

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080223\
 Data File : BP016470.D
 Acq On : 02 Aug 2023 15:49
 Operator : MA/JU
 Sample : 03849-02MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GROVE-SOIL-0731MSD

Quant Time: Aug 02 21:45:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 01:48:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	398473	20.000	ng	-0.02
21) Naphthalene-d8	10.910	136	1691943	20.000	ng	-0.02
39) Acenaphthene-d10	14.728	164	1058246	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	2289737	20.000	ng	0.00
76) Chrysene-d12	21.592	240	1922310	20.000	ng	0.00
86) Perylene-d12	24.186	264	1555352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	3270728	133.909	ng	-0.01
7) Phenol-d6	7.216	99	4106897	122.672	ng	-0.01
23) Nitrobenzene-d5	9.275	82	2704947	89.494	ng	-0.02
42) 2,4,6-Tribromophenol	16.222	330	1829001	117.482	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	6125398	82.985	ng	-0.01
79) Terphenyl-d14	20.039	244	9249359	101.641	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.452	88	375527	39.421	ng	# 67
3) Pyridine	3.864	79	980350	34.429	ng	100
4) n-Nitrosodimethylamine	3.787	42	480928	44.795	ng	99
6) Aniline	7.411	93	1267400	30.649	ng	100
8) 2-Chlorophenol	7.628	128	1309603	51.137	ng	97
9) Benzaldehyde	7.222	77	542906	32.734	ng	99
10) Phenol	7.246	94	1546083	47.554	ng	99
11) bis(2-Chloroethyl)ether	7.505	93	1241834	46.989	ng	98
12) 1,3-Dichlorobenzene	7.958	146	1271765	46.259	ng	98
13) 1,4-Dichlorobenzene	8.111	146	1304927	46.792	ng	99
14) 1,2-Dichlorobenzene	8.428	146	1268142	47.228	ng	99
15) Benzyl Alcohol	8.328	79	1227199	53.654	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.611	45	1428231	47.652	ng	99
17) 2-Methylphenol	8.511	107	1137126	48.531	ng	99
18) Hexachloroethane	9.152	117	473764	47.627	ng	93
19) n-Nitroso-di-n-propyla...	8.899	70	1009430	48.129	ng	97
20) 3+4-Methylphenols	8.846	107	1563430	49.130	ng	99
22) Acetophenone	8.922	105	1979091	46.329	ng	# 99
24) Nitrobenzene	9.316	77	1448824	46.670	ng	97
25) Isophorone	9.828	82	2895806	47.455	ng	98
26) 2-Nitrophenol	10.022	139	654961	48.889	ng	98
27) 2,4-Dimethylphenol	10.057	122	1275290	46.714	ng	99
28) bis(2-Chloroethoxy)met...	10.322	93	1768179	47.305	ng	100
29) 2,4-Dichlorophenol	10.546	162	1317140	51.554	ng	98
30) 1,2,4-Trichlorobenzene	10.757	180	1211120	43.766	ng	98
31) Naphthalene	10.963	128	3889906	43.953	ng	99
32) Benzoic acid	10.152	122	252417	18.533	ng	98
33) 4-Chloroaniline	11.087	127	424604	10.636	ng	99
34) Hexachlorobutadiene	11.199	225	664138	40.537	ng	99
35) Caprolactam	11.910	113	403879m	43.262	ng	
36) 4-Chloro-3-methylphenol	12.181	107	1490275	52.476	ng	99
37) 2-Methylnaphthalene	12.557	142	2756251	42.870	ng	99
38) 1-Methylnaphthalene	12.775	142	2661685	44.158	ng	99
40) 1,2,4,5-Tetrachloroben...	12.904	216	1373612	42.713	ng	98
41) Hexachlorocyclopentadiene	12.863	237	1525340	94.439	ng	98
43) 2,4,6-Trichlorophenol	13.151	196	1041131	50.456	ng	99

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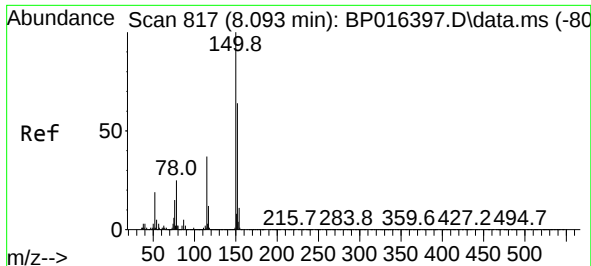
Quant Time: Aug 02 21:45:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072723.M
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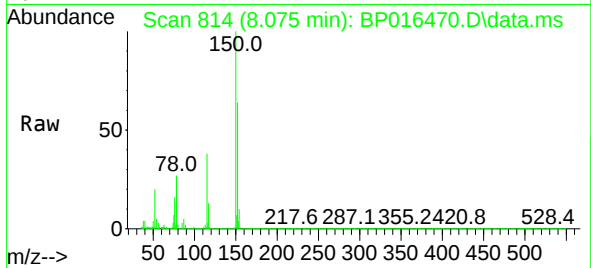
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.222	196	1169467	46.714	ng	97
46) 1,1'-Biphenyl	13.563	154	3678147	45.596	ng	100
47) 2-Chloronaphthalene	13.610	162	2825672	46.430	ng	98
48) 2-Nitroaniline	13.834	65	929921	54.207	ng	100
49) Acenaphthylene	14.457	152	4807633	47.611	ng	99
50) Dimethylphthalate	14.187	163	4041326	49.006	ng	99
51) 2,6-Dinitrotoluene	14.322	165	849718	50.297	ng	93
52) Acenaphthene	14.793	154	2773090	46.182	ng	99
53) 3-Nitroaniline	14.657	138	628909	32.928	ng	94
54) 2,4-Dinitrophenol	14.857	184	461325	60.534	ng	97
55) Dibenzofuran	15.128	168	4474418	45.434	ng	99
56) 4-Nitrophenol	14.940	139	1463516	97.887	ng	96
57) 2,4-Dinitrotoluene	15.104	165	1150798	52.268	ng	97
58) Fluorene	15.775	166	3551093	45.898	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.334	232	979554	47.566	ng	93
60) Diethylphthalate	15.540	149	3805491	46.435	ng	99
61) 4-Chlorophenyl-phenyle...	15.769	204	1729393	44.295	ng	98
62) 4-Nitroaniline	15.828	138	922590	48.673	ng	98
63) Azobenzene	16.063	77	3713425	47.988	ng	96
65) 4,6-Dinitro-2-methylph...	15.851	198	430693	41.199	ng	93
66) n-Nitrosodiphenylamine	15.992	169	3214450	47.635	ng	100
67) 4-Bromophenyl-phenylether	16.669	248	1094171	45.129	ng	94
68) Hexachlorobenzene	16.751	284	1249183	46.201	ng	95
69) Atrazine	16.945	200	1151955	57.401	ng	99
70) Pentachlorophenol	17.116	266	1423977	76.104	ng	95
71) Phenanthrene	17.534	178	5705810	46.929	ng	100
72) Anthracene	17.628	178	5741314	46.961	ng	100
73) Carbazole	17.904	167	5542046	48.351	ng	99
74) Di-n-butylphthalate	18.422	149	6623030	49.944	ng	99
75) Fluoranthene	19.492	202	6539347	45.888	ng	98
77) Benzidine	19.686	184	2189485	65.694	ng	100
78) Pyrene	19.851	202	6730996	52.234	ng	100
80) Butylbenzylphthalate	20.710	149	2936883	58.013	ng	96
81) Benzo(a)anthracene	21.575	228	6225718	48.270	ng	100
82) 3,3'-Dichlorobenzidine	21.504	252	1231846	29.095	ng #	98
83) Chrysene	21.633	228	5678932	46.109	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	4102120	53.971	ng	99
85) Di-n-octyl phthalate	22.451	149	6436411	50.352	ng	99
87) Indeno(1,2,3-cd)pyrene	26.957	276	4381790	41.787	ng	96
88) Benzo(b)fluoranthene	23.380	252	5109561	56.673	ng	99
89) Benzo(k)fluoranthene	23.433	252	4981809	54.332	ng	99
90) Benzo(a)pyrene	24.069	252	4093295	46.873	ng	98
91) Dibenzo(a,h)anthracene	26.986	278	3629124	41.501	ng	98
92) Benzo(g,h,i)perylene	27.821	276	3542657	42.039	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.075 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

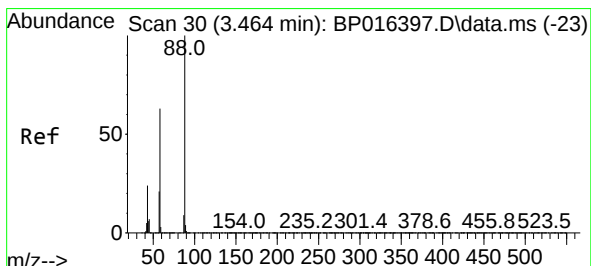
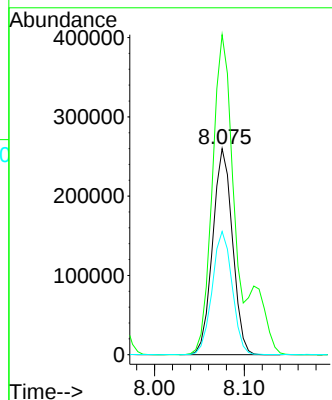
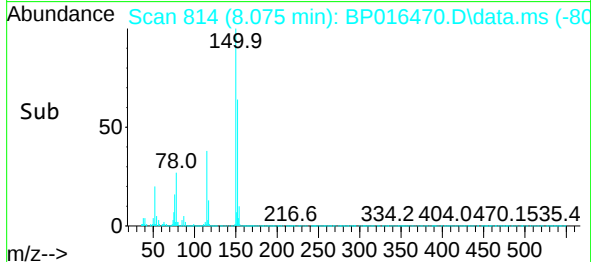
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



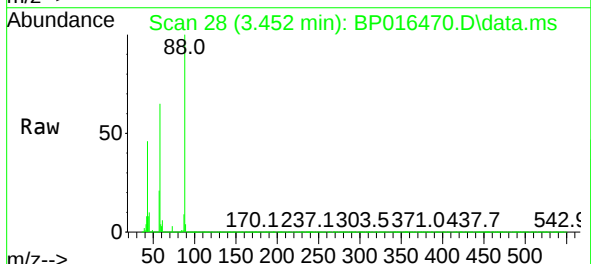
Tgt Ion:152 Resp: 39847
Ion Ratio Lower Upper
152 100
150 155.3 124.9 187.3
115 59.8 46.8 70.2

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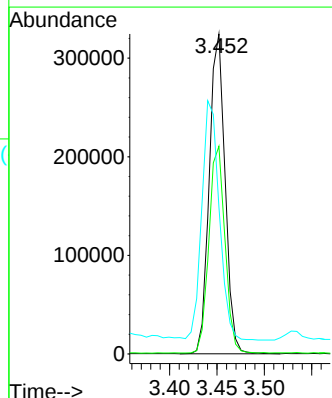
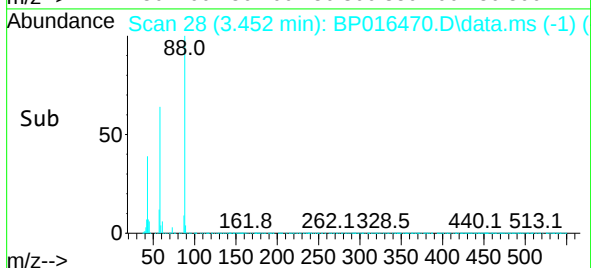
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Supervised By :mohammad ahmed 08/03/2023

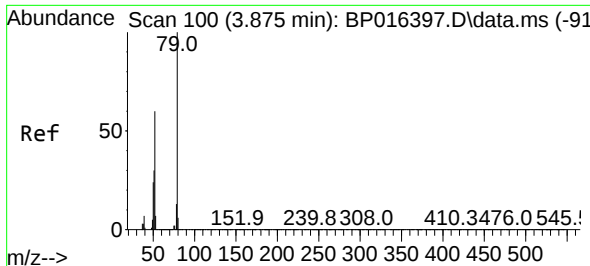


#2
1,4-Dioxane
Concen: 39.421 ng
RT: 3.452 min Scan# 28
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion: 88 Resp: 375527
Ion Ratio Lower Upper
88 100
58 65.6 51.7 77.5
43 82.5 19.2 28.8





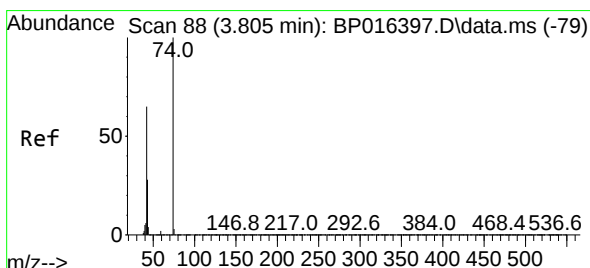
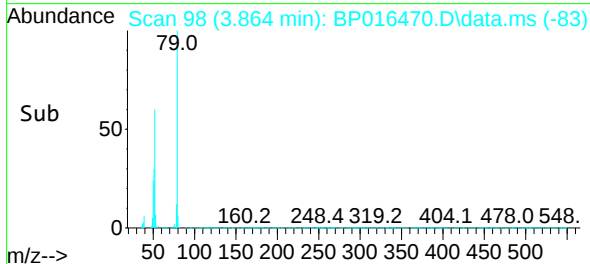
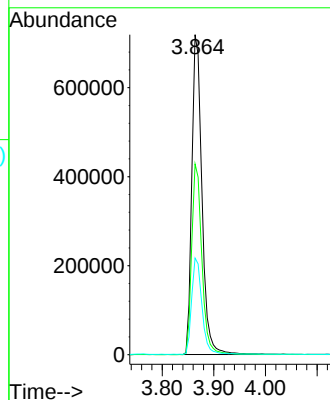
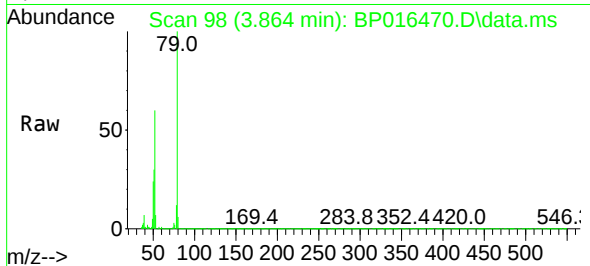
#3
Pyridine
Concen: 34.429 ng
RT: 3.864 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Instrument :
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ClientSampleId :
GROVE-SOIL-0731MSD

Tgt Ion: 79 Resp: 980350
Ion Ratio Lower Upper
79 100
52 59.6 47.9 71.9
51 30.2 24.4 36.6

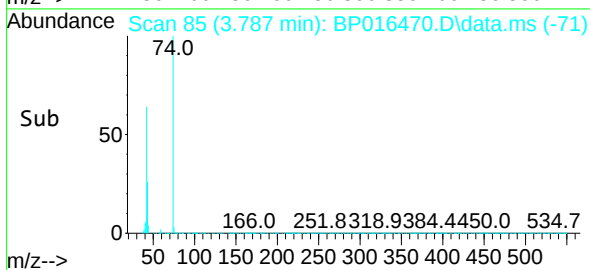
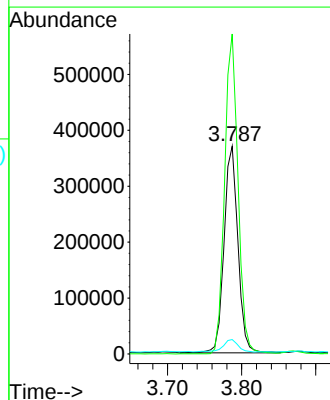
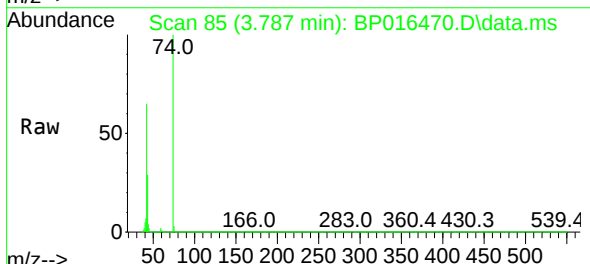
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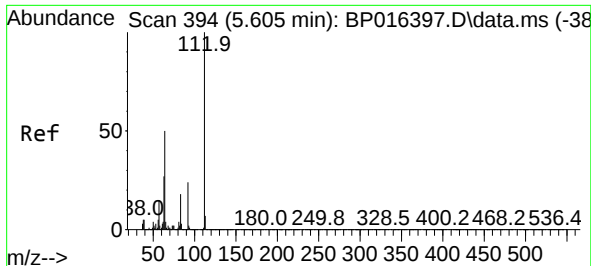
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#4
n-Nitrosodimethylamine
Concen: 44.795 ng
RT: 3.787 min Scan# 85
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

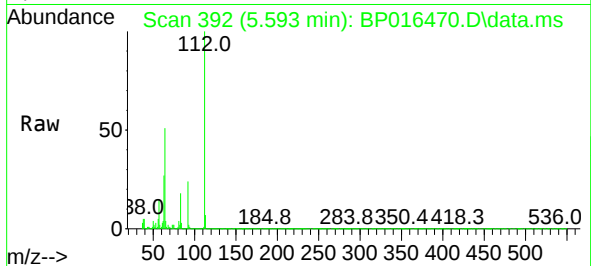
Tgt Ion: 42 Resp: 480928
Ion Ratio Lower Upper
42 100
74 154.1 123.8 185.8
44 6.9 5.5 8.3





#5
2-Fluorophenol
Concen: 133.909 ng
RT: 5.593 min Scan# 394
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

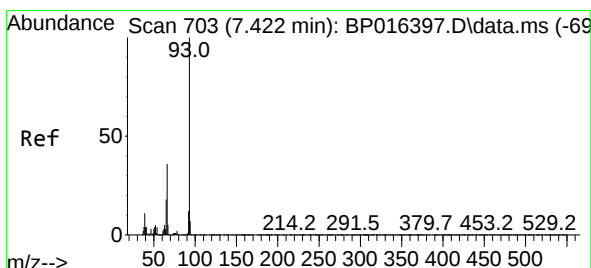
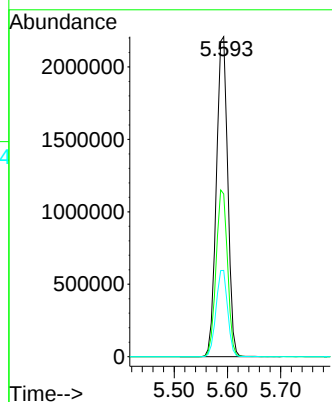
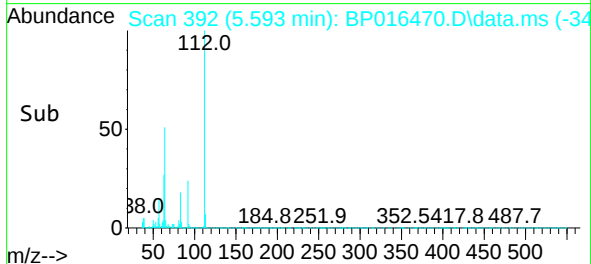
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Tgt Ion: 112 Resp: 3270728
Ion Ratio Lower Upper
112 100
64 50.9 40.0 60.0
63 26.9 21.2 31.8

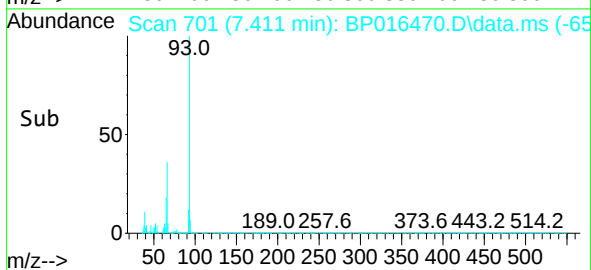
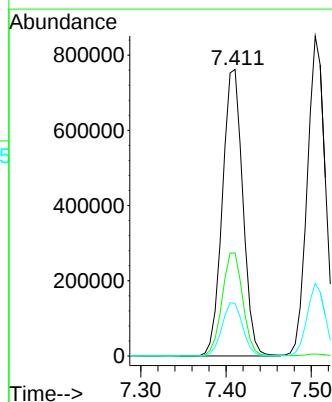
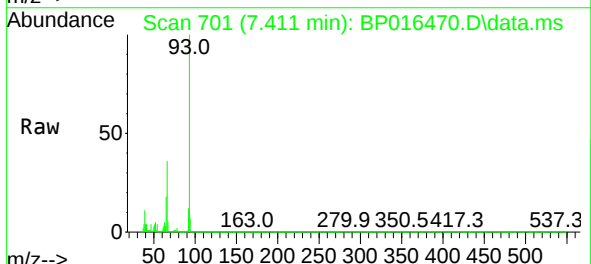
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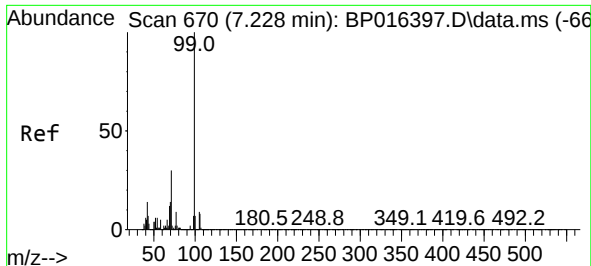
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#6
Aniline
Concen: 30.649 ng
RT: 7.411 min Scan# 701
Delta R.T. -0.012 min
Lab File: BP016470.D
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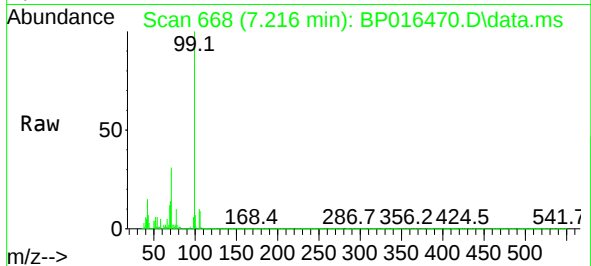
Tgt Ion: 93 Resp: 1267400
Ion Ratio Lower Upper
93 100
66 36.0 28.9 43.3
65 18.3 14.7 22.1





#7
Phenol-d6
Concen: 122.672 ng
RT: 7.216 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

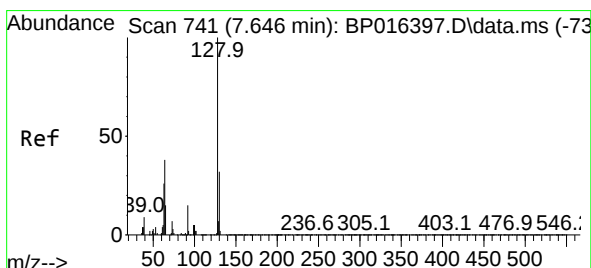
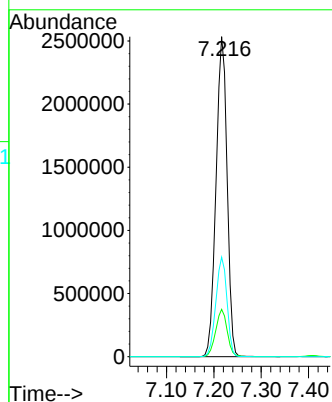
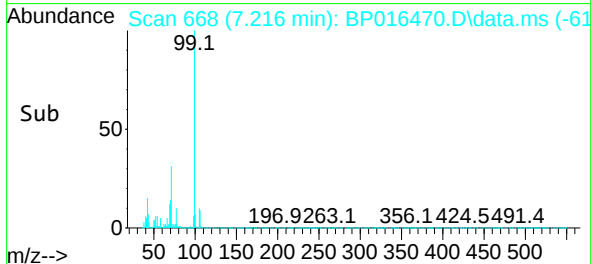
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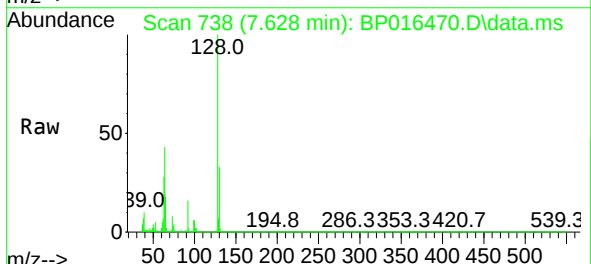
Tgt Ion: 99 Resp: 410689
Ion Ratio Lower Upper
99 100
42 14.8 11.6 17.4
71 31.1 24.3 36.5

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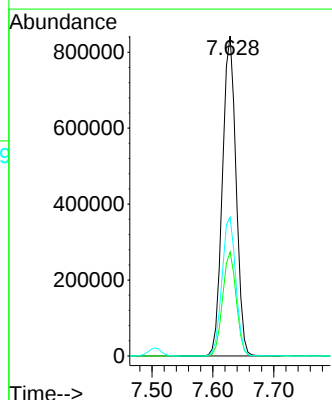
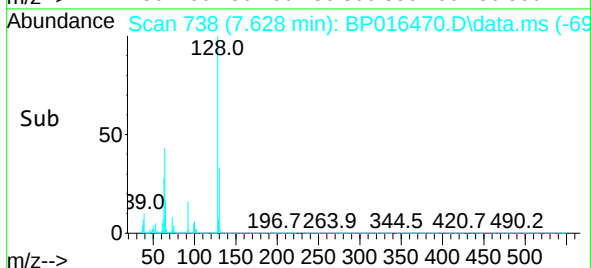
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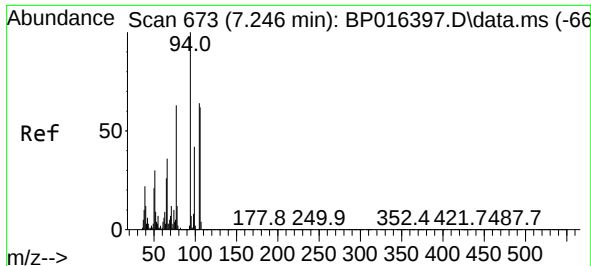


#8
2-Chlorophenol
Concen: 51.137 ng
RT: 7.628 min Scan# 738
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion:128 Resp: 1309603
Ion Ratio Lower Upper
128 100
130 32.5 11.6 51.6
64 43.3 20.6 60.6





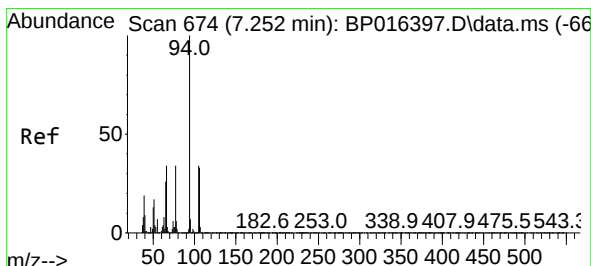
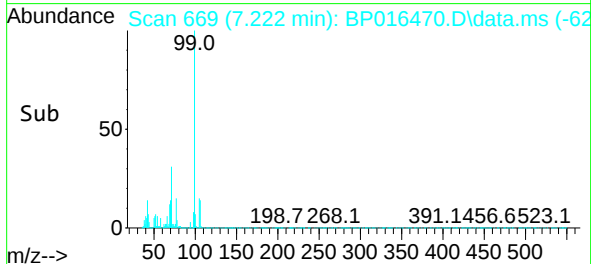
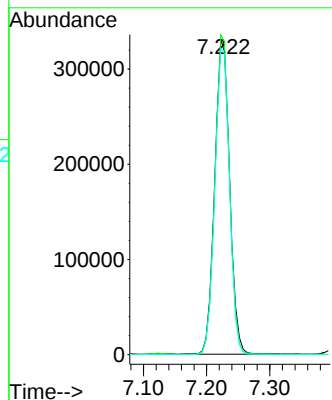
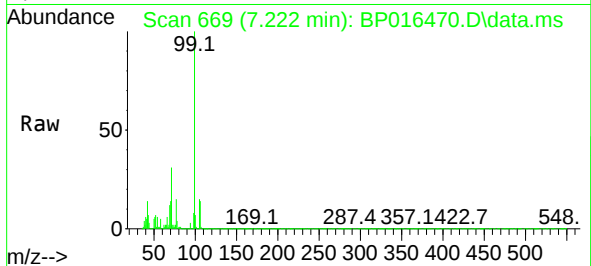
#9
Benzaldehyde
Concen: 32.734 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.024 min
Lab File: BP016470.D
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ClientSampleId :
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Tgt Ion: 77 Resp: 542900
Ion Ratio Lower Upper
77 100
105 101.6 81.9 121.9
106 97.2 78.8 118.8

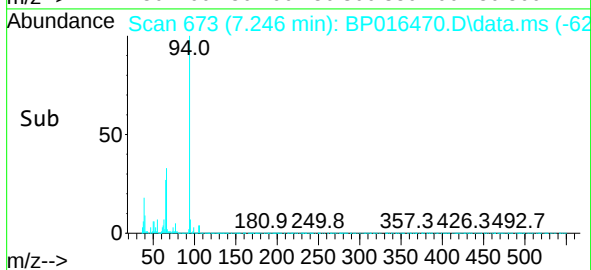
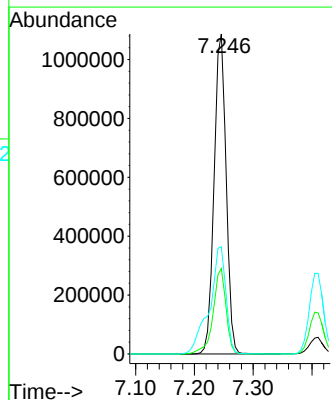
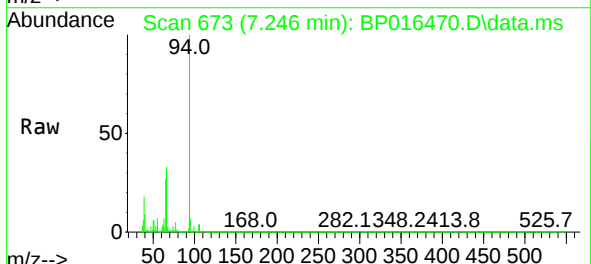
Manual Integrations
APPROVED

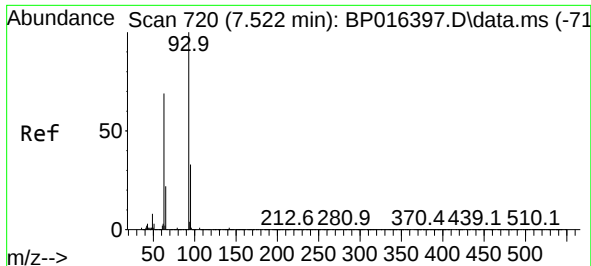
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#10
Phenol
Concen: 47.554 ng
RT: 7.246 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

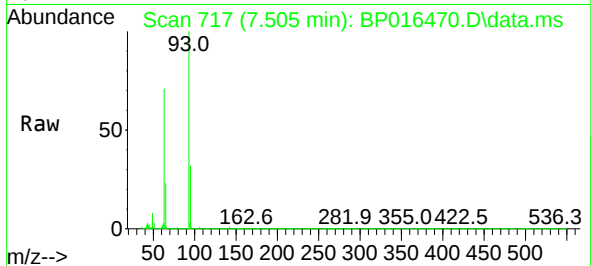
Tgt Ion: 94 Resp: 1546083
Ion Ratio Lower Upper
94 100
65 26.7 5.9 45.9
66 33.5 14.3 54.3





#11
bis(2-Chloroethyl)ether
Concen: 46.989 ng
RT: 7.505 min Scan# 717
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

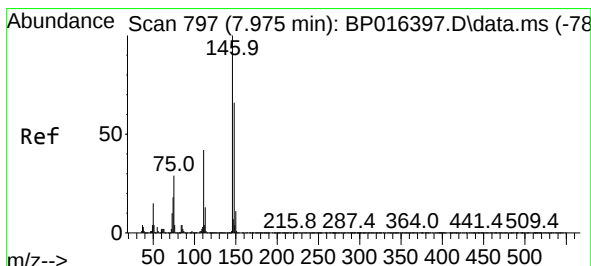
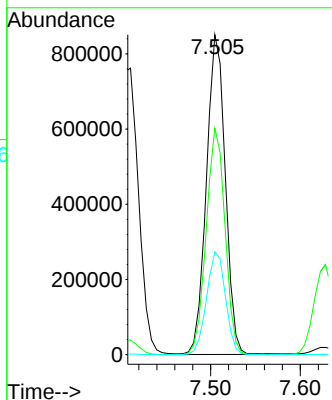
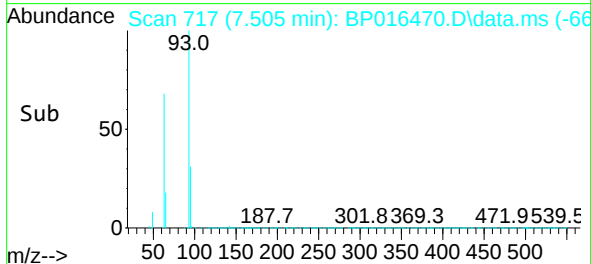
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion: 93 Resp: 1241834
Ion Ratio Lower Upper
93 100
63 70.8 49.4 89.4
95 32.1 12.9 52.9

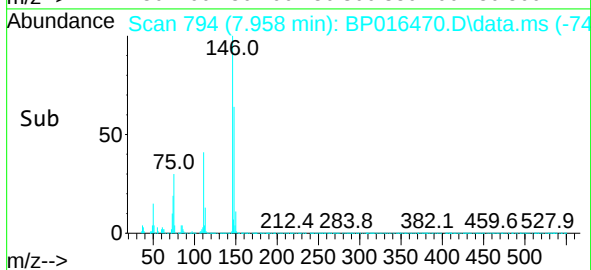
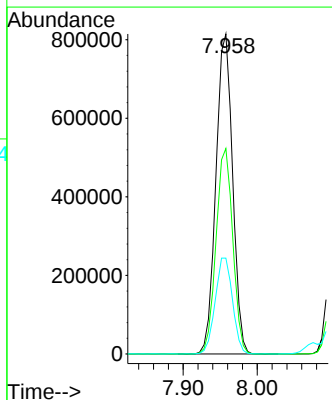
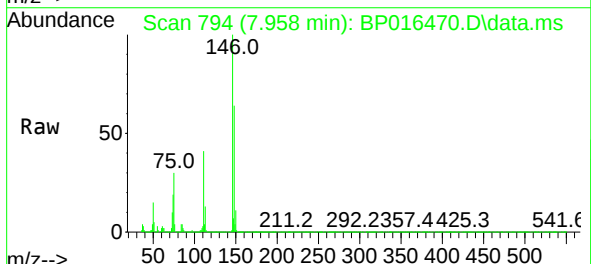
Manual Integrations
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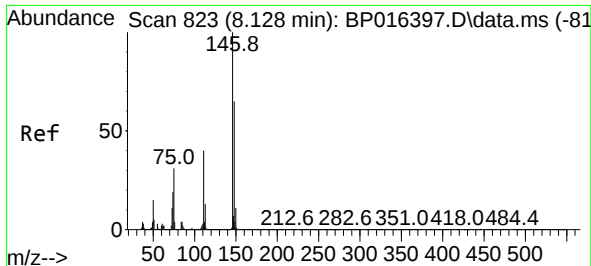
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#12
1,3-Dichlorobenzene
Concen: 46.259 ng
RT: 7.958 min Scan# 794
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Tgt Ion:146 Resp: 1271765
Ion Ratio Lower Upper
146 100
148 64.2 53.0 79.4
75 30.0 23.4 35.2





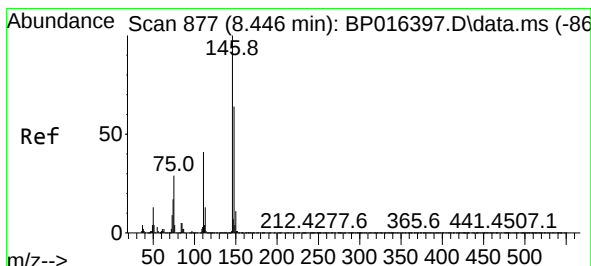
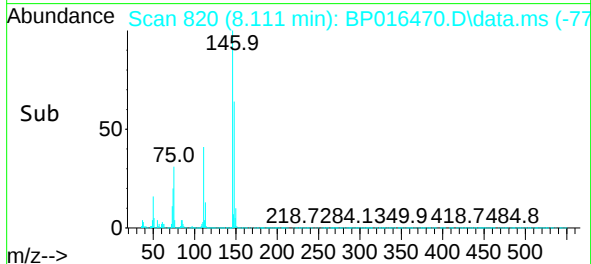
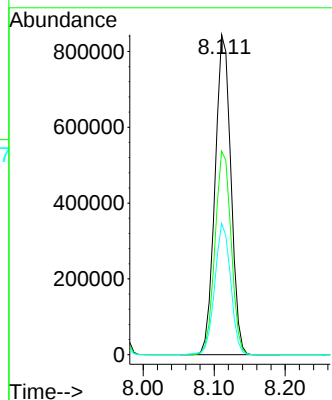
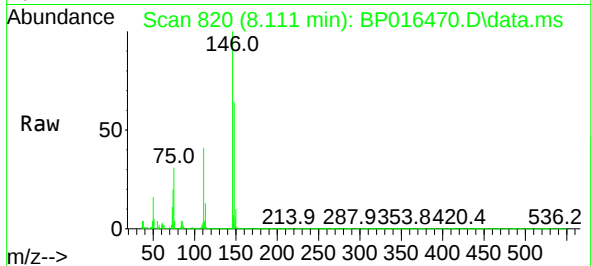
#13
1,4-Dichlorobenzene
Concen: 46.792 ng
RT: 8.111 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD

Tgt Ion:146 Resp: 130492
Ion Ratio Lower Upper
146 100
148 63.6 51.7 77.5
111 41.0 32.0 48.0

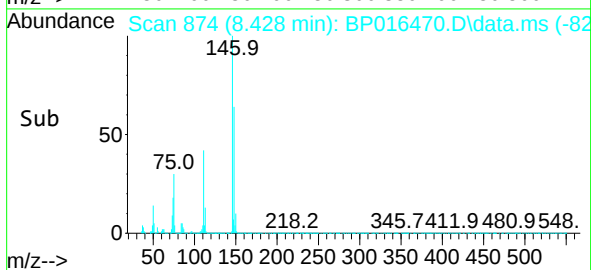
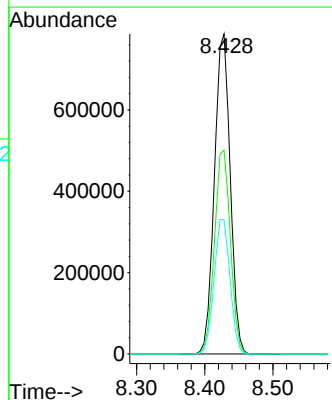
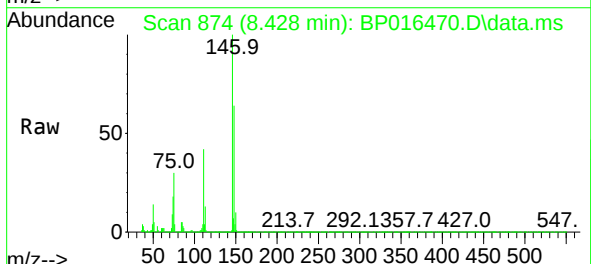
Manual Integrations
APPROVED

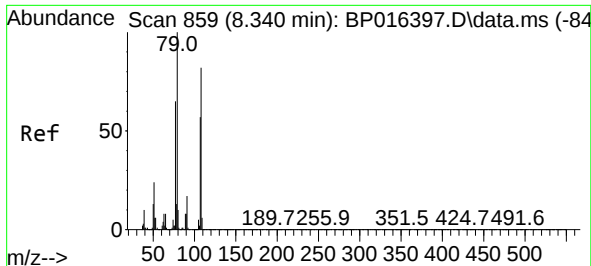
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#14
1,2-Dichlorobenzene
Concen: 47.228 ng
RT: 8.428 min Scan# 874
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

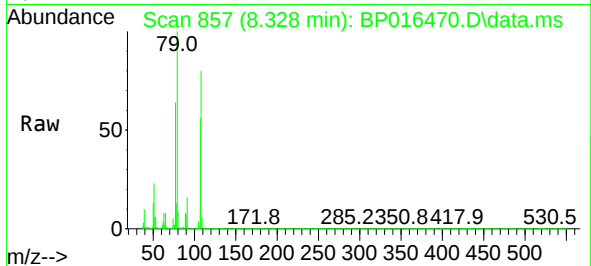
Tgt Ion:146 Resp: 1268142
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.6
111 41.9 32.6 49.0





#15
Benzyl Alcohol
Concen: 53.654 ng
RT: 8.328 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

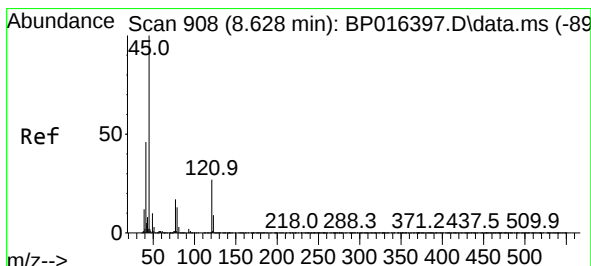
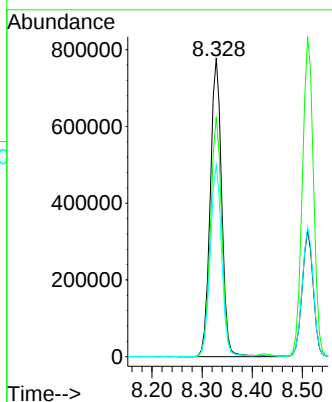
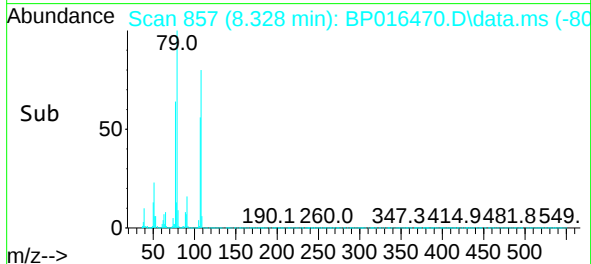
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



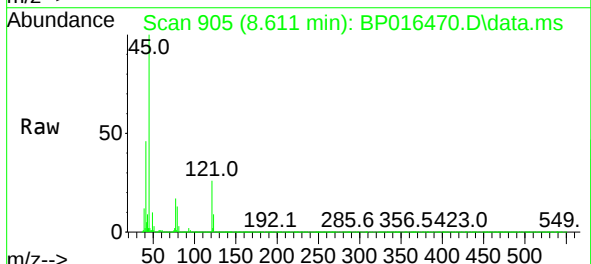
Tgt Ion: 79 Resp: 1227199
Ion Ratio Lower Upper
79 100
108 80.3 65.4 98.2
77 64.2 51.8 77.8

Manual Integrations
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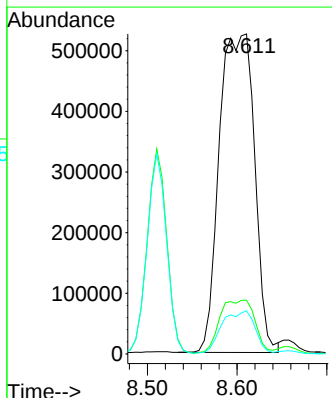
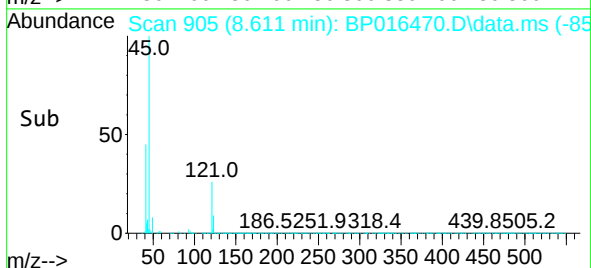
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

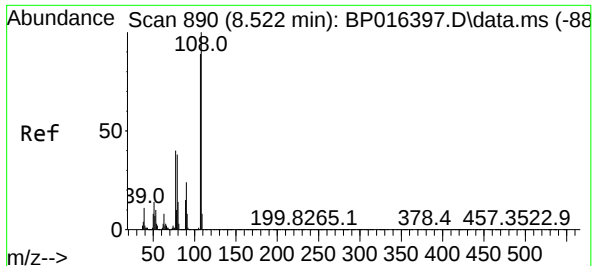


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.652 ng
RT: 8.611 min Scan# 905
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



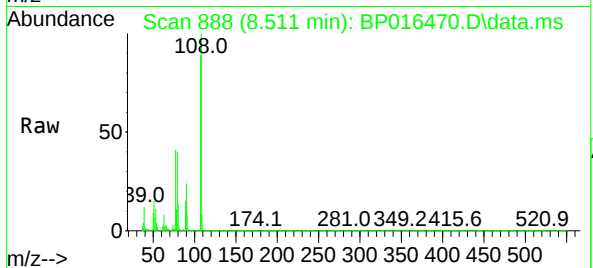
Tgt Ion: 45 Resp: 1428231
Ion Ratio Lower Upper
45 100
77 16.8 0.0 37.3
79 13.5 0.0 33.3





#17
2-Methylphenol
Concen: 48.531 ng
RT: 8.511 min Scan# 811
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD

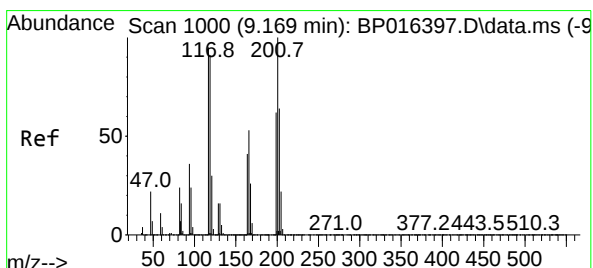
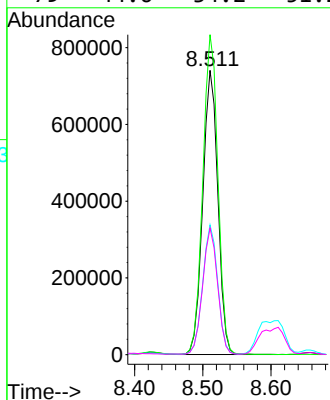
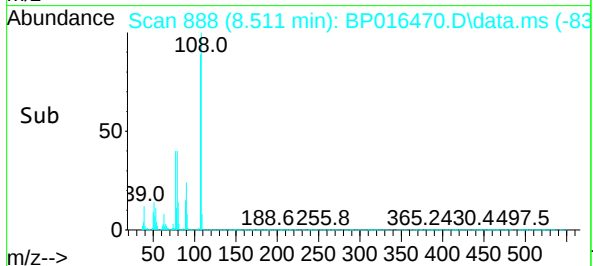


Tgt Ion:107 Resp: 1137120

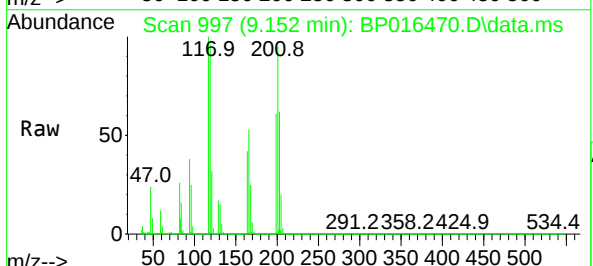
Ion	Ratio	Lower	Upper
107	100		
108	112.6	89.6	134.4
77	45.6	35.6	53.4
79	44.6	34.2	51.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

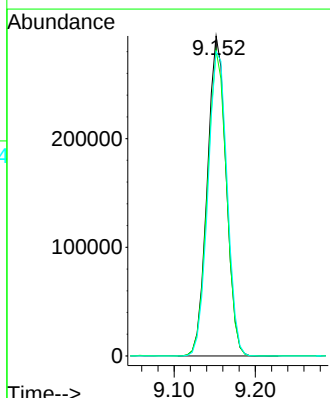
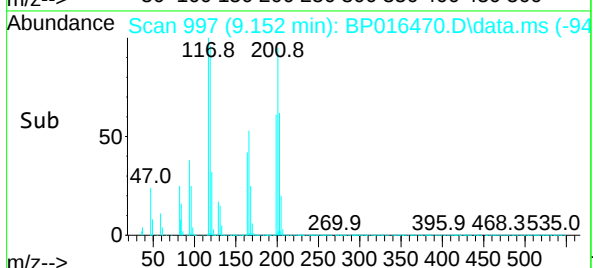


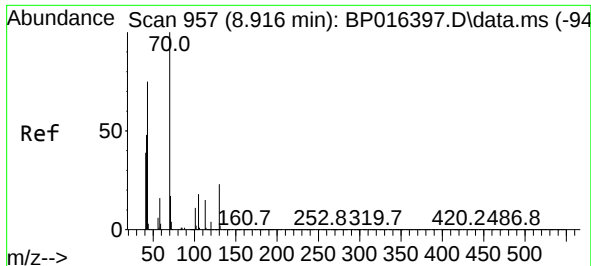
#18
Hexachloroethane
Concen: 47.627 ng
RT: 9.152 min Scan# 997
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion:117 Resp: 473764

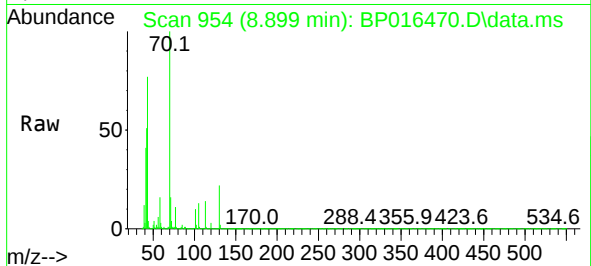
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
201	95.1	86.2	129.4





#19
n-Nitroso-di-n-propylamine
Concen: 48.129 ng
RT: 8.899 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

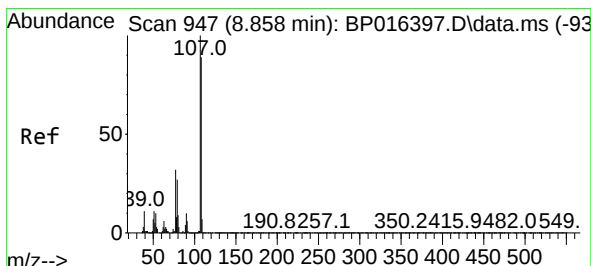
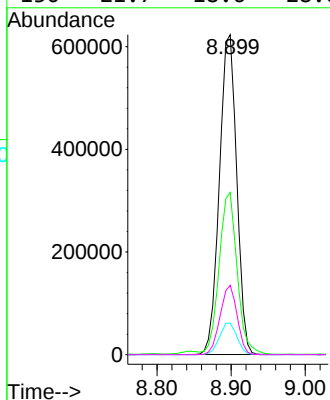
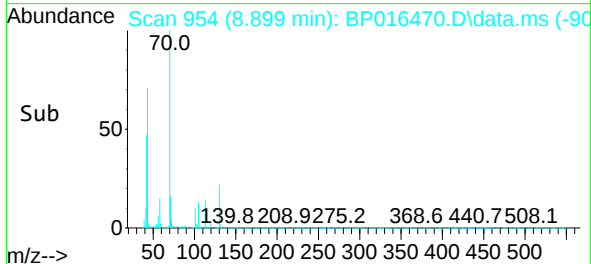
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



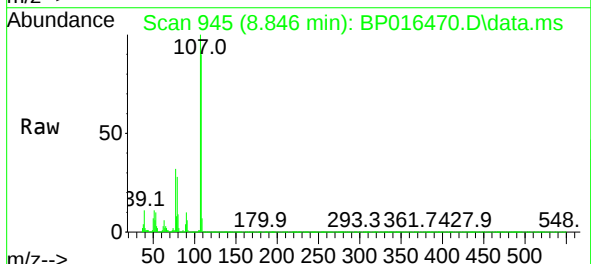
Tgt Ion: 70 Resp: 1009430
Ion Ratio Lower Upper
70 100
42 50.7 39.3 58.9
101 9.9 8.6 12.8
130 21.7 18.6 28.0

Manual Integrations
APPROVED

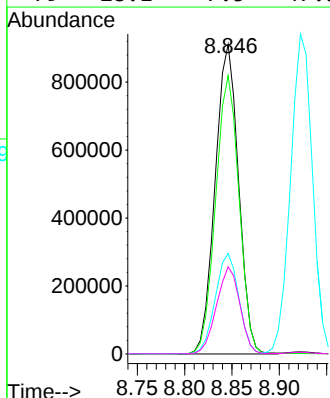
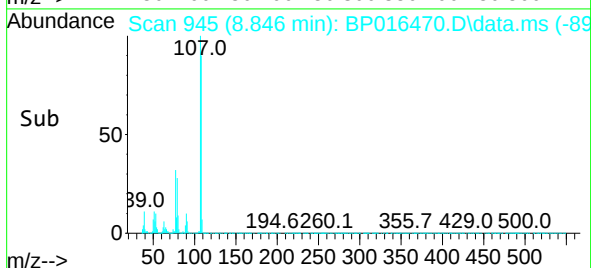
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

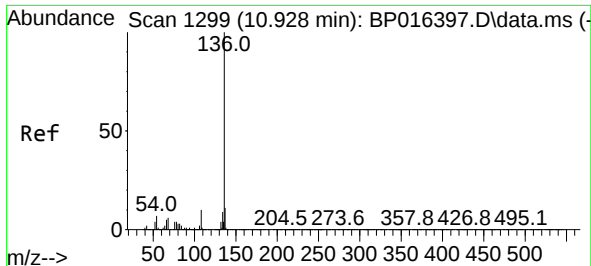


#20
3+4-Methylphenols
Concen: 49.130 ng
RT: 8.846 min Scan# 945
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



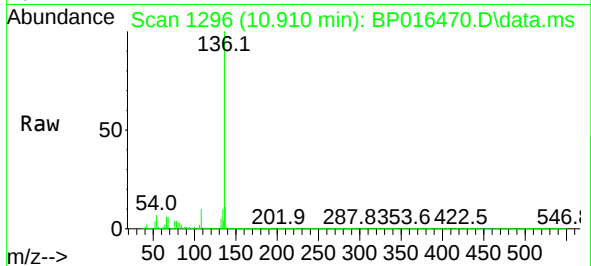
Tgt Ion:107 Resp: 1563430
Ion Ratio Lower Upper
107 100
108 89.9 69.1 109.1
77 32.5 12.0 52.0
79 28.1 7.5 47.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.910 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

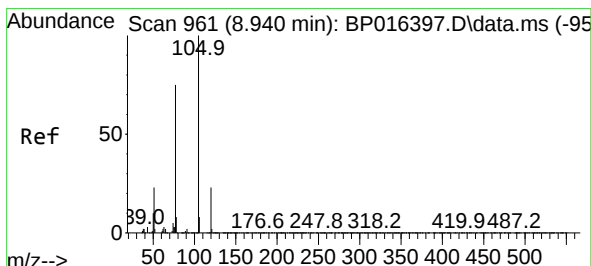
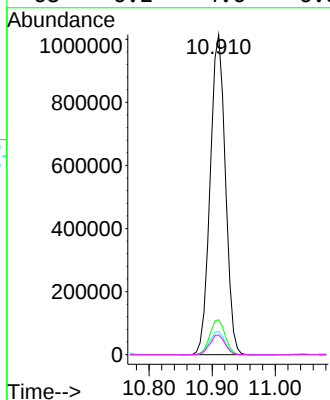
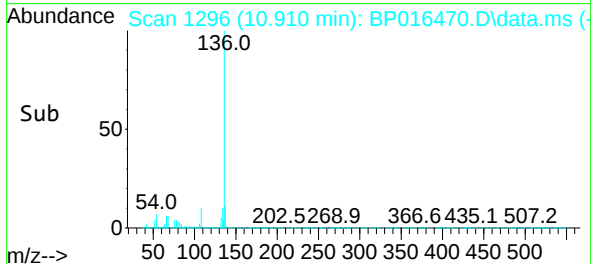
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



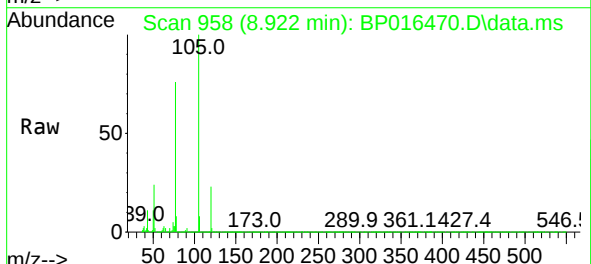
Tgt Ion:136 Resp: 169194
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.3 5.6 8.4
68 6.2 4.6 6.8

Manual Integrations
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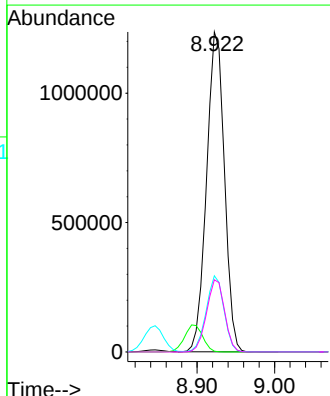
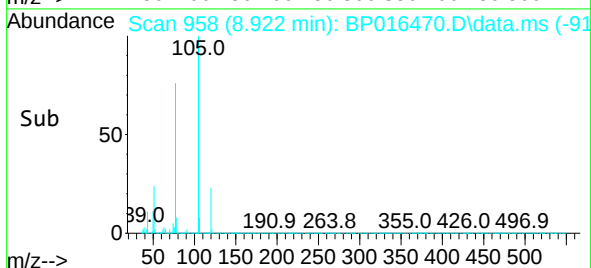
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

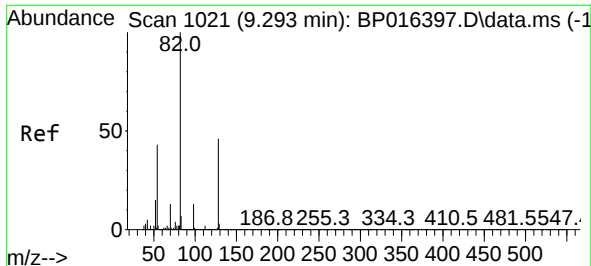


#22
Acetophenone
Concen: 46.329 ng
RT: 8.922 min Scan# 958
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



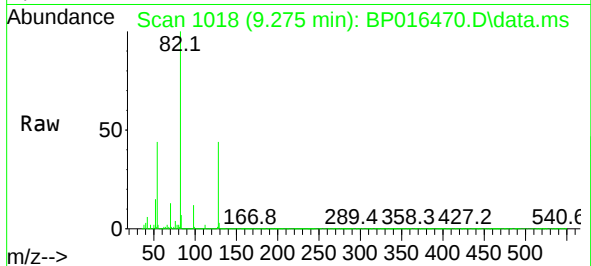
Tgt Ion:105 Resp: 1979091
Ion Ratio Lower Upper
105 100
71 0.3 0.2 0.2#
51 23.8 18.3 27.5
120 22.5 18.2 27.2





#23
Nitrobenzene-d5
Concen: 89.494 ng
RT: 9.275 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

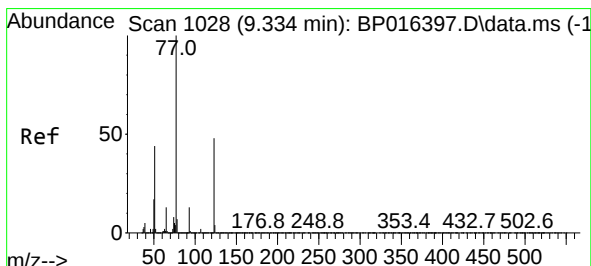
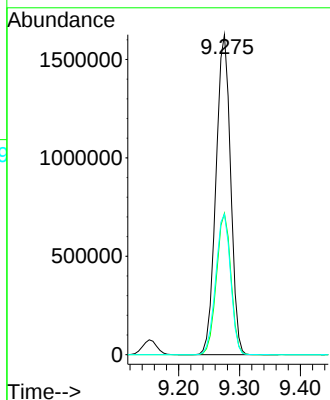
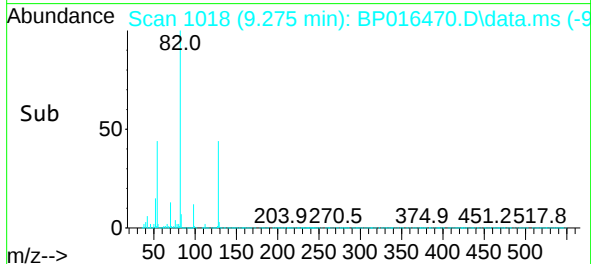
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



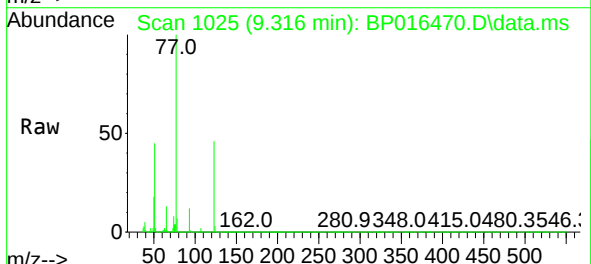
Tgt Ion: 82 Resp: 270494
Ion Ratio Lower Upper
82 100
128 44.2 36.6 55.0
54 43.9 34.5 51.7

Manual Integrations
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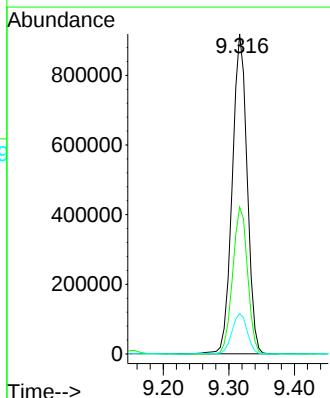
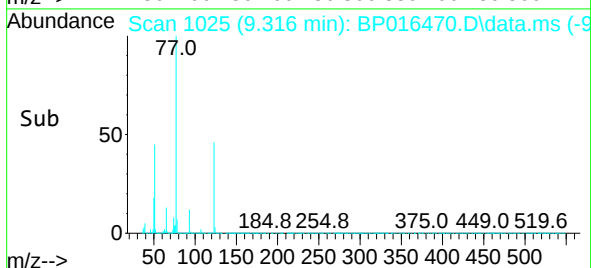
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

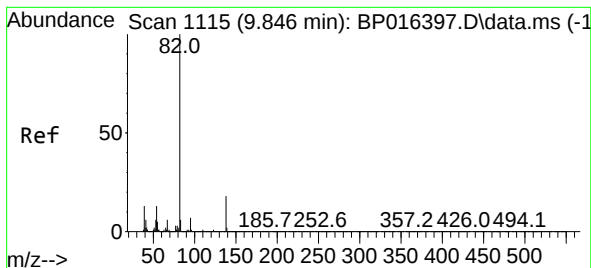


#24
Nitrobenzene
Concen: 46.670 ng
RT: 9.316 min Scan# 1025
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion: 77 Resp: 1448824
Ion Ratio Lower Upper
77 100
123 45.9 38.6 58.0
65 12.7 10.5 15.7





#25

Isophorone

Concen: 47.455 ng

RT: 9.828 min Scan# 1112

Delta R.T. -0.018 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion: 82 Resp: 2895800

Ion Ratio Lower Upper

82 100

95 6.8 5.7 8.5

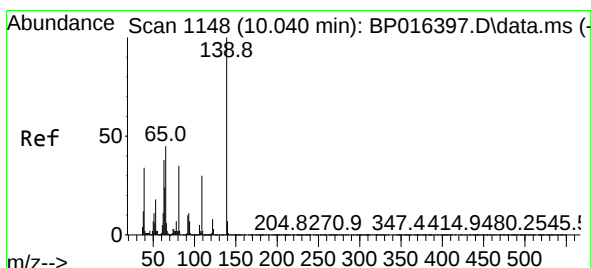
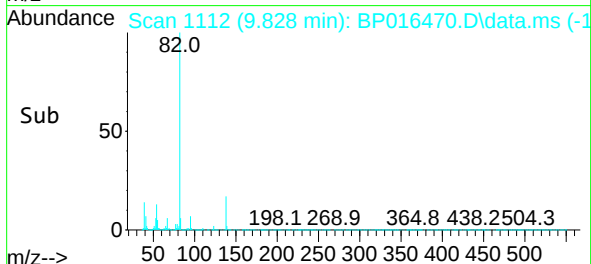
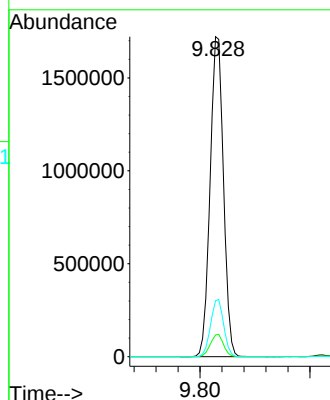
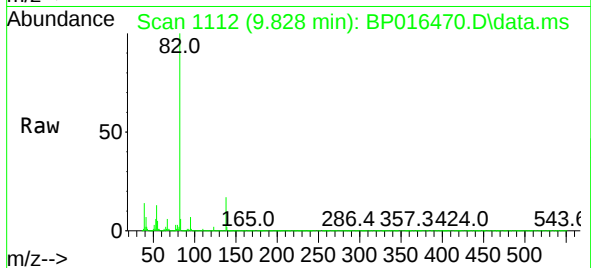
138 17.5 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#26

2-Nitrophenol

Concen: 48.889 ng

RT: 10.022 min Scan# 1145

Delta R.T. -0.018 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

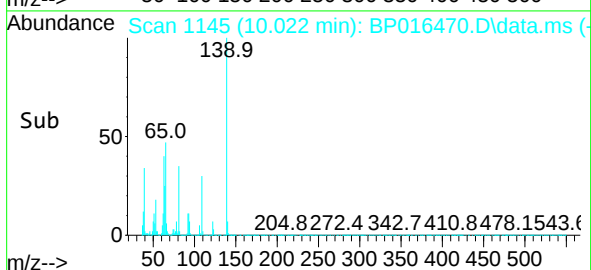
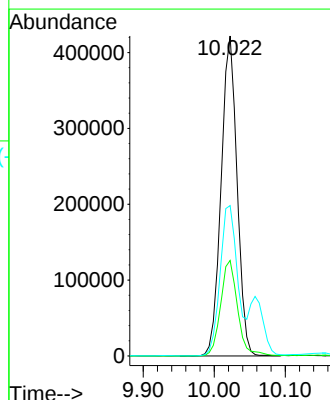
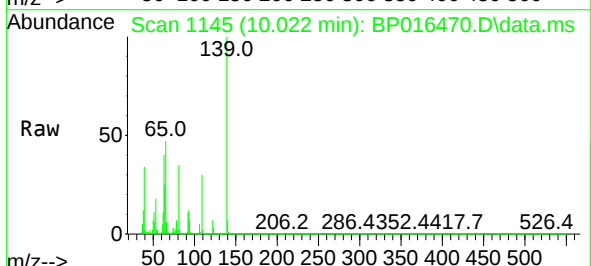
Tgt Ion:139 Resp: 654961

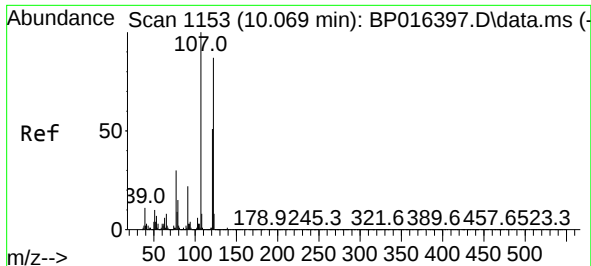
Ion Ratio Lower Upper

139 100

109 29.9 24.2 36.4

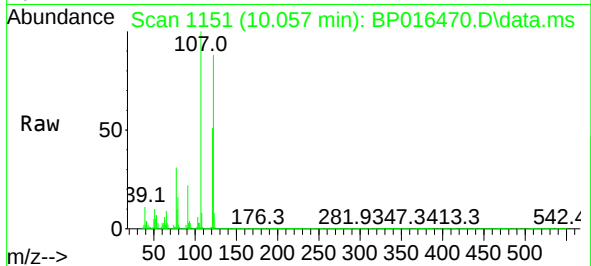
65 47.0 35.8 53.6





#27
2,4-Dimethylphenol
Concen: 46.714 ng
RT: 10.057 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

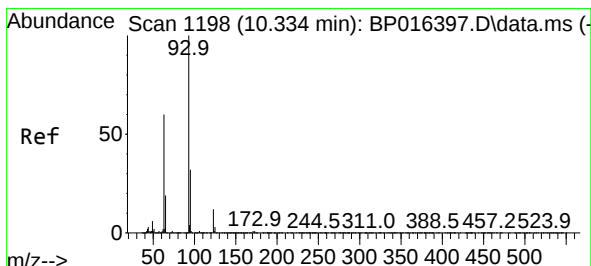
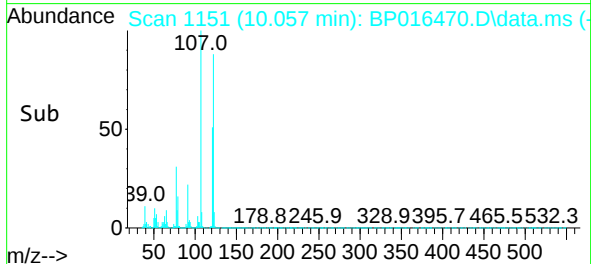
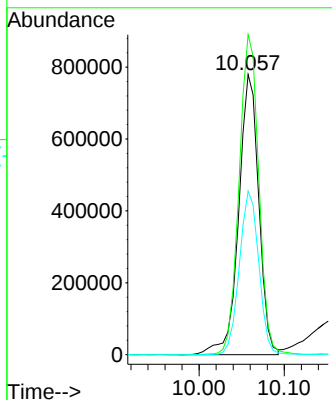
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:122 Resp: 1275290
Ion Ratio Lower Upper
122 100
107 114.2 91.9 137.9
121 58.5 47.2 70.8

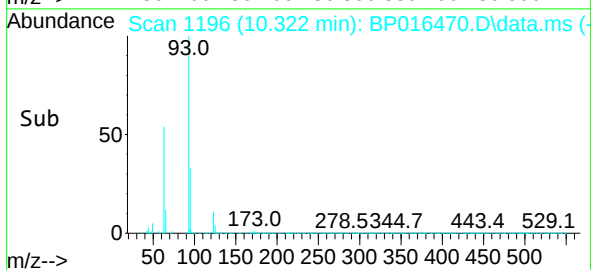
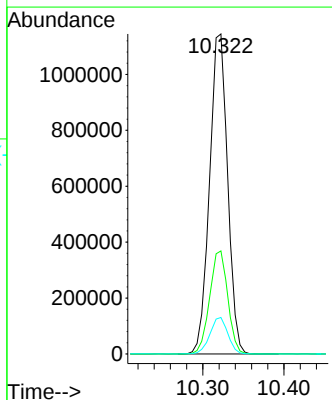
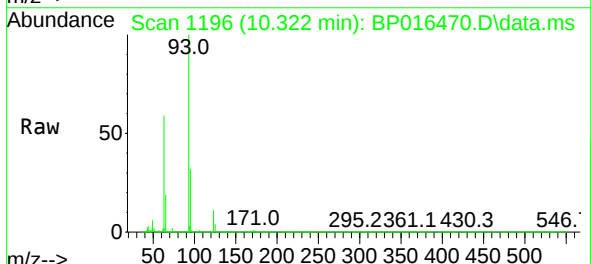
Manual Integrations
APPROVED

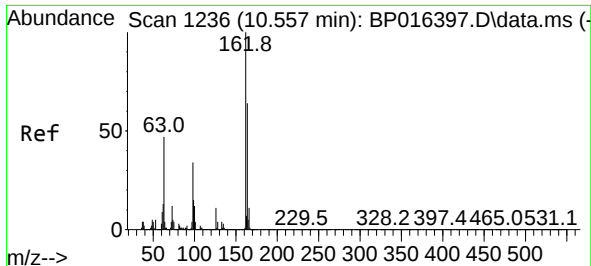
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#28
bis(2-Chloroethoxy)methane
Concen: 47.305 ng
RT: 10.322 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

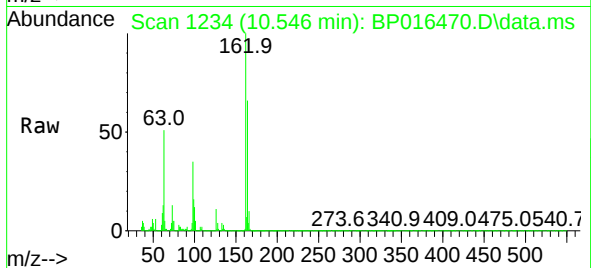
Tgt Ion: 93 Resp: 1768179
Ion Ratio Lower Upper
93 100
95 32.2 25.8 38.8
123 11.4 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 51.554 ng
RT: 10.546 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

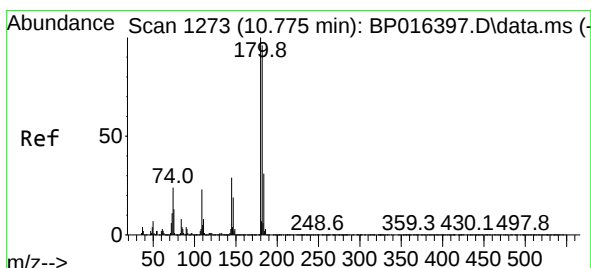
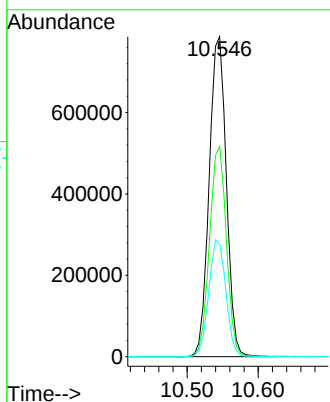
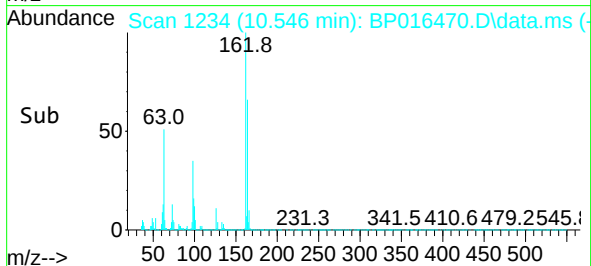
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



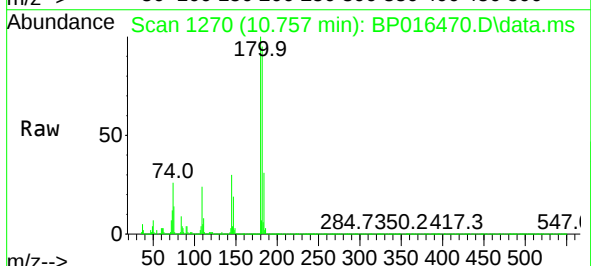
Tgt Ion:162 Resp: 1317140
Ion Ratio Lower Upper
162 100
164 65.7 44.2 84.2
98 35.3 13.7 53.7

Manual Integrations
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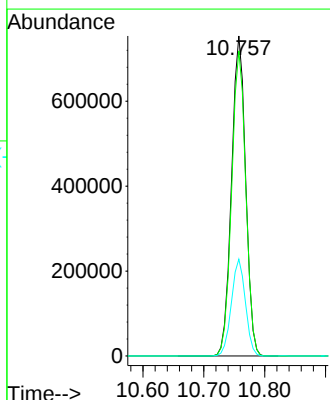
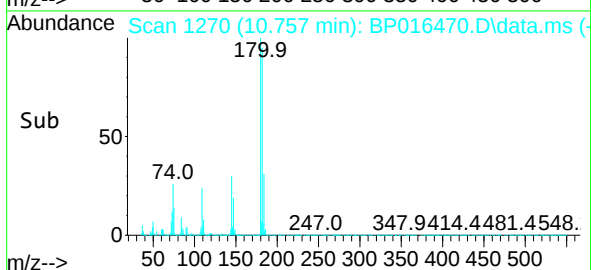
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

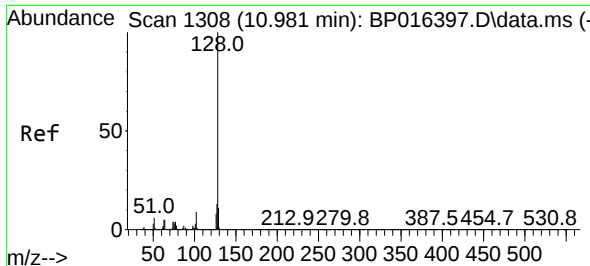


#30
1,2,4-Trichlorobenzene
Concen: 43.766 ng
RT: 10.757 min Scan# 1270
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



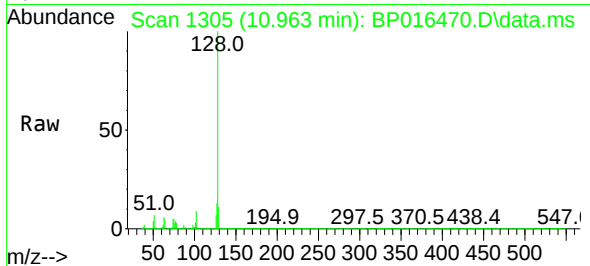
Tgt Ion:180 Resp: 1211120
Ion Ratio Lower Upper
180 100
182 95.4 77.1 115.7
145 30.3 22.9 34.3





#31
Naphthalene
Concen: 43.953 ng
RT: 10.963 min Scan# 1167
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

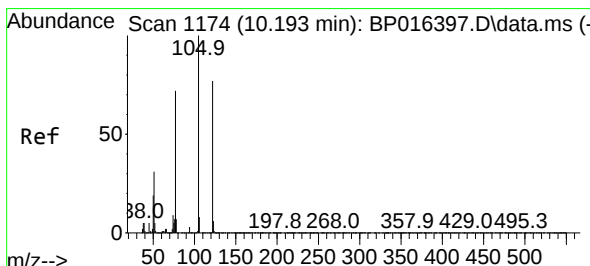
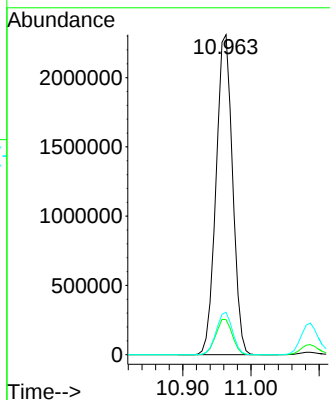
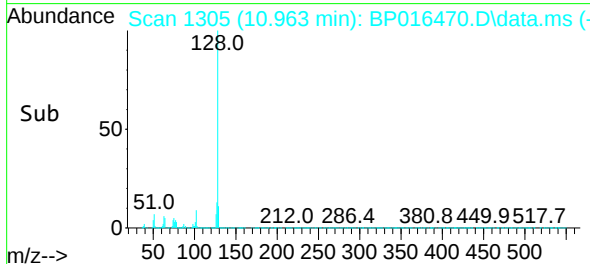
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



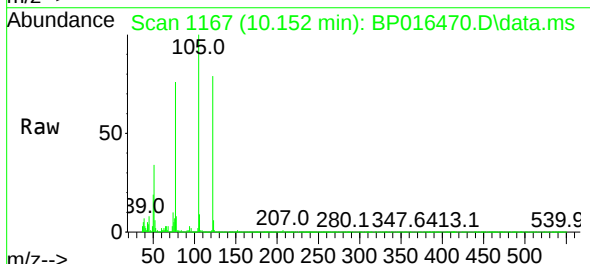
Tgt Ion:128 Resp: 3889900
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.2 10.4 15.6

Manual Integrations
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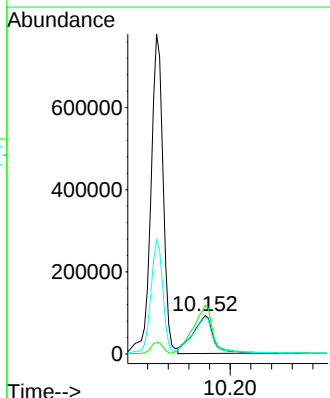
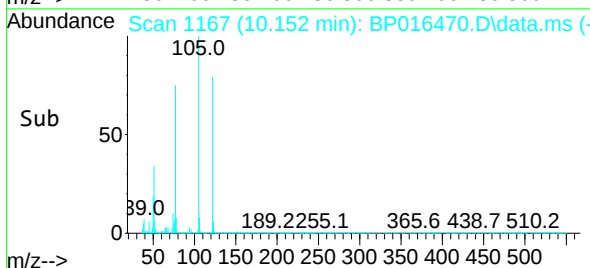
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

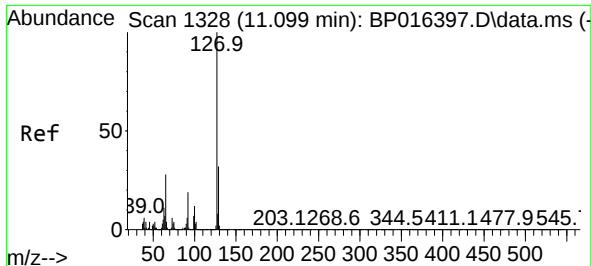


#32
Benzoic acid
Concen: 18.533 ng
RT: 10.152 min Scan# 1167
Delta R.T. -0.041 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



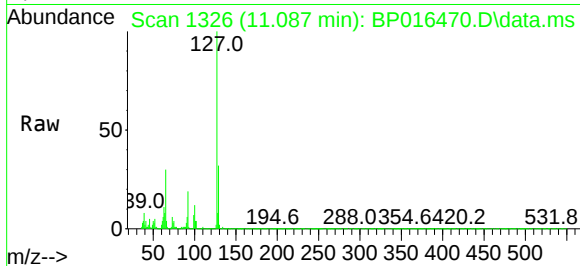
Tgt Ion:122 Resp: 252417
Ion Ratio Lower Upper
122 100
105 126.6 105.2 145.2
77 96.0 72.2 112.2





#33
4-Chloroaniline
Concen: 10.636 ng
RT: 11.087 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

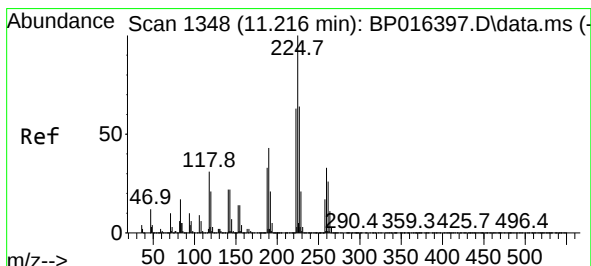
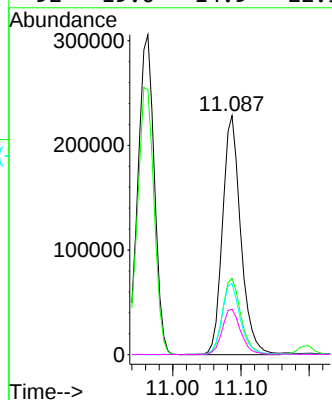
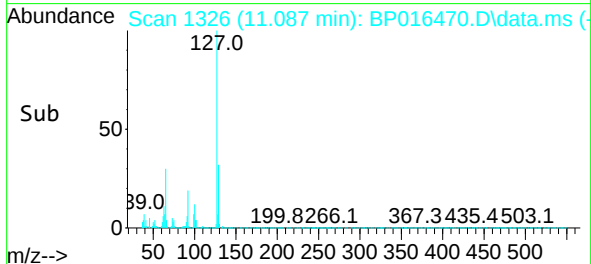
Instrument :
BNA_P
ClientSampleId :
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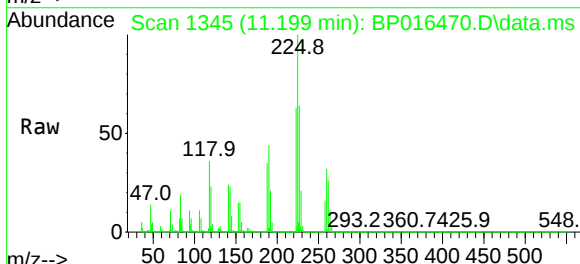
Tgt Ion:127 Resp: 424604
Ion Ratio Lower Upper
127 100
129 31.9 25.8 38.8
65 29.8 22.7 34.1
92 19.0 14.9 22.3

Manual Integrations
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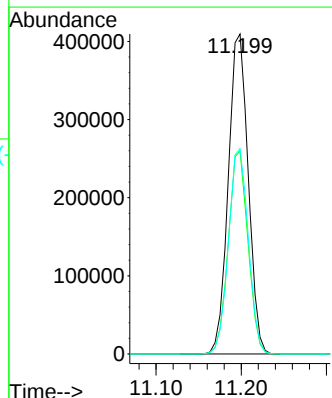
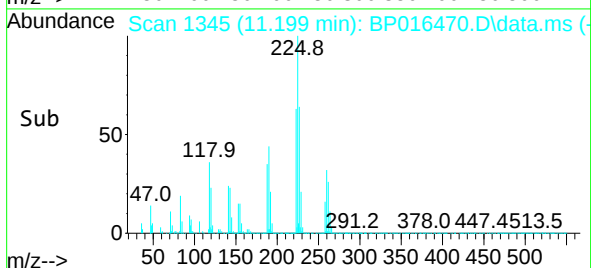
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

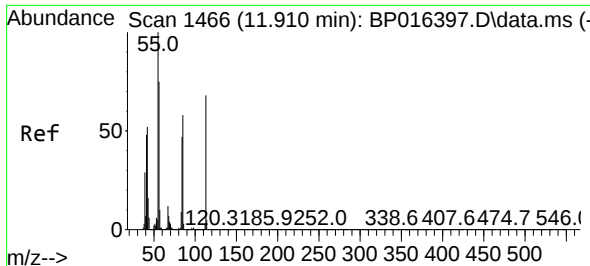


#34
Hexachlorobutadiene
Concen: 40.537 ng
RT: 11.199 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



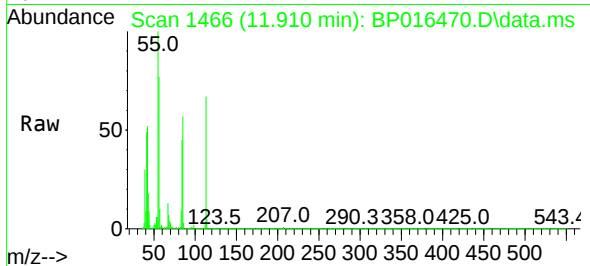
Tgt Ion:225 Resp: 664138
Ion Ratio Lower Upper
225 100
223 63.4 50.2 75.4
227 64.2 51.0 76.6





#35
Caprolactam
Concen: 43.262 ng/ml
RT: 11.910 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

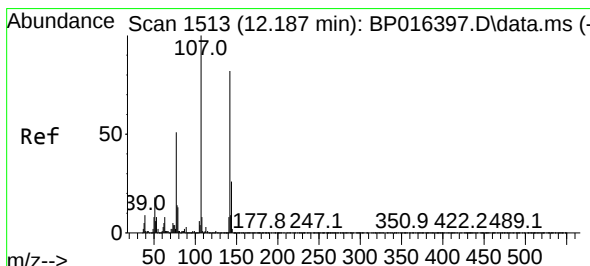
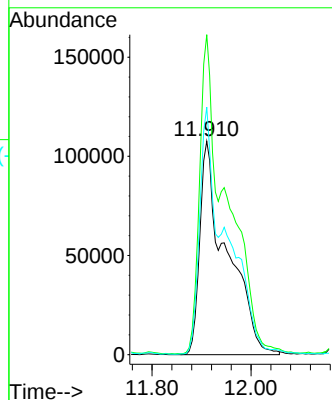
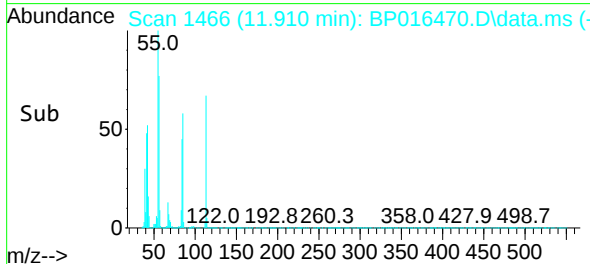
Instrument :
BNA_P
Client Sample Id :
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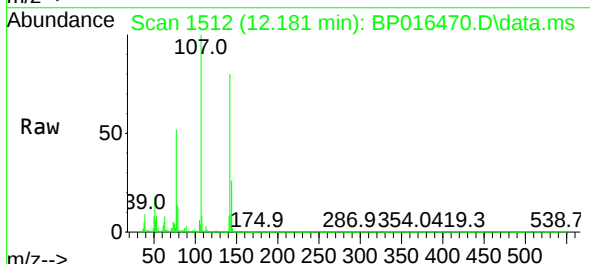
Tgt Ion: 113 Resp: 403879
Ion Ratio Lower Upper
113 100
55 149.9 128.0 168.0
56 116.0 91.3 131.3

Manual Integrations
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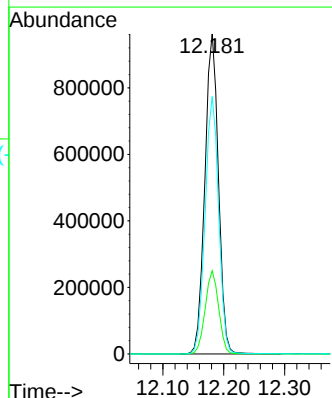
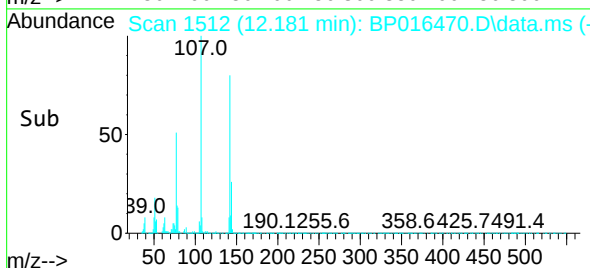
Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023

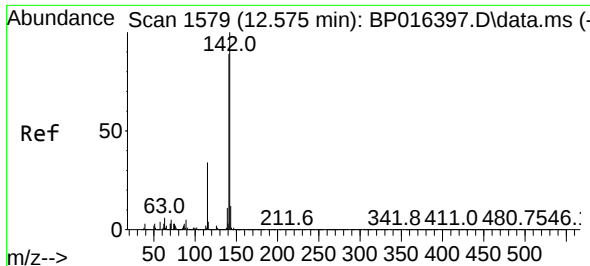


#36
4-Chloro-3-methylphenol
Concen: 52.476 ng/ml
RT: 12.181 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



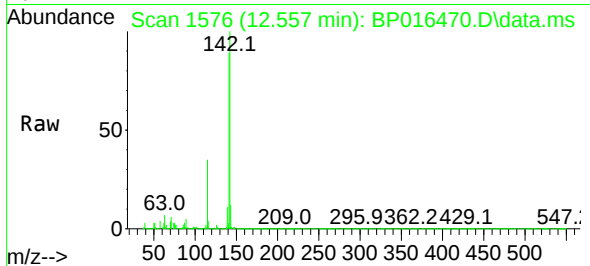
Tgt Ion: 107 Resp: 1490275
Ion Ratio Lower Upper
107 100
144 26.0 21.0 31.6
142 80.4 65.6 98.4





#37
2-Methylnaphthalene
Concen: 42.870 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

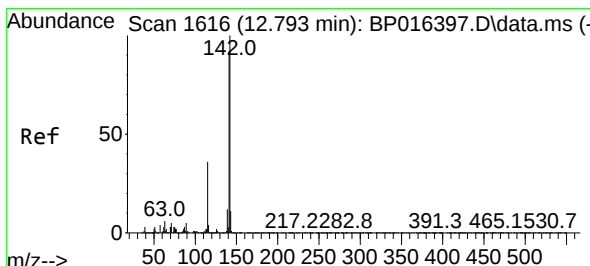
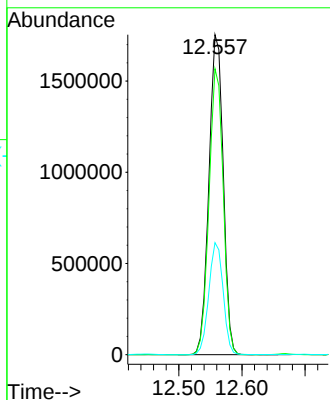
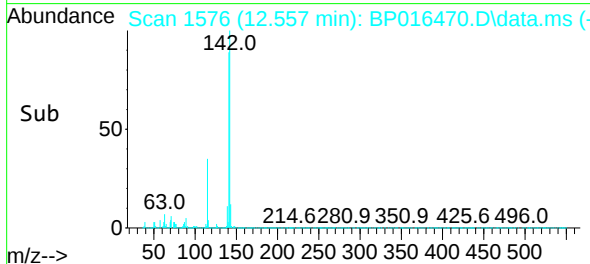
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



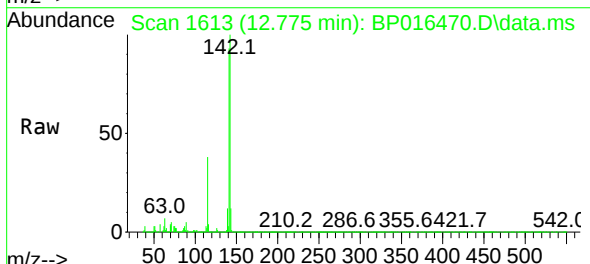
Tgt Ion:142 Resp: 275625
Ion Ratio Lower Upper
142 100
141 89.3 71.4 107.2
115 35.0 27.0 40.4

Manual Integrations
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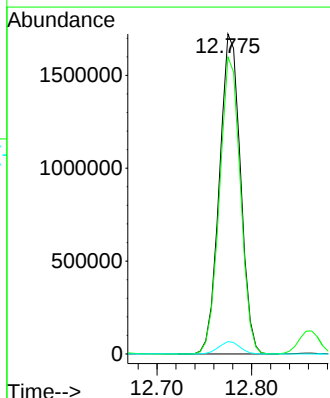
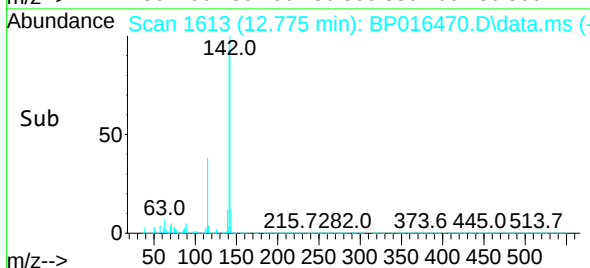
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

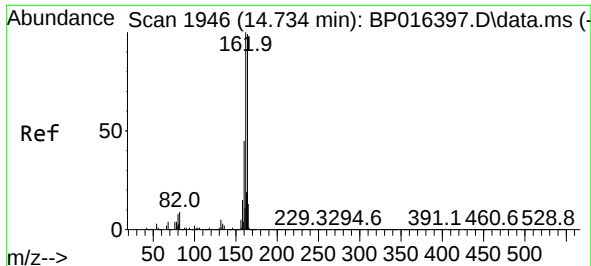


#38
1-Methylnaphthalene
Concen: 44.158 ng
RT: 12.775 min Scan# 1613
Delta R.T. -0.018 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



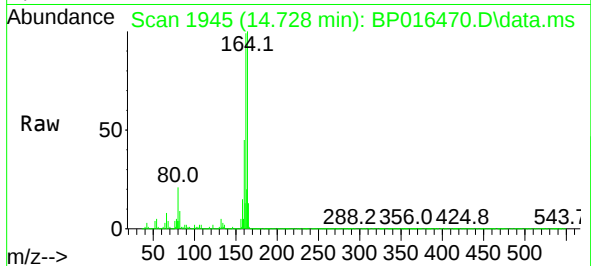
Tgt Ion:142 Resp: 2661685
Ion Ratio Lower Upper
142 100
141 92.8 73.8 110.6
116 3.9 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

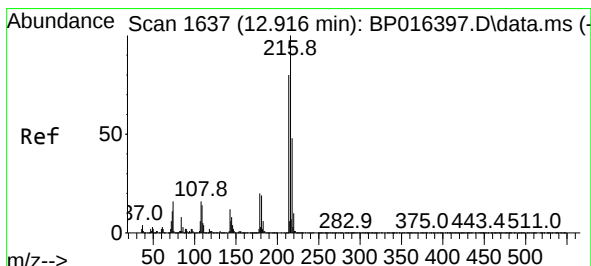
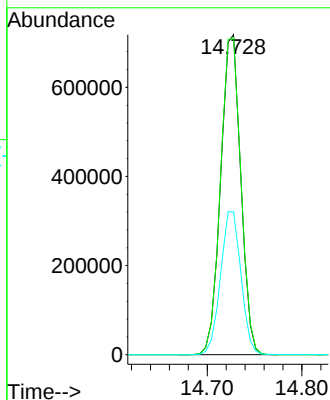
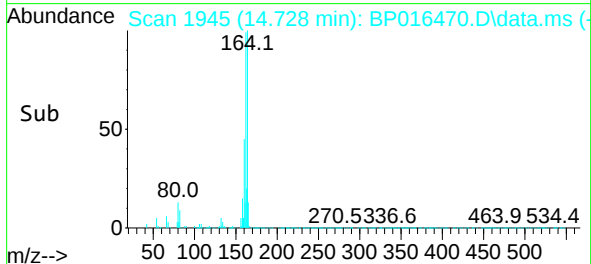
Instrument :
BNA_P
ClientSampleId :
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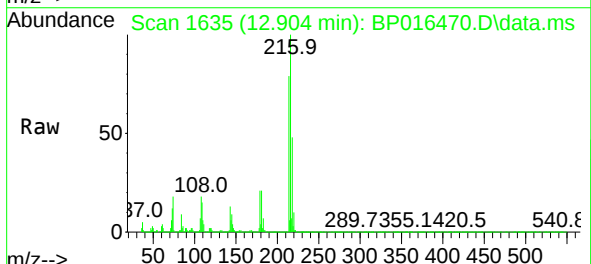
Tgt Ion:164 Resp: 1058240
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.6
160 44.6 36.6 55.0

Manual Integrations
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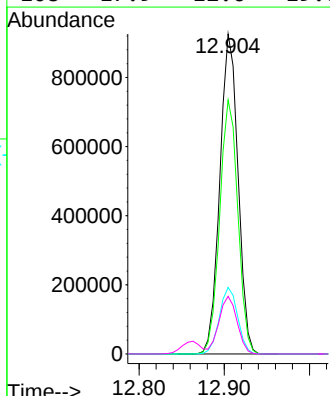
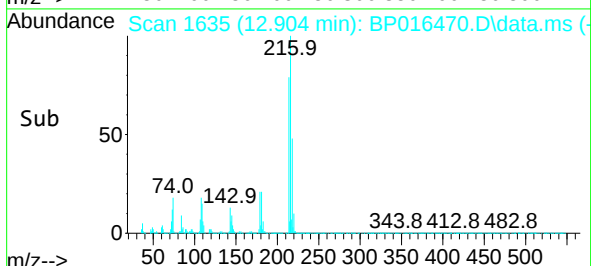
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

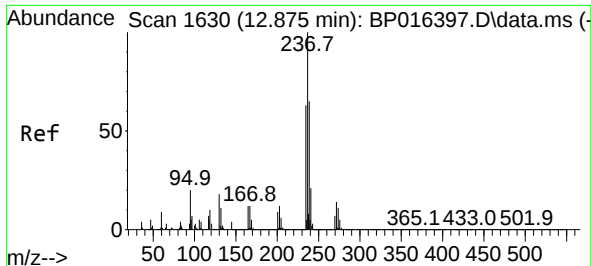


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.713 ng
RT: 12.904 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



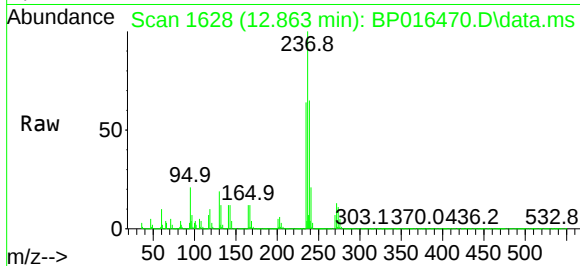
Tgt Ion:216 Resp: 1373612
Ion Ratio Lower Upper
216 100
214 79.1 62.8 94.2
179 21.0 16.0 24.0
108 17.9 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 94.439 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

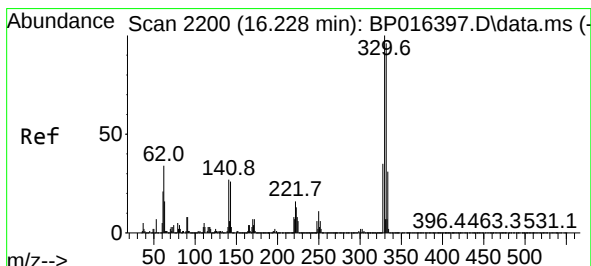
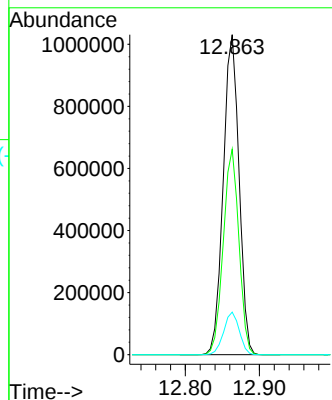
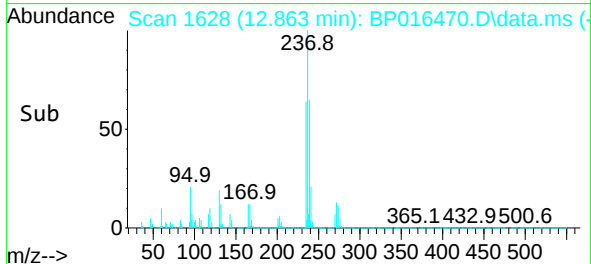
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



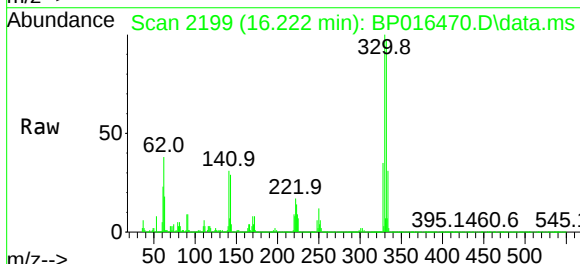
Tgt Ion:237 Resp: 1525340
Ion Ratio Lower Upper
237 100
235 64.2 42.7 82.7
272 13.3 0.0 33.5

Manual Integrations
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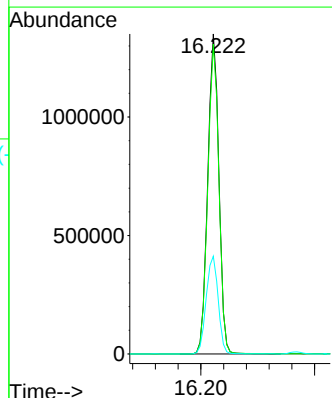
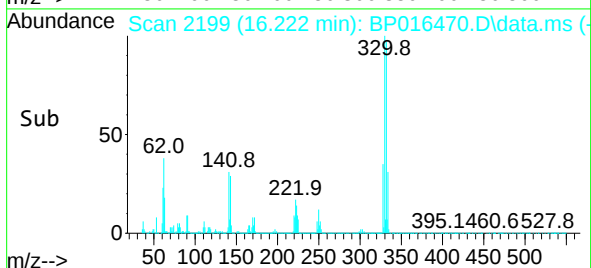
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

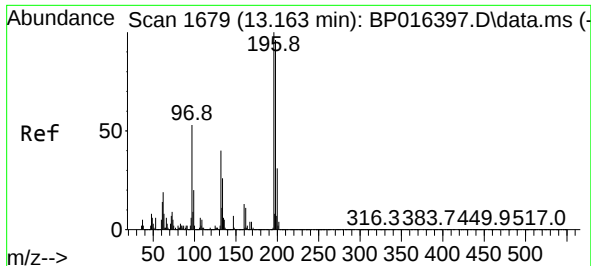


#42
2,4,6-Tribromophenol
Concen: 117.482 ng
RT: 16.222 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



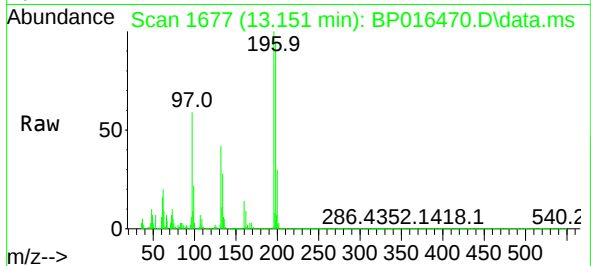
Tgt Ion:330 Resp: 1829001
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 32.8 22.6 34.0





#43
2,4,6-Trichlorophenol
Concen: 50.456 ng
RT: 13.151 min Scan# 1677
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

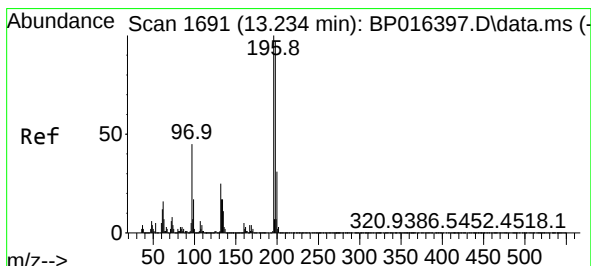
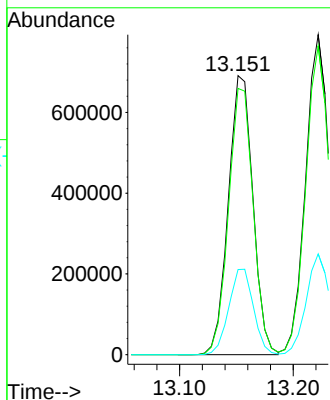
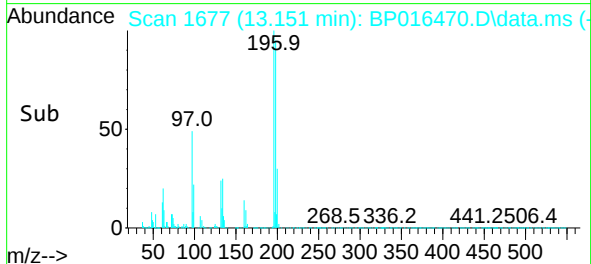
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



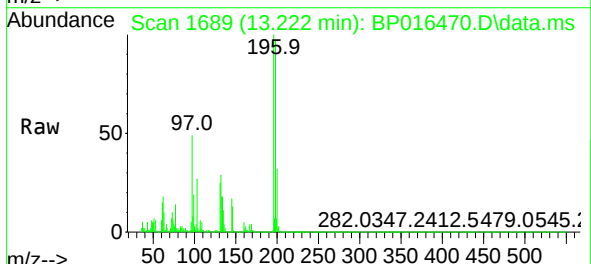
Tgt Ion:196 Resp: 104113
Ion Ratio Lower Upper
196 100
198 95.4 77.0 115.4
200 30.5 24.5 36.7

Manual Integrations
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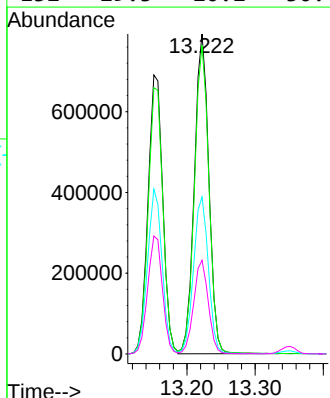
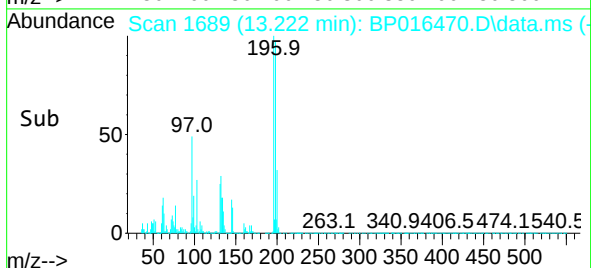
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

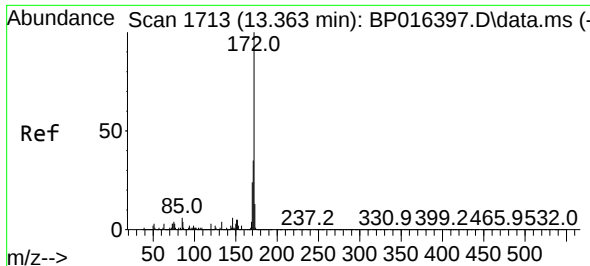


#44
2,4,5-Trichlorophenol
Concen: 46.714 ng
RT: 13.222 min Scan# 1689
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



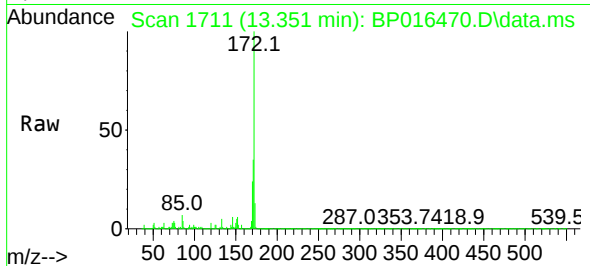
Tgt Ion:196 Resp: 1169467
Ion Ratio Lower Upper
196 100
198 96.5 77.3 115.9
97 49.1 36.2 54.4
132 29.3 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 82.985 ng
RT: 13.351 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

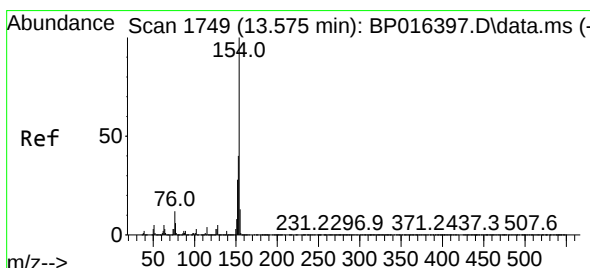
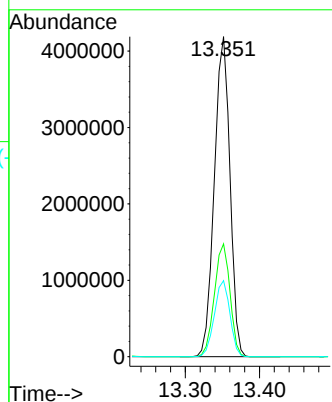
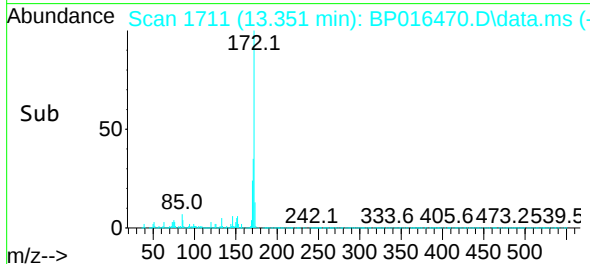
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



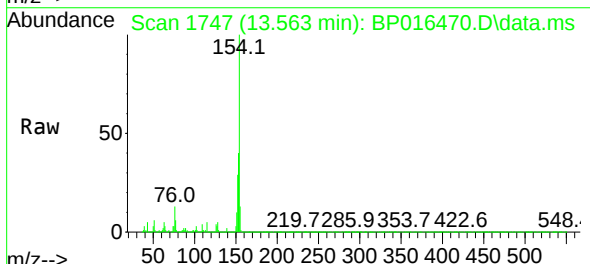
Tgt Ion:172 Resp: 6125398
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.8 19.1 28.7

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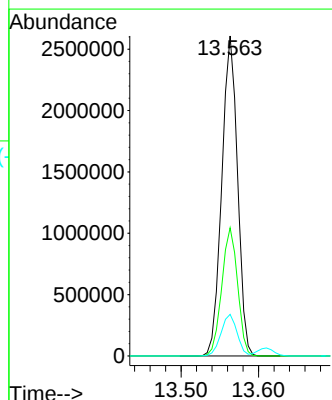
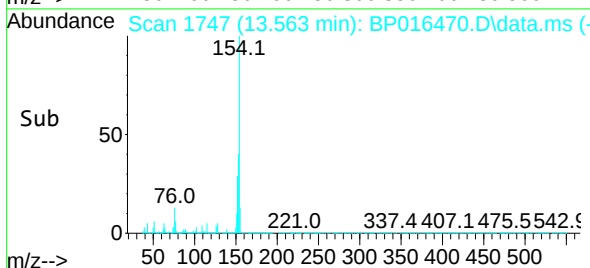
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

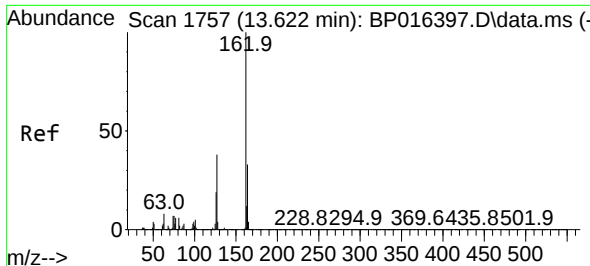


#46
1,1'-Biphenyl
Concen: 45.596 ng
RT: 13.563 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion:154 Resp: 3678147
Ion Ratio Lower Upper
154 100
153 40.1 20.1 60.1
76 13.0 0.0 32.5





#47

2-Chloronaphthalene

Concen: 46.430 ng

RT: 13.610 min Scan# 1755

Delta R.T. -0.012 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion:162 Resp: 282567

Ion Ratio Lower Upper

162 100

127 39.0 30.1 45.1

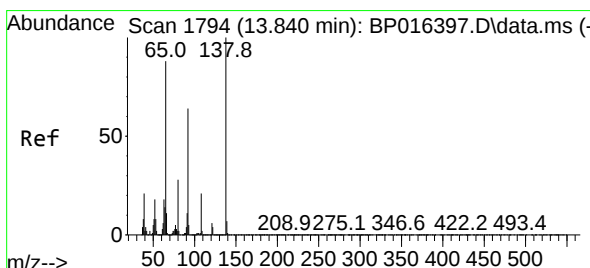
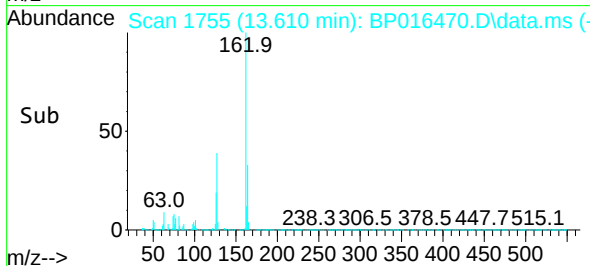
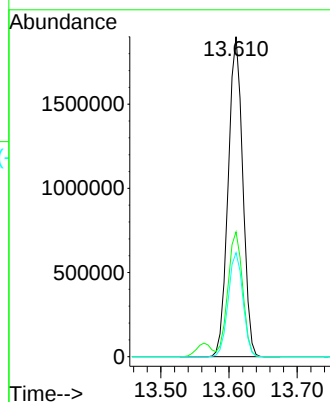
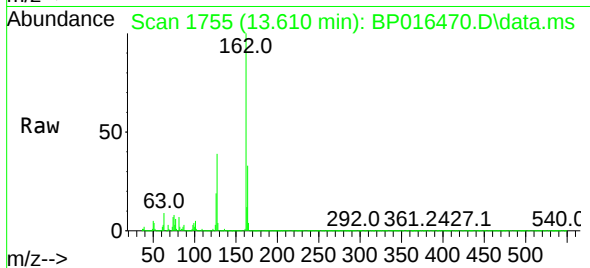
164 32.5 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#48

2-Nitroaniline

Concen: 54.207 ng

RT: 13.834 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

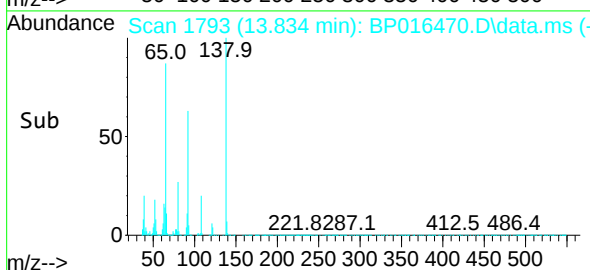
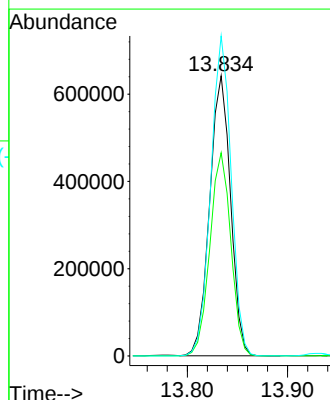
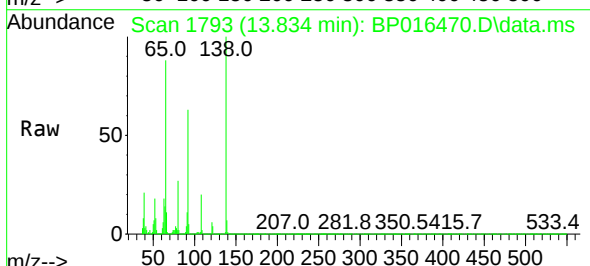
Tgt Ion: 65 Resp: 929921

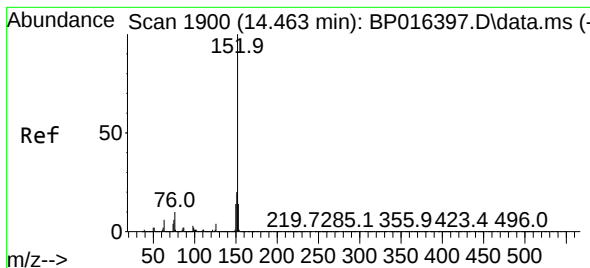
Ion Ratio Lower Upper

65 100

92 72.5 58.2 87.4

138 114.2 91.3 136.9





#49

Acenaphthylene

Concen: 47.611 ng

RT: 14.457 min Scan# 1899

Delta R.T. -0.006 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion:152 Resp: 480763

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

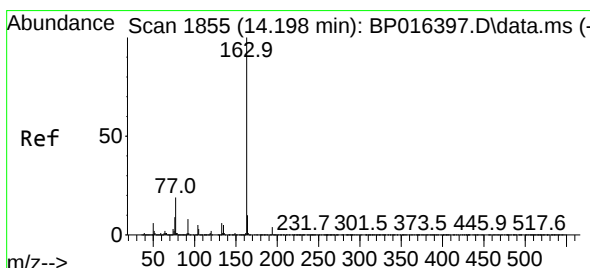
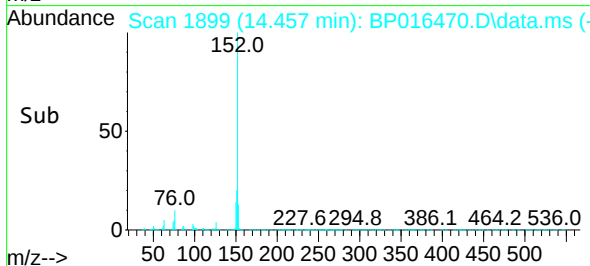
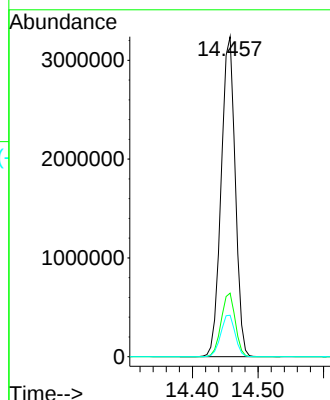
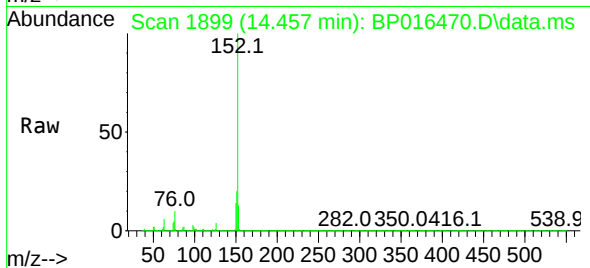
153 12.9 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#50

Dimethylphthalate

Concen: 49.006 ng

RT: 14.187 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

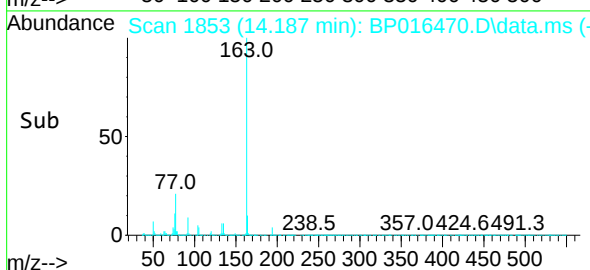
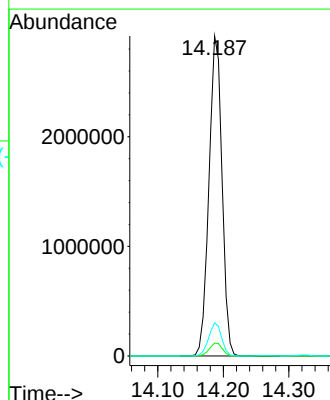
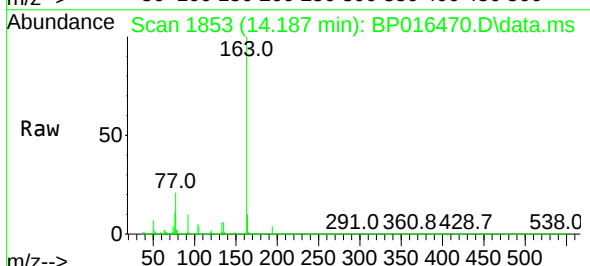
Tgt Ion:163 Resp: 4041326

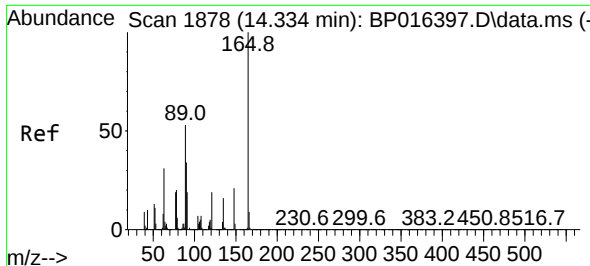
Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

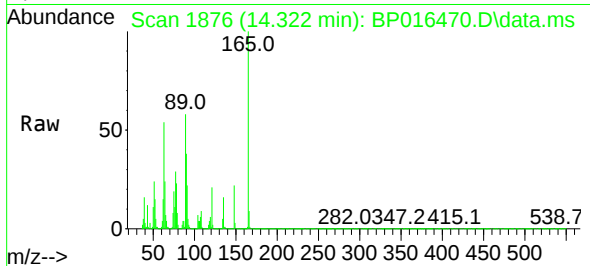
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 50.297 ng
RT: 14.322 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

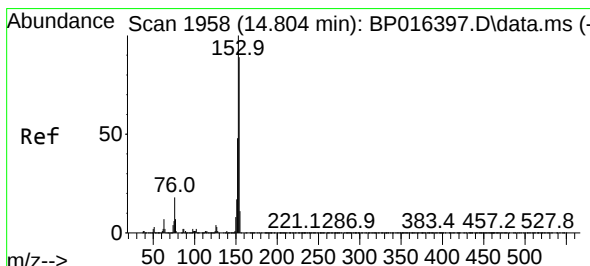
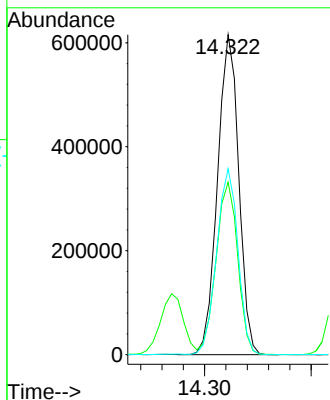
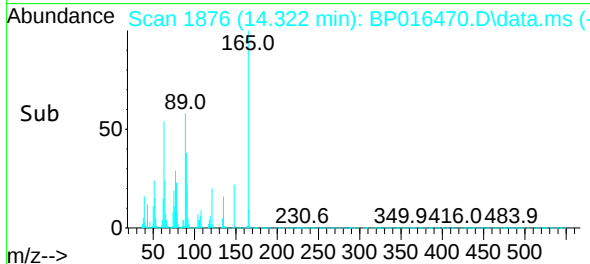
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



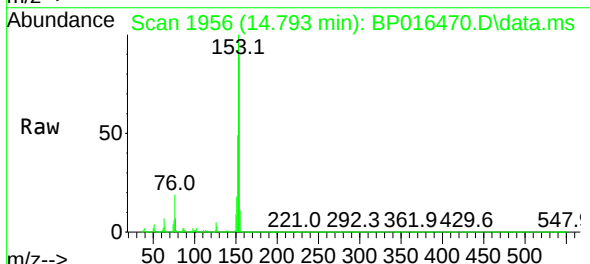
Tgt Ion:165 Resp: 849718
Ion Ratio Lower Upper
165 100
63 53.9 39.1 58.7
89 58.1 42.5 63.7

Manual Integrations
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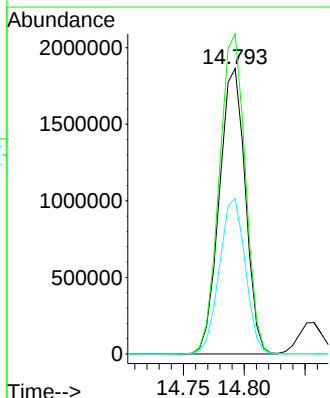
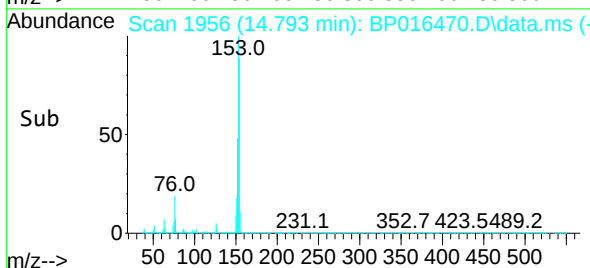
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

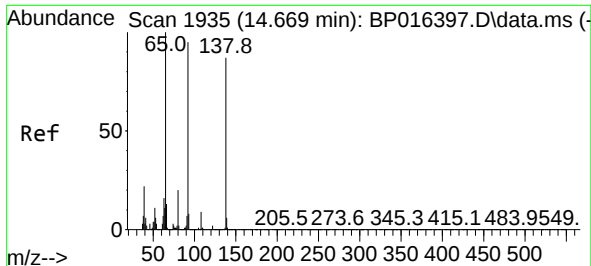


#52
Acenaphthene
Concen: 46.182 ng
RT: 14.793 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



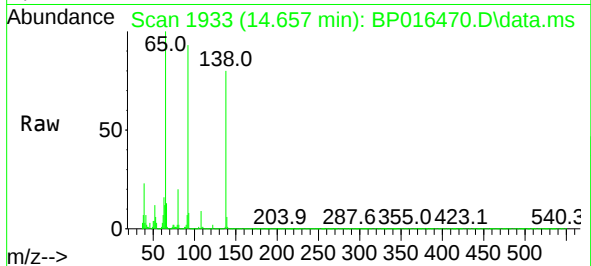
Tgt Ion:154 Resp: 2773090
Ion Ratio Lower Upper
154 100
153 112.1 90.4 135.6
152 54.4 43.4 65.0





#53
3-Nitroaniline
Concen: 32.928 ng
RT: 14.657 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

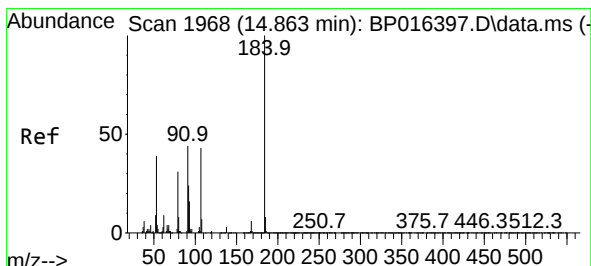
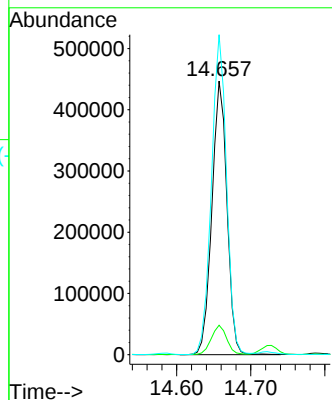
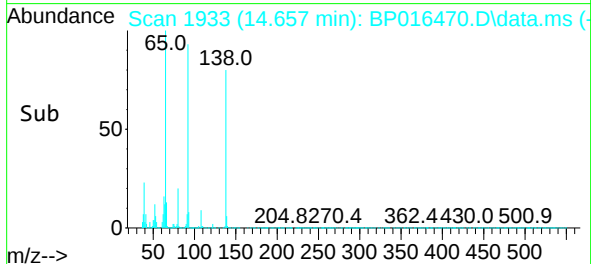
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:138 Resp: 628909
Ion Ratio Lower Upper
138 100
108 10.7 8.7 13.1
92 116.9 87.6 131.4

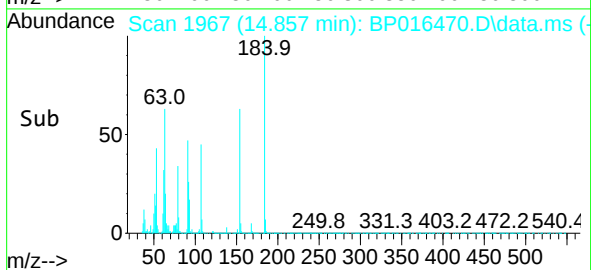
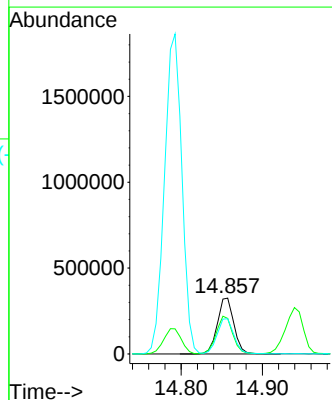
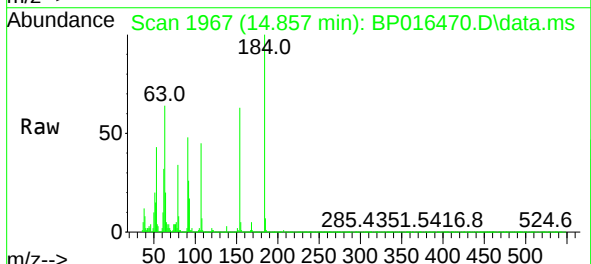
Manual Integrations
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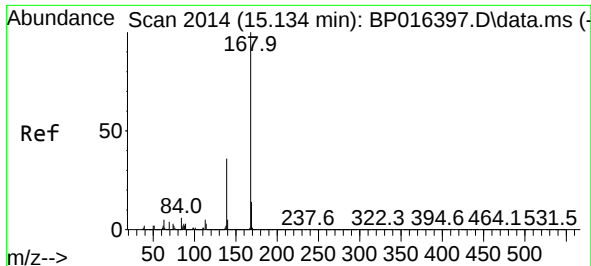
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#54
2,4-Dinitrophenol
Concen: 60.534 ng
RT: 14.857 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

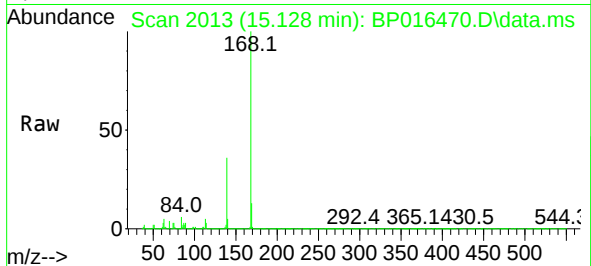
Tgt Ion:184 Resp: 461325
Ion Ratio Lower Upper
184 100
63 63.6 48.2 72.4
154 63.0 49.6 74.4





#55
Dibenzofuran
Concen: 45.434 ng
RT: 15.128 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

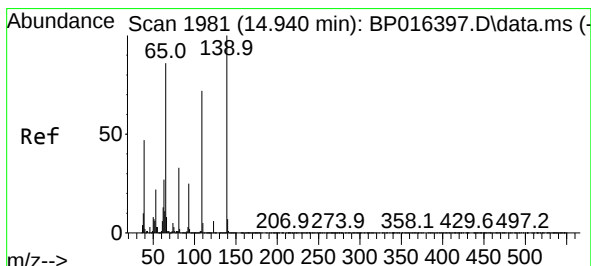
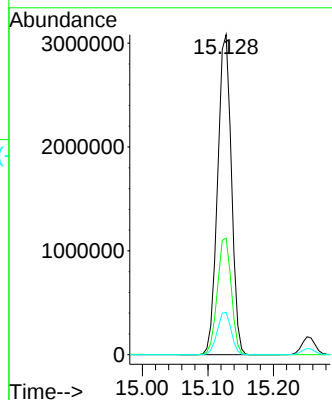
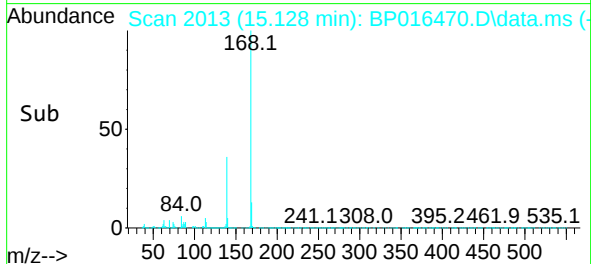
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:168 Resp: 4474418
Ion Ratio Lower Upper
168 100
139 36.5 28.9 43.3
169 13.2 11.0 16.4

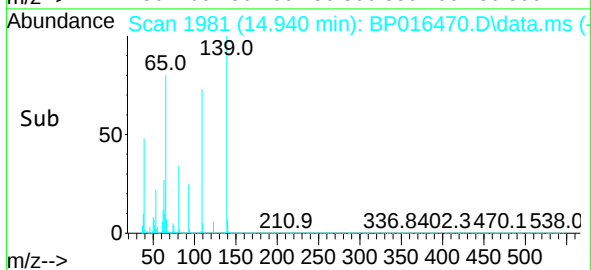
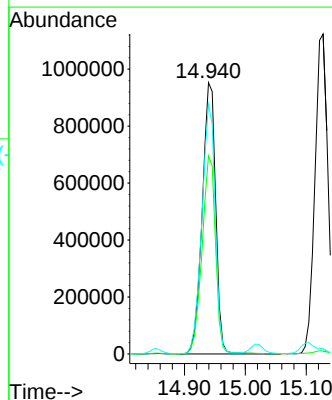
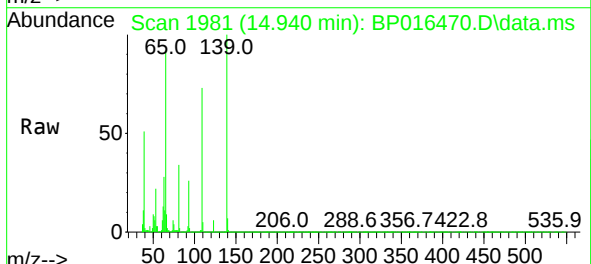
Manual Integrations
APPROVED

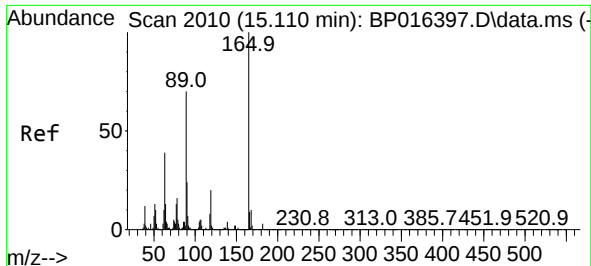
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#56
4-Nitrophenol
Concen: 97.887 ng
RT: 14.940 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

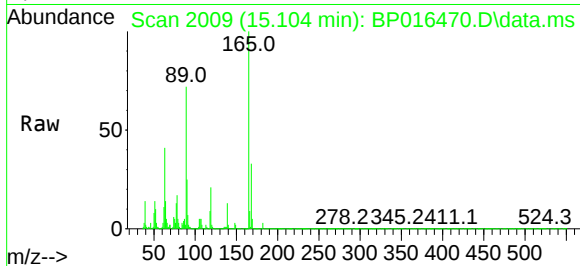
Tgt Ion:139 Resp: 1463516
Ion Ratio Lower Upper
139 100
109 73.0 51.9 91.9
65 92.0 66.2 106.2





#57
2,4-Dinitrotoluene
Concen: 52.268 ng
RT: 15.104 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

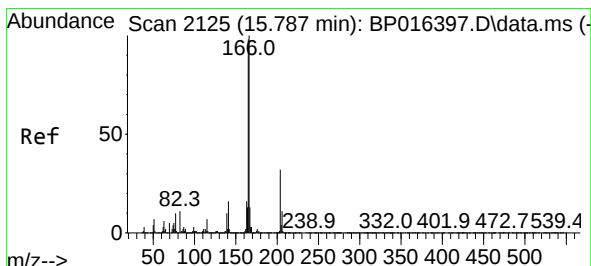
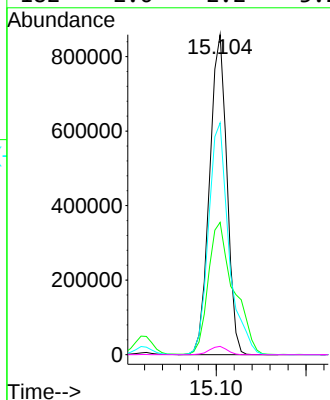
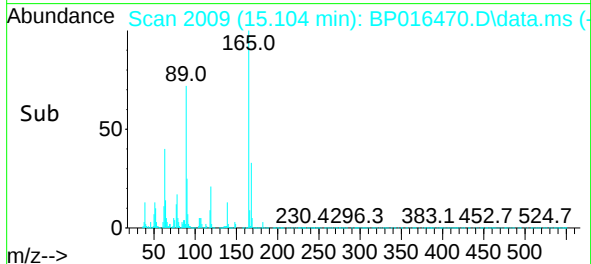
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



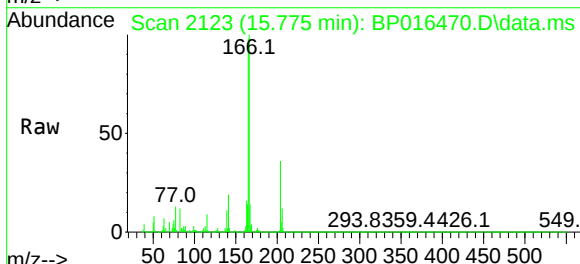
Tgt Ion:165 Resp: 1150798
Ion Ratio Lower Upper
165 100
63 41.4 31.4 47.0
89 72.4 55.8 83.6
182 2.6 2.2 3.2

Manual Integrations
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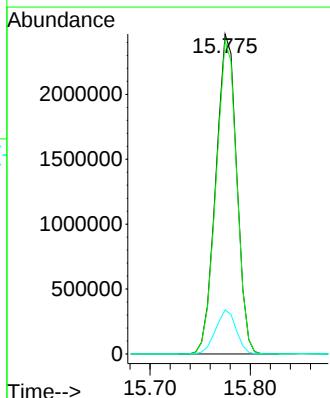
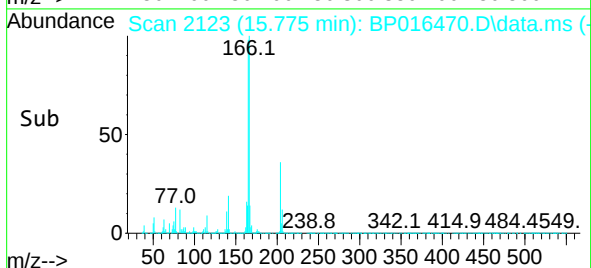
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

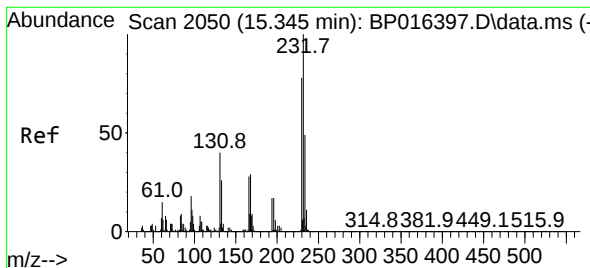


#58
Fluorene
Concen: 45.898 ng
RT: 15.775 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



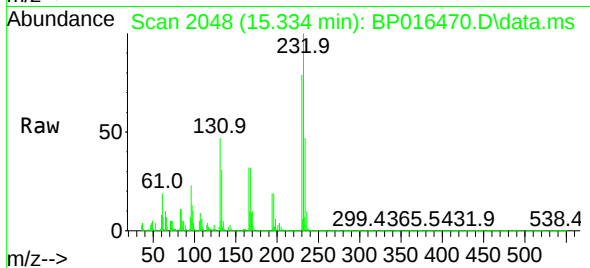
Tgt Ion:166 Resp: 3551093
Ion Ratio Lower Upper
166 100
165 98.0 78.0 117.0
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.566 ng
RT: 15.334 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

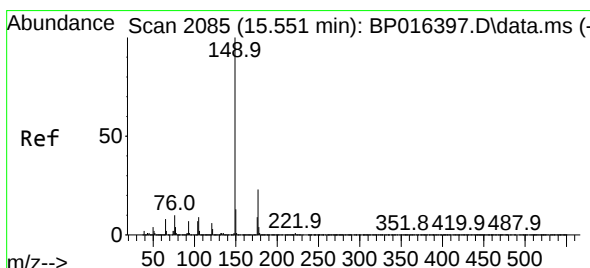
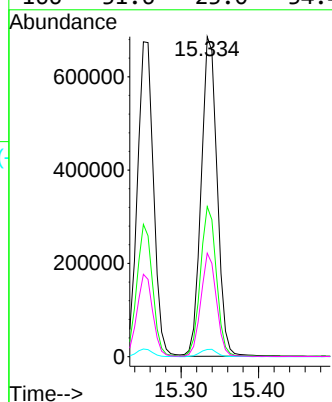
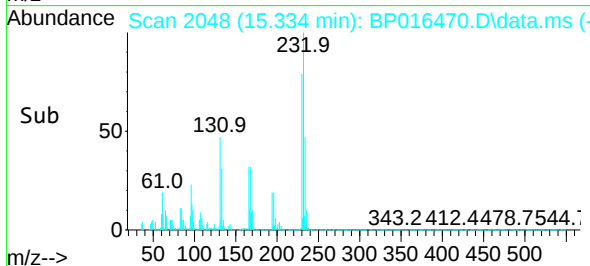
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:232 Resp: 979554
Ion Ratio Lower Upper
232 100
131 46.8 33.1 49.7
130 2.4 1.8 2.8
166 31.6 23.0 34.4

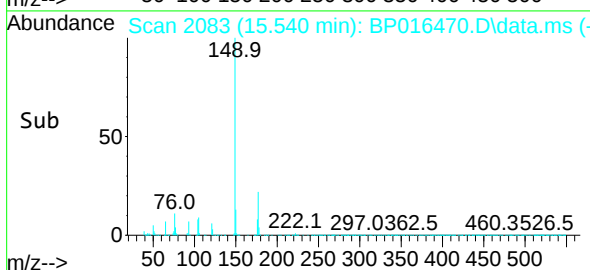
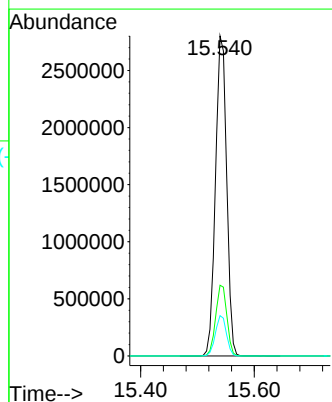
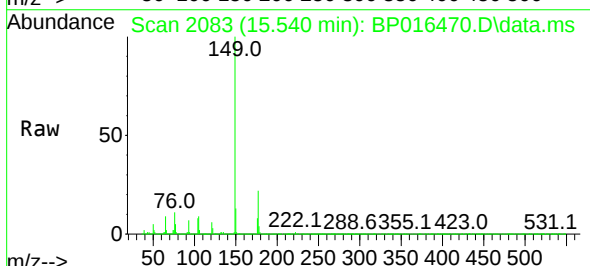
Manual Integrations
APPROVED

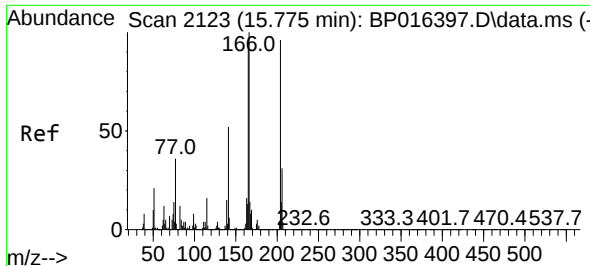
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#60
Diethylphthalate
Concen: 46.435 ng
RT: 15.540 min Scan# 2083
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

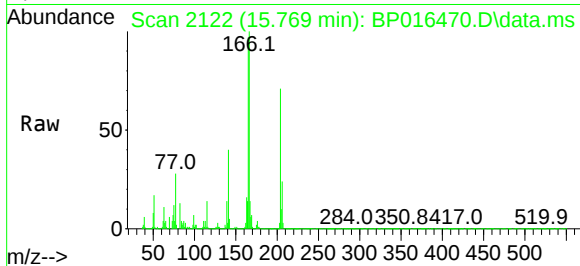
Tgt Ion:149 Resp: 3805491
Ion Ratio Lower Upper
149 100
177 22.1 18.6 27.8
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 44.295 ng
RT: 15.769 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

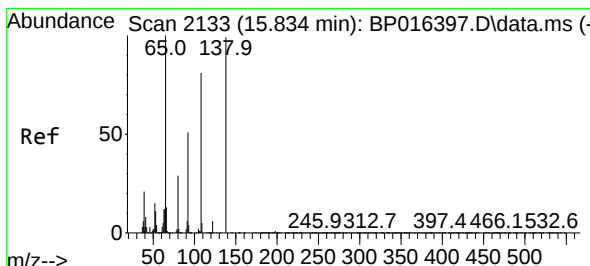
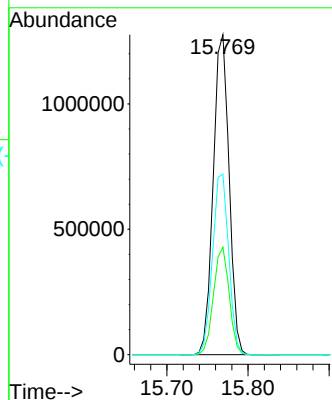
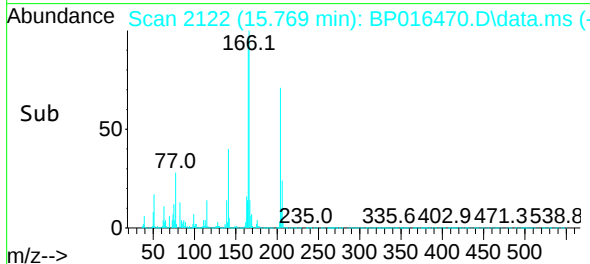
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



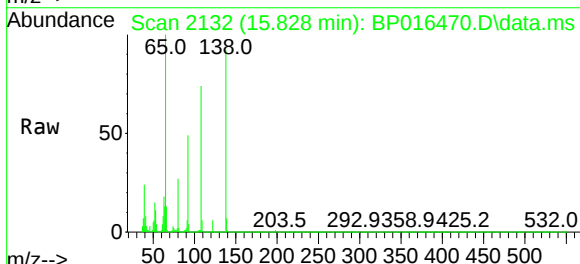
Tgt Ion:204 Resp: 172939
Ion Ratio Lower Upper
204 100
206 33.6 26.2 39.4
141 56.4 43.4 65.0

Manual Integrations
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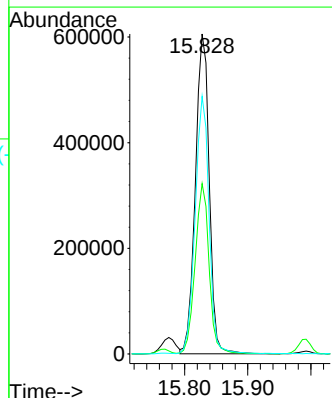
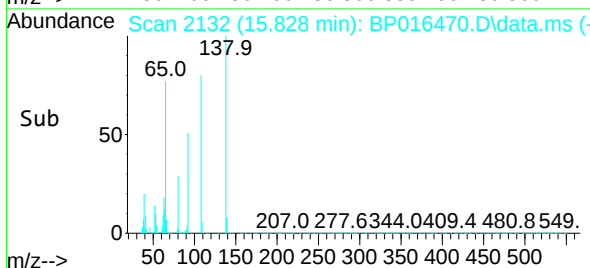
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

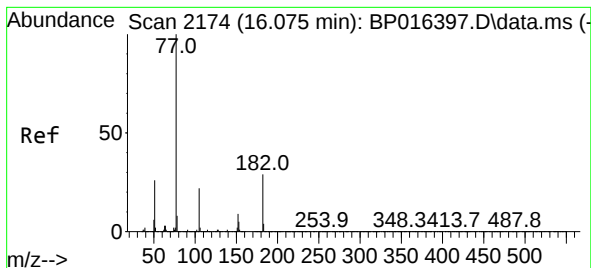


#62
4-Nitroaniline
Concen: 48.673 ng
RT: 15.828 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



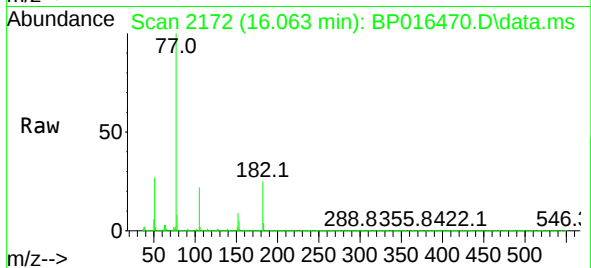
Tgt Ion:138 Resp: 922590
Ion Ratio Lower Upper
138 100
92 53.3 30.3 70.3
108 80.5 60.1 100.1





#63
Azobenzene
Concen: 47.988 ng
RT: 16.063 min Scan# 2174
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

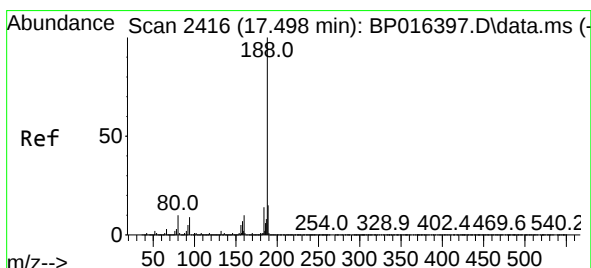
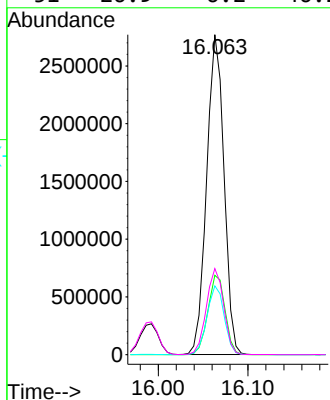
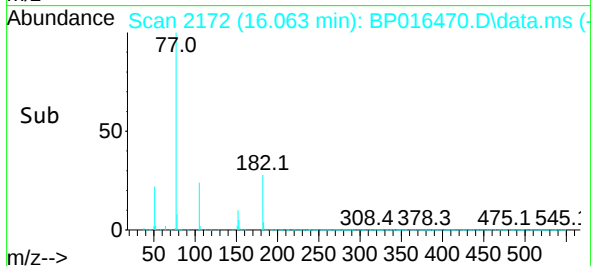
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



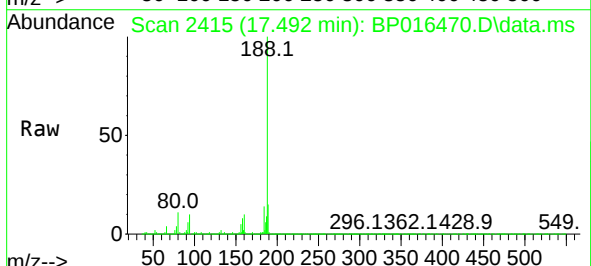
Tgt Ion: 77 Resp: 371342
Ion Ratio Lower Upper
77 100
182 24.8 8.6 48.6
105 21.5 2.4 42.4
51 26.9 6.2 46.2

Manual Integrations
APPROVED

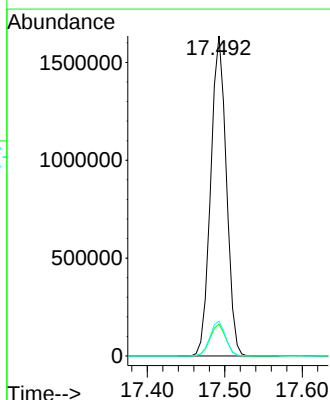
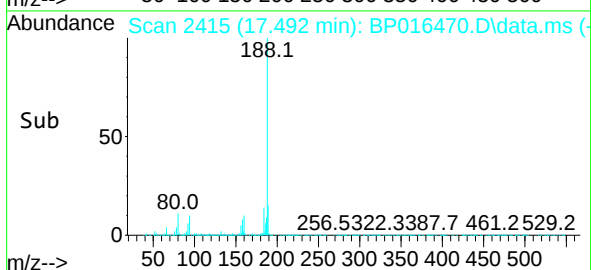
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

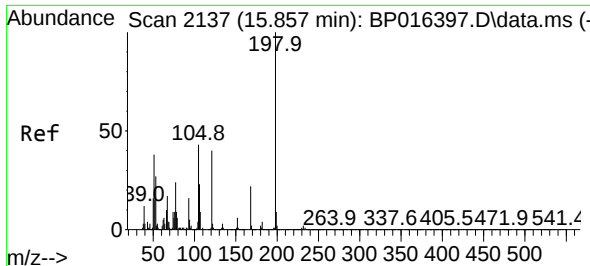


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion:188 Resp: 2289737
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 10.9 7.8 11.8





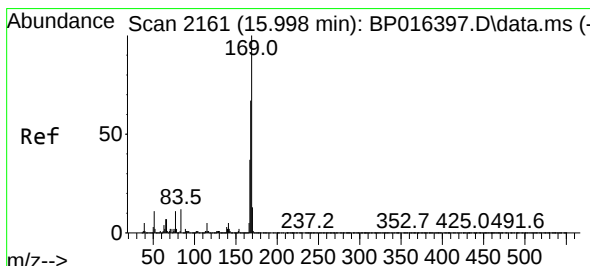
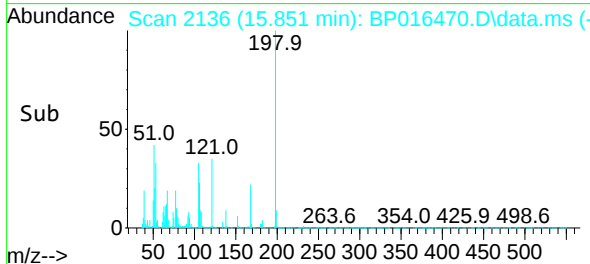
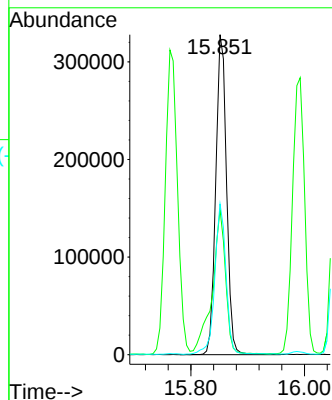
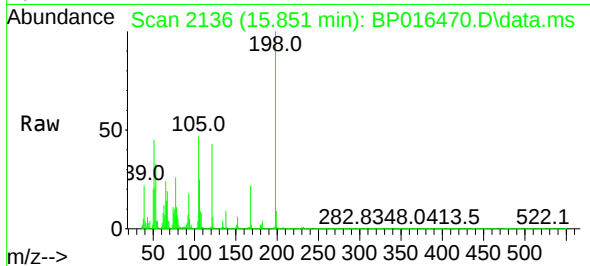
#65
4,6-Dinitro-2-methylphenol
Concen: 41.199 ng
RT: 15.851 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD

Tgt Ion:198 Resp: 430691
Ion Ratio Lower Upper
198 100
51 45.3 20.1 60.1
105 47.1 23.1 63.1

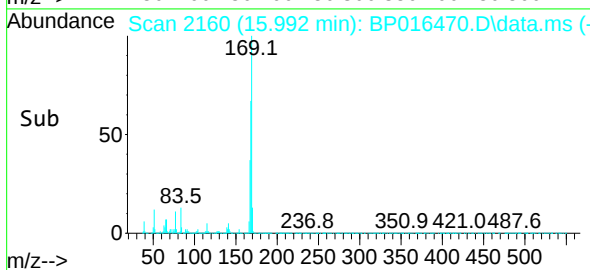
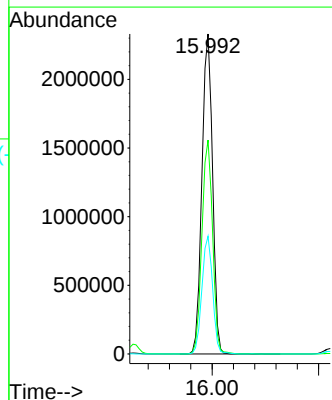
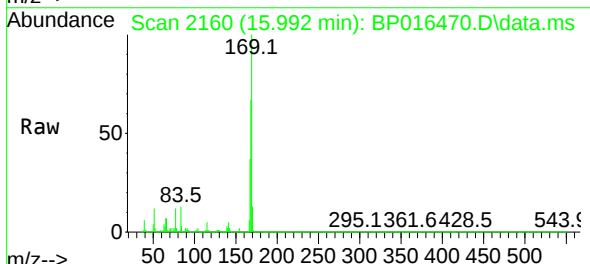
Manual Integrations
APPROVED

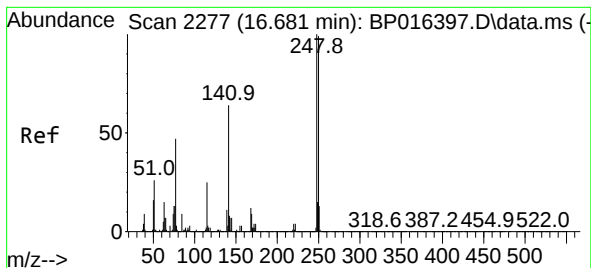
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#66
n-Nitrosodiphenylamine
Concen: 47.635 ng
RT: 15.992 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

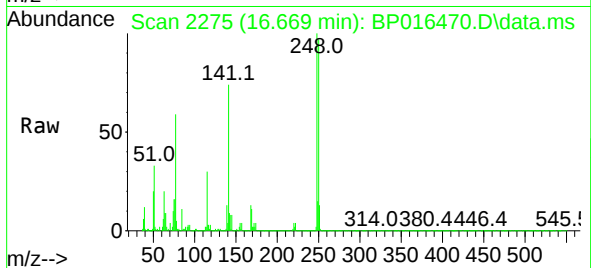
Tgt Ion:169 Resp: 3214450
Ion Ratio Lower Upper
169 100
168 66.8 53.6 80.4
167 36.8 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 45.129 ng
RT: 16.669 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

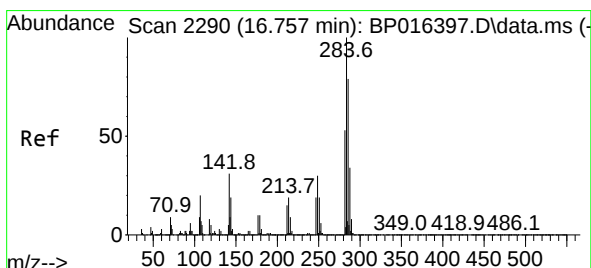
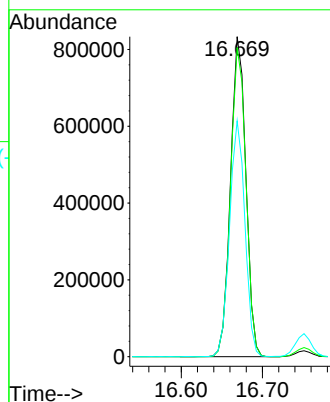
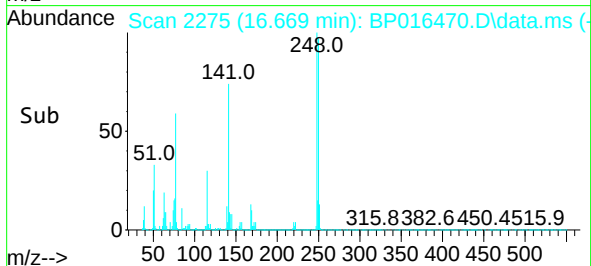
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:248 Resp: 109417
Ion Ratio Lower Upper
248 100
250 96.6 78.9 118.3
141 73.7 51.0 76.4

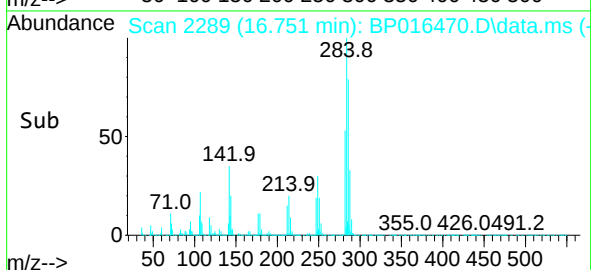
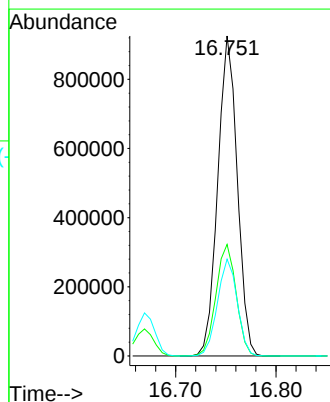
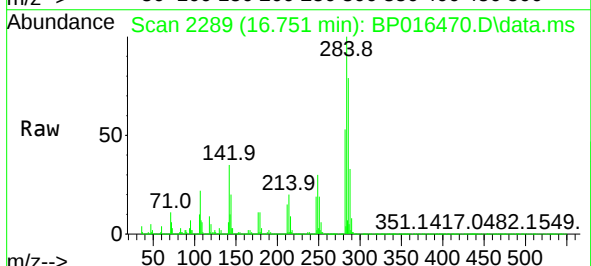
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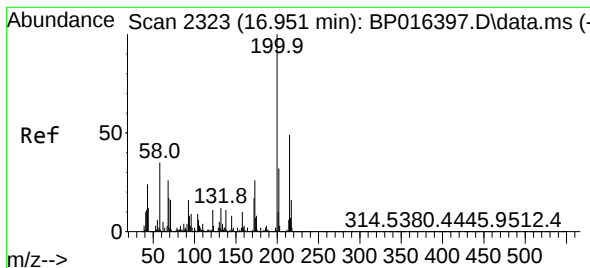
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#68
Hexachlorobenzene
Concen: 46.201 ng
RT: 16.751 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Tgt Ion:284 Resp: 1249183
Ion Ratio Lower Upper
284 100
142 34.9 25.2 37.8
249 30.2 26.0 39.0





#69

Atrazine

Concen: 57.401 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion:200 Resp: 115195

Ion Ratio Lower Upper

200 100

173 27.0 5.8 45.8

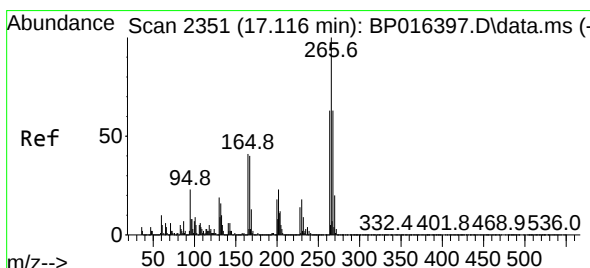
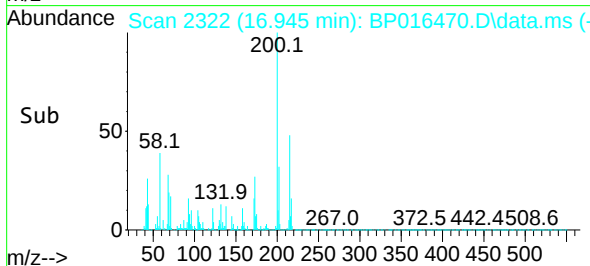
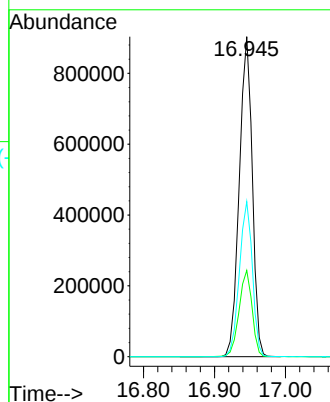
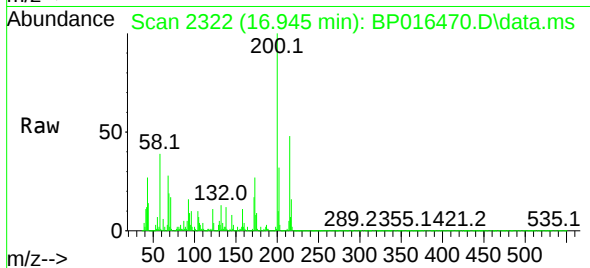
215 48.5 29.2 69.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#70

Pentachlorophenol

Concen: 76.104 ng

RT: 17.116 min Scan# 2351

Delta R.T. -0.000 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

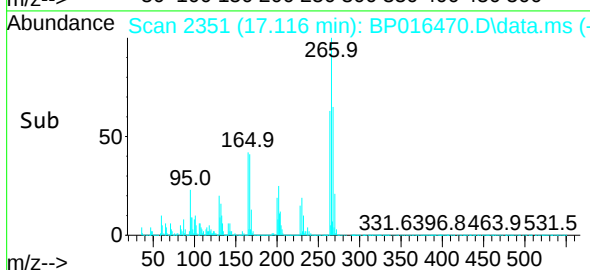
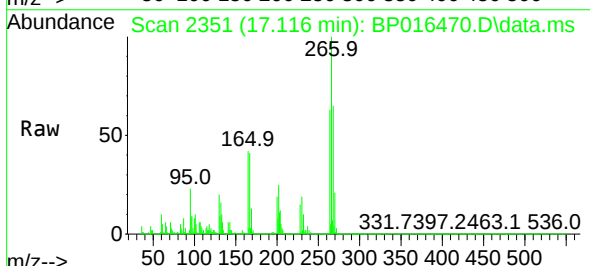
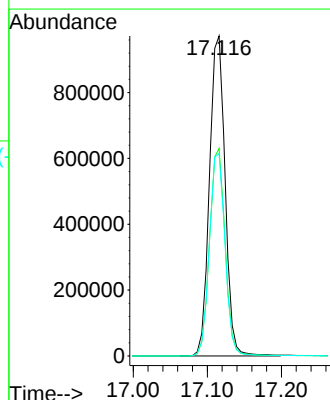
Tgt Ion:266 Resp: 1423977

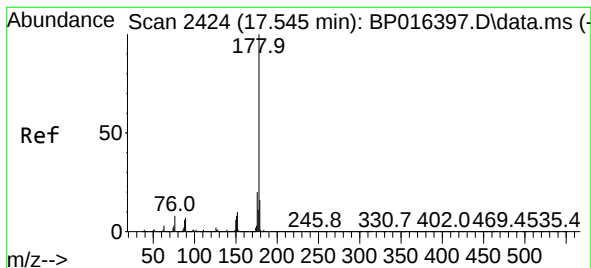
Ion Ratio Lower Upper

266 100

268 64.8 53.9 80.9

264 63.2 54.9 82.3





#71

Phenanthrene

Concen: 46.929 ng

RT: 17.534 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion:178 Resp: 5705810

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

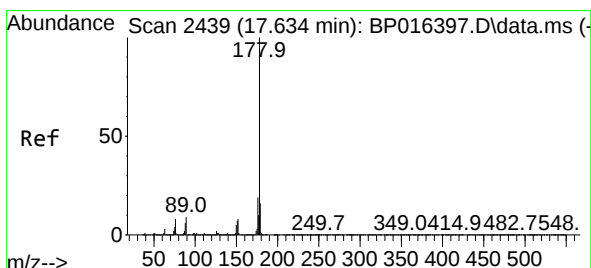
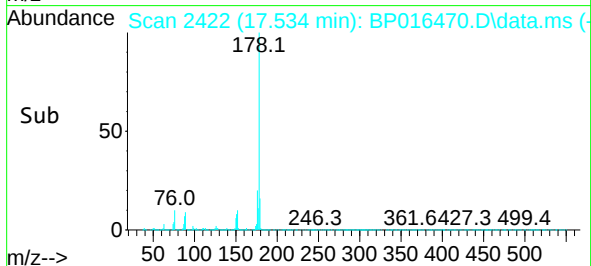
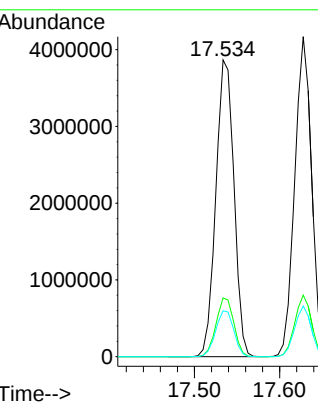
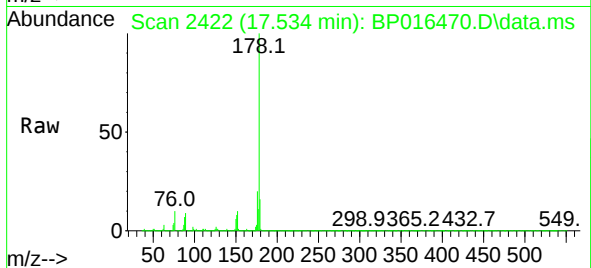
179 15.5 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#72

Anthracene

Concen: 46.961 ng

RT: 17.628 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

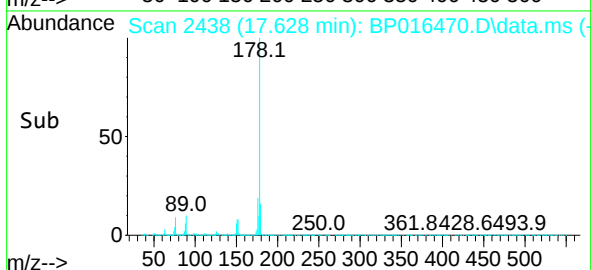
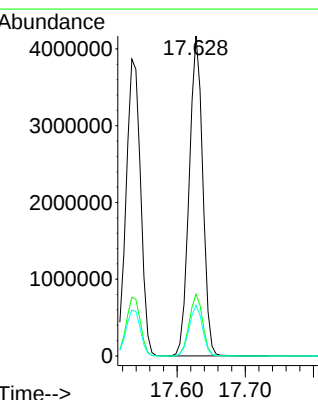
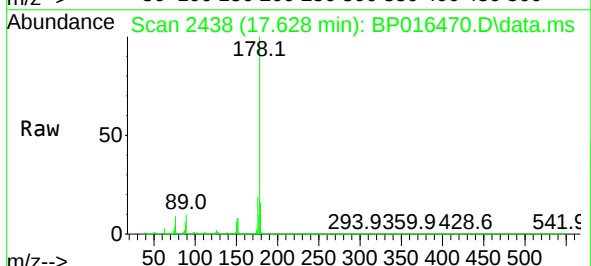
Tgt Ion:178 Resp: 5741314

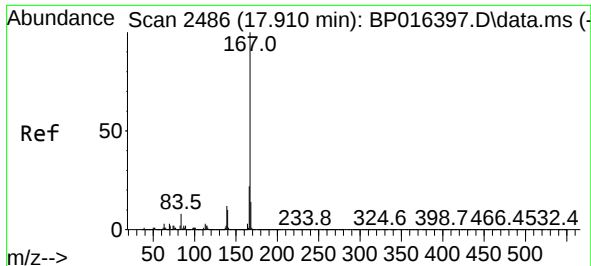
Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

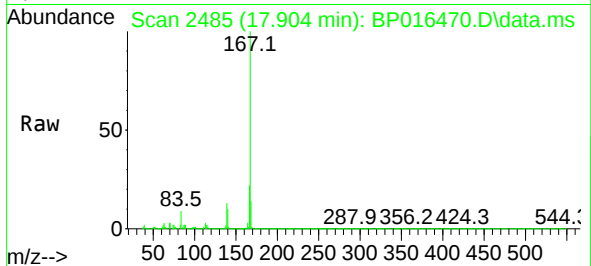
179 15.9 12.6 19.0





#73
 Carbazole
 Concen: 48.351 ng
 RT: 17.904 min Scan# 2486
 Delta R.T. -0.006 min
 Lab File: BP016470.D
 Acq: 02 Aug 2023 15:49

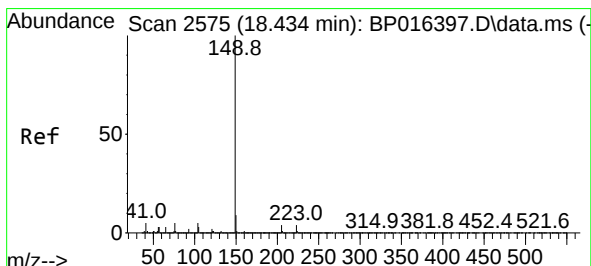
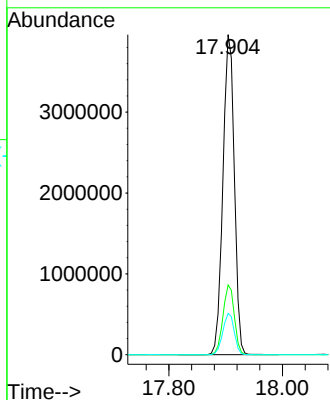
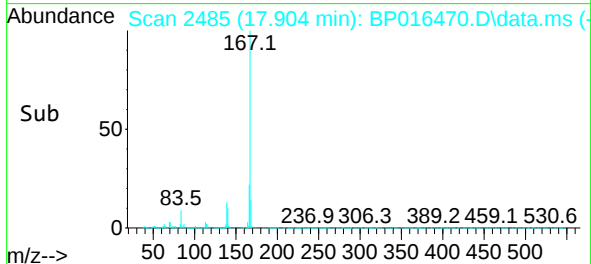
Instrument :
 BNA_P
 ClientSampleId :
 GROVE-SOIL-0731MSD



Tgt Ion:167 Resp: 5542040
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 12.9 9.9 14.9

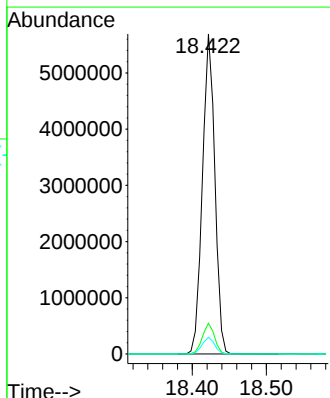
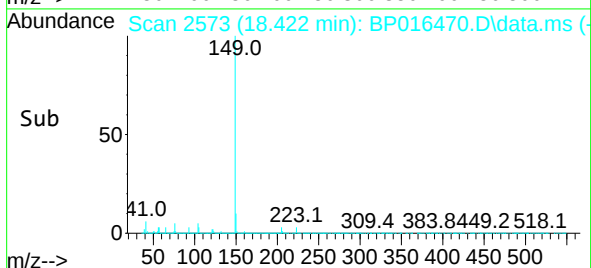
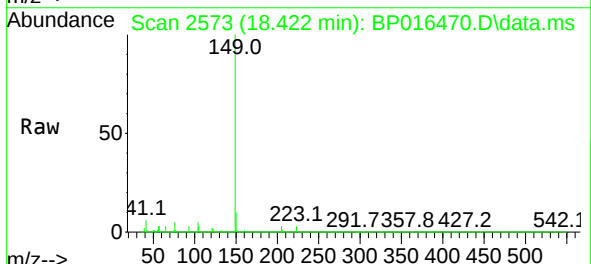
Manual Integrations
 APPROVED

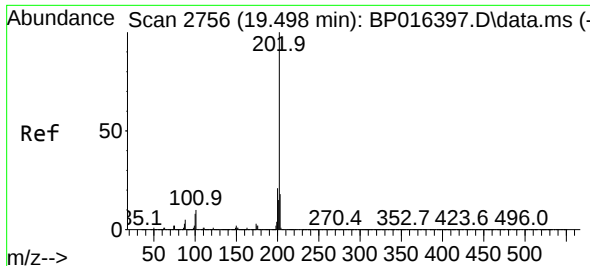
Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023



#74
 Di-n-butylphthalate
 Concen: 49.944 ng
 RT: 18.422 min Scan# 2573
 Delta R.T. -0.012 min
 Lab File: BP016470.D
 Acq: 02 Aug 2023 15:49

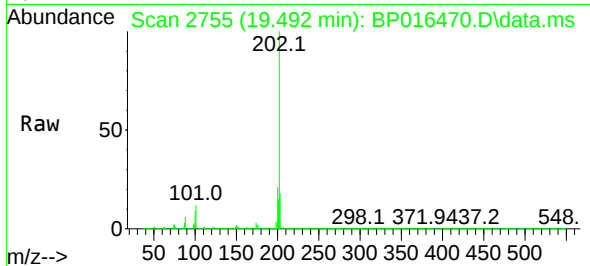
Tgt Ion:149 Resp: 6623030
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.4 11.2
 104 5.2 3.8 5.8





#75
Fluoranthene
Concen: 45.888 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

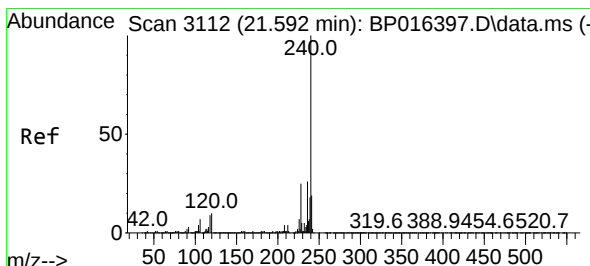
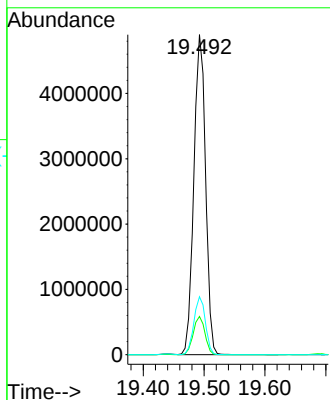
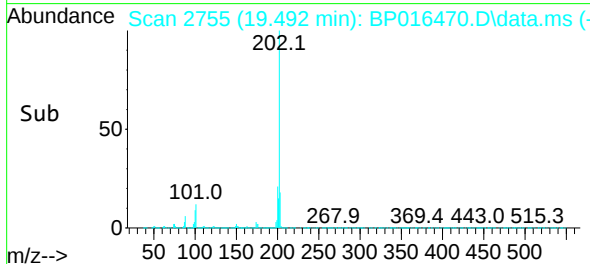
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:202 Resp: 653934
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.2
203 18.1 0.0 37.9

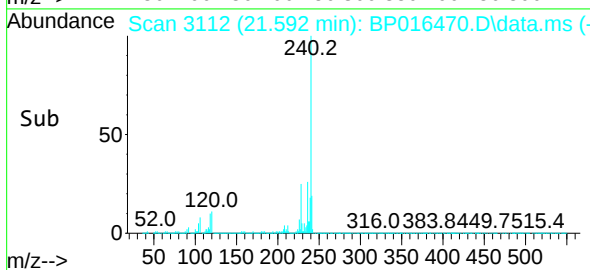
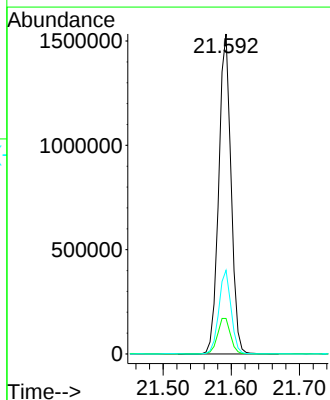
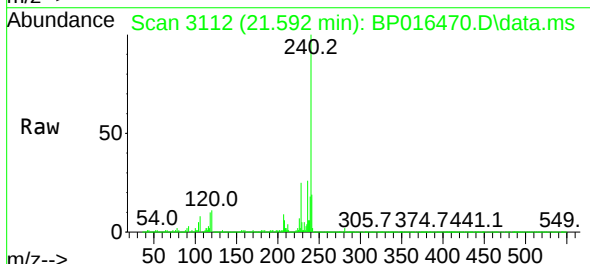
Manual Integrations
APPROVED

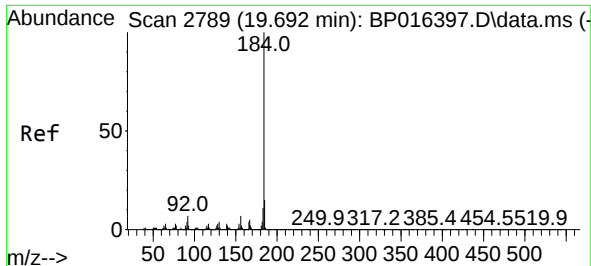
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

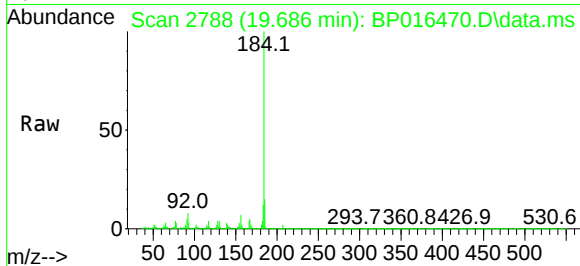
Tgt Ion:240 Resp: 1922310
Ion Ratio Lower Upper
240 100
120 11.1 7.9 11.9
236 26.2 21.1 31.7





#77
Benzidine
Concen: 65.694 ng
RT: 19.686 min Scan# 218948
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

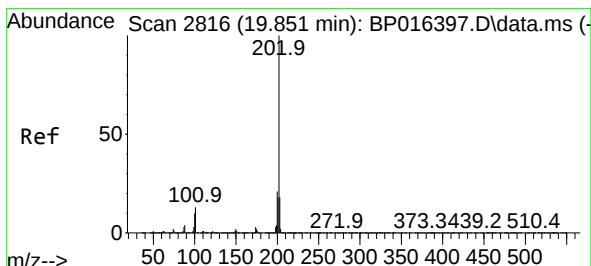
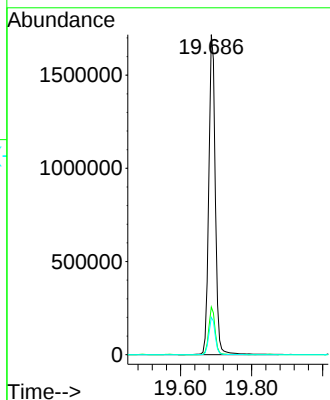
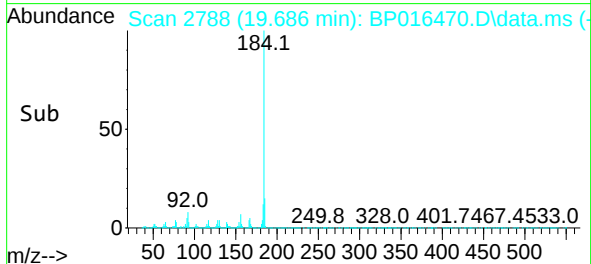
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



Tgt Ion:184 Resp: 218948
Ion Ratio Lower Upper
184 100
185 14.9 12.0 18.0
183 11.7 9.2 13.8

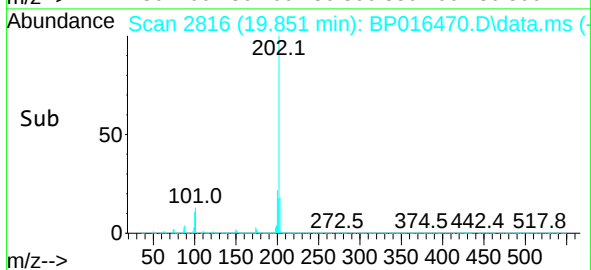
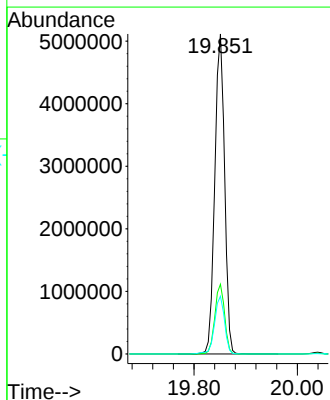
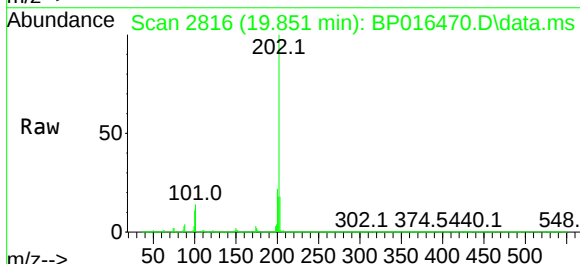
Manual Integrations
APPROVED

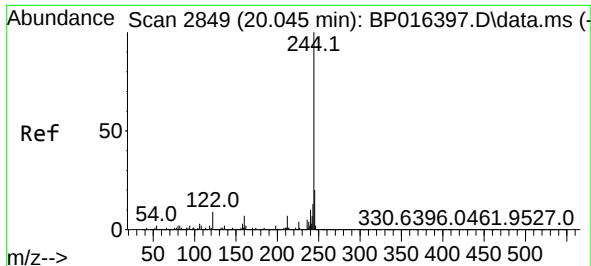
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#78
Pyrene
Concen: 52.234 ng
RT: 19.851 min Scan# 2816
Delta R.T. -0.000 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

Tgt Ion:202 Resp: 6730996
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 18.1 14.4 21.6





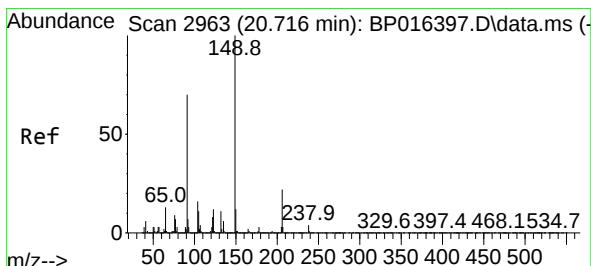
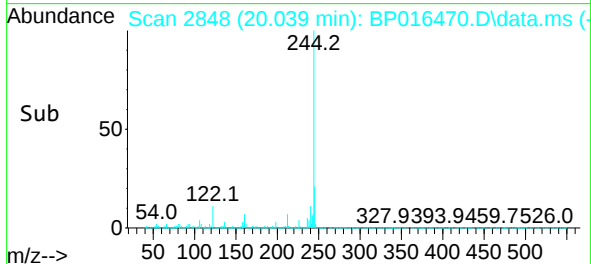
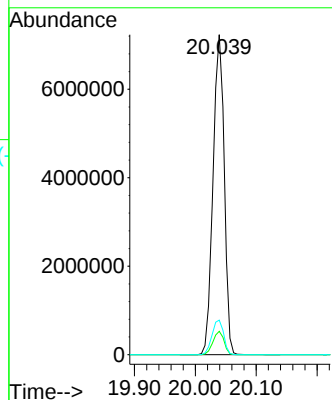
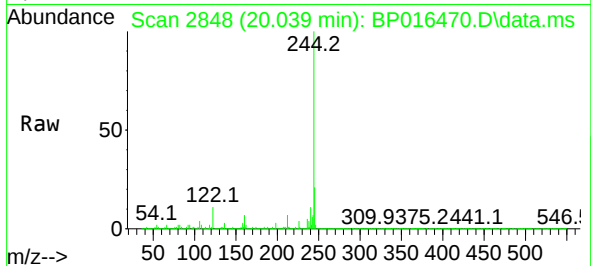
#79
 Terphenyl-d14
 Concen: 101.641 ng
 RT: 20.039 min Scan# 2849
 Delta R.T. -0.006 min
 Lab File: BP016470.D
 Acq: 02 Aug 2023 15:49

Instrument :
 BNA_P
 ClientSampleId :
 GROVE-SOIL-0731MSD

Tgt Ion:244 Resp: 9249359
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 10.8 7.4 11.2

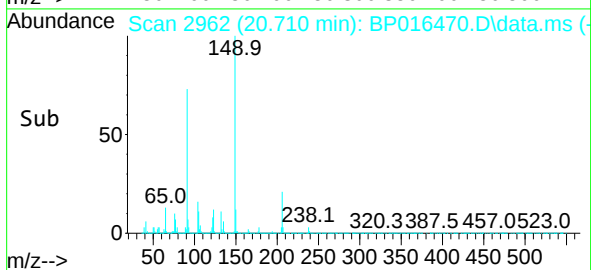
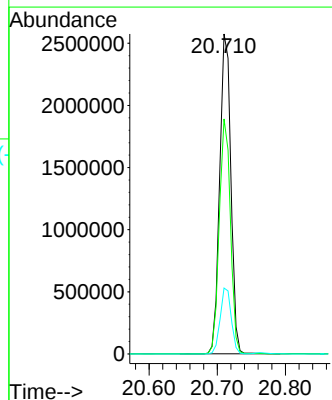
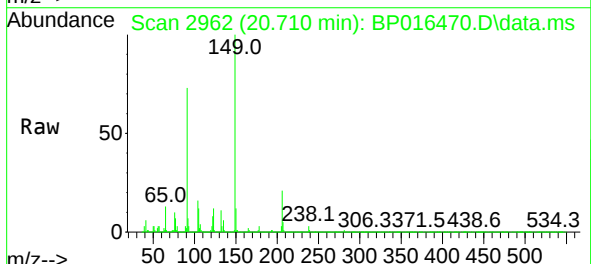
Manual Integrations
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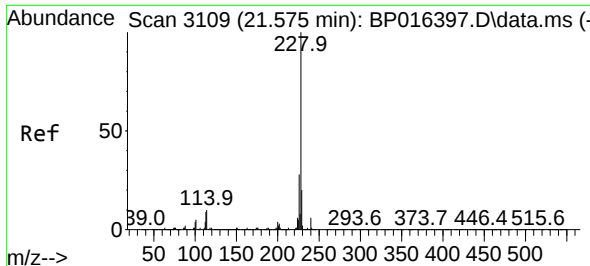
Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023



#80
 Butylbenzylphthalate
 Concen: 58.013 ng
 RT: 20.710 min Scan# 2962
 Delta R.T. -0.006 min
 Lab File: BP016470.D
 Acq: 02 Aug 2023 15:49

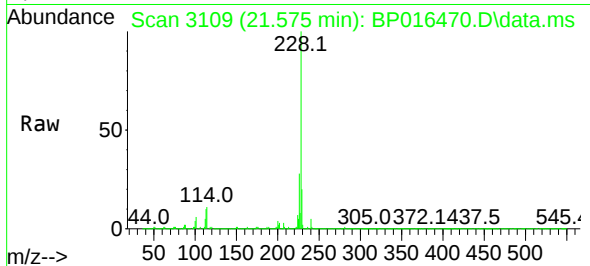
Tgt Ion:149 Resp: 2936883
 Ion Ratio Lower Upper
 149 100
 91 73.4 56.1 84.1
 206 20.6 17.8 26.6





#81
Benzo(a)anthracene
Concen: 48.270 ng
RT: 21.575 min Scan# 3109
Delta R.T. 0.000 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

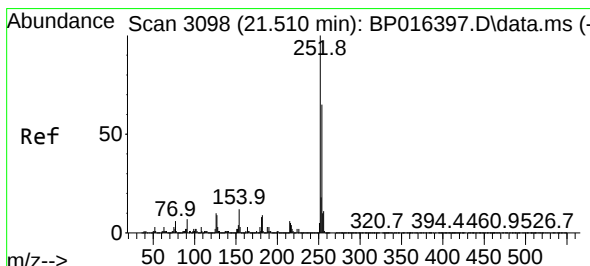
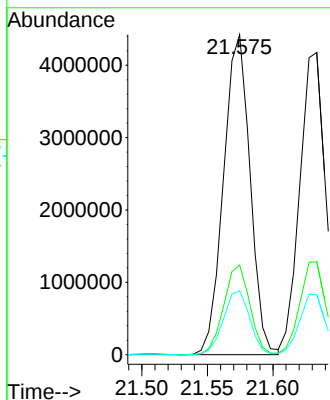
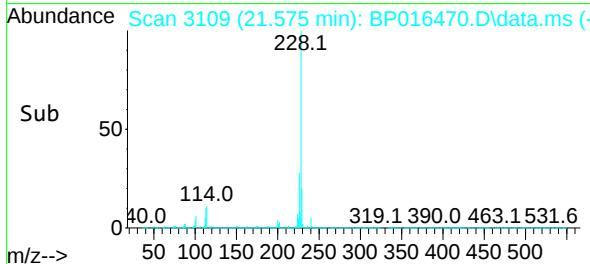
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



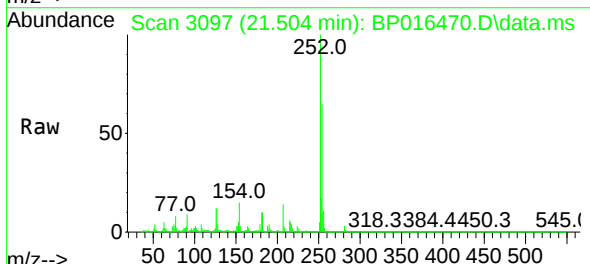
Tgt Ion:228 Resp: 6225718
Ion Ratio Lower Upper
228 100
226 28.0 22.4 33.6
229 20.0 16.2 24.4

Manual Integrations
APPROVED

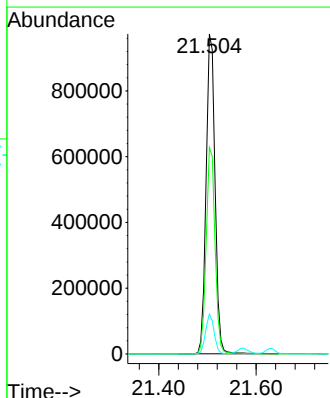
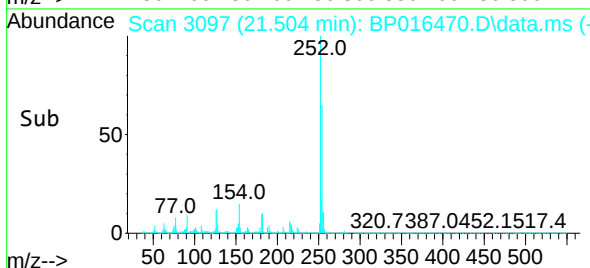
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

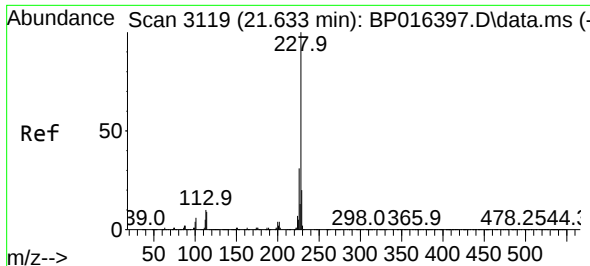


#82
3,3'-Dichlorobenzidine
Concen: 29.095 ng
RT: 21.504 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



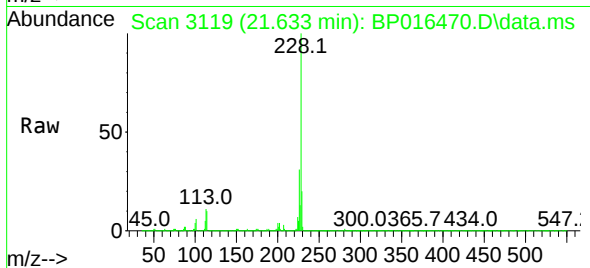
Tgt Ion:252 Resp: 1231846
Ion Ratio Lower Upper
252 100
254 64.6 52.2 78.2
126 12.5 7.8 11.6#





#83
Chrysene
Concen: 46.109 ng
RT: 21.633 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

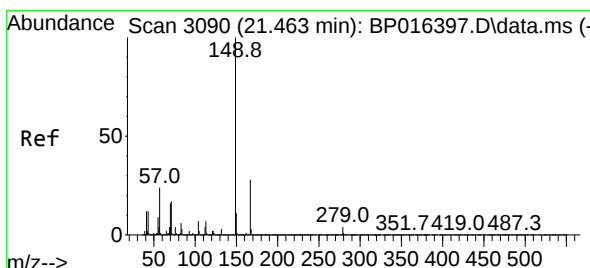
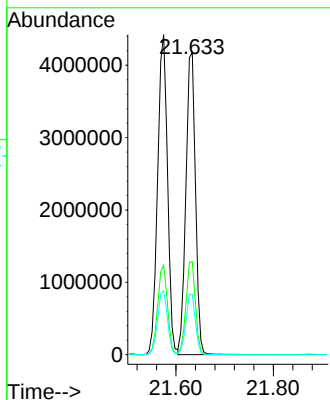
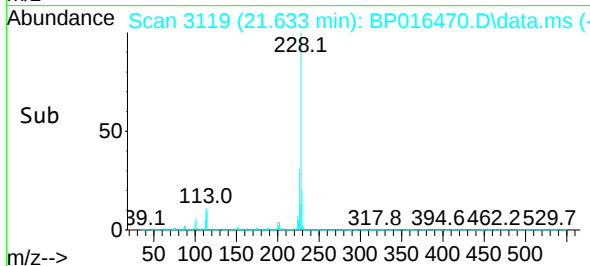
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



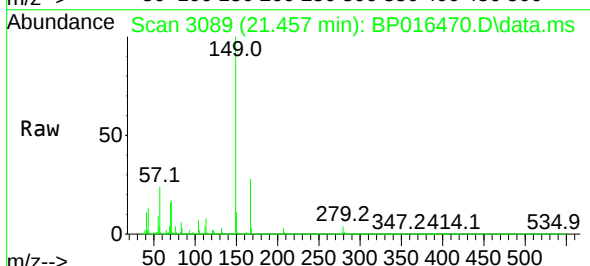
Tgt Ion:228 Resp: 567893
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 19.9 16.0 24.0

Manual Integrations
APPROVED

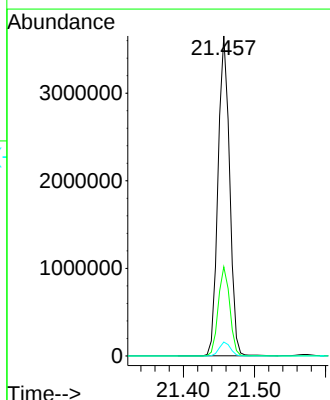
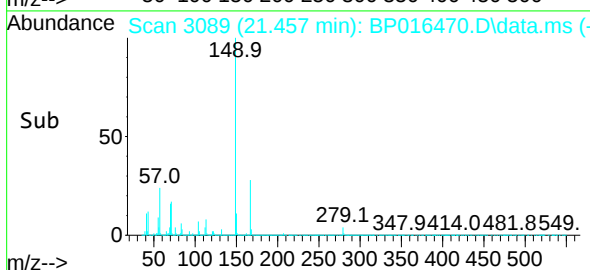
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

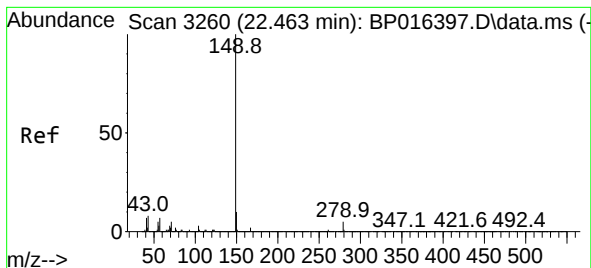


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.971 ng
RT: 21.457 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion:149 Resp: 4102120
Ion Ratio Lower Upper
149 100
167 27.8 22.5 33.7
279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 50.352 ng

RT: 22.451 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion:149 Resp: 643641

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

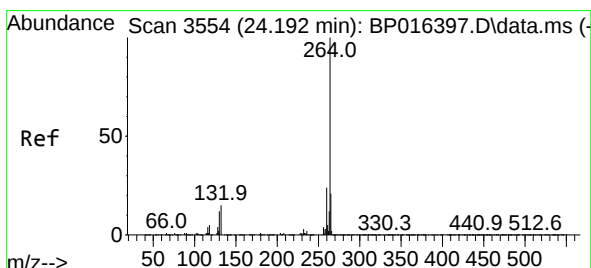
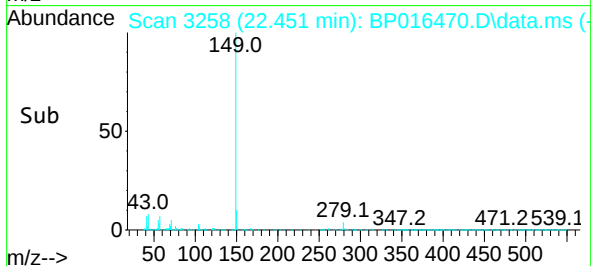
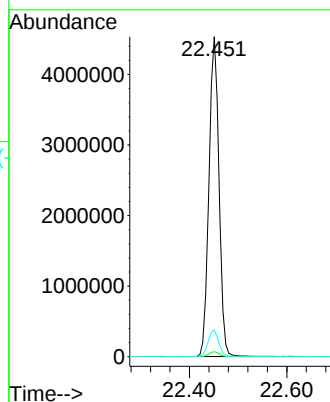
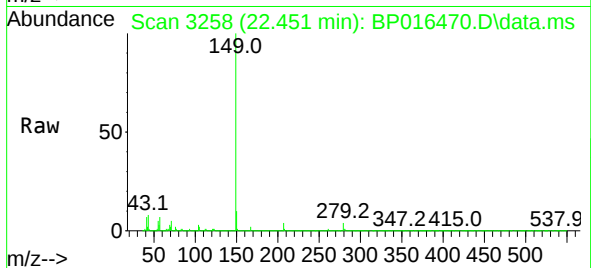
43 8.6 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.186 min Scan# 3553

Delta R.T. -0.006 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

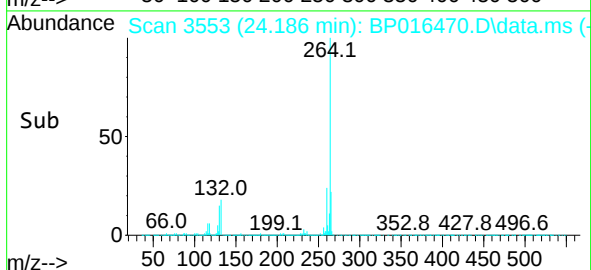
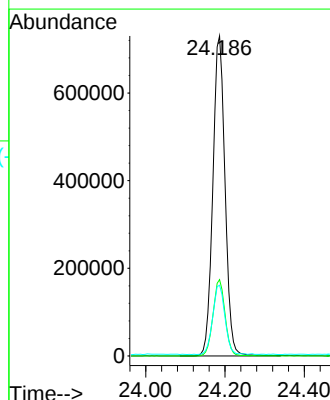
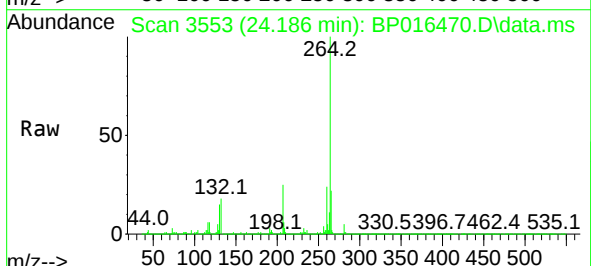
Tgt Ion:264 Resp: 1555352

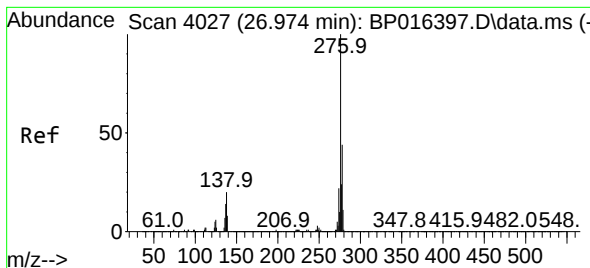
Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.787 ng

RT: 26.957 min Scan# 4024

Delta R.T. -0.018 min

Lab File: BP016470.D

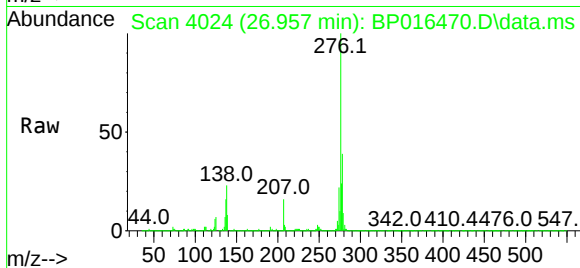
Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD



Tgt Ion: 276 Resp: 4381790

Ion Ratio Lower Upper

276 100

138 26.4 18.4 27.6

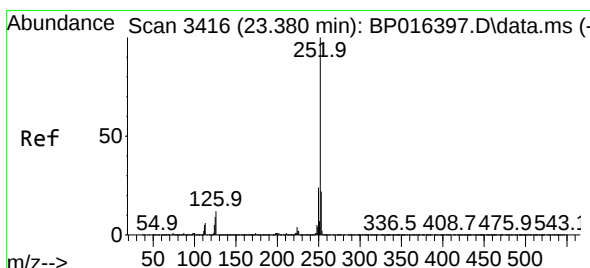
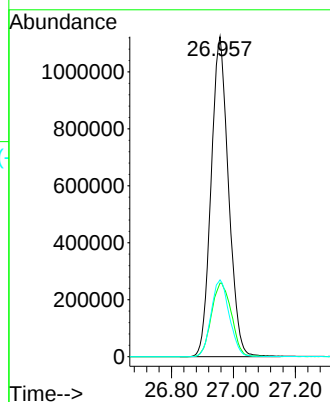
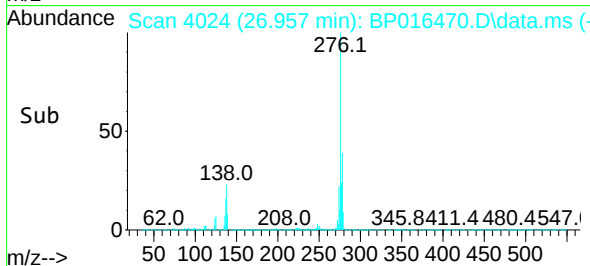
277 25.2 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#88

Benzo(b)fluoranthene

Concen: 56.673 ng

RT: 23.380 min Scan# 3416

Delta R.T. 0.000 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

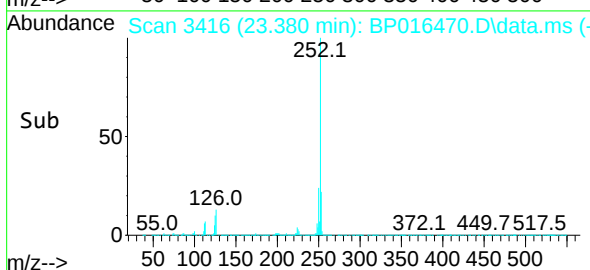
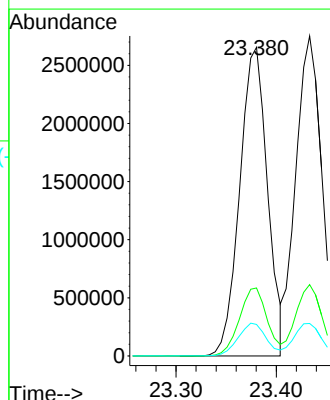
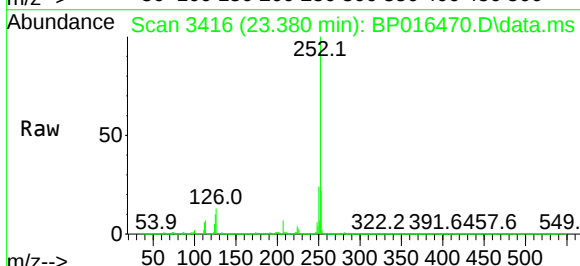
Tgt Ion: 252 Resp: 5109561

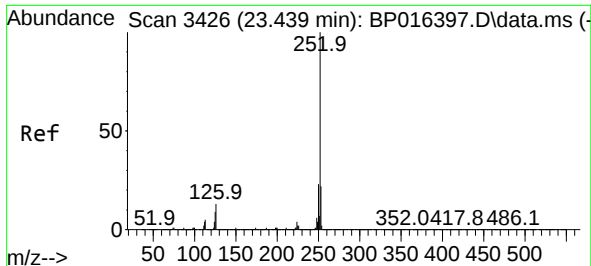
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

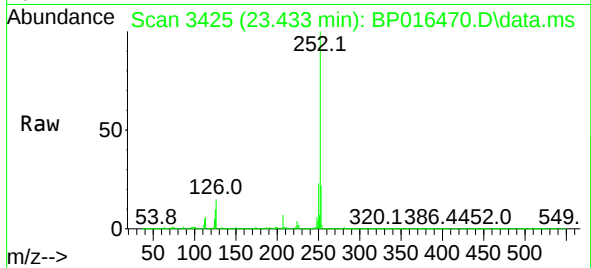
125 10.2 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 54.332 ng
RT: 23.433 min Scan# 3426
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49

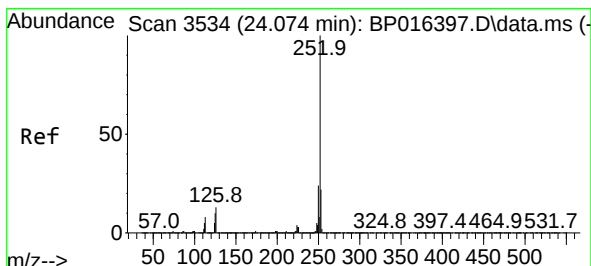
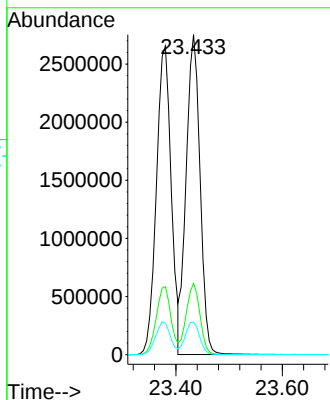
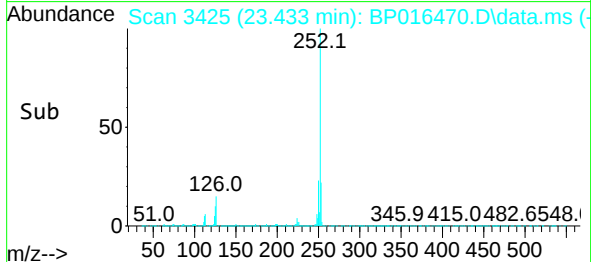
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MSD



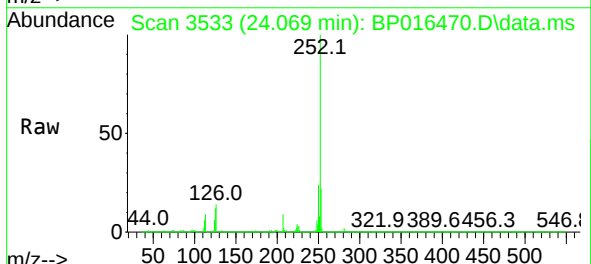
Tgt Ion:252 Resp: 4981809
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.2 7.1 10.7

Manual Integrations
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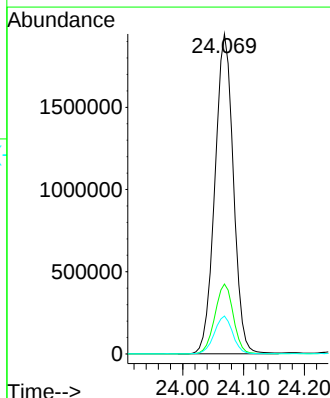
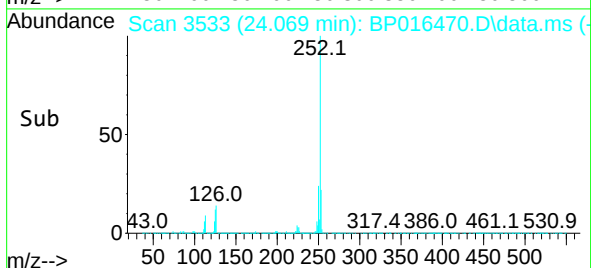
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

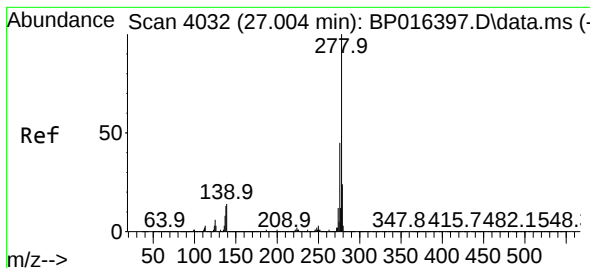


#90
Benzo(a)pyrene
Concen: 46.873 ng
RT: 24.069 min Scan# 3533
Delta R.T. -0.006 min
Lab File: BP016470.D
Acq: 02 Aug 2023 15:49



Tgt Ion:252 Resp: 4093295
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 11.9 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 41.501 ng

RT: 26.986 min Scan# 4032

Delta R.T. -0.018 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MSD

Tgt Ion:278 Resp: 3629124

Ion Ratio Lower Upper

278 100

139 16.6 11.6 17.4

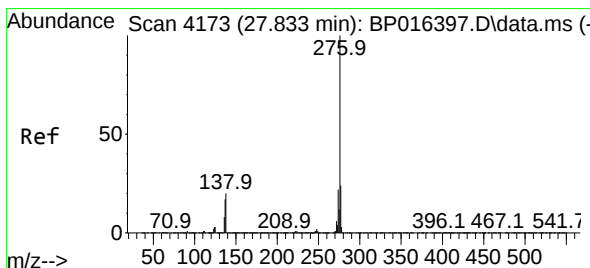
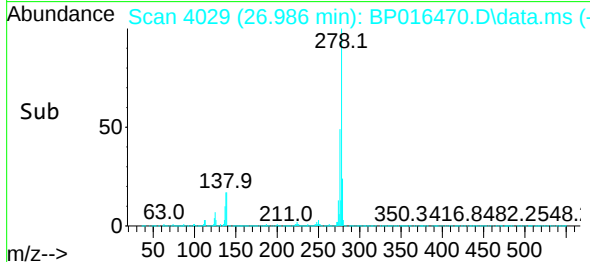
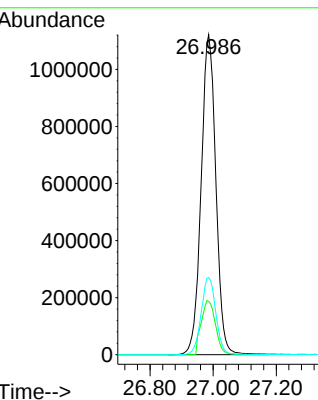
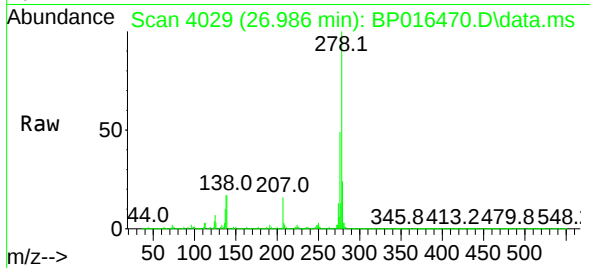
279 24.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#92

Benzo(g,h,i)perylene

Concen: 42.039 ng

RT: 27.821 min Scan# 4171

Delta R.T. -0.012 min

Lab File: BP016470.D

Acq: 02 Aug 2023 15:49

Tgt Ion:276 Resp: 3542657

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 22.9 16.1 24.1

