

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080223\
 Data File : BP016469.D
 Acq On : 02 Aug 2023 15:15
 Operator : MA/JU
 Sample : 03849-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GROVE-SOIL-0731MS

Manual Integrations
 APPROVED

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

Quant Time: Aug 02 21:44:46 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.075	152	422057	20.000	ng	-0.02
21) Naphthalene-d8	10.910	136	1782302	20.000	ng	-0.02
39) Acenaphthene-d10	14.722	164	1091334	20.000	ng	-0.01
64) Phenanthrene-d10	17.492	188	2312233	20.000	ng	0.00
76) Chrysene-d12	21.586	240	1598434	20.000	ng	# 0.00
86) Perylene-d12	24.180	264	1269680	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	3251514	125.684	ng	-0.01
7) Phenol-d6	7.217	99	4071802	114.827	ng	-0.01
23) Nitrobenzene-d5	9.275	82	2714304	85.251	ng	-0.02
42) 2,4,6-Tribromophenol	16.222	330	1766195	110.008	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	6110528	80.273	ng	-0.01
79) Terphenyl-d14	20.039	244	8472521	111.969	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.452	88	390492	38.701	ng	# 66
3) Pyridine	3.870	79	995600	33.010	ng	99
4) n-Nitrosodimethylamine	3.787	42	487040	42.829	ng	97
6) Aniline	7.411	93	1246926	28.469	ng	99
8) 2-Chlorophenol	7.628	128	1300460	47.943	ng	97
9) Benzaldehyde	7.222	77	550049	30.816	ng	97
10) Phenol	7.246	94	1533994	44.546	ng	100
11) bis(2-Chloroethyl)ether	7.505	93	1247610	44.569	ng	98
12) 1,3-Dichlorobenzene	7.958	146	1287191	44.204	ng	98
13) 1,4-Dichlorobenzene	8.111	146	1310827	44.377	ng	99
14) 1,2-Dichlorobenzene	8.428	146	1268341	44.596	ng	98
15) Benzyl Alcohol	8.328	79	1213225	50.079	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.611	45	1457166	45.901	ng	99
17) 2-Methylphenol	8.511	107	1133966	45.692	ng	99
18) Hexachloroethane	9.152	117	477618	45.331	ng	94
19) n-Nitroso-di-n-propyla...	8.899	70	1018682	45.856	ng	98
20) 3+4-Methylphenols	8.846	107	1543273	45.787	ng	98
22) Acetophenone	8.922	105	1983479	44.077	ng	100
24) Nitrobenzene	9.316	77	1445657	44.207	ng	97
25) Isophorone	9.828	82	2889687	44.954	ng	98
26) 2-Nitrophenol	10.022	139	650536	46.275	ng	97
27) 2,4-Dimethylphenol	10.058	122	1268117	44.097	ng	99
28) bis(2-Chloroethoxy)met...	10.322	93	1789316	45.444	ng	99
29) 2,4-Dichlorophenol	10.540	162	1298167	48.235	ng	97
30) 1,2,4-Trichlorobenzene	10.758	180	1212121	41.582	ng	98
31) Naphthalene	10.958	128	3884830	41.671	ng	99
32) Benzoic acid	10.152	122	223413	16.576	ng	98
33) 4-Chloroaniline	11.087	127	443921	10.556	ng	99
34) Hexachlorobutadiene	11.199	225	669890	38.815	ng	99
35) Caprolactam	11.910	113	374850m	38.117	ng	
36) 4-Chloro-3-methylphenol	12.181	107	1446696	48.358	ng	100
37) 2-Methylnaphthalene	12.557	142	2759495	40.745	ng	99
38) 1-Methylnaphthalene	12.775	142	2648432	41.711	ng	99
40) 1,2,4,5-Tetrachloroben...	12.904	216	1378870	41.577	ng	99
41) Hexachlorocyclopentadiene	12.863	237	1528948	91.792	ng	98
43) 2,4,6-Trichlorophenol	13.152	196	1028666	48.340	ng	100

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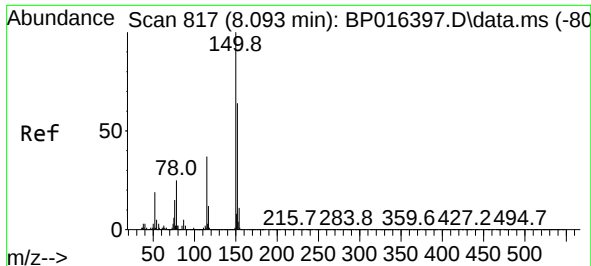
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 Supervised By :mohammad ahmed 08/03/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.222	196	1140073	44.159	ng	97
46) 1,1'-Biphenyl	13.563	154	3659514	43.990	ng	100
47) 2-Chloronaphthalene	13.610	162	2813842	44.834	ng	99
48) 2-Nitroaniline	13.834	65	909722	51.422	ng	99
49) Acenaphthylene	14.457	152	4723866	45.363	ng	99
50) Dimethylphthalate	14.187	163	3955946	46.517	ng	99
51) 2,6-Dinitrotoluene	14.322	165	822589	47.215	ng	92
52) Acenaphthene	14.793	154	2724276	43.994	ng	99
53) 3-Nitroaniline	14.657	138	595714	30.244	ng	95
54) 2,4-Dinitrophenol	14.851	184	444449	57.078	ng	93
55) Dibenzofuran	15.128	168	4384886	43.175	ng	99
56) 4-Nitrophenol	14.940	139	1370266	88.871	ng	97
57) 2,4-Dinitrotoluene	15.104	165	1104789	48.657	ng	95
58) Fluorene	15.775	166	3468818	43.475	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.340	232	949964	44.730	ng	93
60) Diethylphthalate	15.540	149	3745136	44.313	ng	98
61) 4-Chlorophenyl-phenyle...	15.769	204	1703391	42.306	ng	99
62) 4-Nitroaniline	15.828	138	858001	43.893	ng	99
63) Azobenzene	16.063	77	3673852	46.038	ng	96
65) 4,6-Dinitro-2-methylph...	15.851	198	397690	38.211	ng	93
66) n-Nitrosodiphenylamine	15.993	169	3137091	46.037	ng	99
67) 4-Bromophenyl-phenylether	16.669	248	1071017	43.744	ng	95
68) Hexachlorobenzene	16.751	284	1222302	44.767	ng	94
69) Atrazine	16.945	200	1093188	53.943	ng	100
70) Pentachlorophenol	17.110	266	1329964	70.388	ng	95
71) Phenanthrene	17.534	178	5479517	44.629	ng	100
72) Anthracene	17.628	178	5522760	44.734	ng	100
73) Carbazole	17.904	167	5164028	44.614	ng	99
74) Di-n-butylphthalate	18.422	149	6278588	46.886	ng	99
75) Fluoranthene	19.492	202	5975487	41.523	ng	98
77) Benzidine	19.686	184	1791399	64.641	ng	99
78) Pyrene	19.851	202	6108363	57.007	ng	100
80) Butylbenzylphthalate	20.710	149	2469362	58.661	ng	96
81) Benzo(a)anthracene	21.569	228	4933982	46.006	ng	99
82) 3,3'-Dichlorobenzidine	21.504	252	912349	25.915	ng	# 98
83) Chrysene	21.628	228	4522063	44.155	ng	100
84) Bis(2-ethylhexyl)phtha...	21.457	149	3218126	50.920	ng	99
85) Di-n-octyl phthalate	22.451	149	4519503	42.520	ng	99
87) Indeno(1,2,3-cd)pyrene	26.951	276	4365702	51.001	ng	96
88) Benzo(b)fluoranthene	23.374	252	3842636	52.210	ng	99
89) Benzo(k)fluoranthene	23.374	252	3842636	51.337	ng	99
90) Benzo(a)pyrene	24.069	252	3125866	43.848	ng	98
91) Dibenzo(a,h)anthracene	26.986	278	3610015	50.571	ng	97
92) Benzo(g,h,i)perylene	27.821	276	3637444	52.876	ng	97

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



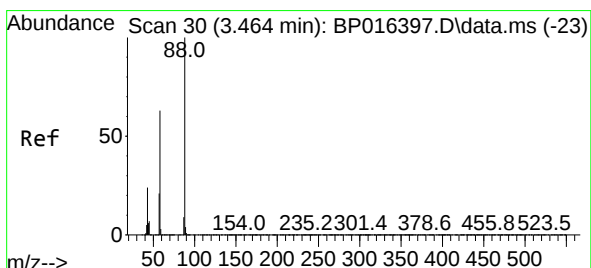
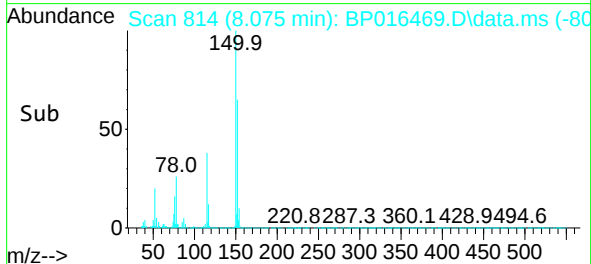
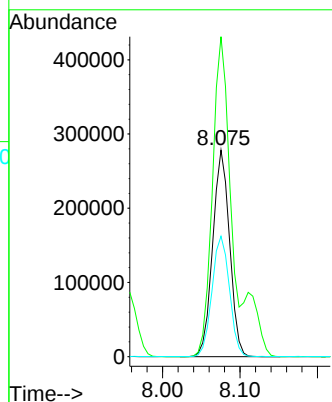
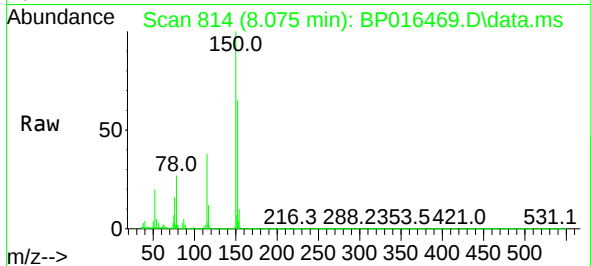
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.075 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP016469.D
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Tgt Ion:152 Resp: 42205
Ion Ratio Lower Upper
152 100
150 154.9 124.9 187.3
115 58.3 46.8 70.2

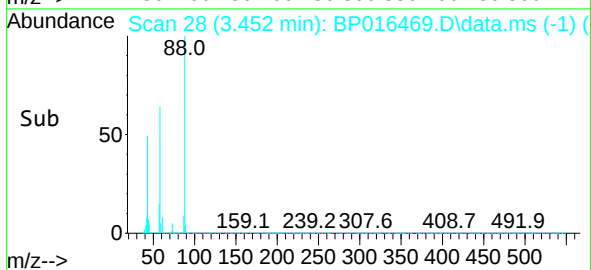
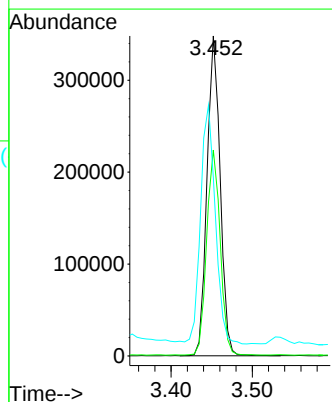
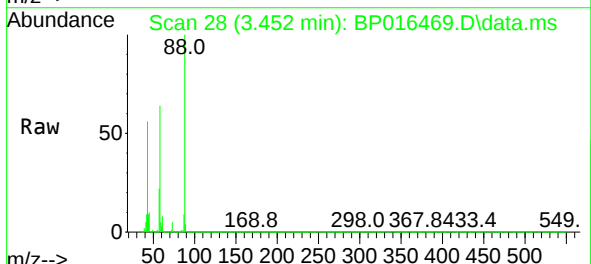
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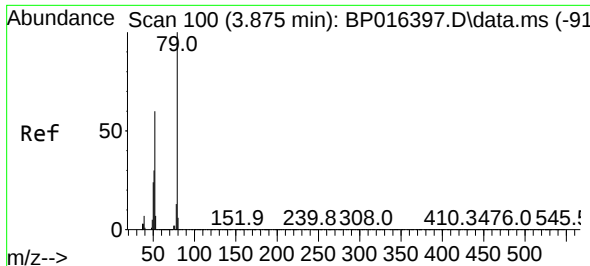
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#2
1,4-Dioxane
Concen: 38.701 ng
RT: 3.452 min Scan# 28
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

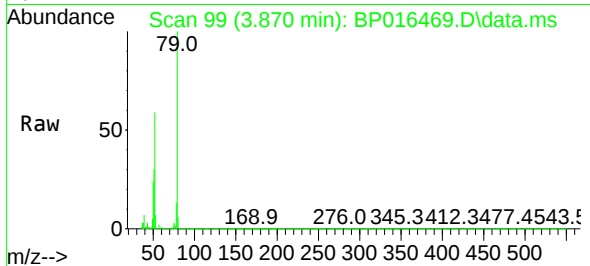
Tgt Ion: 88 Resp: 390492
Ion Ratio Lower Upper
88 100
58 65.9 51.7 77.5
43 83.9 19.2 28.8





#3
 Pyridine
 Concen: 33.010 ng
 RT: 3.870 min Scan# 99
 Delta R.T. -0.006 min
 Lab File: BP016469.D
 Acq: 02 Aug 2023 15:15

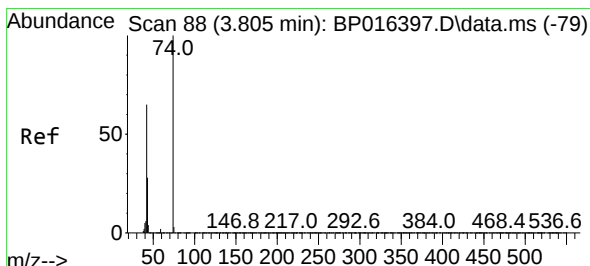
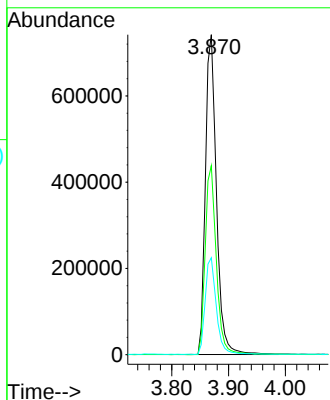
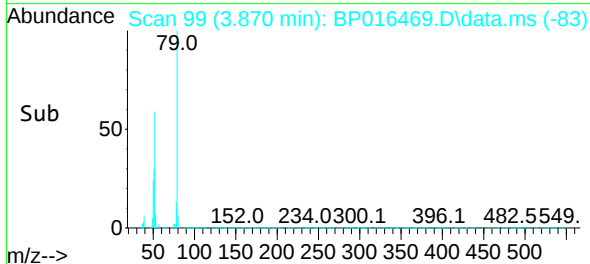
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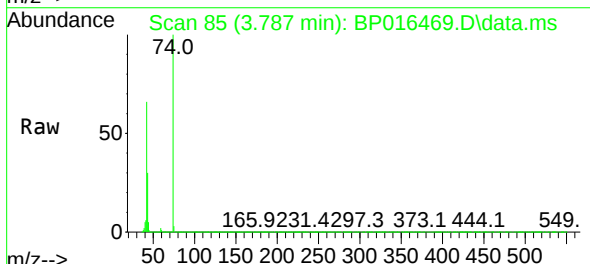
Tgt Ion: 79 Resp: 995600
 Ion Ratio Lower Upper
 79 100
 52 59.1 47.9 71.9
 51 30.3 24.4 36.6

Manual Integrations
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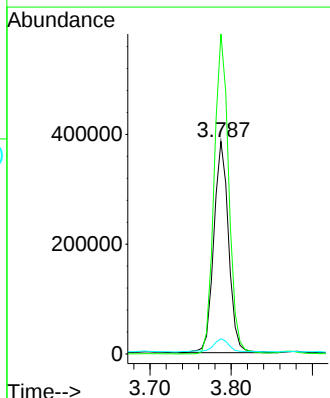
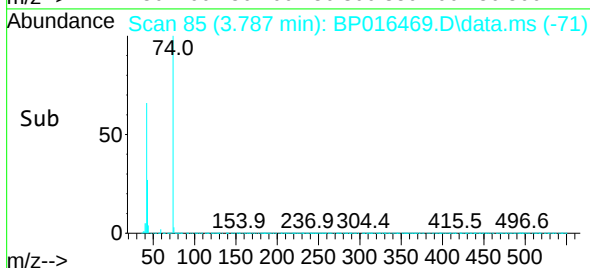
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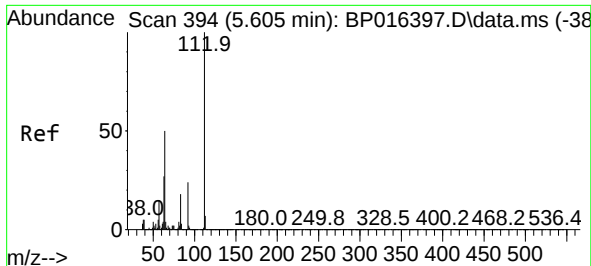


#4
 n-Nitrosodimethylamine
 Concen: 42.829 ng
 RT: 3.787 min Scan# 85
 Delta R.T. -0.018 min
 Lab File: BP016469.D
 Acq: 02 Aug 2023 15:15



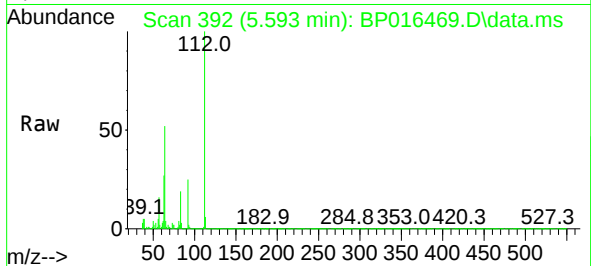
Tgt Ion: 42 Resp: 487040
 Ion Ratio Lower Upper
 42 100
 74 150.6 123.8 185.8
 44 7.2 5.5 8.3





#5
2-Fluorophenol
Concen: 125.684 ng
RT: 5.593 min Scan# 394
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

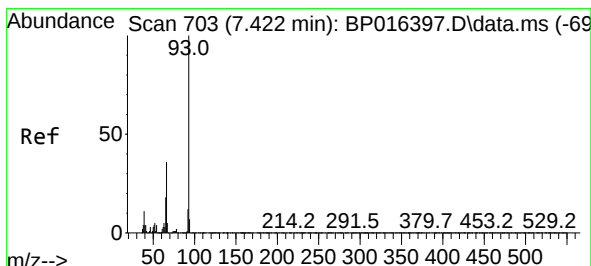
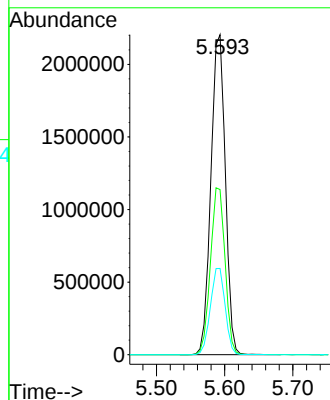
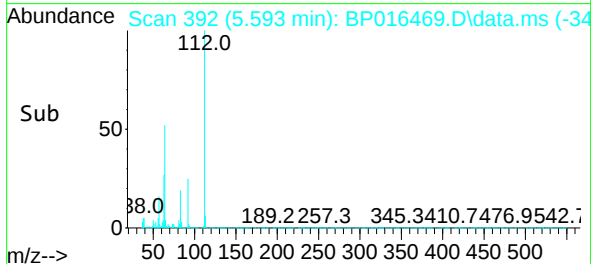
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Tgt Ion: 112 Resp: 3251514
Ion Ratio Lower Upper
112 100
64 51.6 40.0 60.0
63 27.0 21.2 31.8

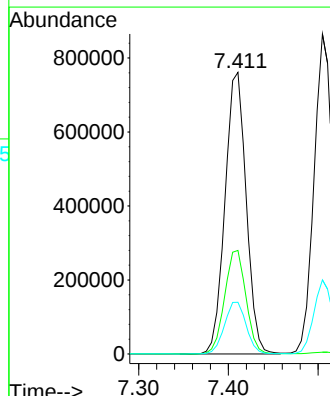
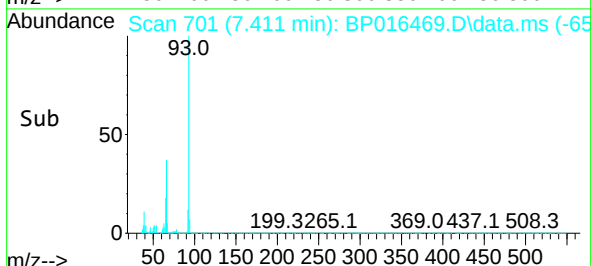
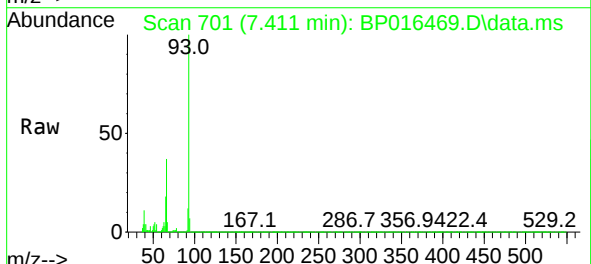
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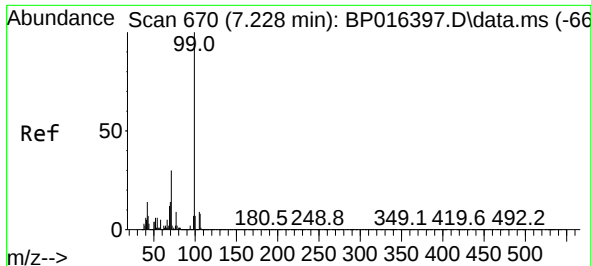
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#6
Aniline
Concen: 28.469 ng
RT: 7.411 min Scan# 701
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

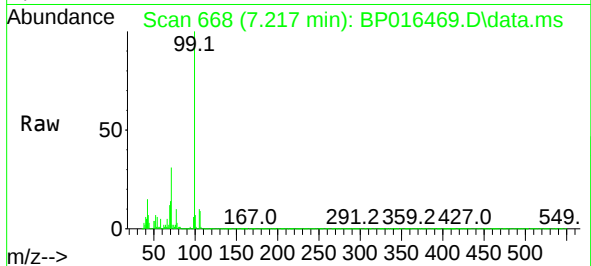
Tgt Ion: 93 Resp: 1246926
Ion Ratio Lower Upper
93 100
66 36.8 28.9 43.3
65 18.4 14.7 22.1





#7
Phenol-d6
Concen: 114.827 ng
RT: 7.217 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

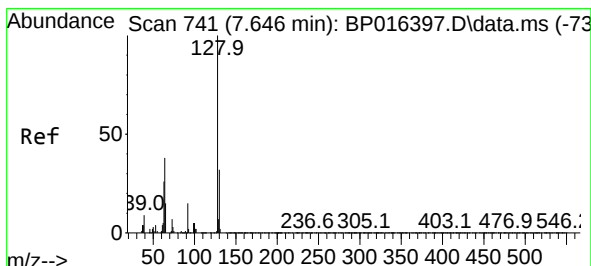
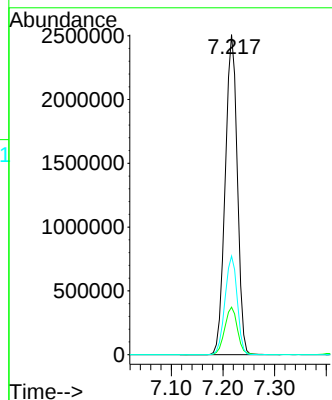
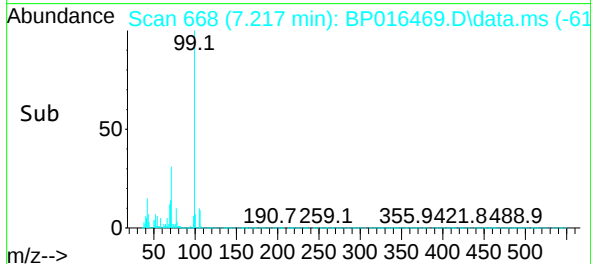
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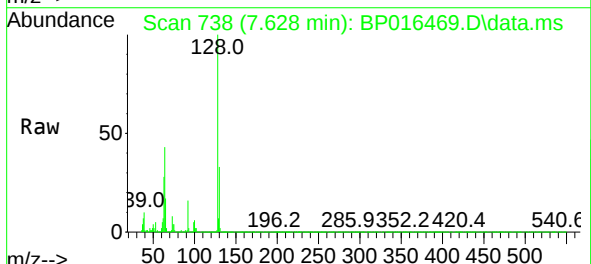
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Ion Ratio Lower Upper
99 100
42 14.8 11.6 17.4
71 30.8 24.3 36.5

Manual Integrations
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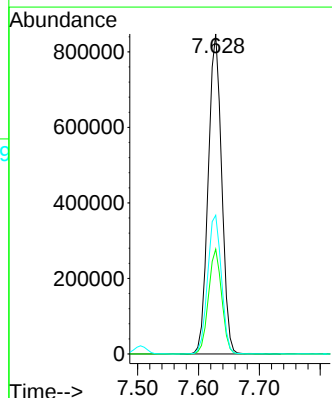
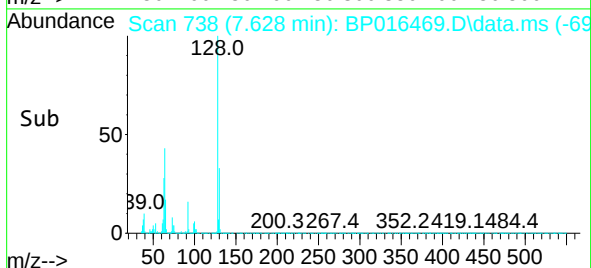
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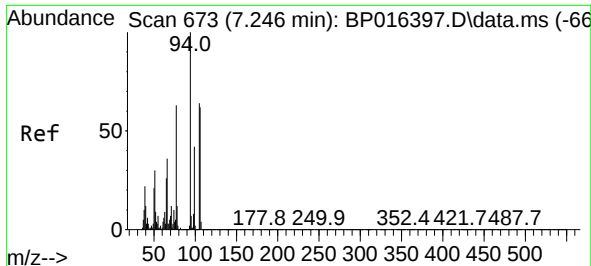


#8
2-Chlorophenol
Concen: 47.943 ng
RT: 7.628 min Scan# 738
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



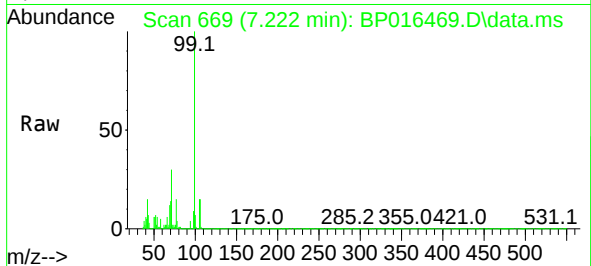
Tgt Ion:128 Resp: 1300460
Ion Ratio Lower Upper
128 100
130 32.8 11.6 51.6
64 43.4 20.6 60.6





#9
Benzaldehyde
Concen: 30.816 ng
RT: 7.222 min Scan# 60
Delta R.T. -0.024 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

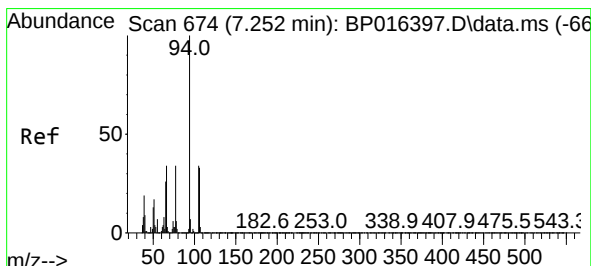
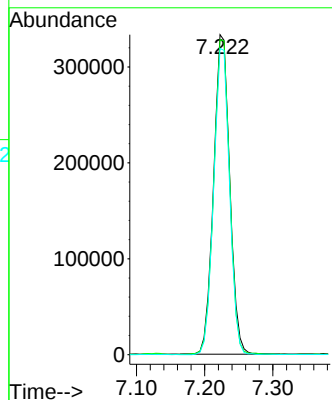
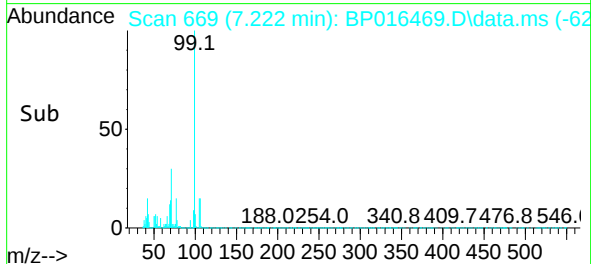
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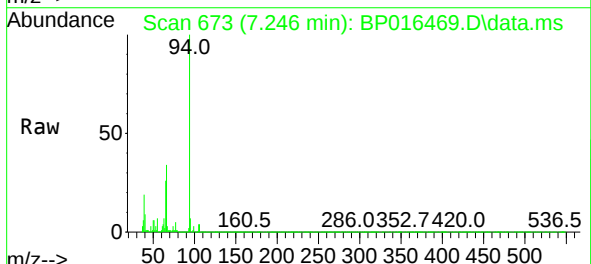
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Ion Ratio Lower Upper
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Manual Integrations
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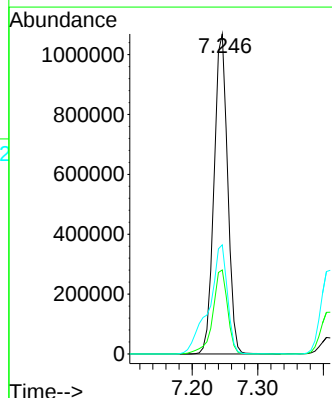
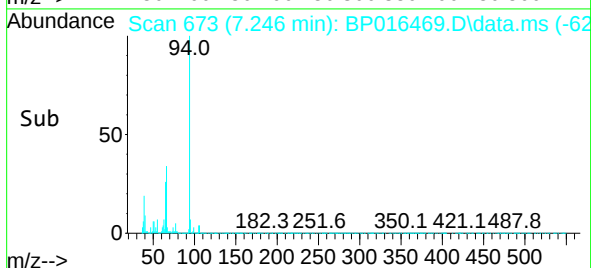
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

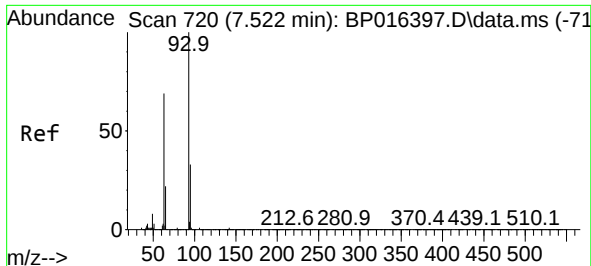


#10
Phenol
Concen: 44.546 ng
RT: 7.246 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



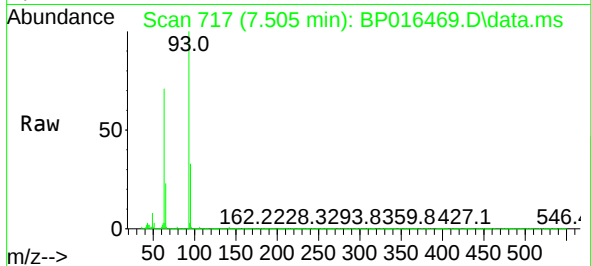
Tgt Ion: 94 Resp: 1533994
Ion Ratio Lower Upper
94 100
65 26.2 5.9 45.9
66 34.1 14.3 54.3





#11
bis(2-Chloroethyl)ether
Concen: 44.569 ng
RT: 7.505 min Scan# 717
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

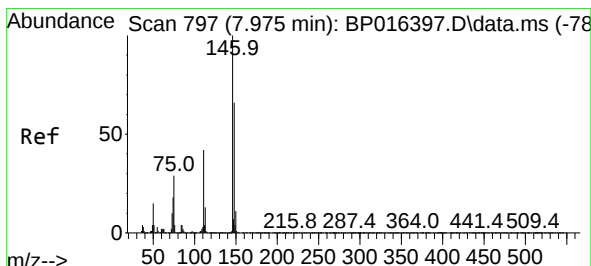
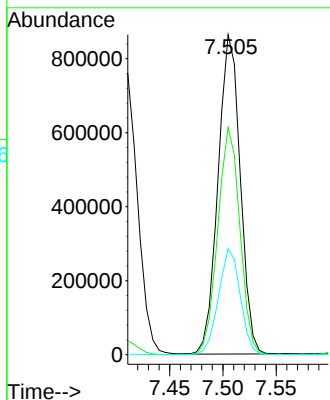
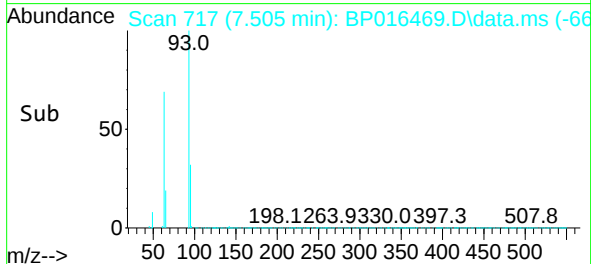
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



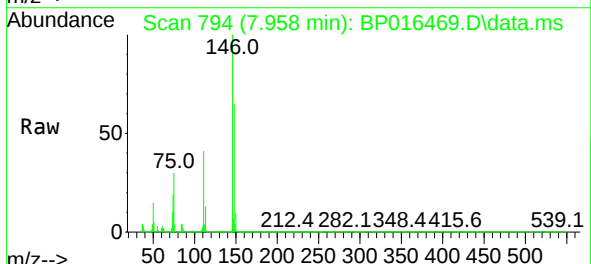
Tgt Ion: 93 Resp: 1247610
Ion Ratio Lower Upper
93 100
63 71.1 49.4 89.4
95 33.1 12.9 52.9

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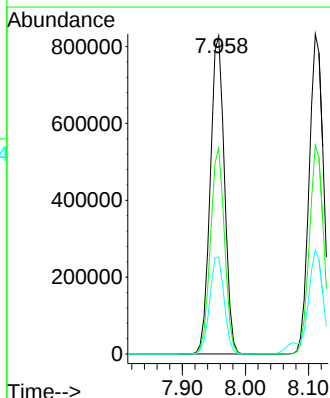
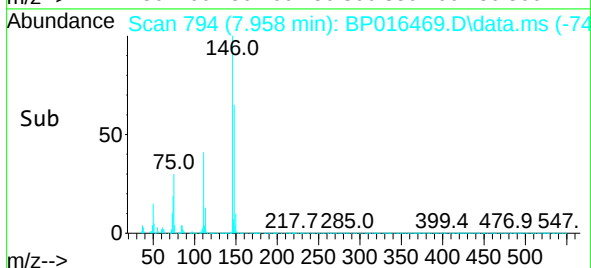
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

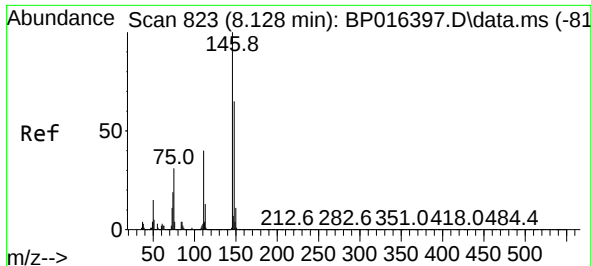


#12
1,3-Dichlorobenzene
Concen: 44.204 ng
RT: 7.958 min Scan# 794
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion:146 Resp: 1287191
Ion Ratio Lower Upper
146 100
148 64.8 53.0 79.4
75 30.5 23.4 35.2





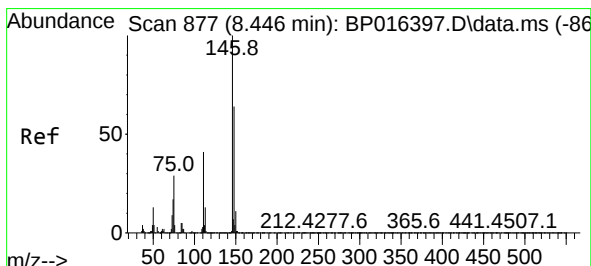
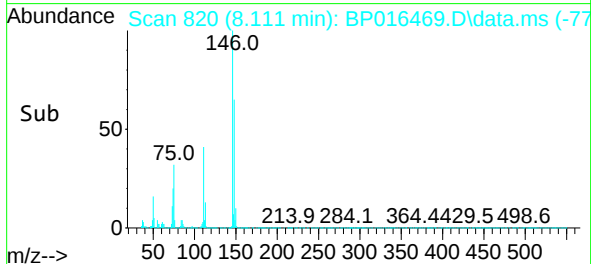
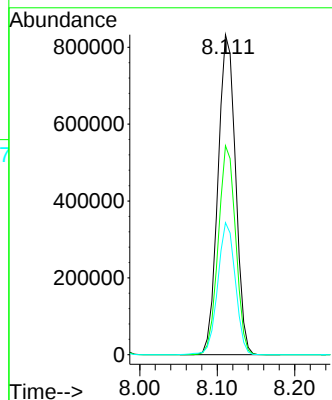
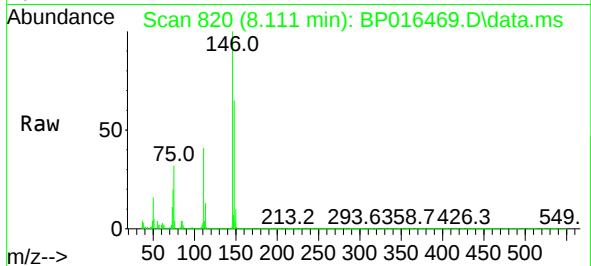
#13
1,4-Dichlorobenzene
Concen: 44.377 ng
RT: 8.111 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS

Tgt Ion:146 Resp: 131082
Ion Ratio Lower Upper
146 100
148 65.3 51.7 77.5
111 41.3 32.0 48.0

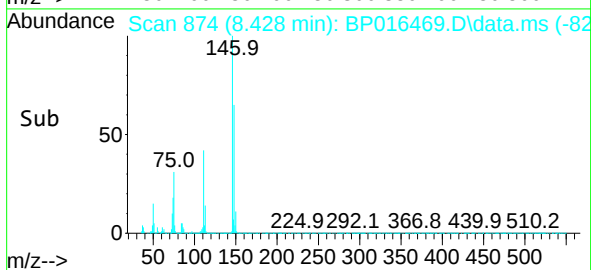
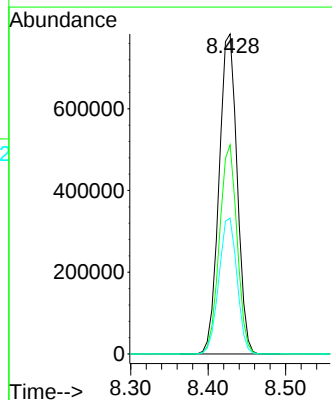
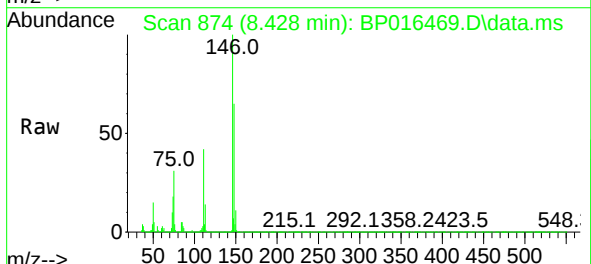
Manual Integrations
APPROVED

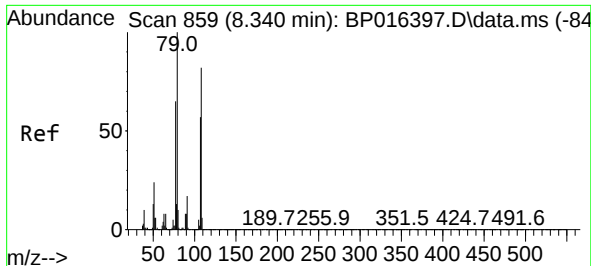
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#14
1,2-Dichlorobenzene
Concen: 44.596 ng
RT: 8.428 min Scan# 874
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

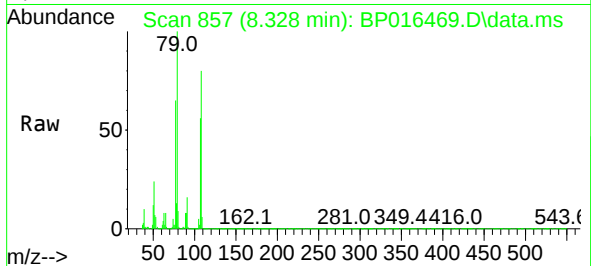
Tgt Ion:146 Resp: 1268341
Ion Ratio Lower Upper
146 100
148 65.4 51.0 76.6
111 42.4 32.6 49.0





#15
Benzyl Alcohol
Concen: 50.079 ng
RT: 8.328 min Scan# 859
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

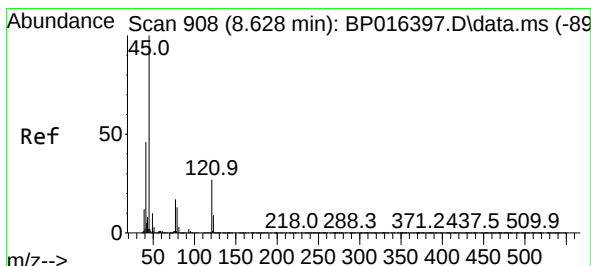
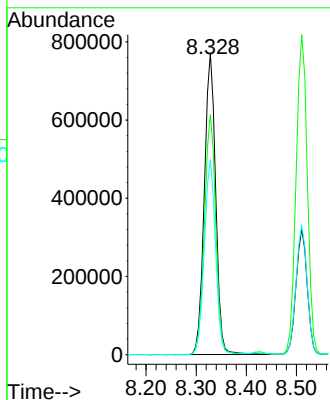
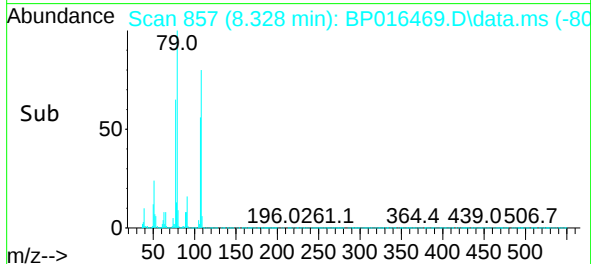
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



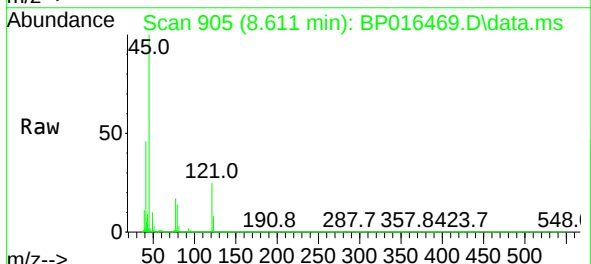
Tgt Ion: 79 Resp: 121322
Ion Ratio Lower Upper
79 100
108 79.6 65.4 98.2
77 64.6 51.8 77.8

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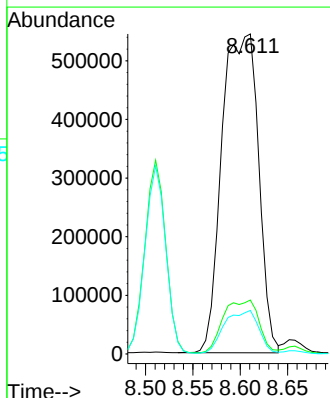
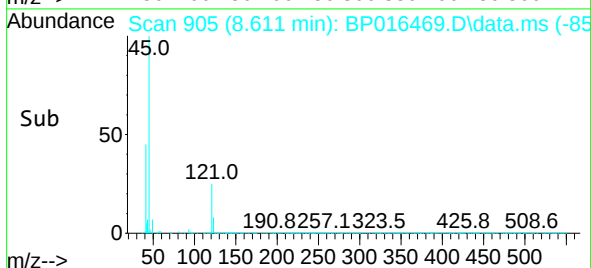
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

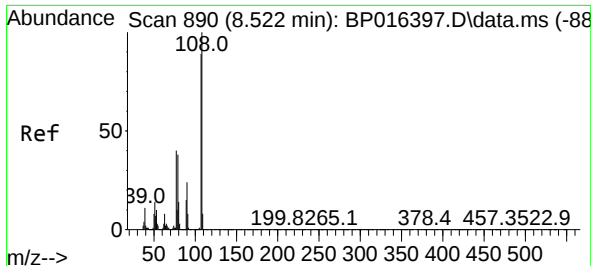


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.901 ng
RT: 8.611 min Scan# 905
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



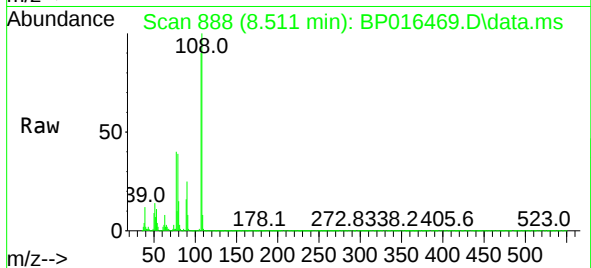
Tgt Ion: 45 Resp: 1457166
Ion Ratio Lower Upper
45 100
77 16.9 0.0 37.3
79 13.6 0.0 33.3





#17
2-Methylphenol
Concen: 45.692 ng
RT: 8.511 min Scan# 811
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS

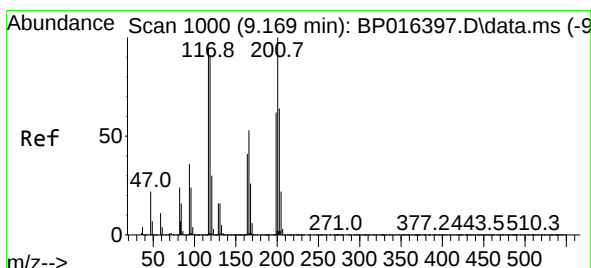
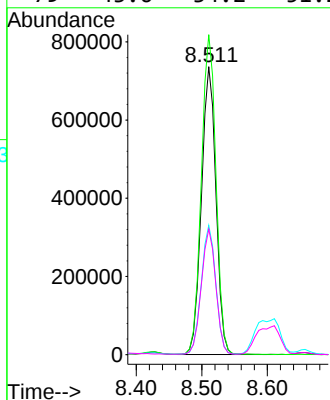
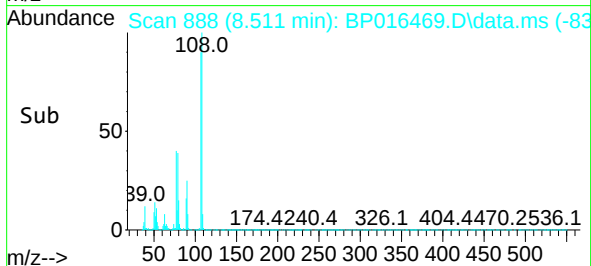


Tgt Ion:107 Resp: 113396

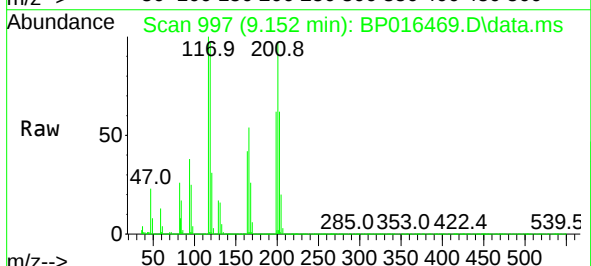
Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.6	134.4
77	44.9	35.6	53.4
79	43.6	34.2	51.2

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

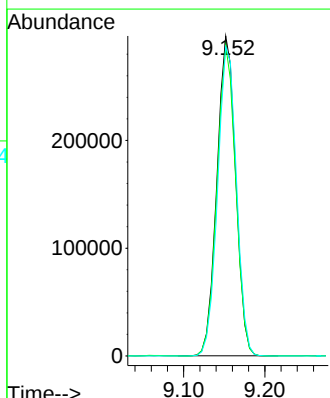
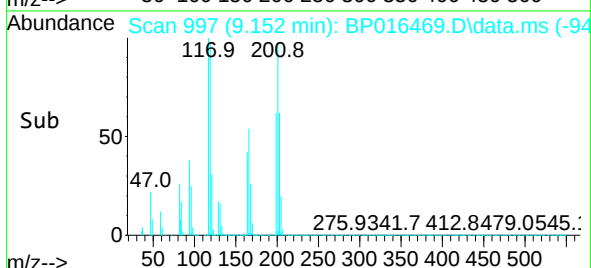


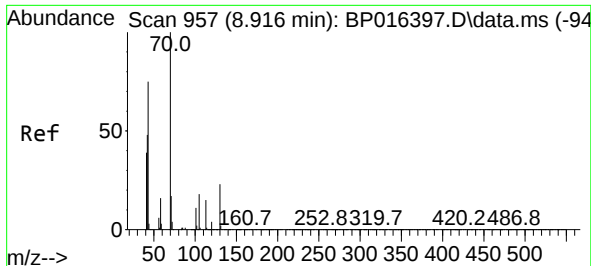
#18
Hexachloroethane
Concen: 45.331 ng
RT: 9.152 min Scan# 997
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion:117 Resp: 477618

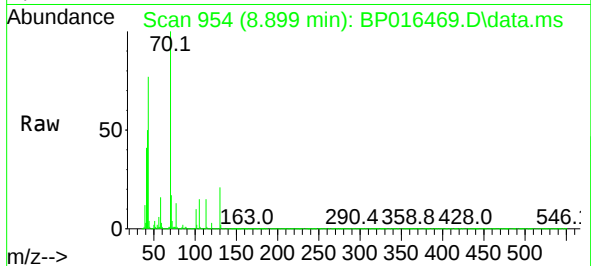
Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.9	115.3
201	96.6	86.2	129.4





#19
n-Nitroso-di-n-propylamine
Concen: 45.856 ng
RT: 8.899 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

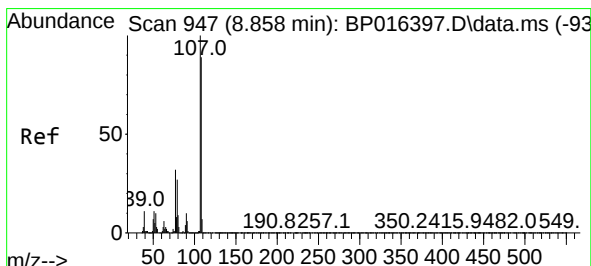
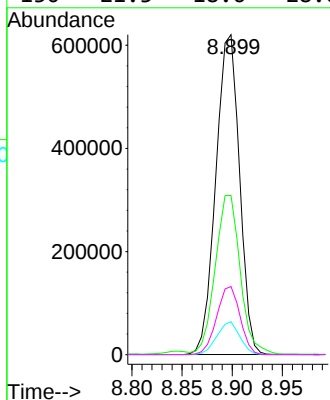
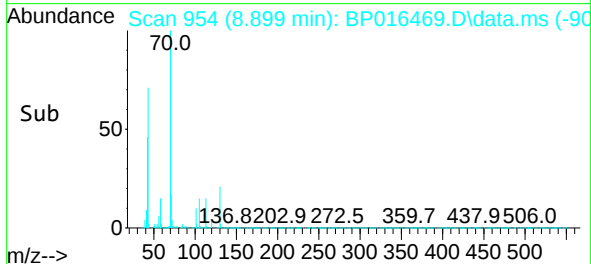
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



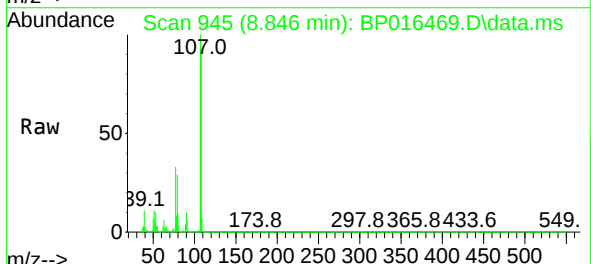
Tgt Ion: 70 Resp: 101868
Ion Ratio Lower Upper
70 100
42 49.7 39.3 58.9
101 10.3 8.6 12.8
130 21.3 18.6 28.0

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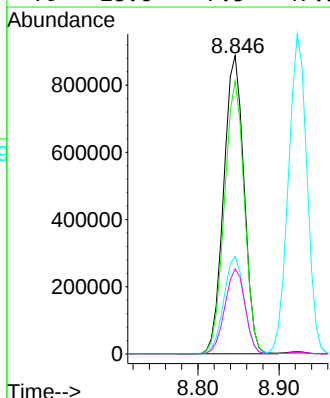
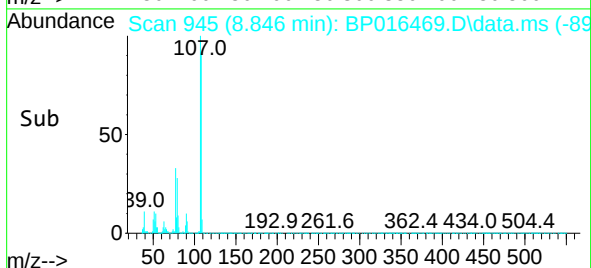
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

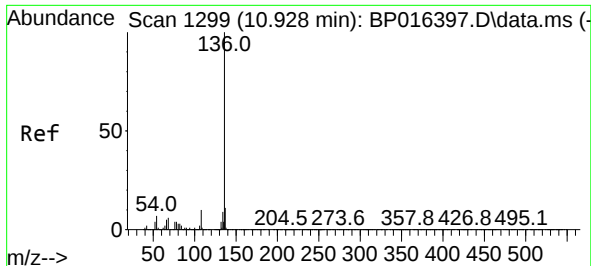


#20
3+4-Methylphenols
Concen: 45.787 ng
RT: 8.846 min Scan# 945
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



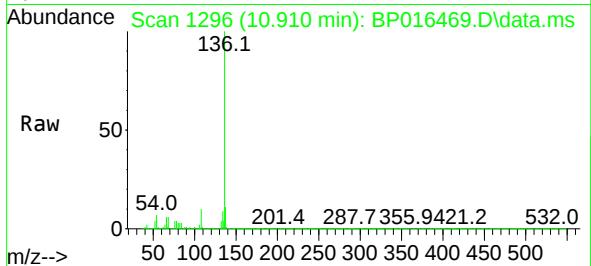
Tgt Ion:107 Resp: 1543273
Ion Ratio Lower Upper
107 100
108 91.5 69.1 109.1
77 32.7 12.0 52.0
79 28.6 7.5 47.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.910 min Scan# 1299
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS

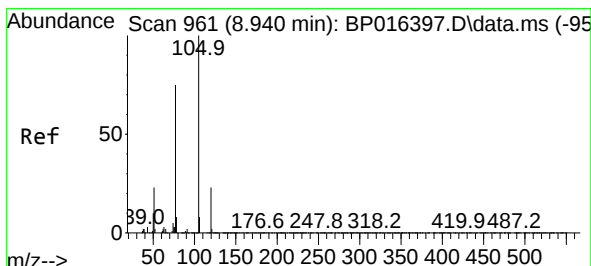
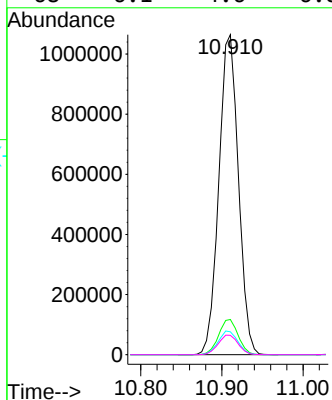
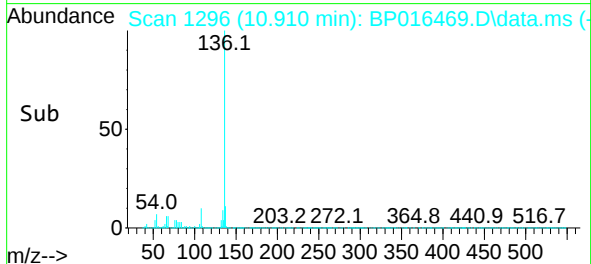


Tgt Ion:136 Resp: 1782302

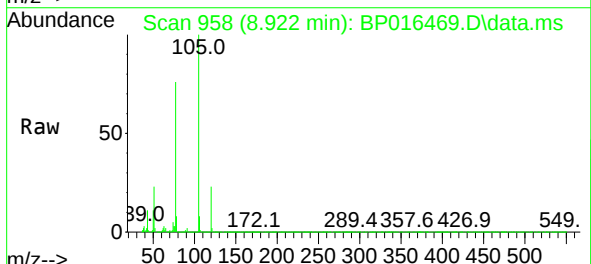
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.2	5.6	8.4
68	6.1	4.6	6.8

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

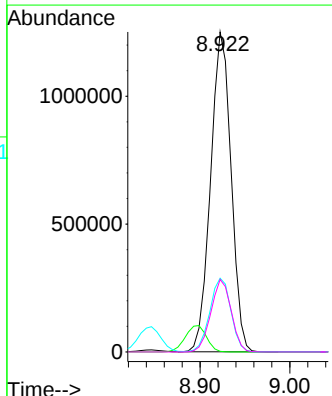
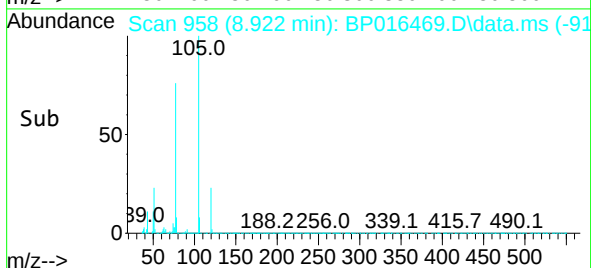


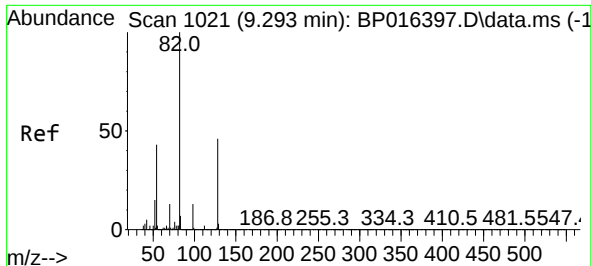
#22
Acetophenone
Concen: 44.077 ng
RT: 8.922 min Scan# 958
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion:105 Resp: 1983479

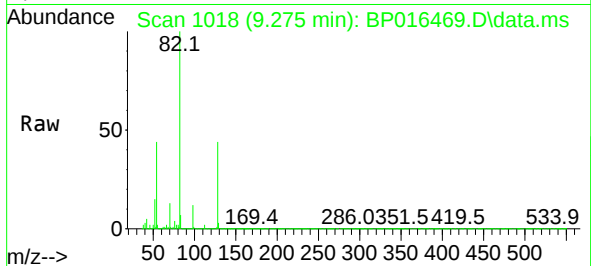
Ion	Ratio	Lower	Upper
105	100		
71	0.2	0.2	0.2
51	23.0	18.3	27.5
120	22.6	18.2	27.2





#23
Nitrobenzene-d5
Concen: 85.251 ng
RT: 9.275 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

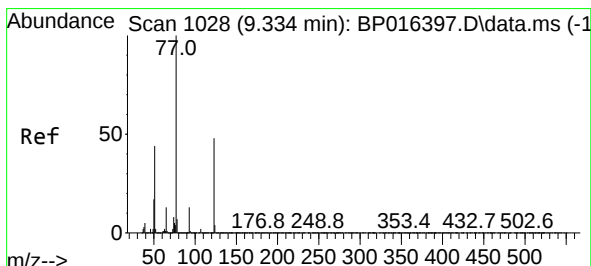
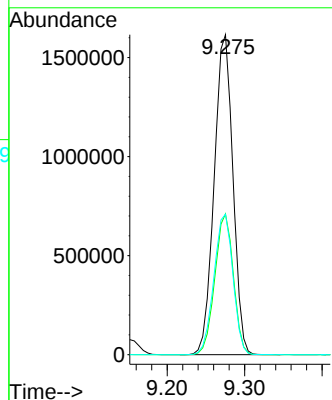
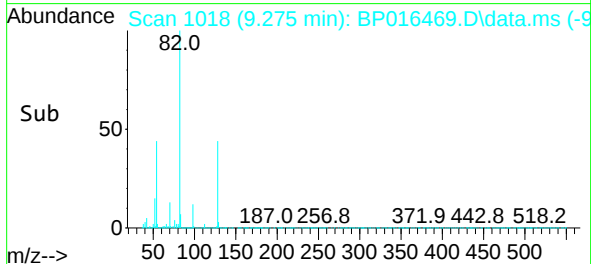
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



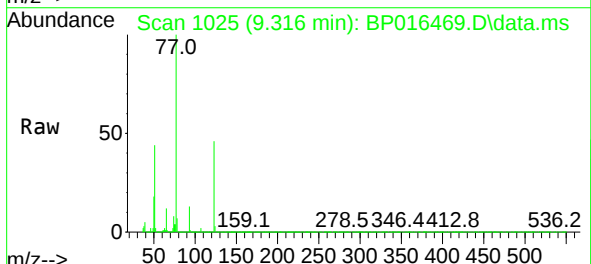
Tgt Ion: 82 Resp: 2714304
Ion Ratio Lower Upper
82 100
128 44.0 36.6 55.0
54 43.9 34.5 51.7

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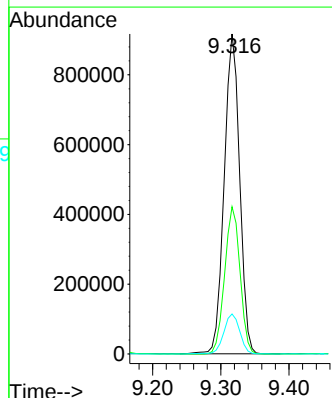
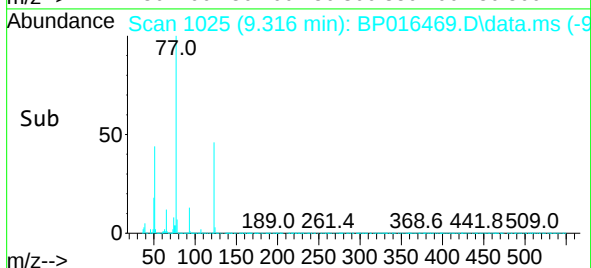
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

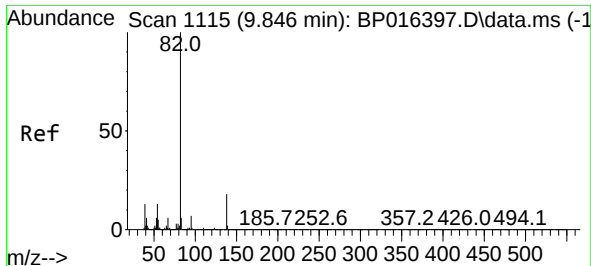


#24
Nitrobenzene
Concen: 44.207 ng
RT: 9.316 min Scan# 1025
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion: 77 Resp: 1445657
Ion Ratio Lower Upper
77 100
123 46.0 38.6 58.0
65 12.5 10.5 15.7





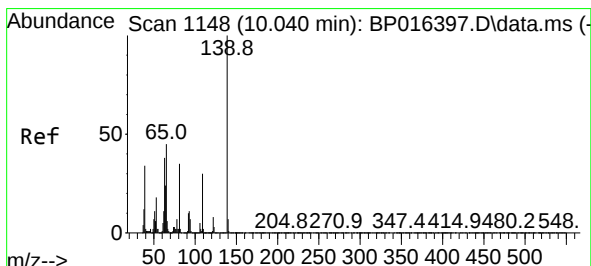
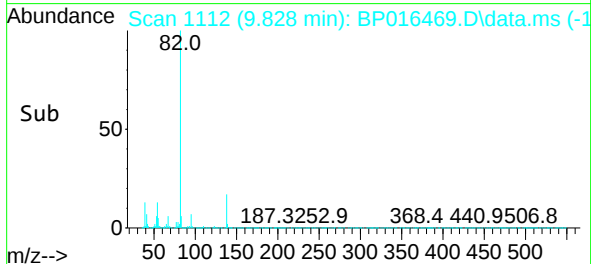
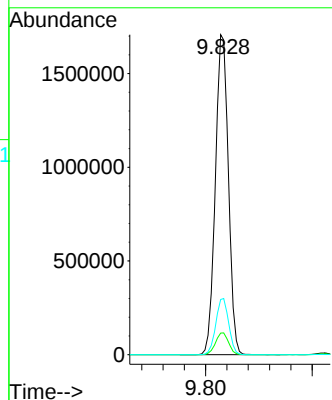
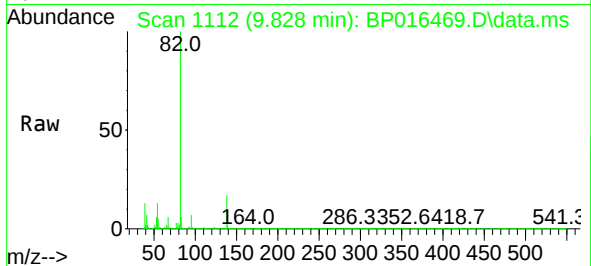
#25
Isophorone
Concen: 44.954 ng
RT: 9.828 min Scan# 1115
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS

Tgt Ion: 82 Resp: 288968
Ion Ratio Lower Upper
82 100
95 6.8 5.7 8.5
138 17.2 14.6 22.0

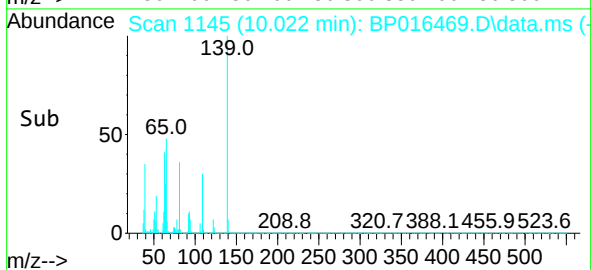
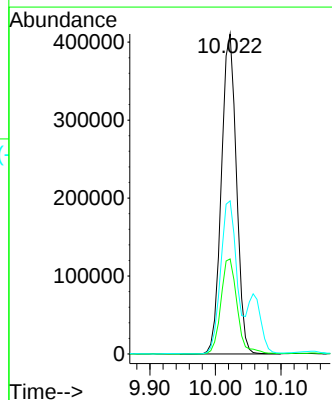
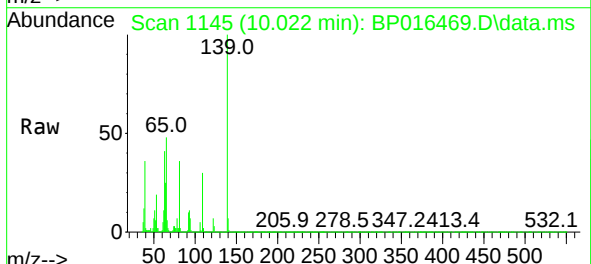
Manual Integrations
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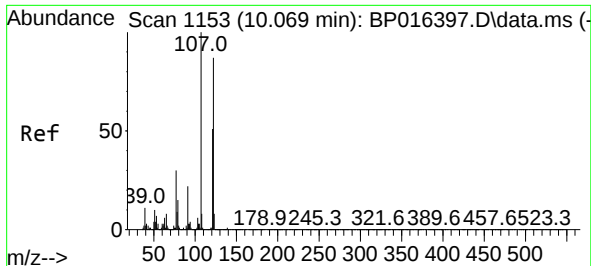
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#26
2-Nitrophenol
Concen: 46.275 ng
RT: 10.022 min Scan# 1145
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

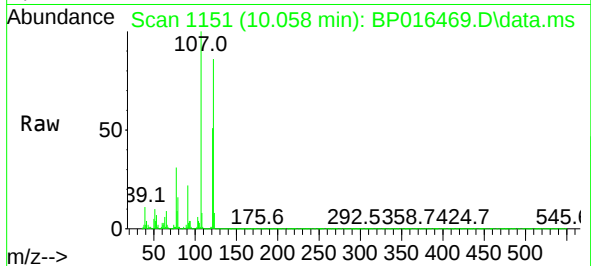
Tgt Ion:139 Resp: 650536
Ion Ratio Lower Upper
139 100
109 29.7 24.2 36.4
65 47.9 35.8 53.6





#27
2,4-Dimethylphenol
Concen: 44.097 ng
RT: 10.058 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

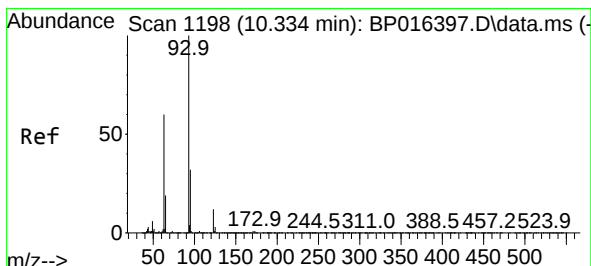
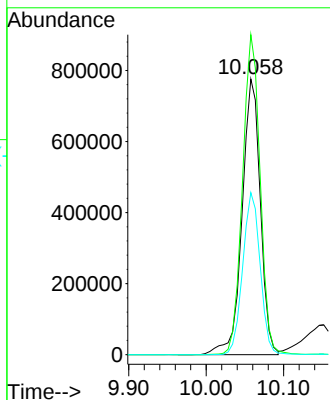
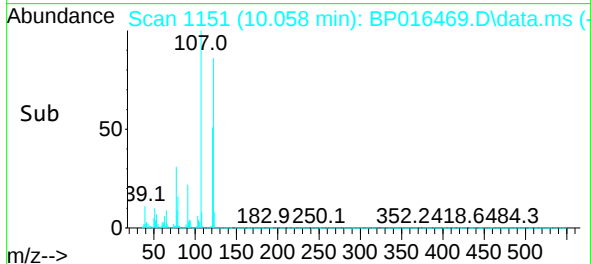
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



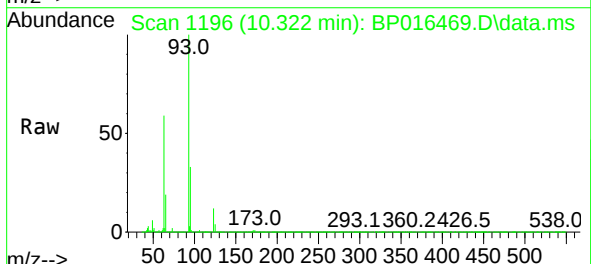
Tgt Ion:122 Resp: 126811
Ion Ratio Lower Upper
122 100
107 116.1 91.9 137.9
121 58.8 47.2 70.8

Manual Integrations
APPROVED

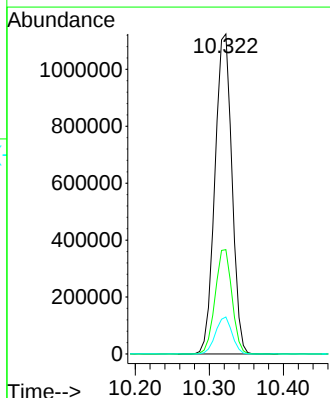
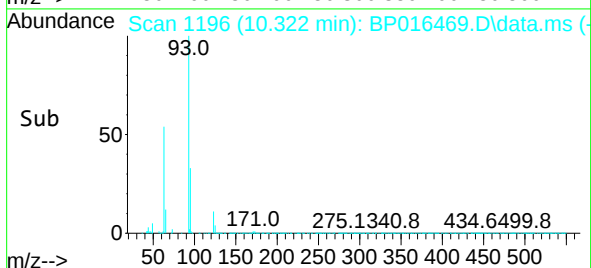
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

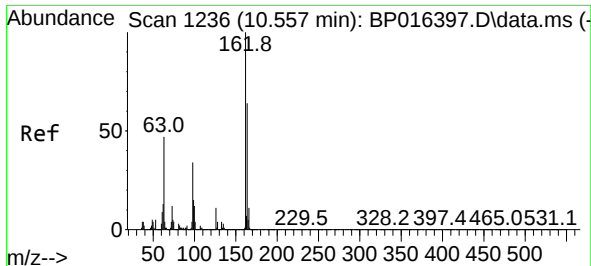


#28
bis(2-Chloroethoxy)methane
Concen: 45.444 ng
RT: 10.322 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



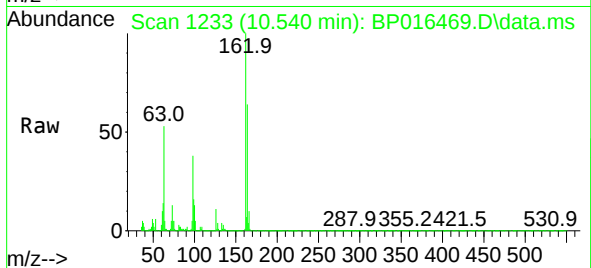
Tgt Ion: 93 Resp: 1789316
Ion Ratio Lower Upper
93 100
95 32.6 25.8 38.8
123 11.5 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 48.235 ng
RT: 10.540 min Scan# 1233
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

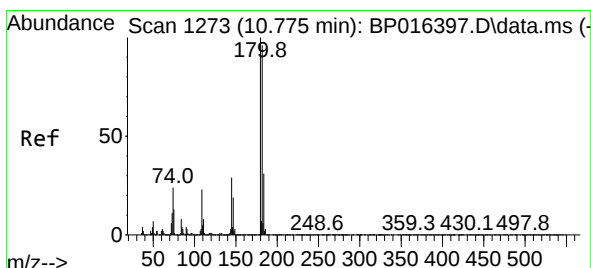
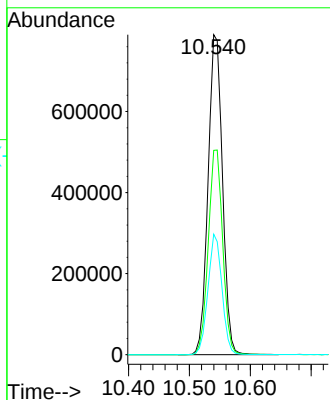
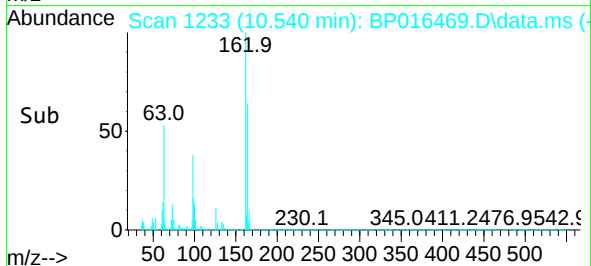
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



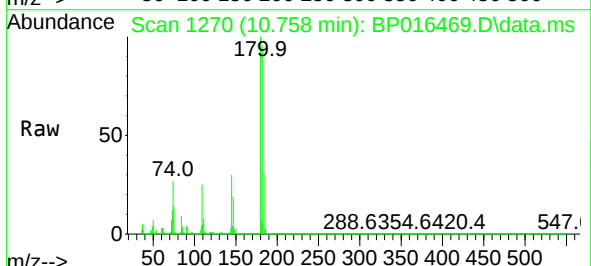
Tgt Ion:162 Resp: 129816
Ion Ratio Lower Upper
162 100
164 63.8 44.2 84.2
98 37.6 13.7 53.7

Manual Integrations
APPROVED

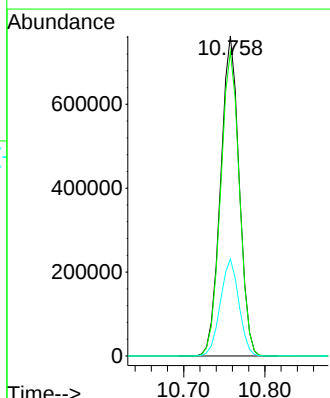
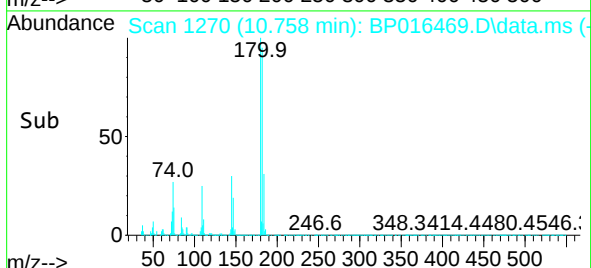
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

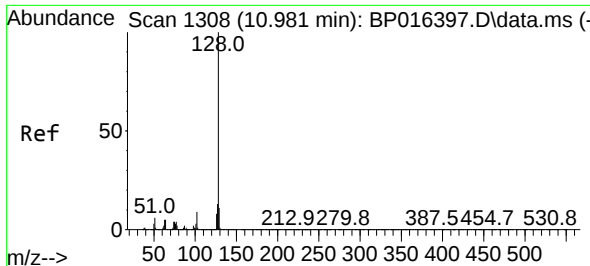


#30
1,2,4-Trichlorobenzene
Concen: 41.582 ng
RT: 10.758 min Scan# 1270
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



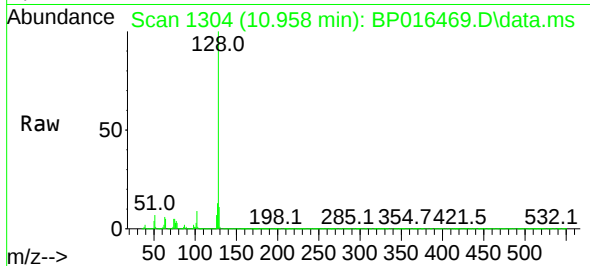
Tgt Ion:180 Resp: 1212121
Ion Ratio Lower Upper
180 100
182 95.0 77.1 115.7
145 30.3 22.9 34.3





#31
Naphthalene
Concen: 41.671 ng
RT: 10.958 min Scan# 1167
Delta R.T. -0.023 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

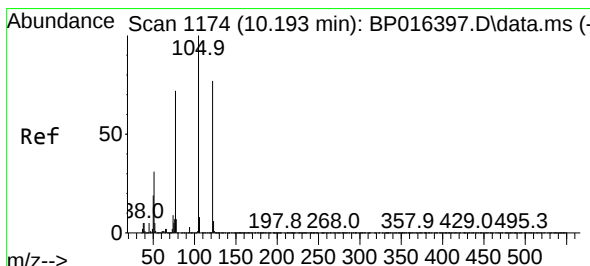
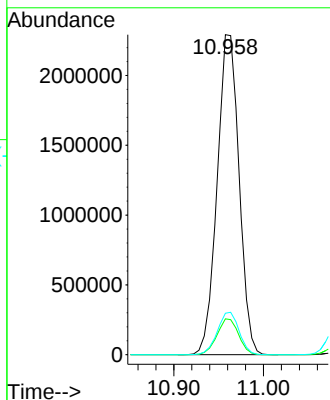
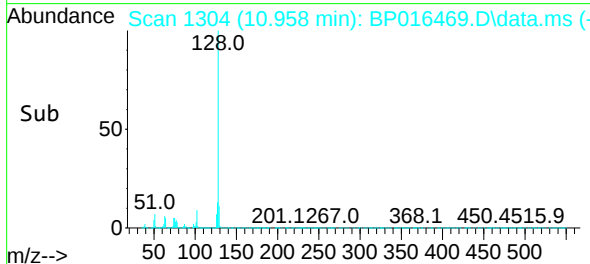
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:128 Resp: 3884830
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 13.0 10.4 15.6

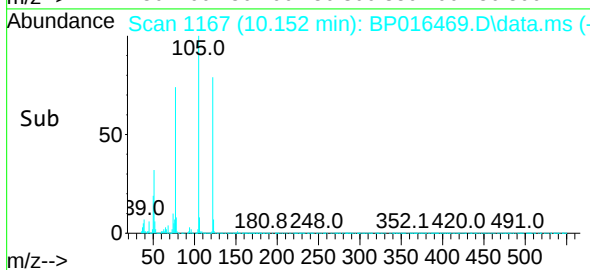
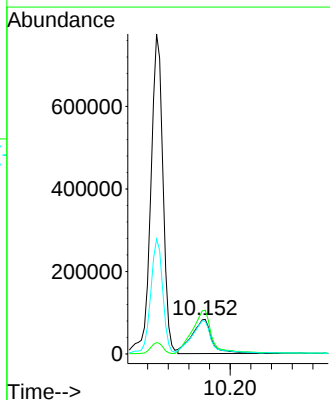
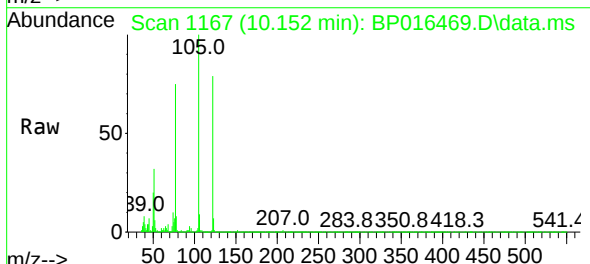
Manual Integrations
APPROVED

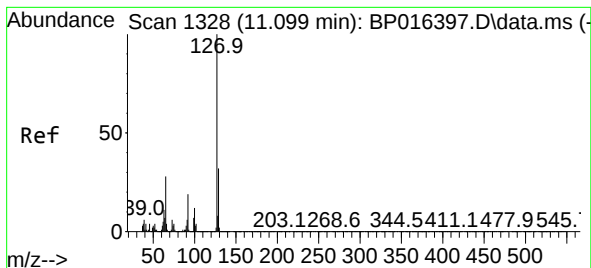
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#32
Benzoic acid
Concen: 16.576 ng
RT: 10.152 min Scan# 1167
Delta R.T. -0.041 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

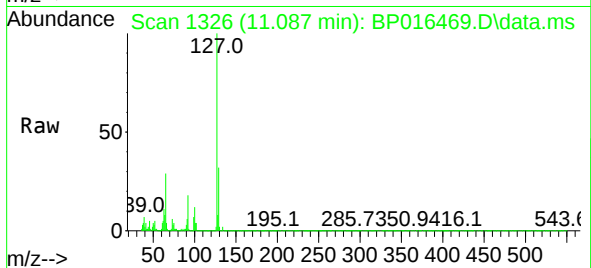
Tgt Ion:122 Resp: 223413
Ion Ratio Lower Upper
122 100
105 126.9 105.2 145.2
77 94.8 72.2 112.2





#33
4-Chloroaniline
Concen: 10.556 ng
RT: 11.087 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

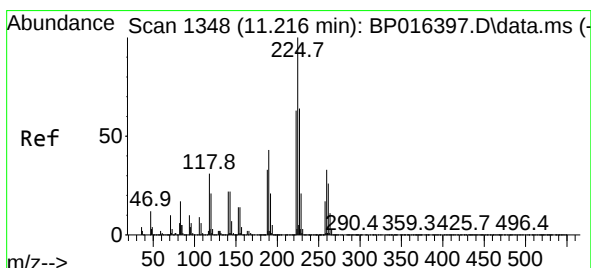
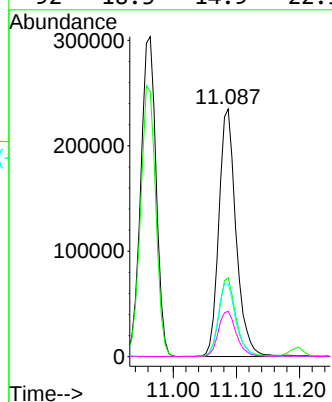
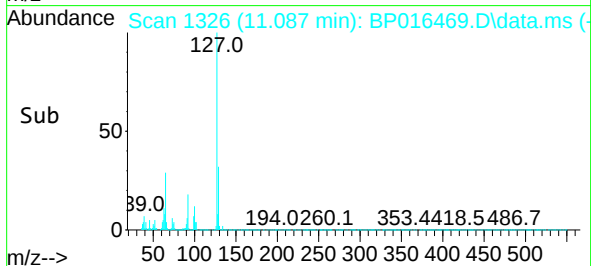
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



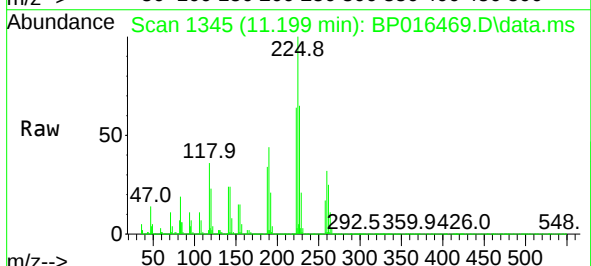
Tgt Ion:127 Resp: 44392
Ion Ratio Lower Upper
127 100
129 31.8 25.8 38.8
65 29.3 22.7 34.1
92 18.3 14.9 22.3

Manual Integrations
APPROVED

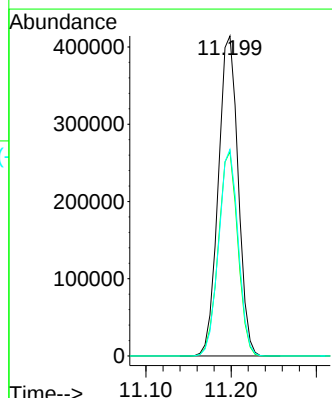
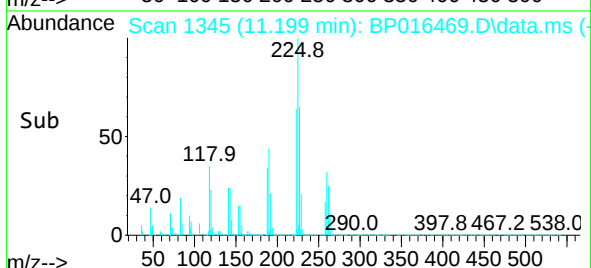
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

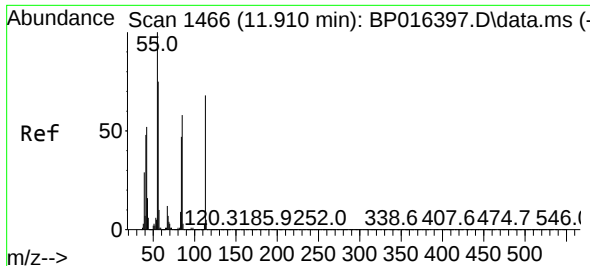


#34
Hexachlorobutadiene
Concen: 38.815 ng
RT: 11.199 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



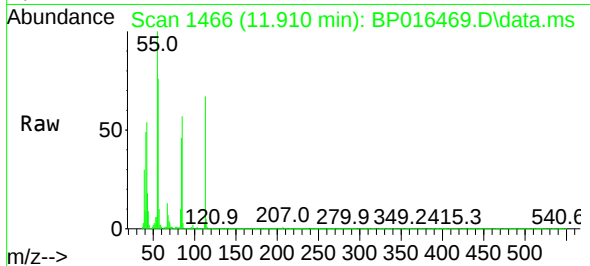
Tgt Ion:225 Resp: 669890
Ion Ratio Lower Upper
225 100
223 63.8 50.2 75.4
227 64.6 51.0 76.6





#35
Caprolactam
Concen: 38.117 ng m
RT: 11.910 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

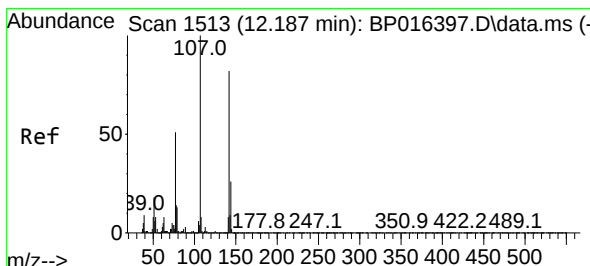
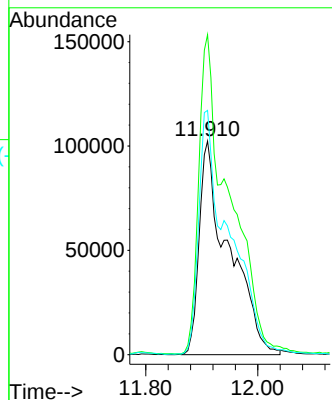
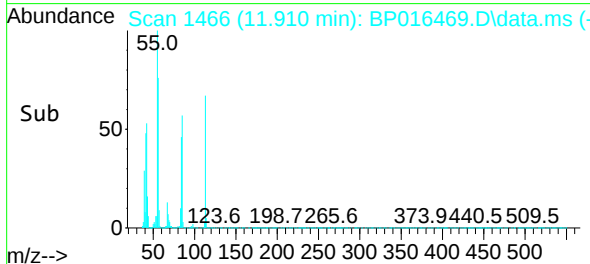
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



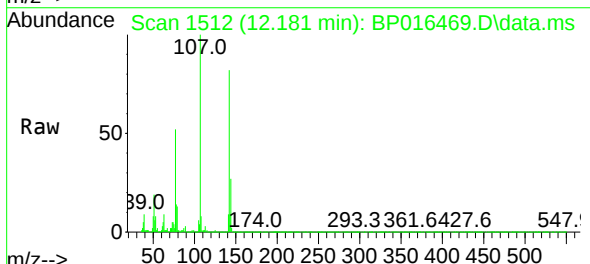
Tgt Ion:113 Resp: 374850
Ion Ratio Lower Upper
113 100
55 149.8 128.0 168.0
56 114.3 91.3 131.3

Manual Integrations
APPROVED

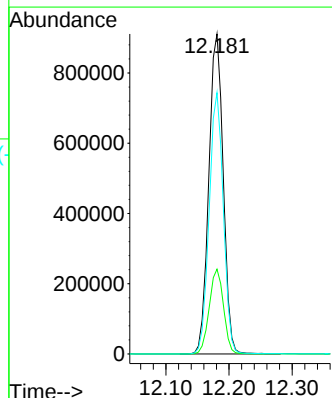
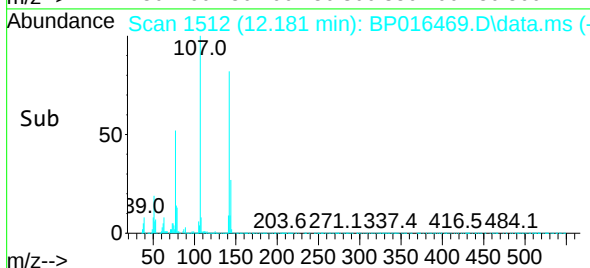
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

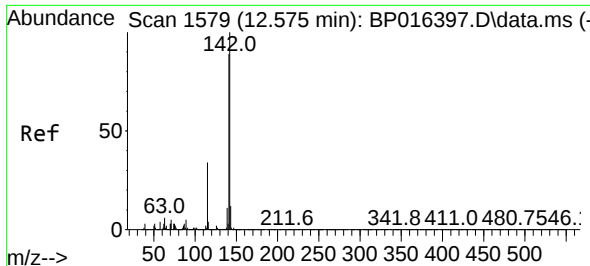


#36
4-Chloro-3-methylphenol
Concen: 48.358 ng
RT: 12.181 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



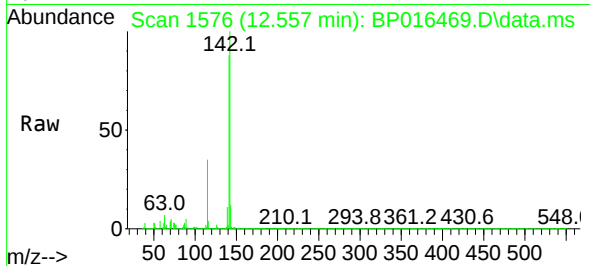
Tgt Ion:107 Resp: 1446696
Ion Ratio Lower Upper
107 100
144 26.5 21.0 31.6
142 81.7 65.6 98.4





#37
2-Methylnaphthalene
Concen: 40.745 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

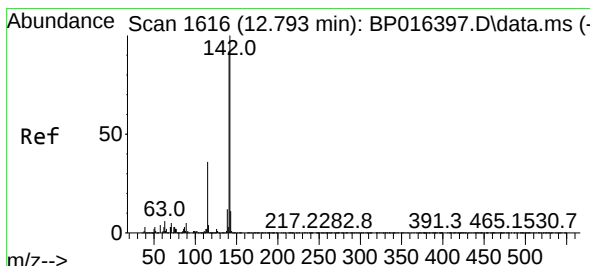
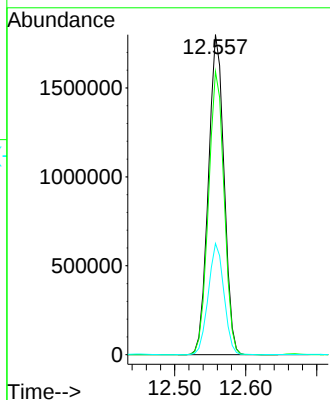
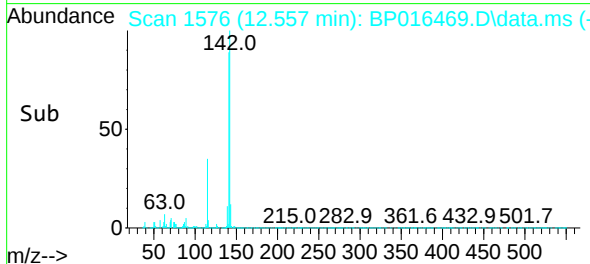
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



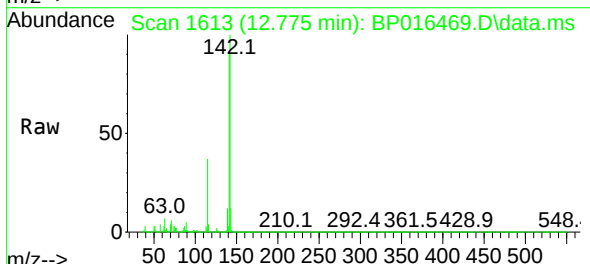
Tgt Ion:142 Resp: 275949
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.2
115 34.8 27.0 40.4

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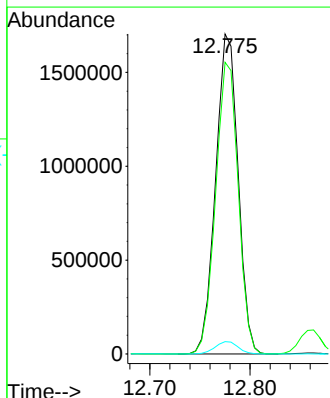
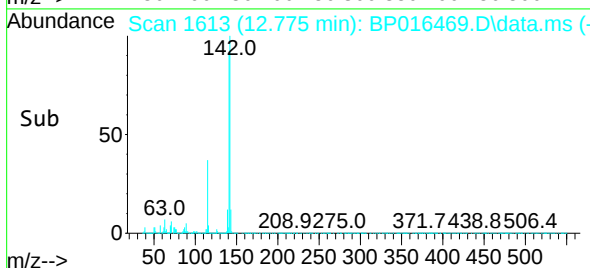
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

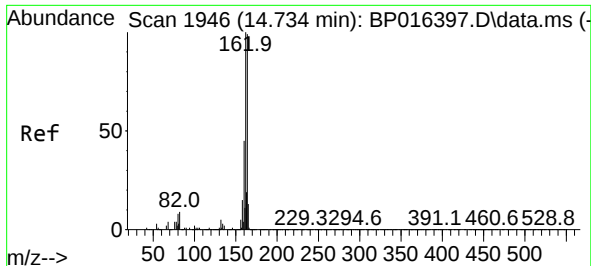


#38
1-Methylnaphthalene
Concen: 41.711 ng
RT: 12.775 min Scan# 1613
Delta R.T. -0.018 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



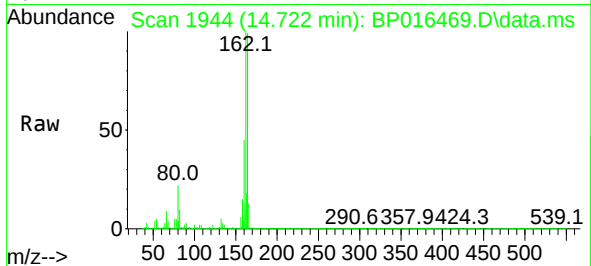
Tgt Ion:142 Resp: 2648432
Ion Ratio Lower Upper
142 100
141 91.1 73.8 110.6
116 3.8 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.722 min Scan# 1944
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

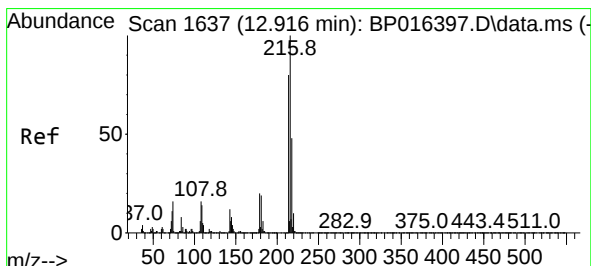
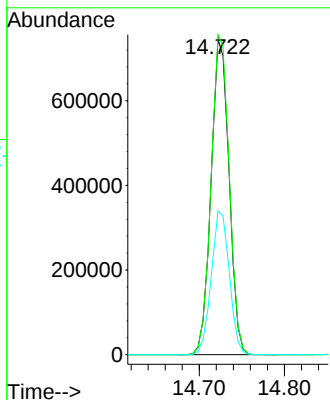
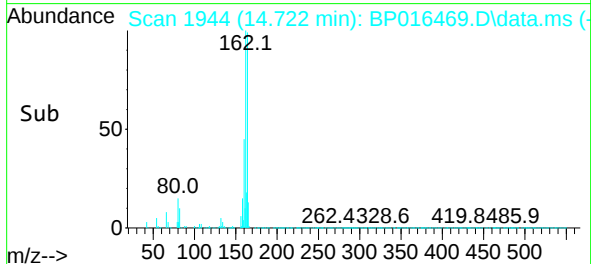
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



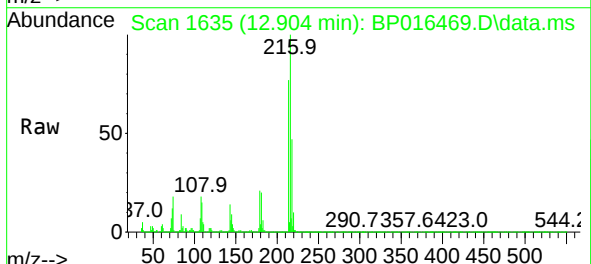
Tgt Ion:164 Resp: 1091334
Ion Ratio Lower Upper
164 100
162 101.4 81.0 121.6
160 45.5 36.6 55.0

Manual Integrations
APPROVED

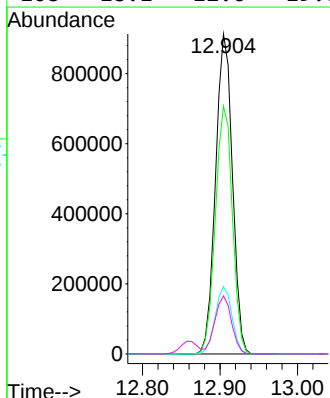
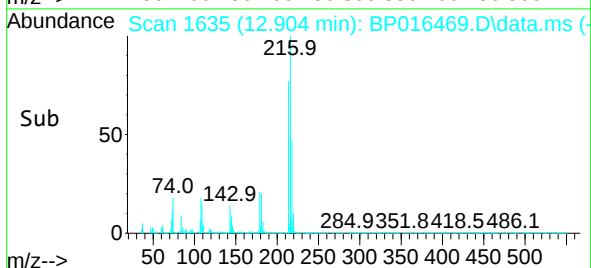
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

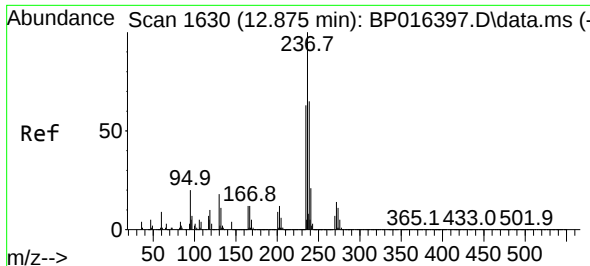


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.577 ng
RT: 12.904 min Scan# 1635
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



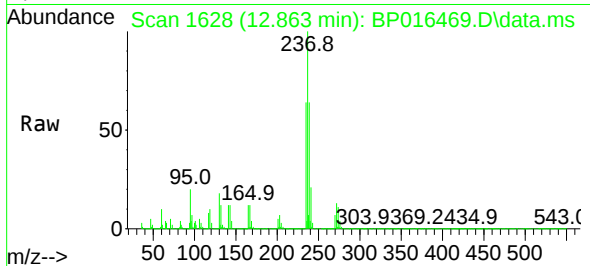
Tgt Ion:216 Resp: 1378870
Ion Ratio Lower Upper
216 100
214 78.2 62.8 94.2
179 21.0 16.0 24.0
108 18.1 12.6 19.0





#41
Hexachlorocyclopentadiene
Concen: 91.792 ng
RT: 12.863 min Scan# 10
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

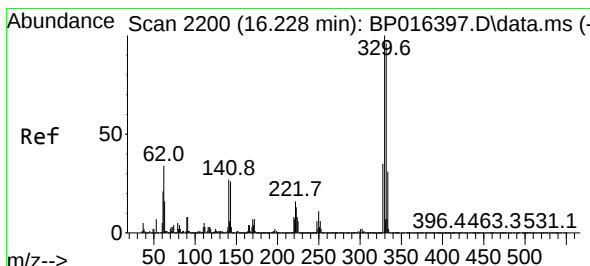
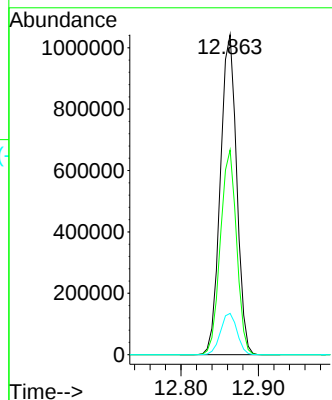
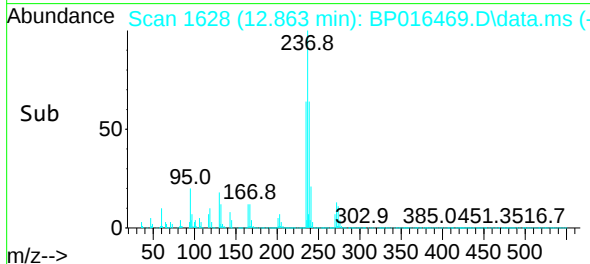
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



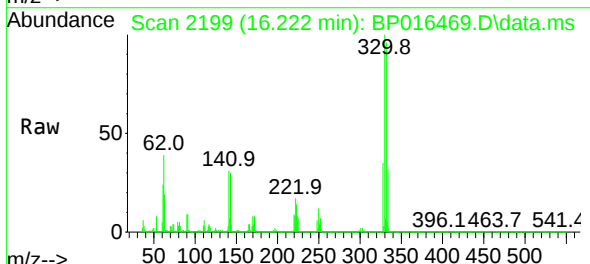
Tgt Ion:237 Resp: 152894
Ion Ratio Lower Upper
237 100
235 64.0 42.7 82.7
272 12.9 0.0 33.5

Manual Integrations
APPROVED

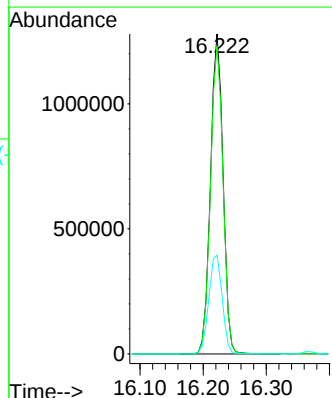
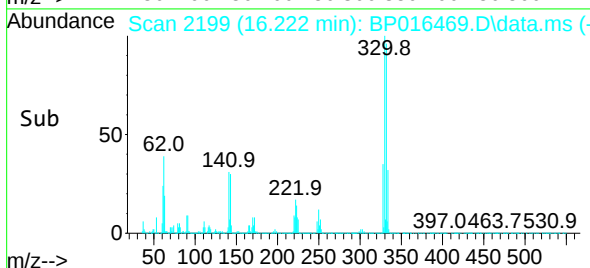
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

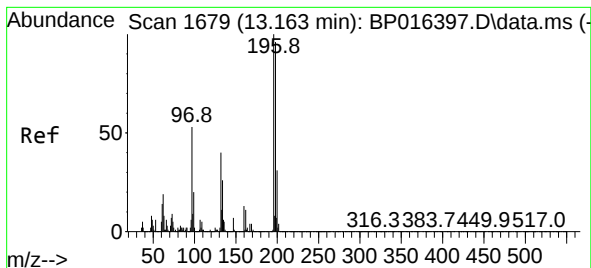


#42
2,4,6-Tribromophenol
Concen: 110.008 ng
RT: 16.222 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion:330 Resp: 1766195
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.8
141 33.1 22.6 34.0





#43

2,4,6-Trichlorophenol

Concen: 48.340 ng

RT: 13.152 min Scan# 1

Delta R.T. -0.011 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MS

Tgt Ion:196 Resp: 102866

Ion Ratio Lower Upper

196 100

198 95.9 77.0 115.4

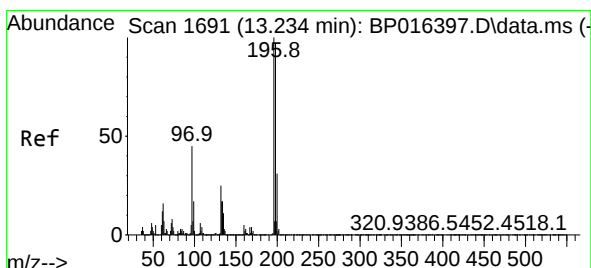
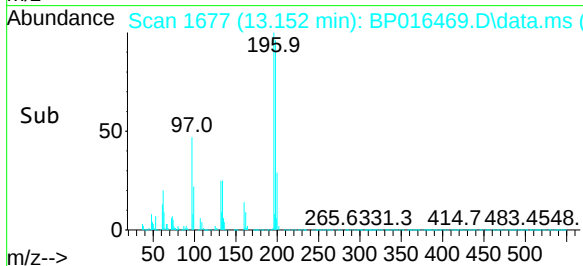
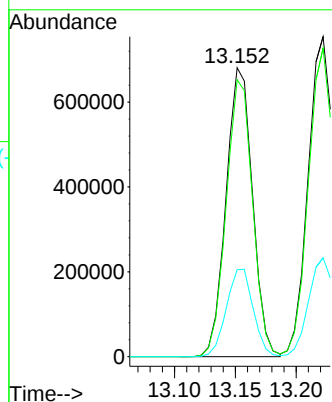
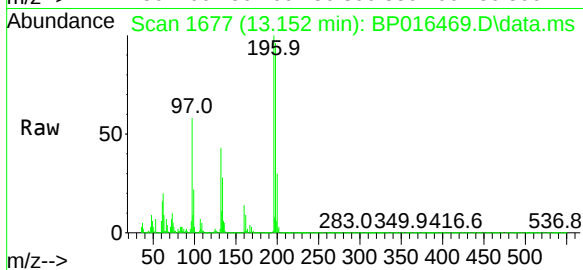
200 30.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#44

2,4,5-Trichlorophenol

Concen: 44.159 ng

RT: 13.222 min Scan# 1689

Delta R.T. -0.012 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

Tgt Ion:196 Resp: 1140073

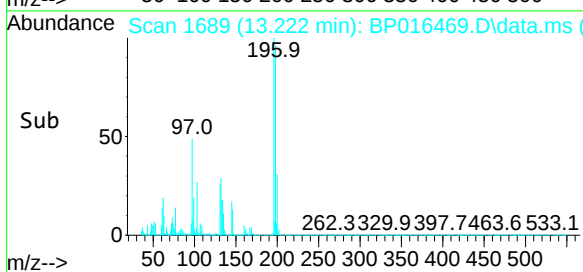
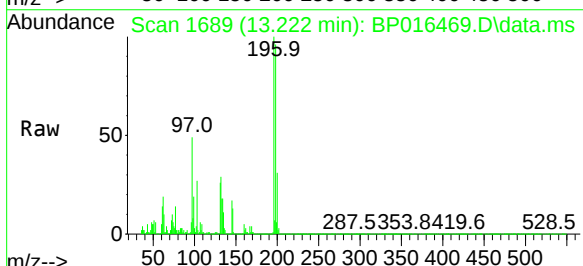
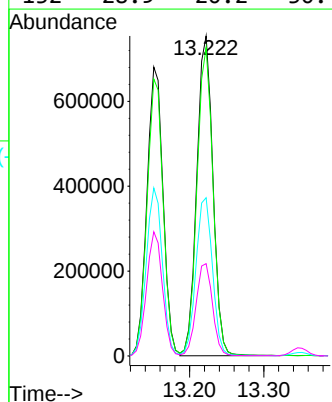
Ion Ratio Lower Upper

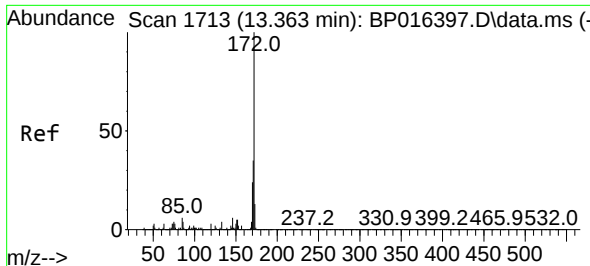
196 100

198 96.4 77.3 115.9

97 49.4 36.2 54.4

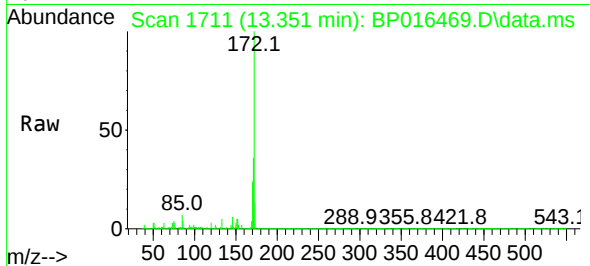
132 28.9 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 80.273 ng
RT: 13.351 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

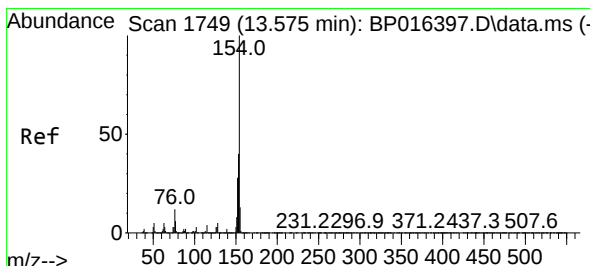
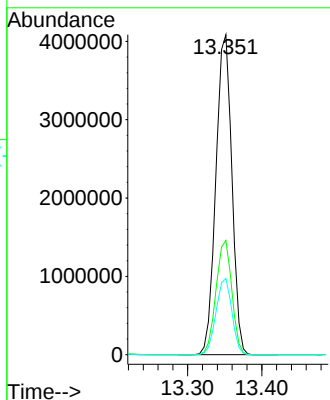
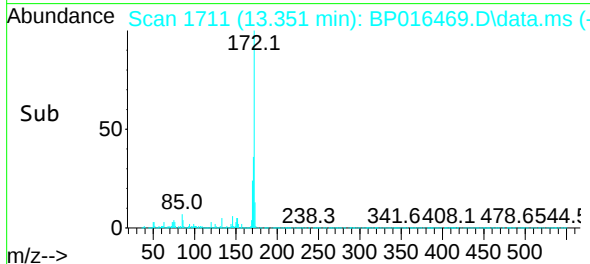
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



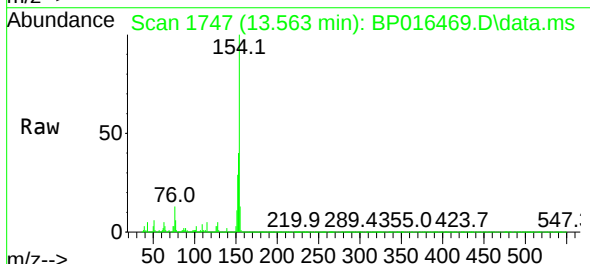
Tgt Ion:172 Resp: 6110528
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.8 19.1 28.7

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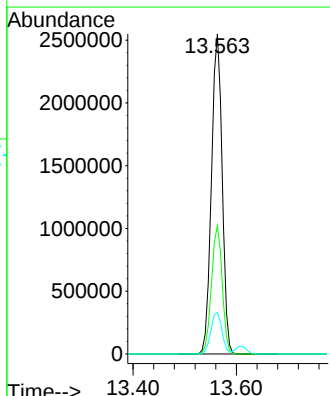
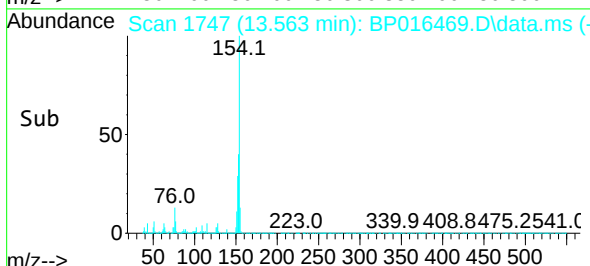
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

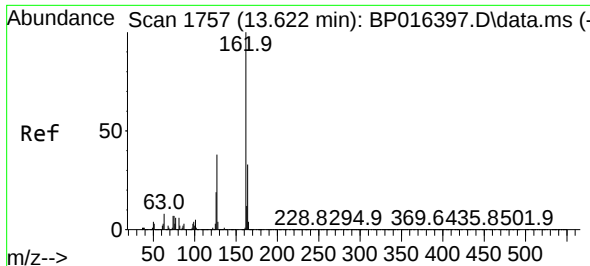


#46
1,1'-Biphenyl
Concen: 43.990 ng
RT: 13.563 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion:154 Resp: 3659514
Ion Ratio Lower Upper
154 100
153 40.1 20.1 60.1
76 13.0 0.0 32.5





#47

2-Chloronaphthalene

Concen: 44.834 ng

RT: 13.610 min Scan# 1755

Delta R.T. -0.012 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MS

Tgt Ion:162 Resp: 281384

Ion Ratio Lower Upper

162 100

127 38.7 30.1 45.1

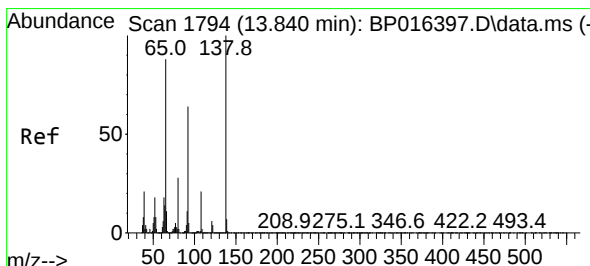
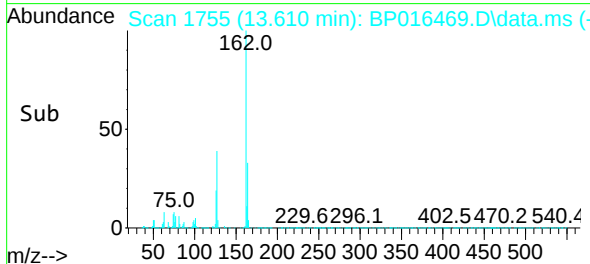
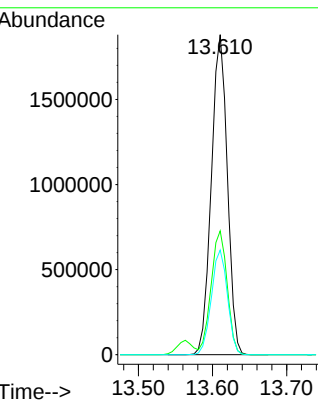
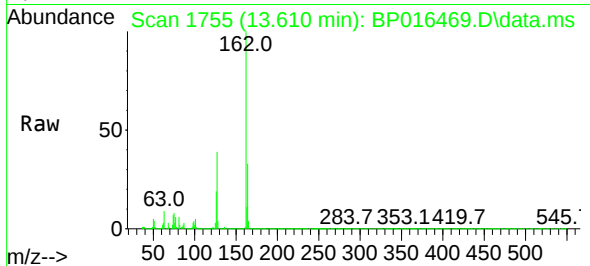
164 32.7 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#48

2-Nitroaniline

Concen: 51.422 ng

RT: 13.834 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

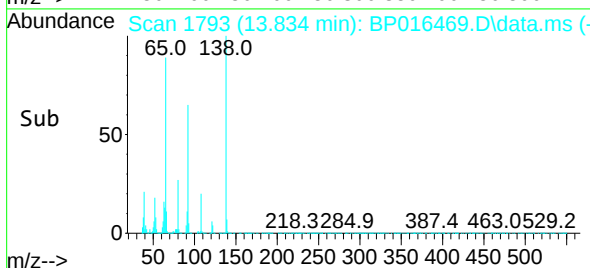
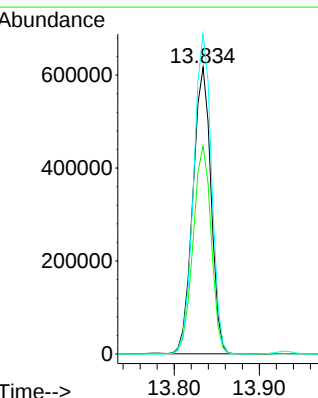
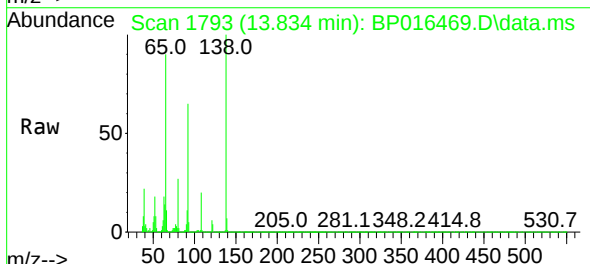
Tgt Ion: 65 Resp: 909722

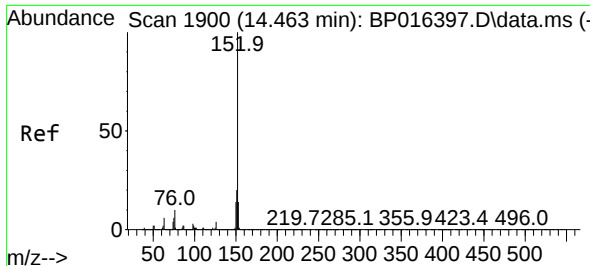
Ion Ratio Lower Upper

65 100

92 72.6 58.2 87.4

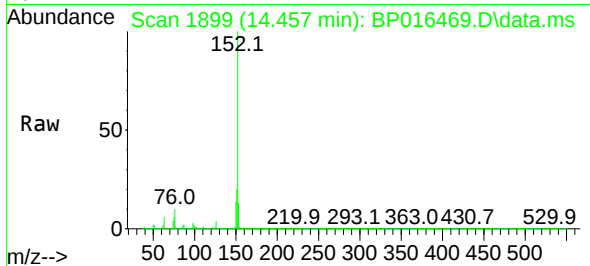
138 111.7 91.3 136.9





#49
Acenaphthylene
Concen: 45.363 ng
RT: 14.457 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

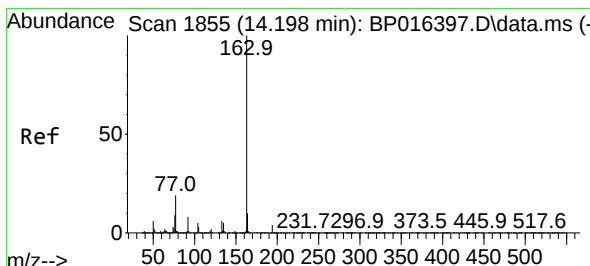
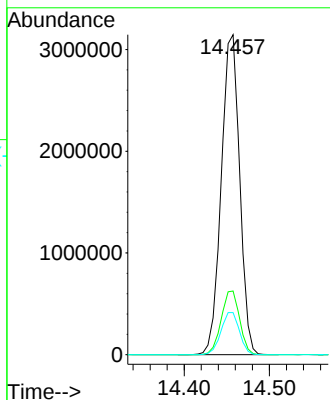
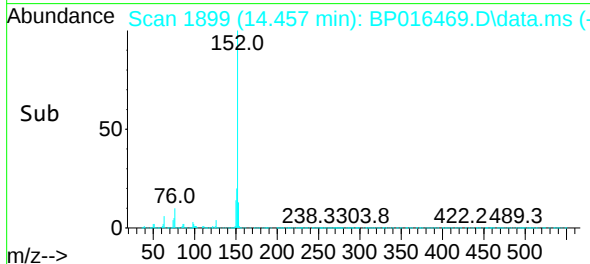
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



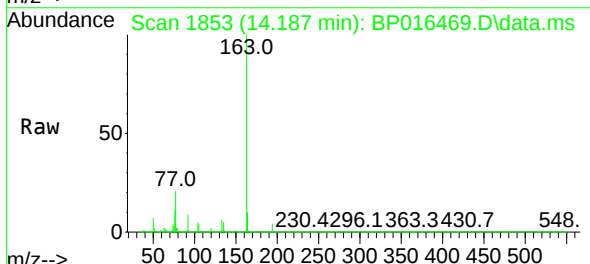
Tgt Ion:152 Resp: 472386
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.1 10.8 16.2

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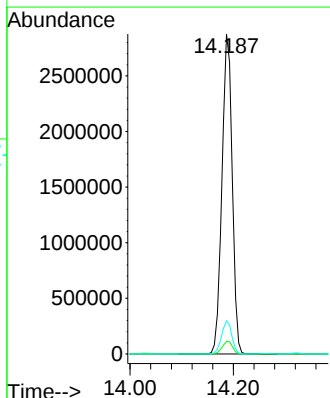
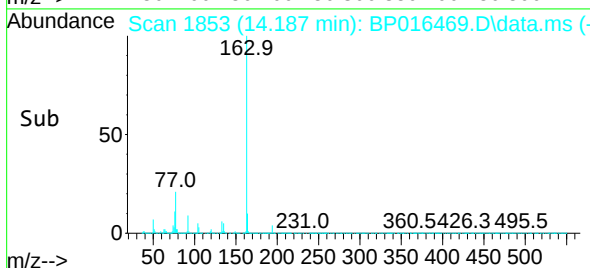
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

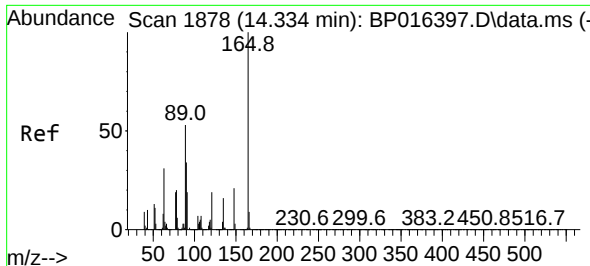


#50
Dimethylphthalate
Concen: 46.517 ng
RT: 14.187 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



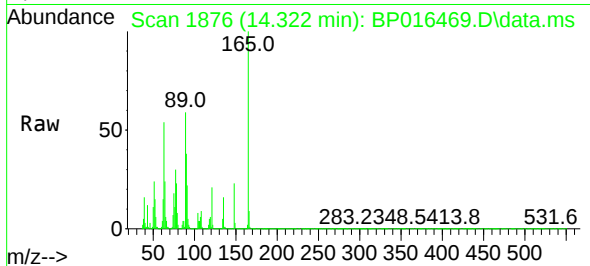
Tgt Ion:163 Resp: 3955946
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 47.215 ng
RT: 14.322 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

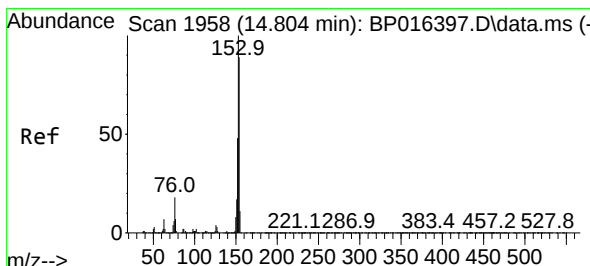
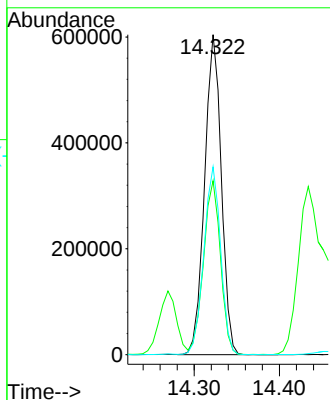
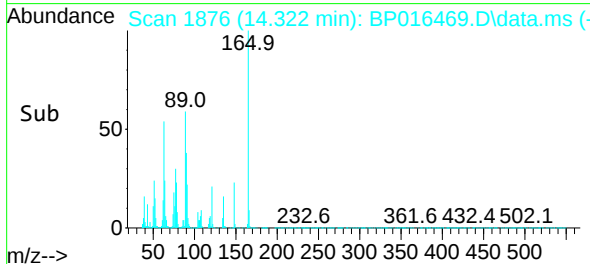
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:165 Resp: 822589
Ion Ratio Lower Upper
165 100
63 54.3 39.1 58.7
89 58.7 42.5 63.7

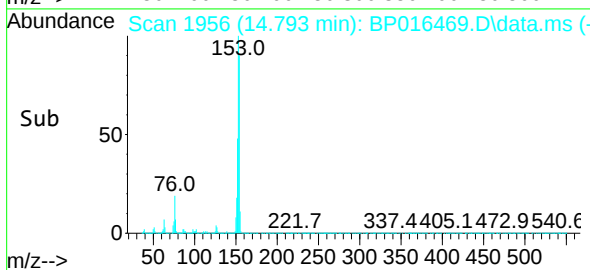
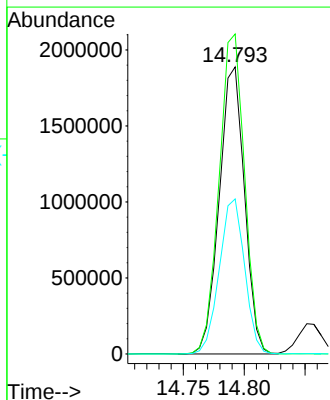
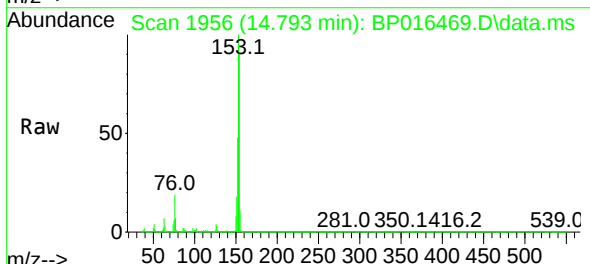
Manual Integrations
APPROVED

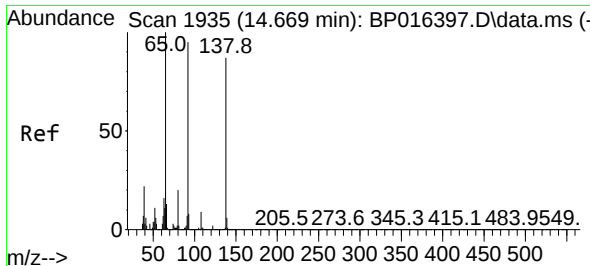
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#52
Acenaphthene
Concen: 43.994 ng
RT: 14.793 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

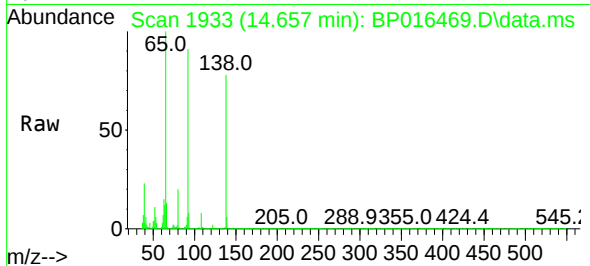
Tgt Ion:154 Resp: 2724276
Ion Ratio Lower Upper
154 100
153 111.5 90.4 135.6
152 54.0 43.4 65.0





#53
3-Nitroaniline
Concen: 30.244 ng
RT: 14.657 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

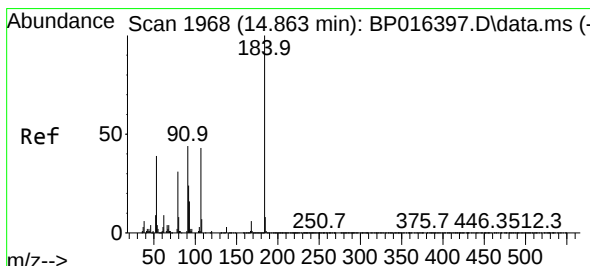
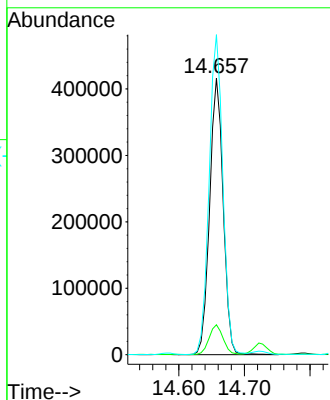
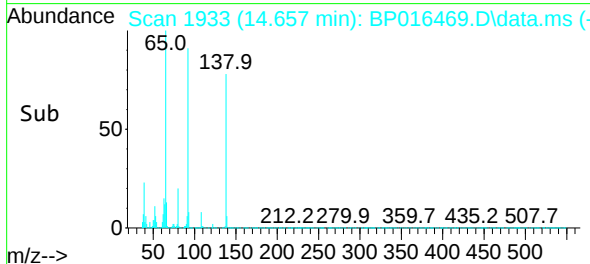
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:138 Resp: 595714
Ion Ratio Lower Upper
138 100
108 10.8 8.7 13.1
92 115.7 87.6 131.4

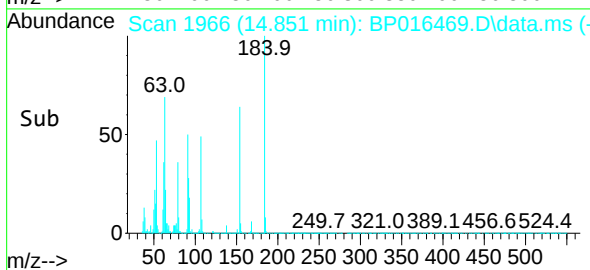
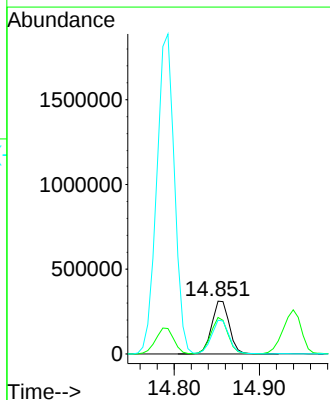
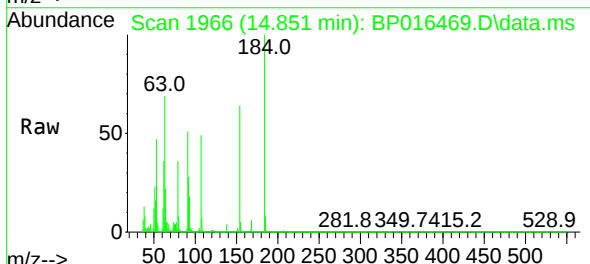
Manual Integrations
APPROVED

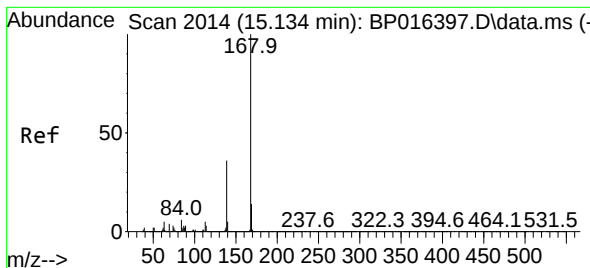
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#54
2,4-Dinitrophenol
Concen: 57.078 ng
RT: 14.851 min Scan# 1966
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

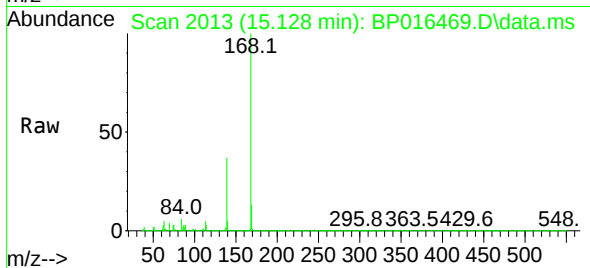
Tgt Ion:184 Resp: 444449
Ion Ratio Lower Upper
184 100
63 69.1 48.2 72.4
154 64.0 49.6 74.4





#55
Dibenzenofuran
Concen: 43.175 ng
RT: 15.128 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

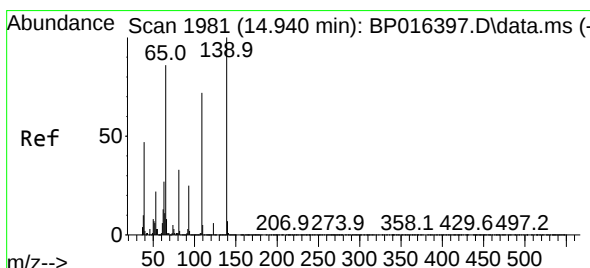
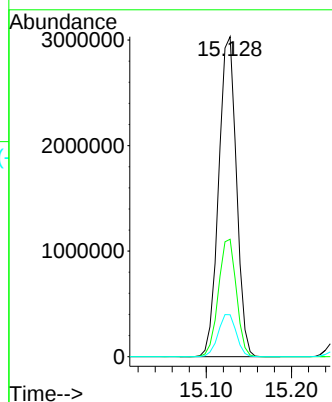
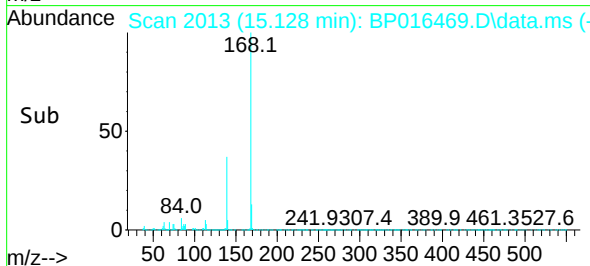
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



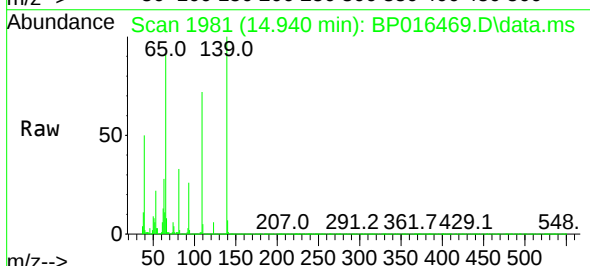
Tgt Ion:168 Resp: 438488
Ion Ratio Lower Upper
168 100
139 36.7 28.9 43.3
169 13.1 11.0 16.4

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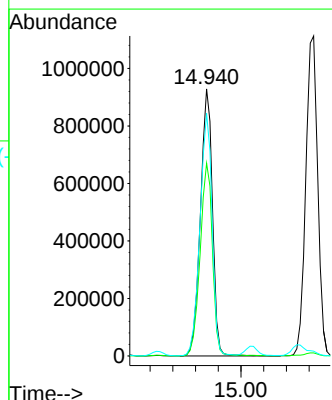
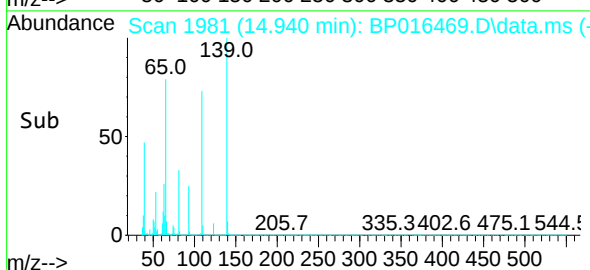
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

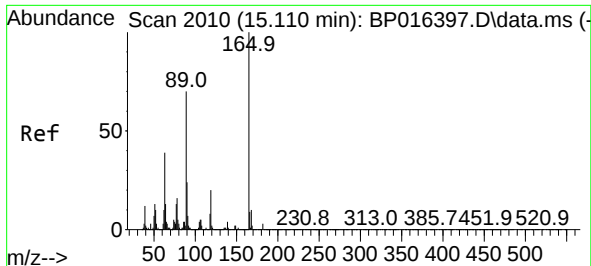


#56
4-Nitrophenol
Concen: 88.871 ng
RT: 14.940 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



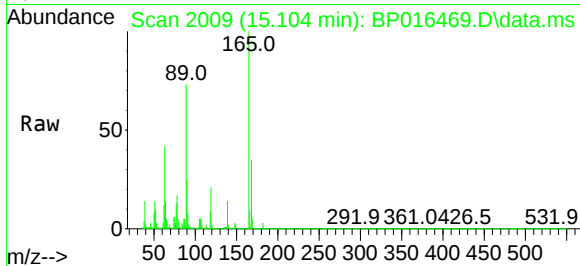
Tgt Ion:139 Resp: 1370266
Ion Ratio Lower Upper
139 100
109 72.2 51.9 91.9
65 90.8 66.2 106.2





#57
2,4-Dinitrotoluene
Concen: 48.657 ng
RT: 15.104 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

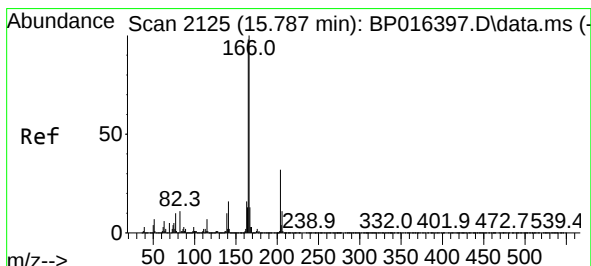
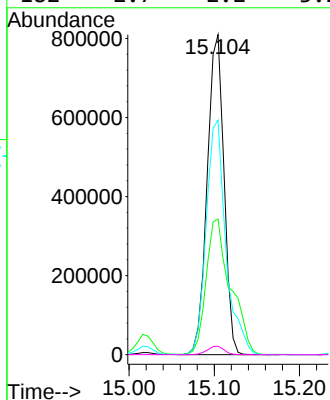
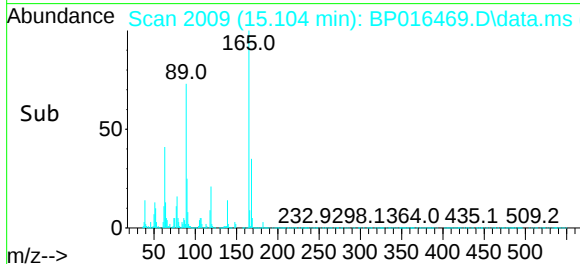
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



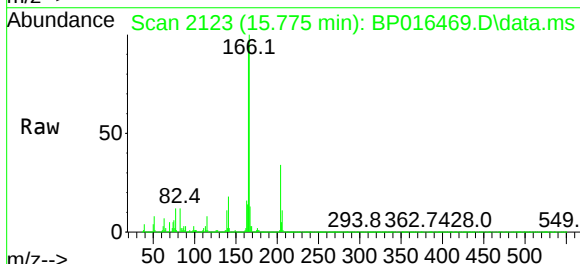
Tgt Ion:165 Resp: 1104789
Ion Ratio Lower Upper
165 100
63 42.4 31.4 47.0
89 73.3 55.8 83.6
182 2.7 2.2 3.2

Manual Integrations
APPROVED

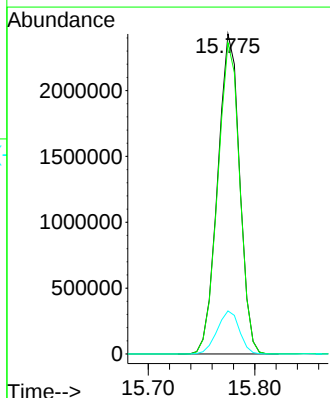
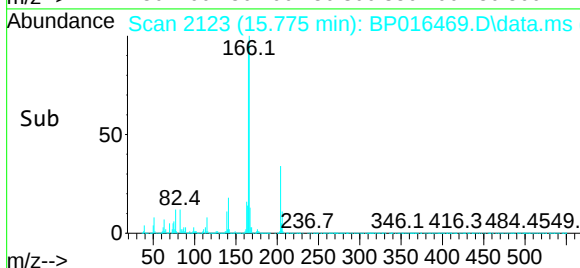
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

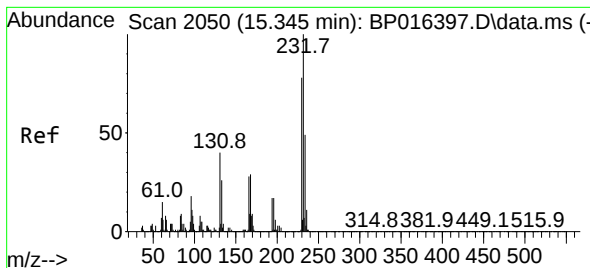


#58
Fluorene
Concen: 43.475 ng
RT: 15.775 min Scan# 2123
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



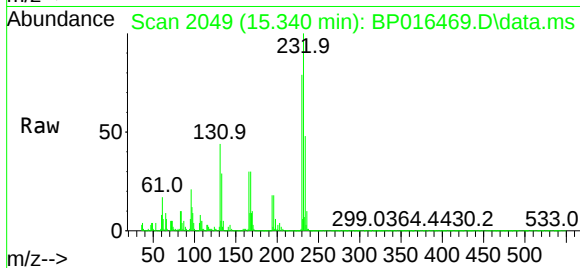
Tgt Ion:166 Resp: 3468818
Ion Ratio Lower Upper
166 100
165 97.2 78.0 117.0
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.730 ng
RT: 15.340 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

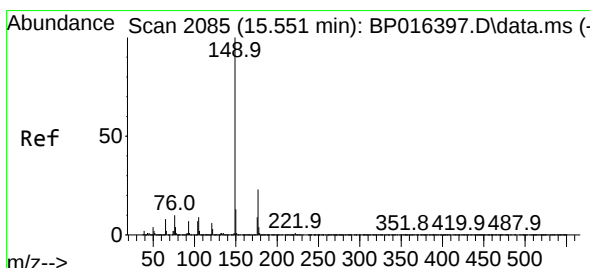
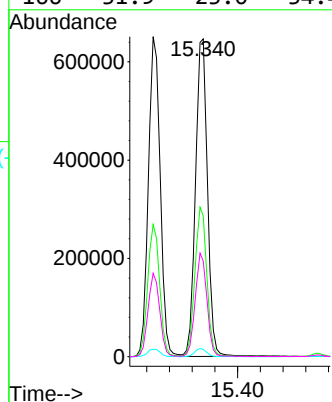
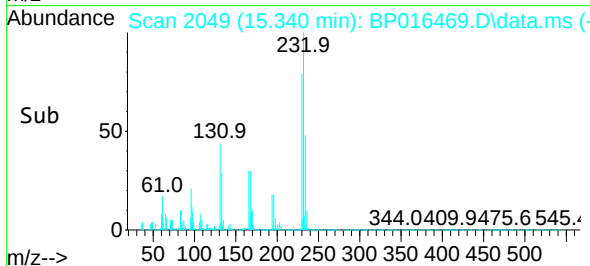
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:232 Resp: 949964
Ion Ratio Lower Upper
232 100
131 46.7 33.1 49.7
130 2.6 1.8 2.8
166 31.9 23.0 34.4

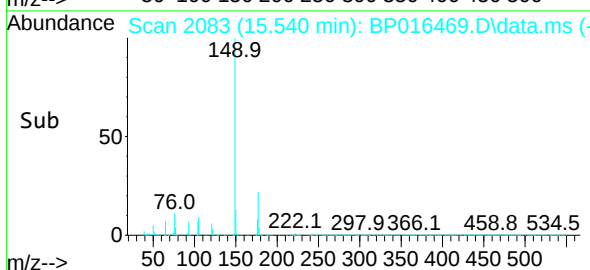
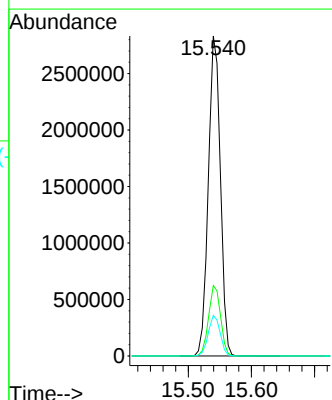
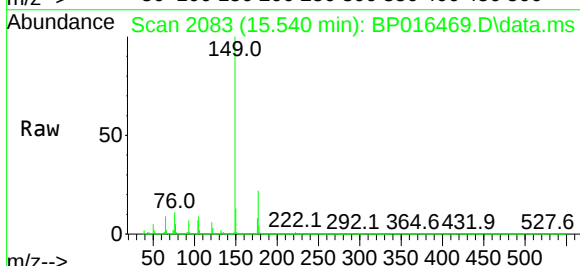
Manual Integrations
APPROVED

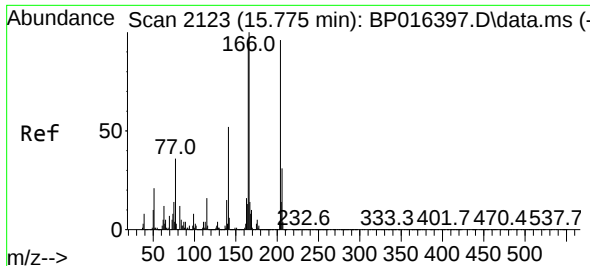
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#60
Diethylphthalate
Concen: 44.313 ng
RT: 15.540 min Scan# 2083
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

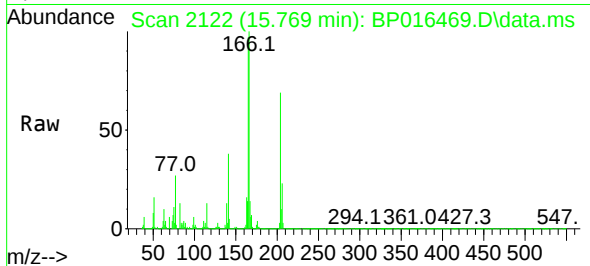
Tgt Ion:149 Resp: 3745136
Ion Ratio Lower Upper
149 100
177 22.0 18.6 27.8
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.306 ng
RT: 15.769 min Scan# 2122
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

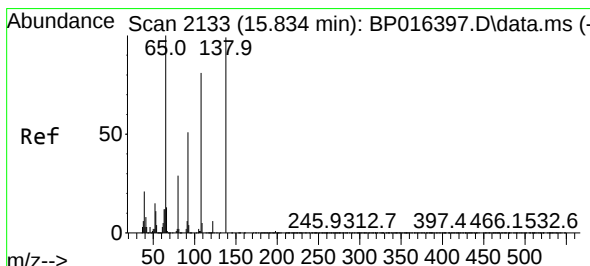
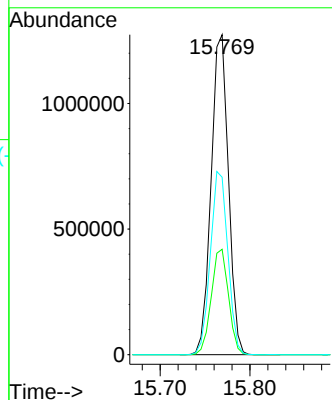
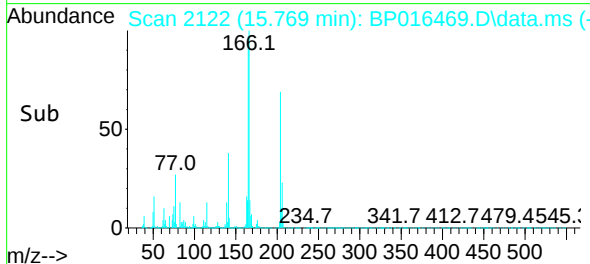
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



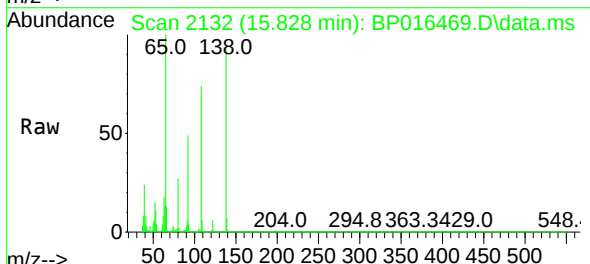
Tgt Ion:204 Resp: 170339
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 55.5 43.4 65.0

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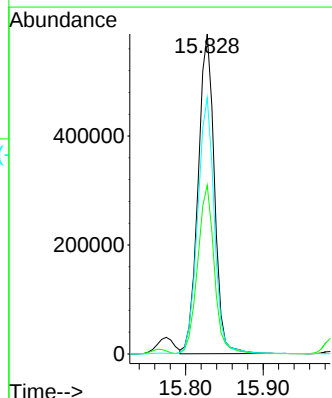
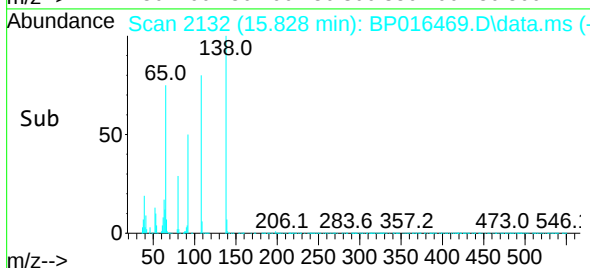
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

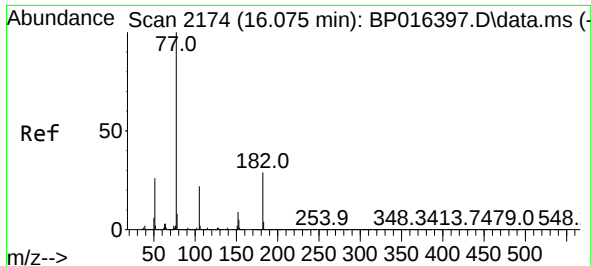


#62
4-Nitroaniline
Concen: 43.893 ng
RT: 15.828 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



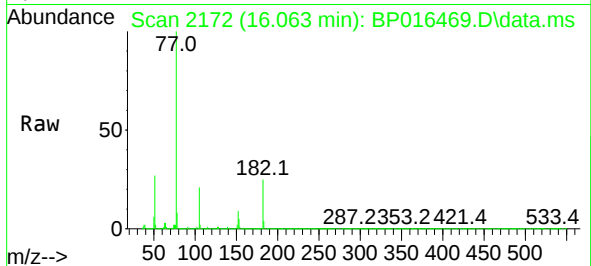
Tgt Ion:138 Resp: 858001
Ion Ratio Lower Upper
138 100
92 52.8 30.3 70.3
108 80.1 60.1 100.1





#63
Azobenzene
Concen: 46.038 ng
RT: 16.063 min Scan# 2174
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

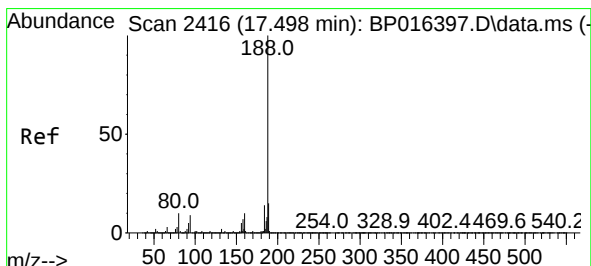
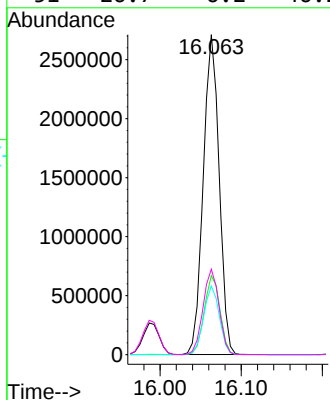
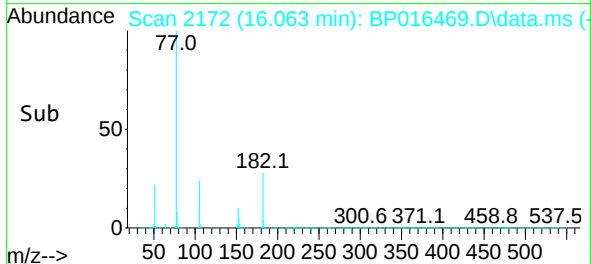
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



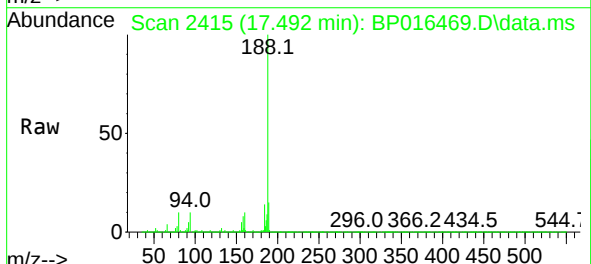
Tgt Ion: 77 Resp: 367385
Ion Ratio Lower Upper
77 100
182 24.7 8.6 48.6
105 21.5 2.4 42.4
51 26.7 6.2 46.2

Manual Integrations
APPROVED

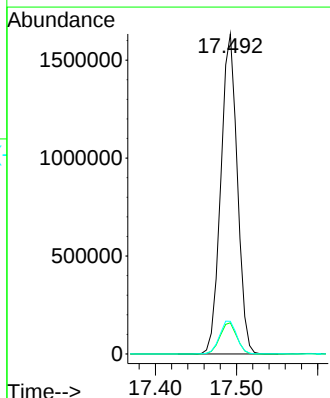
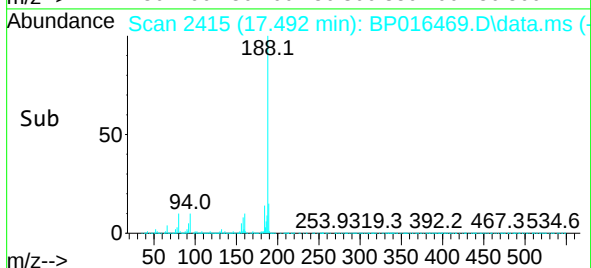
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

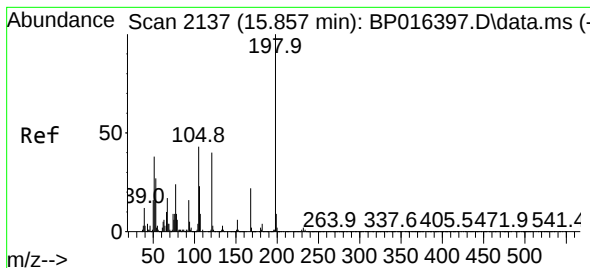


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



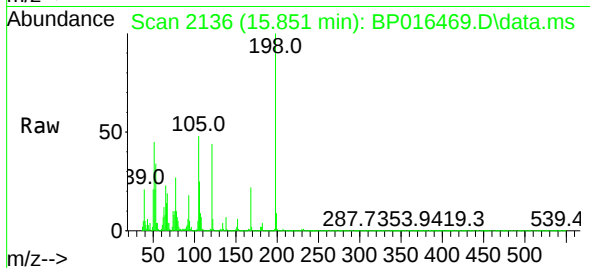
Tgt Ion:188 Resp: 2312233
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.2 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 38.211 ng
RT: 15.851 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

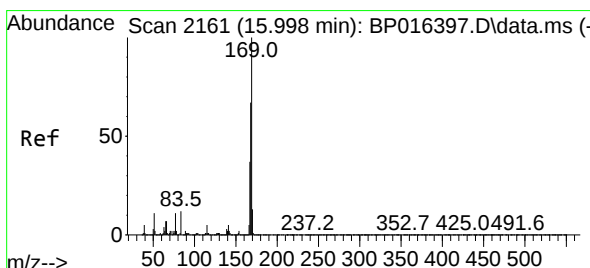
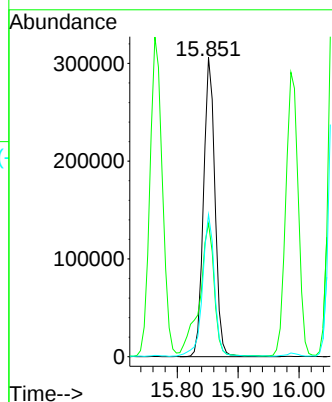
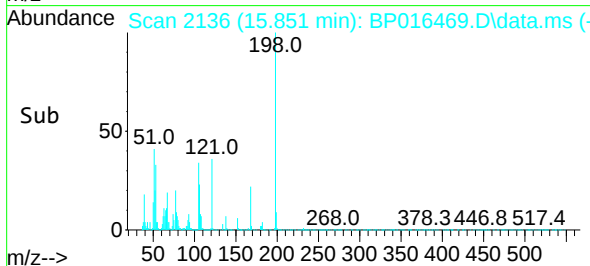
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:198 Resp: 397690
Ion Ratio Lower Upper
198 100
51 44.5 20.1 60.1
105 47.5 23.1 63.1

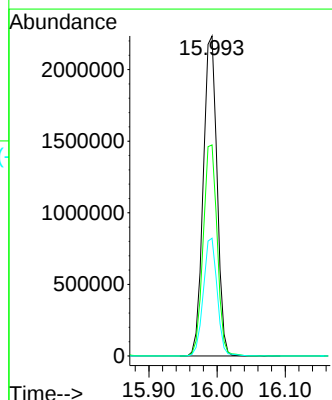
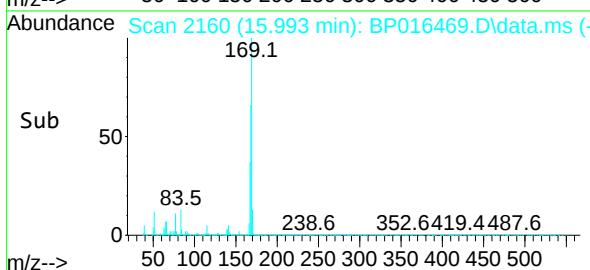
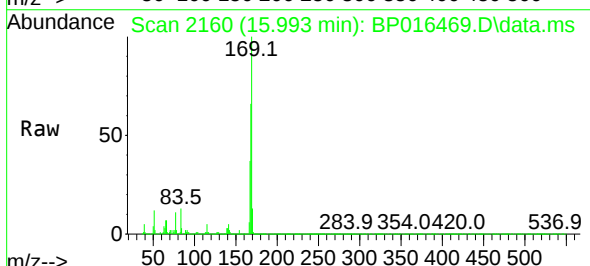
Manual Integrations
APPROVED

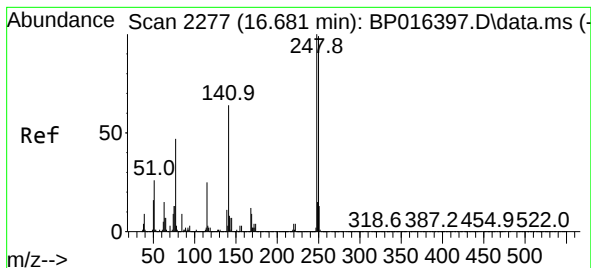
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#66
n-Nitrosodiphenylamine
Concen: 46.037 ng
RT: 15.993 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

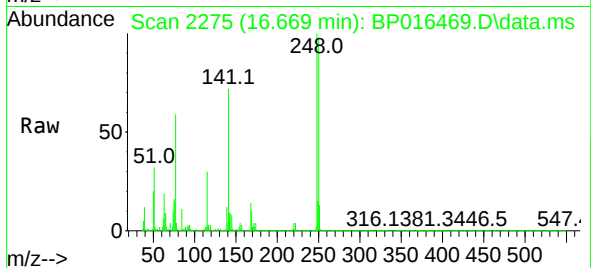
Tgt Ion:169 Resp: 3137091
Ion Ratio Lower Upper
169 100
168 66.0 53.6 80.4
167 36.8 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 43.744 ng
RT: 16.669 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

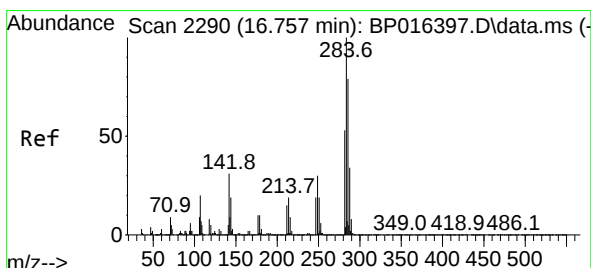
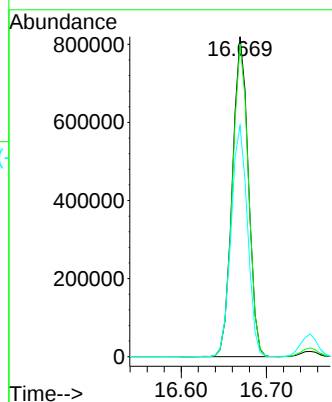
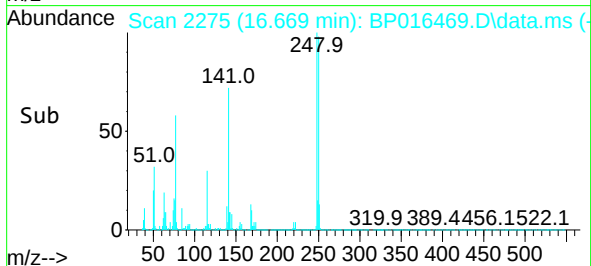
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



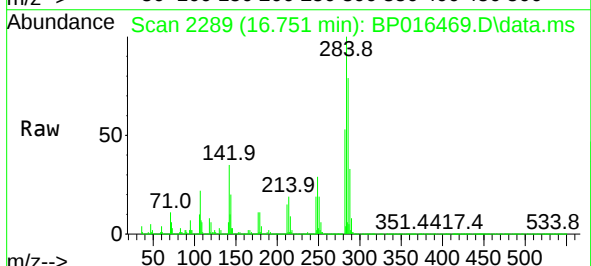
Tgt Ion:248 Resp: 107101
Ion Ratio Lower Upper
248 100
250 97.7 78.9 118.3
141 72.2 51.0 76.4

Manual Integrations
APPROVED

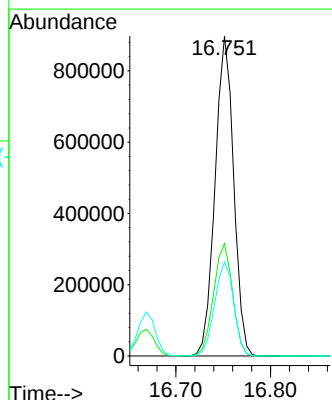
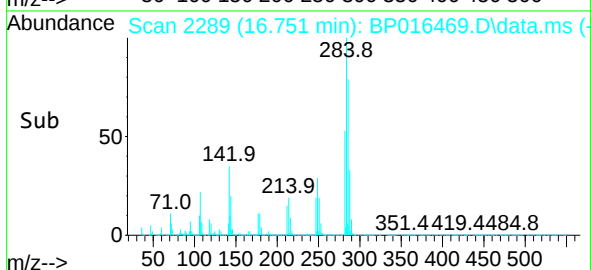
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

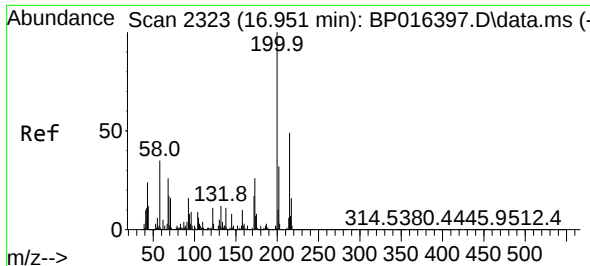


#68
Hexachlorobenzene
Concen: 44.767 ng
RT: 16.751 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



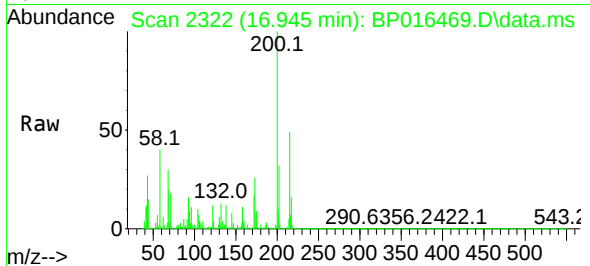
Tgt Ion:284 Resp: 1222302
Ion Ratio Lower Upper
284 100
142 35.2 25.2 37.8
249 29.4 26.0 39.0





#69
Atrazine
Concen: 53.943 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

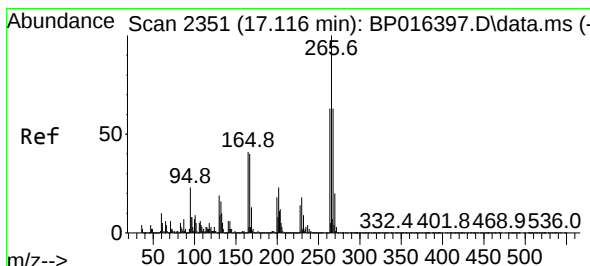
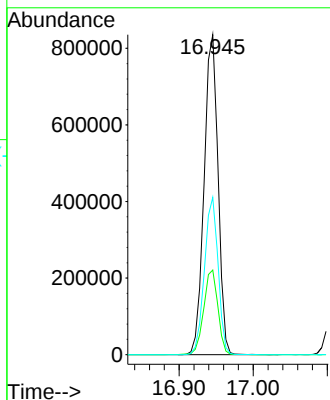
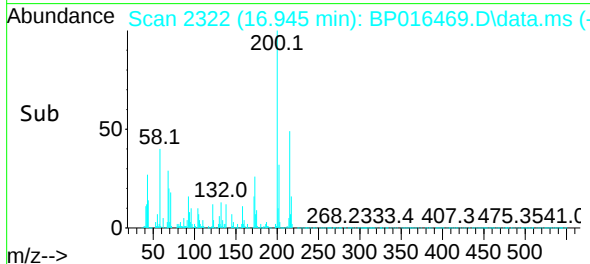
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:200 Resp: 109318
Ion Ratio Lower Upper
200 100
173 26.4 5.8 45.8
215 49.1 29.2 69.2

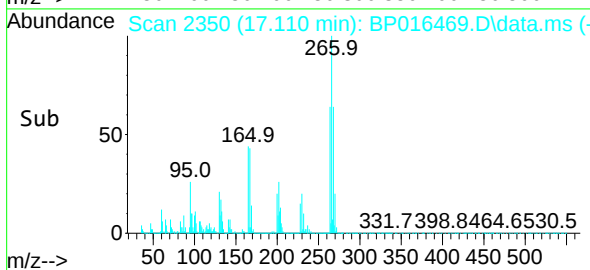
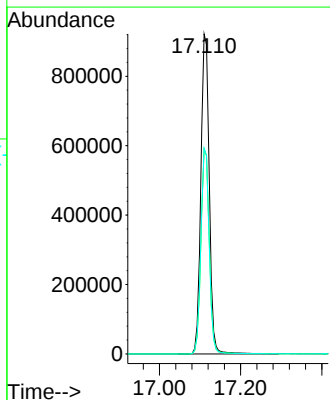
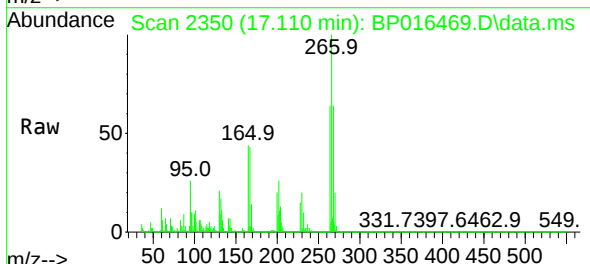
Manual Integrations
APPROVED

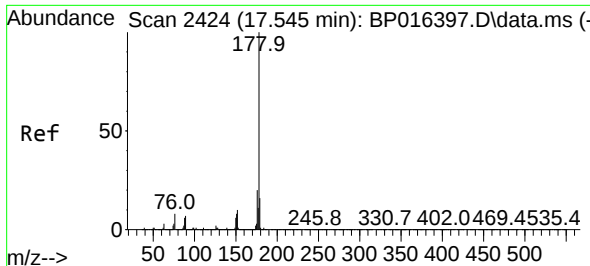
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#70
Pentachlorophenol
Concen: 70.388 ng
RT: 17.110 min Scan# 2350
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

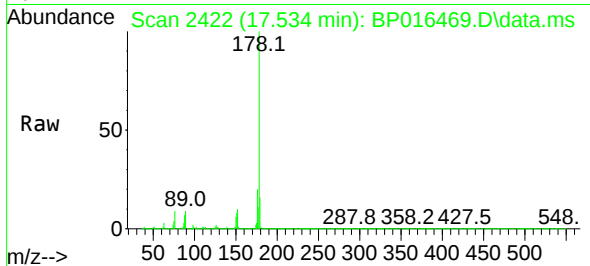
Tgt Ion:266 Resp: 1329964
Ion Ratio Lower Upper
266 100
268 64.1 53.9 80.9
264 64.3 54.9 82.3





#71
Phenanthrene
Concen: 44.629 ng
RT: 17.534 min Scan# 2424
Delta R.T. -0.012 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

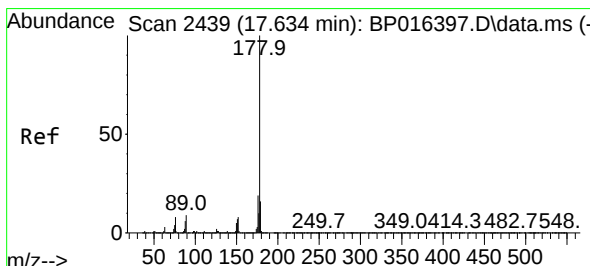
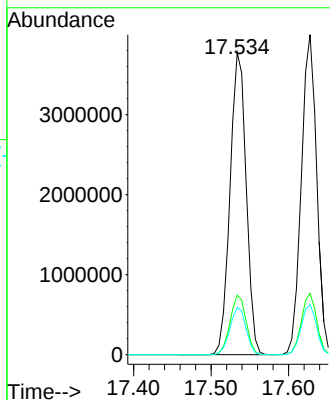
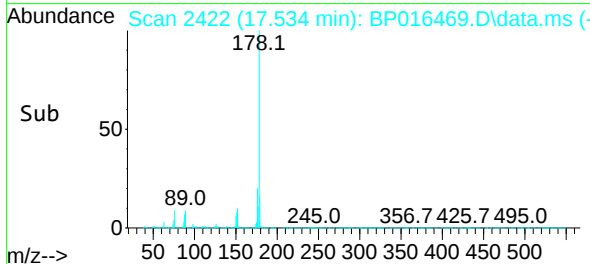
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



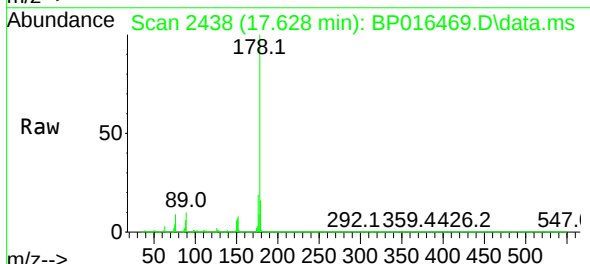
Tgt Ion:178 Resp: 547951
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.6 12.4 18.6

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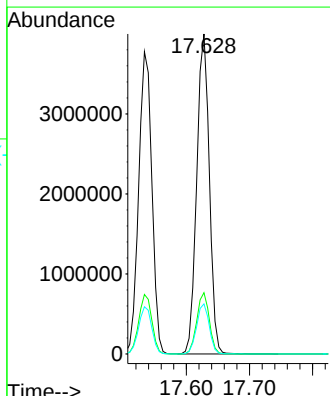
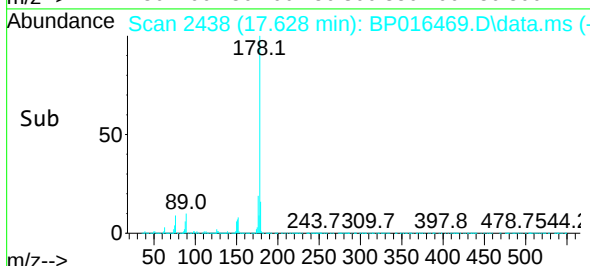
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

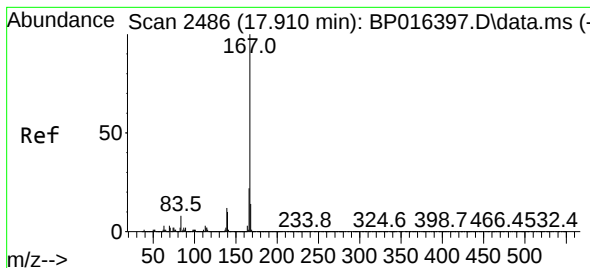


#72
Anthracene
Concen: 44.734 ng
RT: 17.628 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



Tgt Ion:178 Resp: 5522760
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.6 12.6 19.0





#73

Carbazole

Concen: 44.614 ng

RT: 17.904 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MS

Tgt Ion:167 Resp: 5164028

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

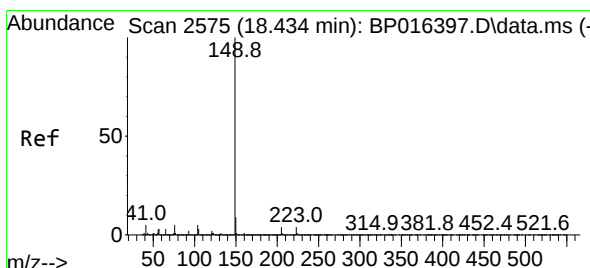
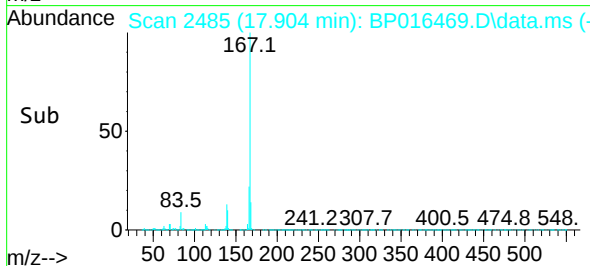
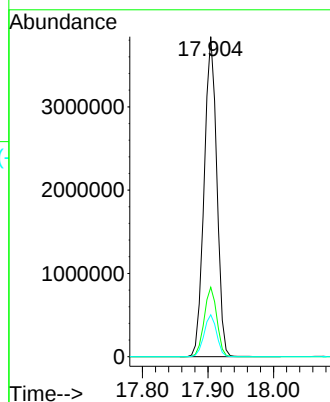
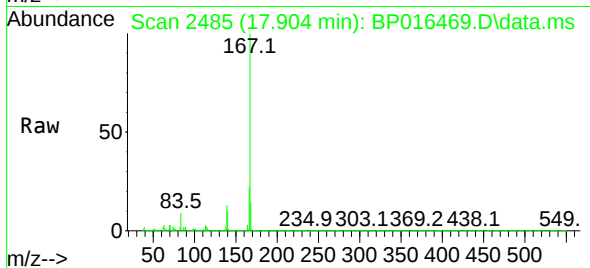
139 13.1 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#74

Di-n-butylphthalate

Concen: 46.886 ng

RT: 18.422 min Scan# 2573

Delta R.T. -0.012 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

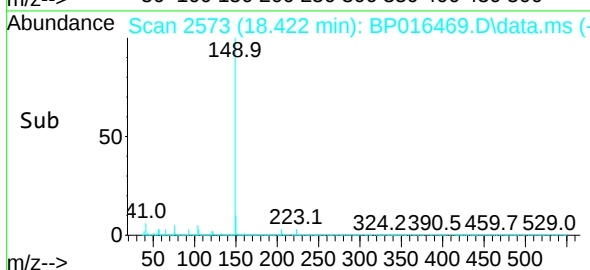
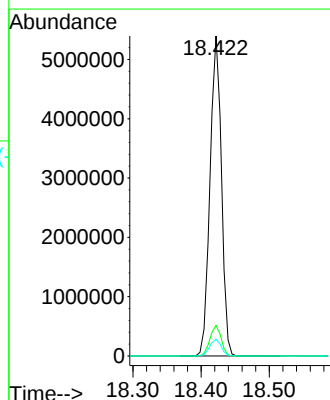
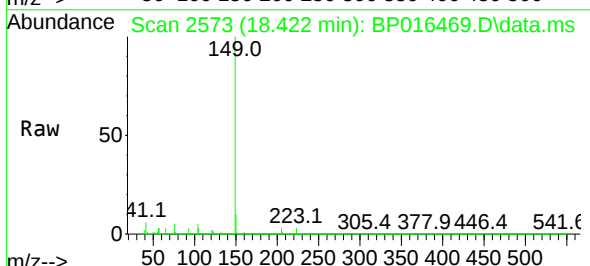
Tgt Ion:149 Resp: 6278588

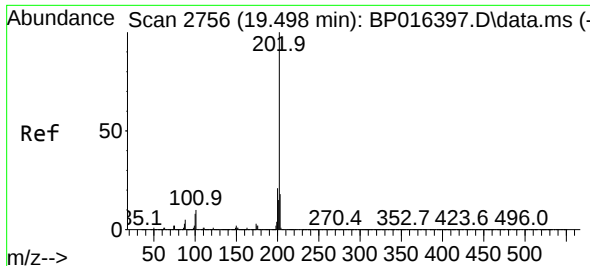
Ion Ratio Lower Upper

149 100

150 9.6 7.4 11.2

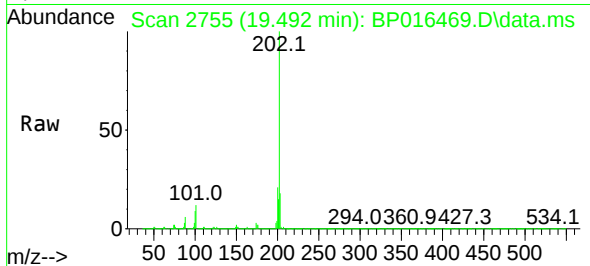
104 5.2 3.8 5.8





#75
Fluoranthene
Concen: 41.523 ng
RT: 19.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

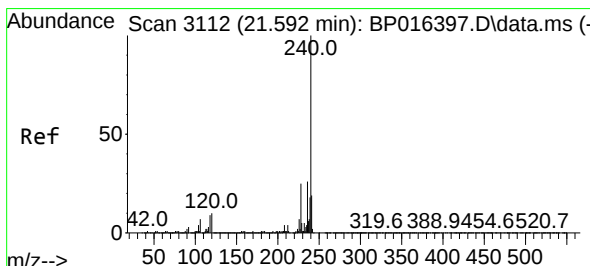
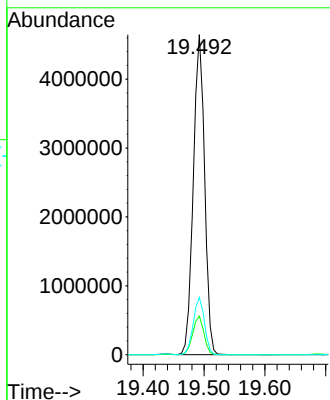
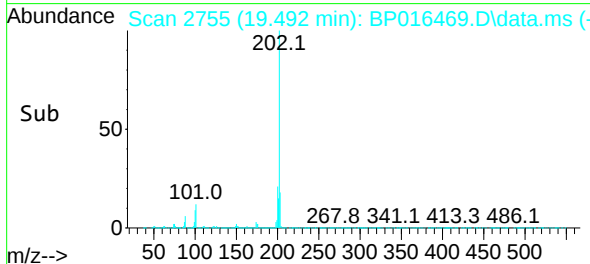
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:202 Resp: 597548
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.2
203 17.9 0.0 37.9

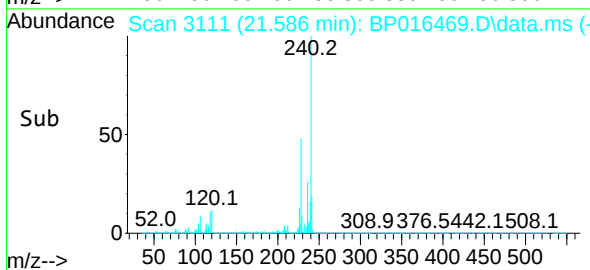
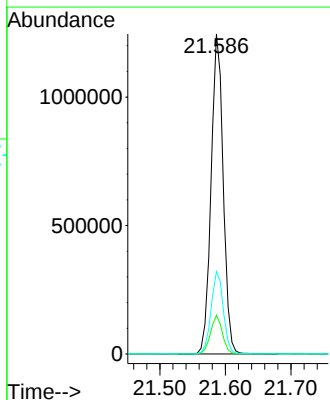
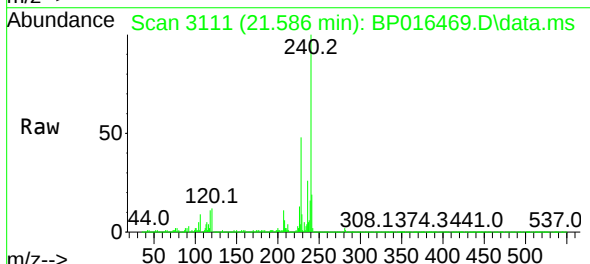
Manual Integrations
APPROVED

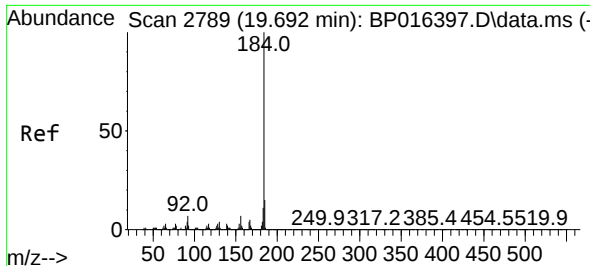
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

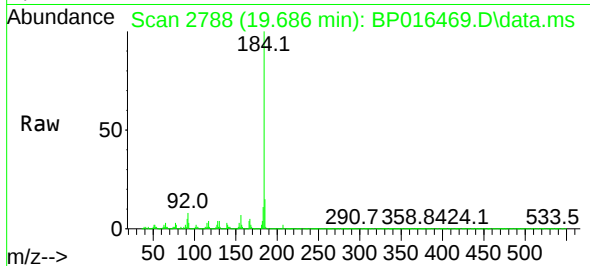
Tgt Ion:240 Resp: 1598434
Ion Ratio Lower Upper
240 100
120 12.1 7.9 11.9#
236 25.8 21.1 31.7





#77
Benzidine
Concen: 64.641 ng
RT: 19.686 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

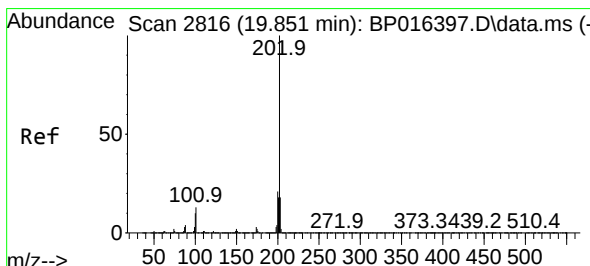
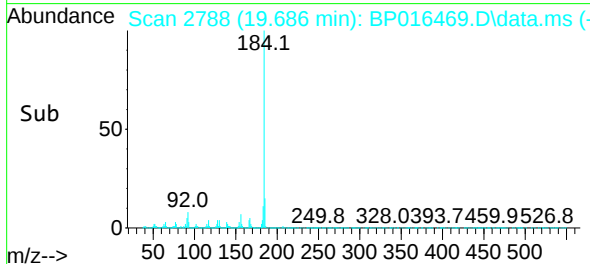
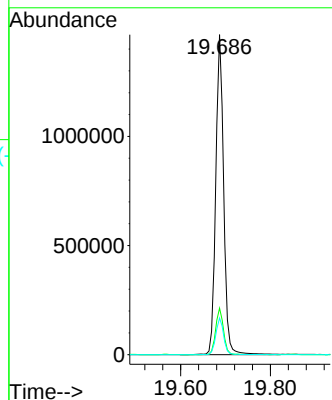
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:184 Resp: 1791399
Ion Ratio Lower Upper
184 100
185 14.6 12.0 18.0
183 11.4 9.2 13.8

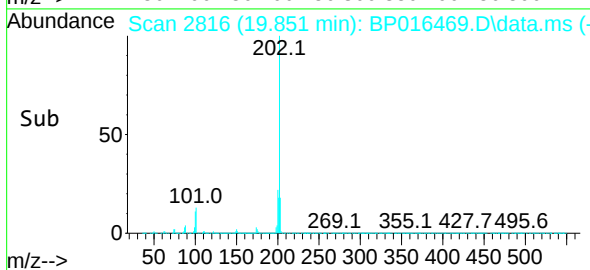
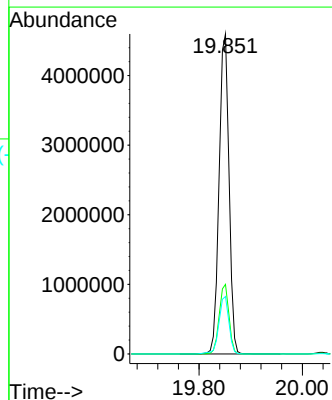
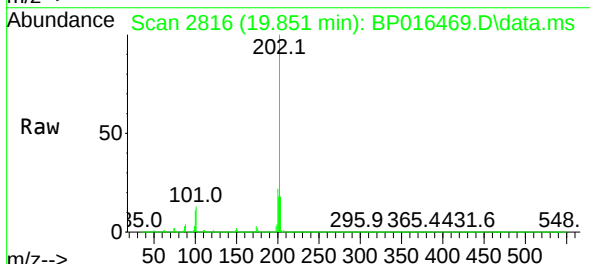
Manual Integrations
APPROVED

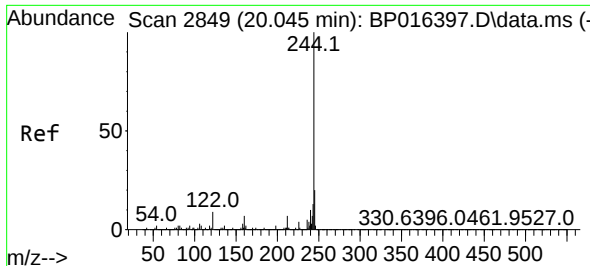
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#78
Pyrene
Concen: 57.007 ng
RT: 19.851 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

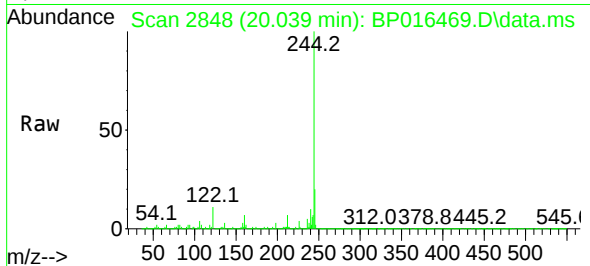
Tgt Ion:202 Resp: 6108363
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 18.0 14.4 21.6





#79
 Terphenyl-d14
 Concen: 111.969 ng
 RT: 20.039 min Scan# 2848
 Delta R.T. -0.006 min
 Lab File: BP016469.D
 Acq: 02 Aug 2023 15:15

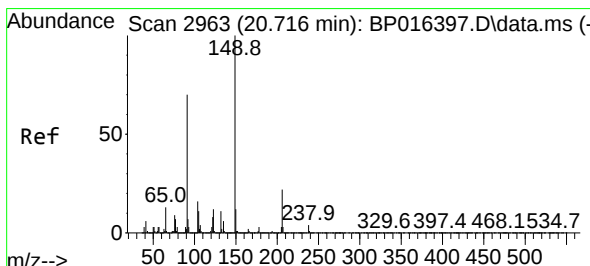
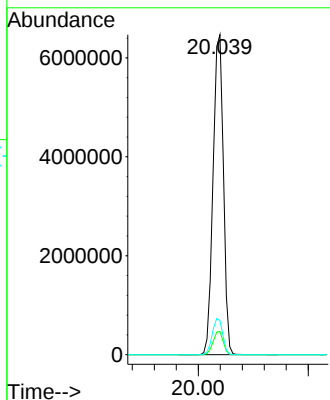
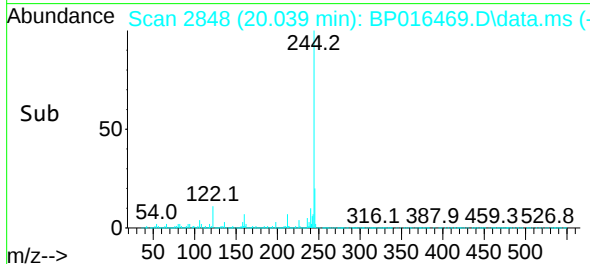
Instrument :
 BNA_P
 ClientSampleId :
 GROVE-SOIL-0731MS



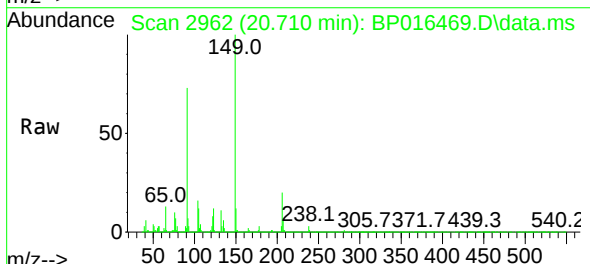
Tgt Ion:244 Resp: 847252
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 10.6 7.4 11.2

Manual Integrations
 APPROVED

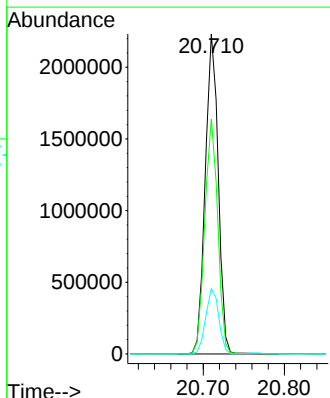
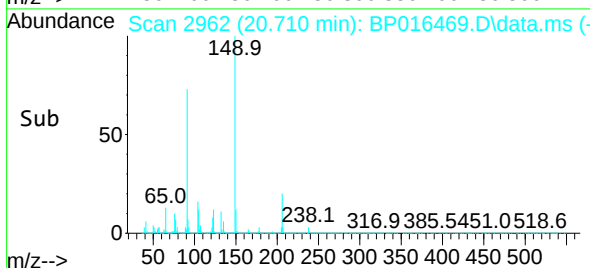
Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

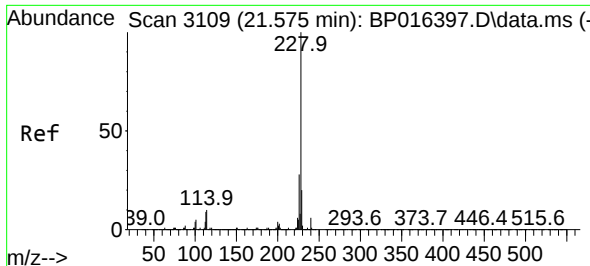


#80
 Butylbenzylphthalate
 Concen: 58.661 ng
 RT: 20.710 min Scan# 2962
 Delta R.T. -0.006 min
 Lab File: BP016469.D
 Acq: 02 Aug 2023 15:15



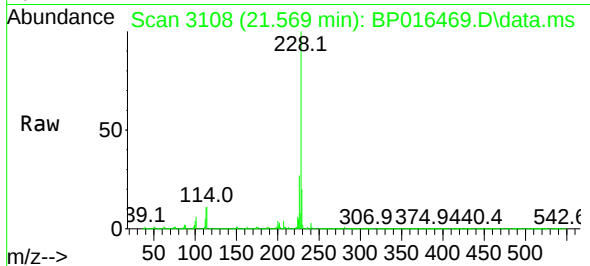
Tgt Ion:149 Resp: 2469362
 Ion Ratio Lower Upper
 149 100
 91 73.5 56.1 84.1
 206 20.4 17.8 26.6





#81
Benzo(a)anthracene
Concen: 46.006 ng
RT: 21.569 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

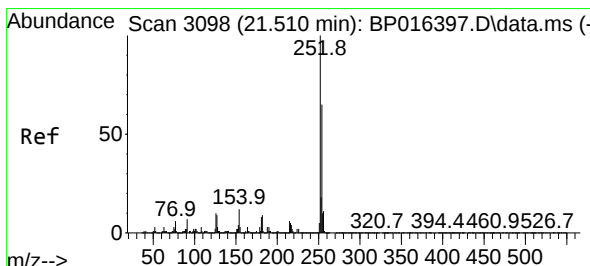
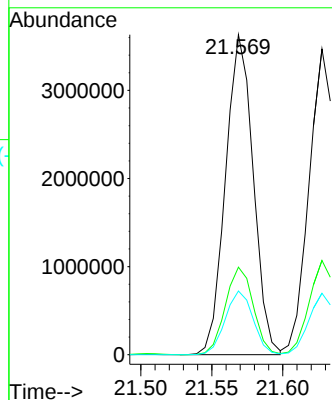
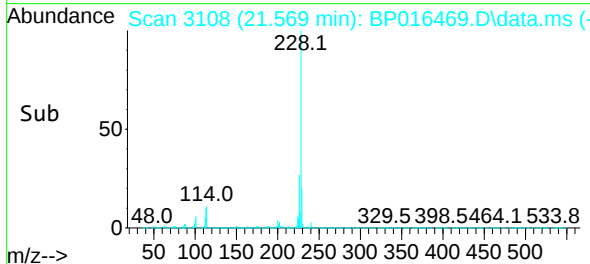
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



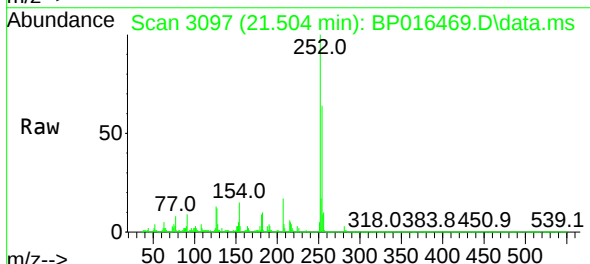
Tgt Ion:228 Resp: 493398
Ion Ratio Lower Upper
228 100
226 27.4 22.4 33.6
229 19.9 16.2 24.4

Manual Integrations
APPROVED

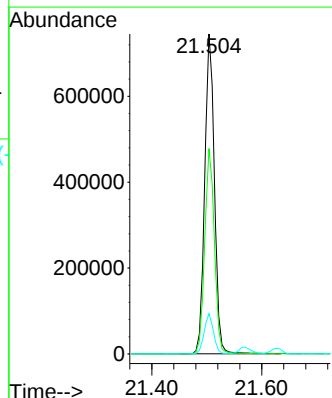
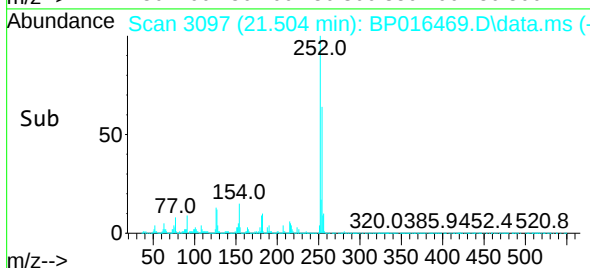
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

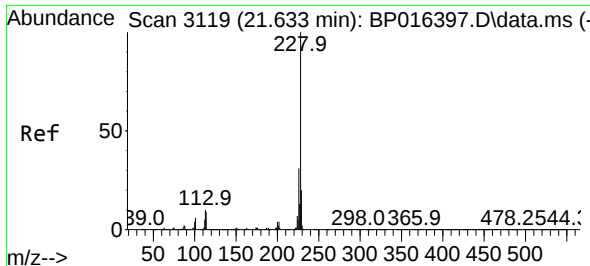


#82
3,3'-Dichlorobenzidine
Concen: 25.915 ng
RT: 21.504 min Scan# 3097
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



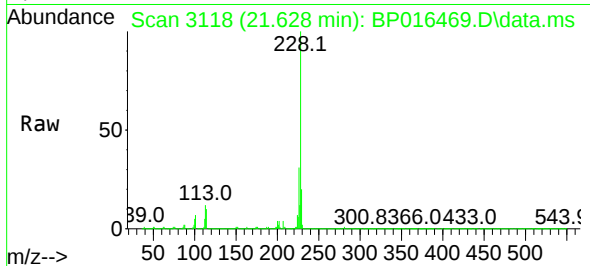
Tgt Ion:252 Resp: 912349
Ion Ratio Lower Upper
252 100
254 64.2 52.2 78.2
126 12.6 7.8 11.6#





#83
Chrysene
Concen: 44.155 ng
RT: 21.628 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

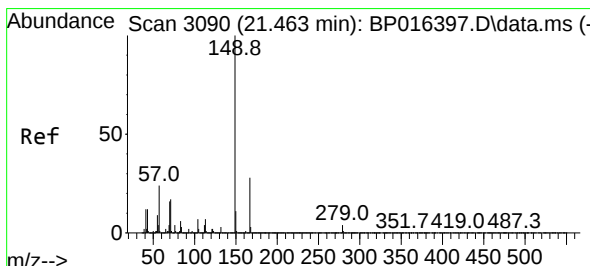
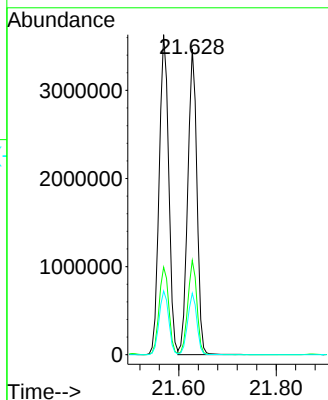
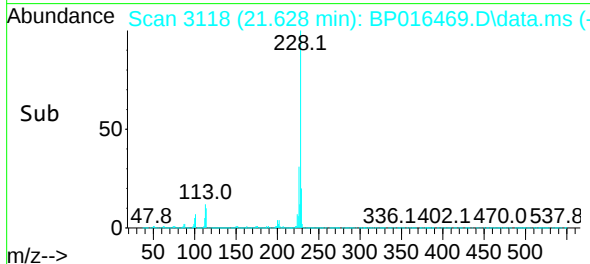
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:228 Resp: 452206
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 20.1 16.0 24.0

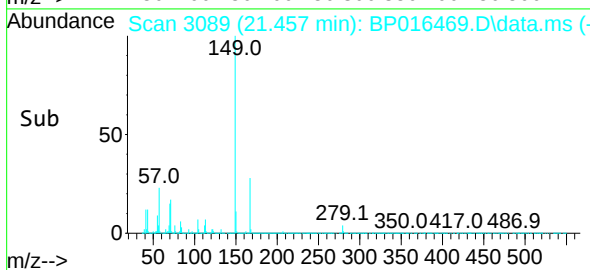
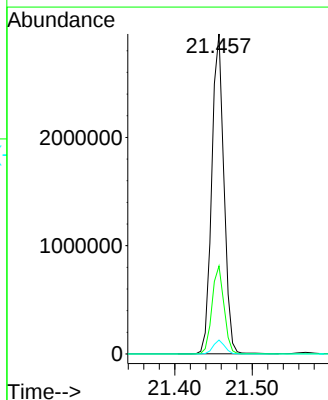
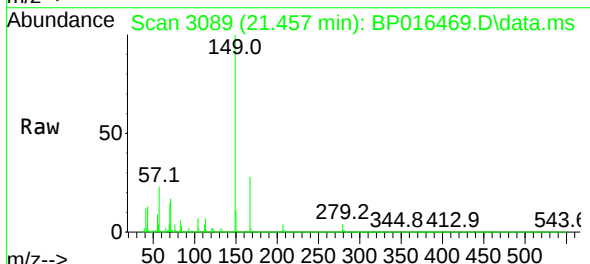
Manual Integrations
APPROVED

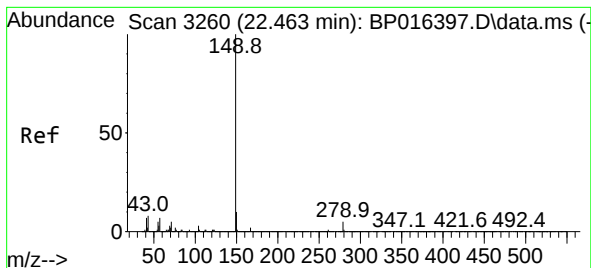
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.920 ng
RT: 21.457 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

Tgt Ion:149 Resp: 3218126
Ion Ratio Lower Upper
149 100
167 27.5 22.5 33.7
279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 42.520 ng

RT: 22.451 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP016469.D

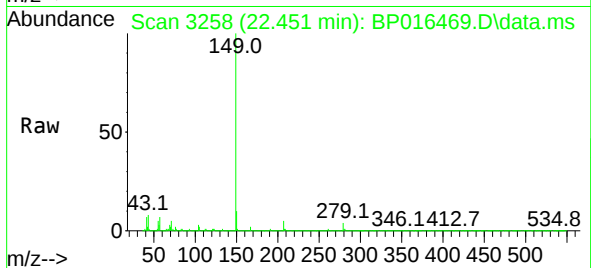
Acq: 02 Aug 2023 15:15

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MS



Tgt Ion:149 Resp: 451950

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

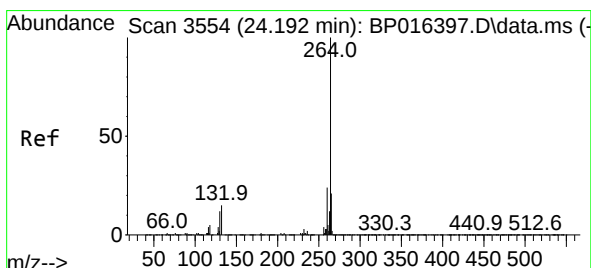
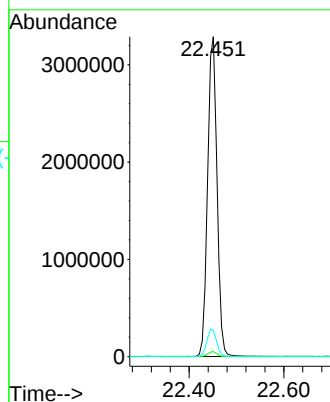
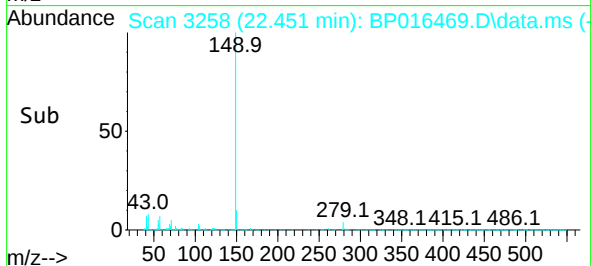
43 8.8 6.6 9.8

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: 24.180 min Scan# 3552

Delta R.T. -0.012 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

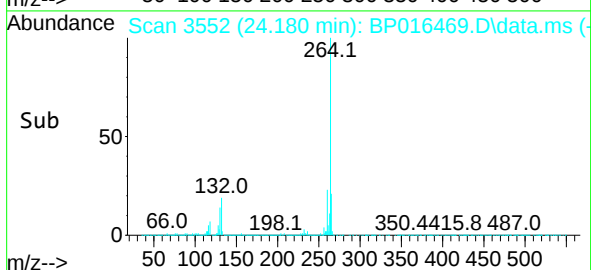
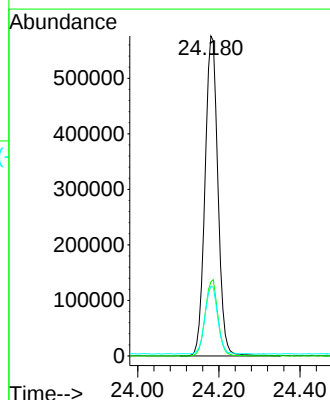
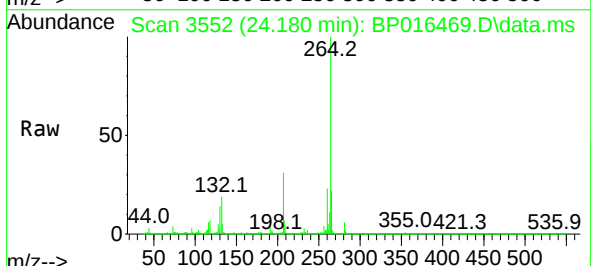
Tgt Ion:264 Resp: 1269680

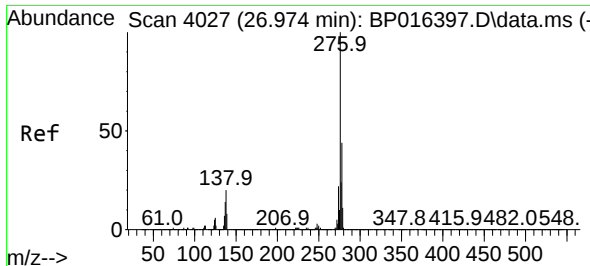
Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

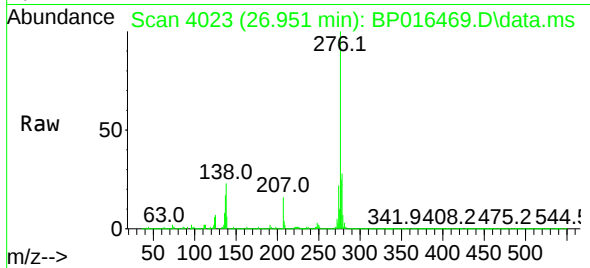
265 21.8 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 51.001 ng
RT: 26.951 min Scan# 4023
Delta R.T. -0.023 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

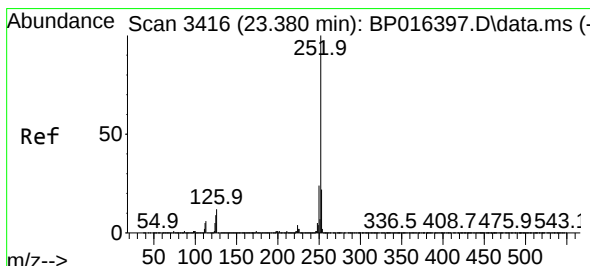
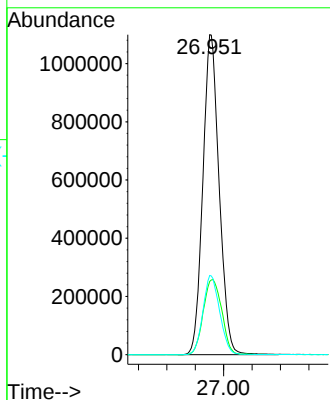
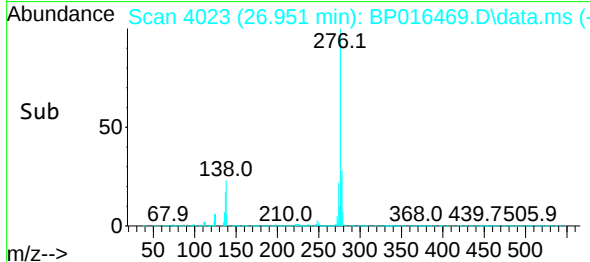
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



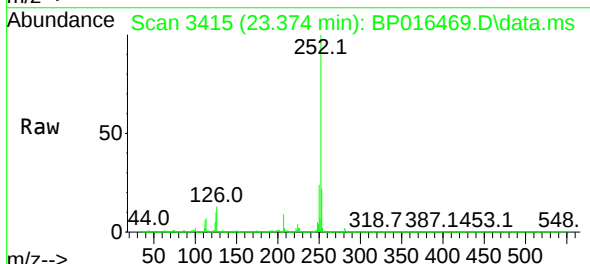
Tgt Ion: 276 Resp: 436570
Ion Ratio Lower Upper
276 100
138 26.6 18.4 27.6
277 25.5 20.4 30.6

Manual Integrations
APPROVED

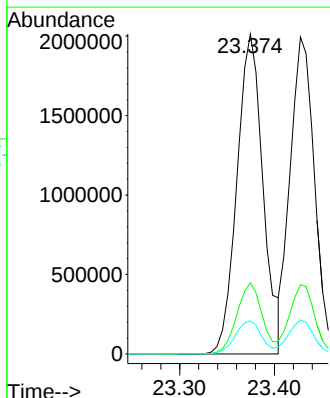
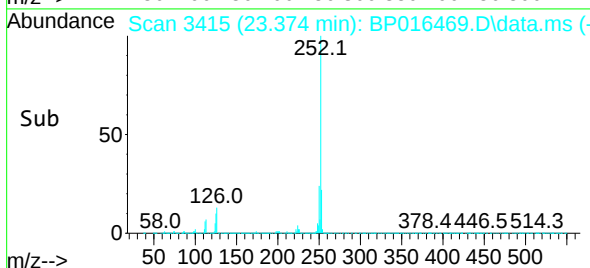
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

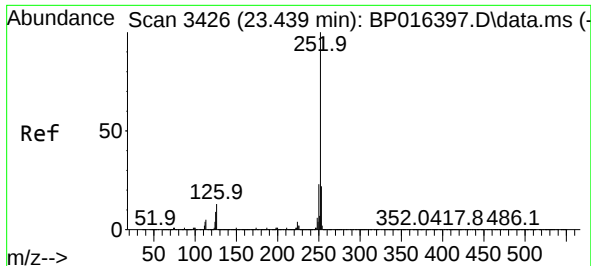


#88
Benzo(b)fluoranthene
Concen: 52.210 ng
RT: 23.374 min Scan# 3415
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15



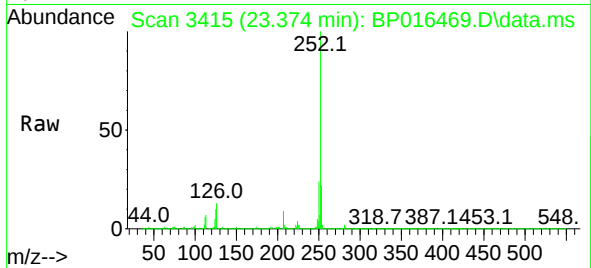
Tgt Ion: 252 Resp: 3842636
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.3 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 51.337 ng
RT: 23.374 min Scan# 3415
Delta R.T. -0.065 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

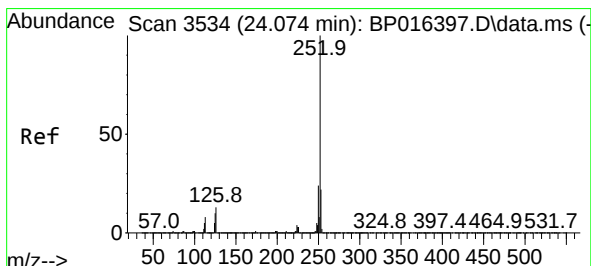
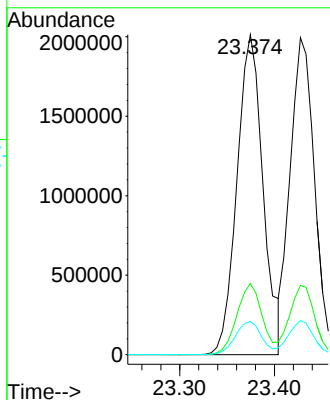
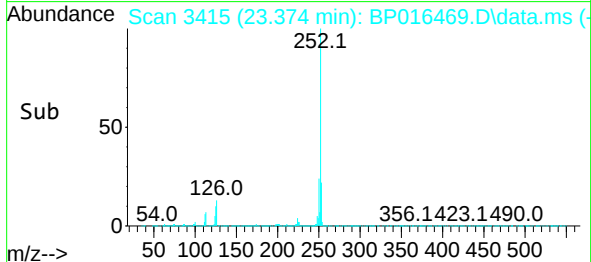
Instrument :
BNA_P
ClientSampleId :
GROVE-SOIL-0731MS



Tgt Ion:252 Resp: 3842630
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.3 7.1 10.7

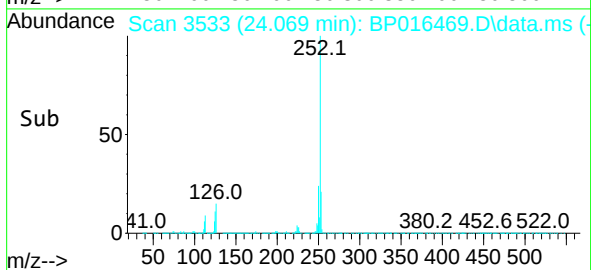
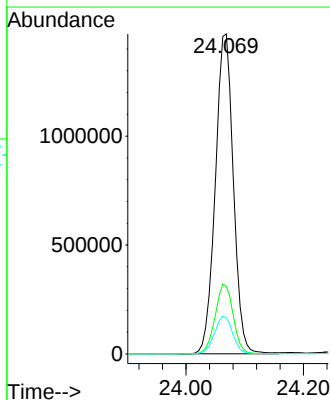
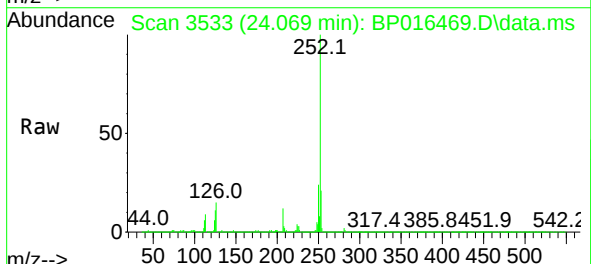
Manual Integrations
APPROVED

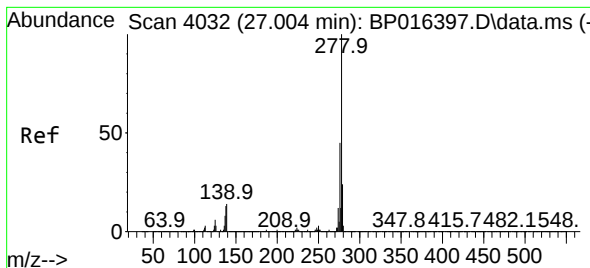
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#90
Benzo(a)pyrene
Concen: 43.848 ng
RT: 24.069 min Scan# 3533
Delta R.T. -0.006 min
Lab File: BP016469.D
Acq: 02 Aug 2023 15:15

Tgt Ion:252 Resp: 3125866
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 11.3 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 50.571 ng

RT: 26.986 min Scan# 4032

Delta R.T. -0.018 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

Instrument :

BNA_P

ClientSampleId :

GROVE-SOIL-0731MS

Tgt Ion:278 Resp: 361001

Ion Ratio Lower Upper

278 100

139 17.1 11.6 17.4

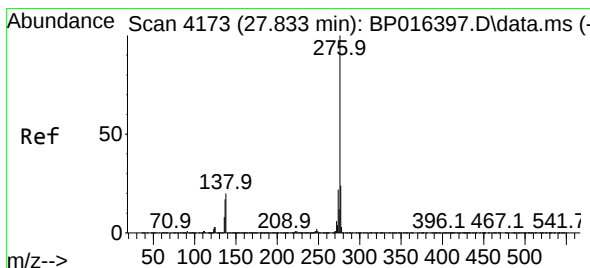
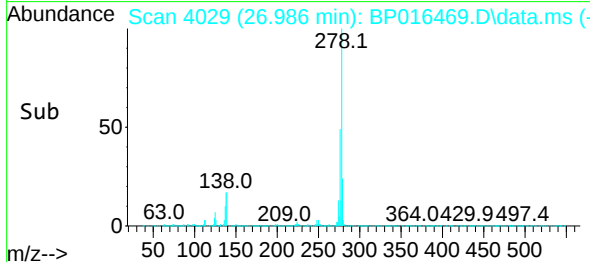
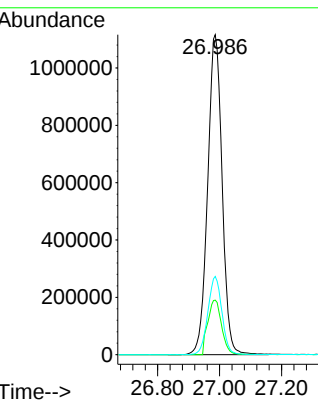
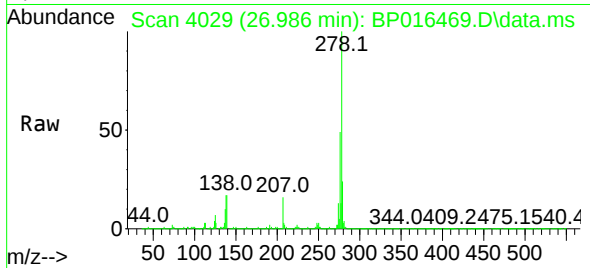
279 24.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#92

Benzo(g,h,i)perylene

Concen: 52.876 ng

RT: 27.821 min Scan# 4171

Delta R.T. -0.012 min

Lab File: BP016469.D

Acq: 02 Aug 2023 15:15

Tgt Ion:276 Resp: 3637444

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 22.4 16.1 24.1

