

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011623\
 Data File : BP013477.D
 Acq On : 16 Jan 2023 12:10
 Operator : CG/JU
 Sample : N3214-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022

Quant Time: Jan 17 03:42:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 13 03:32:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/17/2023
 Supervised By : Jagrut Upadhyay 01/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	429673	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	1784303	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	1240157	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	2878511	20.000	ng	0.00
76) Chrysene-d12	21.410	240	3056914	20.000	ng	0.00
86) Perylene-d12	23.874	264	3695546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	2405495	98.343	ng	0.00
7) Phenol-d6	7.069	99	3286991	95.068	ng	0.00
23) Nitrobenzene-d5	9.081	82	2402624	71.538	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	1896224	97.954	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	6196501	73.042	ng	0.00
79) Terphenyl-d14	19.875	244	10516051	70.330	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	77043	8.032	ng	98
3) Pyridine	3.752	79	205914	6.886	ng	98
4) n-Nitrosodimethylamine	3.658	42	109445	7.633	ng	# 94
6) Aniline	7.234	93	333761	7.224	ng	99
8) 2-Chlorophenol	7.469	128	214554	7.579	ng	99
9) Benzaldehyde	7.046	77	181371m	8.690	ng	
10) Phenol	7.099	94	273216	7.656	ng	96
11) bis(2-Chloroethyl)ether	7.328	93	217953	7.534	ng	98
12) 1,3-Dichlorobenzene	7.793	146	240535	8.065	ng	98
13) 1,4-Dichlorobenzene	7.940	146	246559	8.112	ng	99
14) 1,2-Dichlorobenzene	8.264	146	240287	8.092	ng	98
15) Benzyl Alcohol	8.152	79	186821	7.012	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.434	45	352164	7.868	ng	98
17) 2-Methylphenol	8.358	107	180416	6.829	ng	98
18) Hexachloroethane	8.993	117	85255	7.920	ng	100
19) n-Nitroso-di-n-propyla...	8.716	70	180248	7.304	ng	95
20) 3+4-Methylphenols	8.681	107	244680	6.666	ng	98
22) Acetophenone	8.740	105	353139	7.728	ng	# 98
24) Nitrobenzene	9.122	77	263940	7.598	ng	98
25) Isophorone	9.646	82	504502	7.298	ng	97
26) 2-Nitrophenol	9.834	139	116629	6.792	ng	98
27) 2,4-Dimethylphenol	9.893	122	192401	6.806	ng	99
28) bis(2-Chloroethoxy)met...	10.128	93	308032	7.555	ng	99
29) 2,4-Dichlorophenol	10.369	162	215084	7.251	ng	98
30) 1,2,4-Trichlorobenzene	10.587	180	242579	7.727	ng	97
31) Naphthalene	10.769	128	720189	7.633	ng	99
32) Benzoic acid	9.975	122	135191m	5.734	ng	
33) 4-Chloroaniline	10.887	127	298307	6.921	ng	99
34) Hexachlorobutadiene	11.052	225	157116	7.939	ng	99
35) Caprolactam	11.669	113	74399	7.039	ng	96
36) 4-Chloro-3-methylphenol	12.010	107	231030	7.147	ng	97
37) 2-Methylnaphthalene	12.381	142	520531	7.348	ng	99
38) 1-Methylnaphthalene	12.599	142	501265	7.501	ng	98
40) 1,2,4,5-Tetrachloroben...	12.752	216	303946	7.477	ng	99
41) Hexachlorocyclopentadiene	12.722	237	140062	6.608	ng	98
43) 2,4,6-Trichlorophenol	12.993	196	196003	7.013	ng	99

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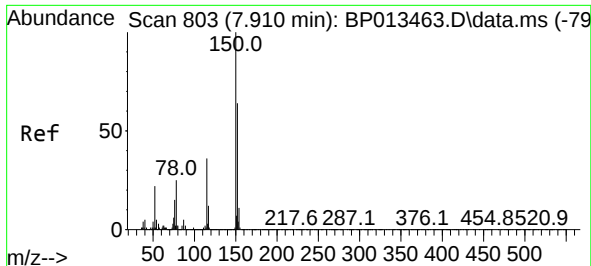
Quant Time: Jan 17 03:42:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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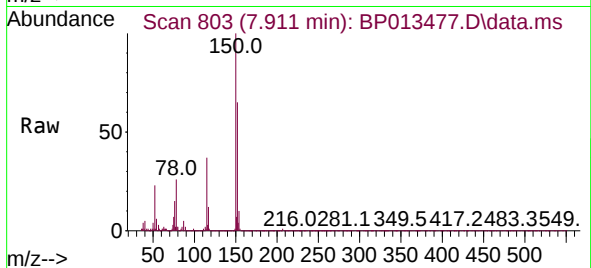
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.063	196	210771	6.427	ng	99
46) 1,1'-Biphenyl	13.393	154	716806	7.645	ng	98
47) 2-Chloronaphthalene	13.434	162	548198	7.623	ng	99
48) 2-Nitroaniline	13.646	65	149911	6.333	ng	94
49) Acenaphthylene	14.281	152	862873	7.276	ng	99
50) Dimethylphthalate	14.010	163	716980	7.291	ng	99
51) 2,6-Dinitrotoluene	14.140	165	145959	6.804	ng	95
52) Acenaphthene	14.622	154	525782	7.491	ng	97
53) 3-Nitroaniline	14.469	138	143964	6.273	ng	93
54) 2,4-Dinitrophenol	14.681	184	78925	5.414	ng	98
55) Dibenzofuran	14.957	168	870371	7.479	ng	99
56) 4-Nitrophenol	14.781	139	120580	6.539	ng	97
57) 2,4-Dinitrotoluene	14.928	165	192779	6.572	ng	94
58) Fluorene	15.610	166	707189	7.700	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.187	232	195682	6.900	ng	98
60) Diethylphthalate	15.375	149	700192	7.276	ng	99
61) 4-Chlorophenyl-phenylether	15.598	204	373668	7.662	ng	99
62) 4-Nitroaniline	15.634	138	144163	6.135	ng	98
63) Azobenzene	15.898	77	633177	7.166	ng	98
65) 4,6-Dinitro-2-methylphthalate	15.698	198	111566	5.667	ng	99
66) n-Nitrosodiphenylamine	15.816	169	613494	7.253	ng	99
67) 4-Bromophenyl-phenylether	16.504	248	233601	7.050	ng	98
68) Hexachlorobenzene	16.616	284	281645	7.805	ng	99
69) Atrazine	16.775	200	234625	7.574	ng	99
70) Pentachlorophenol	16.969	266	151922	5.744	ng	97
71) Phenanthrene	17.363	178	1155206	7.606	ng	99
72) Anthracene	17.451	178	1151491	7.451	ng	99
73) Carbazole	17.728	167	1048955	7.452	ng	100
74) Di-n-butylphthalate	18.269	149	1177050	7.204	ng	100
75) Fluoranthene	19.328	202	1414396	7.753	ng	99
77) Benzidine	19.510	184	766851	8.442	ng	99
78) Pyrene	19.681	202	1504067	7.481	ng	97
80) Butylbenzylphthalate	20.545	149	556637	6.405	ng	95
81) Benzo(a)anthracene	21.392	228	1581043	7.680	ng	98
82) 3,3'-Dichlorobenzidine	21.322	252	627652	8.160	ng	98
83) Chrysene	21.451	228	1489972	7.660	ng	98
84) Bis(2-ethylhexyl)phthalate	21.304	149	868352	6.904	ng	98
85) Di-n-octyl phthalate	22.245	149	1522185	7.129	ng	98
87) Indeno(1,2,3-cd)pyrene	26.445	276	1980362	7.410	ng	99
88) Benzo(b)fluoranthene	23.116	252	1664075	7.584	ng	100
89) Benzo(k)fluoranthene	23.169	252	1686722	7.920	ng	98
90) Benzo(a)pyrene	23.763	252	1502908	6.972	ng	99
91) Dibenzo(a,h)anthracene	26.463	278	1727660	7.764	ng	99
92) Benzo(g,h,i)perylene	27.233	276	1708876	7.783	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 80
Delta R.T. 0.001 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

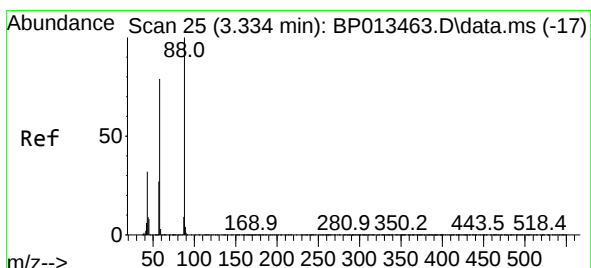
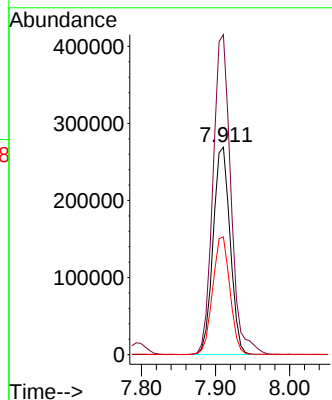
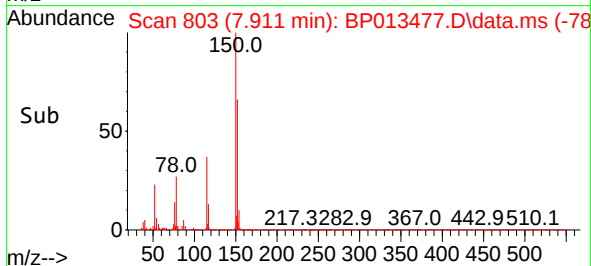
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:152 Resp: 429673
Ion Ratio Lower Upper
152 100
150 154.2 125.7 188.5
115 56.7 45.8 68.8

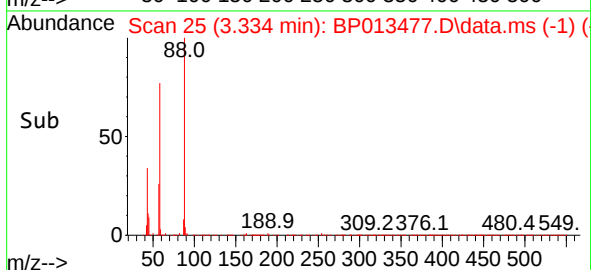
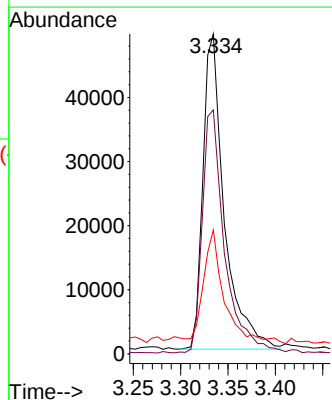
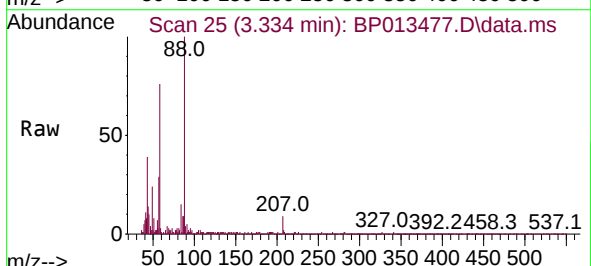
Manual Integrations
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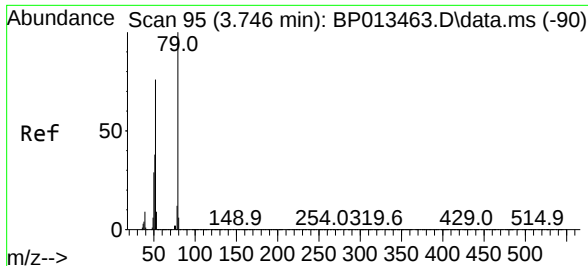
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#2
1,4-Dioxane
Concen: 8.032 ng
RT: 3.334 min Scan# 25
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

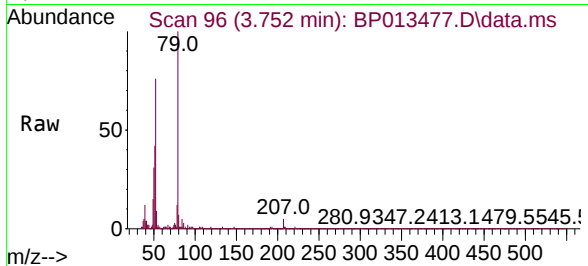
Tgt Ion: 88 Resp: 77043
Ion Ratio Lower Upper
88 100
58 80.3 63.4 95.0
43 35.4 26.2 39.4





#3
Pyridine
Concen: 6.886 ng
RT: 3.752 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

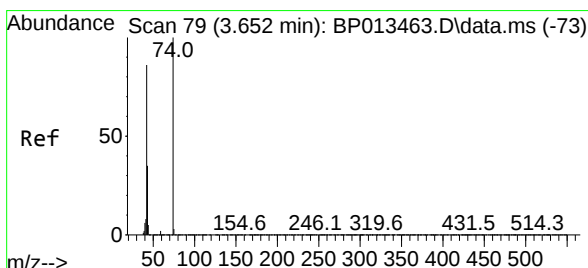
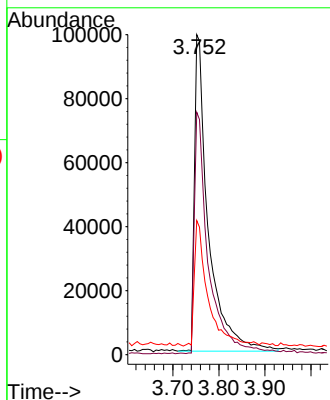
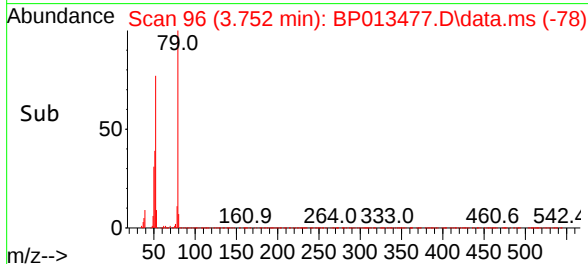
Instrument :
BNA_P
Client Sample Id :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 79 Resp: 205914
Ion Ratio Lower Upper
79 100
52 75.7 60.6 91.0
51 41.9 31.0 46.4

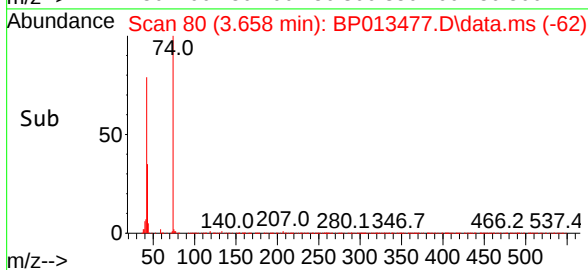
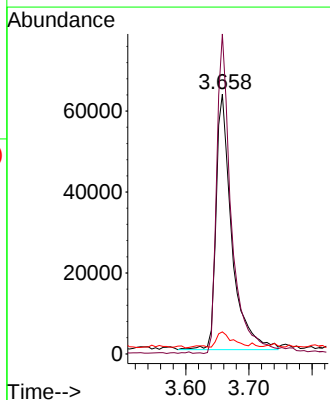
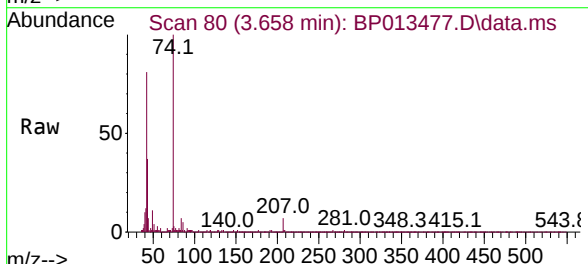
Manual Integrations
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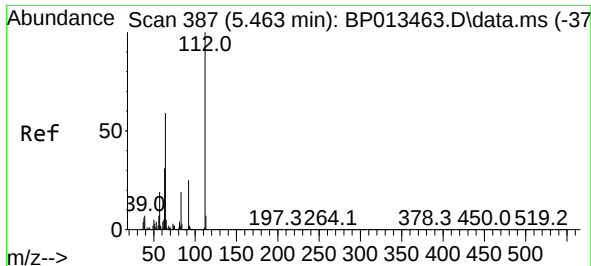
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#4
n-Nitrosodimethylamine
Concen: 7.633 ng
RT: 3.658 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

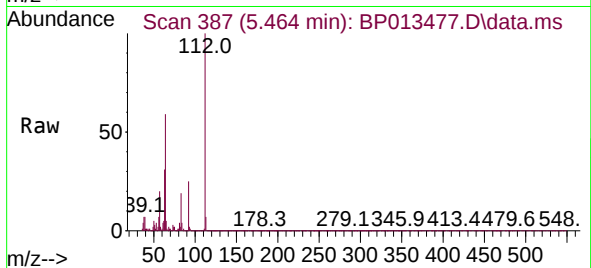
Tgt Ion: 42 Resp: 109445
Ion Ratio Lower Upper
42 100
74 123.2 93.3 139.9
44 8.5 5.1 7.7





#5
2-Fluorophenol
Concen: 98.343 ng
RT: 5.464 min Scan# 387
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

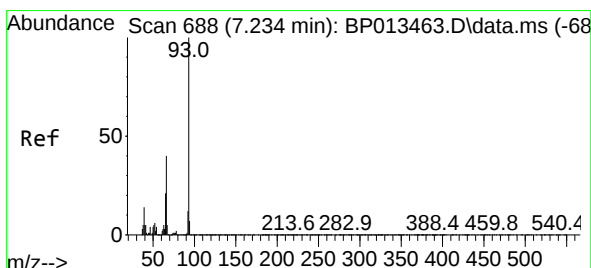
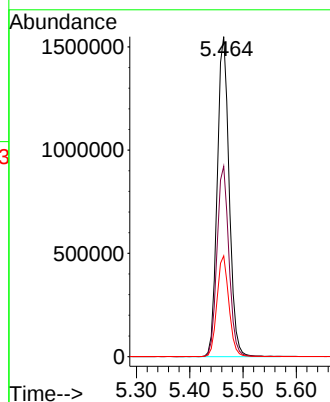
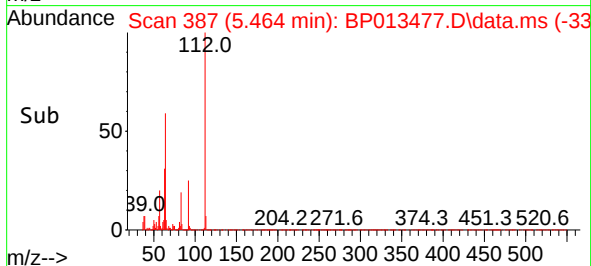
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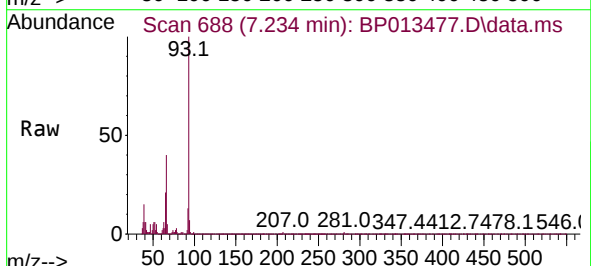
Tgt Ion: 112 Resp: 2405495
Ion Ratio Lower Upper
112 100
64 59.5 47.5 71.3
63 31.5 25.0 37.4

Manual Integrations
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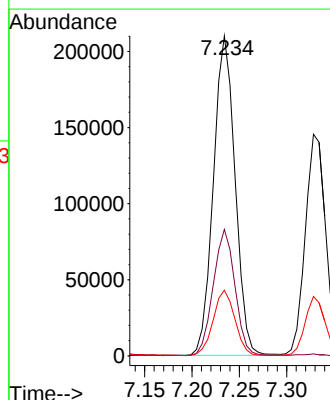
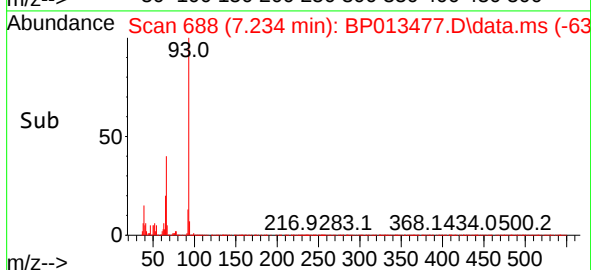
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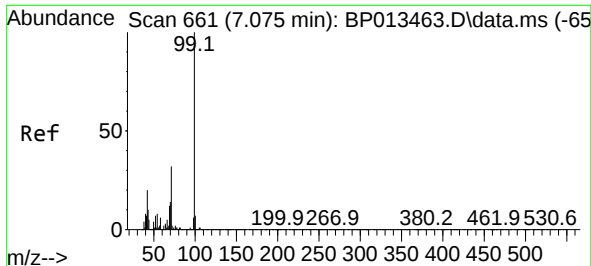


#6
Aniline
Concen: 7.224 ng
RT: 7.234 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



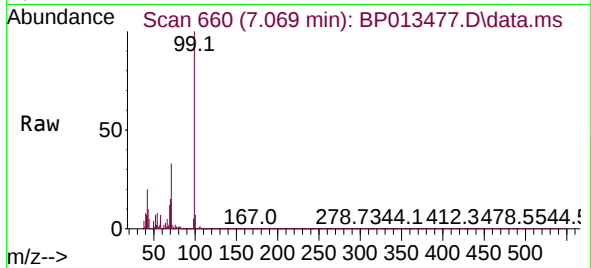
Tgt Ion: 93 Resp: 333761
Ion Ratio Lower Upper
93 100
66 39.6 31.9 47.9
65 20.6 16.6 25.0





#7
Phenol-d6
Concen: 95.068 ng
RT: 7.069 min Scan# 661
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

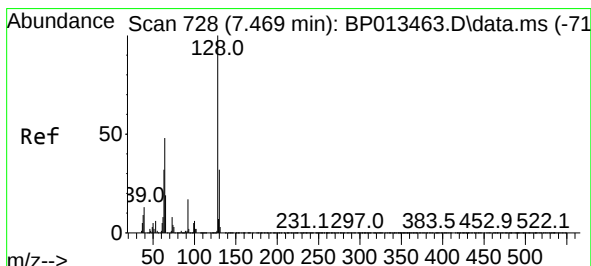
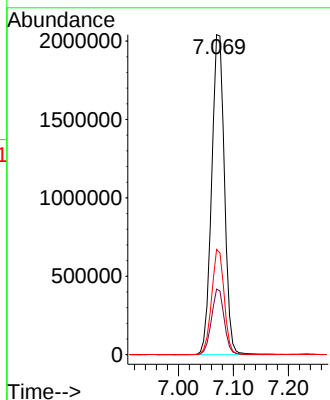
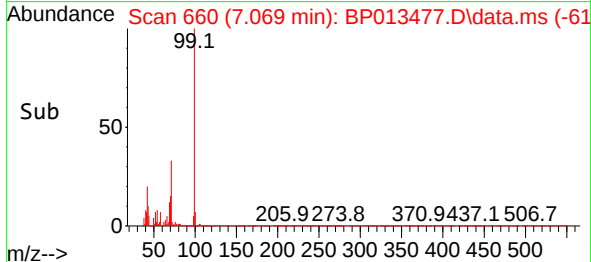
Instrument :
BNA_P
Client Sample Id :
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Tgt Ion: 99 Resp: 328699
Ion Ratio Lower Upper
99 100
42 20.5 15.8 23.6
71 32.9 25.6 38.4

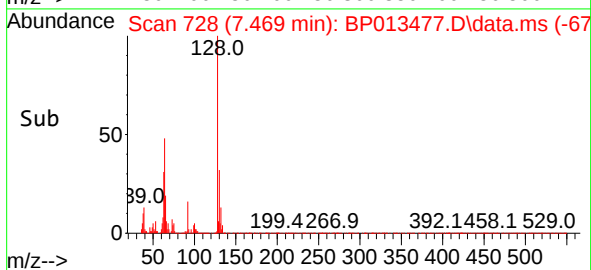
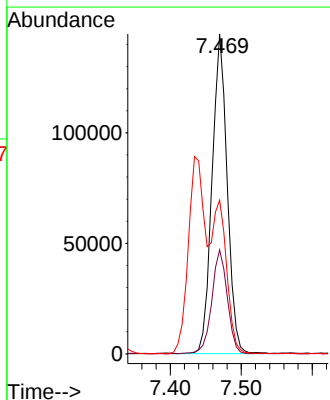
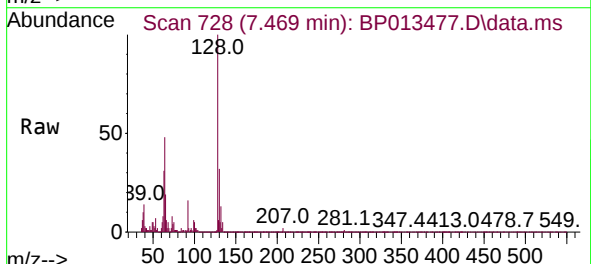
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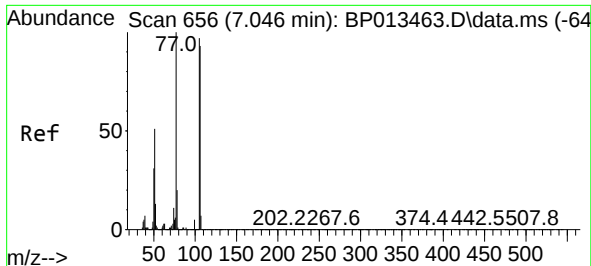
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#8
2-Chlorophenol
Concen: 7.579 ng
RT: 7.469 min Scan# 728
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

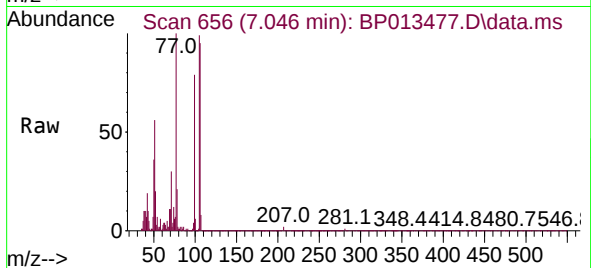
Tgt Ion:128 Resp: 214554
Ion Ratio Lower Upper
128 100
130 32.5 11.7 51.7
64 48.0 28.6 68.6





#9
Benzaldehyde
Concen: 8.690 ng m
RT: 7.046 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

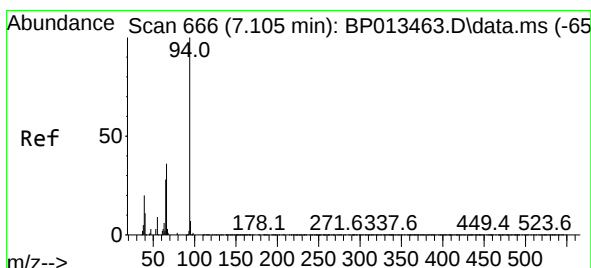
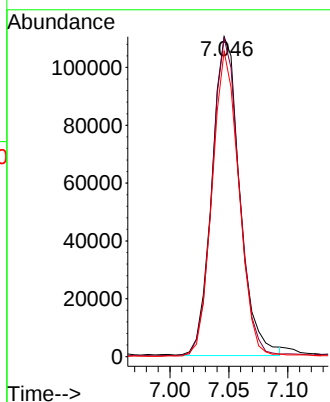
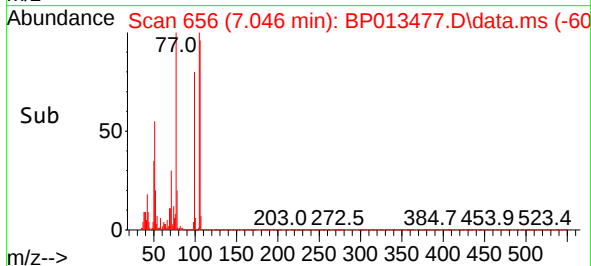
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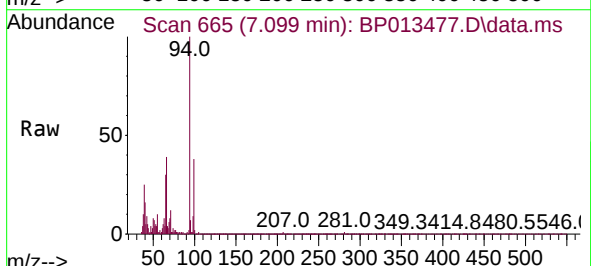
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Ion Ratio Lower Upper
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105 99.4 77.3 117.3
106 95.4 73.1 113.1

Manual Integrations
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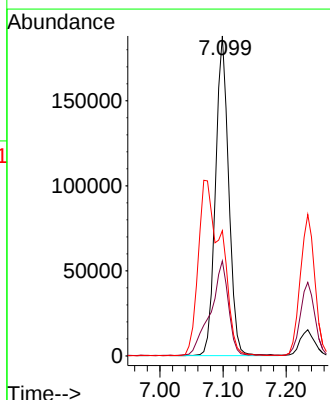
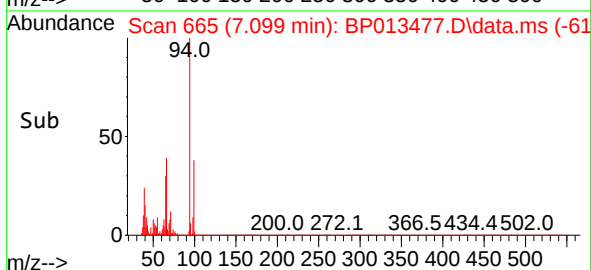
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

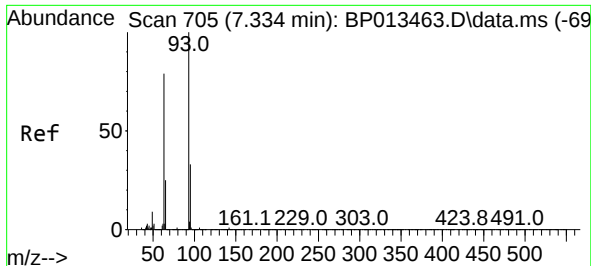


#10
Phenol
Concen: 7.656 ng
RT: 7.099 min Scan# 665
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



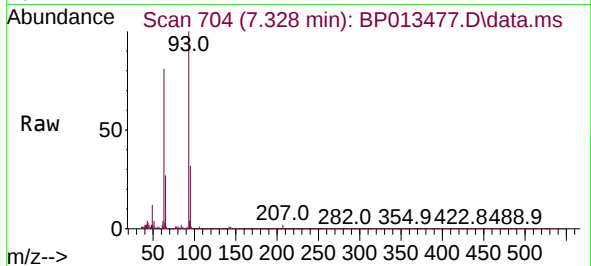
Tgt Ion: 94 Resp: 273216
Ion Ratio Lower Upper
94 100
65 29.7 8.3 48.3
66 39.1 16.6 56.6





#11
bis(2-Chloroethyl)ether
Concen: 7.534 ng
RT: 7.328 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

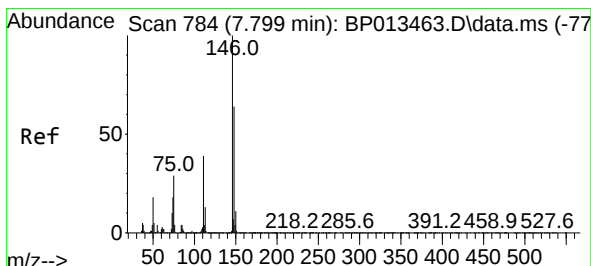
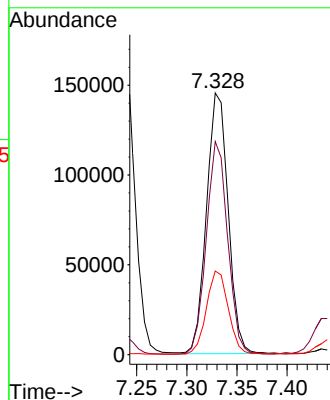
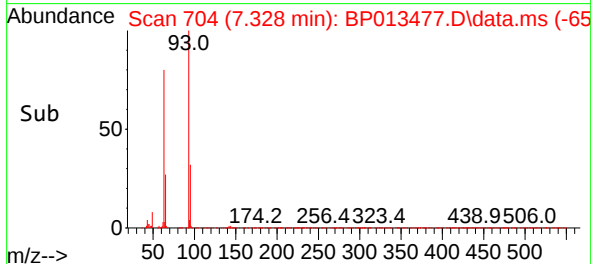
Instrument : BNA_P
Client Sample Id : LOD-MDL-SOIL-01-QT2-2022



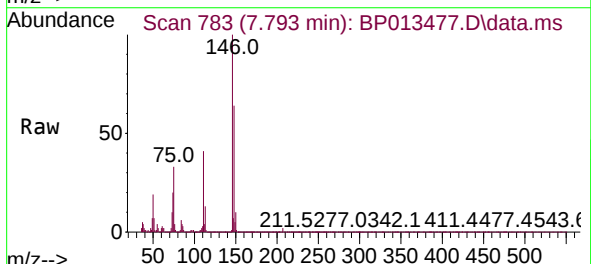
Tgt Ion: 93 Resp: 217953
Ion Ratio Lower Upper
93 100
63 81.5 59.3 99.3
95 31.9 12.8 52.8

Manual Integrations
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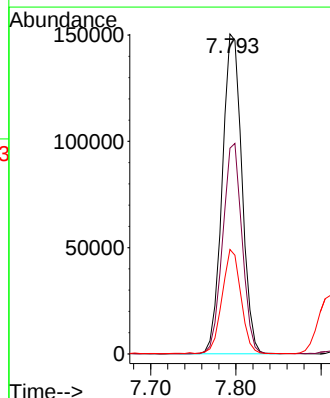
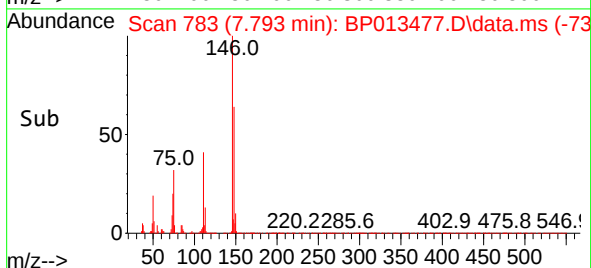
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

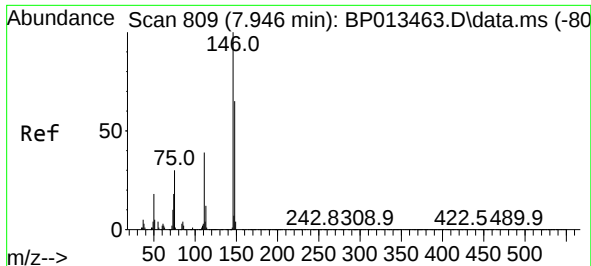


#12
1,3-Dichlorobenzene
Concen: 8.065 ng
RT: 7.793 min Scan# 783
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



Tgt Ion:146 Resp: 240535
Ion Ratio Lower Upper
146 100
148 64.3 51.5 77.3
75 32.6 23.6 35.4





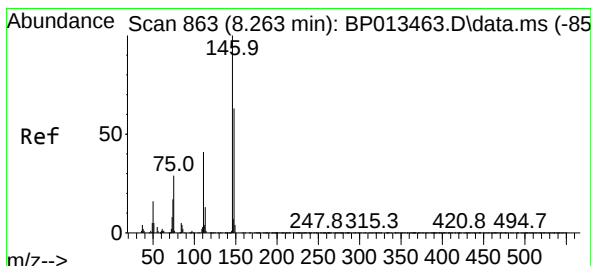
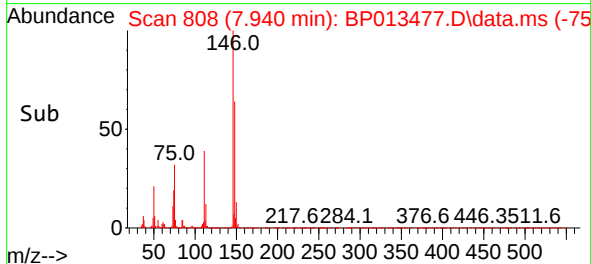
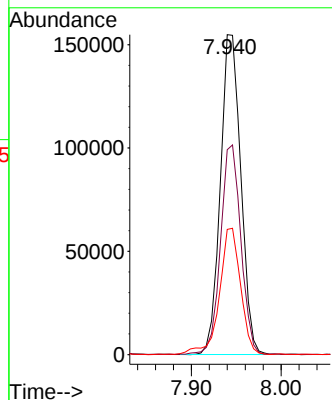
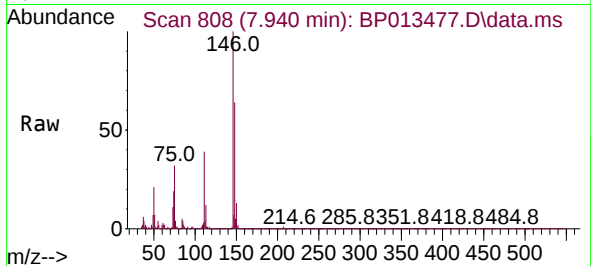
#13
1,4-Dichlorobenzene
Concen: 8.112 ng
RT: 7.940 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:146 Resp: 246559
Ion Ratio Lower Upper
146 100
148 64.0 52.0 78.0
111 39.1 31.4 47.2

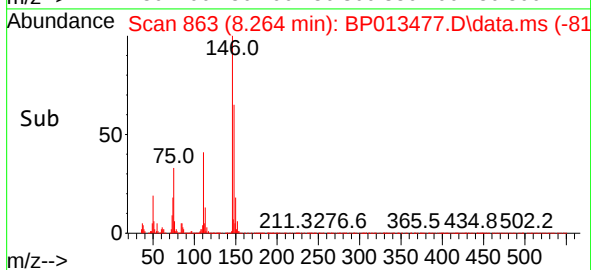
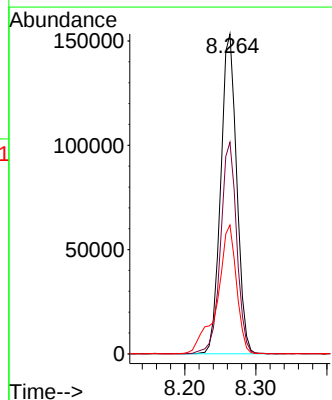
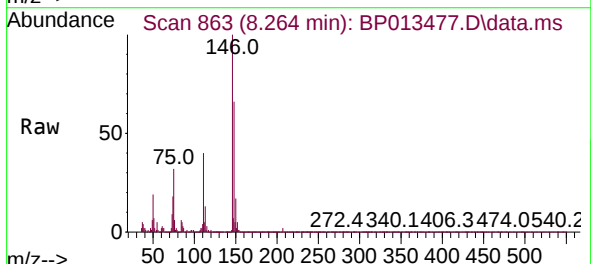
Manual Integrations
APPROVED

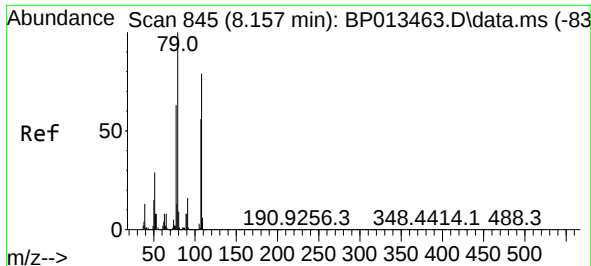
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#14
1,2-Dichlorobenzene
Concen: 8.092 ng
RT: 8.264 min Scan# 863
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

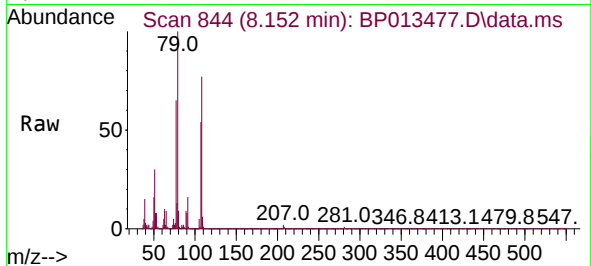
Tgt Ion:146 Resp: 240287
Ion Ratio Lower Upper
146 100
148 66.1 50.9 76.3
111 40.3 32.7 49.1





#15
Benzyl Alcohol
Concen: 7.012 ng
RT: 8.152 min Scan# 845
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

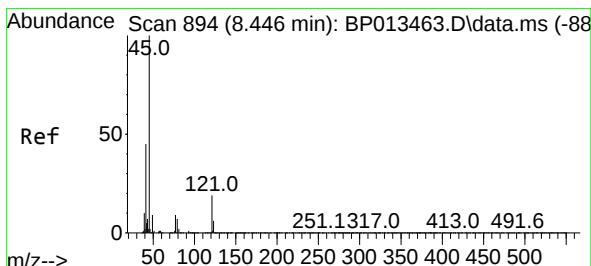
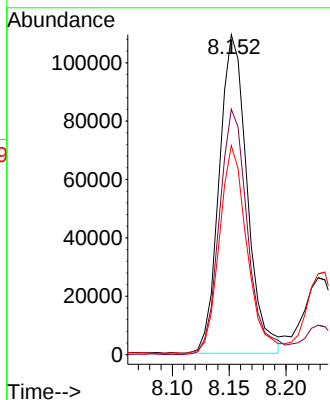
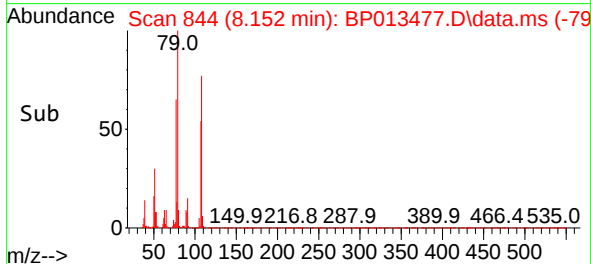
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022



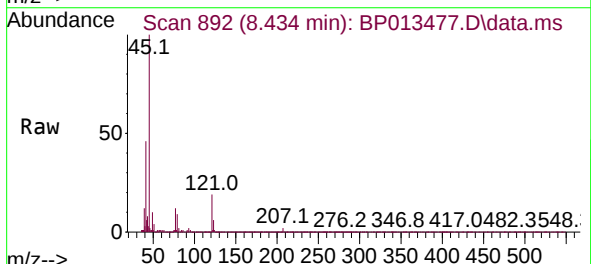
Tgt Ion: 79 Resp: 186821
Ion Ratio Lower Upper
79 100
108 76.7 63.2 94.8
77 65.3 50.5 75.7

Manual Integrations
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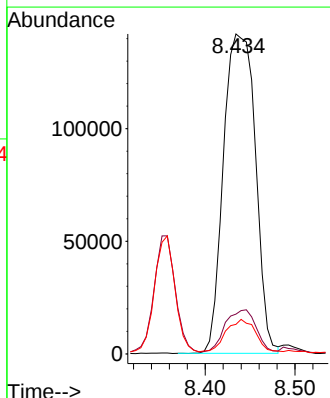
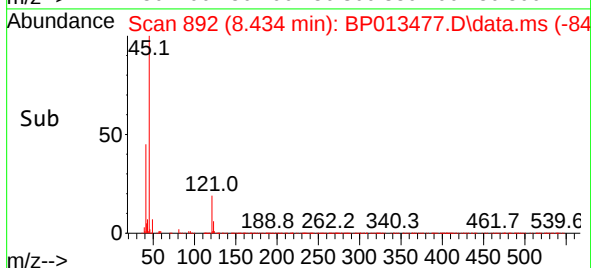
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

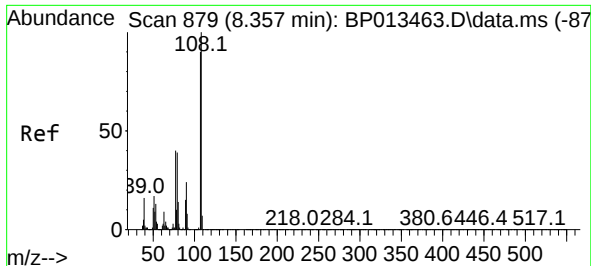


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.868 ng
RT: 8.434 min Scan# 892
Delta R.T. -0.012 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



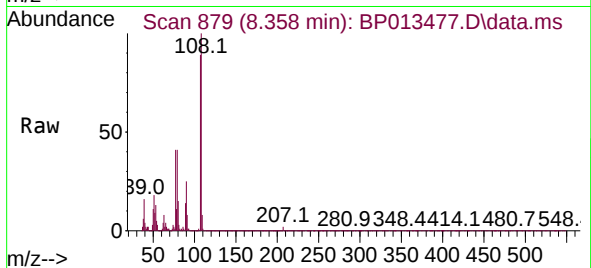
Tgt Ion: 45 Resp: 352164
Ion Ratio Lower Upper
45 100
77 12.4 0.0 32.8
79 9.2 0.0 30.3





#17
2-Methylphenol
Concen: 6.829 ng
RT: 8.358 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

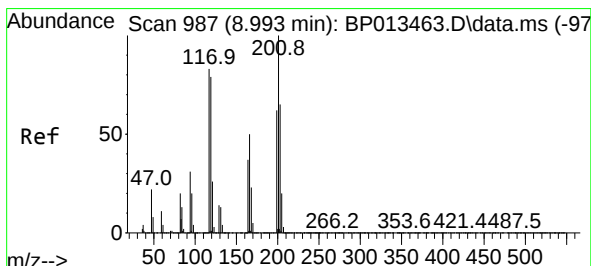
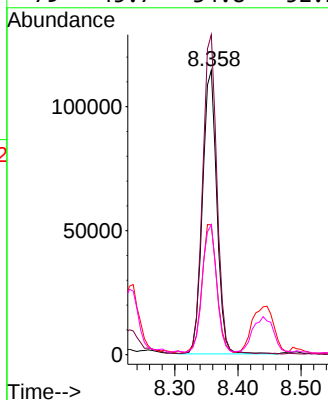
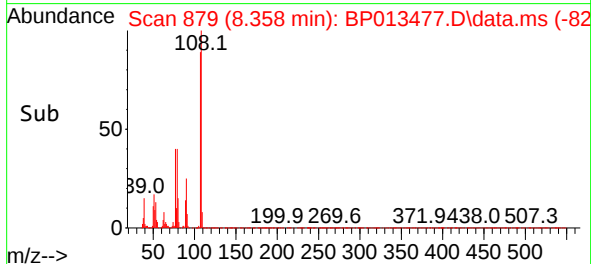
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



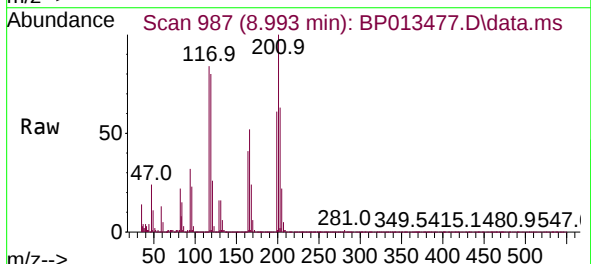
Tgt Ion:107 Resp: 180416
Ion Ratio Lower Upper
107 100
108 112.6 88.8 133.2
77 45.7 35.8 53.8
79 45.7 34.8 52.2

Manual Integrations
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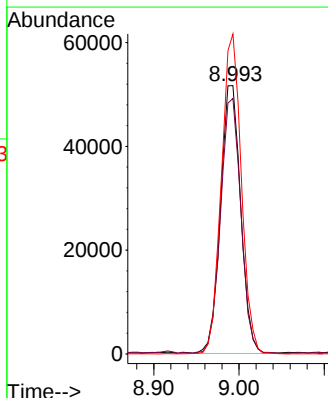
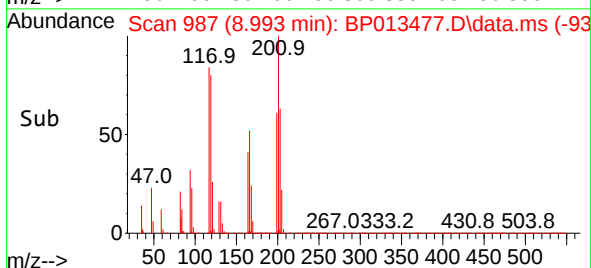
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

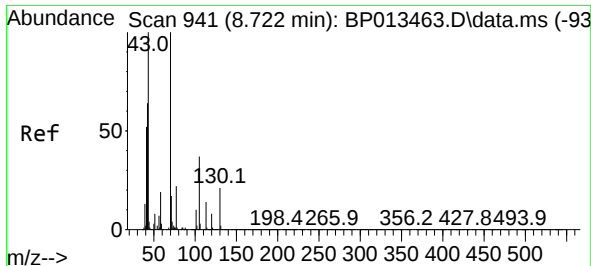


#18
Hexachloroethane
Concen: 7.920 ng
RT: 8.993 min Scan# 987
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



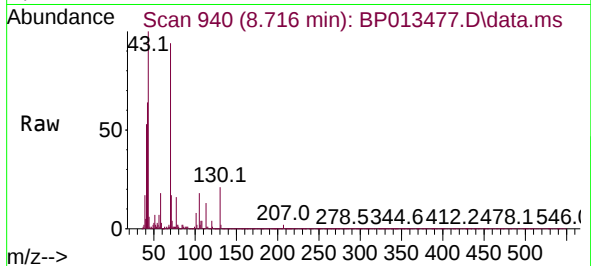
Tgt Ion:117 Resp: 85255
Ion Ratio Lower Upper
117 100
119 95.2 75.8 113.8
201 119.3 95.8 143.8





#19
n-Nitroso-di-n-propylamine
Concen: 7.304 ng
RT: 8.716 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

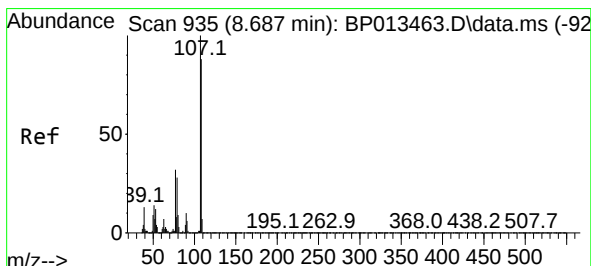
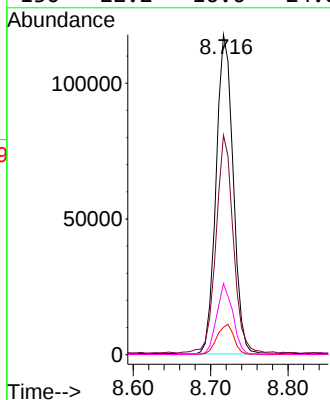
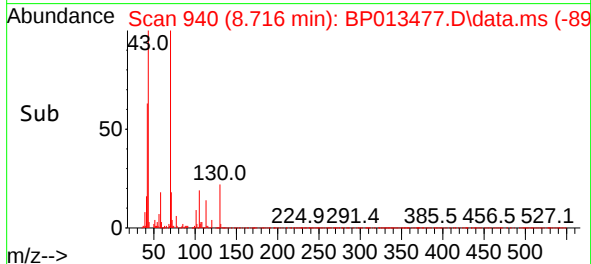
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



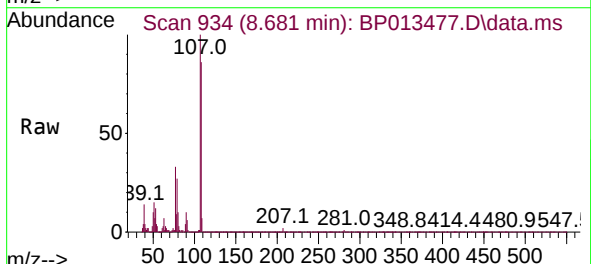
Tgt Ion: 70 Resp: 180248
Ion Ratio Lower Upper
70 100
42 68.6 51.1 76.7
101 8.5 7.8 11.8
130 22.2 16.6 24.8

Manual Integrations
APPROVED

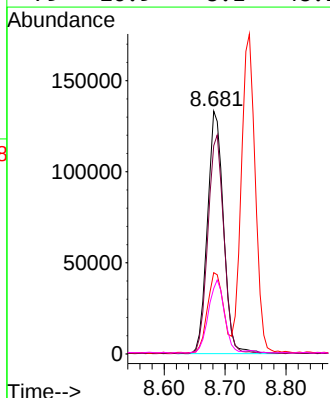
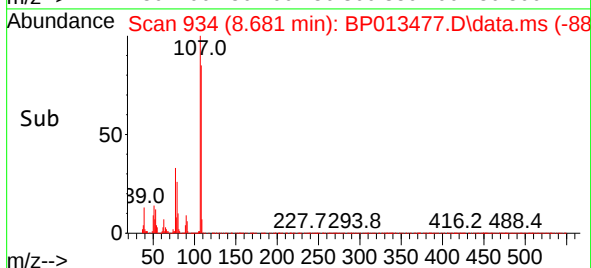
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

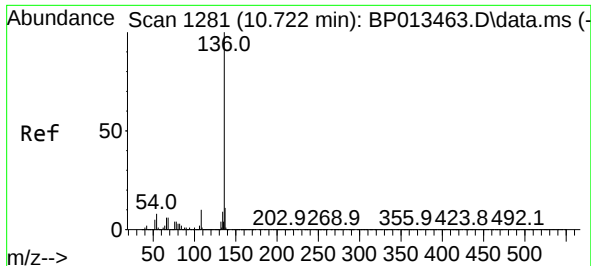


#20
3+4-Methylphenols
Concen: 6.666 ng
RT: 8.681 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



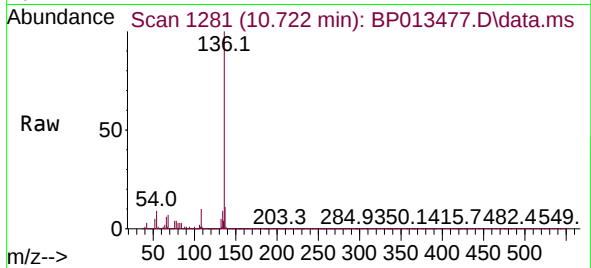
Tgt Ion:107 Resp: 244680
Ion Ratio Lower Upper
107 100
108 85.7 68.1 108.1
77 33.4 12.3 52.3
79 26.9 8.1 48.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

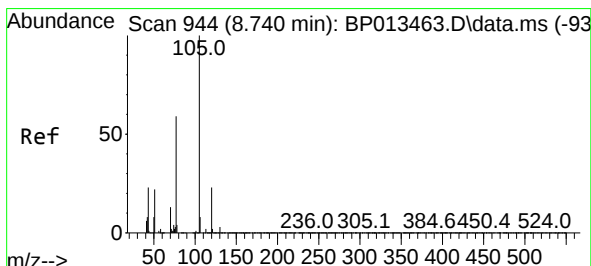
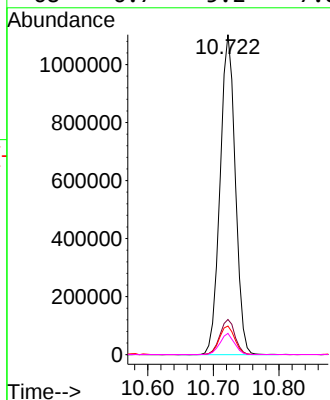
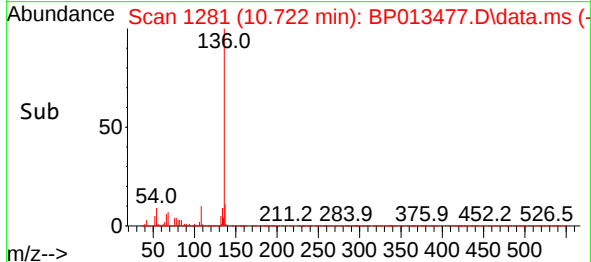
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:136 Resp: 1784303
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.9 6.6 10.0
68 6.7 5.2 7.8

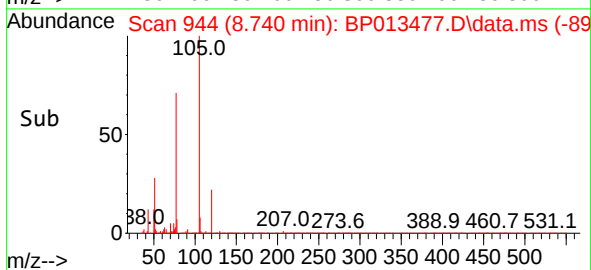
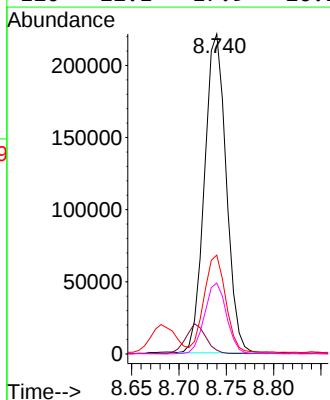
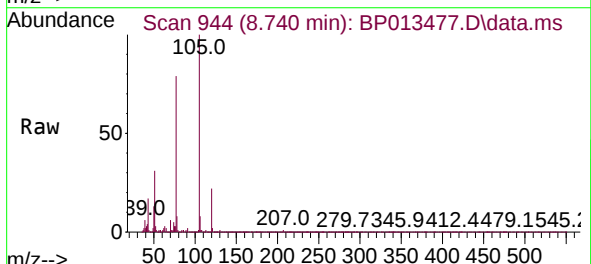
Manual Integrations
APPROVED

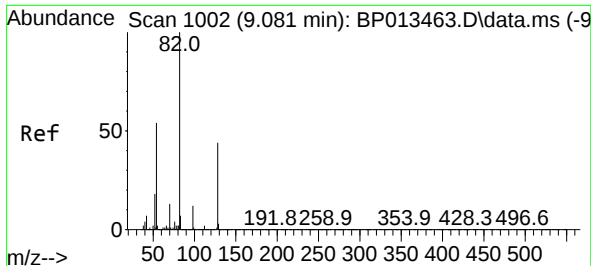
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#22
Acetophenone
Concen: 7.728 ng
RT: 8.740 min Scan# 944
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

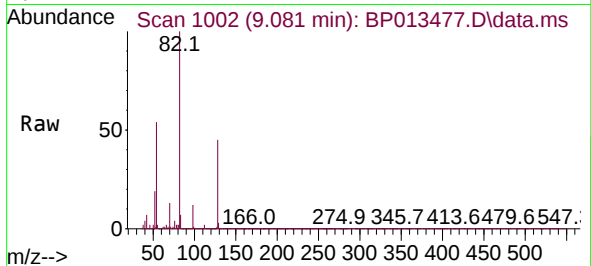
Tgt Ion:105 Resp: 353139
Ion Ratio Lower Upper
105 100
71 1.2 2.1 3.1#
51 30.9 23.3 34.9
120 22.1 17.9 26.9





#23
Nitrobenzene-d5
Concen: 71.538 ng
RT: 9.081 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

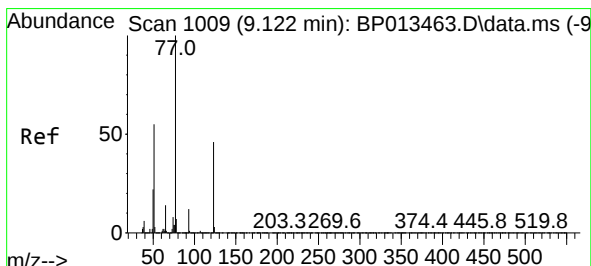
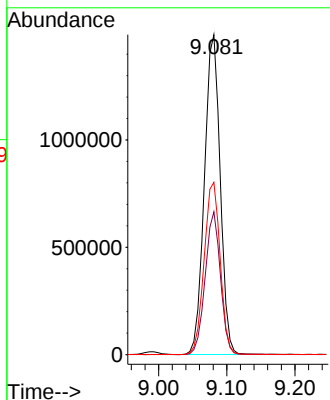
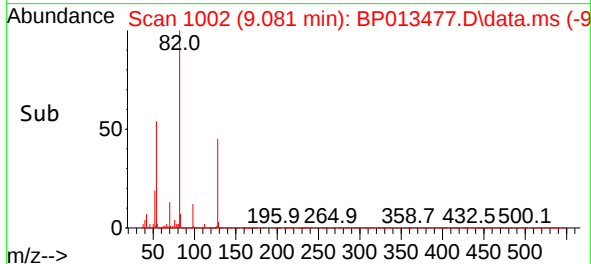
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 82 Resp: 2402624
Ion Ratio Lower Upper
82 100
128 44.7 35.4 53.0
54 53.8 42.8 64.2

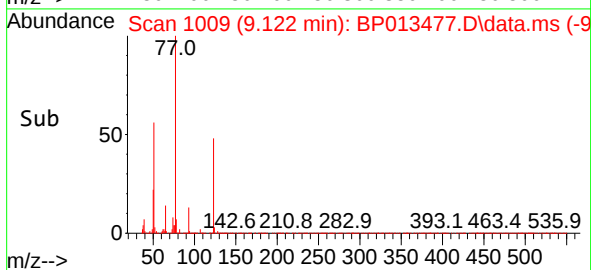
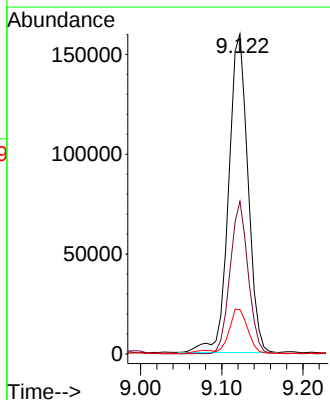
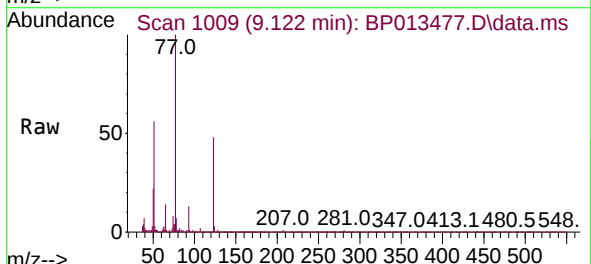
Manual Integrations
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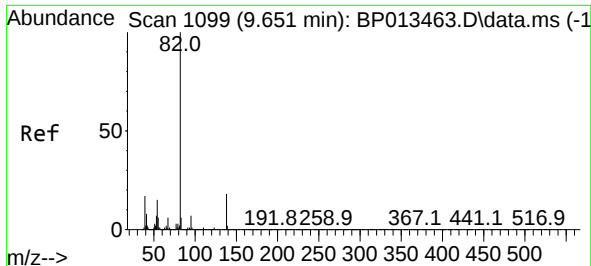
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#24
Nitrobenzene
Concen: 7.598 ng
RT: 9.122 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion: 77 Resp: 263940
Ion Ratio Lower Upper
77 100
123 47.7 36.5 54.7
65 13.8 11.0 16.6





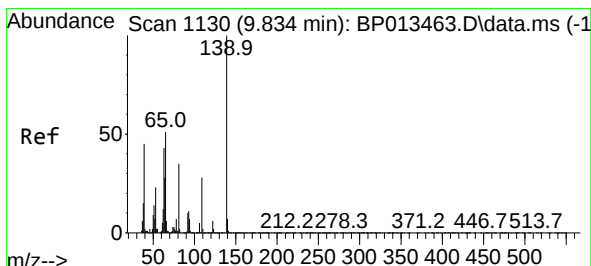
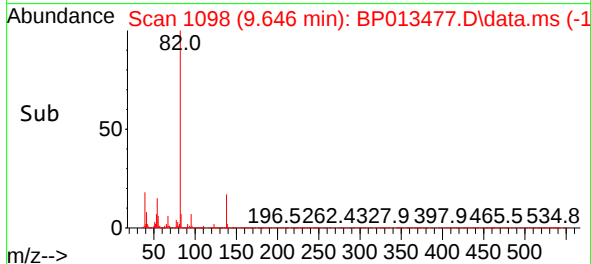
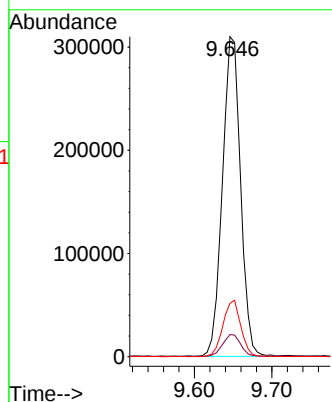
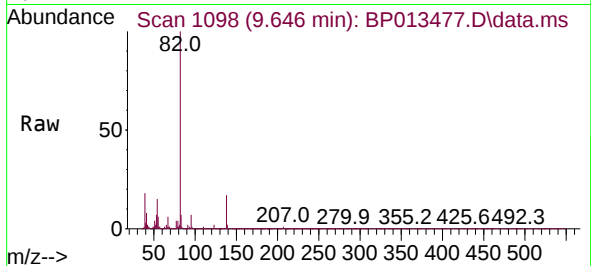
#25
Isophorone
Concen: 7.298 ng
RT: 9.646 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 82 Resp: 504502
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 16.6 14.5 21.7

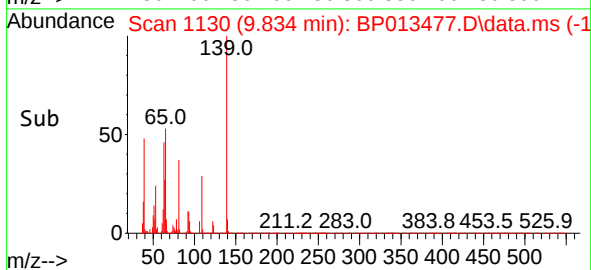
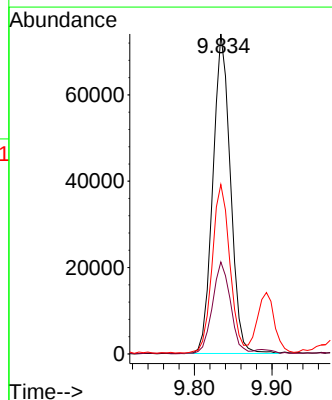
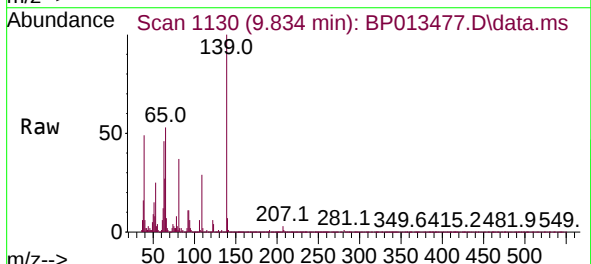
Manual Integrations
APPROVED

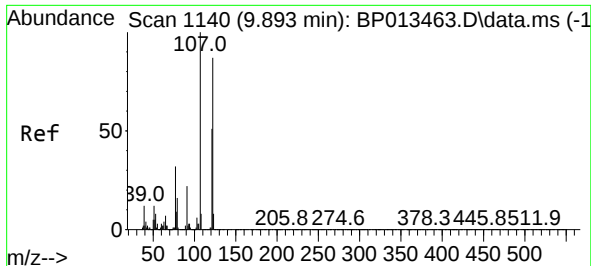
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#26
2-Nitrophenol
Concen: 6.792 ng
RT: 9.834 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:139 Resp: 116629
Ion Ratio Lower Upper
139 100
109 28.7 22.5 33.7
65 53.0 41.0 61.4





#27

2,4-Dimethylphenol

Concen: 6.806 ng

RT: 9.893 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BP013477.D

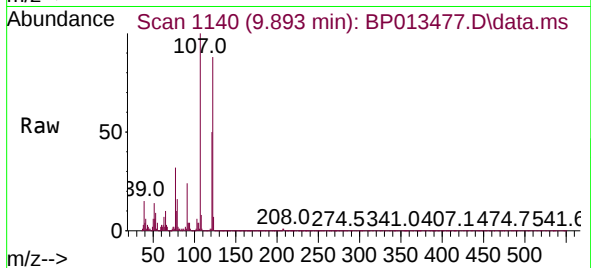
Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:122 Resp: 19240

Ion Ratio Lower Upper

122 100

107 113.2 91.6 137.4

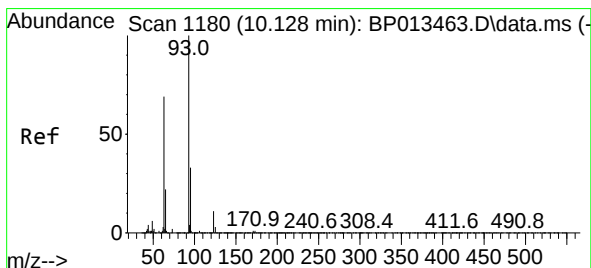
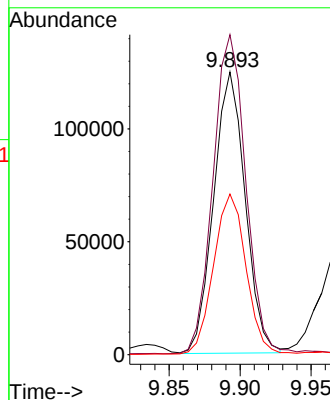
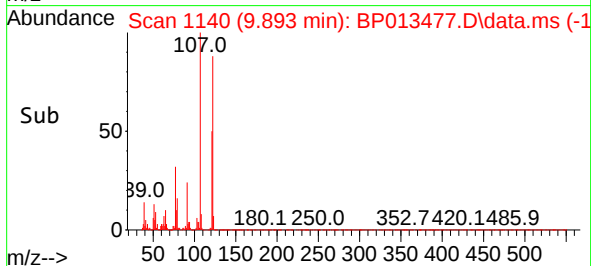
121 56.8 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.555 ng

RT: 10.128 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

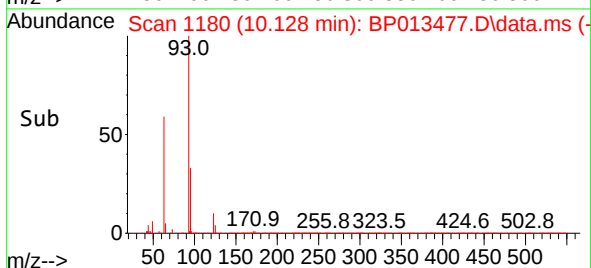
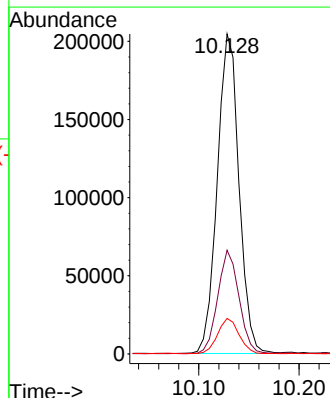
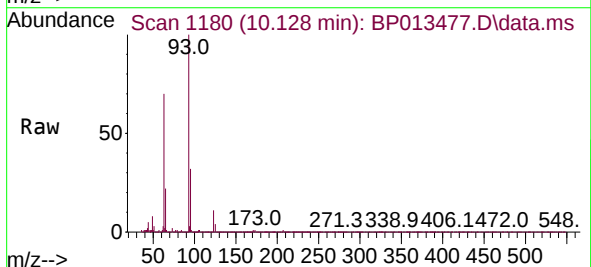
Tgt Ion: 93 Resp: 308032

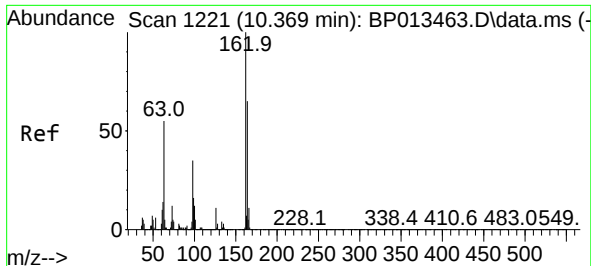
Ion Ratio Lower Upper

93 100

95 32.4 26.1 39.1

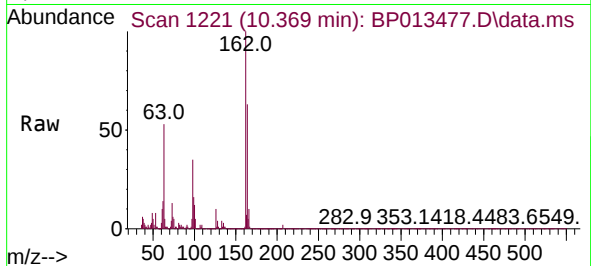
123 11.1 9.2 13.8





#29
2,4-Dichlorophenol
Concen: 7.251 ng
RT: 10.369 min Scan# 1221
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

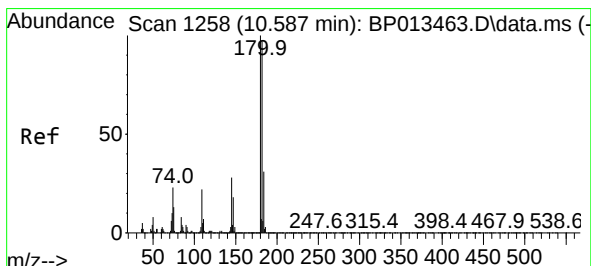
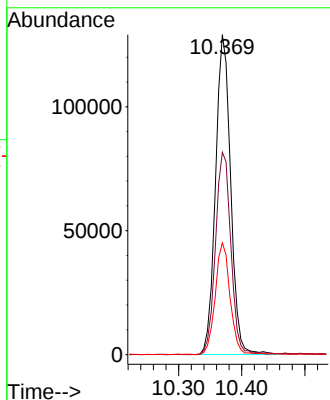
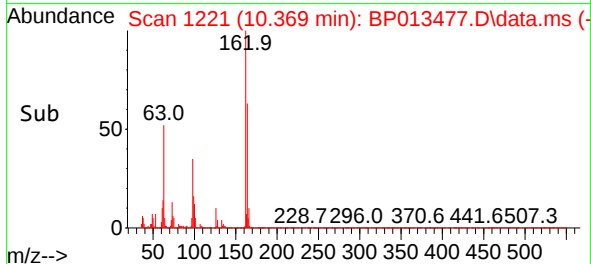
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



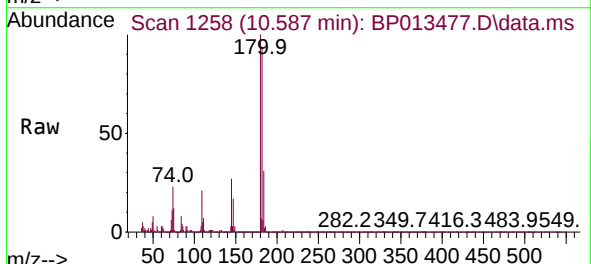
Tgt Ion:162 Resp: 215084
Ion Ratio Lower Upper
162 100
164 63.2 45.4 85.4
98 34.9 14.8 54.8

Manual Integrations
APPROVED

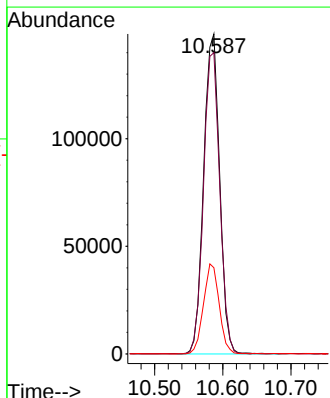
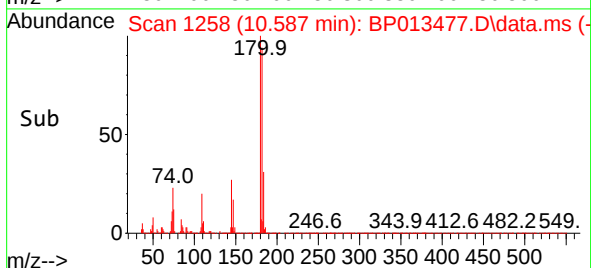
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

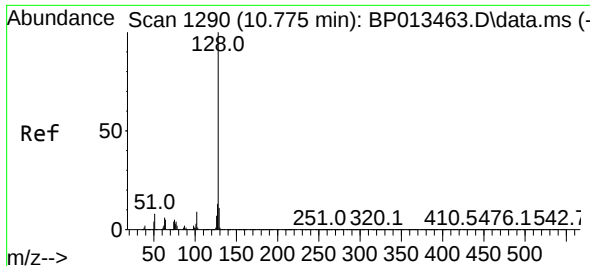


#30
1,2,4-Trichlorobenzene
Concen: 7.727 ng
RT: 10.587 min Scan# 1258
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



Tgt Ion:180 Resp: 242579
Ion Ratio Lower Upper
180 100
182 94.1 77.3 115.9
145 27.0 22.8 34.2





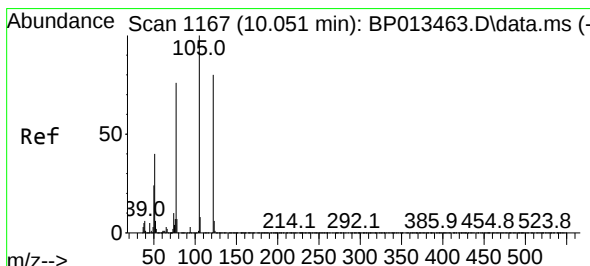
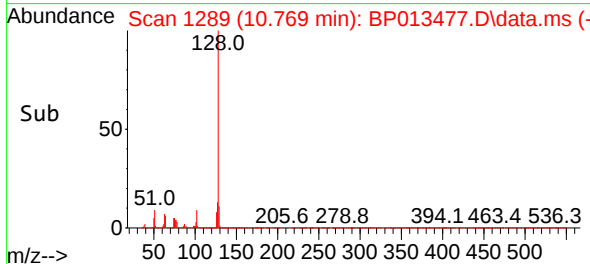
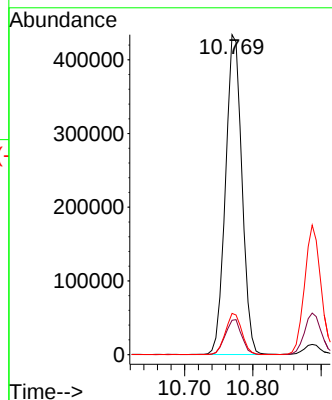
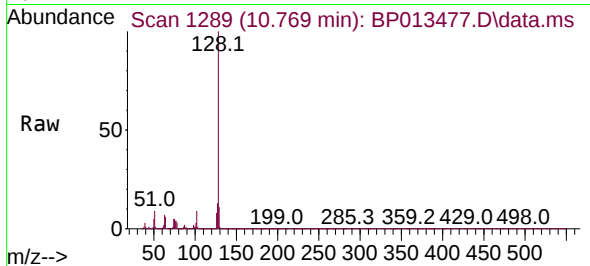
#31
Naphthalene
Concen: 7.633 ng
RT: 10.769 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:128 Resp: 720189
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.9 10.6 16.0

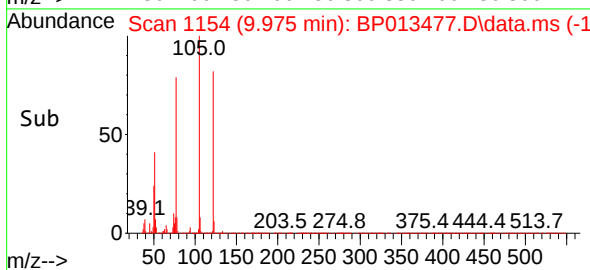
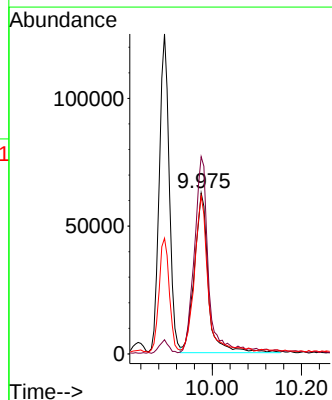
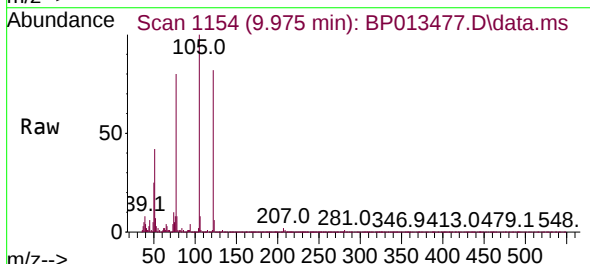
Manual Integrations
APPROVED

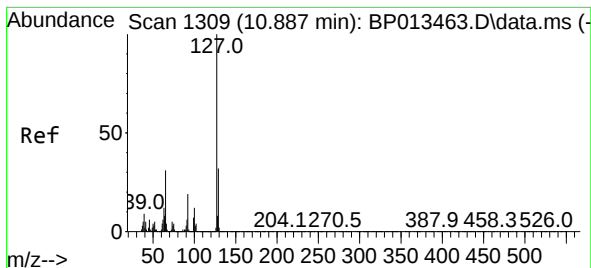
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#32
Benzoic acid
Concen: 5.734 ng m
RT: 9.975 min Scan# 1154
Delta R.T. -0.076 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

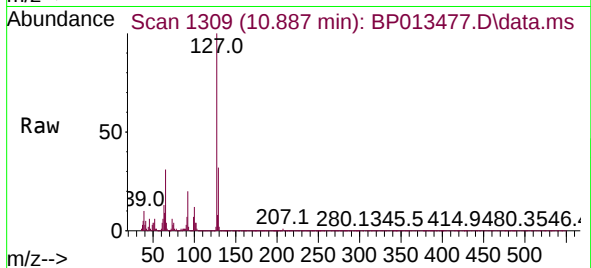
Tgt Ion:122 Resp: 135191
Ion Ratio Lower Upper
122 100
105 122.7 102.7 142.7
77 98.3 74.0 114.0





#33
4-Chloroaniline
Concen: 6.921 ng
RT: 10.887 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

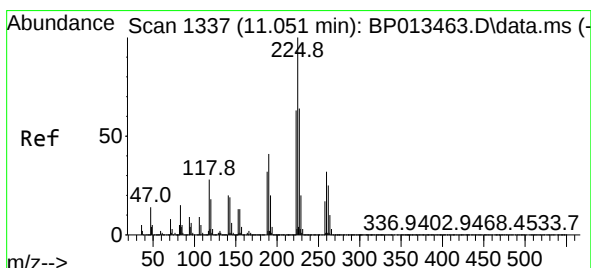
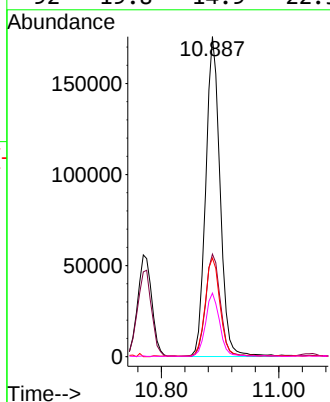
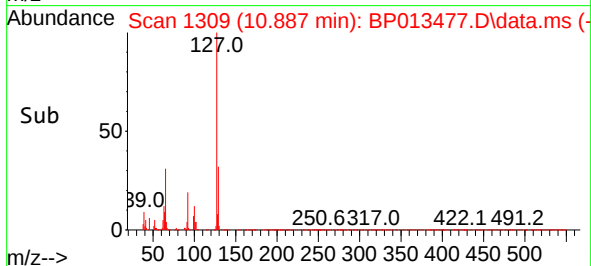
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:127 Resp: 298307
Ion Ratio Lower Upper
127 100
129 32.1 25.6 38.4
65 30.8 25.2 37.8
92 19.8 14.9 22.3

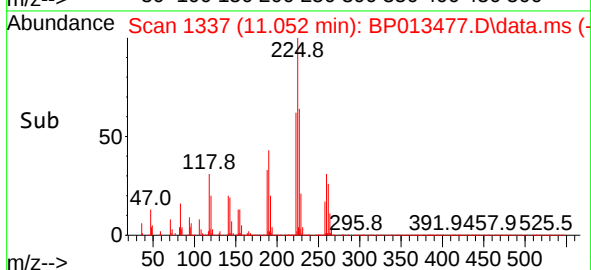
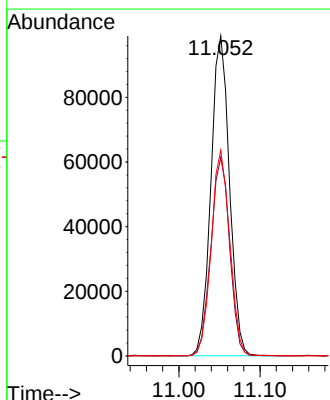
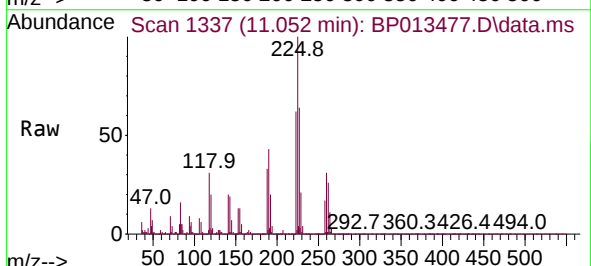
Manual Integrations
APPROVED

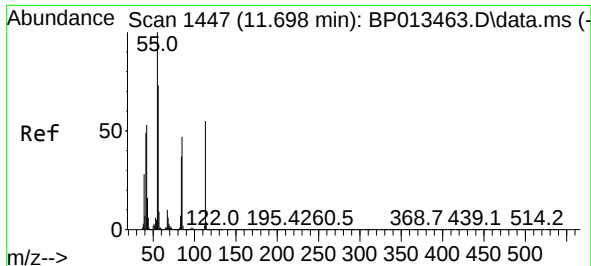
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#34
Hexachlorobutadiene
Concen: 7.939 ng
RT: 11.052 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

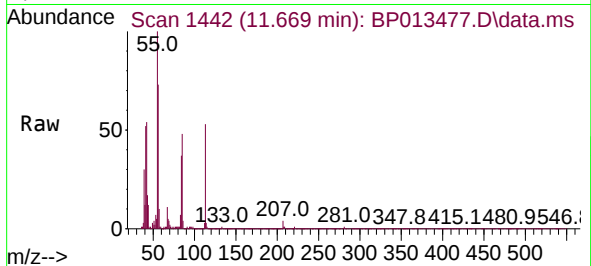
Tgt Ion:225 Resp: 157116
Ion Ratio Lower Upper
225 100
223 62.0 50.0 75.0
227 64.3 51.0 76.6





#35
Caprolactam
Concen: 7.039 ng
RT: 11.669 min Scan# 1447
Delta R.T. -0.029 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

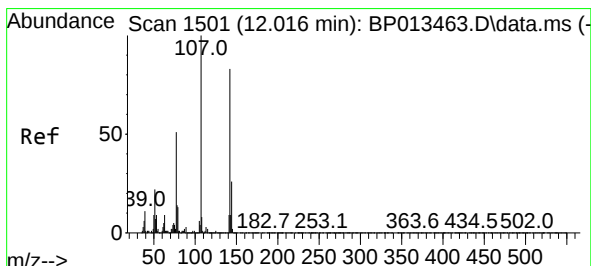
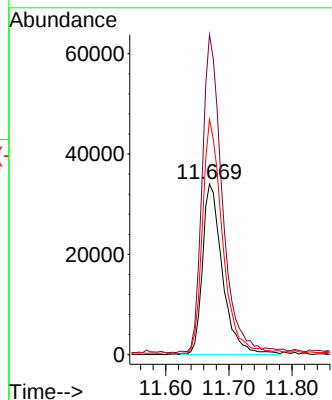
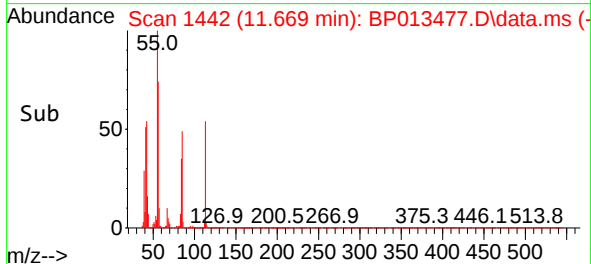
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:113 Resp: 74399
Ion Ratio Lower Upper
113 100
55 187.7 163.1 203.1
56 137.9 113.0 153.0

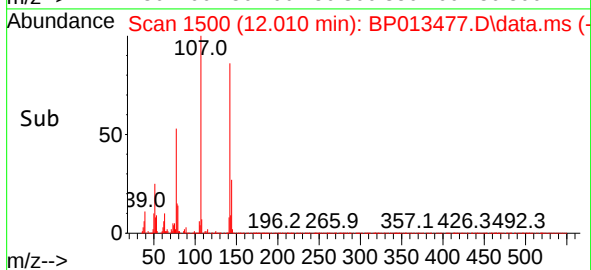
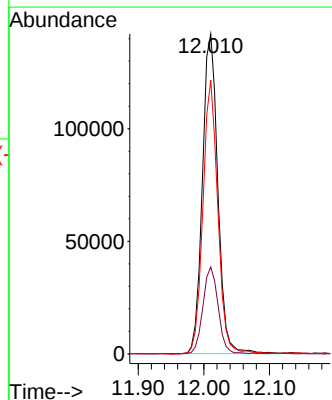
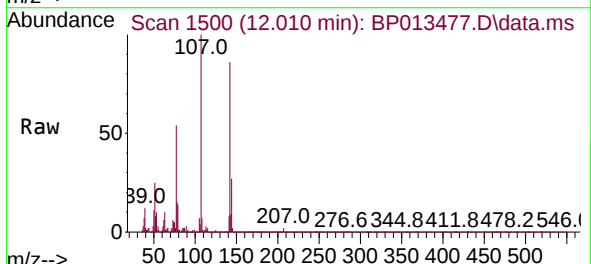
Manual Integrations
APPROVED

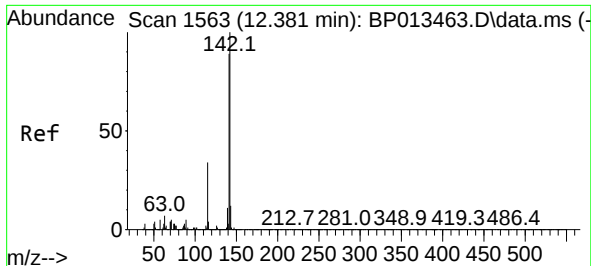
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#36
4-Chloro-3-methylphenol
Concen: 7.147 ng
RT: 12.010 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:107 Resp: 231030
Ion Ratio Lower Upper
107 100
144 27.2 21.2 31.8
142 85.5 66.0 99.0





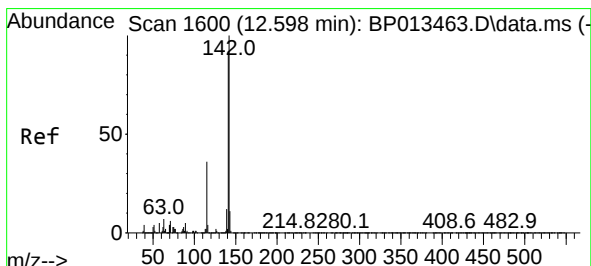
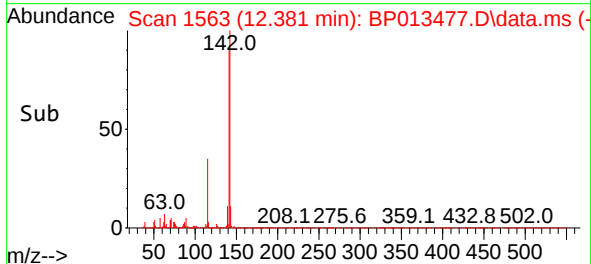
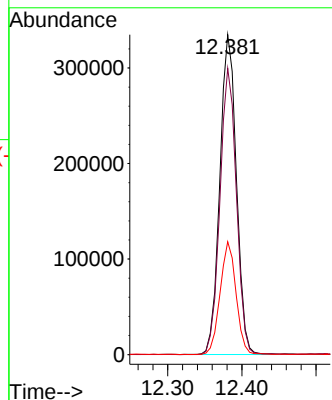
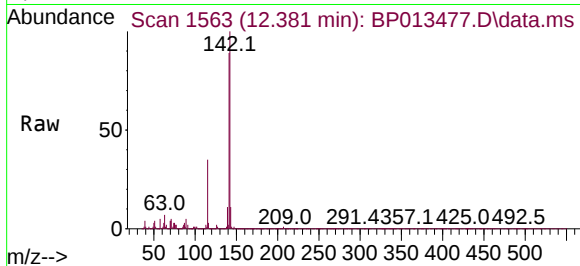
#37
2-Methylnaphthalene
Concen: 7.348 ng
RT: 12.381 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:142 Resp: 520531
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7
115 35.3 27.6 41.4

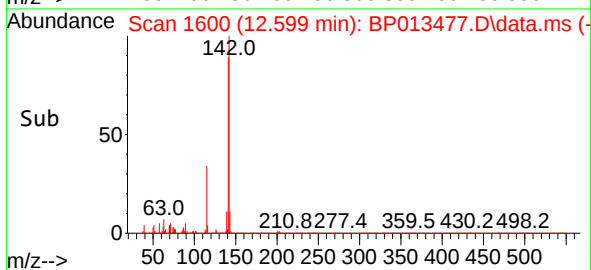
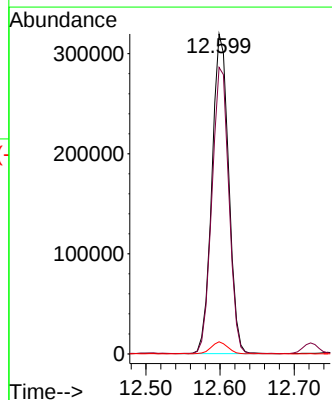
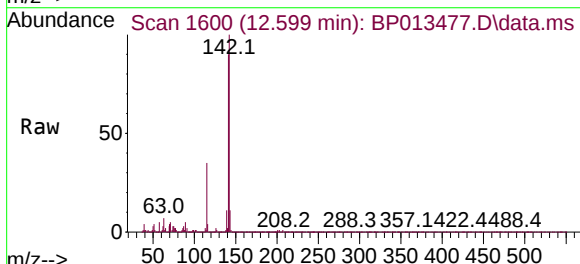
Manual Integrations
APPROVED

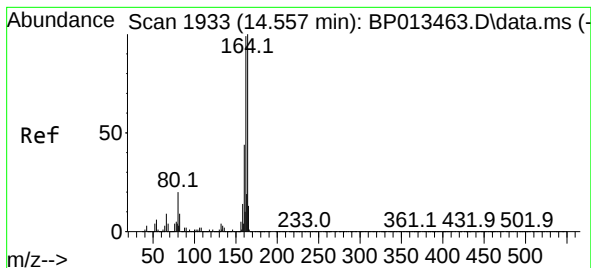
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#38
1-Methylnaphthalene
Concen: 7.501 ng
RT: 12.599 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:142 Resp: 501265
Ion Ratio Lower Upper
142 100
141 89.5 73.3 109.9
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BP013477.D

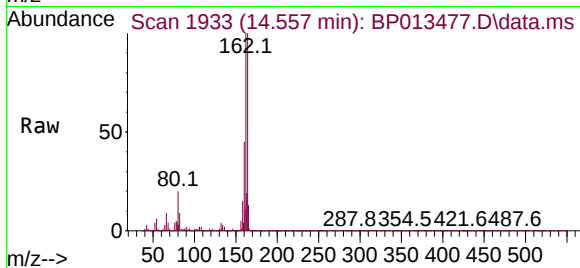
Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

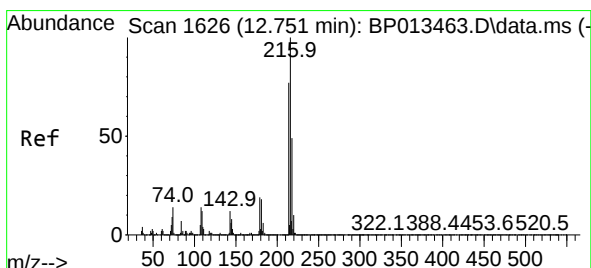
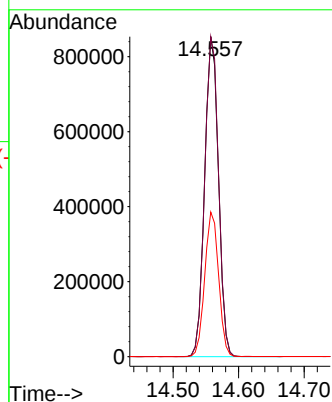
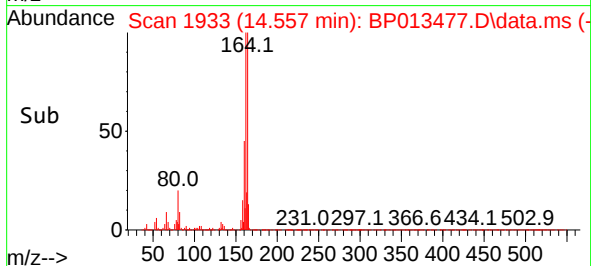


Tgt Ion:	164	Resp:	124015
Ion Ratio	Lower	Upper	
164	100		
162	100.0	79.5	119.3
160	45.2	35.4	53.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.477 ng

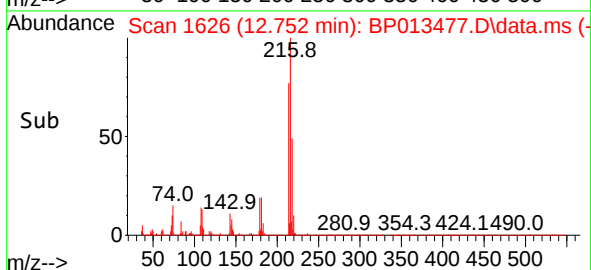
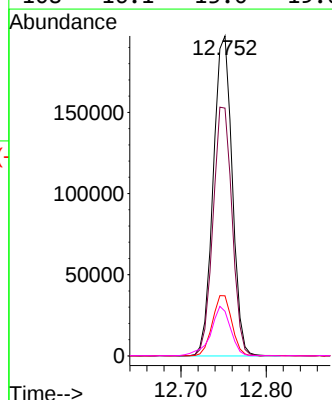
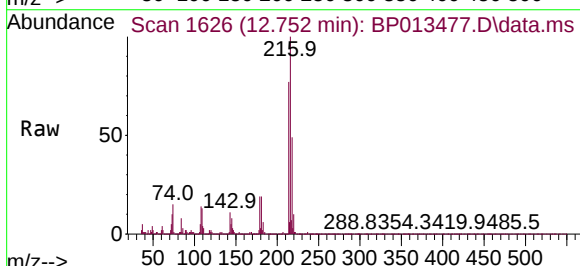
RT: 12.752 min Scan# 1626

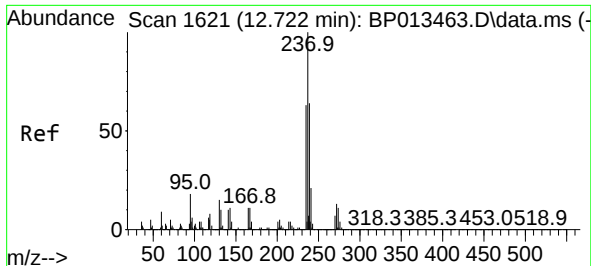
Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

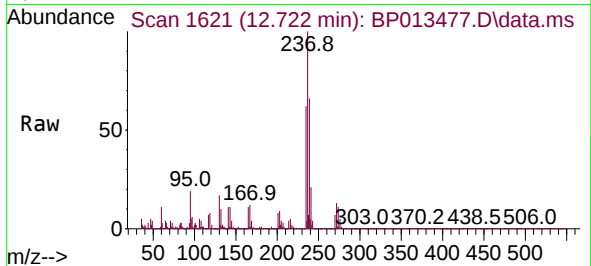
Tgt Ion:	216	Resp:	303946
Ion Ratio	Lower	Upper	
216	100		
214	78.1	62.1	93.1
179	19.3	15.6	23.4
108	16.1	13.0	19.6





#41
Hexachlorocyclopentadiene
Concen: 6.608 ng
RT: 12.722 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

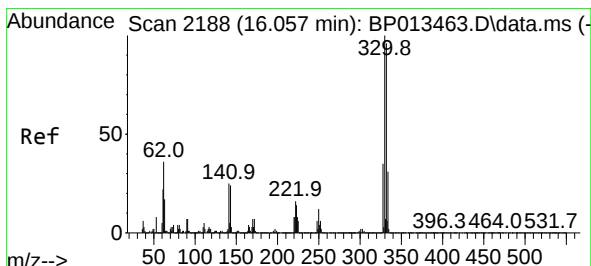
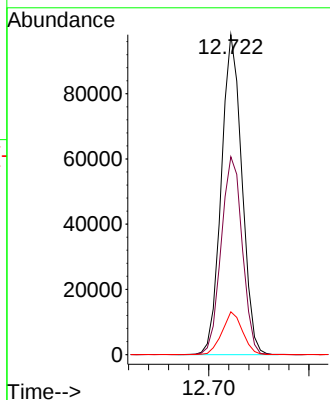
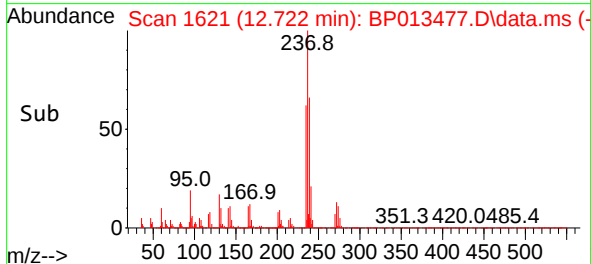
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion: 237 Resp: 140062
Ion Ratio Lower Upper
237 100
235 61.8 43.4 83.4
272 13.4 0.0 32.7

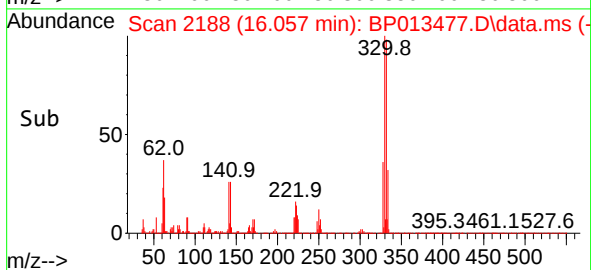
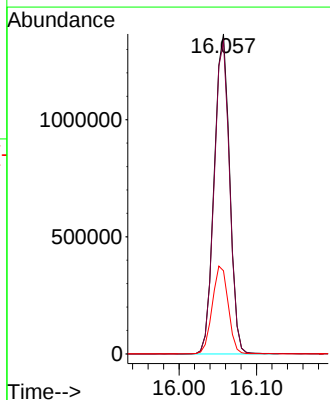
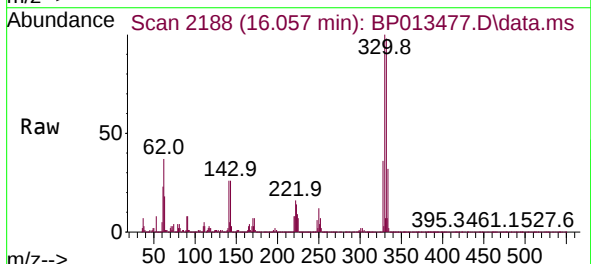
Manual Integrations
APPROVED

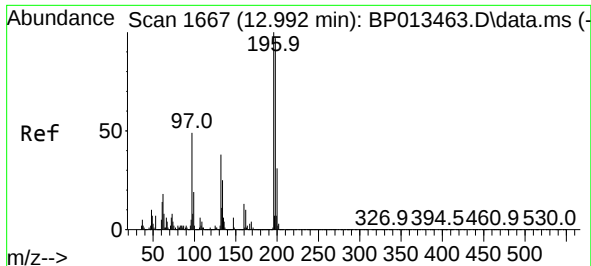
Reviewed By : Christian Giraldo 01/17/2023
Supervised By : Jagrut Upadhyay 01/18/2023



#42
2,4,6-Tribromophenol
Concen: 97.954 ng
RT: 16.057 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

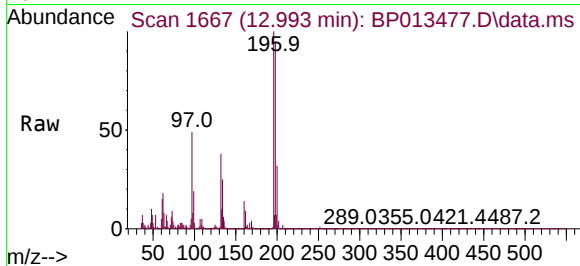
Tgt Ion: 330 Resp: 1896224
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.4
141 28.2 22.2 33.4





#43
2,4,6-Trichlorophenol
Concen: 7.013 ng
RT: 12.993 min Scan# 1667
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

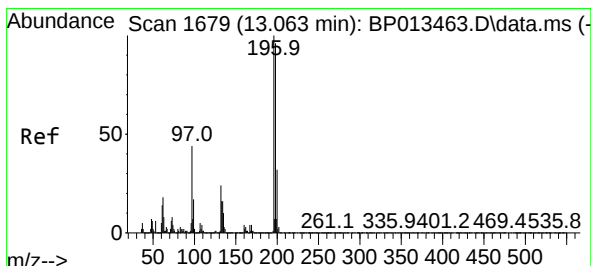
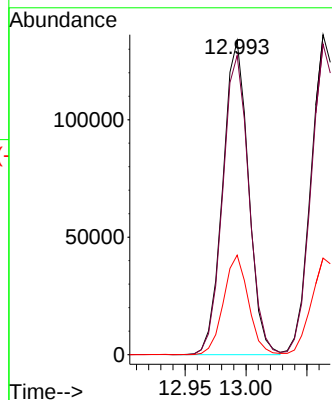
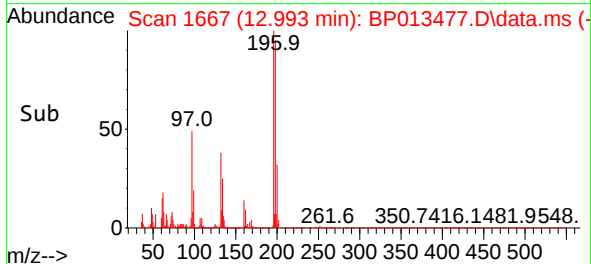
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



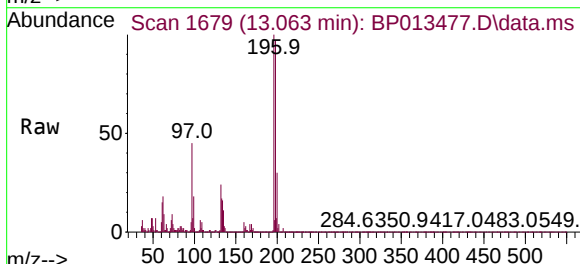
Tgt Ion:196 Resp: 196003
Ion Ratio Lower Upper
196 100
198 95.3 77.4 116.0
200 31.7 24.7 37.1

Manual Integrations
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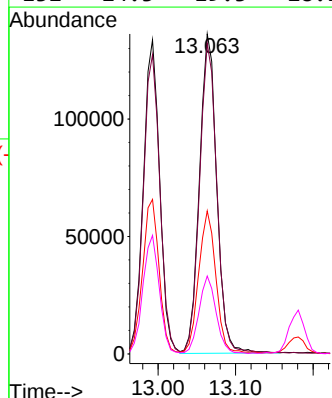
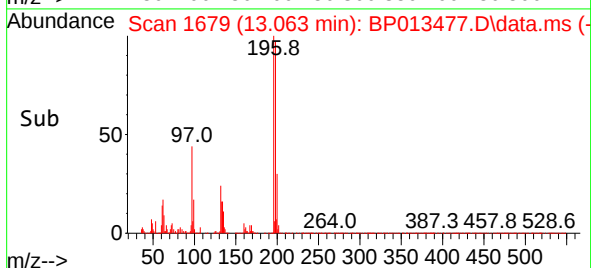
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

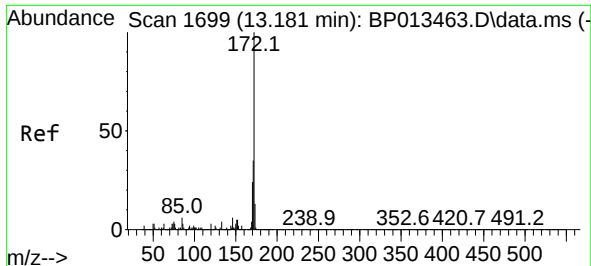


#44
2,4,5-Trichlorophenol
Concen: 6.427 ng
RT: 13.063 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



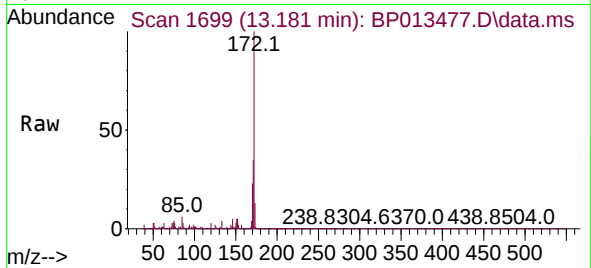
Tgt Ion:196 Resp: 210771
Ion Ratio Lower Upper
196 100
198 97.0 76.8 115.2
97 44.7 34.9 52.3
132 24.3 19.3 28.9





#45
2-Fluorobiphenyl
Concen: 73.042 ng
RT: 13.181 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

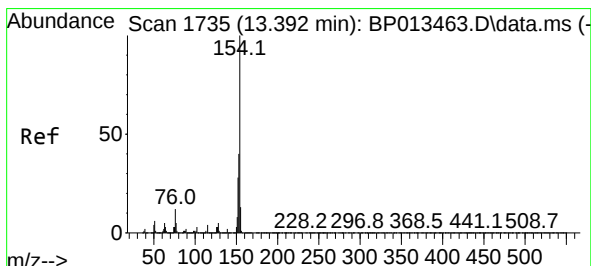
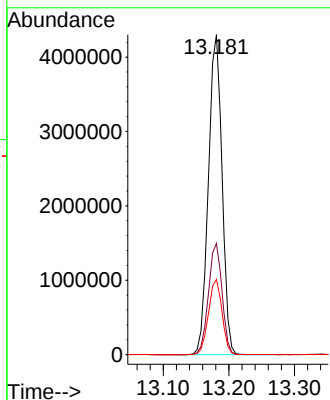
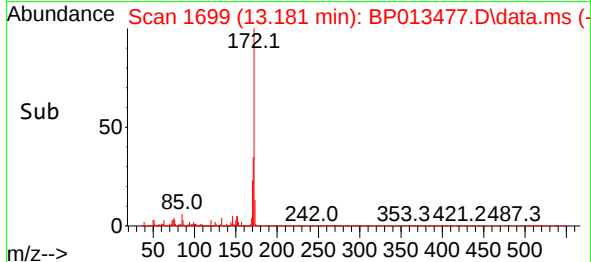
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:172 Resp: 6196501
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.5 19.0 28.4

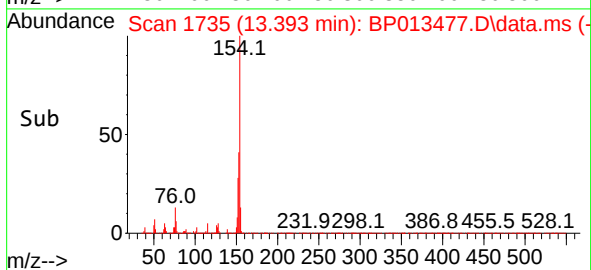
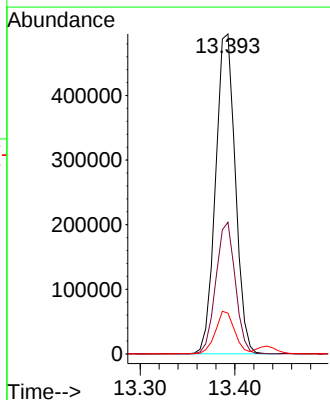
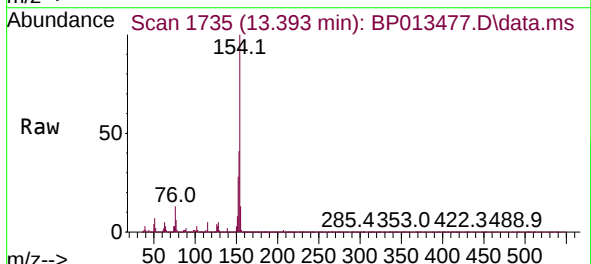
Manual Integrations
APPROVED

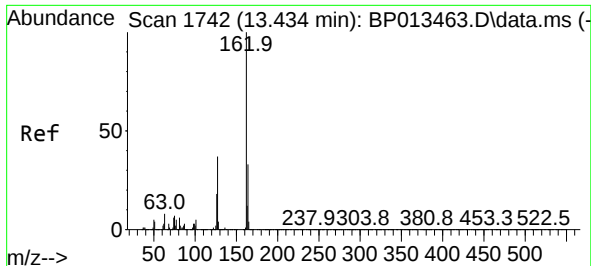
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#46
1,1'-Biphenyl
Concen: 7.645 ng
RT: 13.393 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

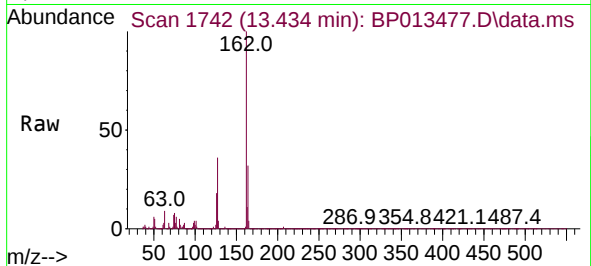
Tgt Ion:154 Resp: 716806
Ion Ratio Lower Upper
154 100
153 41.1 19.9 59.9
76 12.7 0.0 32.5





#47
2-Chloronaphthalene
Concen: 7.623 ng
RT: 13.434 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

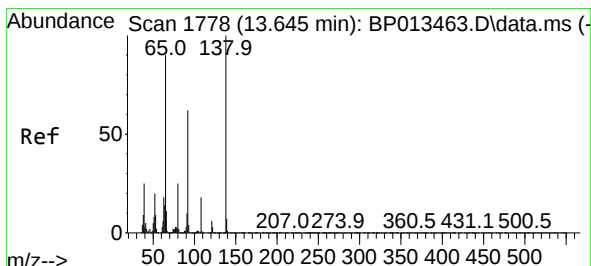
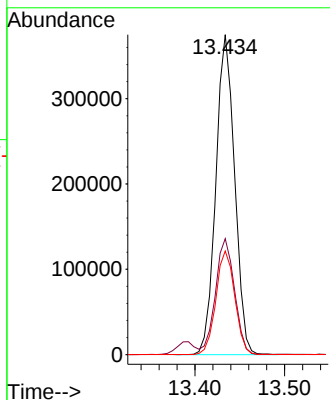
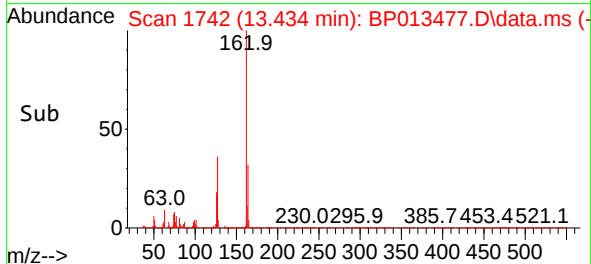
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



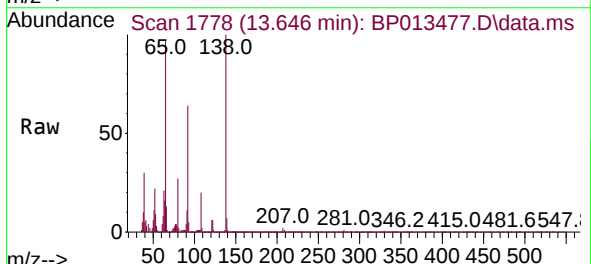
Tgt Ion:162 Resp: 548198
Ion Ratio Lower Upper
162 100
127 36.2 29.8 44.8
164 32.4 26.4 39.6

Manual Integrations
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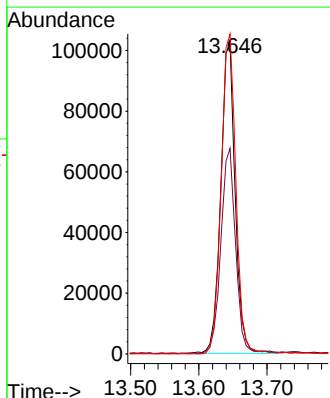
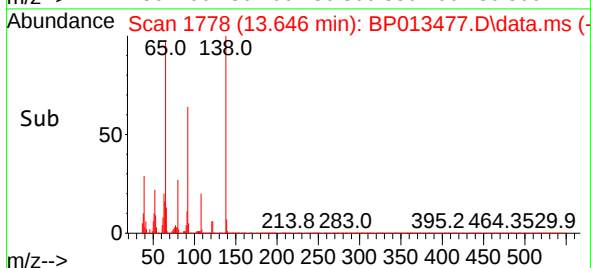
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

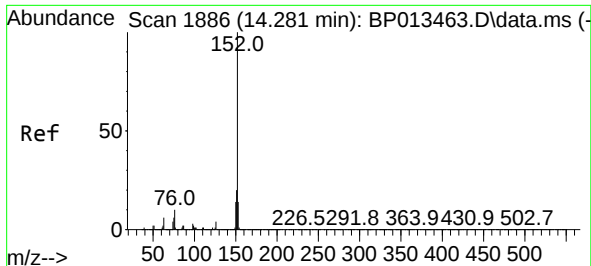


#48
2-Nitroaniline
Concen: 6.333 ng
RT: 13.646 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



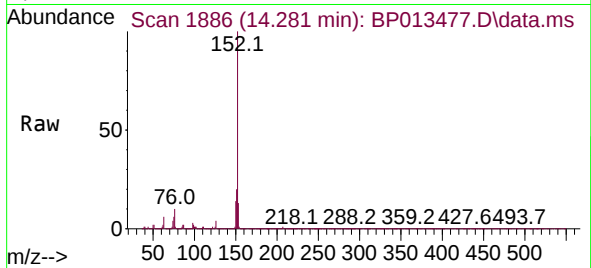
Tgt Ion: 65 Resp: 149911
Ion Ratio Lower Upper
65 100
92 66.0 55.1 82.7
138 102.7 88.5 132.7





#49
Acenaphthylene
Concen: 7.276 ng
RT: 14.281 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

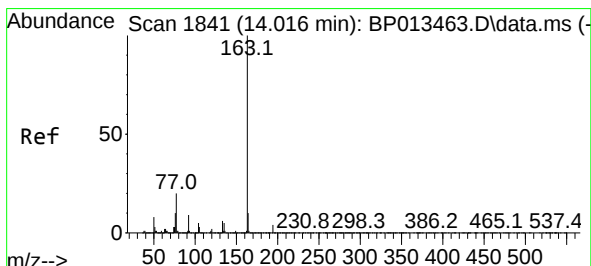
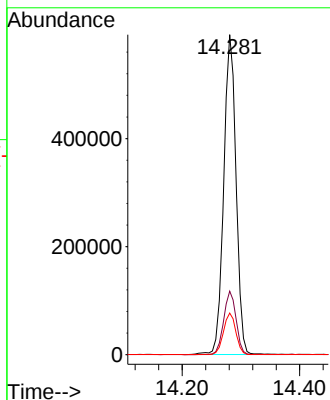
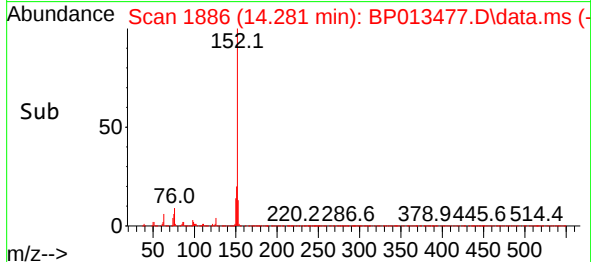
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



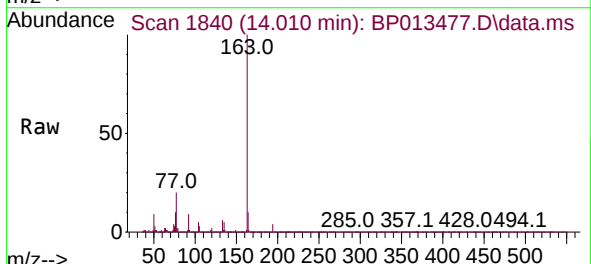
Tgt Ion:152 Resp: 862873
Ion Ratio Lower Upper
152 100
151 19.8 16.0 24.0
153 13.0 10.9 16.3

Manual Integrations
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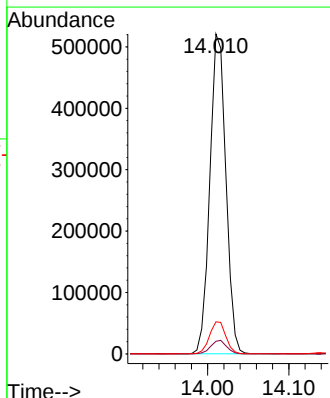
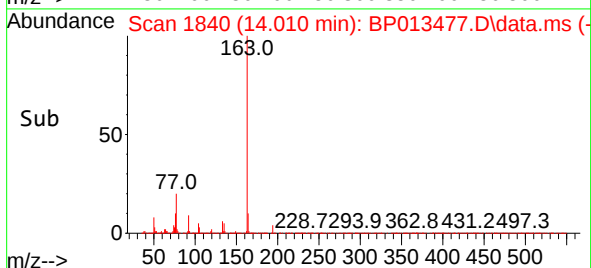
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

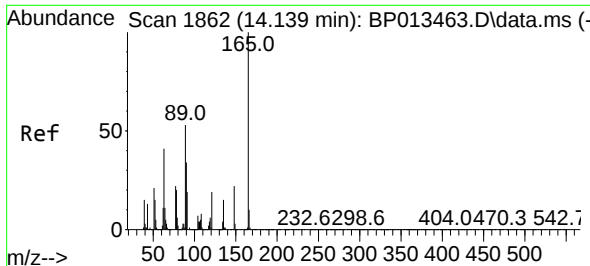


#50
Dimethylphthalate
Concen: 7.291 ng
RT: 14.010 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



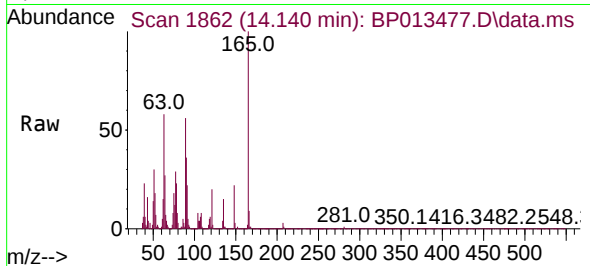
Tgt Ion:163 Resp: 716980
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.0 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 6.804 ng
RT: 14.140 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

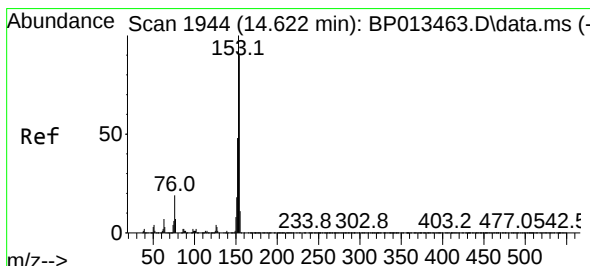
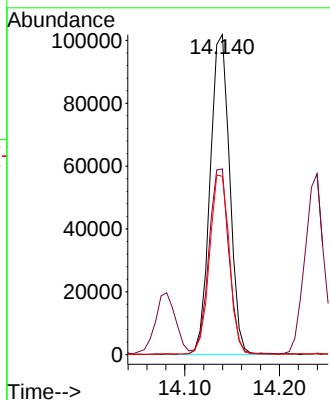
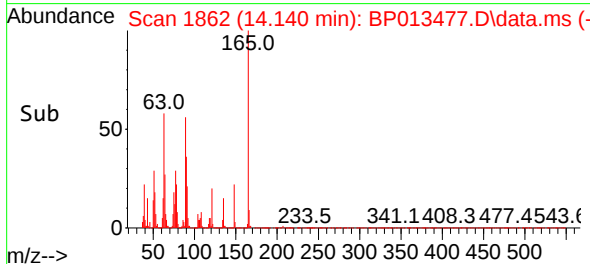
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



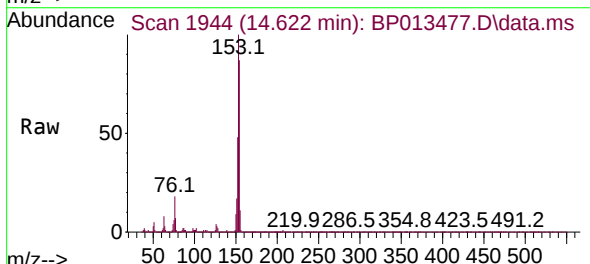
Tgt Ion:165 Resp: 145959
Ion Ratio Lower Upper
165 100
63 58.0 42.8 64.2
89 55.7 42.5 63.7

Manual Integrations
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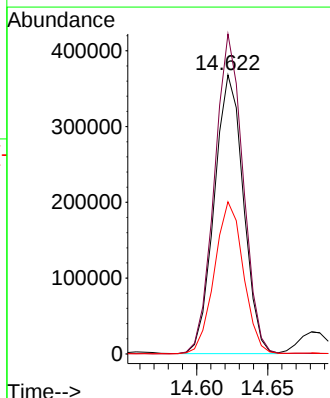
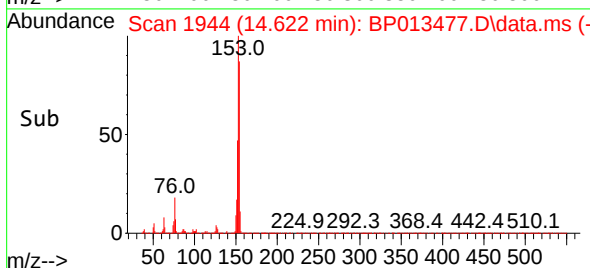
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

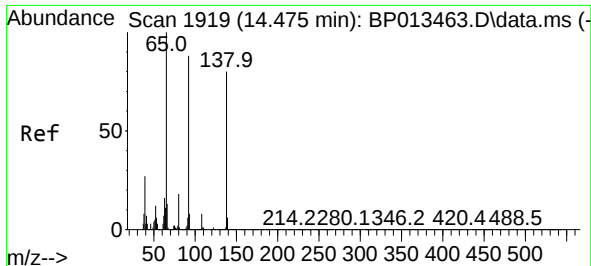


#52
Acenaphthene
Concen: 7.491 ng
RT: 14.622 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



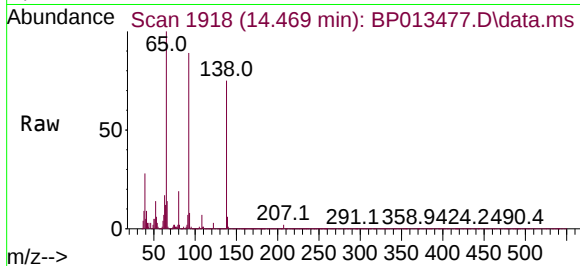
Tgt Ion:154 Resp: 525782
Ion Ratio Lower Upper
154 100
153 114.7 89.2 133.8
152 54.5 42.8 64.2





#53
3-Nitroaniline
Concen: 6.273 ng
RT: 14.469 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

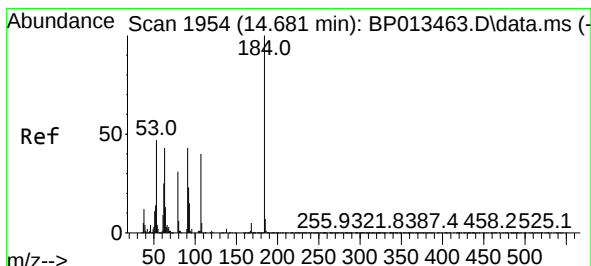
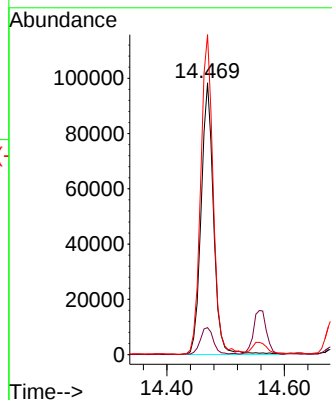
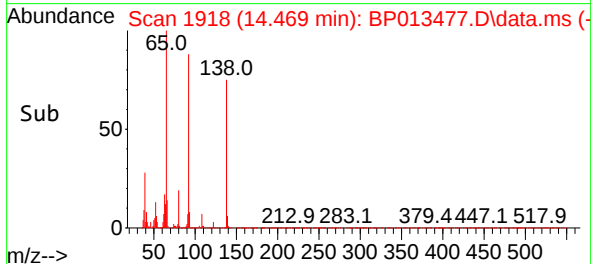
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:138 Resp: 143964
Ion Ratio Lower Upper
138 100
108 9.9 7.7 11.5
92 117.8 88.2 132.2

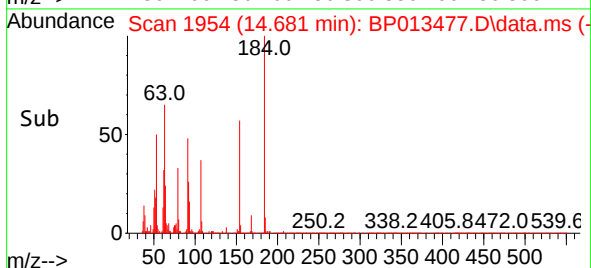
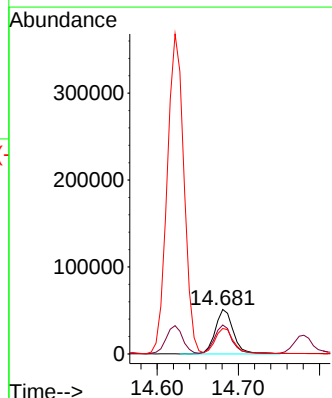
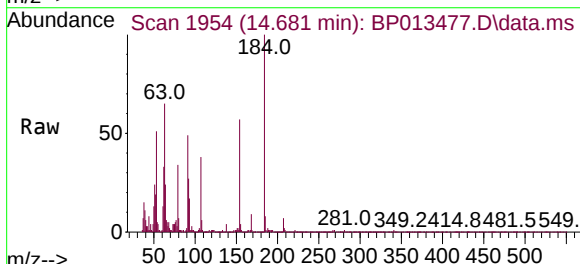
Manual Integrations
APPROVED

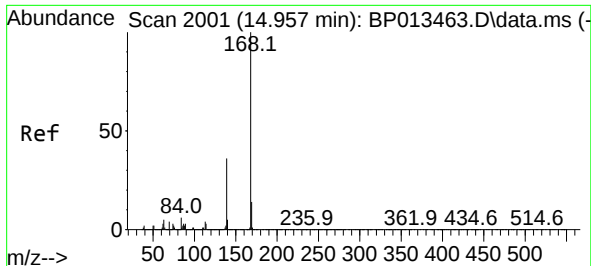
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#54
2,4-Dinitrophenol
Concen: 5.414 ng
RT: 14.681 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

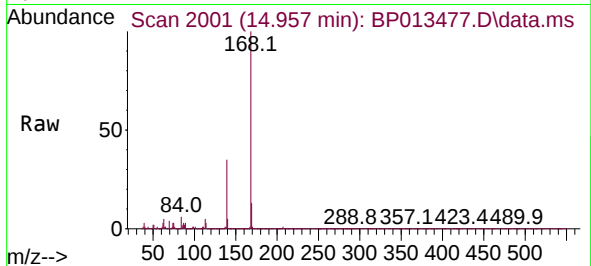
Tgt Ion:184 Resp: 78925
Ion Ratio Lower Upper
184 100
63 65.1 49.8 74.8
154 56.9 45.8 68.8





#55
Dibenzenofuran
Concen: 7.479 ng
RT: 14.957 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

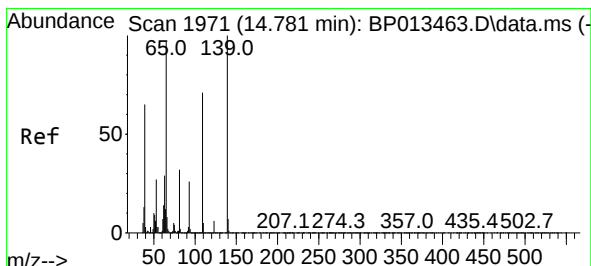
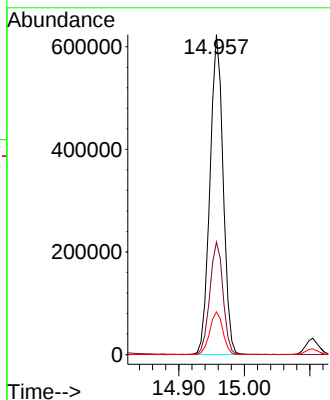
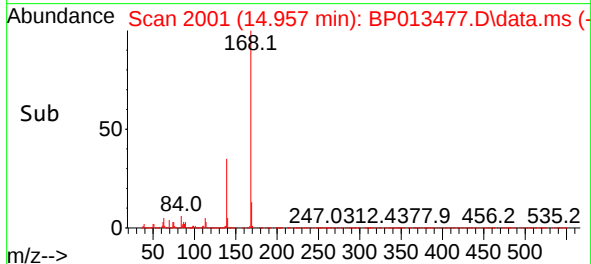
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:168 Resp: 87037
Ion Ratio Lower Upper
168 100
139 35.2 28.6 43.0
169 13.3 11.0 16.6

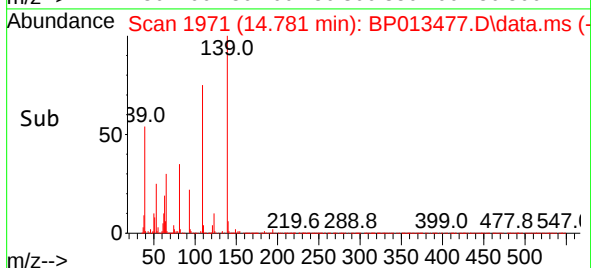
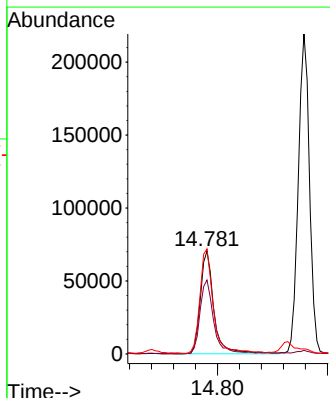
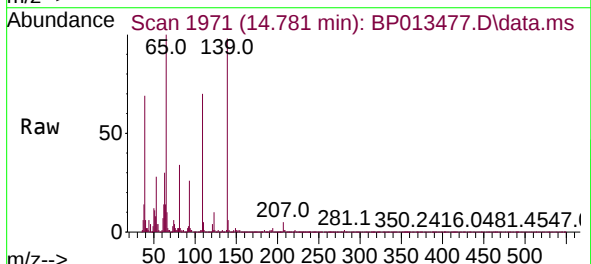
Manual Integrations
APPROVED

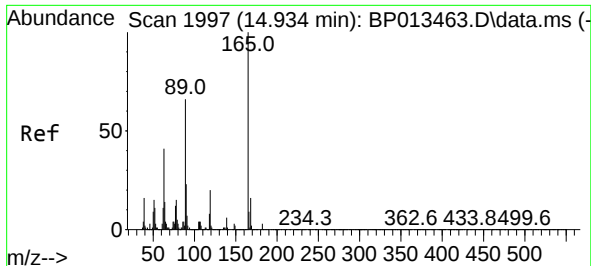
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#56
4-Nitrophenol
Concen: 6.539 ng
RT: 14.781 min Scan# 1971
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

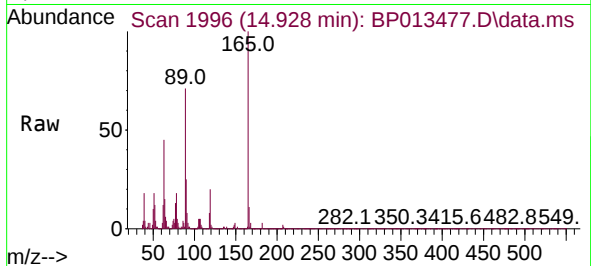
Tgt Ion:139 Resp: 120580
Ion Ratio Lower Upper
139 100
109 71.9 51.0 91.0
65 102.2 77.3 117.3





#57
2,4-Dinitrotoluene
Concen: 6.572 ng
RT: 14.928 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

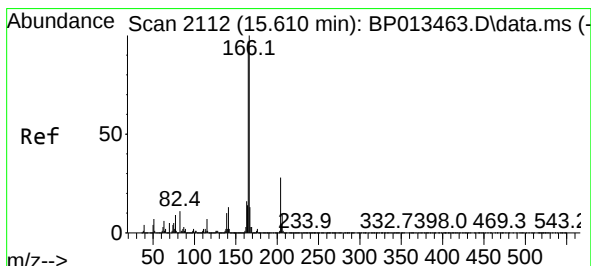
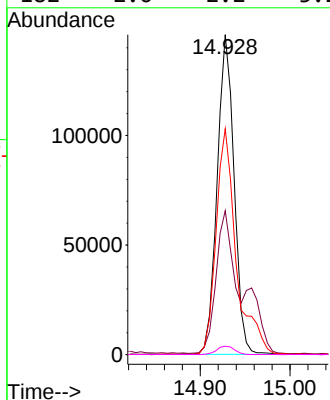
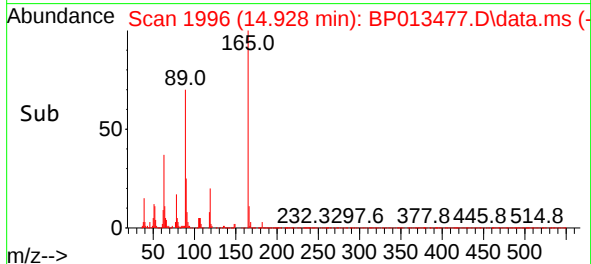
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



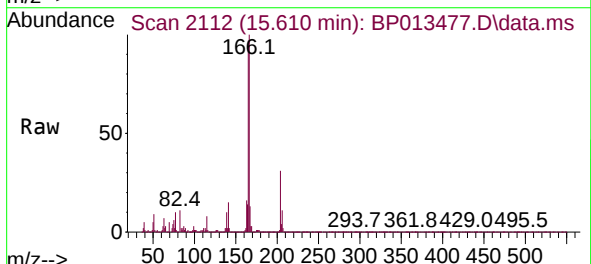
Tgt Ion:165 Resp: 192779
Ion Ratio Lower Upper
165 100
63 45.0 33.3 49.9
89 70.6 52.6 78.8
182 2.6 2.2 3.2

Manual Integrations
APPROVED

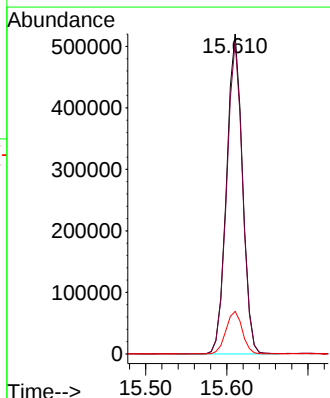
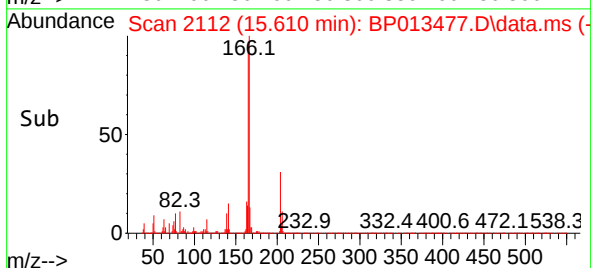
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

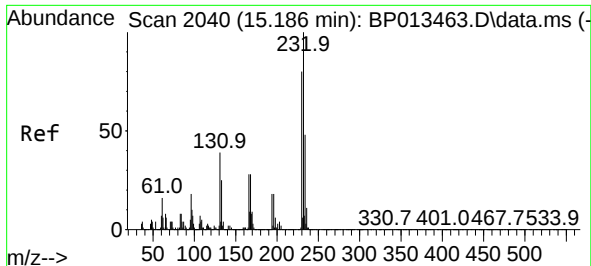


#58
Fluorene
Concen: 7.700 ng
RT: 15.610 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



Tgt Ion:166 Resp: 707189
Ion Ratio Lower Upper
166 100
165 97.5 77.9 116.9
167 13.3 10.7 16.1





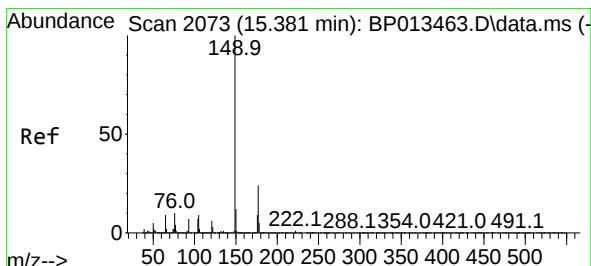
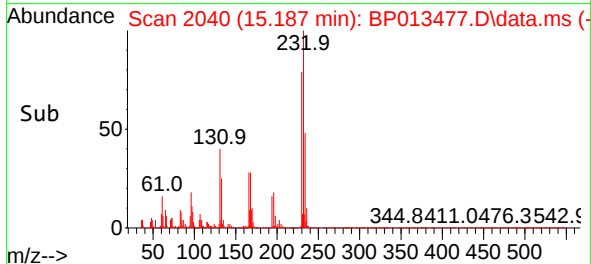
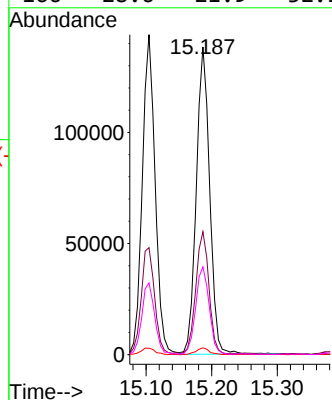
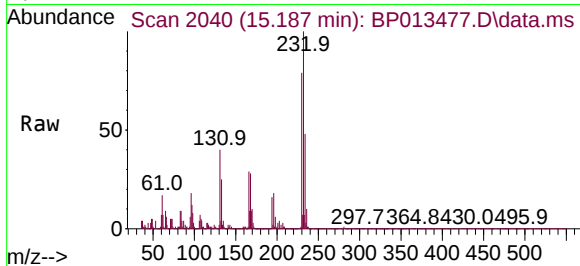
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.900 ng
RT: 15.187 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:232 Resp: 195682
Ion Ratio Lower Upper
232 100
131 39.0 30.3 45.5
130 2.2 1.7 2.5
166 28.6 21.9 32.9

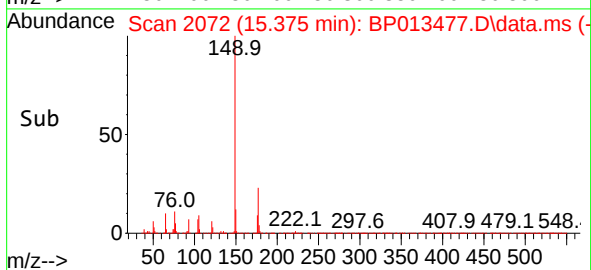
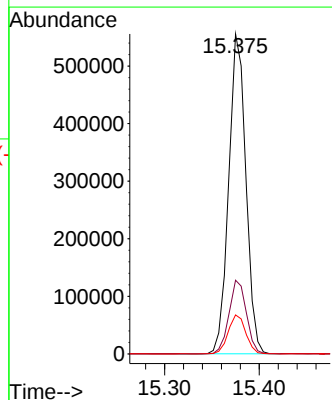
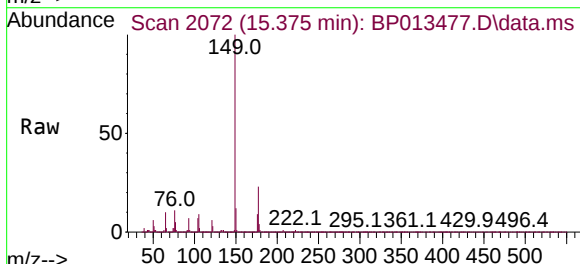
Manual Integrations
APPROVED

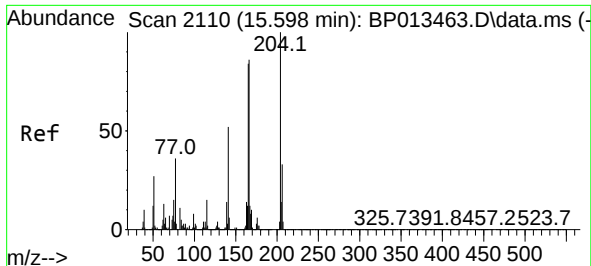
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#60
Diethylphthalate
Concen: 7.276 ng
RT: 15.375 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

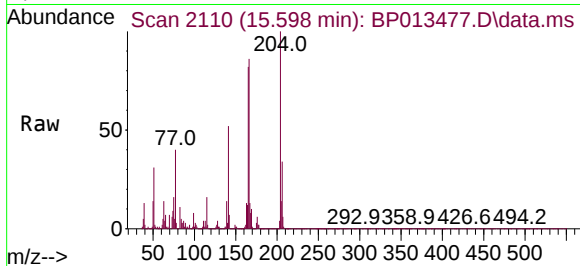
Tgt Ion:149 Resp: 700192
Ion Ratio Lower Upper
149 100
177 23.0 18.8 28.2
150 12.2 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.662 ng
RT: 15.598 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

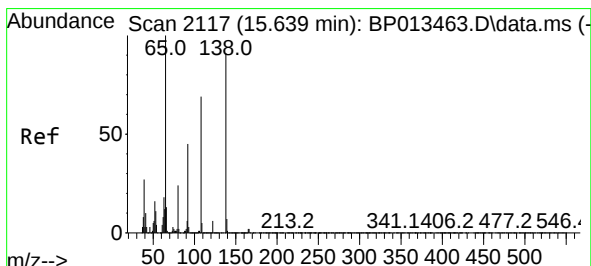
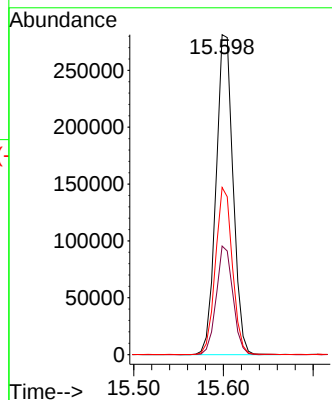
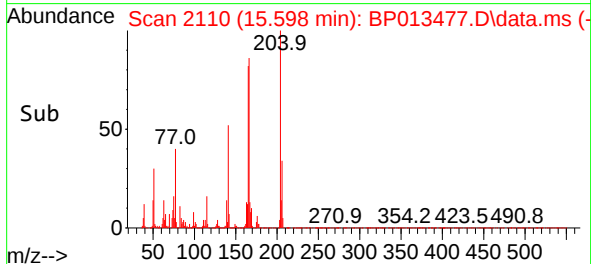
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



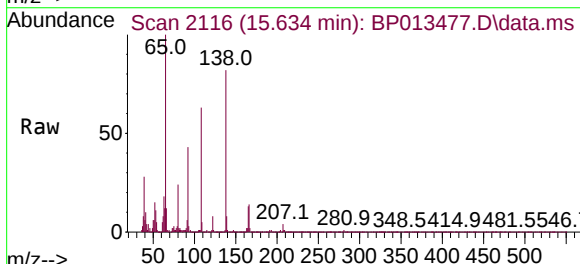
Tgt Ion:204 Resp: 373668
Ion Ratio Lower Upper
204 100
206 33.9 26.4 39.6
141 52.3 41.3 61.9

Manual Integrations
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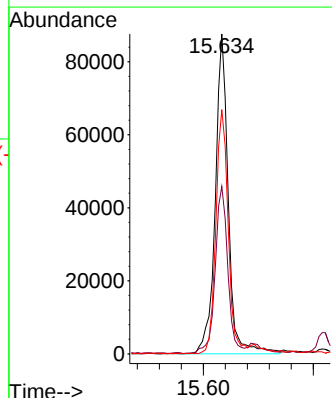
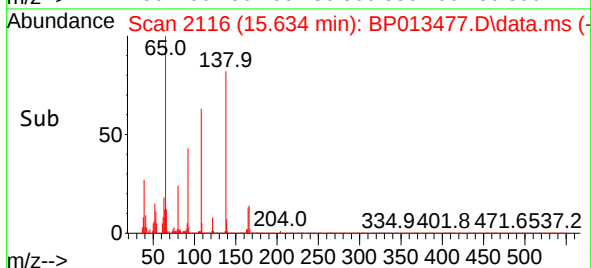
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

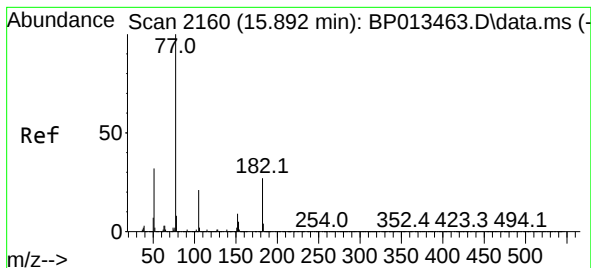


#62
4-Nitroaniline
Concen: 6.135 ng
RT: 15.634 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



Tgt Ion:138 Resp: 144163
Ion Ratio Lower Upper
138 100
92 52.3 29.7 69.7
108 76.3 55.8 95.8





#63

Azobenzene

Concen: 7.166 ng

RT: 15.898 min Scan# 2160

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion: 77 Resp: 63317

Ion Ratio Lower Upper

77 100

182 28.1 7.0 47.0

105 21.2 1.0 41.0

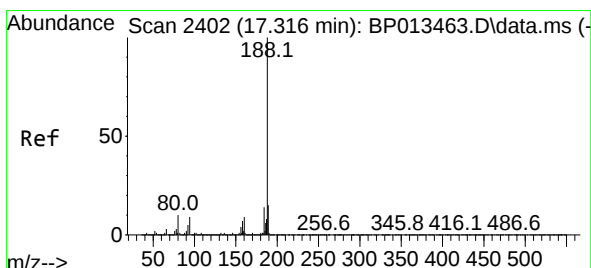
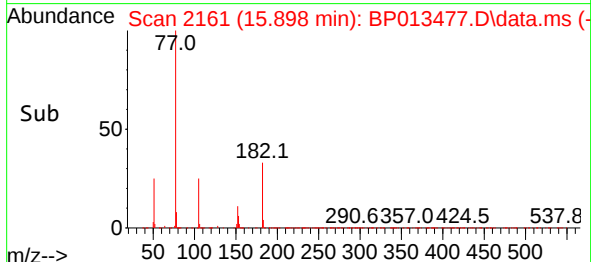
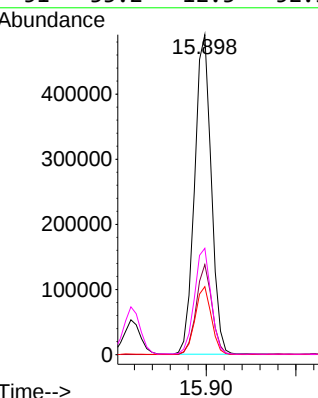
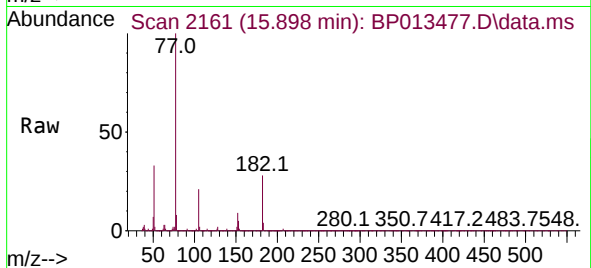
51 33.2 12.3 52.3

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.316 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

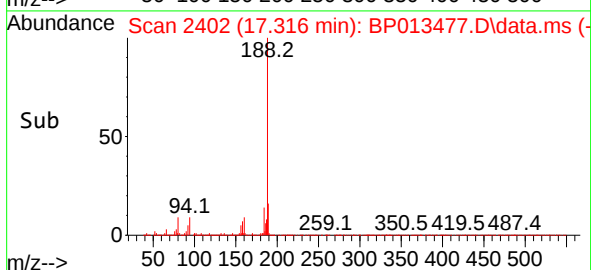
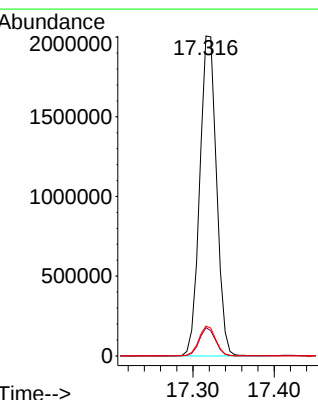
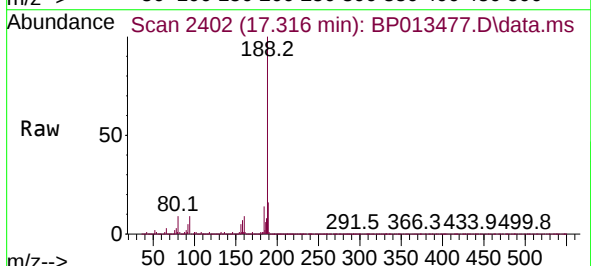
Tgt Ion:188 Resp: 2878511

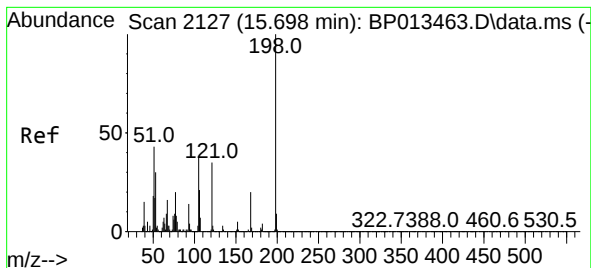
Ion Ratio Lower Upper

188 100

94 8.8 7.1 10.7

80 9.3 7.9 11.9





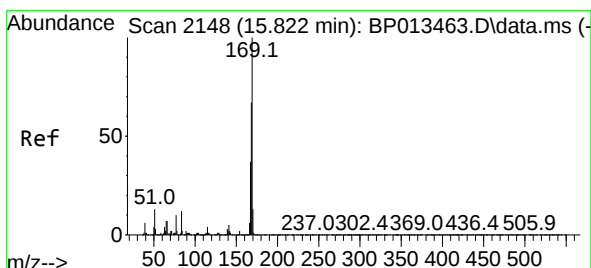
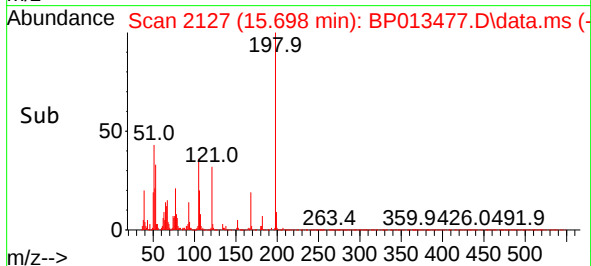
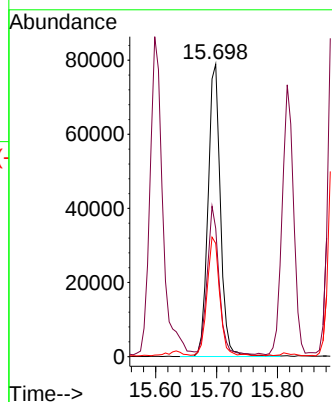
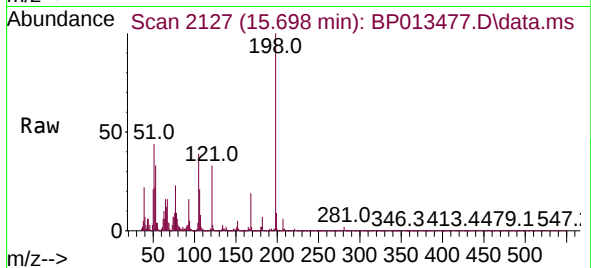
#65
4,6-Dinitro-2-methylphenol
Concen: 5.667 ng
RT: 15.698 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:198 Resp: 111566
Ion Ratio Lower Upper
198 100
51 43.9 23.6 63.6
105 38.7 17.9 57.9

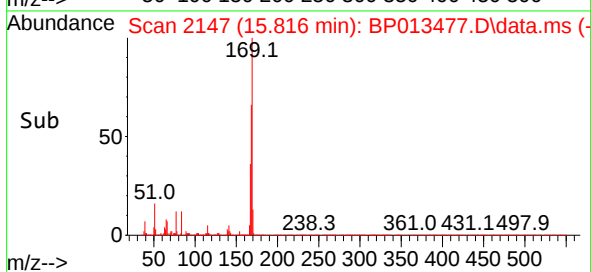
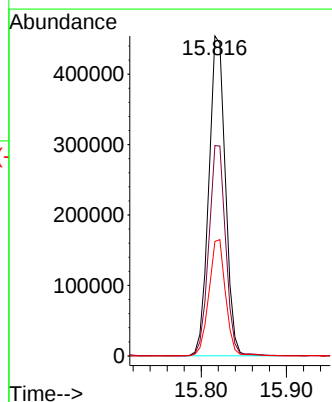
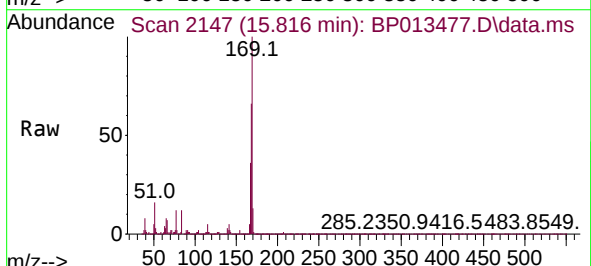
Manual Integrations
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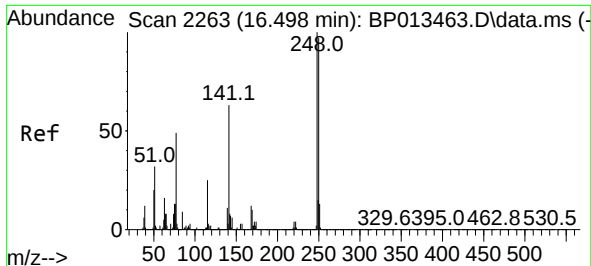
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#66
n-Nitrosodiphenylamine
Concen: 7.253 ng
RT: 15.816 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

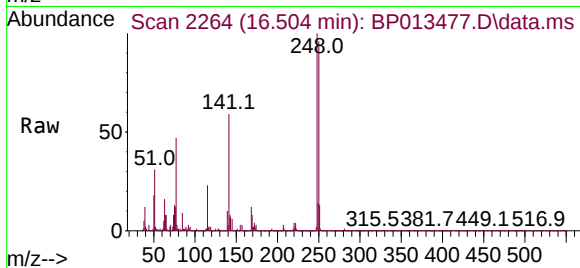
Tgt Ion:169 Resp: 613494
Ion Ratio Lower Upper
169 100
168 65.7 53.3 79.9
167 35.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 7.050 ng
RT: 16.504 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

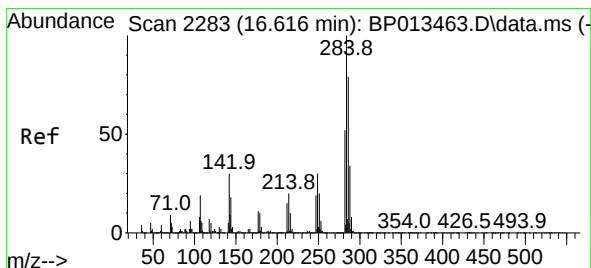
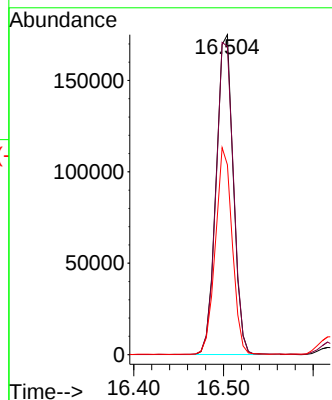
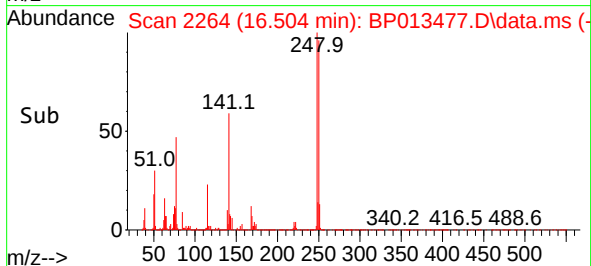
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:248 Resp: 233601
Ion Ratio Lower Upper
248 100
250 96.3 77.7 116.5
141 59.3 50.2 75.4

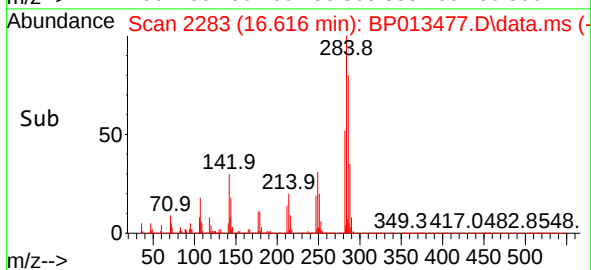
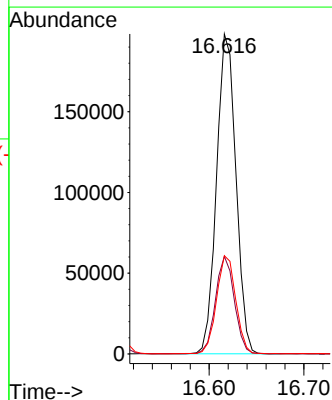
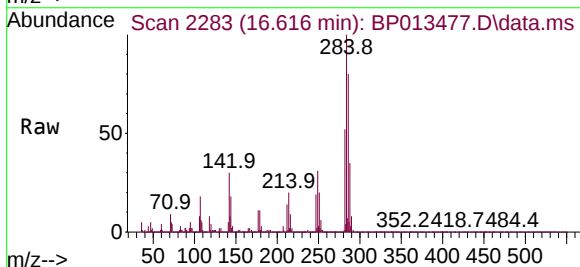
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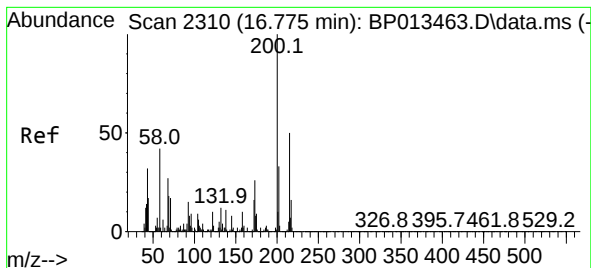
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#68
Hexachlorobenzene
Concen: 7.805 ng
RT: 16.616 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:284 Resp: 281645
Ion Ratio Lower Upper
284 100
142 30.5 23.9 35.9
249 30.7 24.1 36.1





#69

Atrazine

Concen: 7.574 ng

RT: 16.775 min Scan# 2310

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

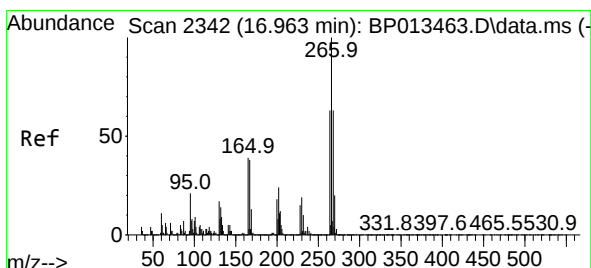
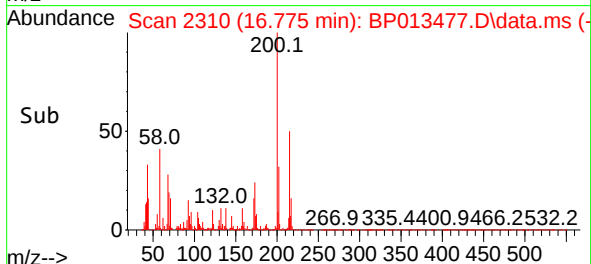
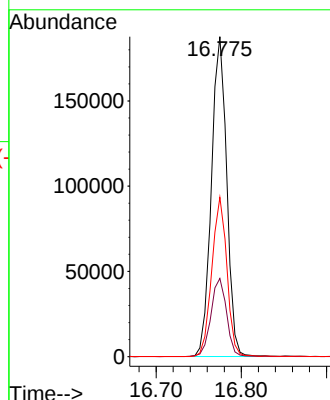
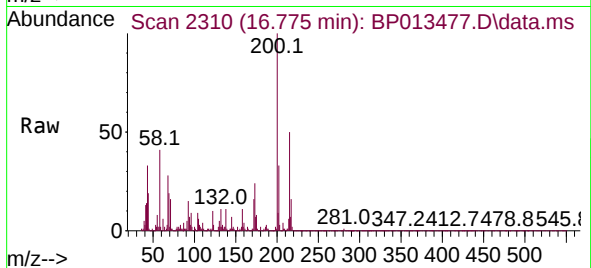
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:200 Resp: 234625
 Ion Ratio Lower Upper
 200 100
 173 24.4 5.9 45.9
 215 49.8 30.0 70.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#70

Pentachlorophenol

Concen: 5.744 ng

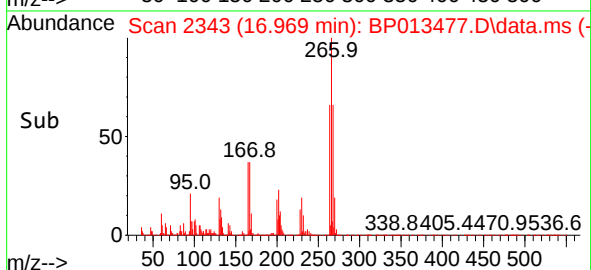
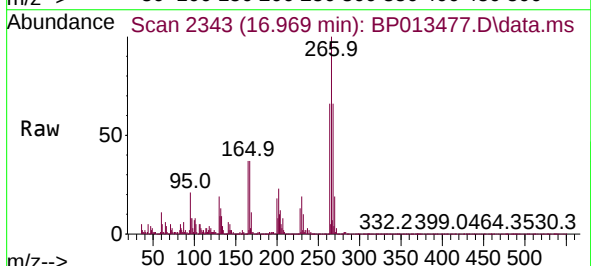
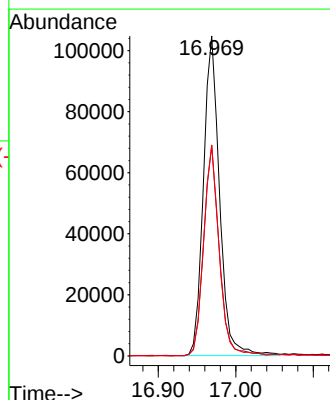
RT: 16.969 min Scan# 2343

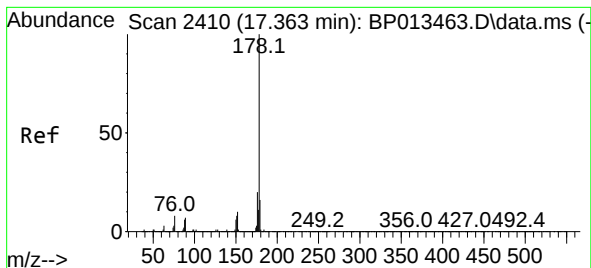
Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Tgt Ion:266 Resp: 151922
 Ion Ratio Lower Upper
 266 100
 268 65.7 50.7 76.1
 264 65.9 50.4 75.6





#71

Phenanthrene

Concen: 7.606 ng

RT: 17.363 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:178 Resp: 1155206

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.6

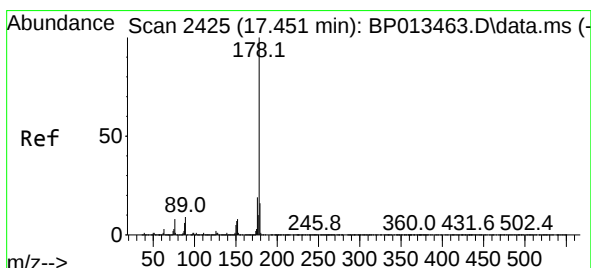
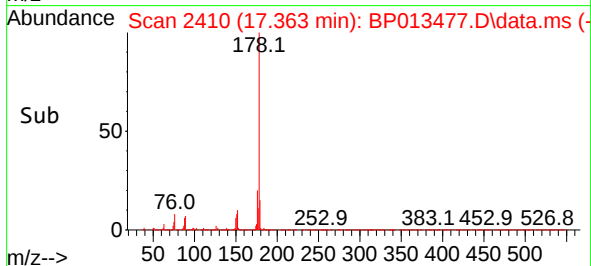
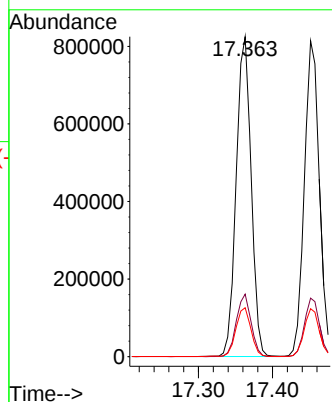
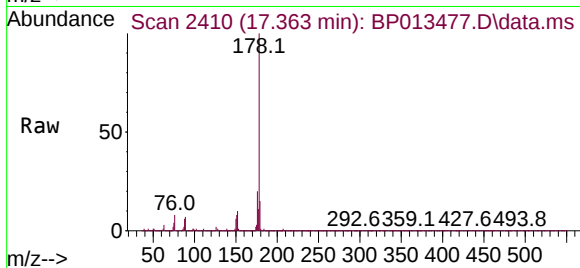
179 15.3 12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#72

Anthracene

Concen: 7.451 ng

RT: 17.451 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

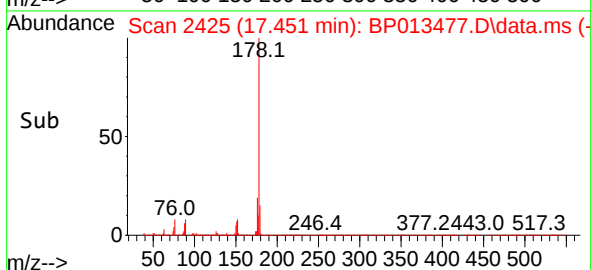
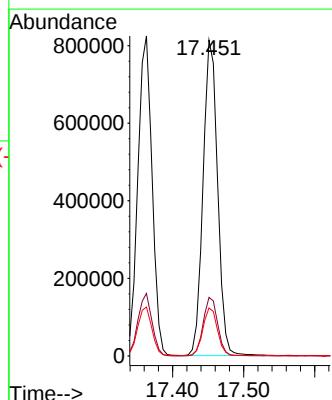
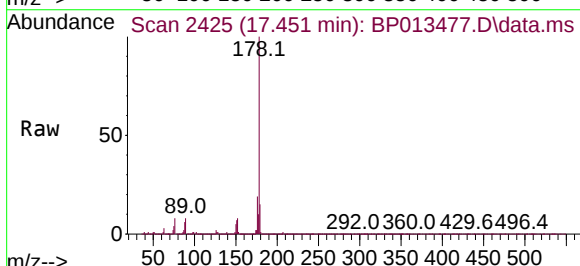
Tgt Ion:178 Resp: 1151491

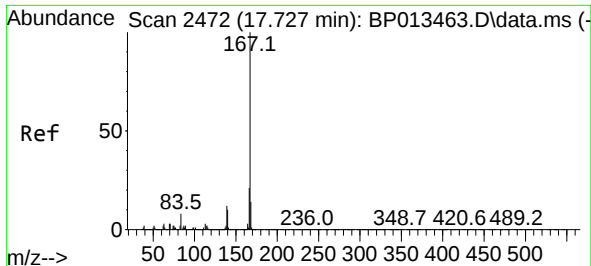
Ion Ratio Lower Upper

178 100

176 18.5 15.2 22.8

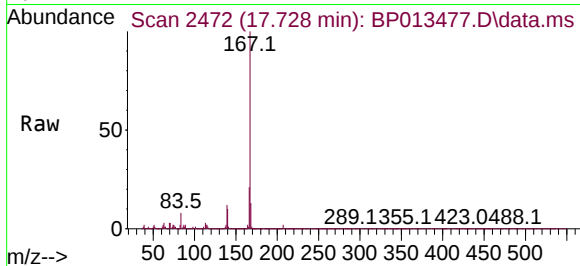
179 15.2 12.6 18.8





#73
 Carbazole
 Concen: 7.452 ng
 RT: 17.728 min Scan# 2472
 Delta R.T. 0.000 min
 Lab File: BP013477.D
 Acq: 16 Jan 2023 12:10

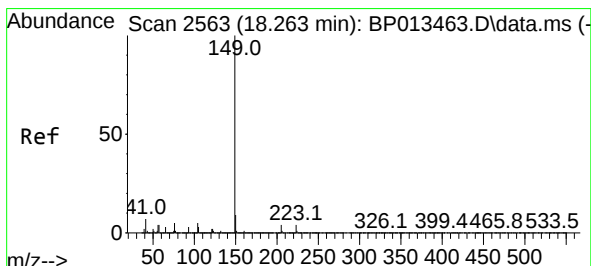
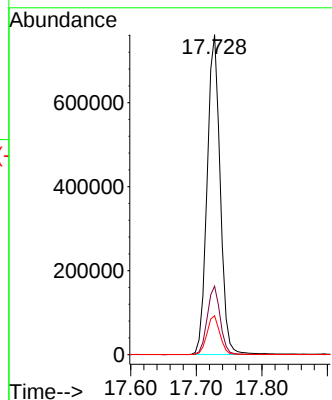
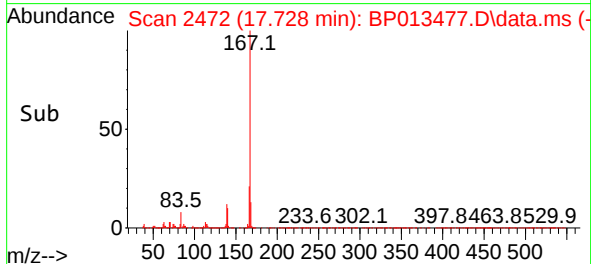
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2022



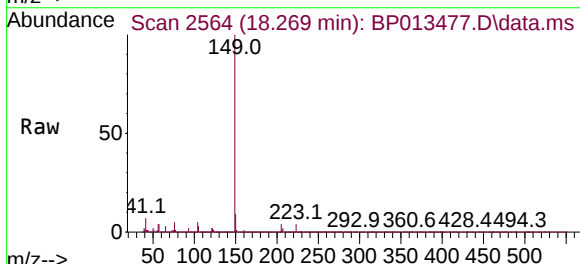
Tgt Ion:167 Resp: 1048955
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 12.1 9.9 14.9

Manual Integrations
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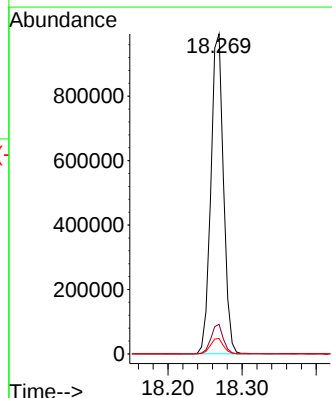
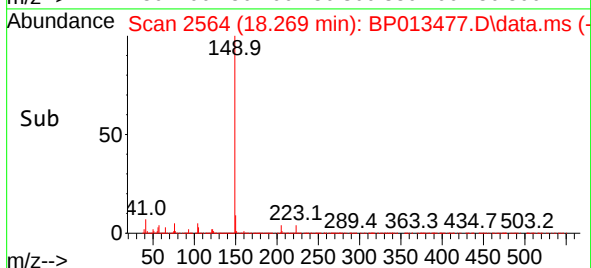
Reviewed By :Christian Giraldo 01/17/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

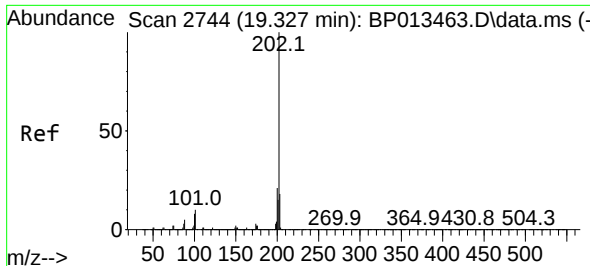


#74
 Di-n-butylphthalate
 Concen: 7.204 ng
 RT: 18.269 min Scan# 2564
 Delta R.T. 0.006 min
 Lab File: BP013477.D
 Acq: 16 Jan 2023 12:10



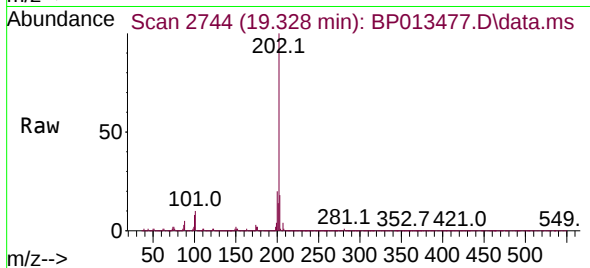
Tgt Ion:149 Resp: 1177050
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 7.753 ng
RT: 19.328 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

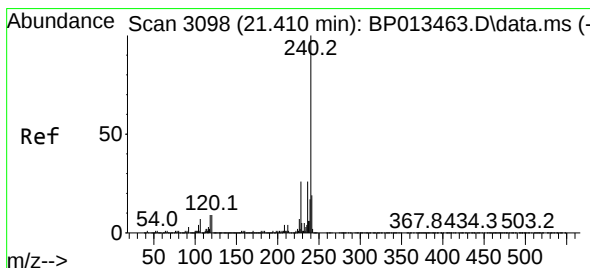
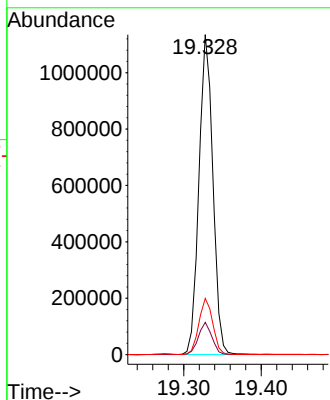
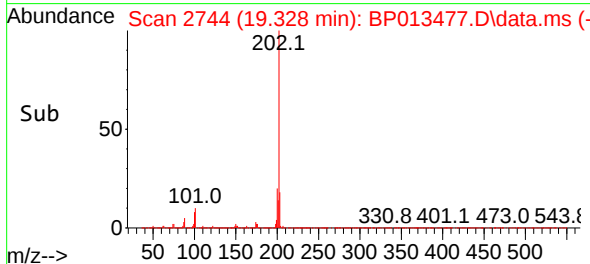
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:202 Resp: 1414396
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.3
203 17.5 0.0 37.9

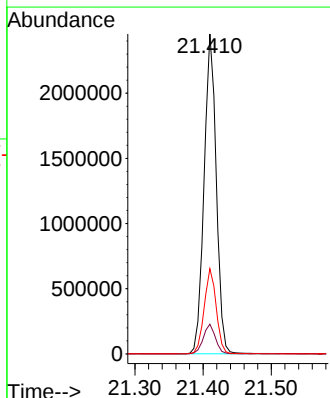
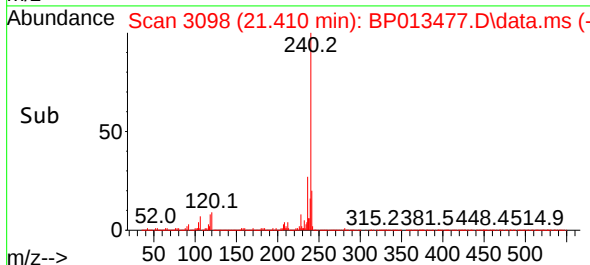
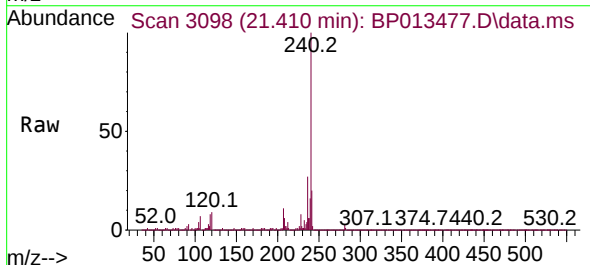
Manual Integrations
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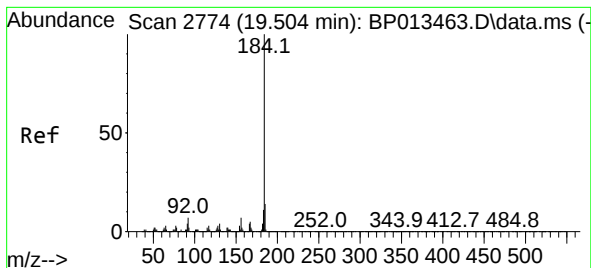
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3098
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:240 Resp: 3056914
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 26.6 21.2 31.8





#77

Benzidine

Concen: 8.442 ng

RT: 19.510 min Scan# 2775

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

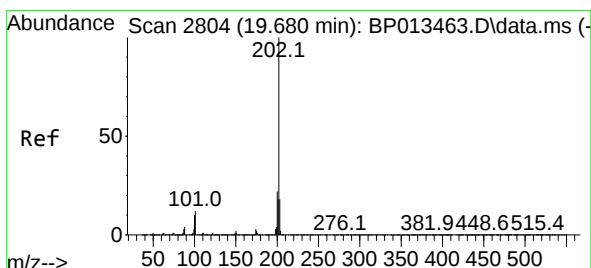
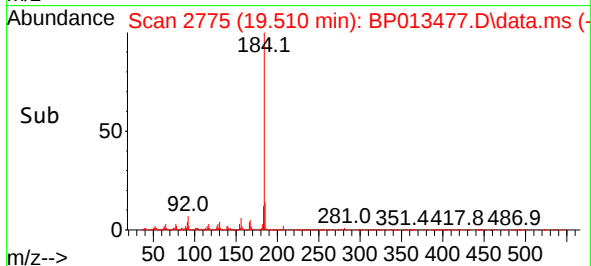
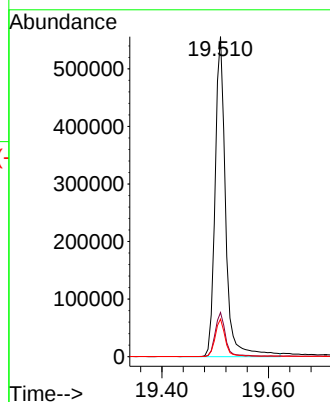
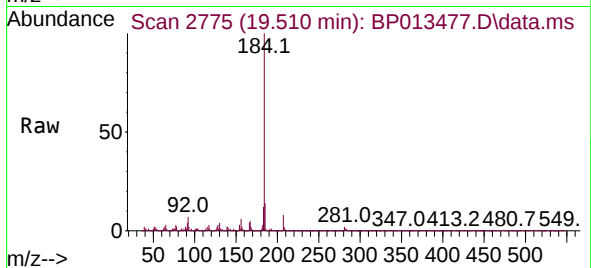
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:184	Resp: 76685
Ion Ratio	Lower Upper
184 100	
185 13.8	11.3 16.9
183 11.7	9.1 13.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#78

Pyrene

Concen: 7.481 ng

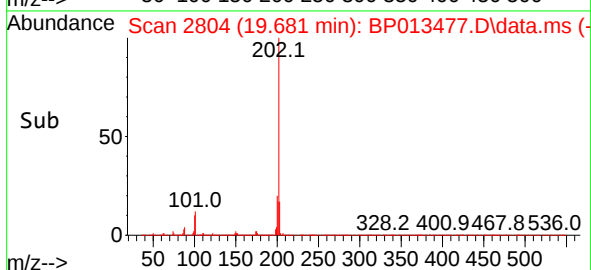
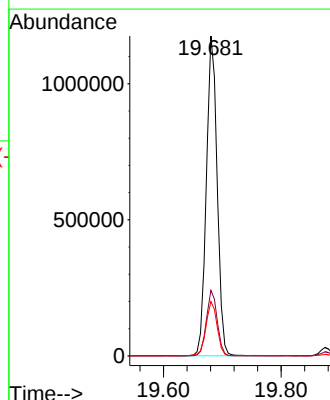
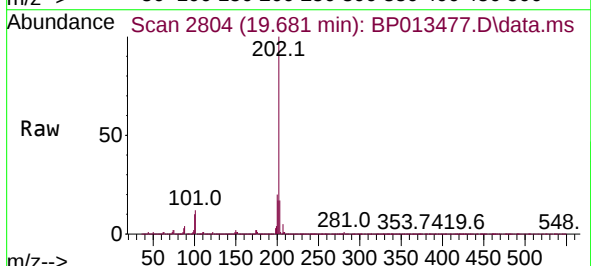
RT: 19.681 min Scan# 2804

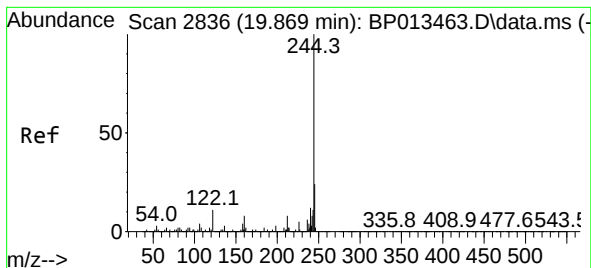
Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Tgt Ion:202	Resp: 1504067
Ion Ratio	Lower Upper
202 100	
200 20.5	17.4 26.2
203 17.0	14.6 21.8





#79

Terphenyl-d14

Concen: 70.330 ng

RT: 19.875 min Scan# 2836

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:244 Resp:1051605

Ion Ratio Lower Upper

244 100

212 7.6 6.8 10.2

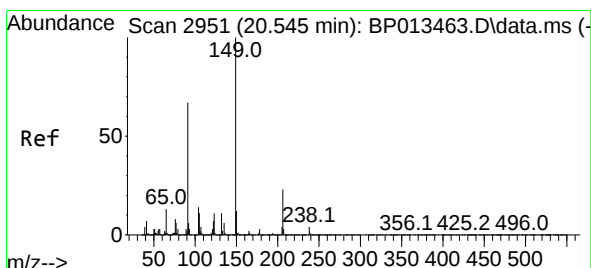
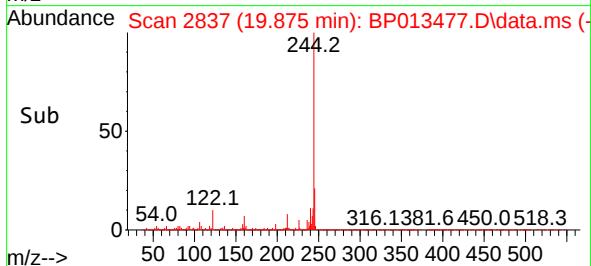
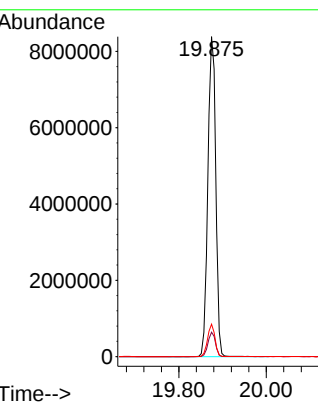
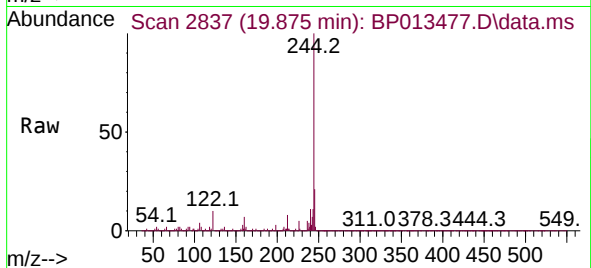
122 10.1 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#80

Butylbenzylphthalate

Concen: 6.405 ng

RT: 20.545 min Scan# 2951

Delta R.T. 0.000 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

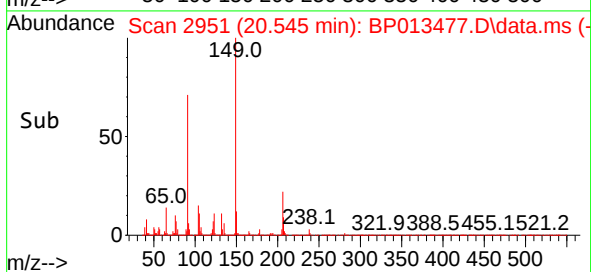
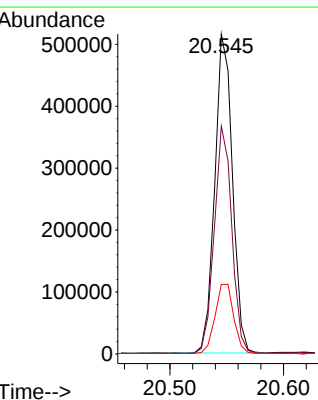
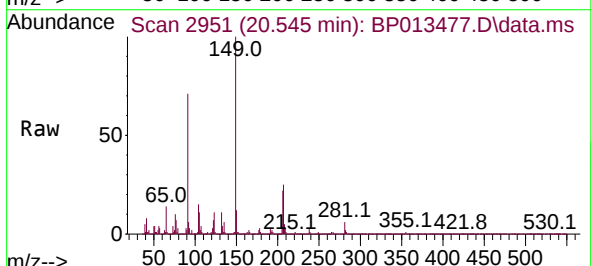
Tgt Ion:149 Resp: 556637

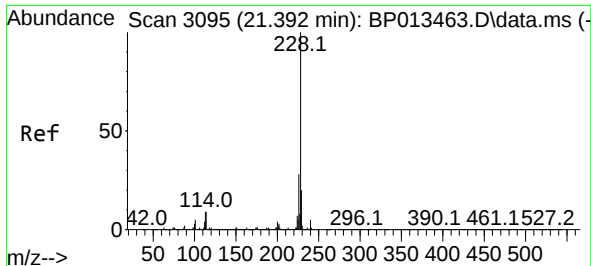
Ion Ratio Lower Upper

149 100

91 71.2 53.2 79.8

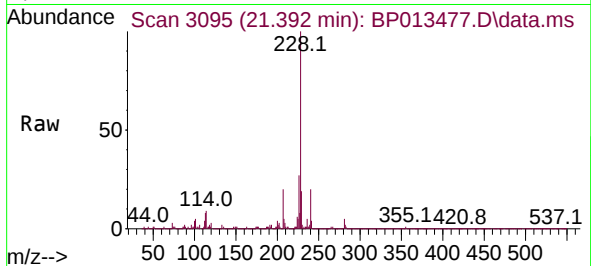
206 21.7 18.8 28.2





#81
Benzo(a)anthracene
Concen: 7.680 ng
RT: 21.392 min Scan# 3095
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

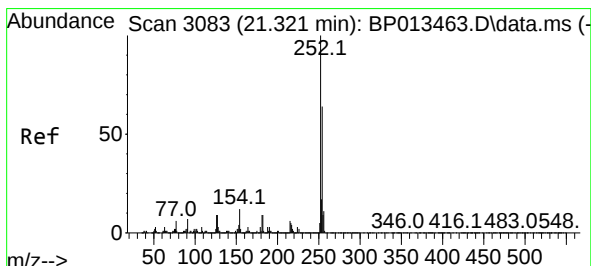
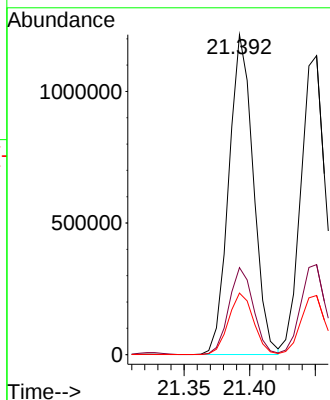
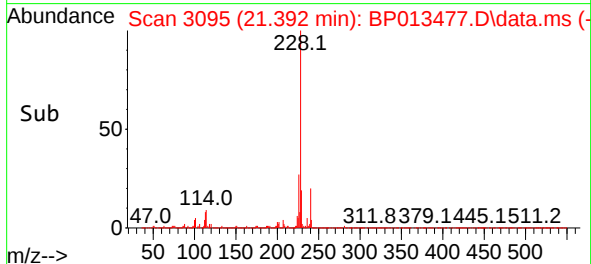
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



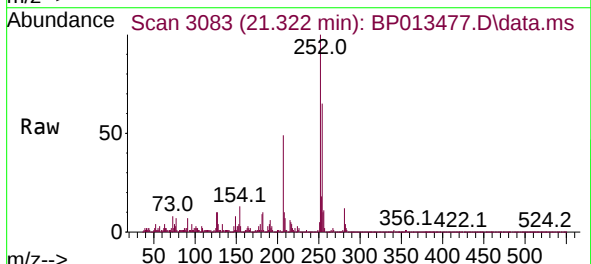
Tgt Ion:228 Resp: 1581043
Ion Ratio Lower Upper
228 100
226 27.2 22.6 34.0
229 19.2 16.4 24.6

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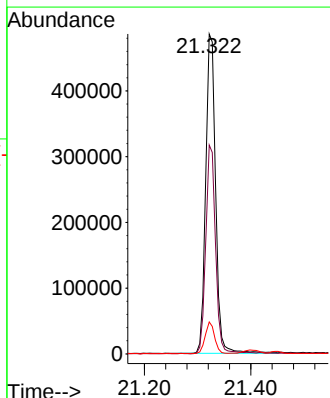
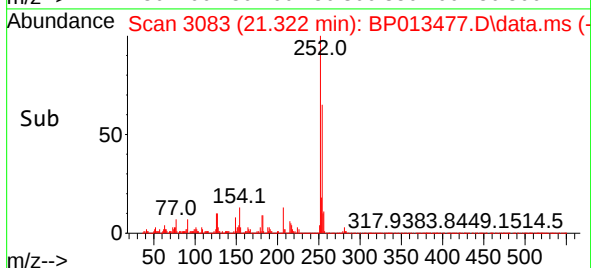
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

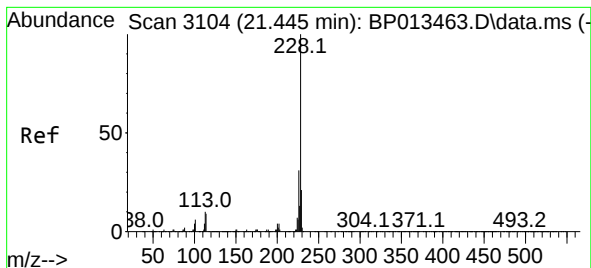


#82
3,3'-Dichlorobenzidine
Concen: 8.160 ng
RT: 21.322 min Scan# 3083
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



Tgt Ion:252 Resp: 627652
Ion Ratio Lower Upper
252 100
254 65.3 51.0 76.6
126 10.0 7.6 11.4





#83

Chrysene

Concen: 7.660 ng

RT: 21.451 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:228 Resp: 1489972

Ion Ratio Lower Upper

228 100

226 30.1 25.1 37.7

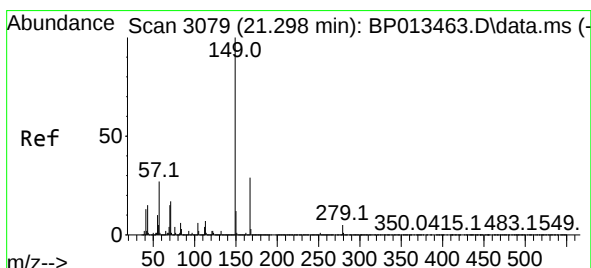
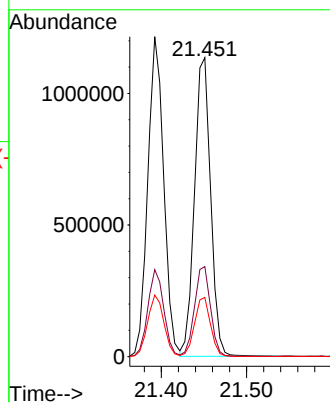
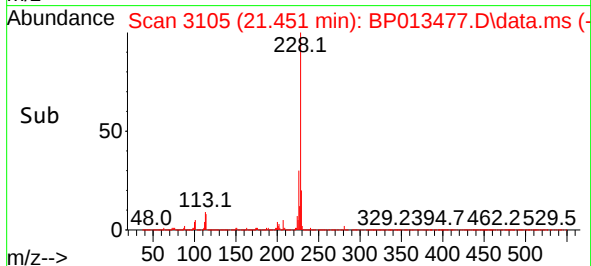
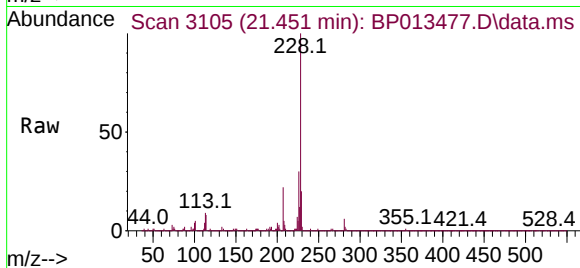
229 19.8 16.5 24.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.904 ng

RT: 21.304 min Scan# 3080

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

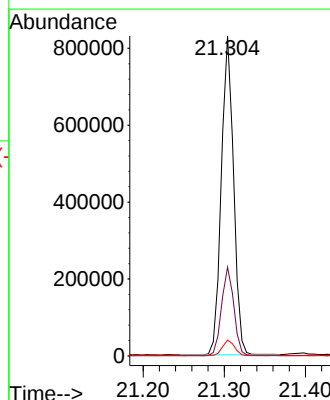
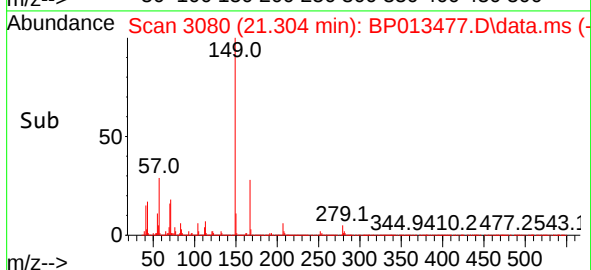
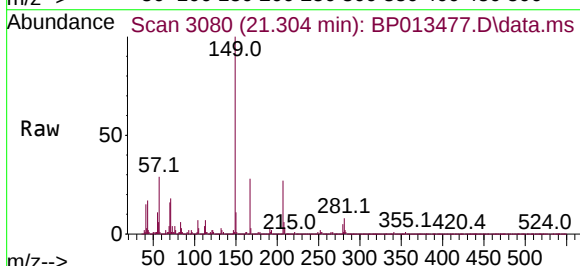
Tgt Ion:149 Resp: 868352

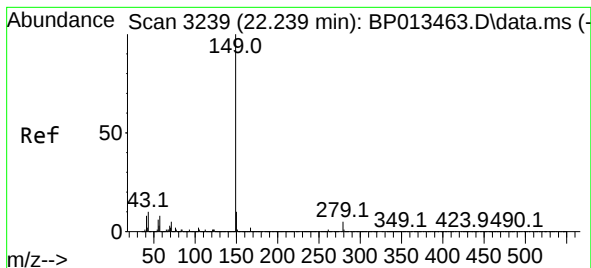
Ion Ratio Lower Upper

149 100

167 27.7 23.0 34.4

279 4.9 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 7.129 ng

RT: 22.245 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:149 Resp: 1522185

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

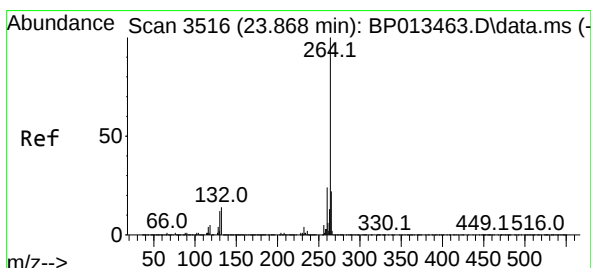
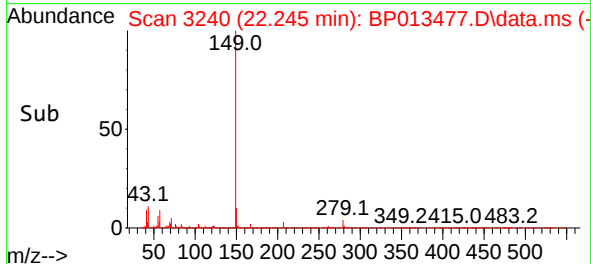
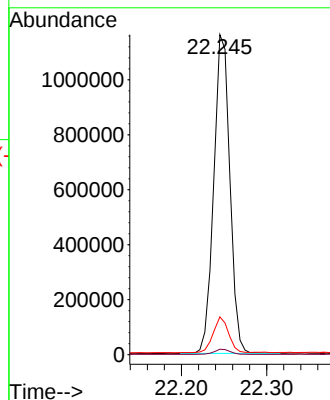
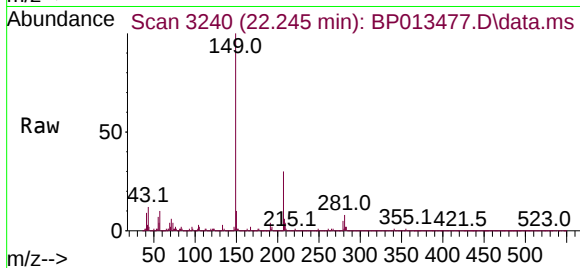
43 10.8 7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.874 min Scan# 3517

Delta R.T. 0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

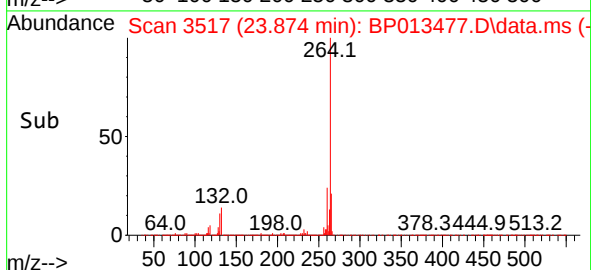
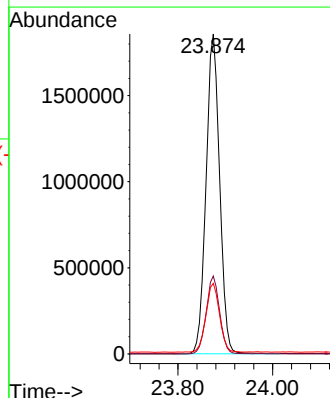
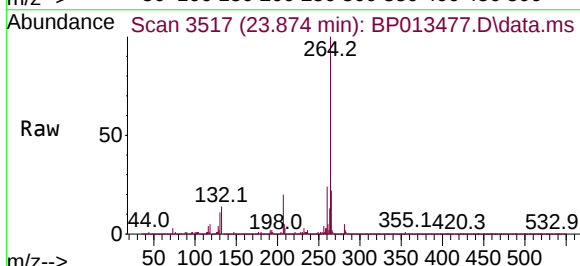
Tgt Ion:264 Resp: 3695546

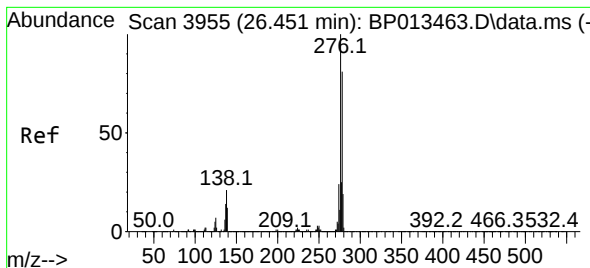
Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 22.0 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.410 ng

RT: 26.445 min Scan# 3955

Delta R.T. -0.006 min

Lab File: BP013477.D

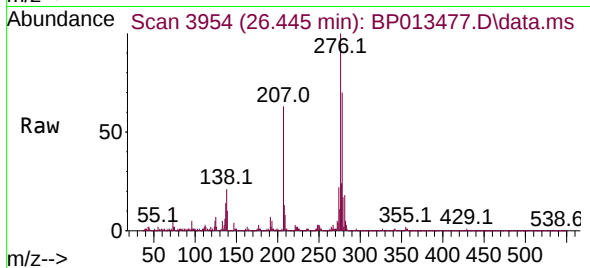
Acq: 16 Jan 2023 12:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2022



Tgt Ion:276 Resp: 1980362

Ion Ratio Lower Upper

276 100

138 21.4 17.0 25.4

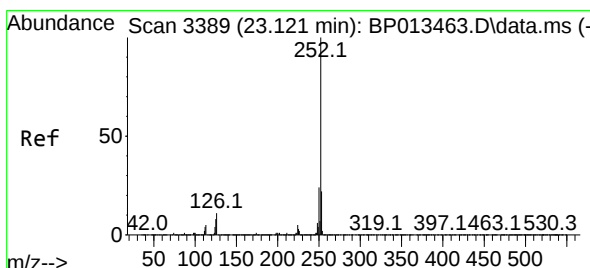
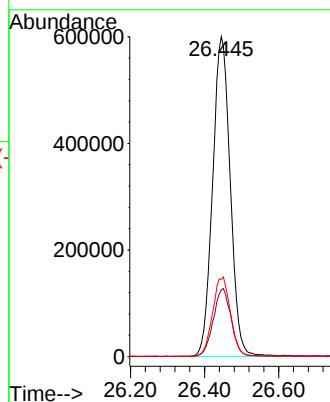
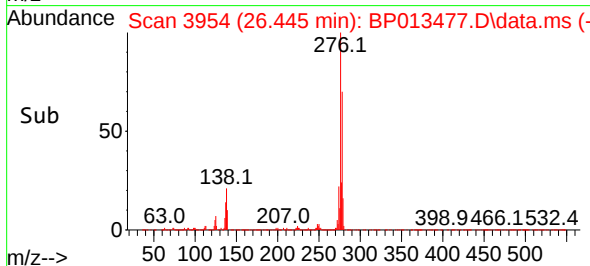
277 25.2 20.4 30.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/17/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#88

Benzo(b)fluoranthene

Concen: 7.584 ng

RT: 23.116 min Scan# 3388

Delta R.T. -0.006 min

Lab File: BP013477.D

Acq: 16 Jan 2023 12:10

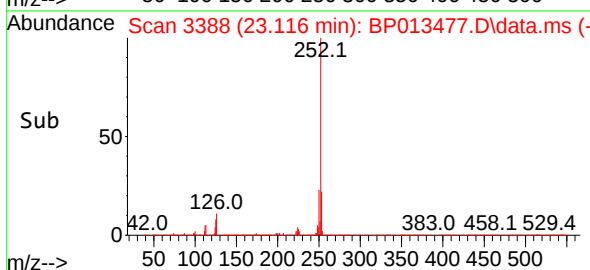
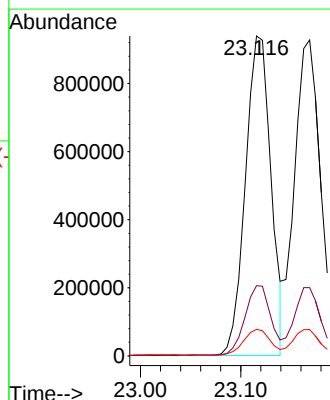
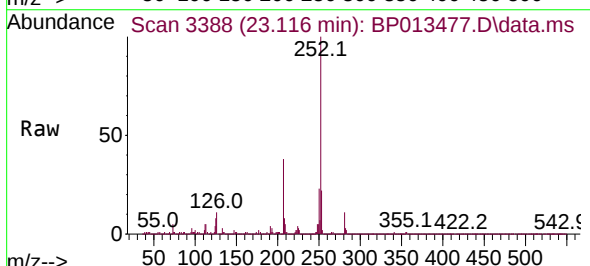
Tgt Ion:252 Resp: 1664075

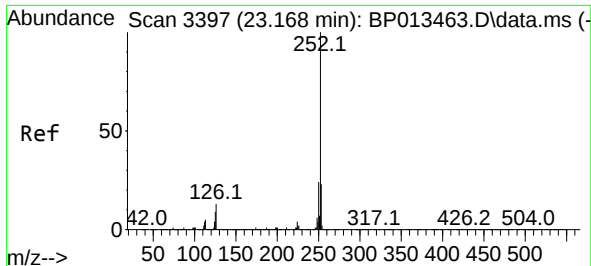
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

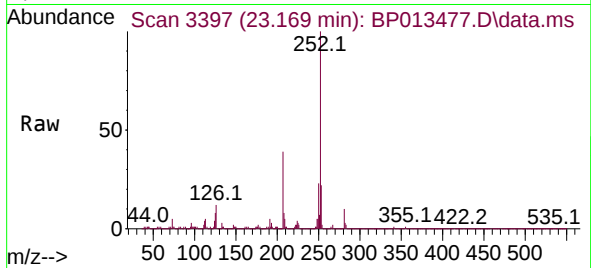
125 8.3 6.7 10.1





#89
Benzo(k)fluoranthene
Concen: 7.920 ng
RT: 23.169 min Scan# 3397
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

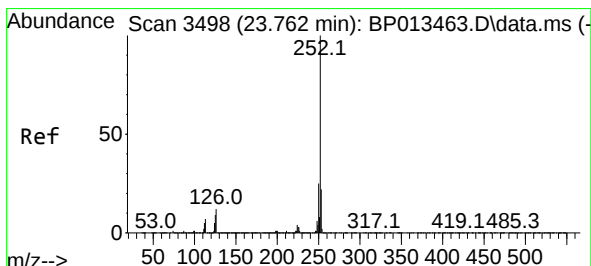
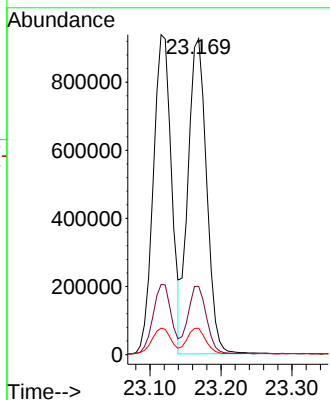
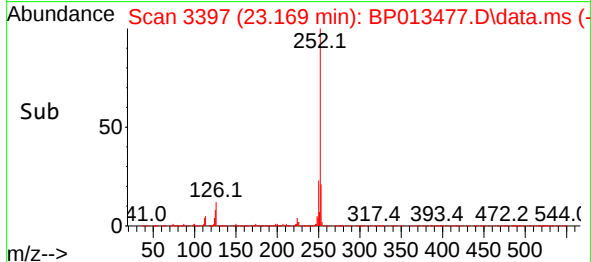
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022



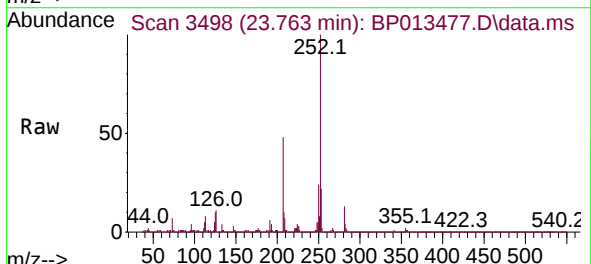
Tgt Ion:252 Resp: 168672
Ion Ratio Lower Upper
252 100
253 21.6 18.1 27.1
125 8.4 6.9 10.3

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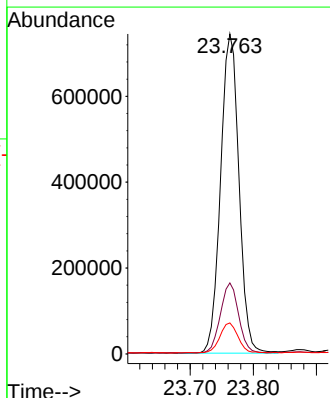
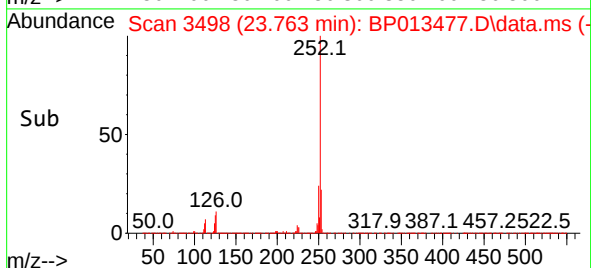
Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023

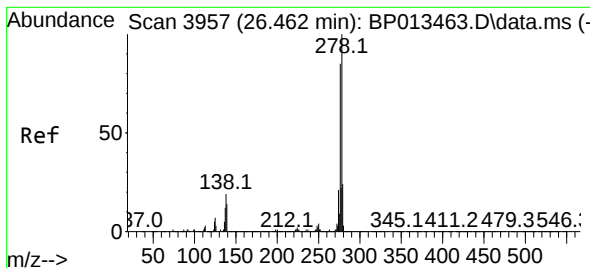


#90
Benzo(a)pyrene
Concen: 6.972 ng
RT: 23.763 min Scan# 3498
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10



Tgt Ion:252 Resp: 1502908
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 9.7 7.6 11.4





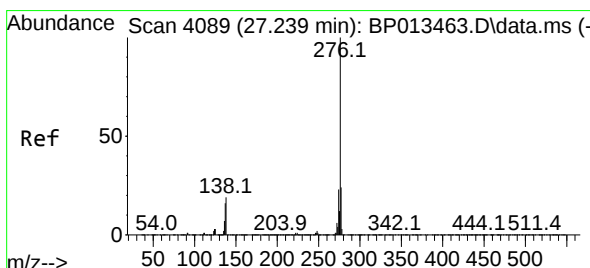
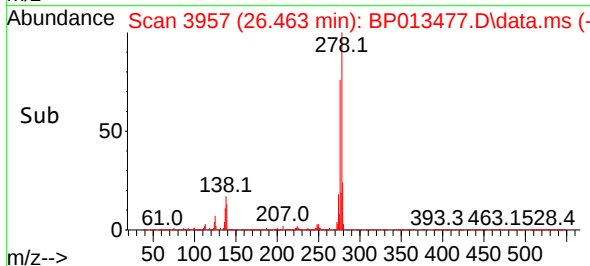
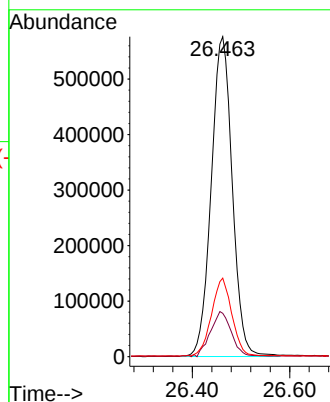
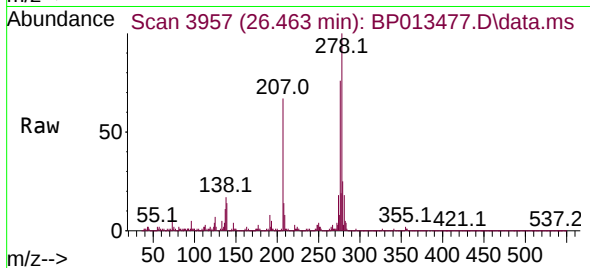
#91
Dibenzo(a,h)anthracene
Concen: 7.764 ng
RT: 26.463 min Scan# 3957
Delta R.T. 0.000 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2022

Tgt Ion:278 Resp: 1727660
Ion Ratio Lower Upper
278 100
139 13.5 11.1 16.7
279 24.5 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/17/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#92
Benzo(g,h,i)perylene
Concen: 7.783 ng
RT: 27.233 min Scan# 4088
Delta R.T. -0.006 min
Lab File: BP013477.D
Acq: 16 Jan 2023 12:10

Tgt Ion:276 Resp: 1708876
Ion Ratio Lower Upper
276 100
277 23.7 19.3 28.9
138 19.3 15.3 22.9

