

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020224\
 Data File : BP019542.D
 Acq On : 02 Feb 2024 23:33
 Operator : MA/JU
 Sample : 04699-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Feb 03 00:09:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	86083	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	362097	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	264686	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	606361	20.000	ng	0.00
76) Chrysene-d12	21.386	240	416986	20.000	ng	0.00
86) Perylene-d12	23.804	264	414592	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	671831	125.802	ng	0.00
7) Phenol-d6	7.081	99	934821	129.822	ng	0.00
23) Nitrobenzene-d5	9.081	82	650856	77.887	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	577028	149.311	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	1624847	75.889	ng	0.00
79) Terphenyl-d14	19.869	244	2574032	101.517	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.387	88	8419	4.092	ng	# 93
3) Pyridine	3.793	79	20155	3.613	ng	97
4) n-Nitrosodimethylamine	3.711	42	9066	3.733	ng	# 99
6) Aniline	7.246	93	33250	4.752	ng	99
8) 2-Chlorophenol	7.469	128	20461	3.732	ng	96
9) Benzaldehyde	7.057	77	25030	4.958	ng	95
10) Phenol	7.104	94	28182	3.927	ng	86
11) bis(2-Chloroethyl)ether	7.346	93	22022	3.944	ng	97
12) 1,3-Dichlorobenzene	7.793	146	25243	3.763	ng	96
13) 1,4-Dichlorobenzene	7.946	146	25710	3.783	ng	97
14) 1,2-Dichlorobenzene	8.257	146	24813	3.773	ng	97
15) Benzyl Alcohol	8.157	79	24871	4.323	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.446	45	23134	4.143	ng	97
17) 2-Methylphenol	8.351	107	18869	3.905	ng	98
18) Hexachloroethane	8.981	117	9768	3.708	ng	91
19) n-Nitroso-di-n-propyla...	8.722	70	21222	4.315	ng	98
20) 3+4-Methylphenols	8.681	107	25552	3.875	ng	96
22) Acetophenone	8.740	105	41684	4.041	ng	# 97
24) Nitrobenzene	9.122	77	32792	3.897	ng	98
25) Isophorone	9.646	82	58561	4.024	ng	96
26) 2-Nitrophenol	9.828	139	11202	3.492	ng	93
27) 2,4-Dimethylphenol	9.887	122	18065	4.404	ng	98
28) bis(2-Chloroethoxy)met...	10.134	93	32013	3.888	ng	97
29) 2,4-Dichlorophenol	10.357	162	23351	3.766	ng	99
30) 1,2,4-Trichlorobenzene	10.569	180	28000	3.683	ng	98
31) Naphthalene	10.757	128	74132	3.733	ng	98
32) Benzoic acid	9.951	122	9960	2.492	ng	87
33) 4-Chloroaniline	10.881	127	32231	4.389	ng	97
34) Hexachlorobutadiene	11.034	225	20068	3.562	ng	96
35) Caprolactam	11.645	113	6981	3.977	ng	97
36) 4-Chloro-3-methylphenol	11.992	107	25881	3.828	ng	98
37) 2-Methylnaphthalene	12.369	142	54243	3.947	ng	94
38) 1-Methylnaphthalene	12.587	142	52242	3.868	ng	95
40) 1,2,4,5-Tetrachloroben...	12.734	216	37826	3.706	ng	98
41) Hexachlorocyclopentadiene	12.704	237	19163	4.156	ng	98
43) 2,4,6-Trichlorophenol	12.975	196	20821	3.368	ng	99

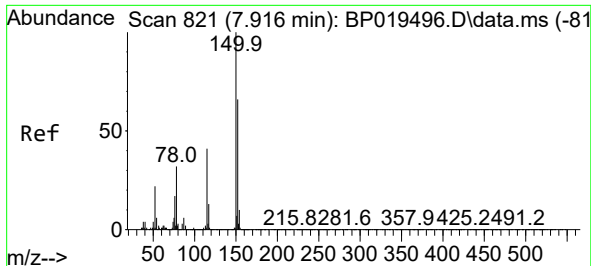
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.039	196	22602	3.330	ng	96
46) 1,1'-Biphenyl	13.381	154	79520	3.764	ng	98
47) 2-Chloronaphthalene	13.422	162	61813	3.564	ng	96
48) 2-Nitroaniline	13.634	65	16009	3.301	ng	99
49) Acenaphthylene	14.263	152	97514	4.008	ng	99
50) Dimethylphthalate	14.010	163	82455	4.069	ng	98
51) 2,6-Dinitrotoluene	14.134	165	15698	3.526	ng	92
52) Acenaphthene	14.604	154	57210	3.789	ng	98
53) 3-Nitroaniline	14.457	138	14689	3.590	ng #	95
54) 2,4-Dinitrophenol	14.663	184	5867	2.538	ng	93
55) Dibenzofuran	14.939	168	95279	3.874	ng	99
56) 4-Nitrophenol	14.757	139	10357	3.089	ng	95
57) 2,4-Dinitrotoluene	14.916	165	20435	3.503	ng #	98
58) Fluorene	15.592	166	78684	4.017	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.163	232	21725	3.805	ng #	99
60) Diethylphthalate	15.381	149	78503	3.895	ng	98
61) 4-Chlorophenyl-phenyle...	15.592	204	43845	3.982	ng	97
62) 4-Nitroaniline	15.616	138	14526	3.387	ng	94
63) Azobenzene	15.886	77	73098	3.751	ng	95
65) 4,6-Dinitro-2-methylph...	15.669	198	9624	2.784	ng	92
66) n-Nitrosodiphenylamine	15.810	169	66310	3.651	ng	97
67) 4-Bromophenyl-phenylether	16.492	248	26842	3.541	ng	98
68) Hexachlorobenzene	16.586	284	32040	3.620	ng	91
69) Atrazine	16.769	200	25863	4.292	ng	99
70) Pentachlorophenol	16.939	266	15338	2.782	ng	98
71) Phenanthrene	17.339	178	123210	3.861	ng	99
72) Anthracene	17.427	178	121772	3.825	ng	99
73) Carbazole	17.704	167	101130	3.497	ng	99
74) Di-n-butylphthalate	18.269	149	115185	3.294	ng	99
75) Fluoranthene	19.304	202	131704	3.379	ng	99
77) Benzidine	19.498	184	50427	5.784	ng	99
78) Pyrene	19.657	202	134708	4.577	ng	98
80) Butylbenzylphthalate	20.551	149	35525	3.232	ng	96
81) Benzo(a)anthracene	21.368	228	109892	3.744	ng	99
82) 3,3'-Dichlorobenzidine	21.310	252	35373	3.307	ng	98
83) Chrysene	21.421	228	100827	3.618	ng	98
84) Bis(2-ethylhexyl)phtha...	21.321	149	45795	2.736	ng	99
85) Di-n-octyl phthalate	22.263	149	64800	2.201	ng #	99
87) Indeno(1,2,3-cd)pyrene	26.321	276	118049	3.720	ng #	90
88) Benzo(b)fluoranthene	23.115	252	84431	3.231	ng	98
89) Benzo(k)fluoranthene	23.115	252	84431	3.383	ng	98
90) Benzo(a)pyrene	23.692	252	80234	3.451	ng	98
91) Dibenzo(a,h)anthracene	26.351	278	100145	3.837	ng	99
92) Benzo(g,h,i)perylene	27.092	276	97762	3.692	ng	99

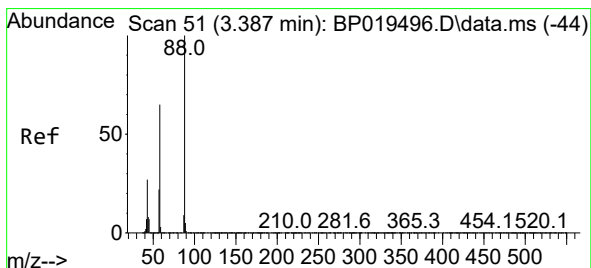
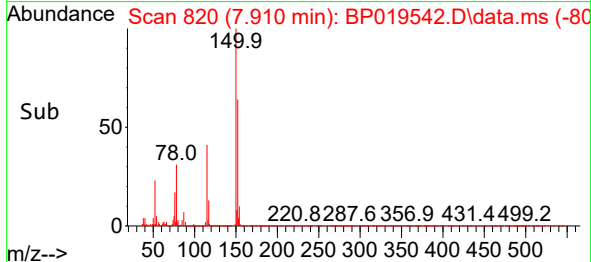
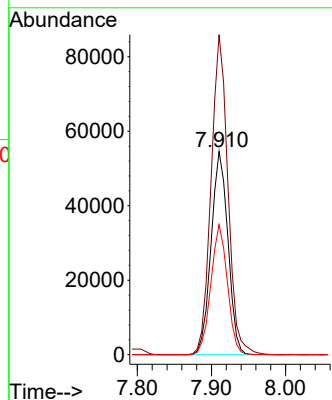
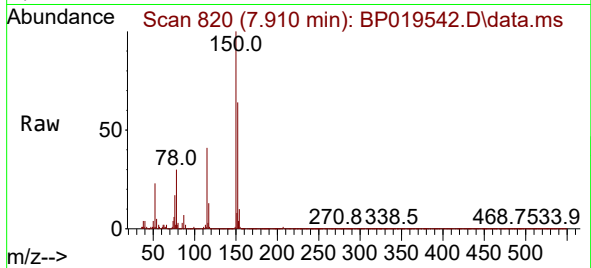
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019542.D
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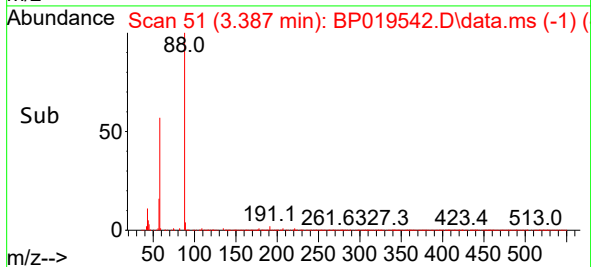
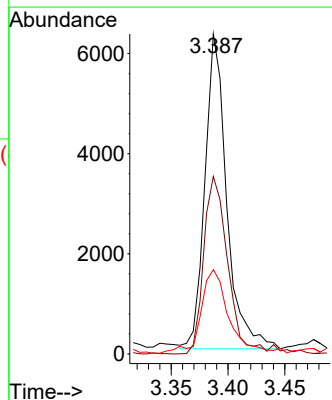
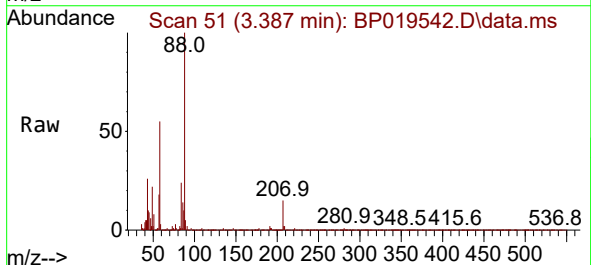
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

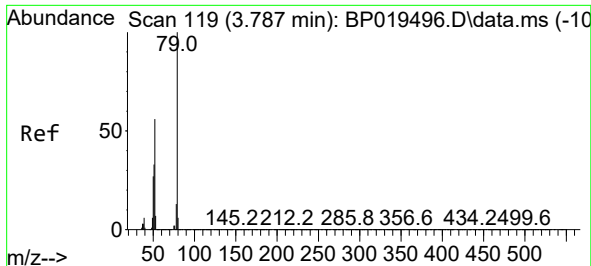
Tgt Ion:152 Resp: 86083
Ion Ratio Lower Upper
152 100
150 157.4 121.8 182.8
115 64.0 49.9 74.9



#2
1,4-Dioxane
Concen: 4.092 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.000 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 88 Resp: 8419
Ion Ratio Lower Upper
88 100
58 61.3 52.6 78.8
43 33.6 21.9 32.9#

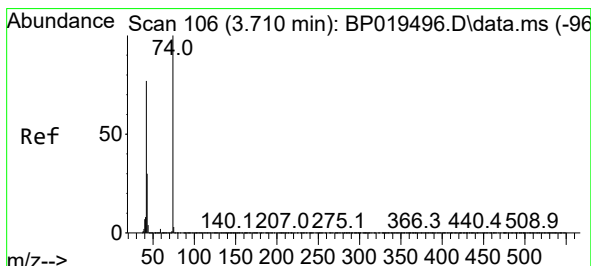
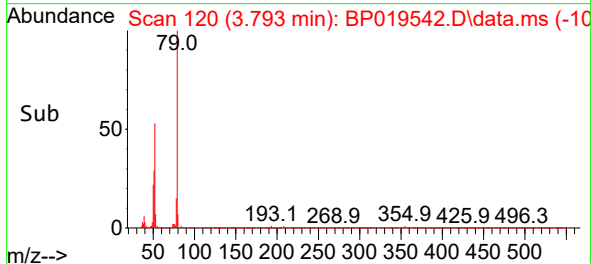
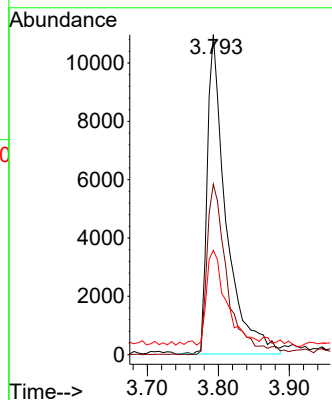
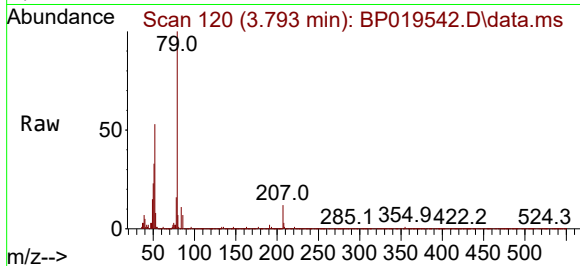




#3
Pyridine
Concen: 3.613 ng
RT: 3.793 min Scan# 119
Delta R.T. 0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

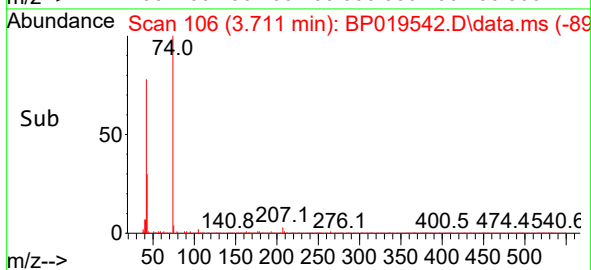
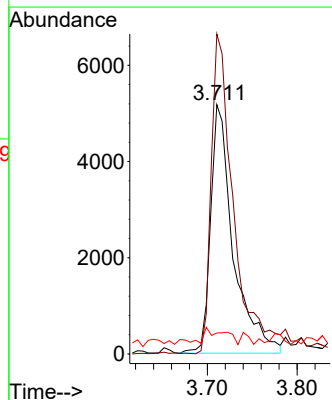
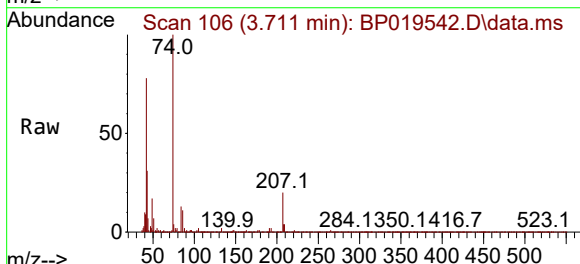
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

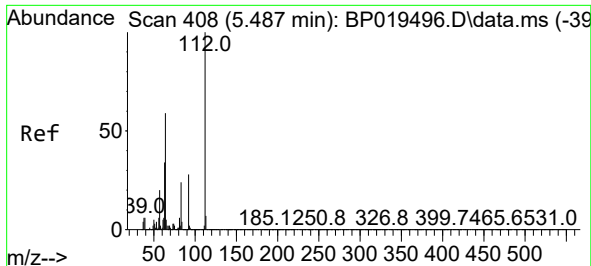
Tgt Ion: 79 Resp: 20155
Ion Ratio Lower Upper
79 100
52 53.3 45.0 67.6
51 32.6 26.8 40.2



#4
n-Nitrosodimethylamine
Concen: 3.733 ng
RT: 3.711 min Scan# 106
Delta R.T. 0.000 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 42 Resp: 9066
Ion Ratio Lower Upper
42 100
74 128.4 103.4 155.2
44 8.4 4.8 7.2#

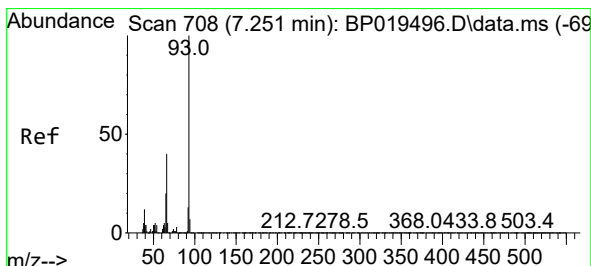
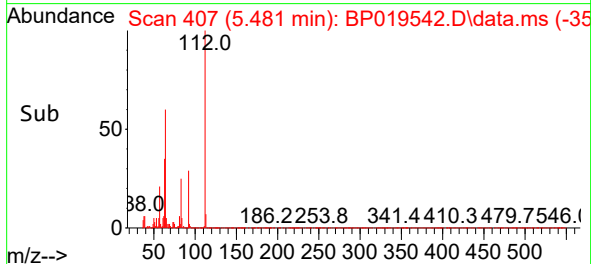
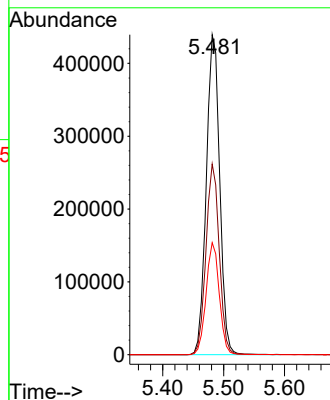
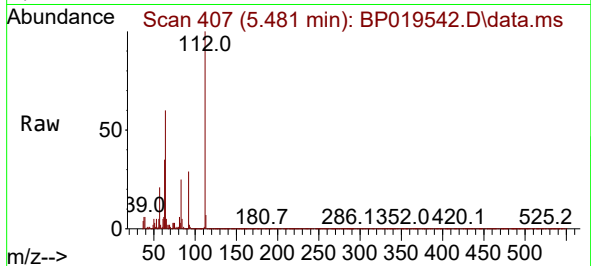




#5
2-Fluorophenol
Concen: 125.802 ng
RT: 5.481 min Scan# 408
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

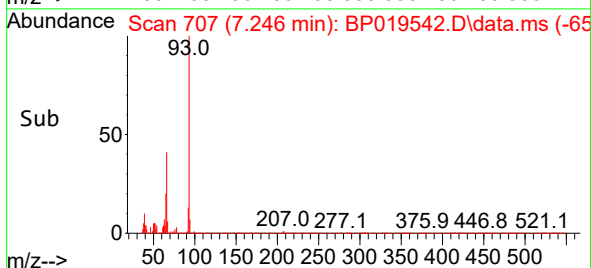
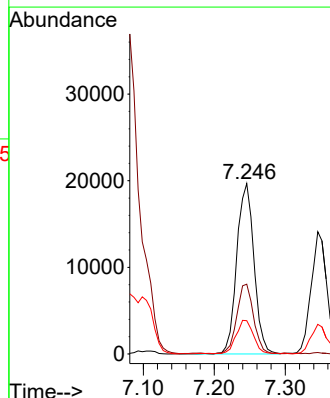
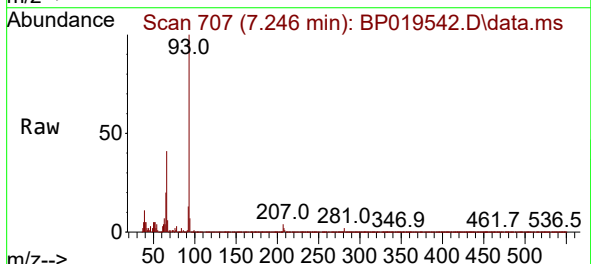
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ClientSampleId :
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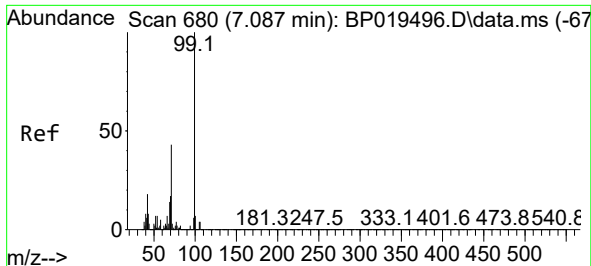
Tgt Ion:112 Resp: 671831
Ion Ratio Lower Upper
112 100
64 59.6 47.4 71.0
63 35.0 27.0 40.6



#6
Aniline
Concen: 4.752 ng
RT: 7.246 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 93 Resp: 33250
Ion Ratio Lower Upper
93 100
66 40.9 32.3 48.5
65 19.5 16.4 24.6

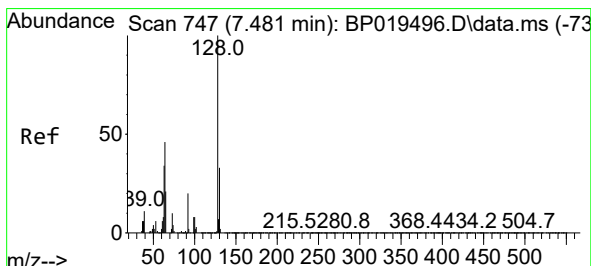
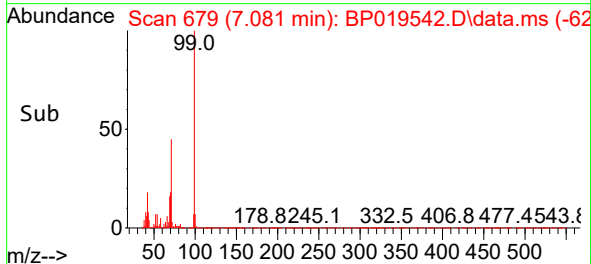
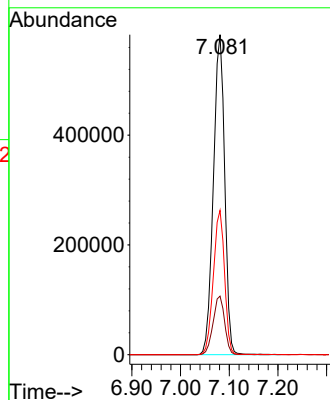
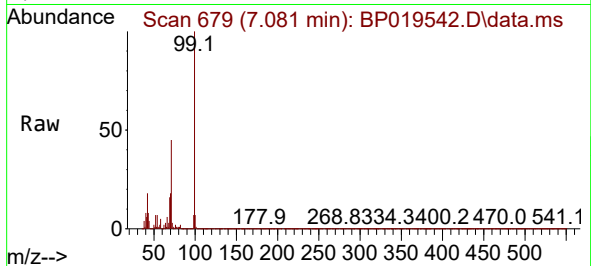




#7
Phenol-d6
Concen: 129.822 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

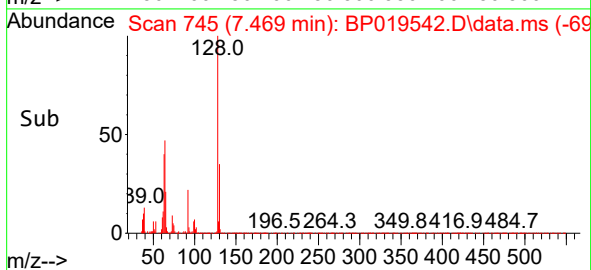
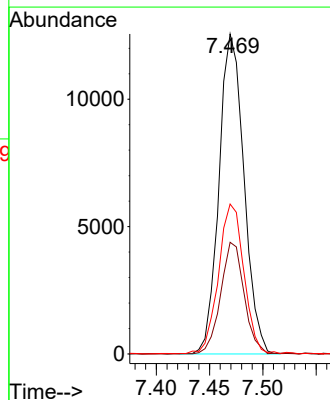
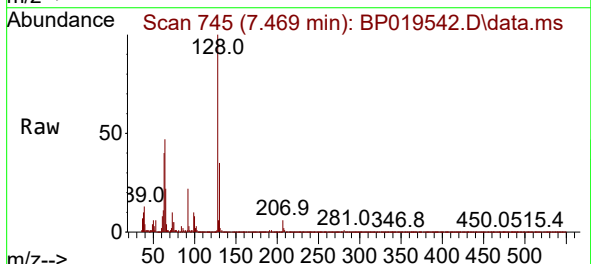
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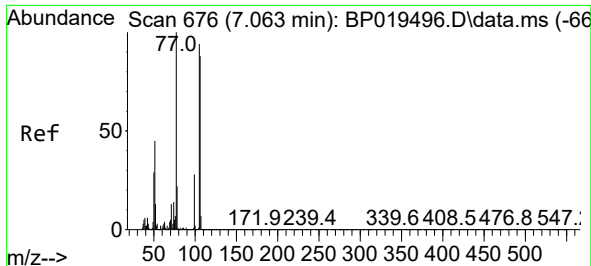
Tgt Ion: 99 Resp: 934821
Ion Ratio Lower Upper
99 100
42 18.3 14.7 22.1
71 45.1 34.8 52.2



#8
2-Chlorophenol
Concen: 3.732 ng
RT: 7.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:128 Resp: 20461
Ion Ratio Lower Upper
128 100
130 34.9 13.3 53.3
64 46.8 29.7 69.7

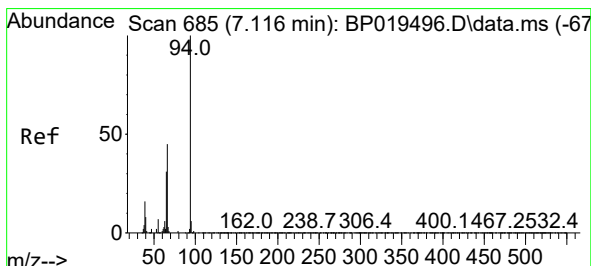
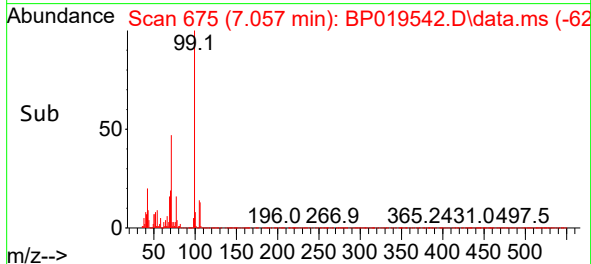
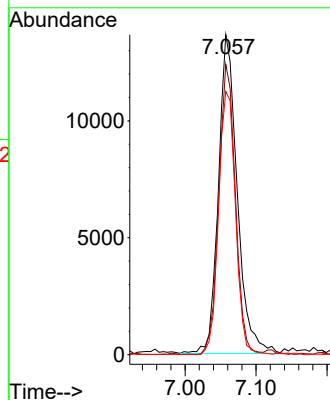
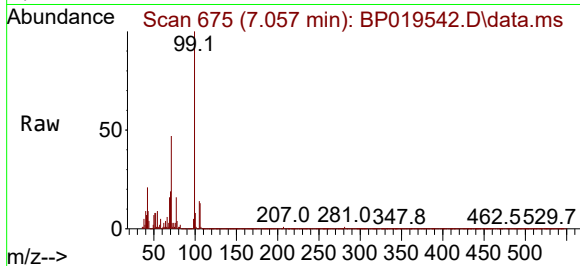




#9
Benzaldehyde
Concen: 4.958 ng
RT: 7.057 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

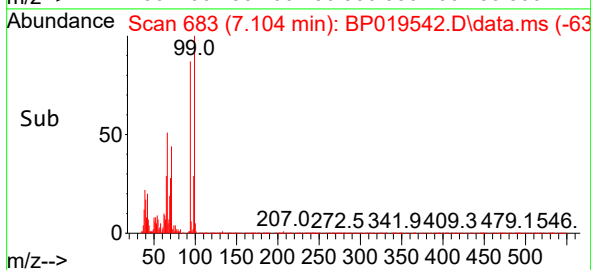
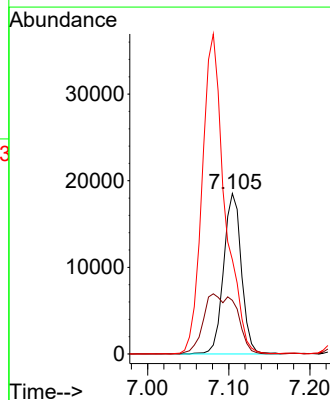
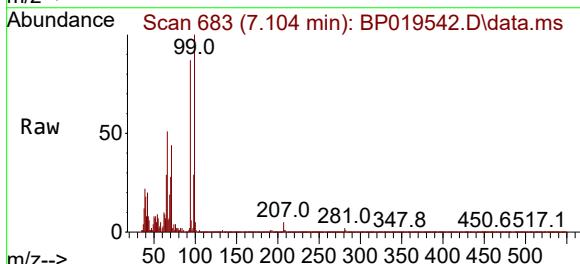
Instrument :
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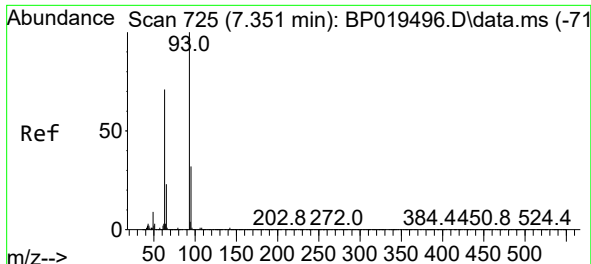
Tgt Ion: 77 Resp: 25030
Ion Ratio Lower Upper
77 100
105 90.7 74.0 114.0
106 82.2 67.8 107.8



#10
Phenol
Concen: 3.927 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 94 Resp: 28182
Ion Ratio Lower Upper
94 100
65 33.4 11.3 51.3
66 58.8 25.1 65.1

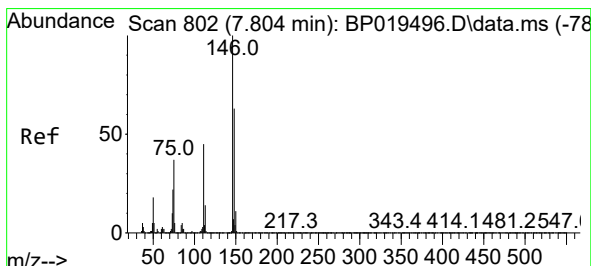
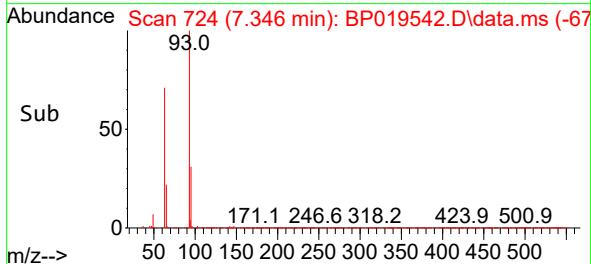
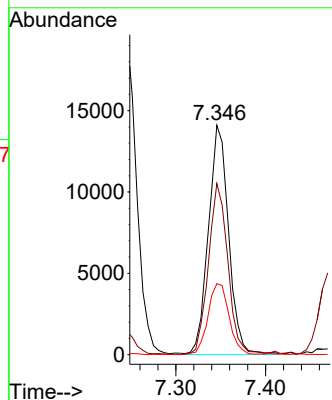
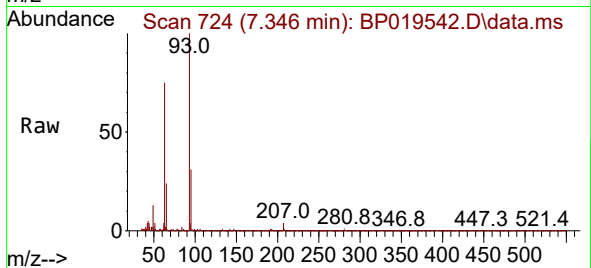




#11
bis(2-Chloroethyl)ether
Concen: 3.944 ng
RT: 7.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

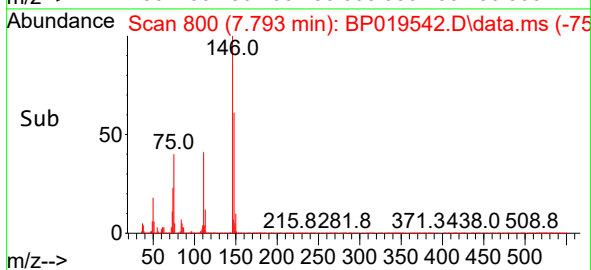
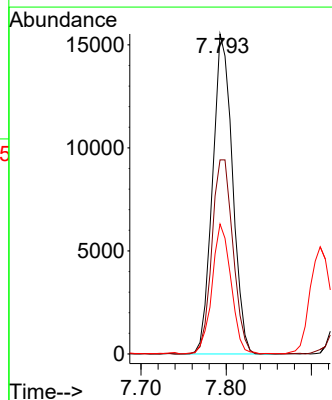
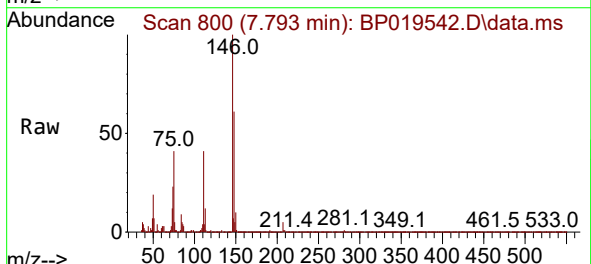
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

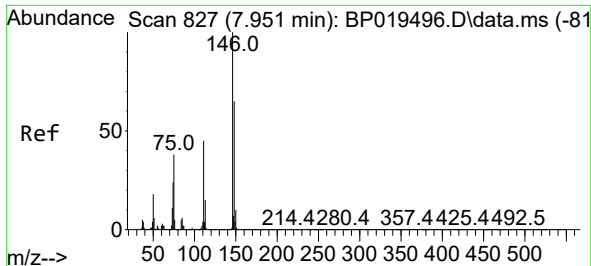
Tgt Ion: 93 Resp: 22022
Ion Ratio Lower Upper
93 100
63 74.6 51.2 91.2
95 31.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 3.763 ng
RT: 7.793 min Scan# 800
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:146 Resp: 25243
Ion Ratio Lower Upper
146 100
148 60.7 50.4 75.6
75 40.6 29.9 44.9

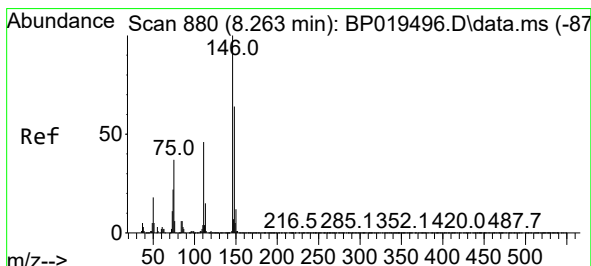
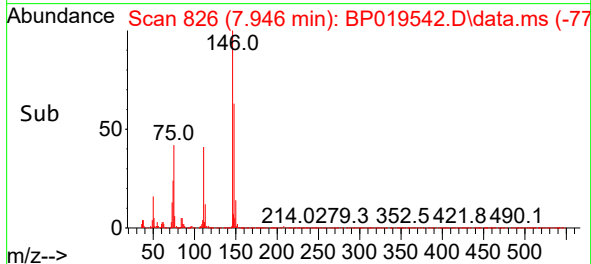
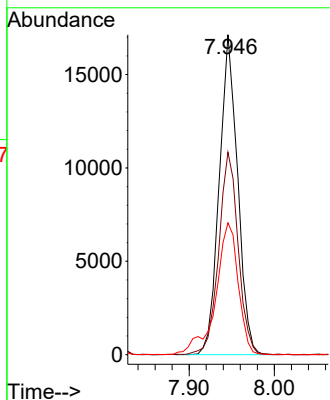
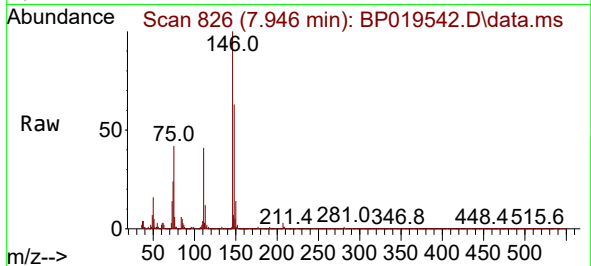




#13
1,4-Dichlorobenzene
Concen: 3.783 ng
RT: 7.946 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

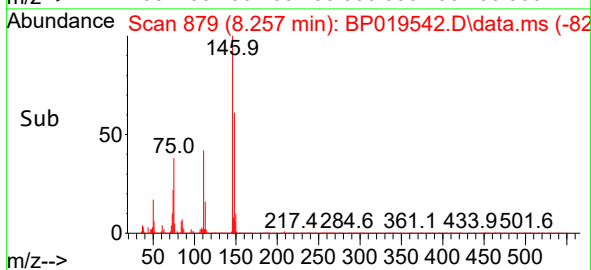
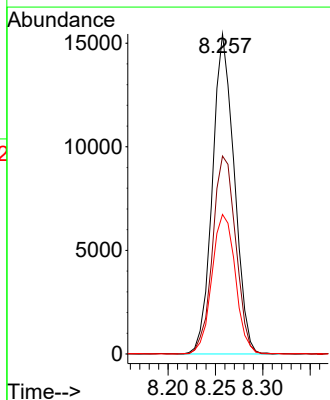
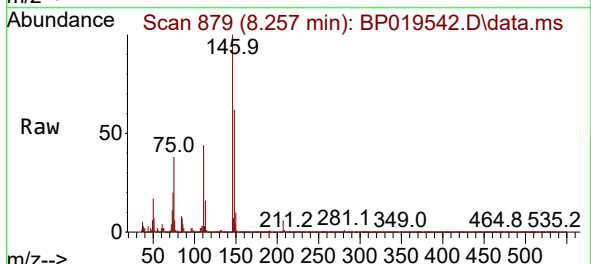
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

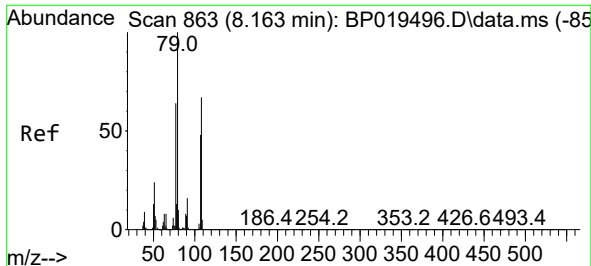
Tgt Ion:	146	Resp:	25710
Ion Ratio	Lower	Upper	
146	100		
148	63.3	51.9	77.9
111	41.2	35.8	53.6



#14
1,2-Dichlorobenzene
Concen: 3.773 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:	146	Resp:	24813
Ion Ratio	Lower	Upper	
146	100		
148	61.9	51.4	77.0
111	43.6	37.0	55.6

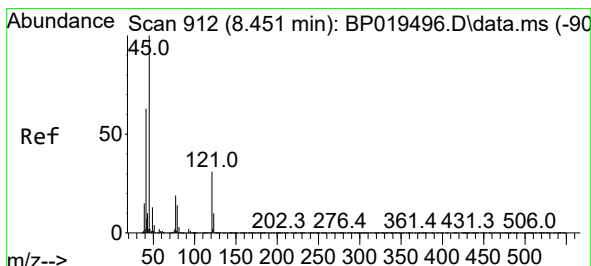
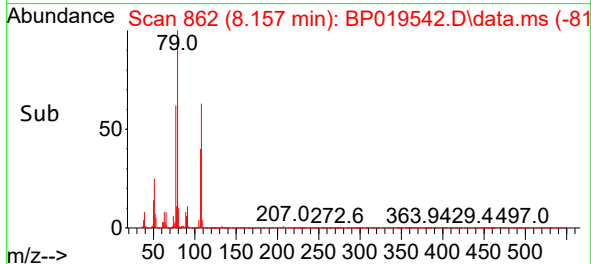
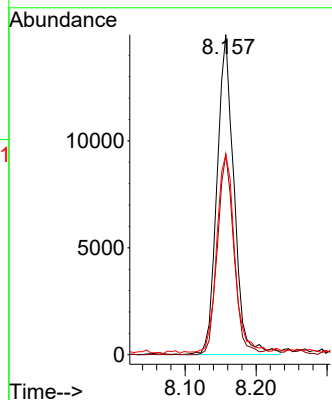
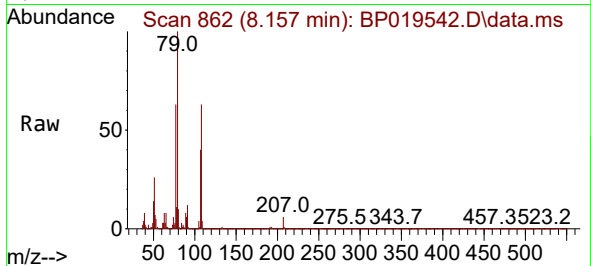




#15
Benzyl Alcohol
Concen: 4.323 ng
RT: 8.157 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

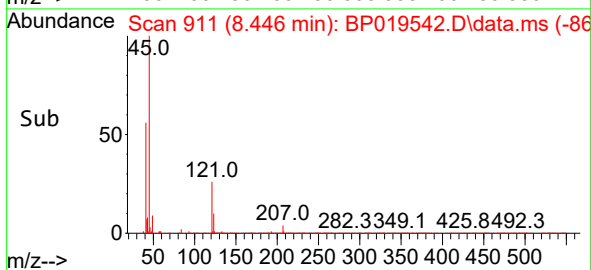
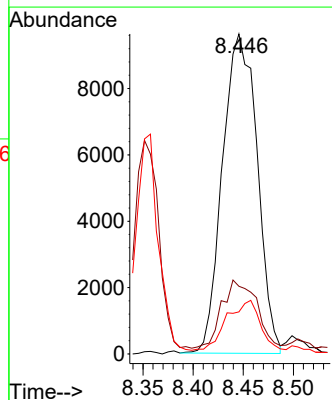
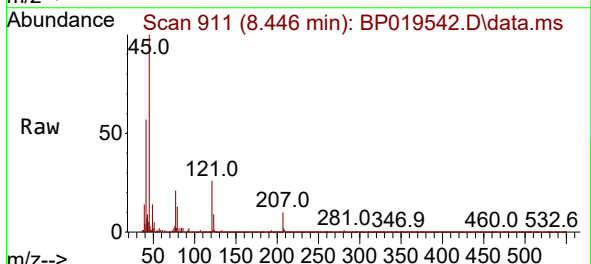
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

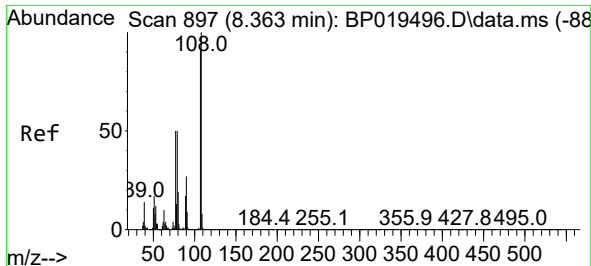
Tgt Ion: 79 Resp: 24871
Ion Ratio Lower Upper
79 100
108 62.6 53.8 80.6
77 62.5 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.143 ng
RT: 8.446 min Scan# 911
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 45 Resp: 23134
Ion Ratio Lower Upper
45 100
77 21.1 0.8 40.8
79 13.2 0.0 35.5

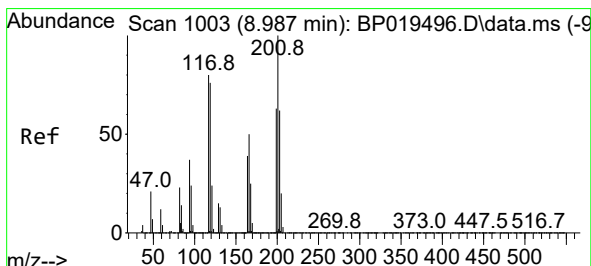
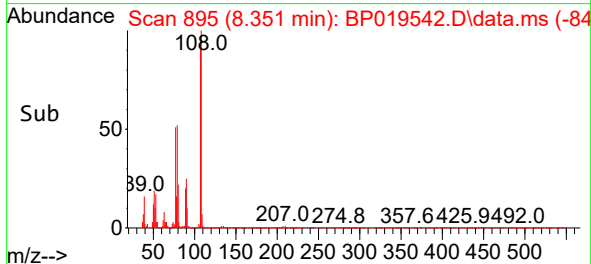
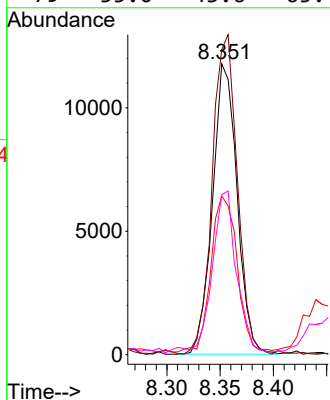
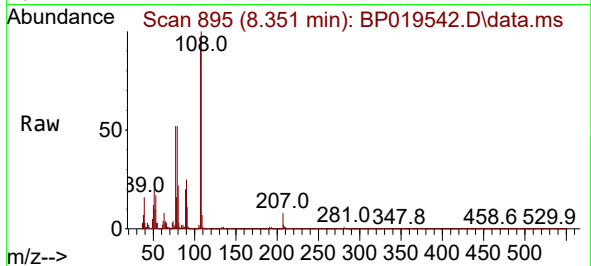




#17
2-Methylphenol
Concen: 3.905 ng
RT: 8.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

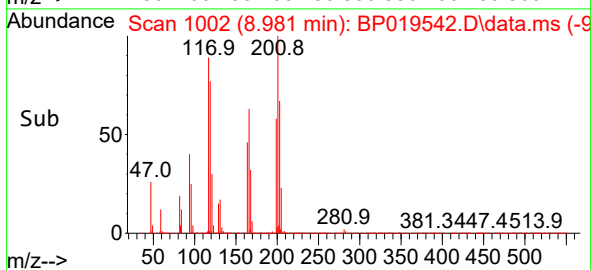
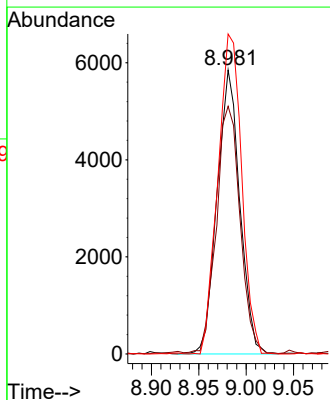
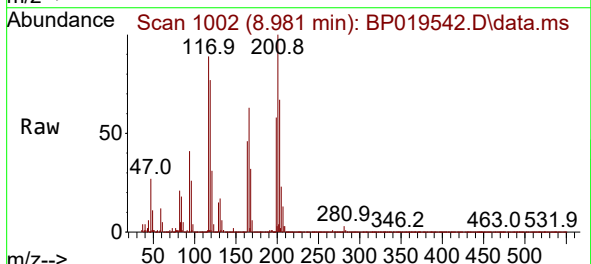
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

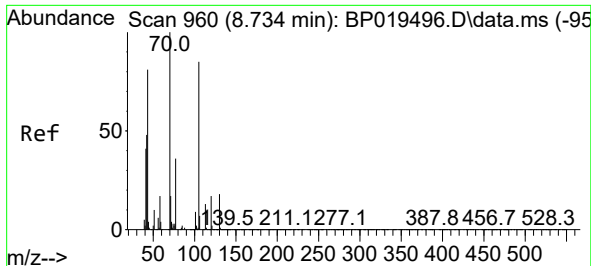
Tgt Ion:	107	Resp:	18869
Ion	Ratio	Lower	Upper
107	100		
108	104.9	87.0	130.6
77	54.6	43.5	65.3
79	55.0	43.6	65.4



#18
Hexachloroethane
Concen: 3.708 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:	117	Resp:	9768
Ion	Ratio	Lower	Upper
117	100		
119	87.2	75.5	113.3
201	112.7	99.4	149.2

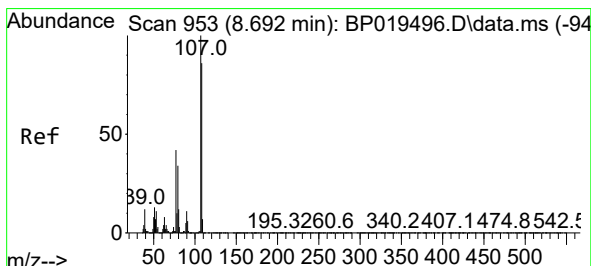
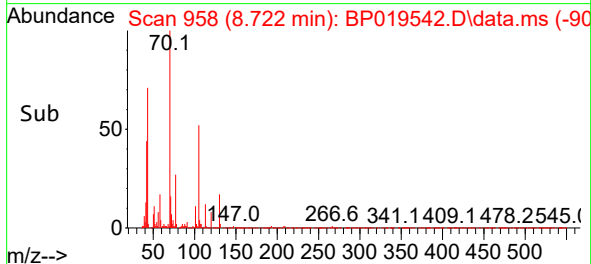
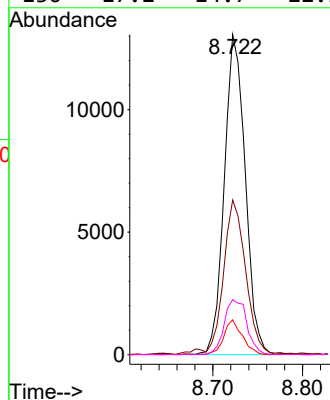
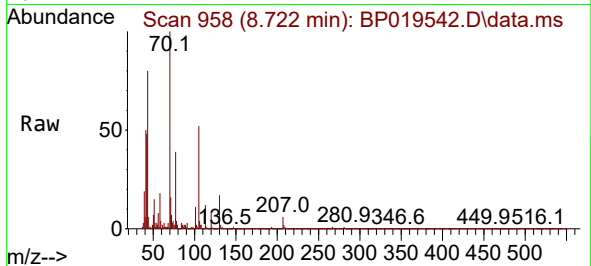




#19
n-Nitroso-di-n-propylamine
Concen: 4.315 ng
RT: 8.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

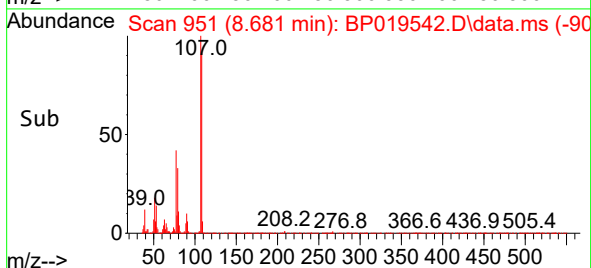
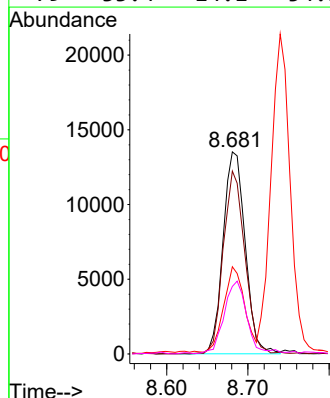
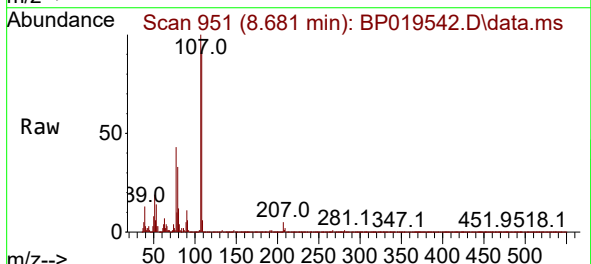
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

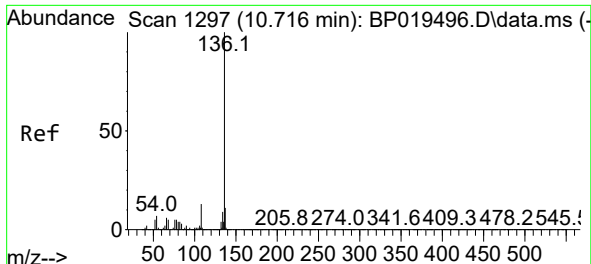
Tgt Ion: 70	Resp: 21222
Ion Ratio	Lower Upper
70 100	
42 48.4	39.2 58.8
101 10.9	7.3 10.9
130 17.2	14.7 22.1



#20
3+4-Methylphenols
Concen: 3.875 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt	Ion:107	Resp:	25552
Ion	Ratio	Lower	Upper
107	100		
108	90.5	65.5	105.5
77	43.2	21.8	61.8
79	33.4	14.1	54.1

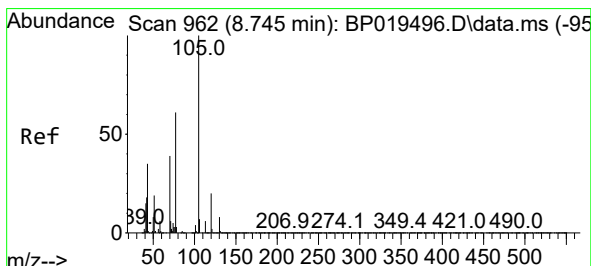
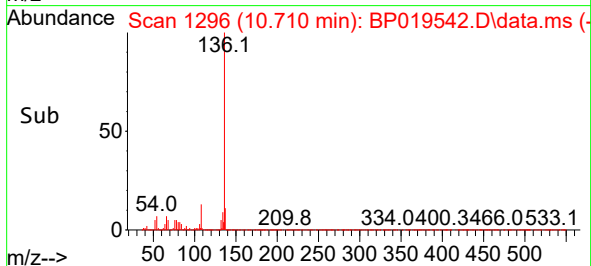
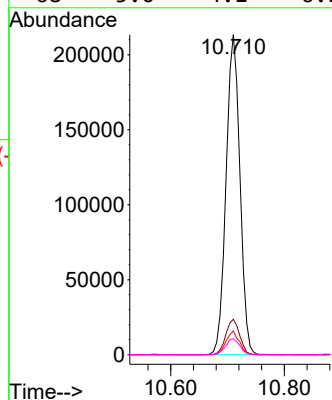
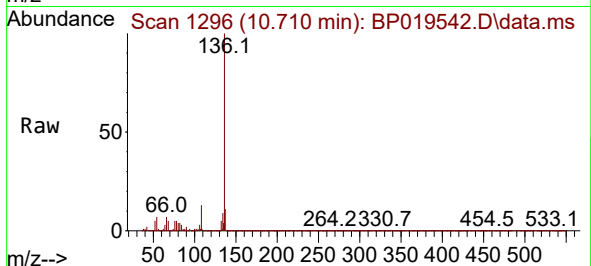




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

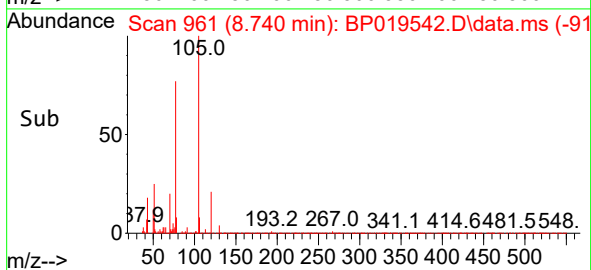
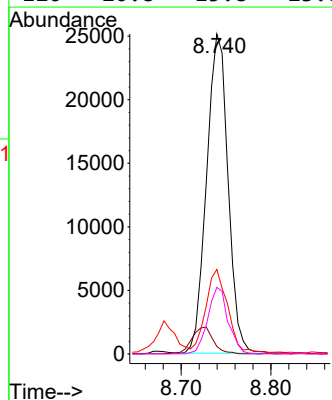
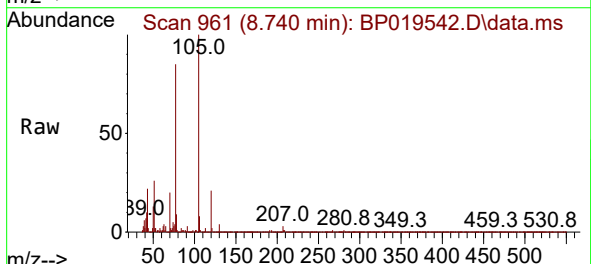
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

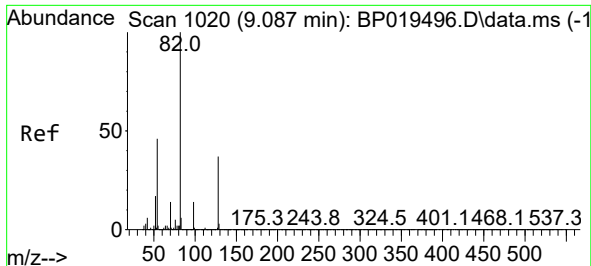
Tgt Ion:	136	Resp:	362097
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.4	5.3	7.9
68	5.0	4.1	6.1



#22
Acetophenone
Concen: 4.041 ng
RT: 8.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:	105	Resp:	41684
Ion	Ratio	Lower	Upper
105	100		
71	2.4	4.9	7.3
51	26.4	20.7	31.1
120	20.8	15.8	23.8

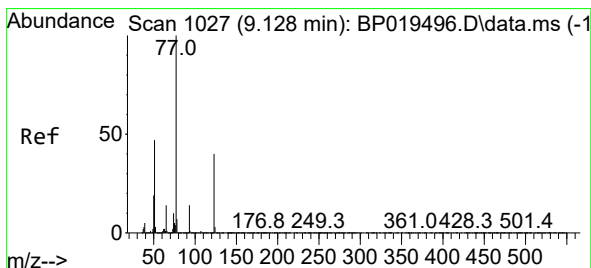
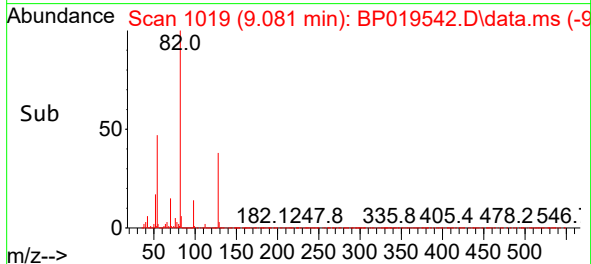
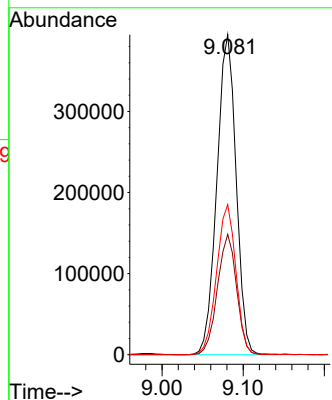
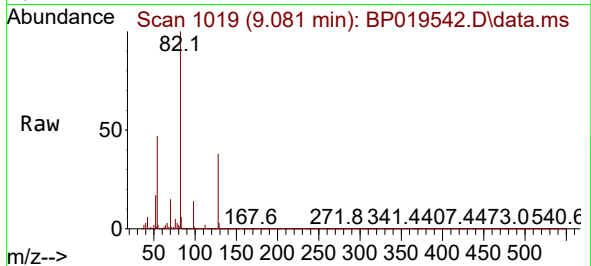




#23
Nitrobenzene-d5
Concen: 77.887 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

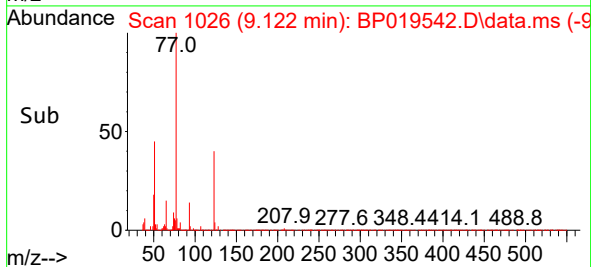
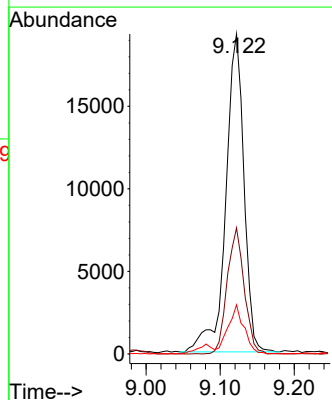
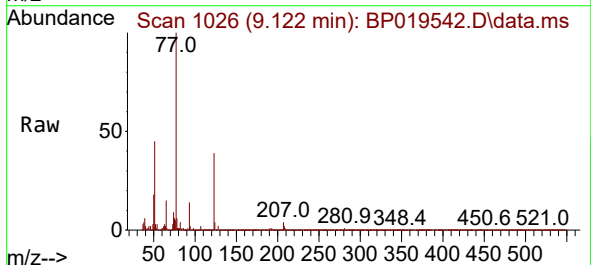
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

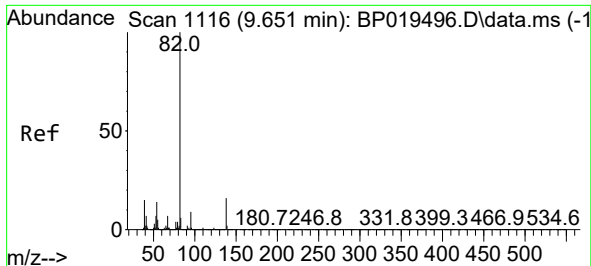
Tgt Ion: 82 Resp: 650856
Ion Ratio Lower Upper
82 100
128 37.6 29.7 44.5
54 46.9 36.8 55.2



#24
Nitrobenzene
Concen: 3.897 ng
RT: 9.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 77 Resp: 32792
Ion Ratio Lower Upper
77 100
123 39.4 32.3 48.5
65 15.3 11.6 17.4

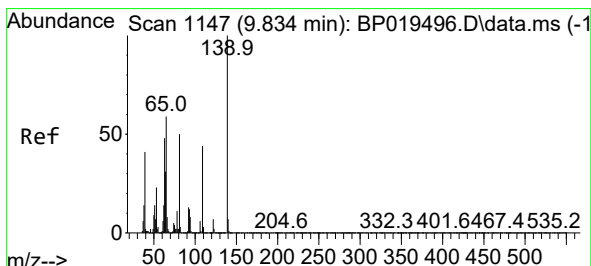
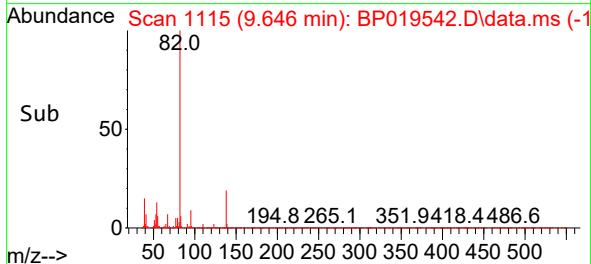
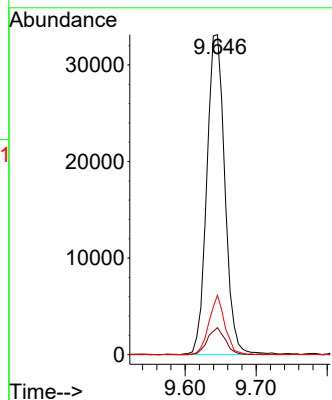
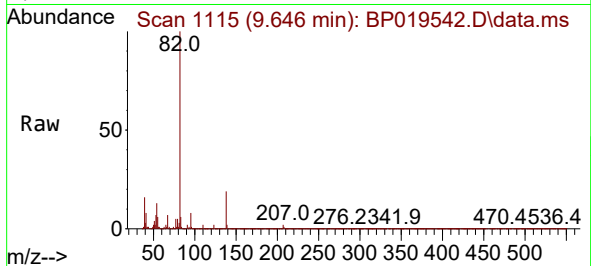




#25
Isophorone
Concen: 4.024 ng
RT: 9.646 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

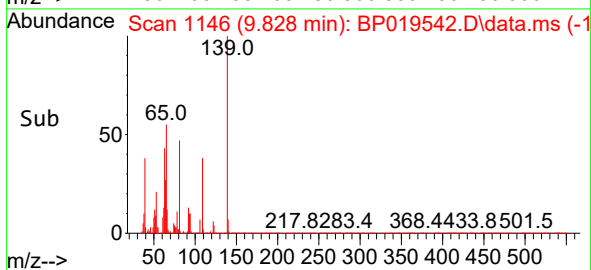
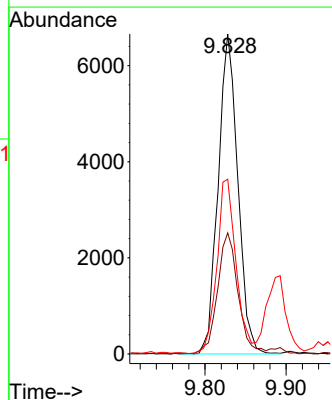
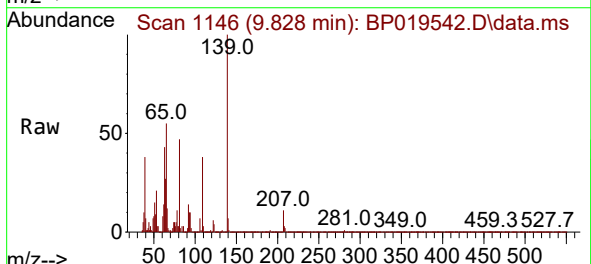
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

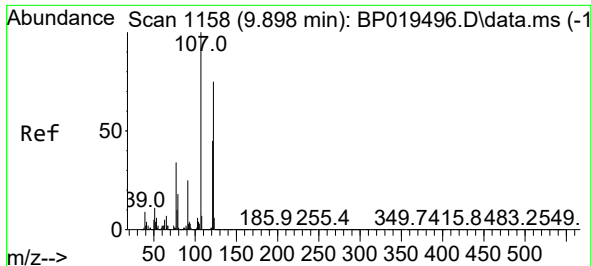
Tgt Ion: 82 Resp: 58561
Ion Ratio Lower Upper
82 100
95 8.5 7.0 10.4
138 18.6 13.1 19.7



#26
2-Nitrophenol
Concen: 3.492 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:139 Resp: 11202
Ion Ratio Lower Upper
139 100
109 37.9 34.9 52.3
65 54.6 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 4.404 ng

RT: 9.887 min Scan# 1156

Delta R.T. -0.012 min

Lab File: BP019542.D

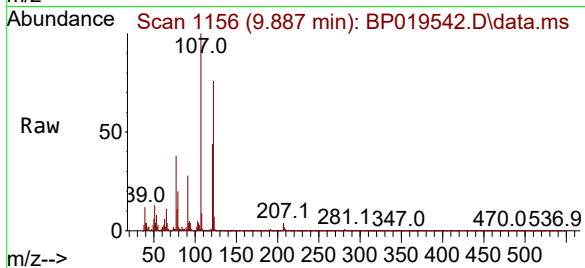
Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

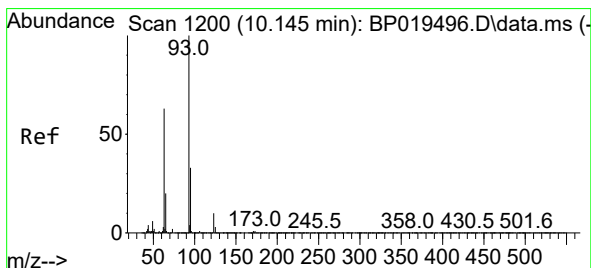
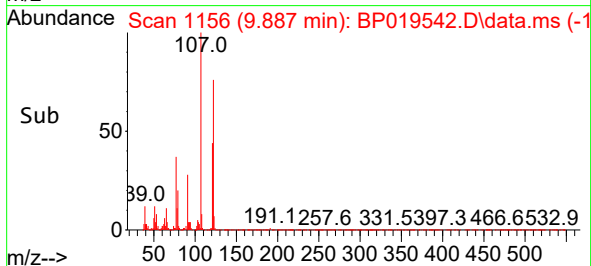
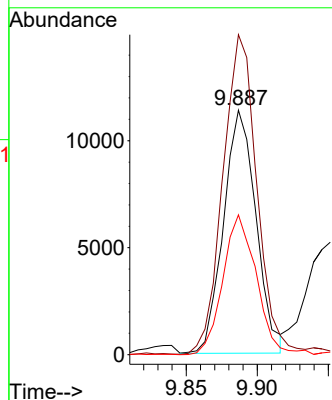
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023



Tgt Ion:122 Resp: 18065

Ion	Ratio	Lower	Upper
122	100		
107	130.9	105.9	158.9
121	57.2	47.5	71.3



#28

bis(2-Chloroethoxy)methane

Concen: 3.888 ng

RT: 10.134 min Scan# 1198

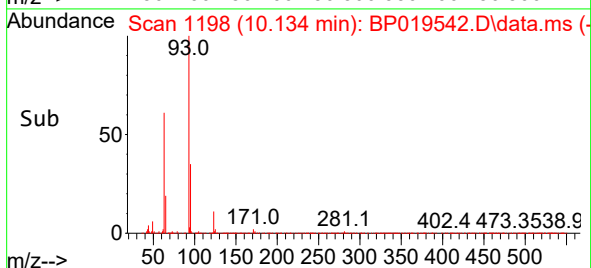
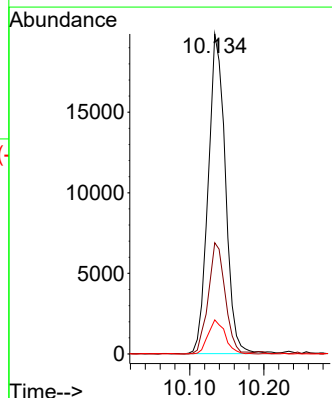
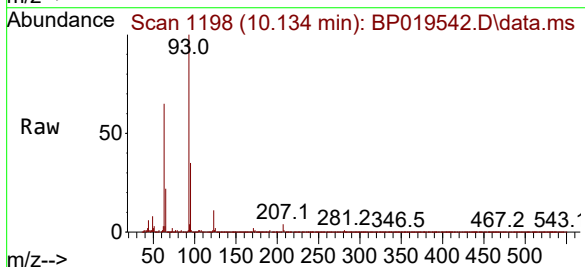
Delta R.T. -0.012 min

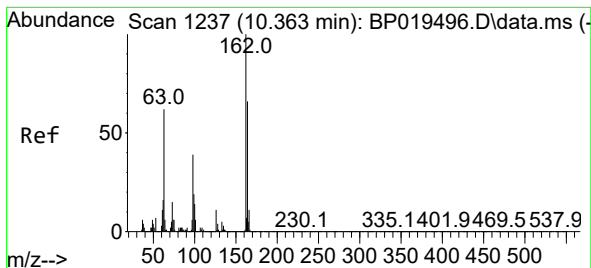
Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion: 93 Resp: 32013

Ion	Ratio	Lower	Upper
93	100		
95	34.7	26.2	39.4
123	10.6	8.5	12.7





#29

2,4-Dichlorophenol

Concen: 3.766 ng

RT: 10.357 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

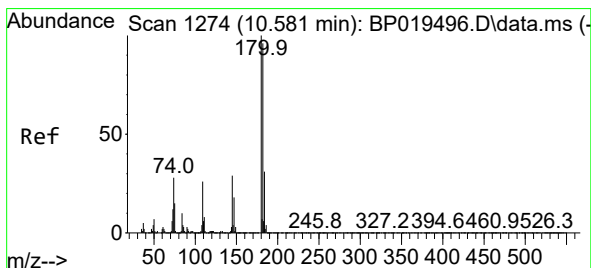
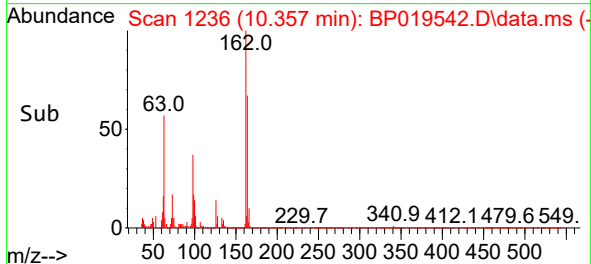
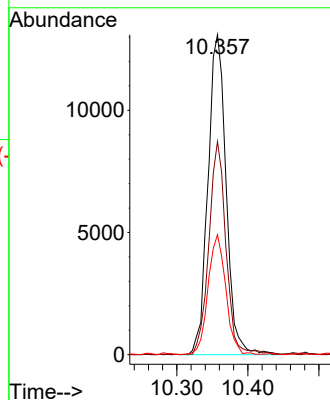
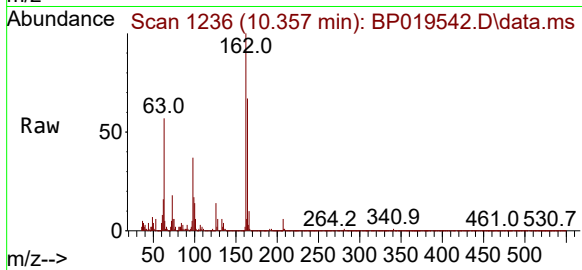
Tgt Ion:162 Resp: 23351

Ion Ratio Lower Upper

162 100

164 66.6 46.0 86.0

98 37.5 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 3.683 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

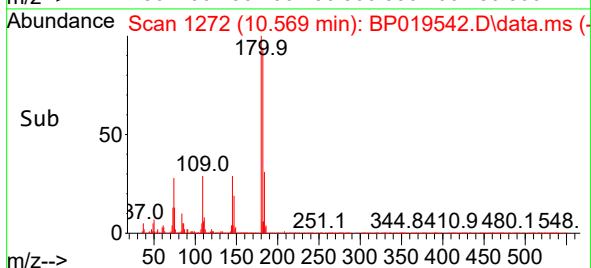
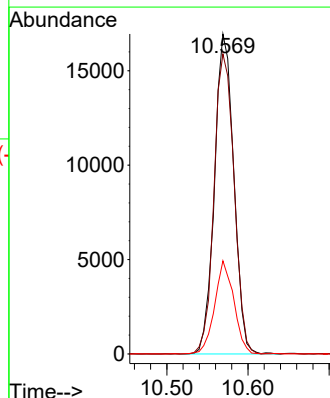
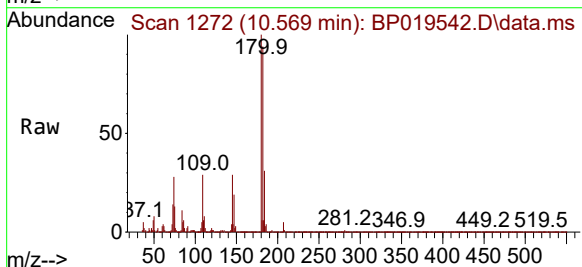
Tgt Ion:180 Resp: 28000

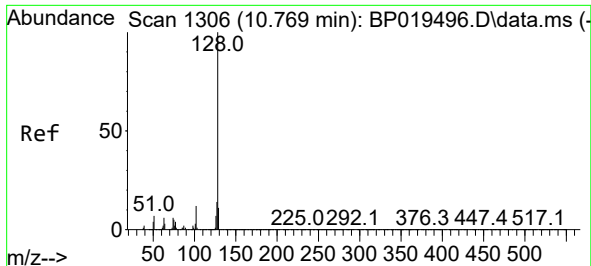
Ion Ratio Lower Upper

180 100

182 93.8 77.0 115.6

145 29.1 23.2 34.8

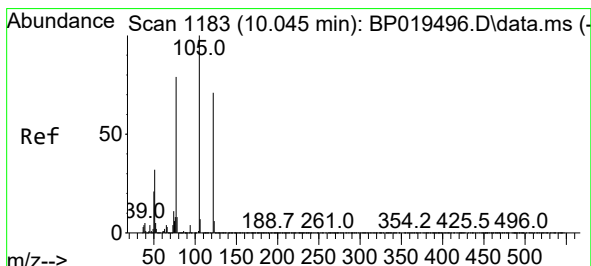
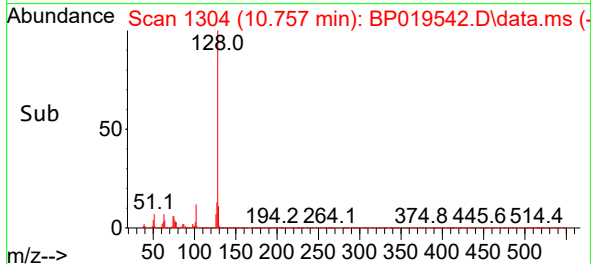
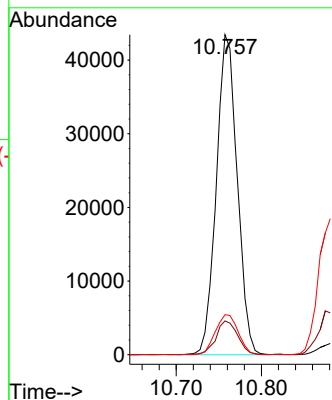
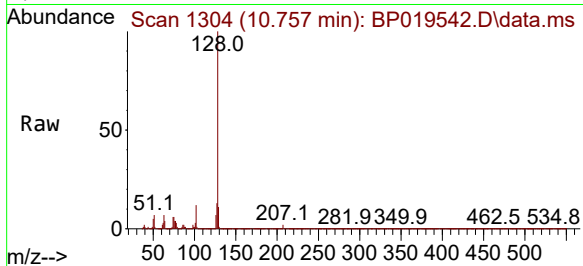




#31
Naphthalene
Concen: 3.733 ng
RT: 10.757 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

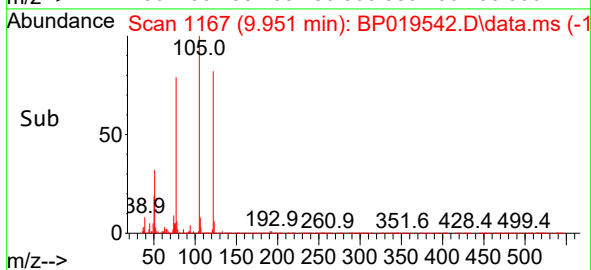
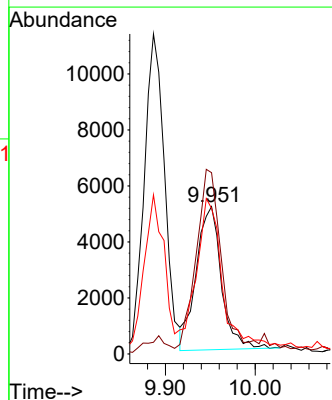
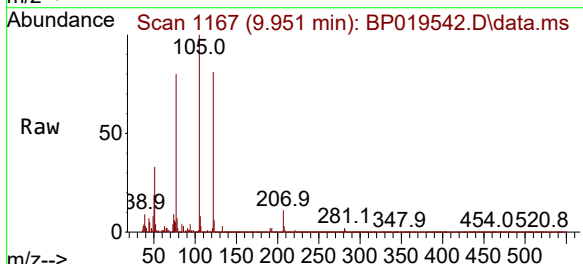
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023

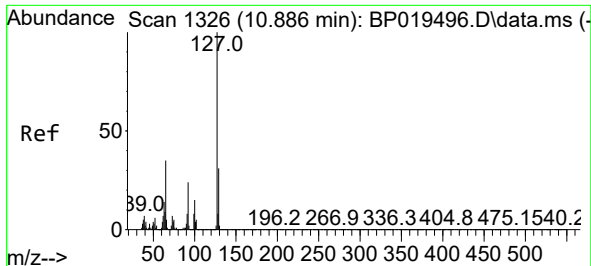
Tgt Ion:128 Resp: 74132
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 2.492 ng
RT: 9.951 min Scan# 1167
Delta R.T. -0.094 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:122 Resp: 9960
Ion Ratio Lower Upper
122 100
105 123.0 118.8 158.8
77 98.8 91.7 131.7

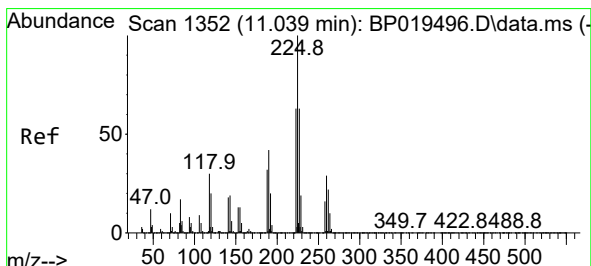
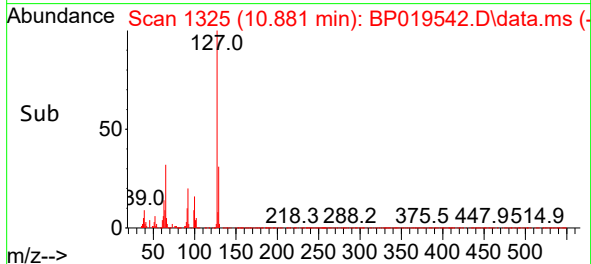
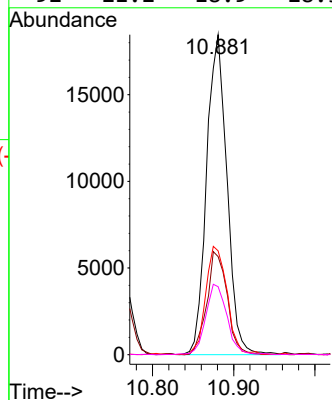
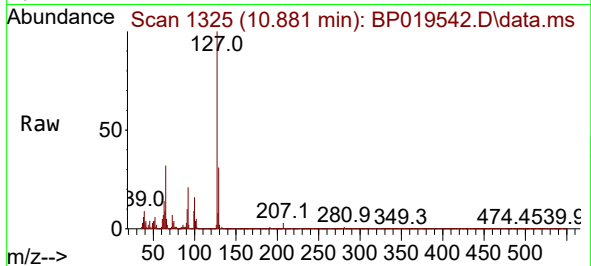




#33
4-Chloroaniline
Concen: 4.389 ng
RT: 10.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

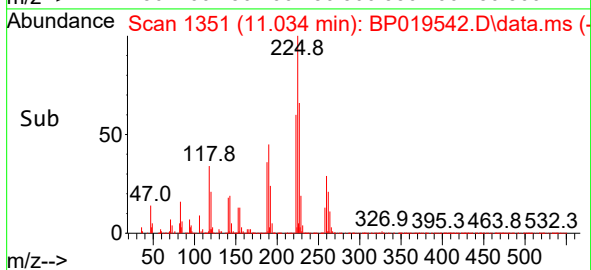
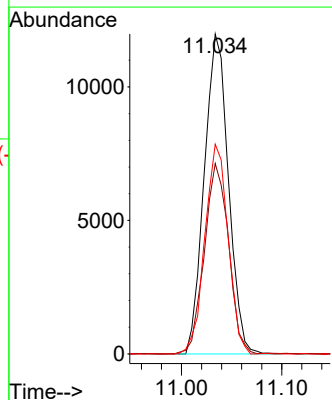
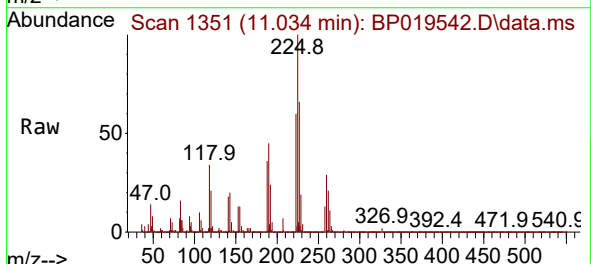
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

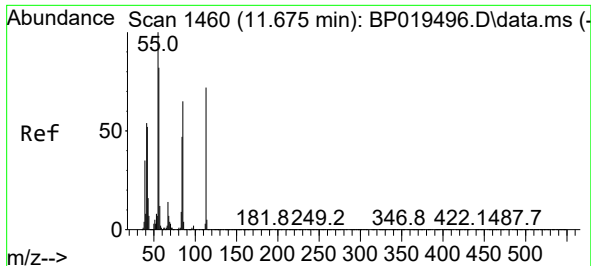
Tgt Ion:	127	Resp:	32231
Ion	Ratio	Lower	Upper
127	100		
129	30.7	24.6	36.8
65	32.5	28.2	42.4
92	21.2	18.9	28.3



#34
Hexachlorobutadiene
Concen: 3.562 ng
RT: 11.034 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:	225	Resp:	20068
Ion	Ratio	Lower	Upper
225	100		
223	59.5	50.5	75.7
227	65.5	50.2	75.2

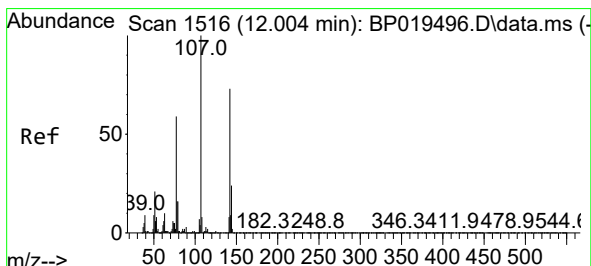
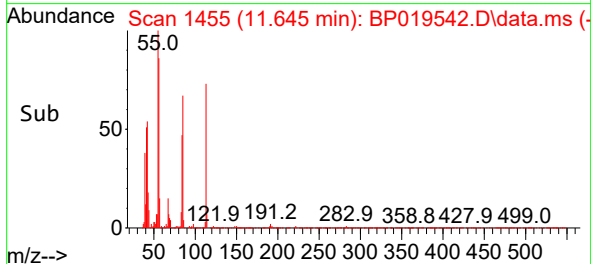
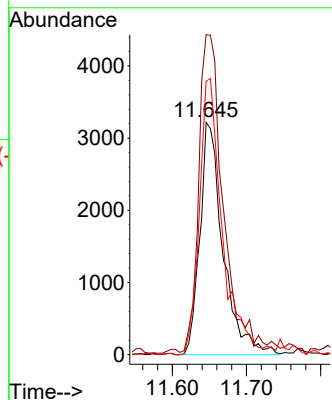
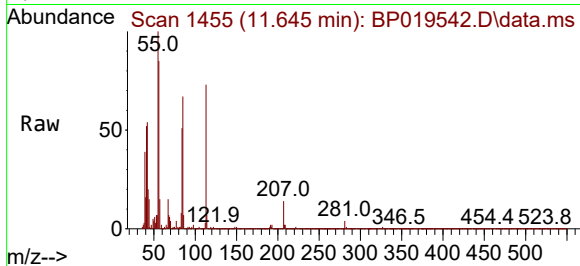




#35
Caprolactam
Concen: 3.977 ng
RT: 11.645 min Scan# 1460
Delta R.T. -0.029 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

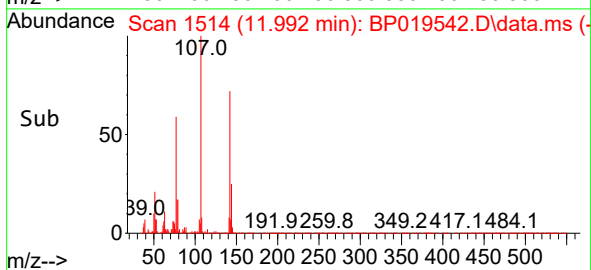
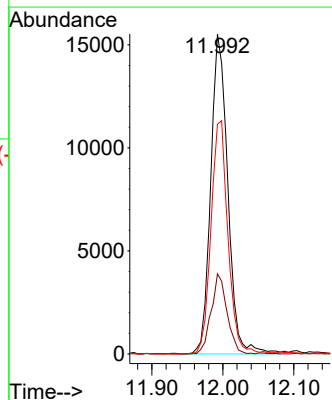
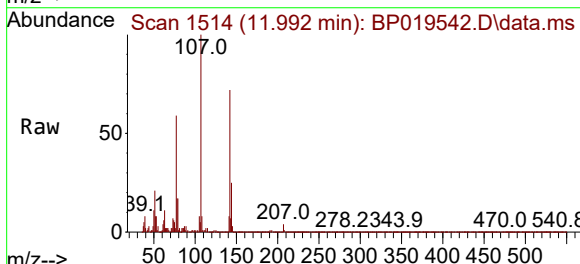
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

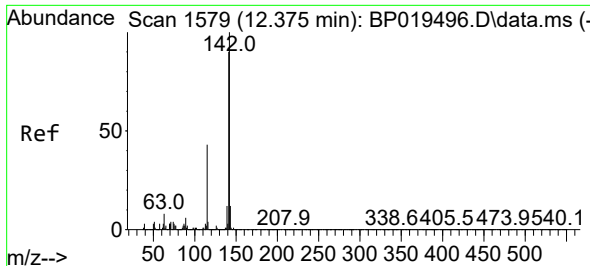
Tgt Ion:113 Resp: 6981
Ion Ratio Lower Upper
113 100
55 137.7 120.0 160.0
56 117.6 94.0 134.0



#36
4-Chloro-3-methylphenol
Concen: 3.828 ng
RT: 11.992 min Scan# 1514
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:107 Resp: 25881
Ion Ratio Lower Upper
107 100
144 25.0 19.0 28.4
142 71.8 58.6 88.0

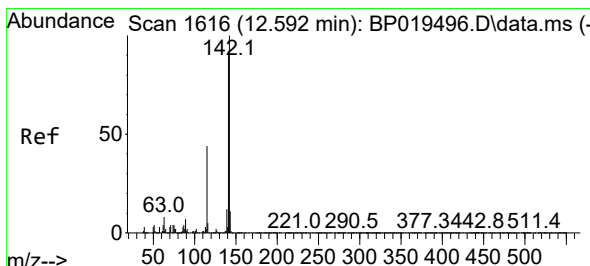
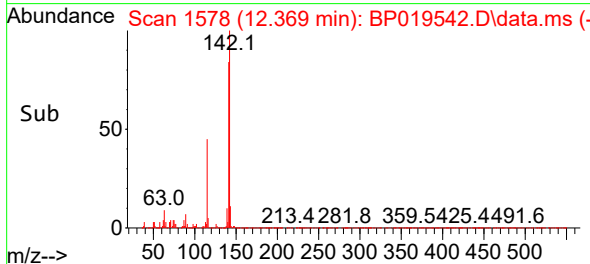
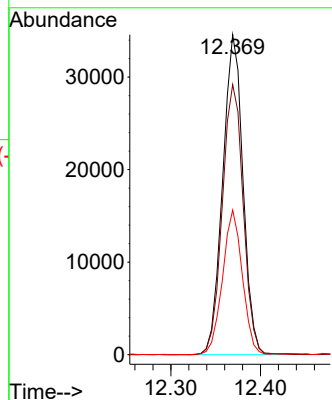
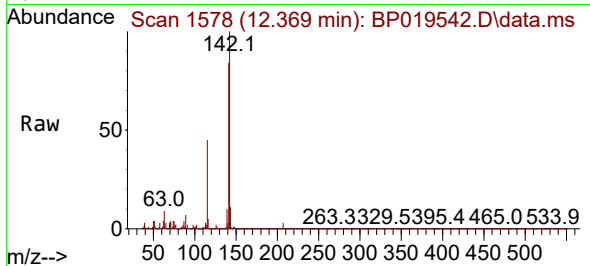




#37
2-Methylnaphthalene
Concen: 3.947 ng
RT: 12.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

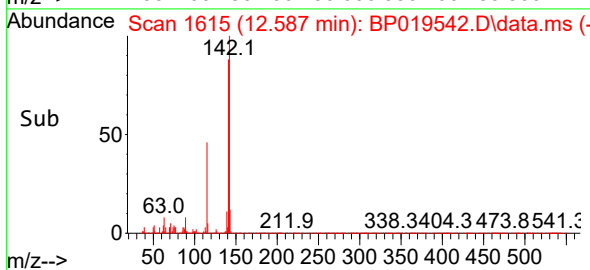
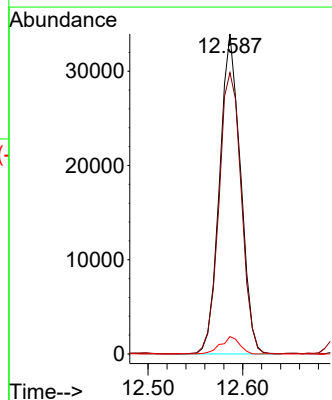
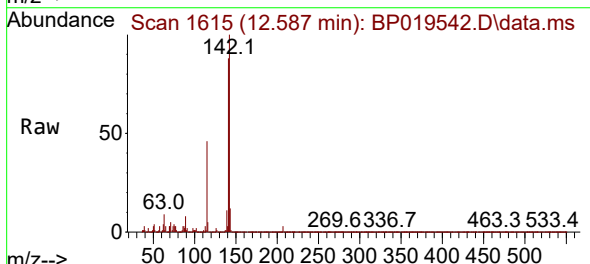
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

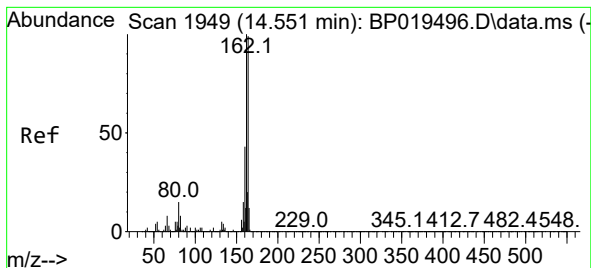
Tgt Ion:142 Resp: 54243
Ion Ratio Lower Upper
142 100
141 84.4 72.2 108.4
115 45.2 34.2 51.2



#38
1-Methylnaphthalene
Concen: 3.868 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:142 Resp: 52242
Ion Ratio Lower Upper
142 100
141 87.9 74.0 111.0
116 5.5 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.539 min Scan# 1949

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

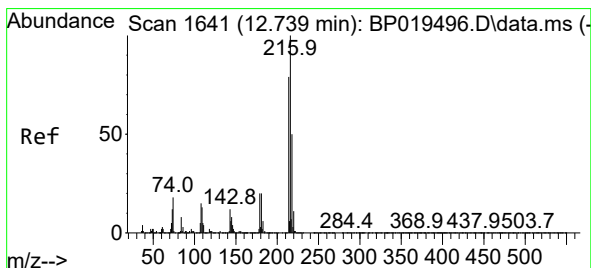
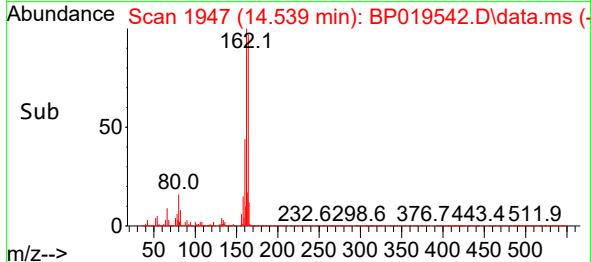
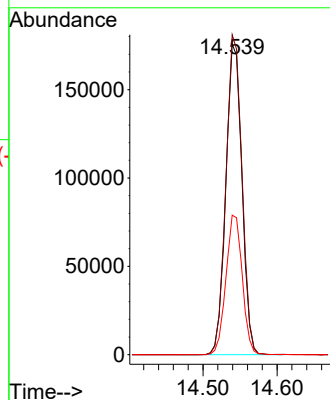
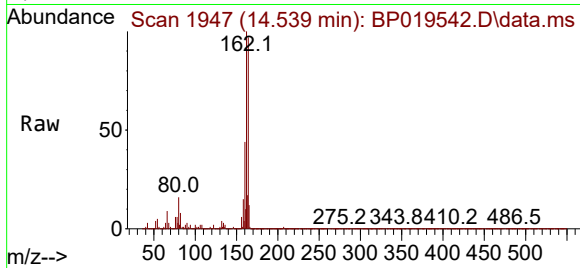
Tgt Ion:164 Resp: 264686

Ion Ratio Lower Upper

164 100

162 103.1 81.2 121.8

160 45.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.706 ng

RT: 12.734 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:216 Resp: 37826

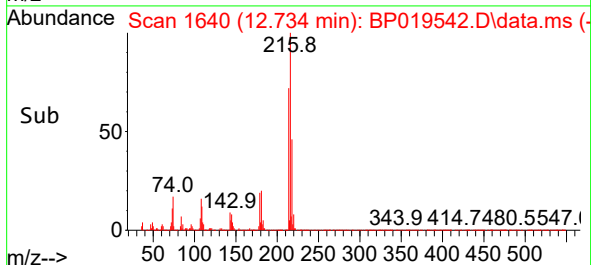
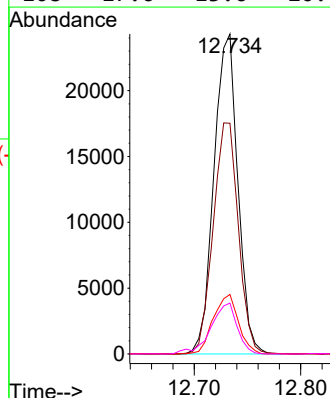
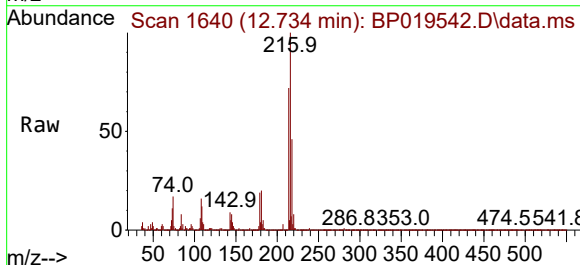
Ion Ratio Lower Upper

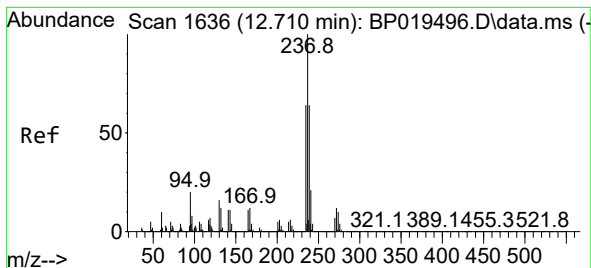
216 100

214 76.1 62.8 94.2

179 19.6 16.6 24.8

108 17.6 13.6 20.4





#41

Hexachlorocyclopentadiene

Concen: 4.156 ng

RT: 12.704 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

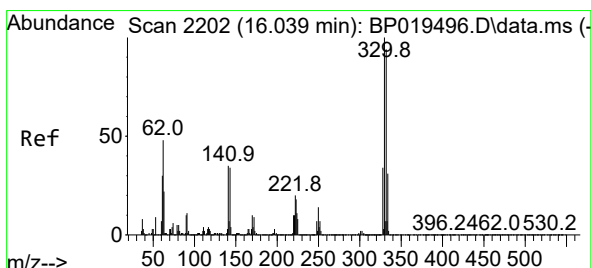
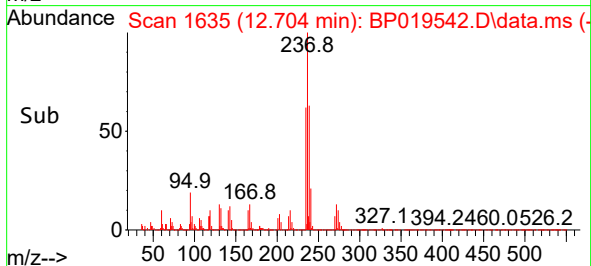
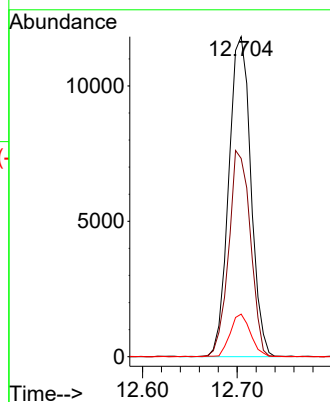
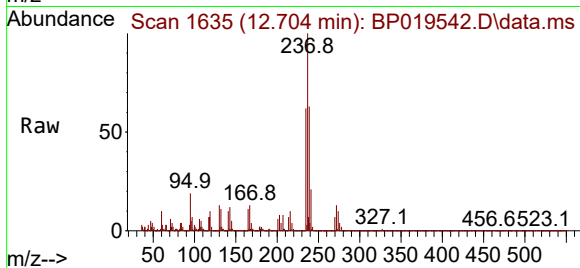
Tgt Ion:237 Resp: 19163

Ion Ratio Lower Upper

237 100

235 62.0 43.7 83.7

272 13.3 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 149.311 ng

RT: 16.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

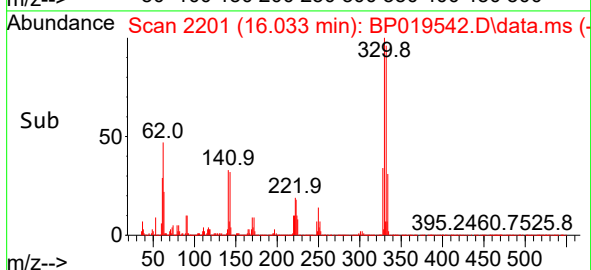
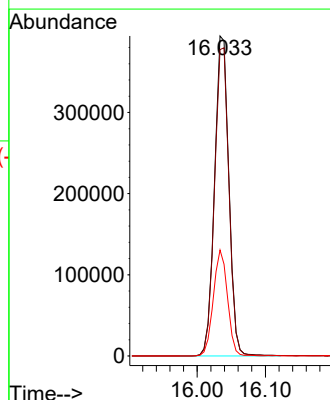
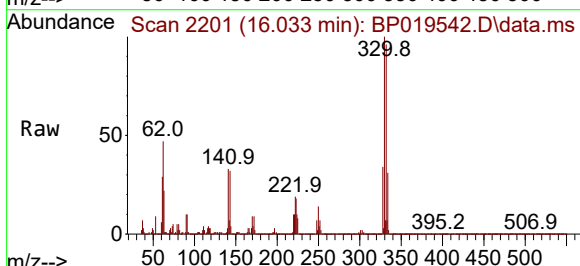
Tgt Ion:330 Resp: 577028

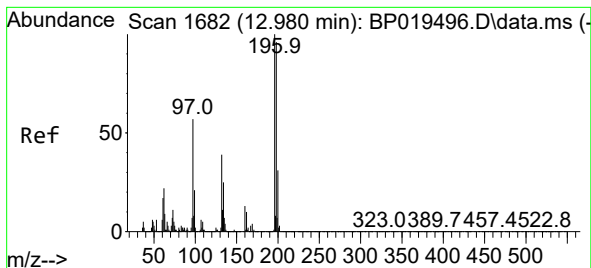
Ion Ratio Lower Upper

330 100

332 97.0 77.2 115.8

141 32.7 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 3.368 ng

RT: 12.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

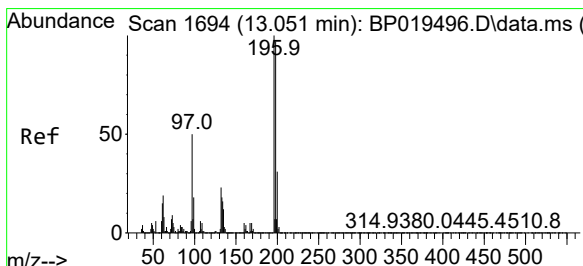
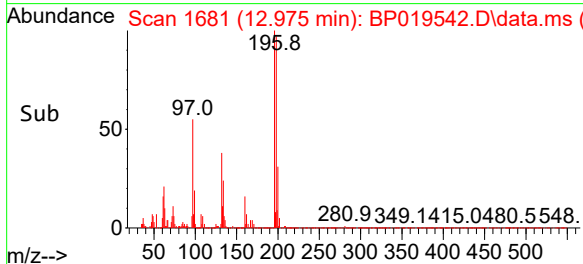
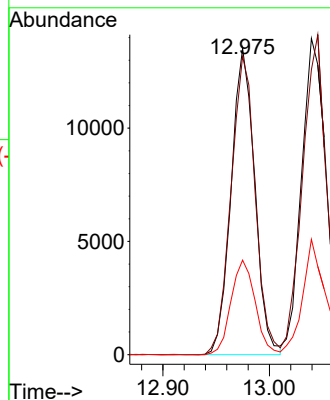
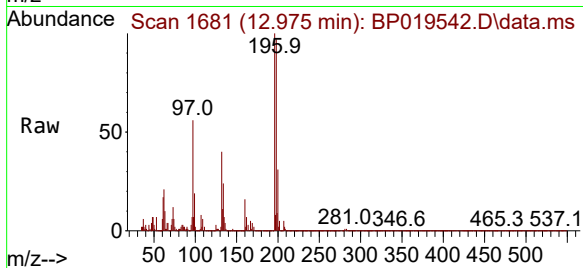
Tgt Ion:196 Resp: 20821

Ion Ratio Lower Upper

196 100

198 97.4 76.7 115.1

200 30.9 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 3.330 ng

RT: 13.039 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:196 Resp: 22602

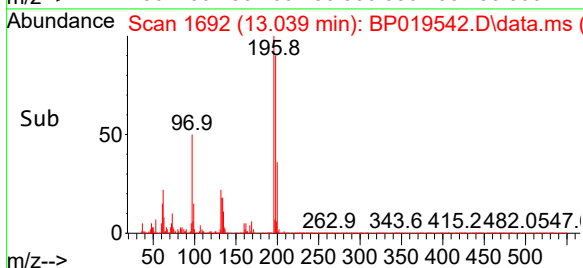
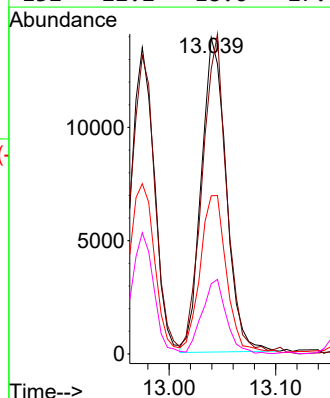
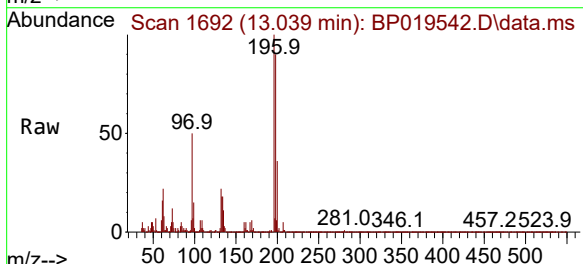
Ion Ratio Lower Upper

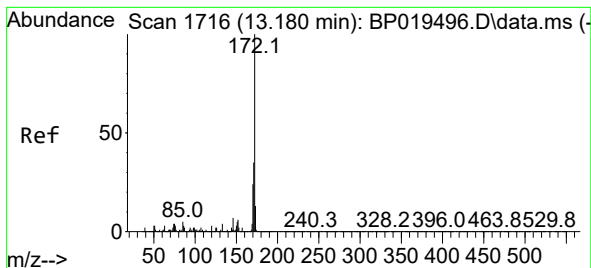
196 100

198 90.1 77.5 116.3

97 50.0 39.9 59.9

132 22.2 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 75.889 ng

RT: 13.175 min Scan# 1715

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

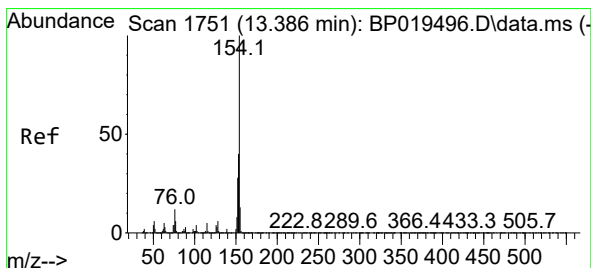
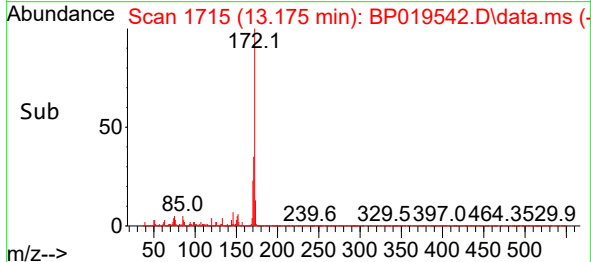
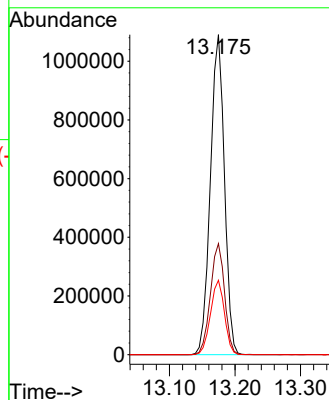
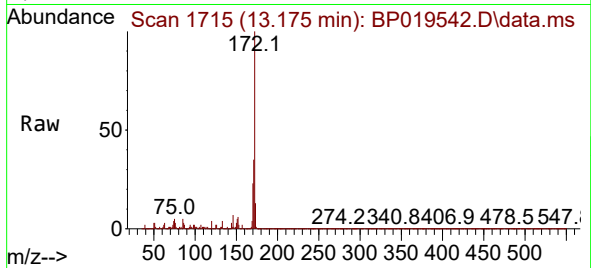
Tgt Ion:172 Resp: 1624847

Ion Ratio Lower Upper

172 100

171 34.7 28.2 42.4

170 23.2 18.9 28.3



#46

1,1'-Biphenyl

Concen: 3.764 ng

RT: 13.381 min Scan# 1750

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

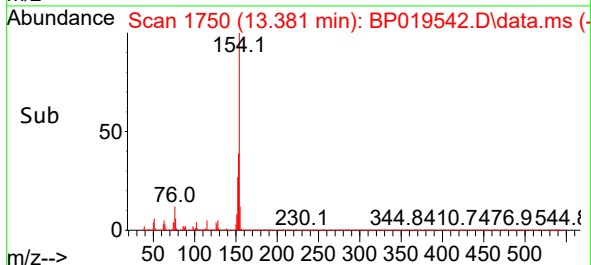
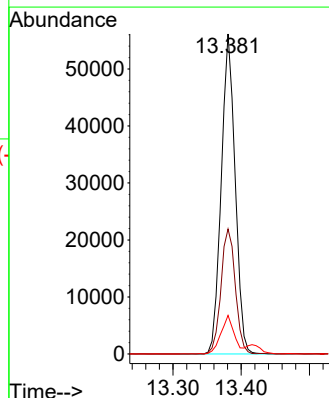
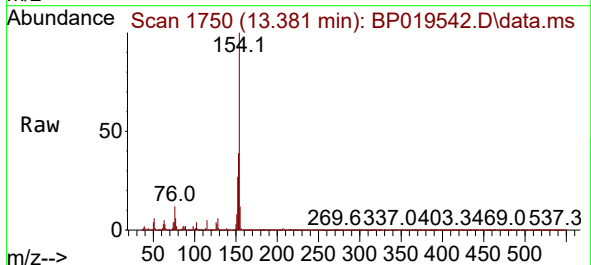
Tgt Ion:154 Resp: 79520

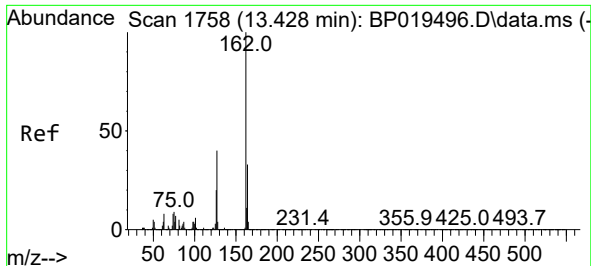
Ion Ratio Lower Upper

154 100

153 39.1 20.2 60.2

76 12.0 0.0 31.6





#47

2-Chloronaphthalene

Concen: 3.564 ng

RT: 13.422 min Scan# 1757

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

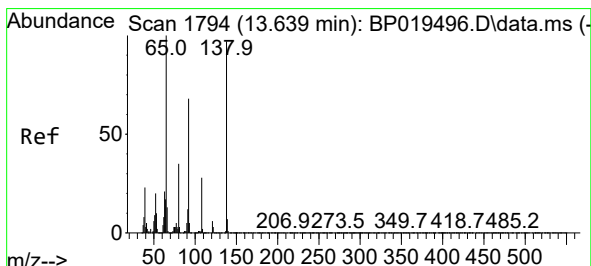
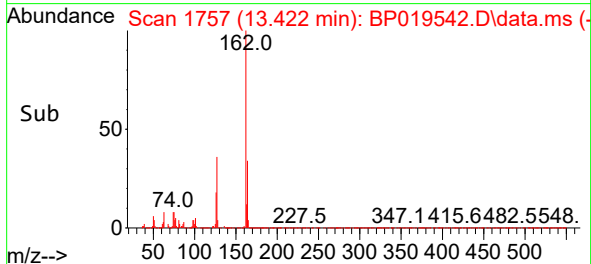
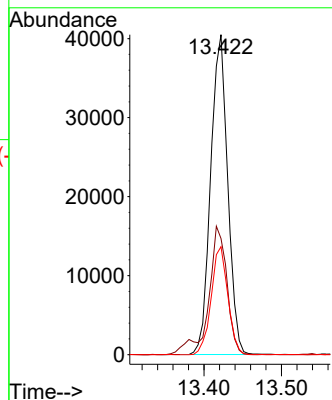
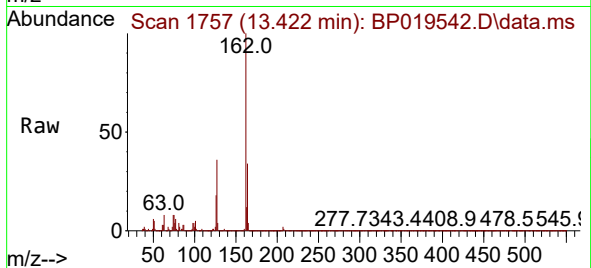
Tgt Ion:162 Resp: 61813

Ion Ratio Lower Upper

162 100

127 36.3 32.1 48.1

164 33.8 26.7 40.1



#48

2-Nitroaniline

Concen: 3.301 ng

RT: 13.634 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

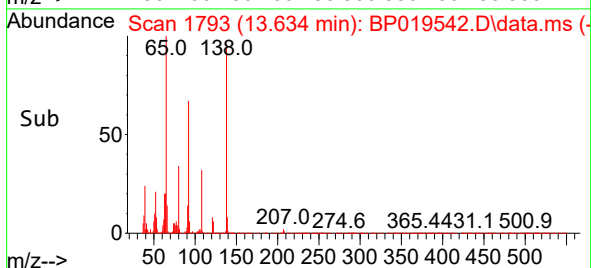
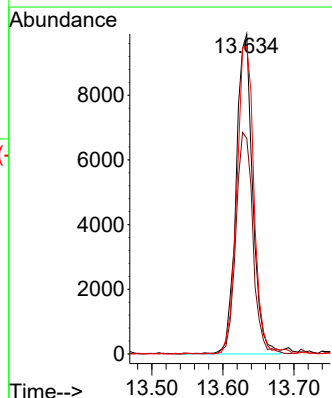
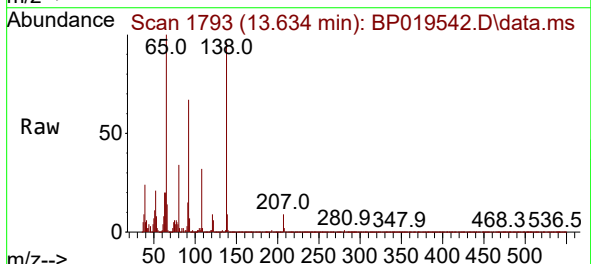
Tgt Ion: 65 Resp: 16009

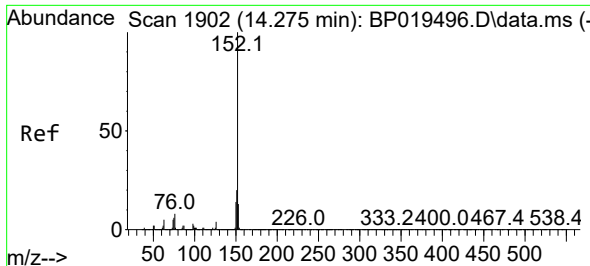
Ion Ratio Lower Upper

65 100

92 67.3 54.7 82.1

138 96.1 77.8 116.6

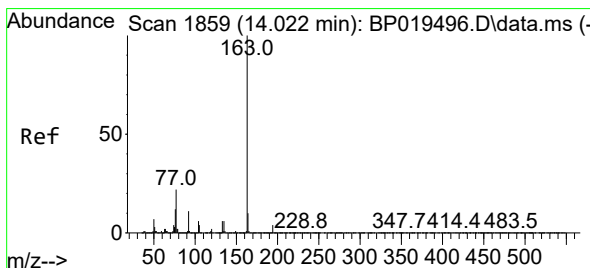
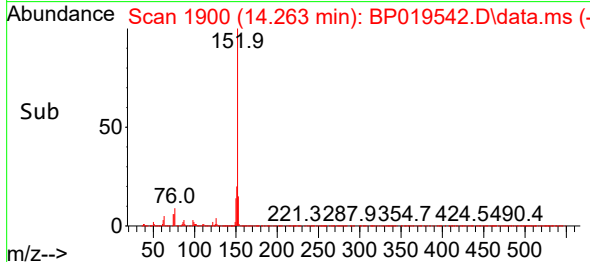
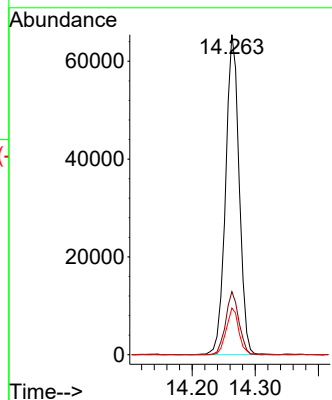
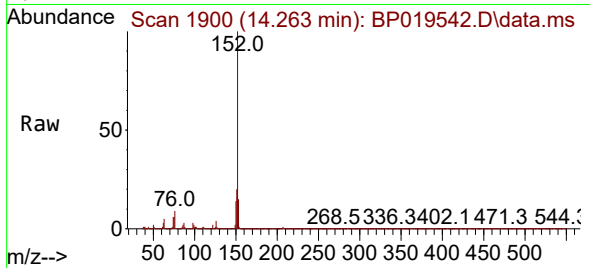




#49
Acenaphthylene
Concen: 4.008 ng
RT: 14.263 min Scan# 1900
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

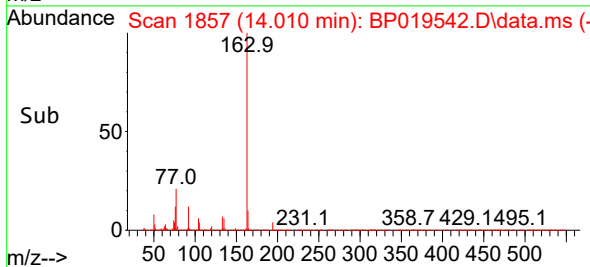
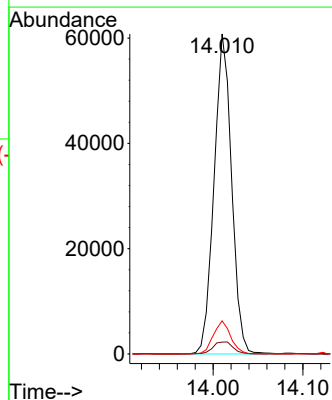
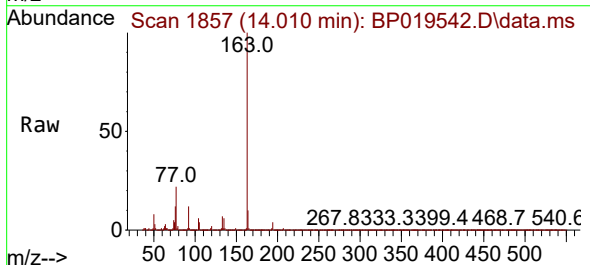
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

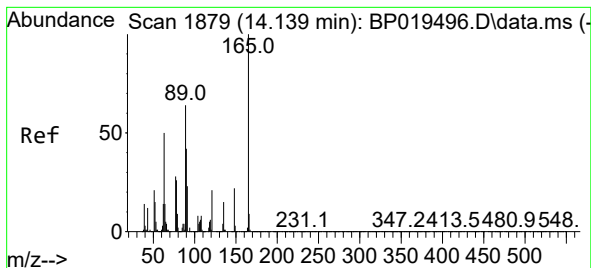
Tgt Ion:152 Resp: 97514
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 14.5 10.6 15.8



#50
Dimethylphthalate
Concen: 4.069 ng
RT: 14.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:163 Resp: 82455
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.2
164 10.3 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 3.526 ng

RT: 14.134 min Scan# 1879

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

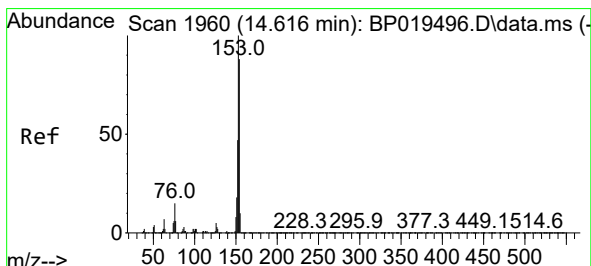
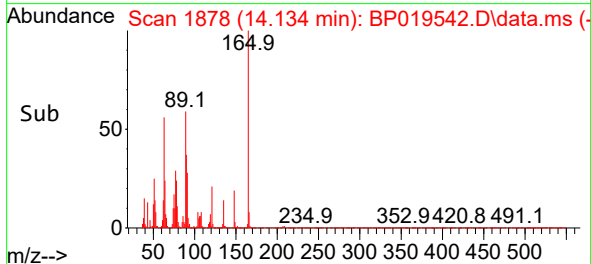
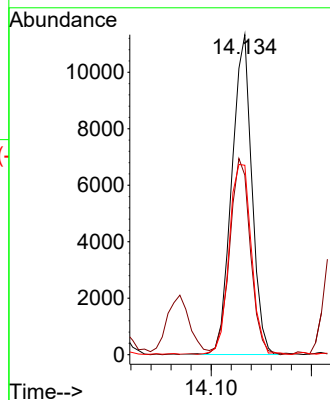
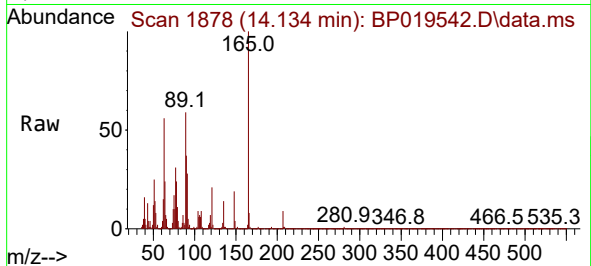
Tgt Ion:165 Resp: 15698

Ion Ratio Lower Upper

165 100

63 56.1 50.4 75.6

89 59.2 51.7 77.5



#52

Acenaphthene

Concen: 3.789 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

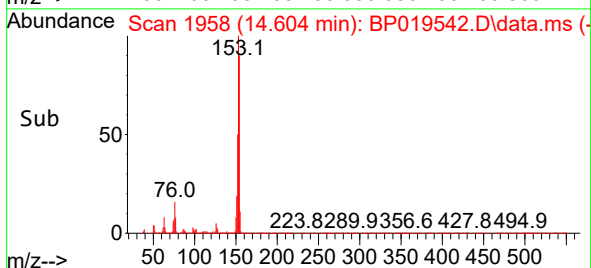
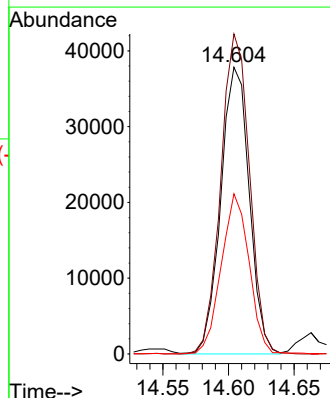
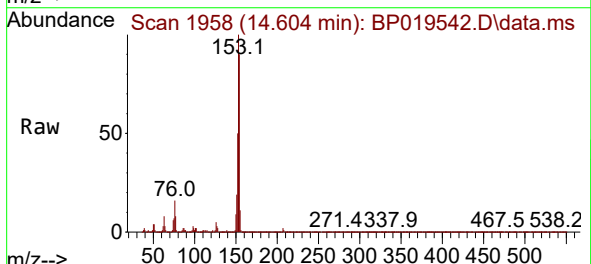
Tgt Ion:154 Resp: 57210

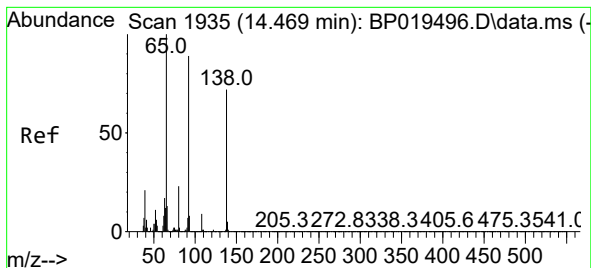
Ion Ratio Lower Upper

154 100

153 111.6 90.5 135.7

152 55.9 42.1 63.1

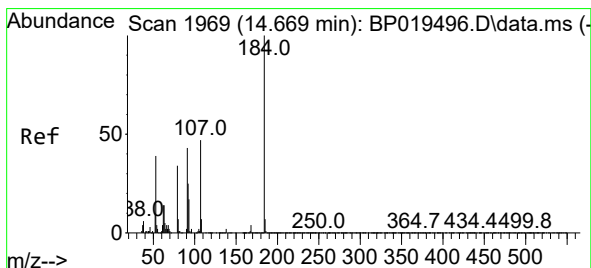
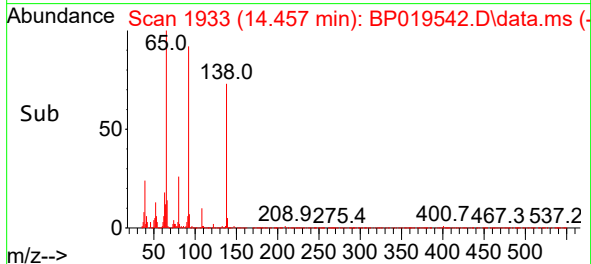
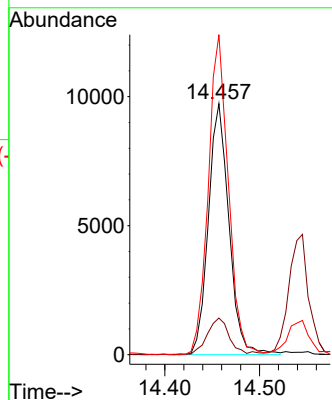
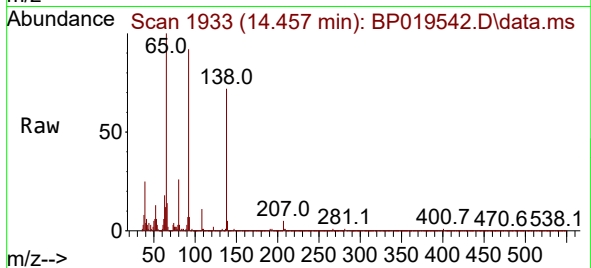




#53
3-Nitroaniline
Concen: 3.590 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

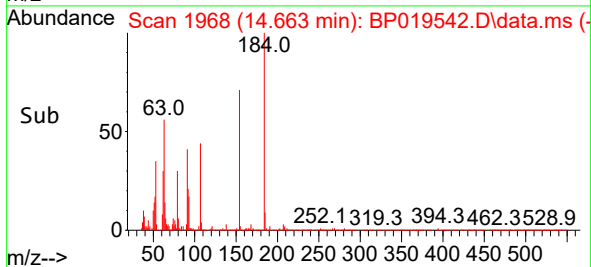
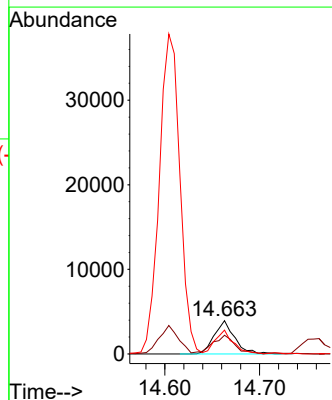
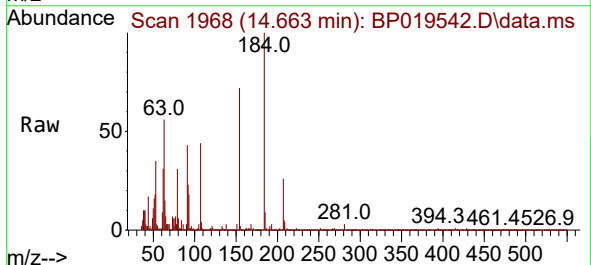
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

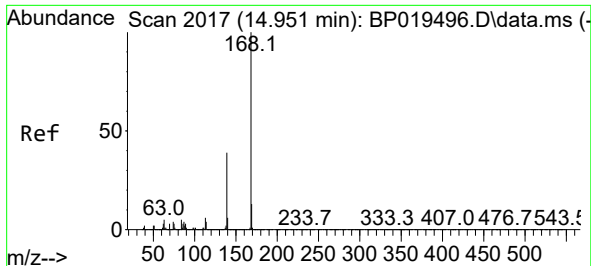
Tgt Ion:138 Resp: 14689
Ion Ratio Lower Upper
138 100
108 14.6 9.7 14.5#
92 127.4 98.0 147.0



#54
2,4-Dinitrophenol
Concen: 2.538 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:184 Resp: 5867
Ion Ratio Lower Upper
184 100
63 56.2 50.5 75.7
154 71.5 53.4 80.0

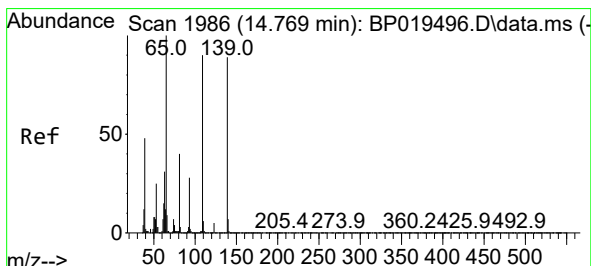
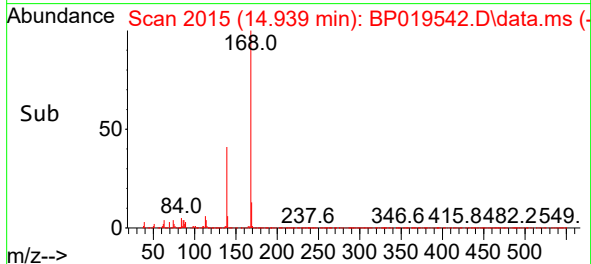
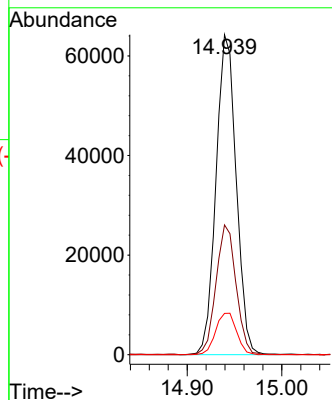
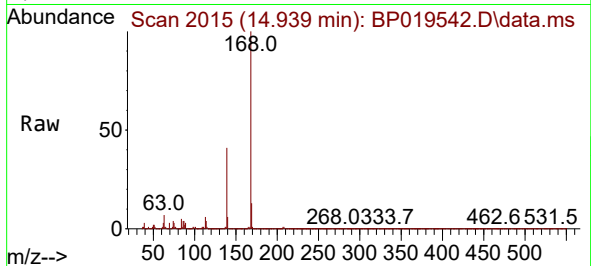




#55
Dibenzofuran
Concen: 3.874 ng
RT: 14.939 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

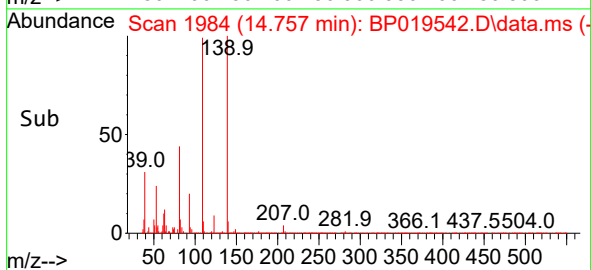
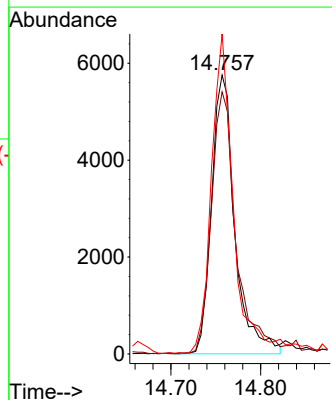
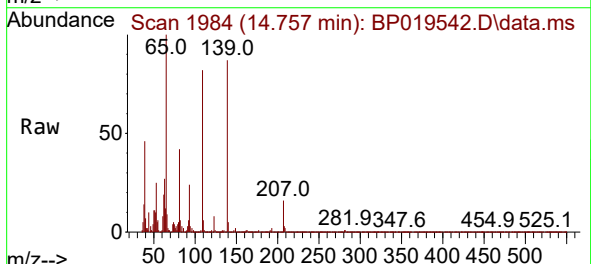
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

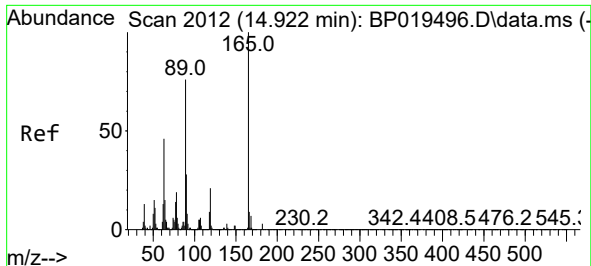
Tgt Ion:168 Resp: 95279
Ion Ratio Lower Upper
168 100
139 40.5 31.5 47.3
169 12.9 10.3 15.5



#56
4-Nitrophenol
Concen: 3.089 ng
RT: 14.757 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:139 Resp: 10357
Ion Ratio Lower Upper
139 100
109 94.0 82.0 122.0
65 114.7 92.9 132.9

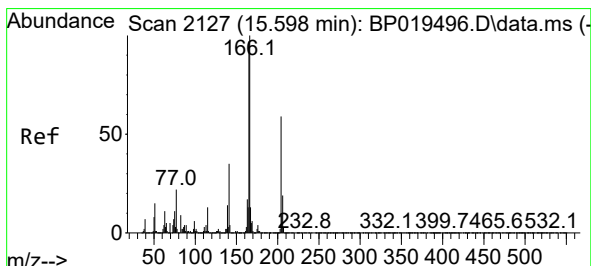
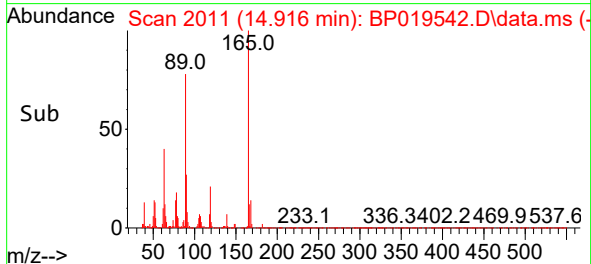
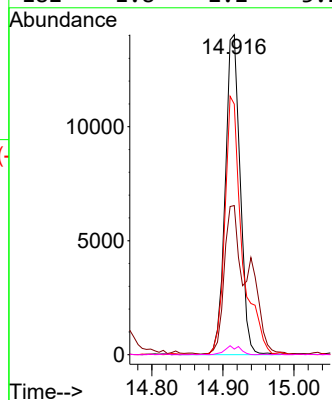
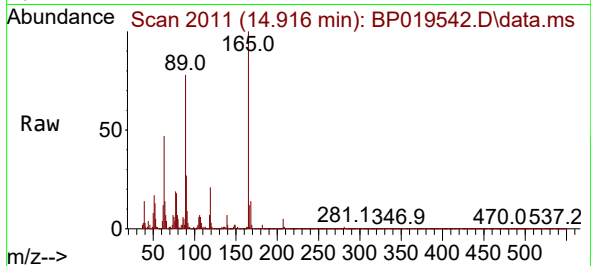




#57
2,4-Dinitrotoluene
Concen: 3.503 ng
RT: 14.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

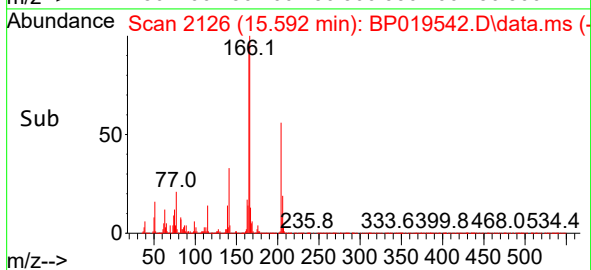
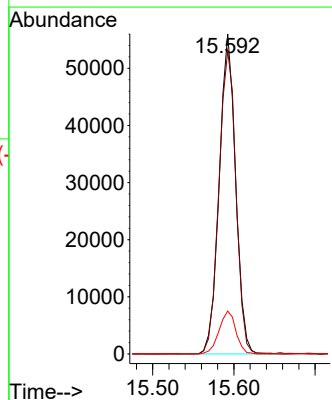
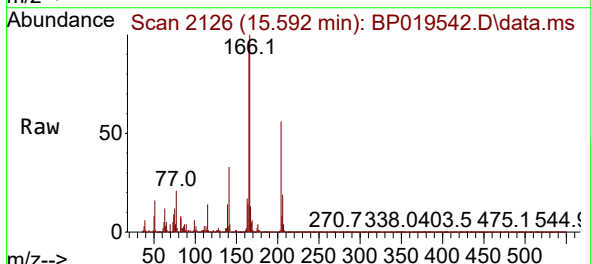
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

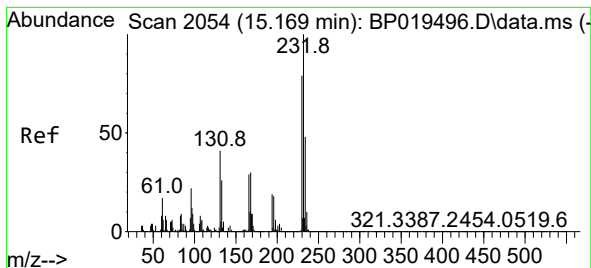
Tgt Ion:165 Resp: 20435
Ion Ratio Lower Upper
165 100
63 46.6 36.9 55.3
89 78.3 61.1 91.7
182 1.8 2.2 3.2#



#58
Fluorene
Concen: 4.017 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:166 Resp: 78684
Ion Ratio Lower Upper
166 100
165 94.8 77.8 116.8
167 13.4 10.7 16.1

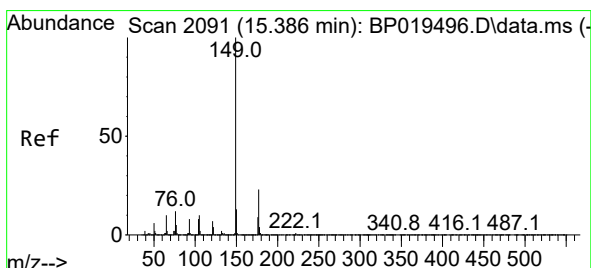
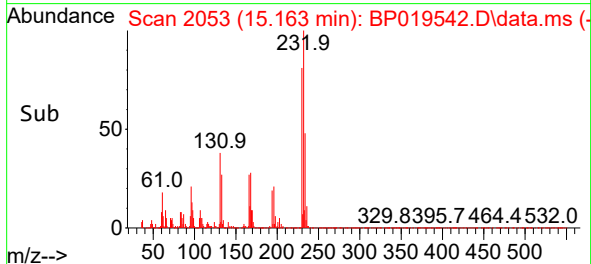
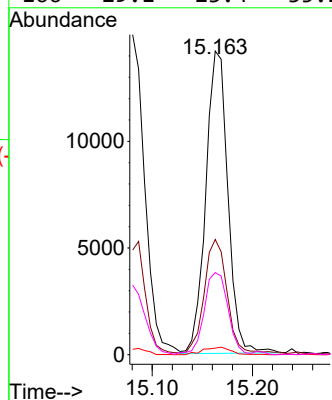
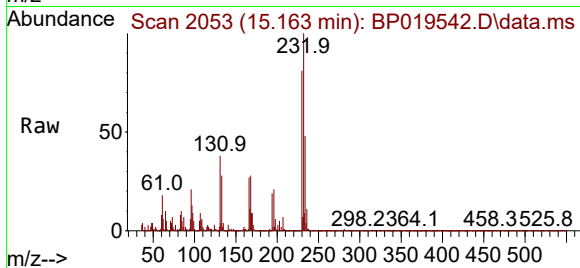




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.805 ng
RT: 15.163 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

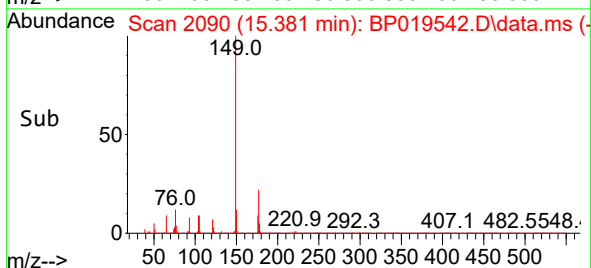
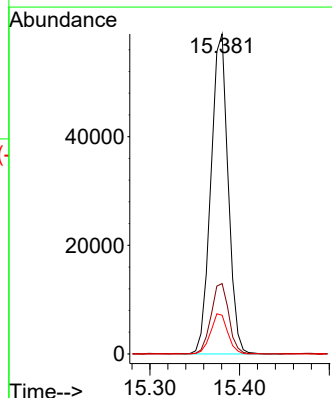
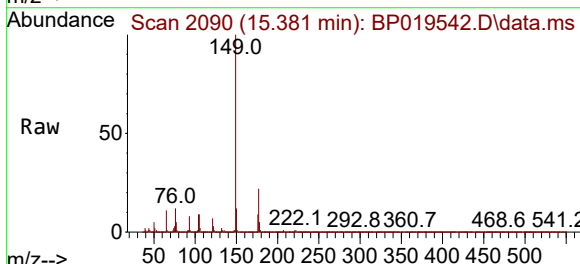
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

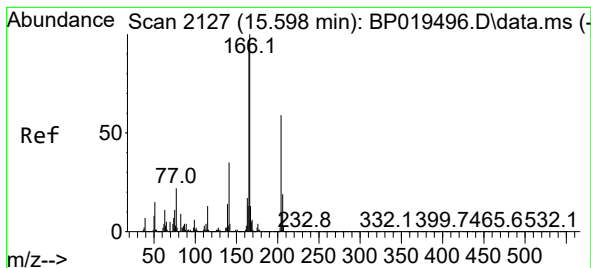
Tgt Ion:	232	Resp:	21725
Ion Ratio	Lower	Upper	
232	100		
131	39.5	32.4	48.6
130	3.1	1.9	2.9#
166	29.1	23.4	35.2



#60
Diethylphthalate
Concen: 3.895 ng
RT: 15.381 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:	149	Resp:	78503
Ion Ratio	Lower	Upper	
149	100		
177	22.0	18.2	27.2
150	12.1	10.2	15.4

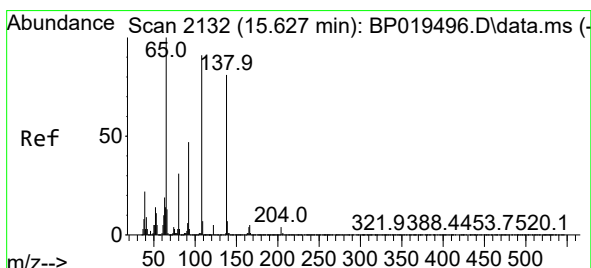
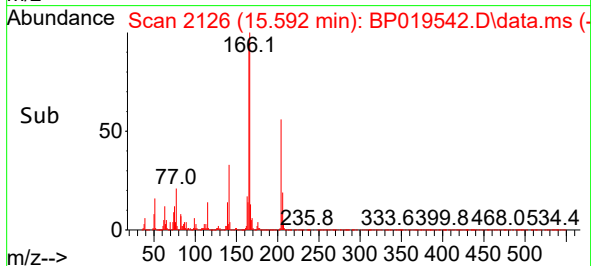
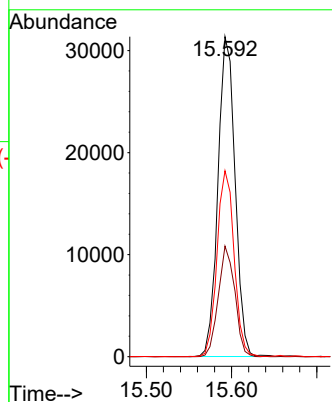
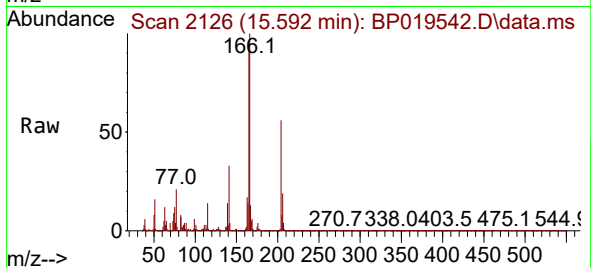




#61
4-Chlorophenyl-phenylether
Concen: 3.982 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

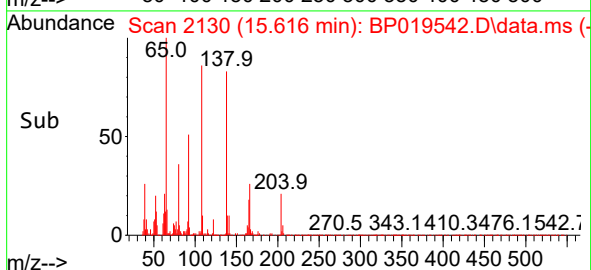
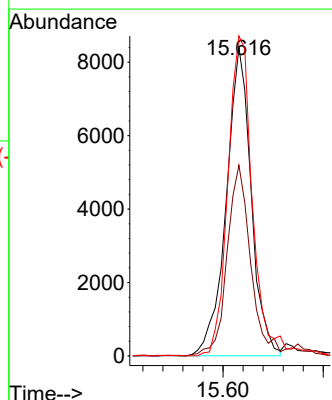
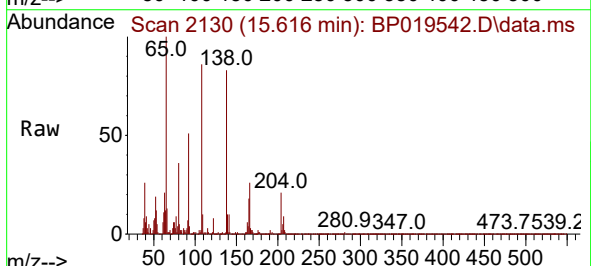
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

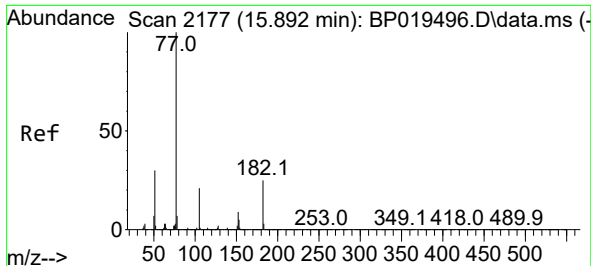
Tgt Ion:204 Resp: 43845
Ion Ratio Lower Upper
204 100
206 34.5 26.5 39.7
141 58.1 48.5 72.7



#62
4-Nitroaniline
Concen: 3.387 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:138 Resp: 14526
Ion Ratio Lower Upper
138 100
92 61.8 38.3 78.3
108 103.7 91.2 131.2

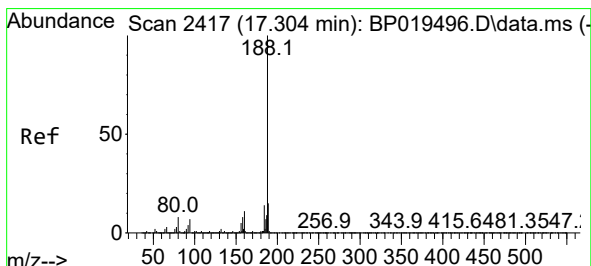
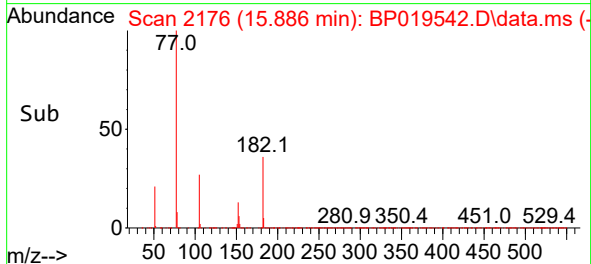
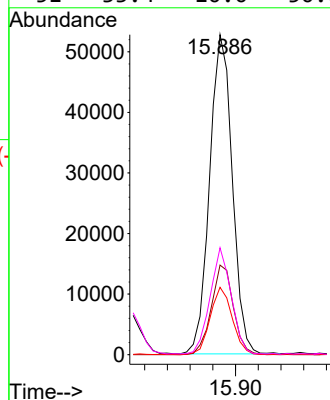
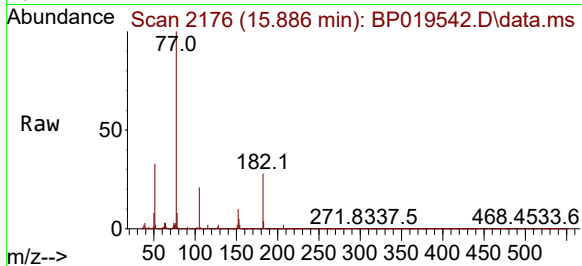




#63
Azobenzene
Concen: 3.751 ng
RT: 15.886 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

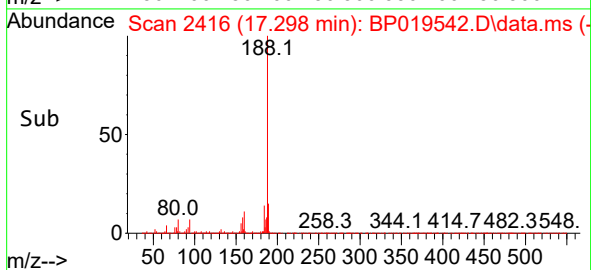
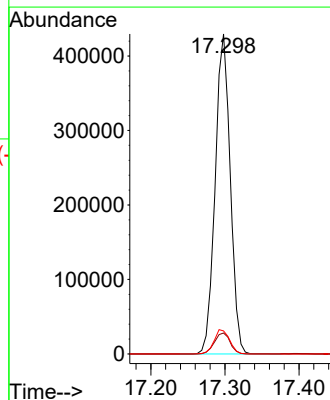
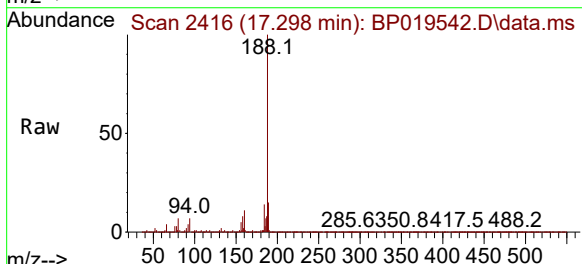
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

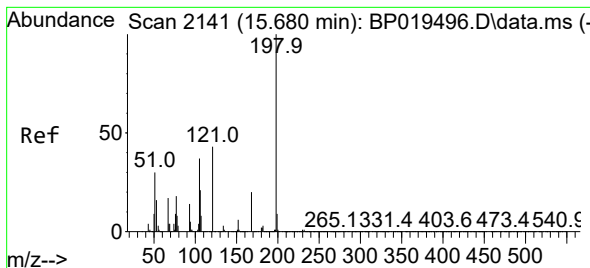
Tgt Ion: 77	Resp: 73098
Ion Ratio	Lower Upper
77 100	
182 28.0	5.1 45.1
105 21.1	0.8 40.8
51 33.4	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion: 188	Resp: 606361
Ion Ratio	Lower Upper
188 100	
94 6.6	5.4 8.2
80 7.2	6.3 9.5

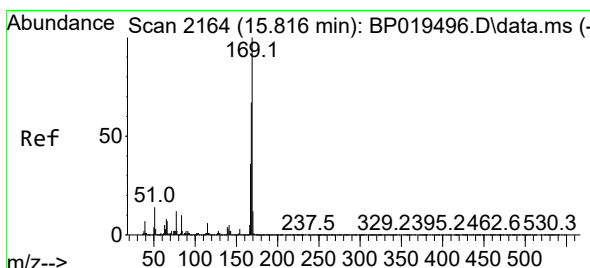
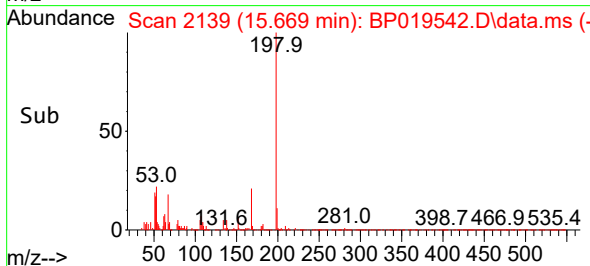
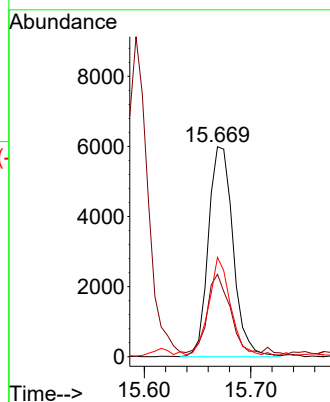
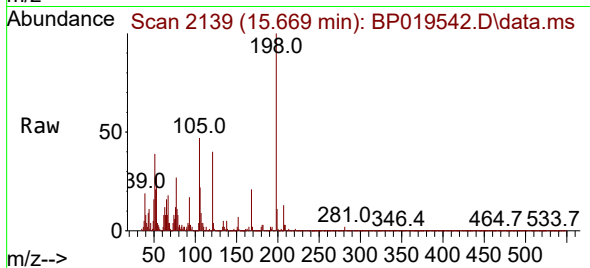




#65
4,6-Dinitro-2-methylphenol
Concen: 2.784 ng
RT: 15.669 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

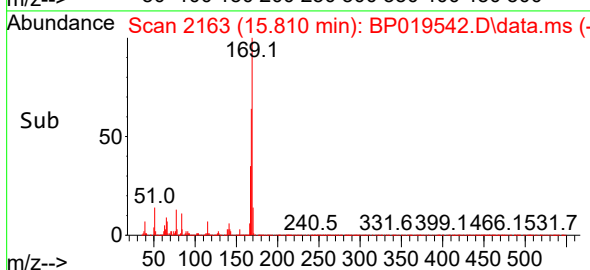
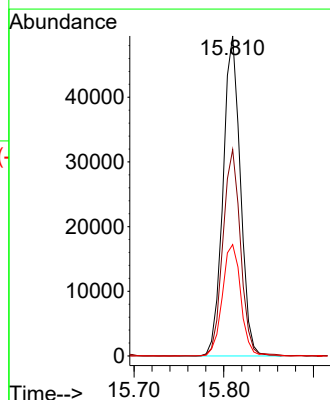
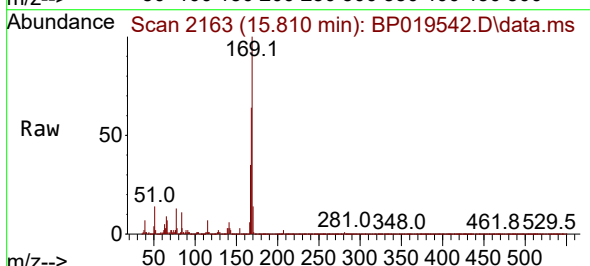
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

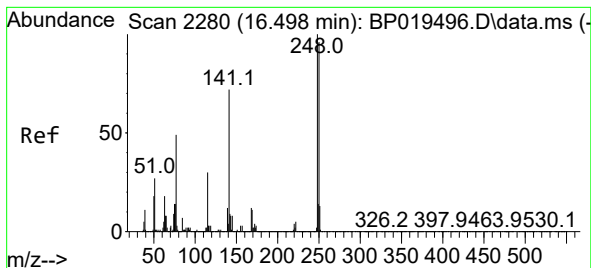
Tgt Ion:198 Resp: 9624
Ion Ratio Lower Upper
198 100
51 39.3 21.2 61.2
105 47.3 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 3.651 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.006 min
Lab File: BP019542.D
Acq: 02 Feb 2024 23:33

Tgt Ion:169 Resp: 66310
Ion Ratio Lower Upper
169 100
168 64.5 53.4 80.2
167 34.8 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 3.541 ng

RT: 16.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

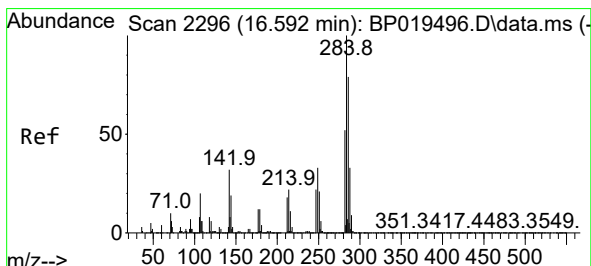
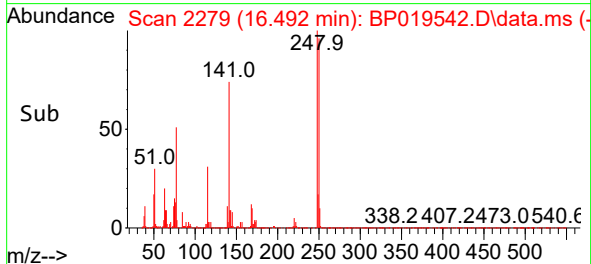
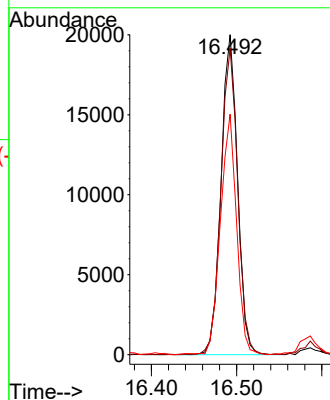
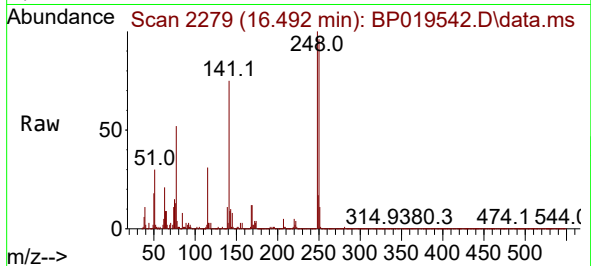
Tgt Ion:248 Resp: 26842

Ion Ratio Lower Upper

248 100

250 95.8 76.9 115.3

141 75.2 58.0 87.0



#68

Hexachlorobenzene

Concen: 3.620 ng

RT: 16.586 min Scan# 2295

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

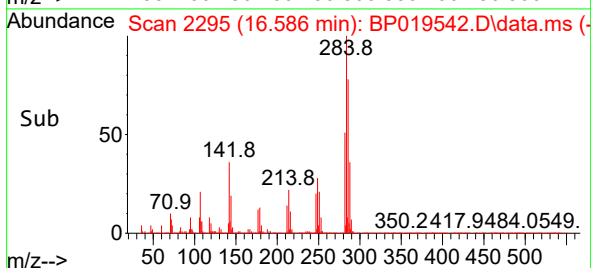
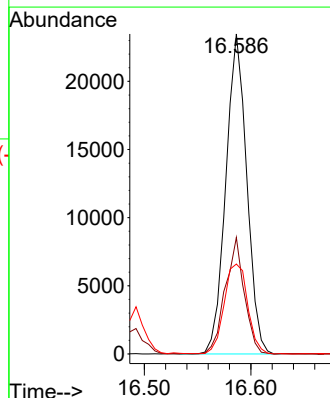
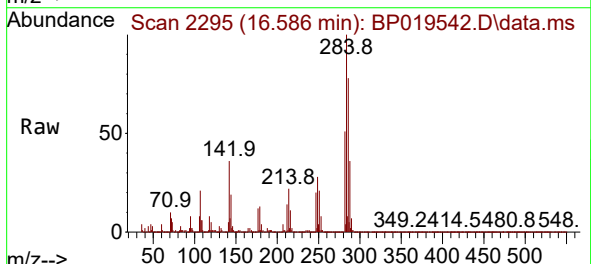
Tgt Ion:284 Resp: 32040

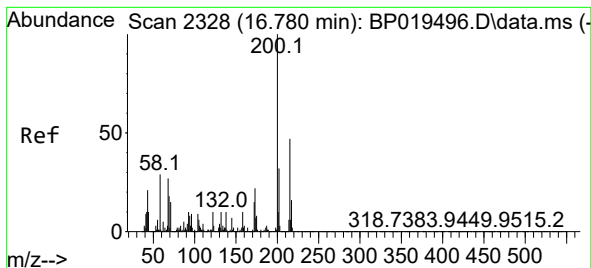
Ion Ratio Lower Upper

284 100

142 36.4 25.4 38.2

249 28.1 26.5 39.7





#69

Atrazine

Concen: 4.292 ng

RT: 16.769 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

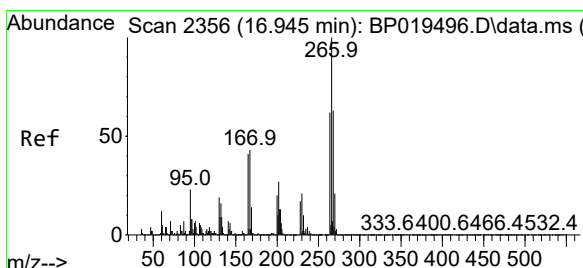
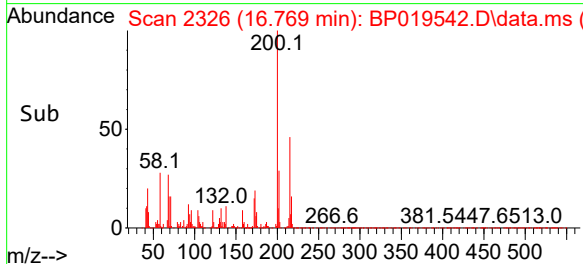
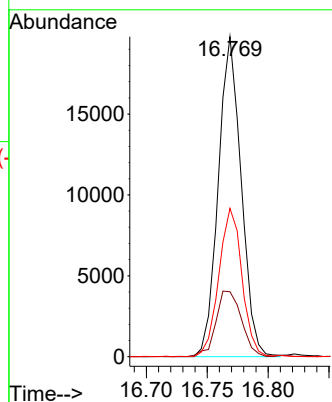
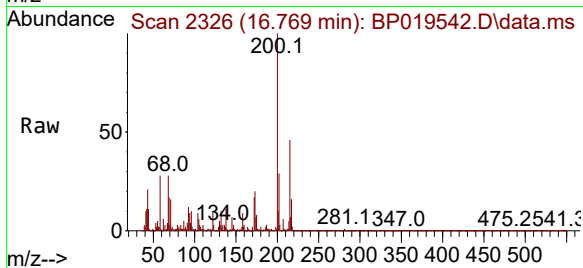
Tgt Ion:200 Resp: 25863

Ion Ratio Lower Upper

200 100

173 20.3 1.7 41.7

215 46.4 26.9 66.9



#70

Pentachlorophenol

Concen: 2.782 ng

RT: 16.939 min Scan# 2355

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

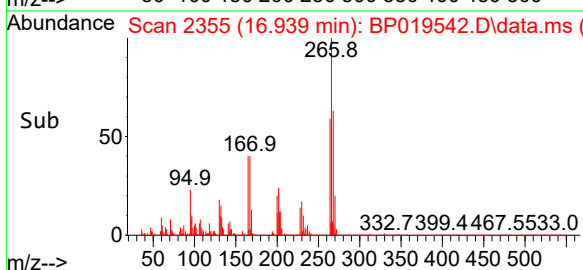
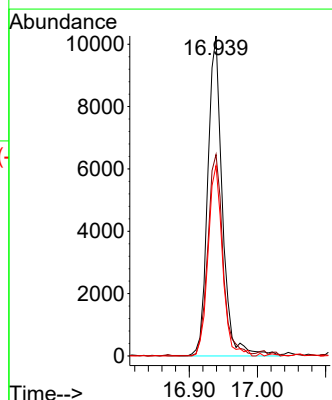
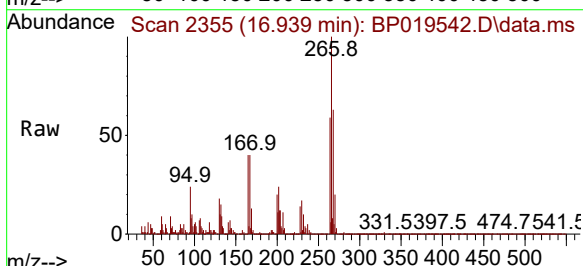
Tgt Ion:266 Resp: 15338

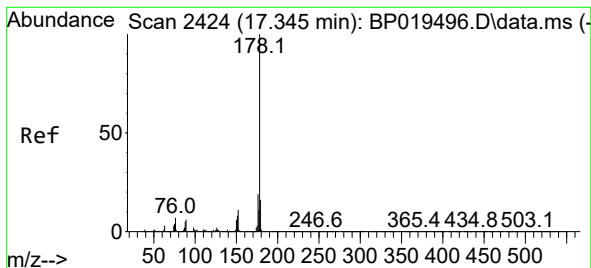
Ion Ratio Lower Upper

266 100

268 62.9 50.3 75.5

264 59.5 49.7 74.5





#71

Phenanthrene

Concen: 3.861 ng

RT: 17.339 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

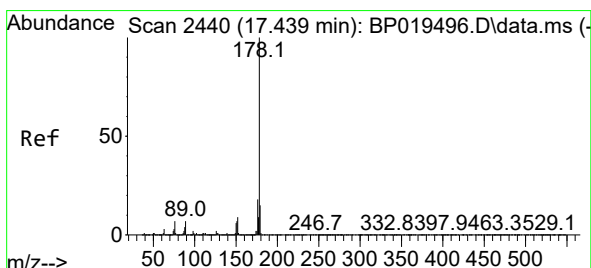
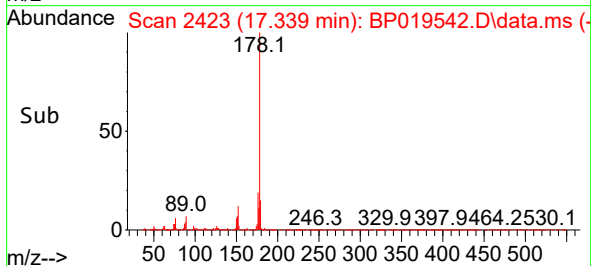
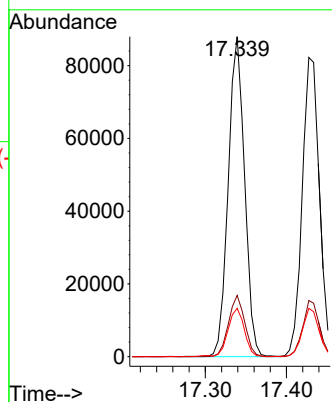
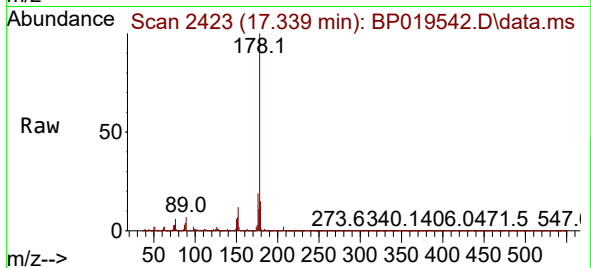
Tgt Ion:178 Resp: 123210

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

179 15.1 12.6 19.0



#72

Anthracene

Concen: 3.825 ng

RT: 17.427 min Scan# 2438

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

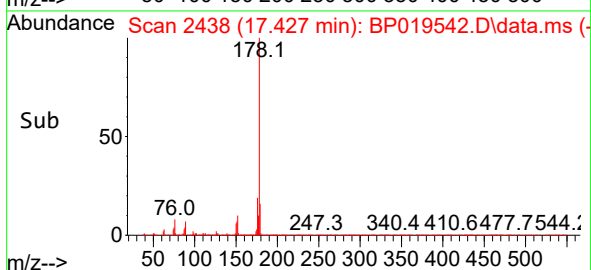
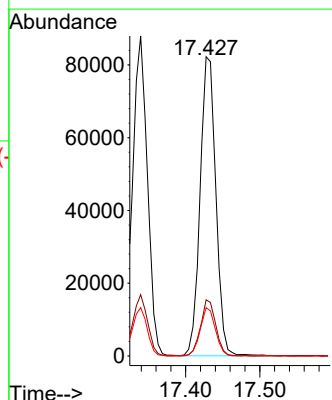
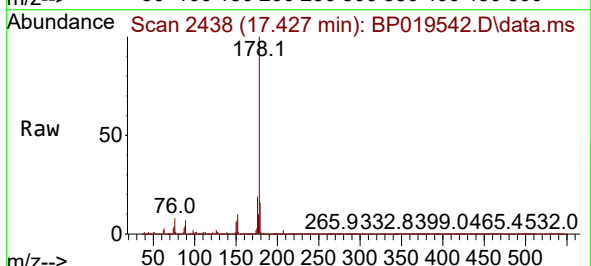
Tgt Ion:178 Resp: 121772

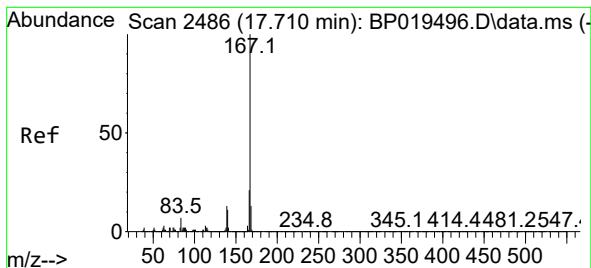
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 16.2 12.2 18.2





#73

Carbazole

Concen: 3.497 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

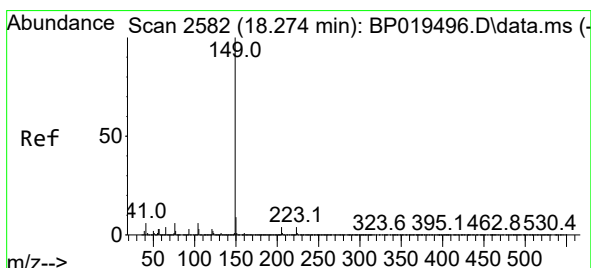
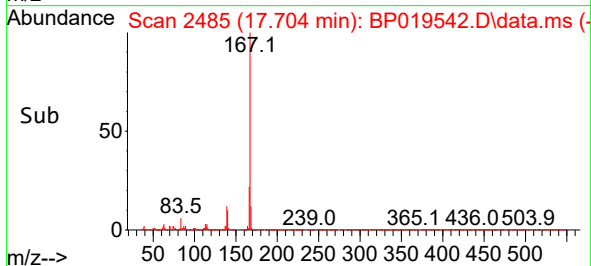
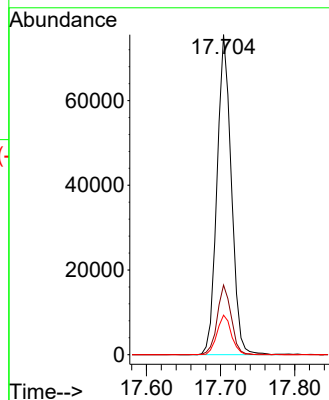
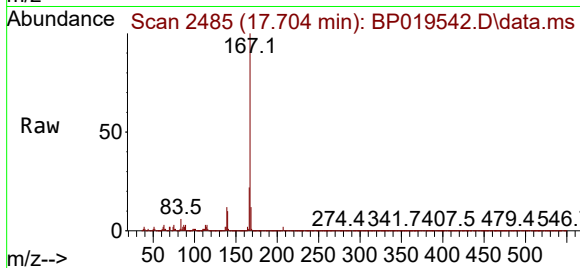
Tgt Ion:167 Resp: 101130

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

139 12.4 10.6 15.8



#74

Di-n-butylphthalate

Concen: 3.294 ng

RT: 18.269 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

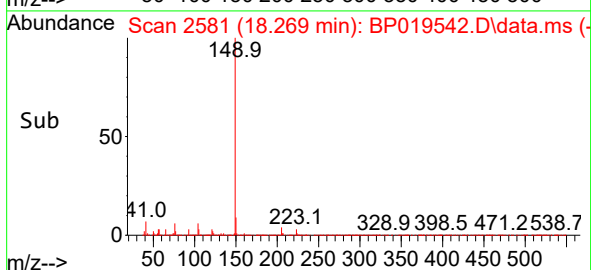
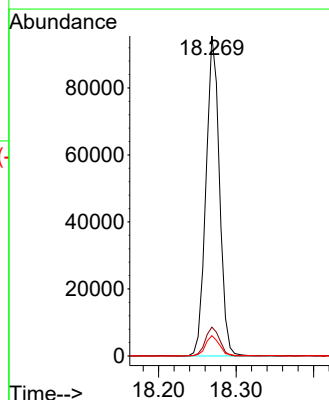
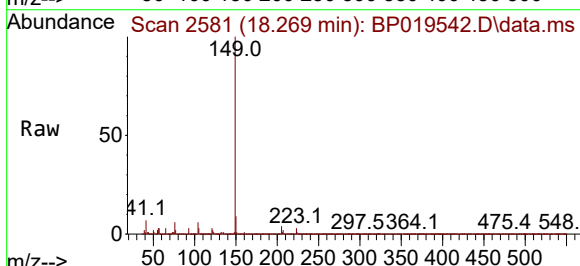
Tgt Ion:149 Resp: 115185

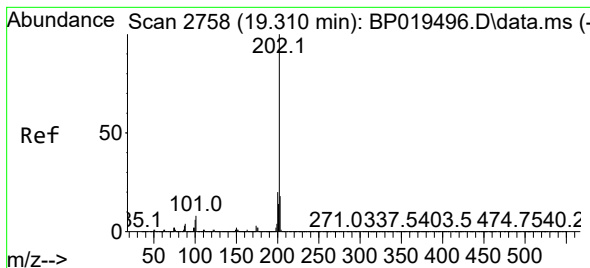
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

104 6.4 4.8 7.2





#75

Fluoranthene

Concen: 3.379 ng

RT: 19.304 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

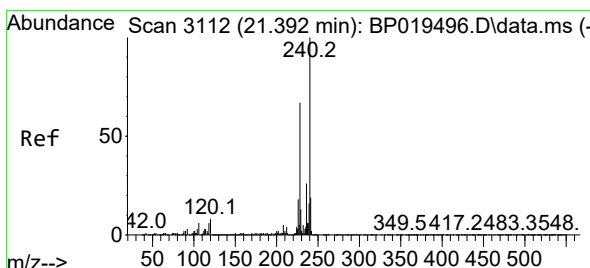
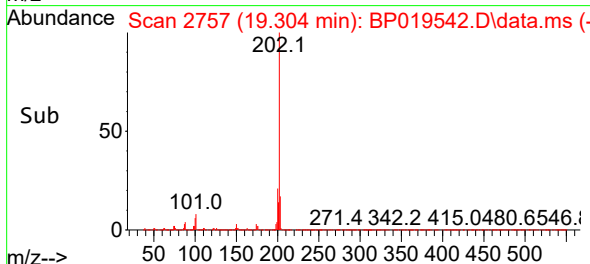
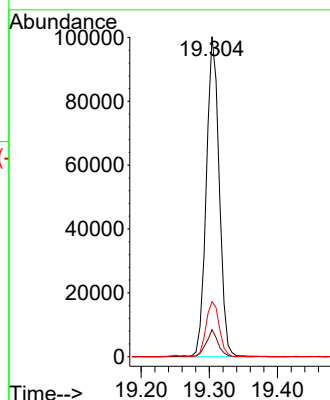
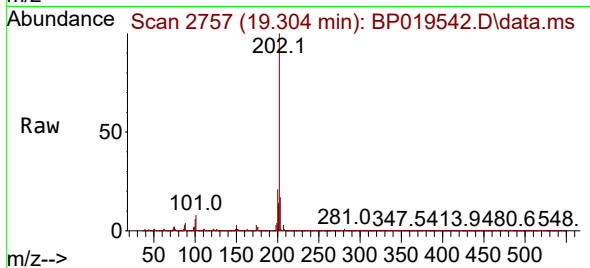
Tgt Ion:202 Resp: 131704

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.7

203 17.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

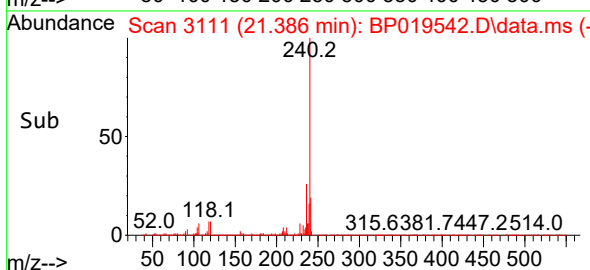
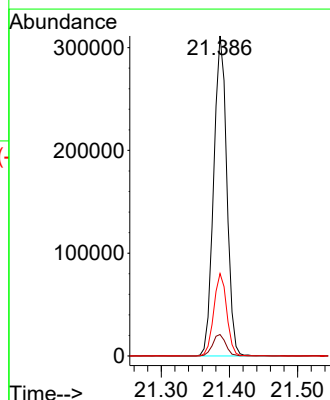
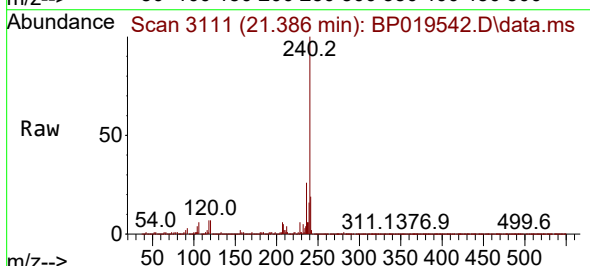
Tgt Ion:240 Resp: 416986

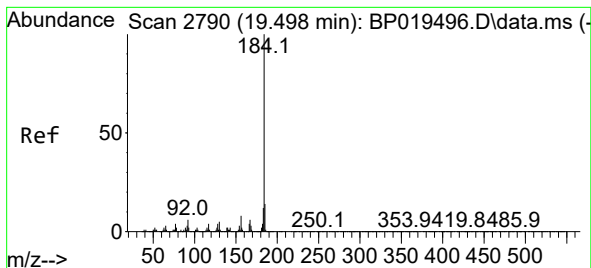
Ion Ratio Lower Upper

240 100

120 6.7 6.1 9.1

236 25.7 20.7 31.1





#77

Benzidine

Concen: 5.784 ng

RT: 19.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

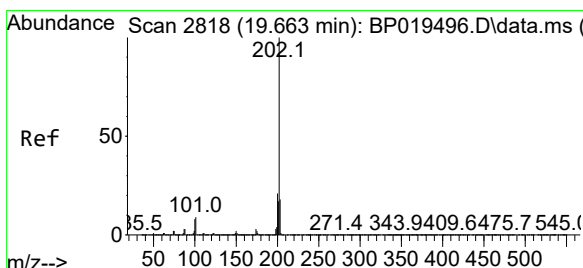
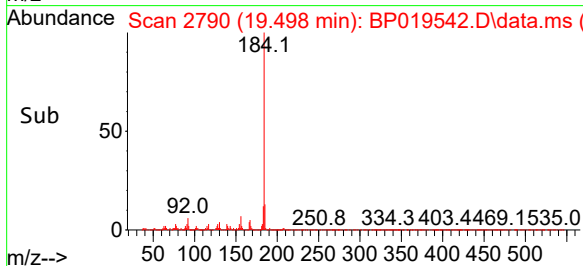
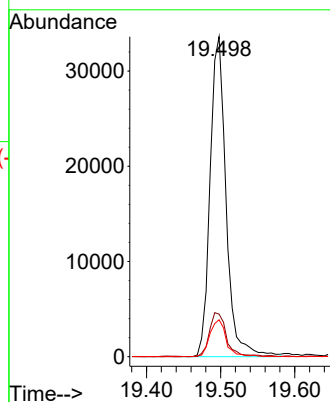
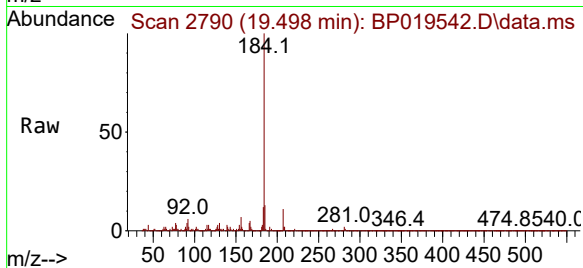
Tgt Ion:184 Resp: 50427

Ion Ratio Lower Upper

184 100

185 13.3 11.1 16.7

183 11.6 9.7 14.5



#78

Pyrene

Concen: 4.577 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

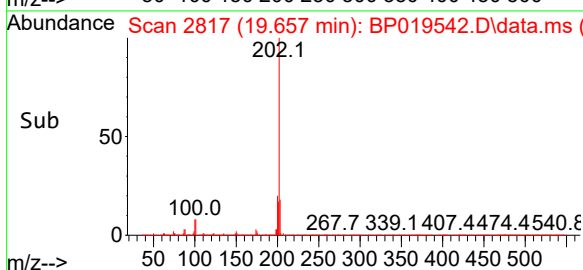
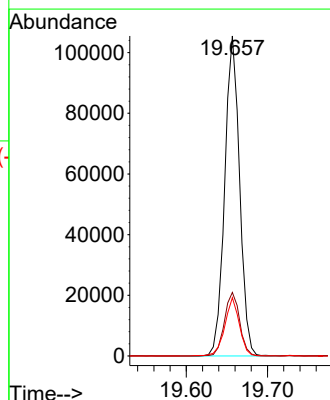
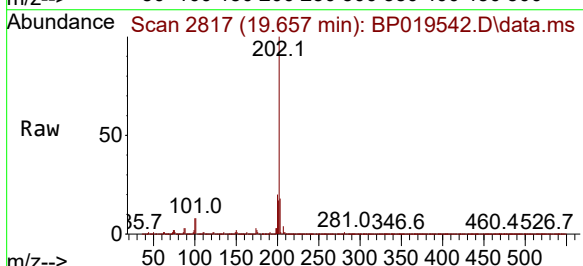
Tgt Ion:202 Resp: 134708

Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

203 18.2 14.2 21.2





#79

Terphenyl-d14

Concen: 101.517 ng

RT: 19.869 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

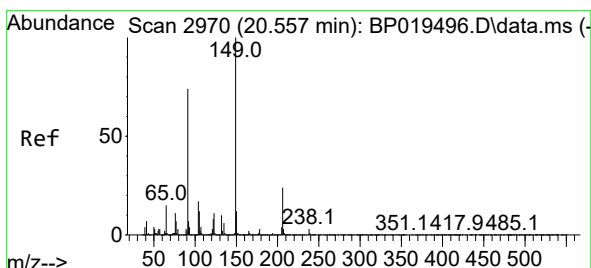
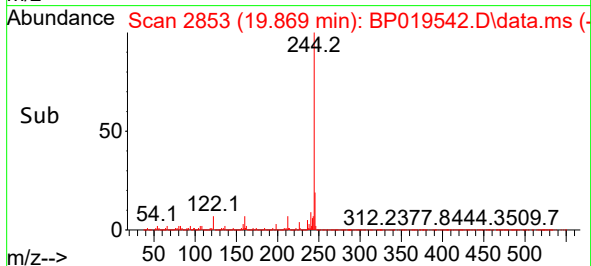
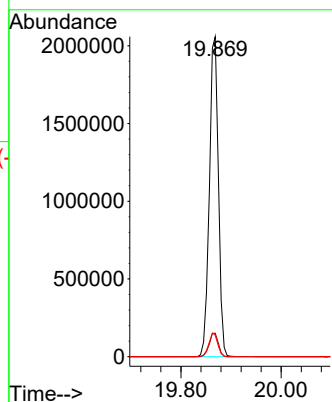
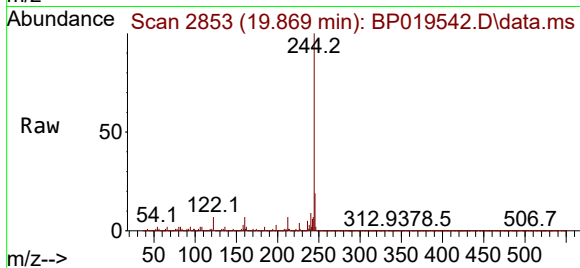
Tgt Ion:244 Resp: 2574032

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 6.7 5.9 8.9



#80

Butylbenzylphthalate

Concen: 3.232 ng

RT: 20.551 min Scan# 2969

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

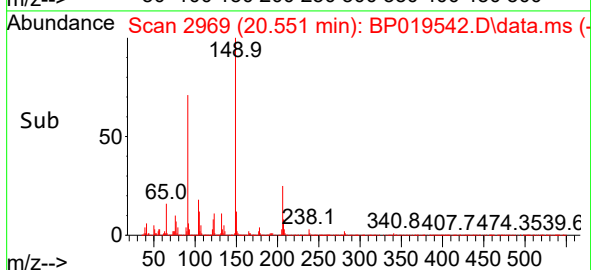
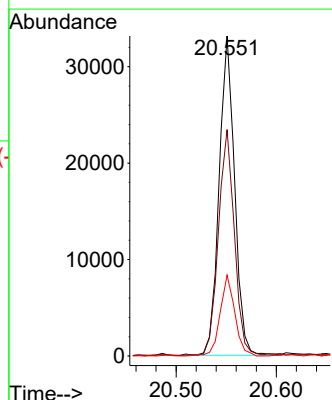
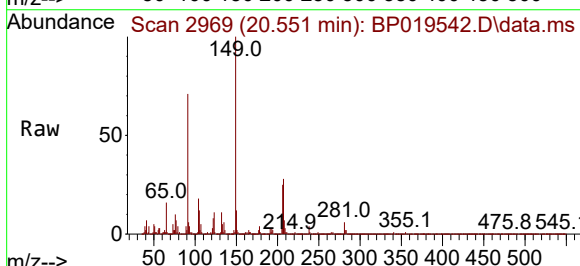
Tgt Ion:149 Resp: 35525

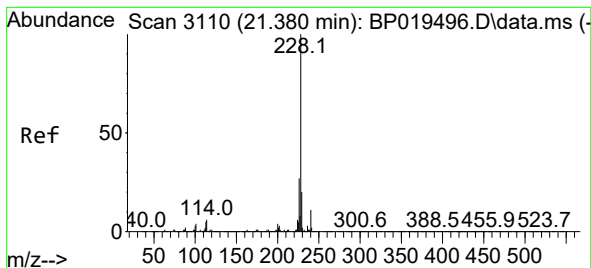
Ion Ratio Lower Upper

149 100

91 70.8 59.4 89.0

206 25.3 19.0 28.6





#81

Benzo(a)anthracene

Concen: 3.744 ng

RT: 21.368 min Scan# 3110

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

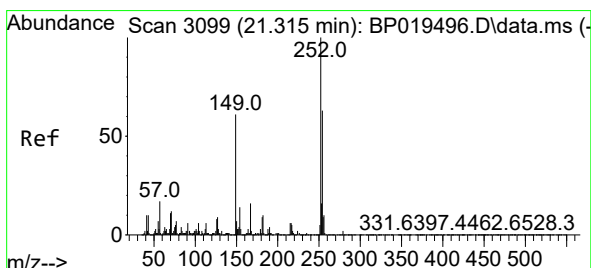
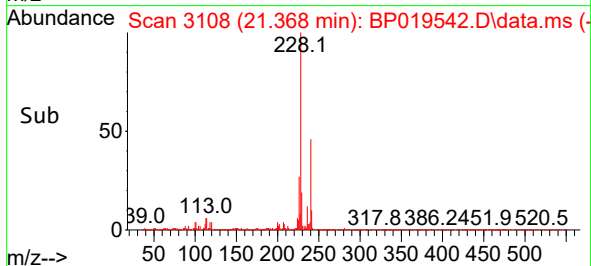
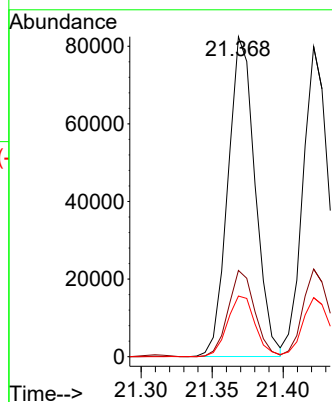
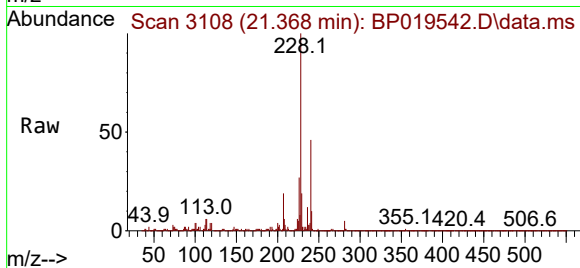
Tgt Ion:228 Resp: 109892

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

229 18.9 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 3.307 ng

RT: 21.310 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

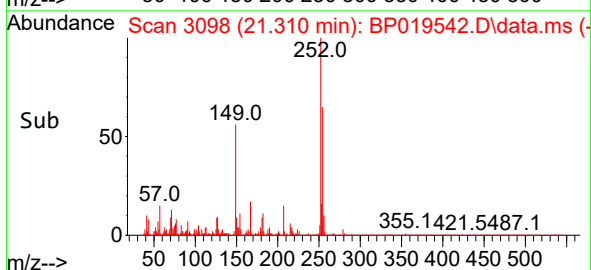
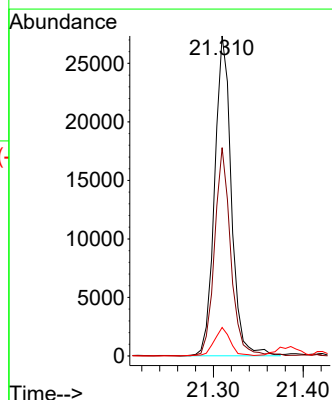
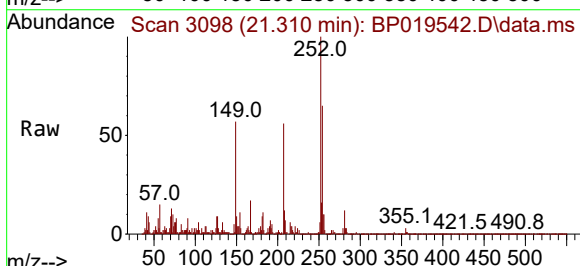
Tgt Ion:252 Resp: 35373

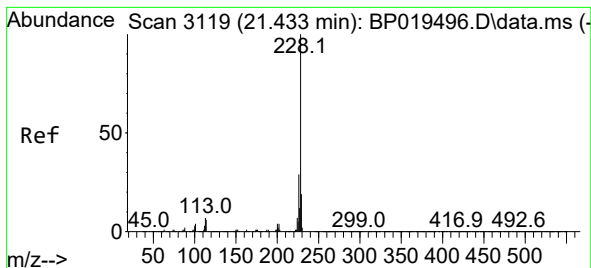
Ion Ratio Lower Upper

252 100

254 65.1 50.7 76.1

126 8.9 6.4 9.6





#83

Chrysene

Concen: 3.618 ng

RT: 21.421 min Scan# 3119

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

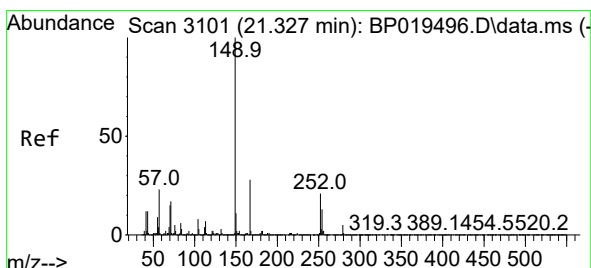
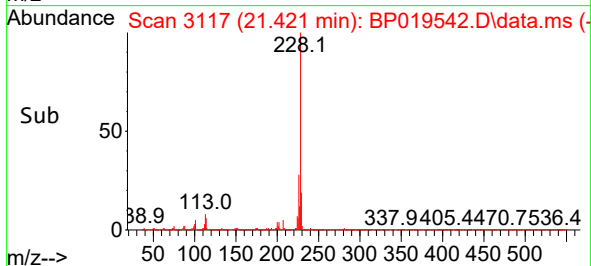
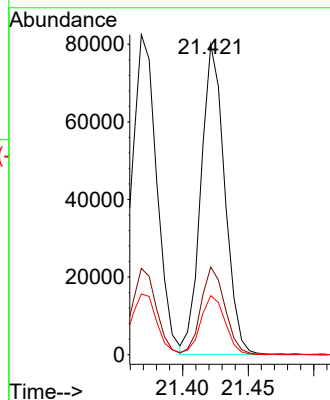
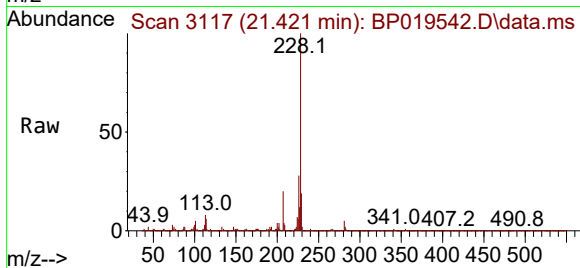
Tgt Ion:228 Resp: 100827

Ion Ratio Lower Upper

228 100

226 28.3 23.4 35.2

229 19.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.736 ng

RT: 21.321 min Scan# 3100

Delta R.T. -0.006 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

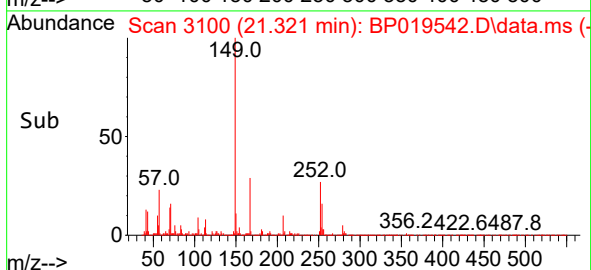
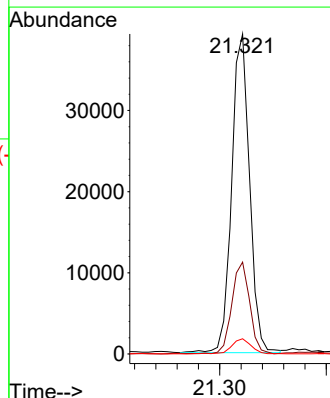
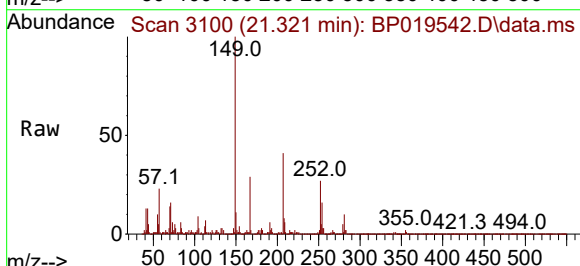
Tgt Ion:149 Resp: 45795

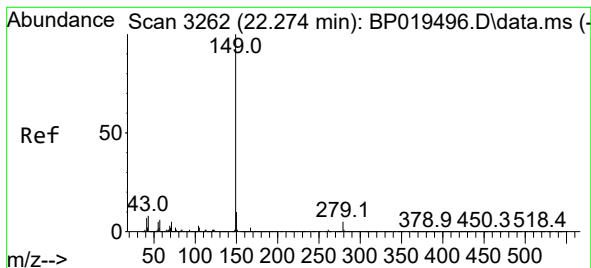
Ion Ratio Lower Upper

149 100

167 28.7 22.7 34.1

279 4.8 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.201 ng

RT: 22.263 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

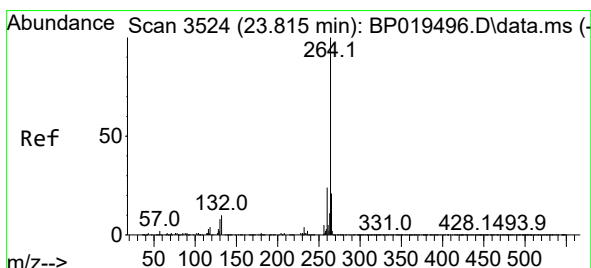
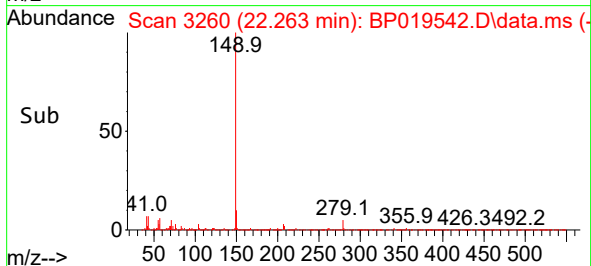
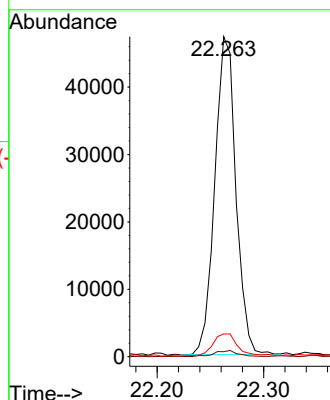
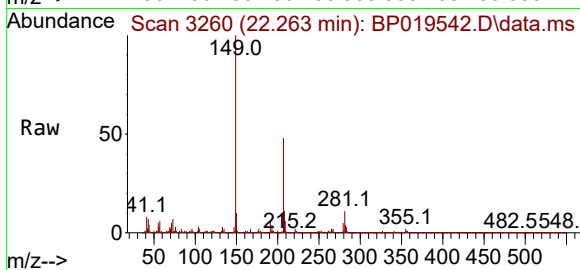
Tgt Ion:149 Resp: 64800

Ion Ratio Lower Upper

149 100

167 2.2 1.3 1.9#

43 7.7 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

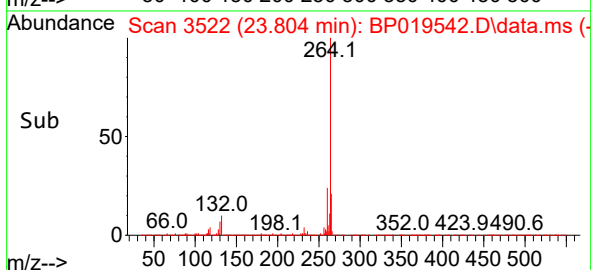
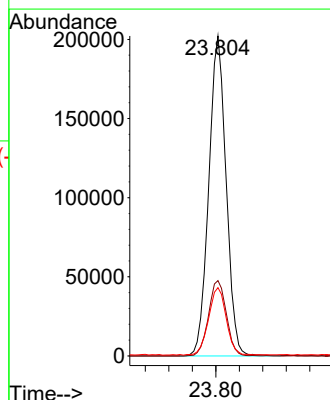
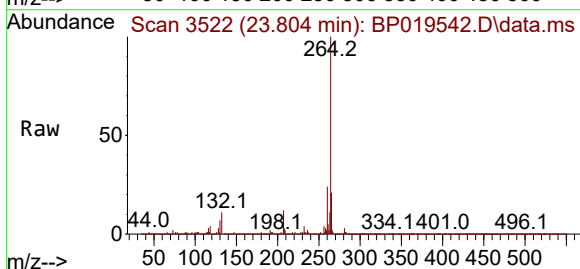
Tgt Ion:264 Resp: 414592

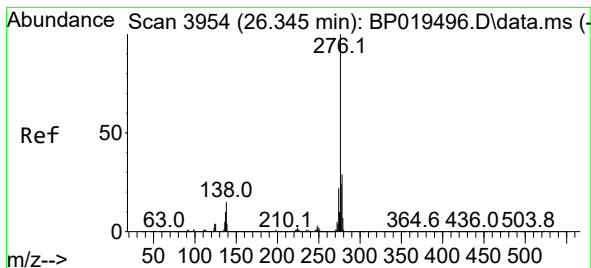
Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.720 ng

RT: 26.321 min Scan# 3405

Delta R.T. -0.023 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

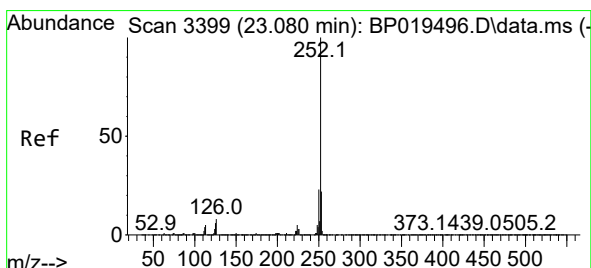
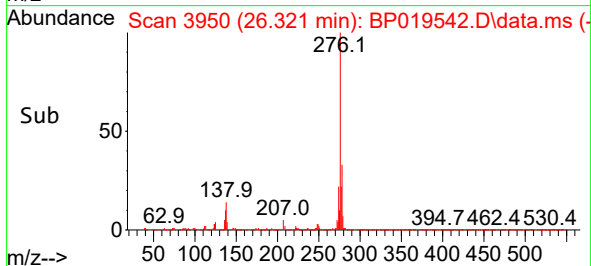
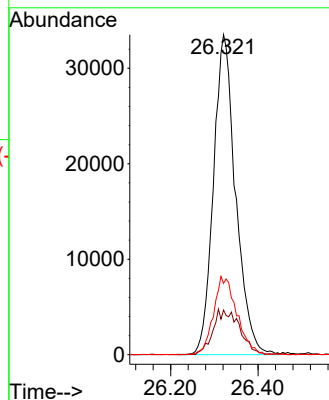
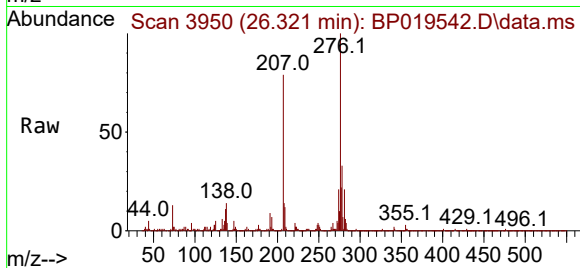
Tgt Ion:276 Resp: 118049

Ion Ratio Lower Upper

276 100

138 6.0 13.1 19.7#

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 3.231 ng

RT: 23.115 min Scan# 3405

Delta R.T. 0.035 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

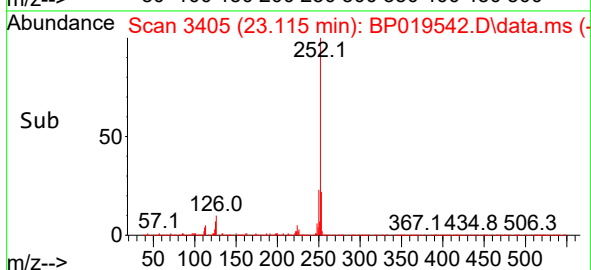
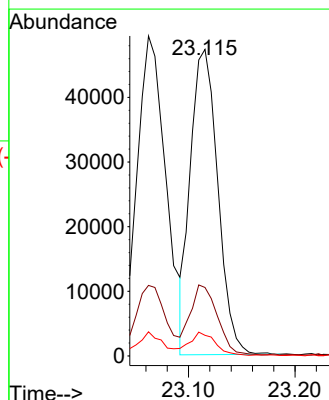
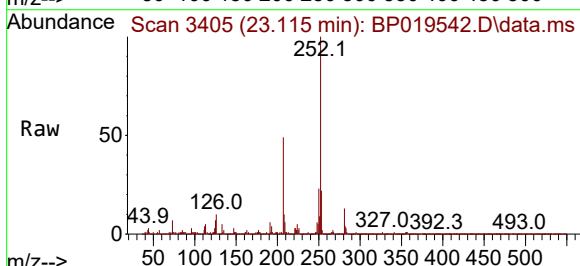
Tgt Ion:252 Resp: 84431

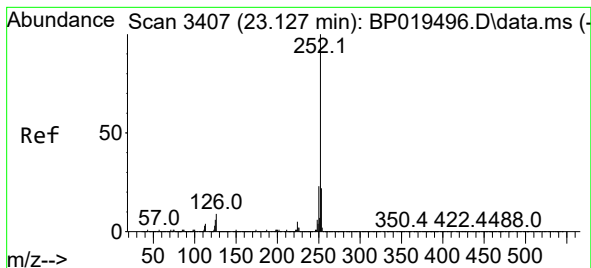
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 6.8 4.9 7.3





#89

Benzo(k)fluoranthene

Concen: 3.383 ng

RT: 23.115 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

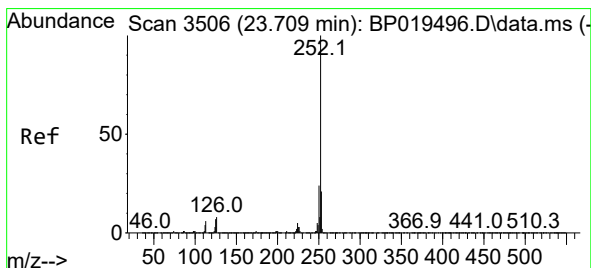
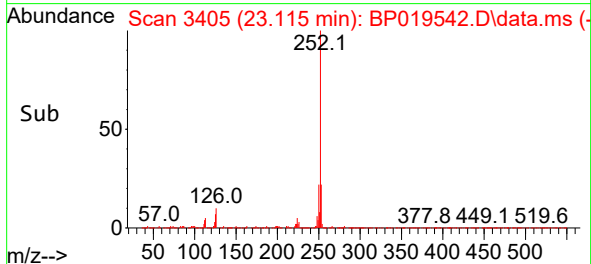
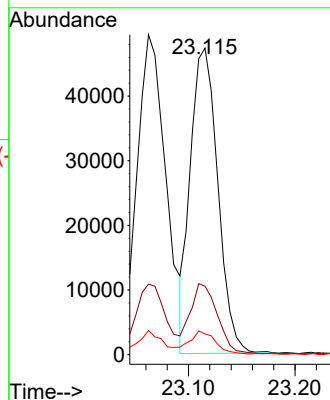
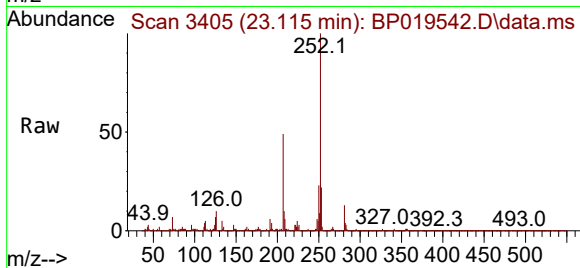
Tgt Ion:252 Resp: 84431

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 6.8 5.0 7.6



#90

Benzo(a)pyrene

Concen: 3.451 ng

RT: 23.692 min Scan# 3503

Delta R.T. -0.017 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

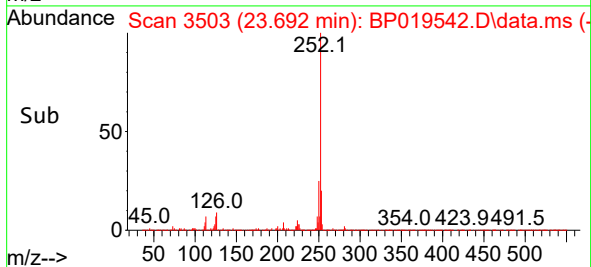
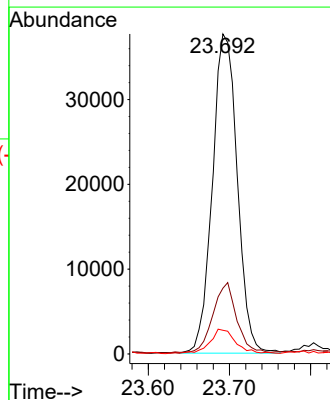
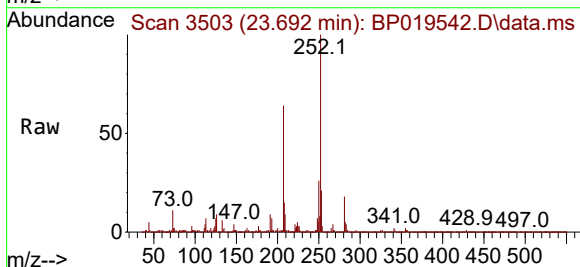
Tgt Ion:252 Resp: 80234

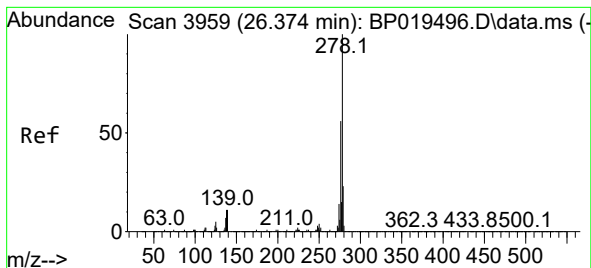
Ion Ratio Lower Upper

252 100

253 20.5 17.1 25.7

125 7.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 3.837 ng

RT: 26.351 min Scan# 3955

Delta R.T. -0.023 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023

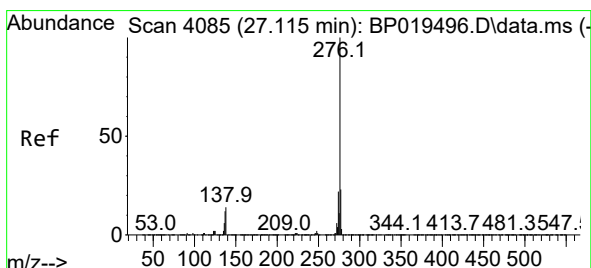
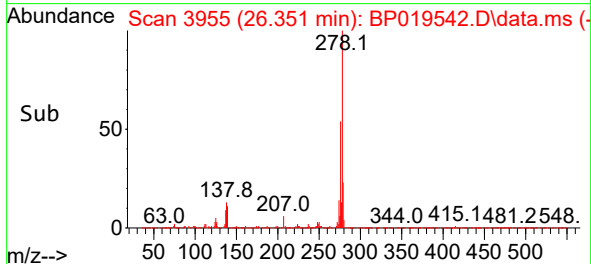
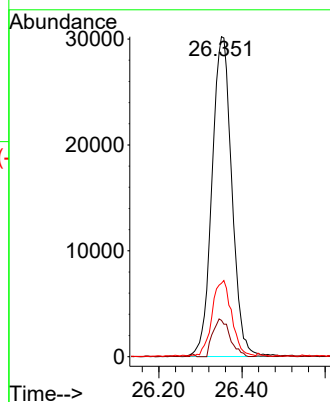
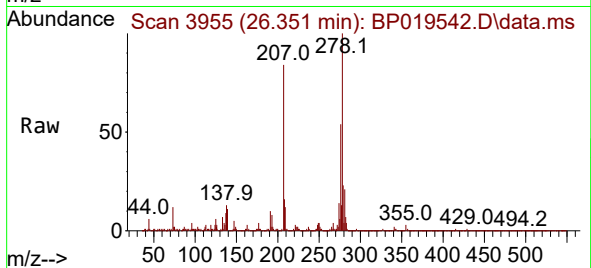
Tgt Ion:278 Resp: 100145

Ion Ratio Lower Upper

278 100

139 11.3 8.6 12.8

279 23.0 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 3.692 ng

RT: 27.092 min Scan# 4081

Delta R.T. -0.023 min

Lab File: BP019542.D

Acq: 02 Feb 2024 23:33

Tgt Ion:276 Resp: 97762

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 13.0 10.9 16.3

