

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081424\
 Data File : BP021496.D
 Acq On : 14 Aug 2024 12:06
 Operator : RC/JU
 Sample : P3390-01
 Misc : LOD-MDL-SOIL-8ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 14 12:33:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	317412	20.000	ng	0.00
21) Naphthalene-d8	10.592	136	1390807	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	953814	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	2142969	20.000	ng	0.00
76) Chrysene-d12	21.692	240	2137506	20.000	ng	0.00
86) Perylene-d12	25.109	264	2377678	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2807226	131.323	ng	0.00
7) Phenol-d6	6.963	99	4071026	130.551	ng	0.00
23) Nitrobenzene-d5	8.951	82	2629464	97.584	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1487473	140.122	ng	-0.01
45) 2-Fluorobiphenyl	13.063	172	5471106	87.541	ng	0.00
79) Terphenyl-d14	19.974	244	9058895	82.334	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.322	88	86456	8.530	ng	99
3) Pyridine	3.710	79	209800	7.415	ng	98
4) n-Nitrosodimethylamine	3.622	42	71997	8.465	ng	# 97
6) Aniline	7.134	93	306275	9.824	ng	99
8) 2-Chlorophenol	7.369	128	166416	8.424	ng	94
9) Benzaldehyde	6.946	77	210772	10.557	ng	98
10) Phenol	6.987	94	267109	8.272	ng	95
11) bis(2-Chloroethyl)ether	7.228	93	230999	8.454	ng	98
12) 1,3-Dichlorobenzene	7.698	146	187585	7.994	ng	98
13) 1,4-Dichlorobenzene	7.845	146	191872	8.098	ng	98
14) 1,2-Dichlorobenzene	8.157	146	184375	8.075	ng	99
15) Benzyl Alcohol	8.034	79	192268	8.593	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.322	45	224729	8.931	ng	99
17) 2-Methylphenol	8.234	107	164934	8.079	ng	99
18) Hexachloroethane	8.887	117	77376	8.144	ng	96
19) n-Nitroso-di-n-propyla...	8.604	70	189091	8.778	ng	97
20) 3+4-Methylphenols	8.551	107	222751	8.092	ng	98
22) Acetophenone	8.616	105	354486	8.296	ng	# 99
24) Nitrobenzene	8.992	77	256614	8.768	ng	100
25) Isophorone	9.516	82	541041	8.499	ng	99
26) 2-Nitrophenol	9.698	139	44502	10.266	ng	95
27) 2,4-Dimethylphenol	9.757	122	129545	8.246	ng	98
28) bis(2-Chloroethoxy)met...	9.998	93	320581	8.250	ng	99
29) 2,4-Dichlorophenol	10.234	162	142686	7.687	ng	99
30) 1,2,4-Trichlorobenzene	10.457	180	186522	7.838	ng	97
31) Naphthalene	10.645	128	583614	8.033	ng	98
32) Benzoic acid	9.810	122	42410	8.801	ng	95
33) 4-Chloroaniline	10.739	127	237970	8.719	ng	99
34) Hexachlorobutadiene	10.939	225	114468	7.639	ng	98
35) Caprolactam	11.475	113	64629	8.365	ng	95
36) 4-Chloro-3-methylphenol	11.857	107	198808	7.721	ng	98
37) 2-Methylnaphthalene	12.251	142	400170	8.070	ng	100
38) 1-Methylnaphthalene	12.475	142	385680	7.886	ng	99
40) 1,2,4,5-Tetrachloroben...	12.622	216	225883	8.083	ng	99
41) Hexachlorocyclopentadiene	12.604	237	75227	8.493	ng	96
43) 2,4,6-Trichlorophenol	12.851	196	114264	7.360	ng	97

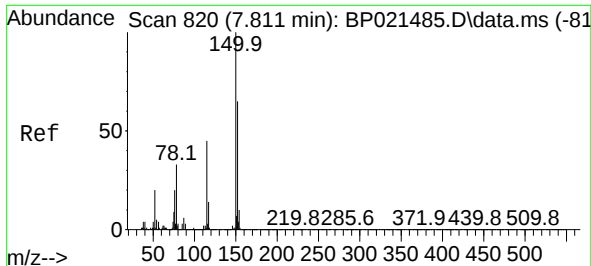
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	125280	7.263	ng	98
46) 1,1'-Biphenyl	13.269	154	558092	8.270	ng	97
47) 2-Chloronaphthalene	13.304	162	420239	7.999	ng	99
48) 2-Nitroaniline	13.492	65	92074	10.730	ng	99
49) Acenaphthylene	14.163	152	671003	8.688	ng	99
50) Dimethylphthalate	13.886	163	541292	8.474	ng	99
51) 2,6-Dinitrotoluene	14.004	165	81169	9.761	ng	90
52) Acenaphthene	14.510	154	405912	8.010	ng	99
53) 3-Nitroaniline	14.327	138	85104	10.131	ng #	87
54) 2,4-Dinitrophenol	14.533	184	19155	9.873	ng #	49
55) Dibenzofuran	14.851	168	668714	8.578	ng	99
56) 4-Nitrophenol	14.627	139	64596	10.789	ng	90
57) 2,4-Dinitrotoluene	14.798	165	91701	10.032	ng	92
58) Fluorene	15.510	166	531047	8.292	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.080	232	114594	7.828	ng	97
60) Diethylphthalate	15.280	149	539152	8.226	ng	99
61) 4-Chlorophenyl-phenyle...	15.510	204	273847	8.272	ng	98
62) 4-Nitroaniline	15.510	138	87930	9.274	ng	87
63) Azobenzene	15.810	77	721146	8.951	ng	98
65) 4,6-Dinitro-2-methylph...	15.574	198	29747	10.300	ng	93
66) n-Nitrosodiphenylamine	15.722	169	465154	8.100	ng	99
67) 4-Bromophenyl-phenylether	16.416	248	166083	7.323	ng	97
68) Hexachlorobenzene	16.539	284	205401	7.663	ng	97
69) Atrazine	16.686	200	164492	8.343	ng	99
70) Pentachlorophenol	16.886	266	86609	5.920	ng	98
71) Phenanthrene	17.292	178	860328	8.348	ng	99
72) Anthracene	17.380	178	835993	8.271	ng	99
73) Carbazole	17.657	167	780024	8.008	ng	100
74) Di-n-butylphthalate	18.268	149	913190	7.634	ng	99
75) Fluoranthene	19.374	202	994401	7.864	ng	99
77) Benzidine	19.557	184	379103	10.498	ng	99
78) Pyrene	19.745	202	1055257	7.553	ng	99
80) Butylbenzylphthalate	20.698	149	302034	8.871	ng	92
81) Benzo(a)anthracene	21.674	228	1091842	8.137	ng	100
82) 3,3'-Dichlorobenzidine	21.586	252	359508	8.356	ng	98
83) Chrysene	21.745	228	1020889	8.058	ng	99
84) Bis(2-ethylhexyl)phtha...	21.639	149	568059	7.163	ng	99
85) Di-n-octyl phthalate	22.951	149	792775	9.953	ng	98
87) Indeno(1,2,3-cd)pyrene	28.944	276	950096	6.164	ng #	92
88) Benzo(b)fluoranthene	24.015	252	1036730	7.592	ng	99
89) Benzo(k)fluoranthene	24.092	252	1035127	7.771	ng	99
90) Benzo(a)pyrene	24.945	252	927501	7.827	ng	99
91) Dibenzo(a,h)anthracene	29.062	278	985531	7.696	ng	99
92) Benzo(g,h,i)perylene	30.133	276	951757	7.415	ng	99

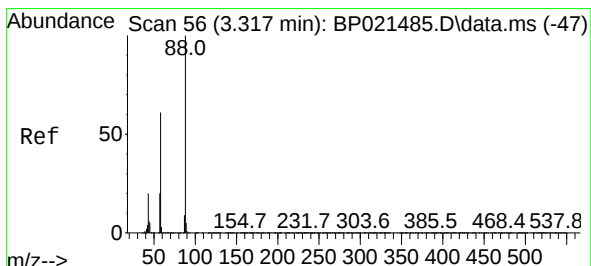
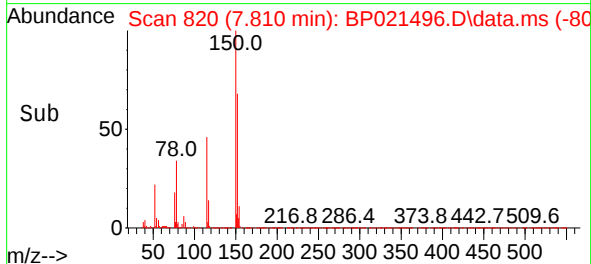
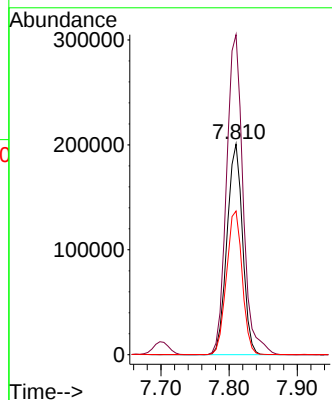
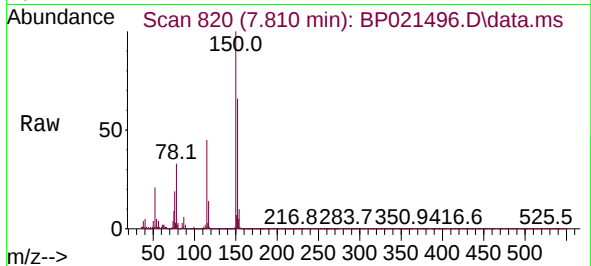
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021496.D
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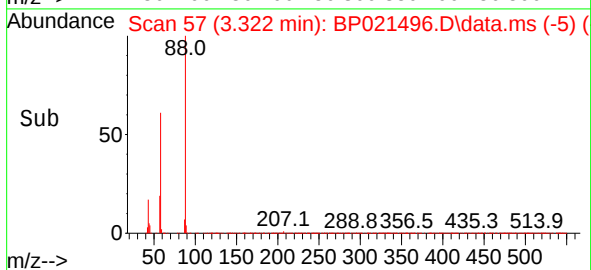
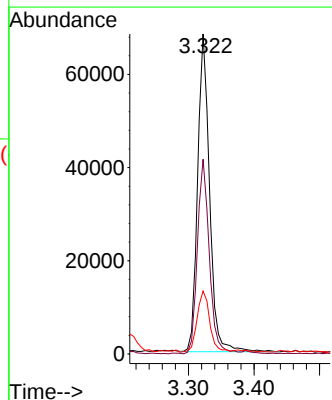
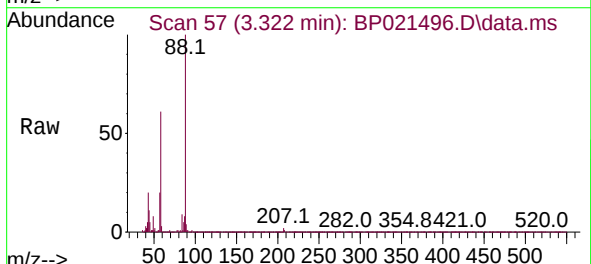
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

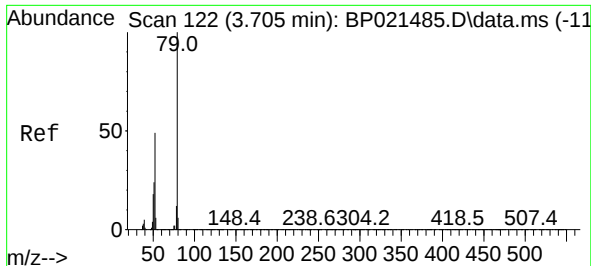
Tgt Ion:152 Resp: 317412
Ion Ratio Lower Upper
152 100
150 151.9 122.4 183.6
115 68.2 54.7 82.1



#2
1,4-Dioxane
Concen: 8.530 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 88 Resp: 86456
Ion Ratio Lower Upper
88 100
58 61.2 48.7 73.1
43 20.4 15.4 23.2

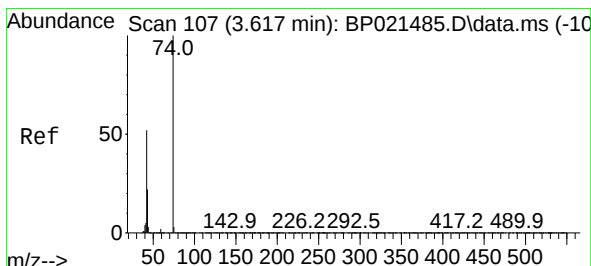
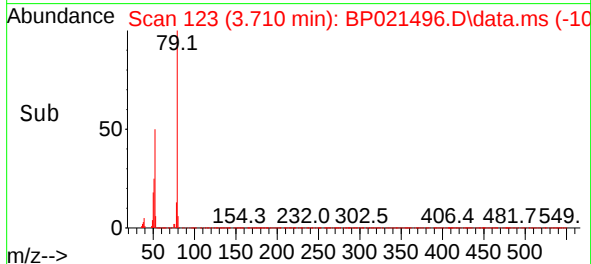
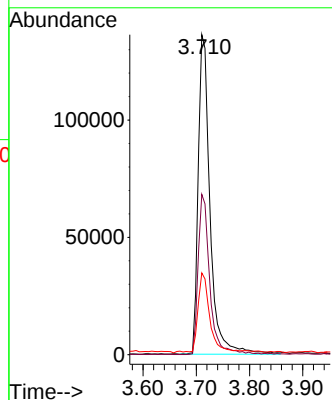
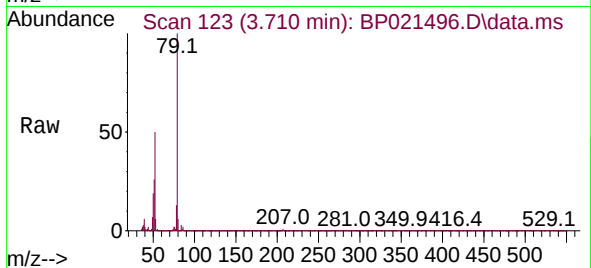




#3
Pyridine
Concen: 7.415 ng
RT: 3.710 min Scan# 11
Delta R.T. 0.005 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

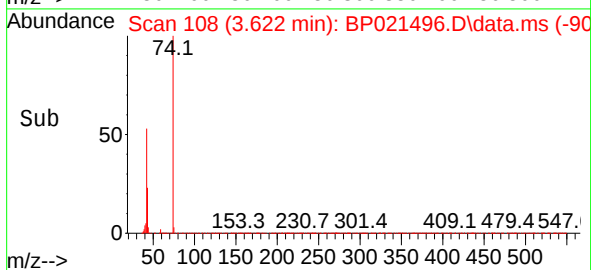
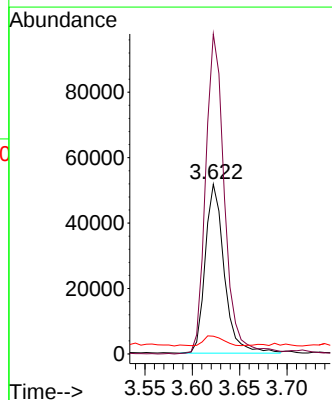
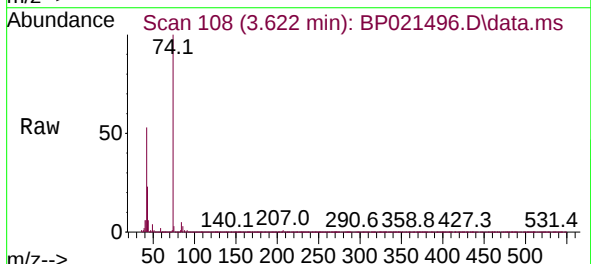
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

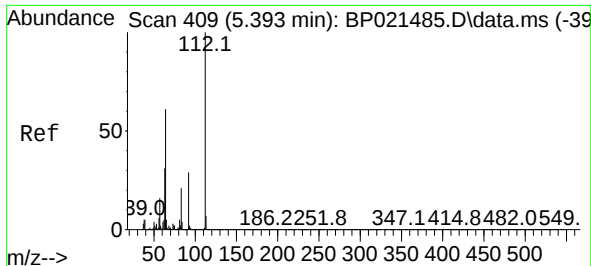
Tgt Ion: 79 Resp: 209800
Ion Ratio Lower Upper
79 100
52 50.1 39.0 58.6
51 25.6 19.2 28.8



#4
n-Nitrosodimethylamine
Concen: 8.465 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 42 Resp: 71997
Ion Ratio Lower Upper
42 100
74 188.4 154.3 231.5
44 10.5 6.2 9.4#

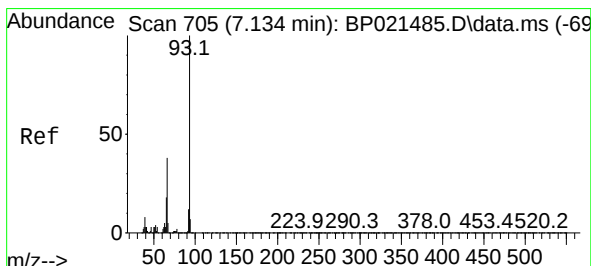
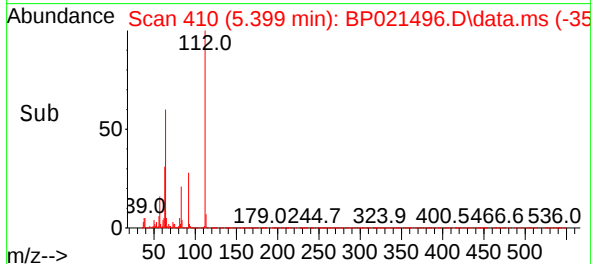
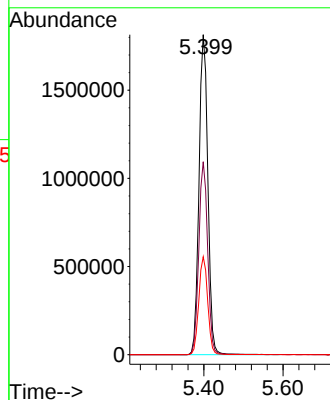
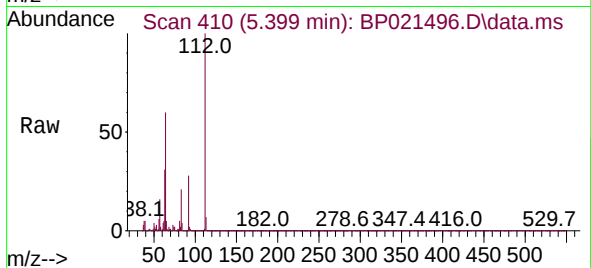




#5
2-Fluorophenol
Concen: 131.323 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.005 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

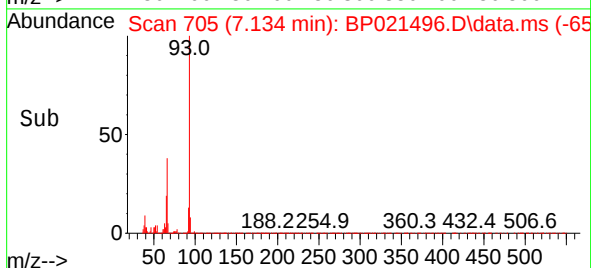
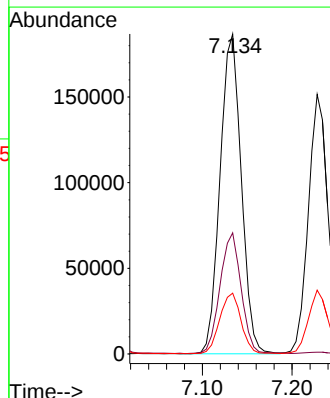
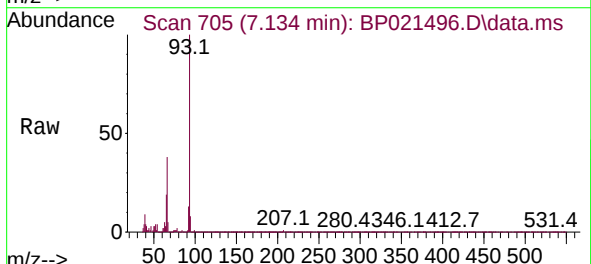
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

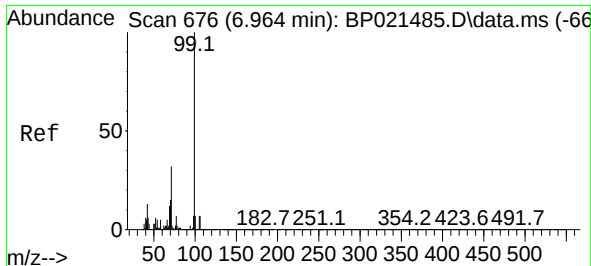
Tgt Ion:112 Resp: 2807226
Ion Ratio Lower Upper
112 100
64 60.3 49.0 73.6
63 30.6 24.6 36.8



#6
Aniline
Concen: 9.824 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 93 Resp: 306275
Ion Ratio Lower Upper
93 100
66 37.9 30.2 45.2
65 19.0 14.7 22.1





#7

Phenol-d6

Concen: 130.551 ng

RT: 6.963 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

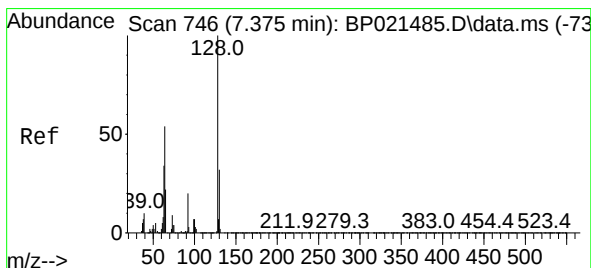
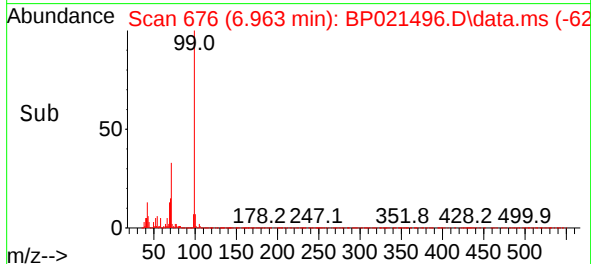
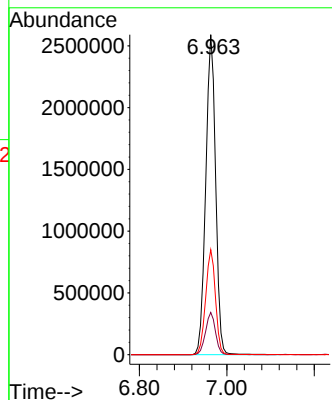
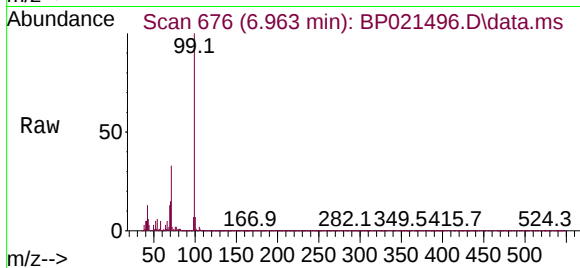
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 99 Resp: 4071026

Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.2	15.4
71	32.8	25.8	38.8



#8

2-Chlorophenol

Concen: 8.424 ng

RT: 7.369 min Scan# 745

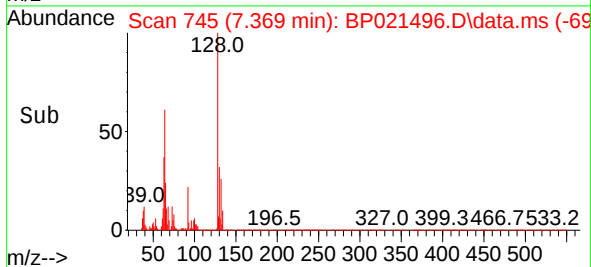
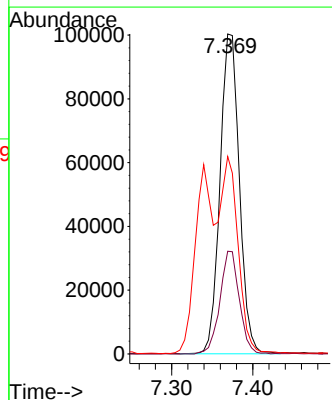
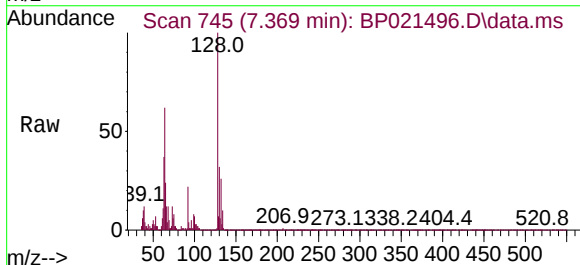
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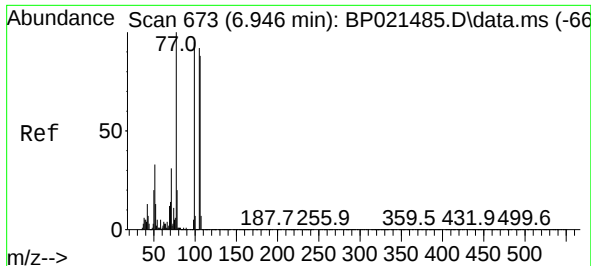
Lab File: BP021496.D

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Tgt Ion:128 Resp: 166416

Ion	Ratio	Lower	Upper
128	100		
130	32.1	11.6	51.6
64	61.7	35.3	75.3

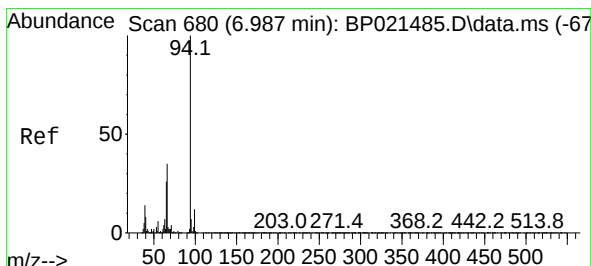
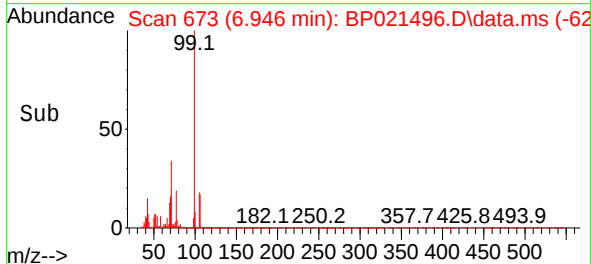
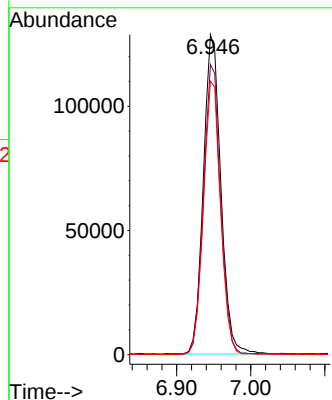
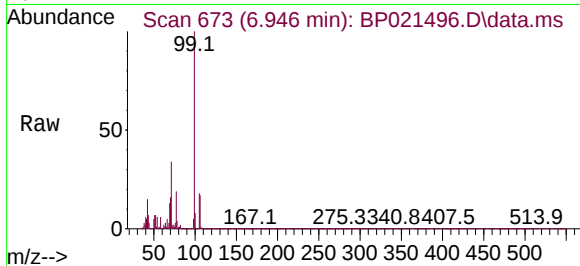




#9
Benzaldehyde
Concen: 10.557 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

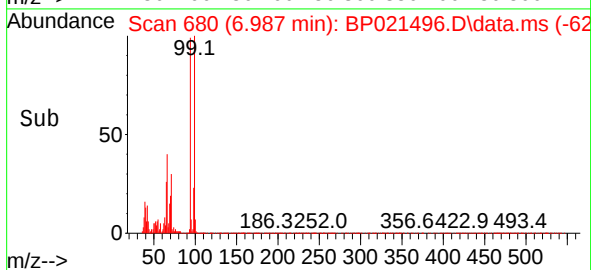
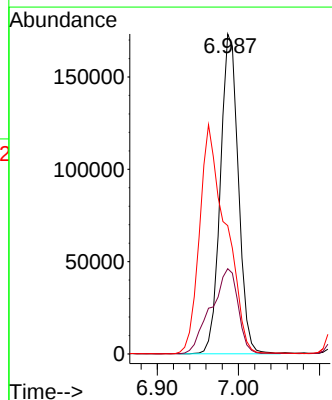
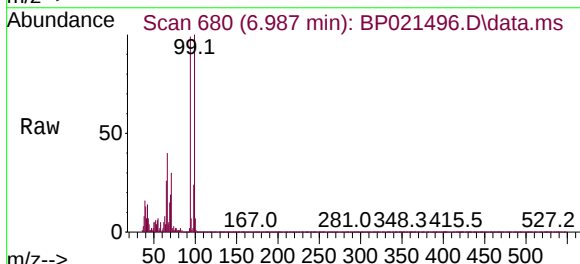
Instrument :
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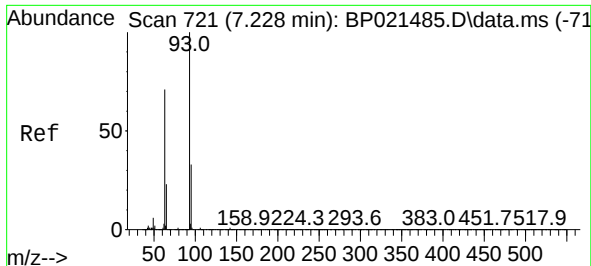
Tgt Ion: 77 Resp: 210772
Ion Ratio Lower Upper
77 100
105 90.7 72.1 112.1
106 85.5 67.9 107.9



#10
Phenol
Concen: 8.272 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 94 Resp: 267109
Ion Ratio Lower Upper
94 100
65 26.7 6.5 46.5
66 40.1 14.7 54.7

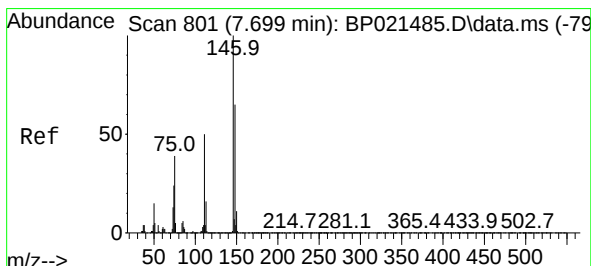
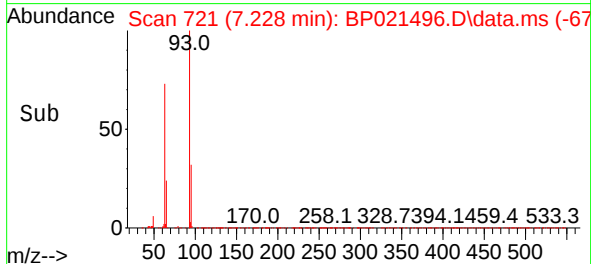
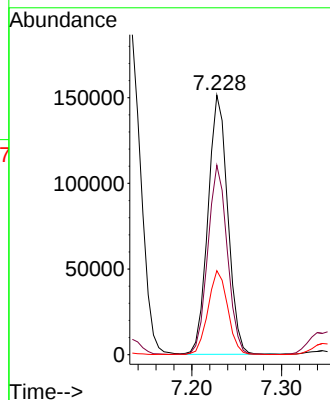
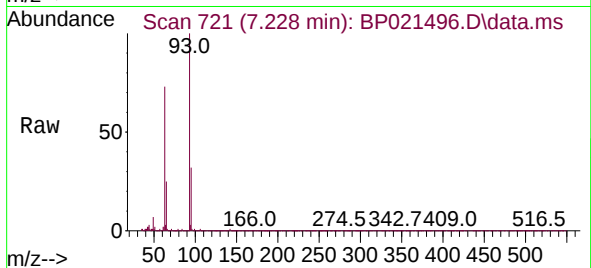




#11
bis(2-Chloroethyl)ether
Concen: 8.454 ng
RT: 7.228 min Scan# 721
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

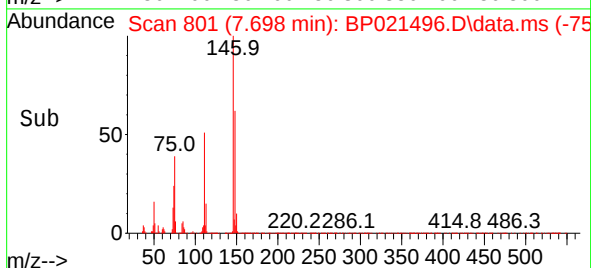
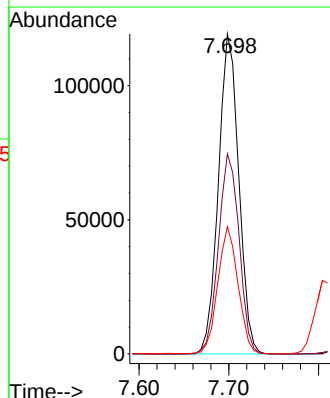
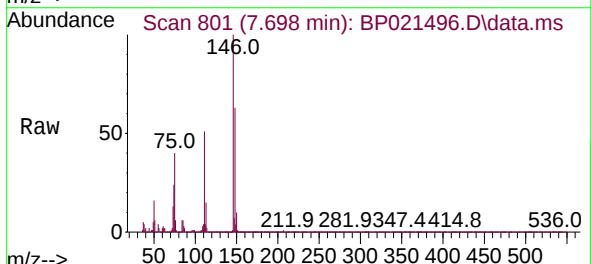
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

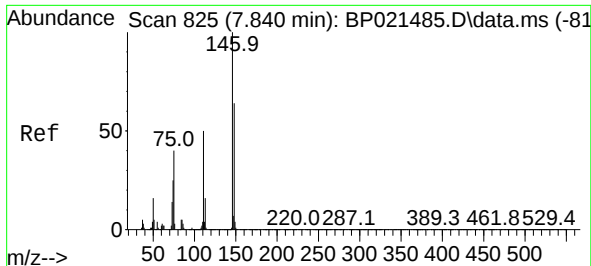
Tgt Ion: 93 Resp: 230999
Ion Ratio Lower Upper
93 100
63 73.0 51.0 91.0
95 32.4 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 7.994 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 146 Resp: 187585
Ion Ratio Lower Upper
146 100
148 62.5 51.8 77.6
75 39.8 31.3 46.9

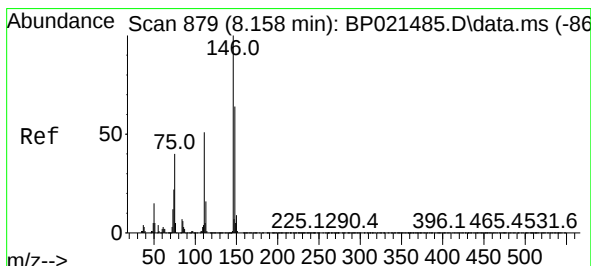
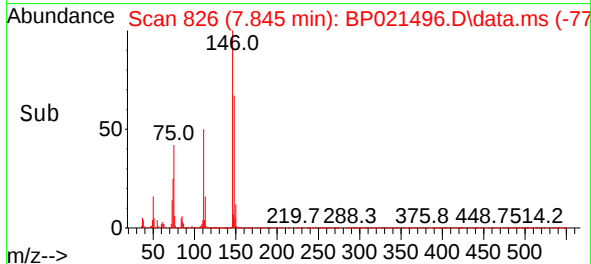
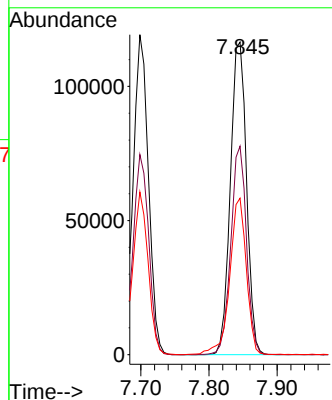
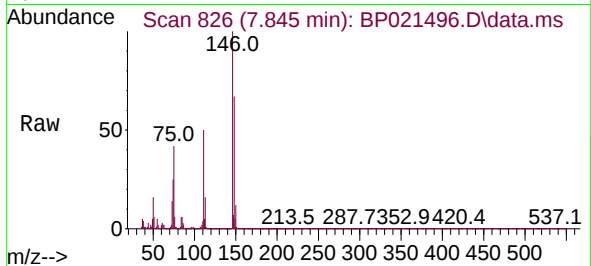




#13
1,4-Dichlorobenzene
Concen: 8.098 ng
RT: 7.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

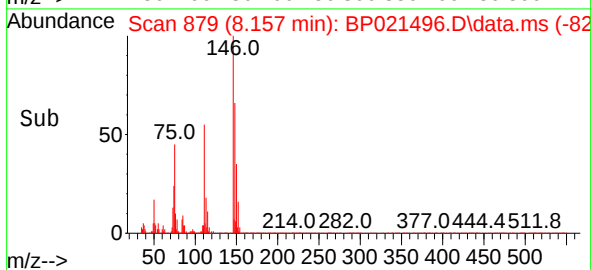
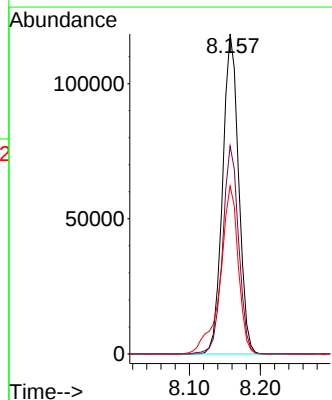
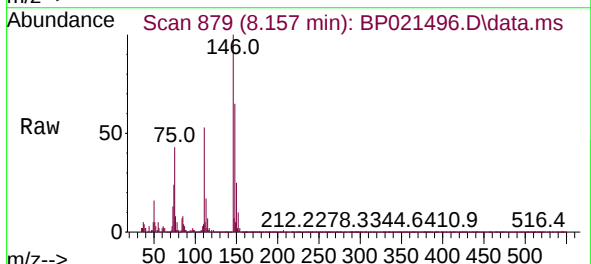
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

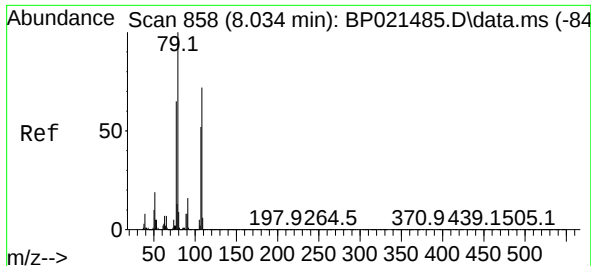
Tgt Ion:146 Resp: 191872
Ion Ratio Lower Upper
146 100
148 66.7 51.5 77.3
111 50.1 40.3 60.5



#14
1,2-Dichlorobenzene
Concen: 8.075 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:146 Resp: 184375
Ion Ratio Lower Upper
146 100
148 65.0 51.5 77.3
111 52.5 41.1 61.7

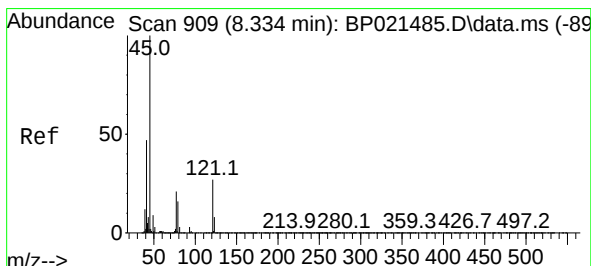
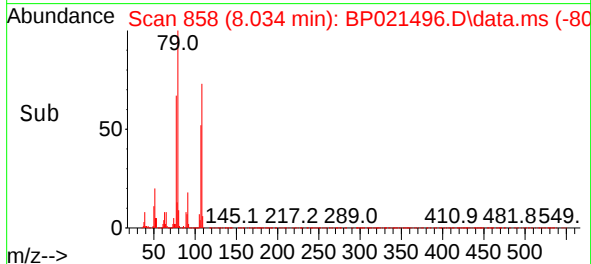
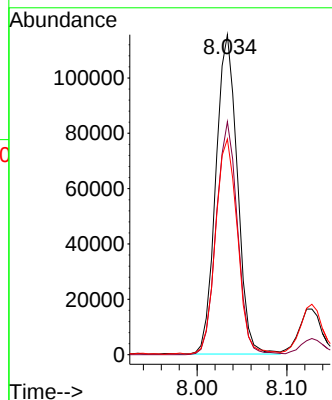
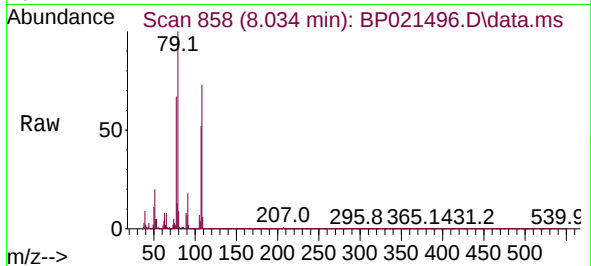




#15
Benzyl Alcohol
Concen: 8.593 ng
RT: 8.034 min Scan# 858
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

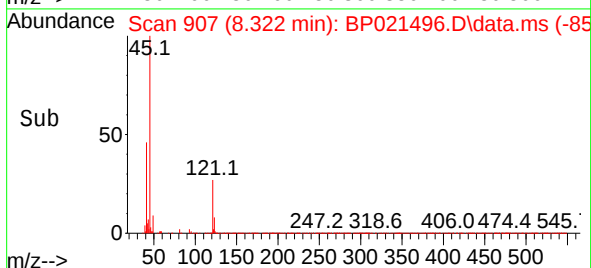
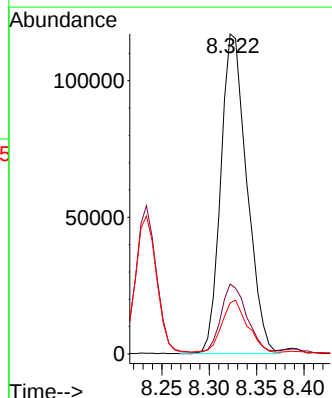
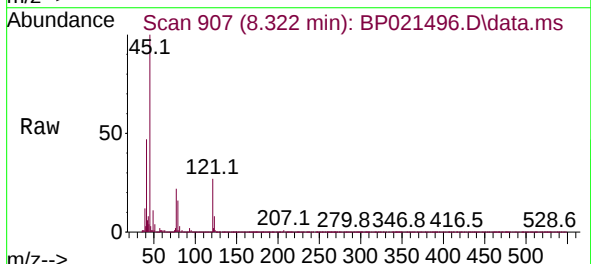
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

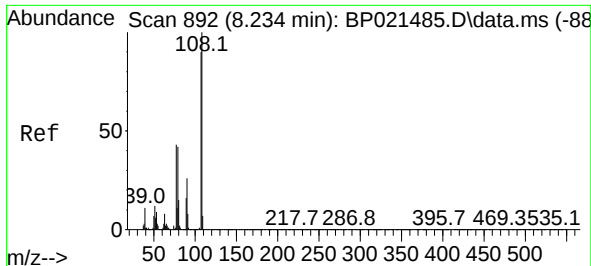
Tgt Ion: 79 Resp: 192268
Ion Ratio Lower Upper
79 100
108 72.8 57.9 86.9
77 67.4 51.8 77.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.931 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 45 Resp: 224729
Ion Ratio Lower Upper
45 100
77 21.9 1.9 41.9
79 15.9 0.0 36.6

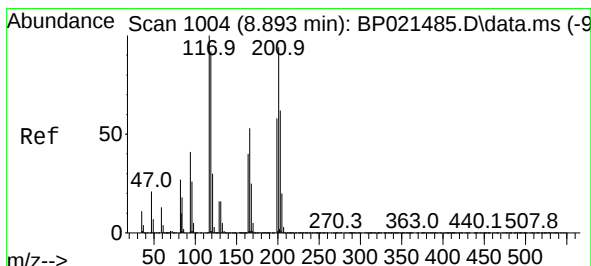
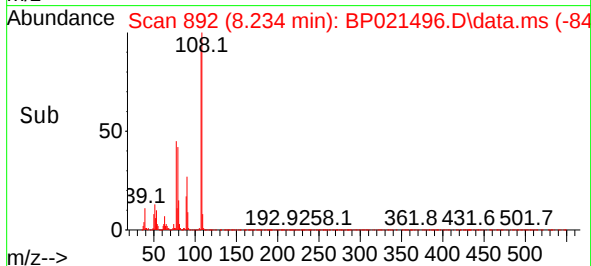
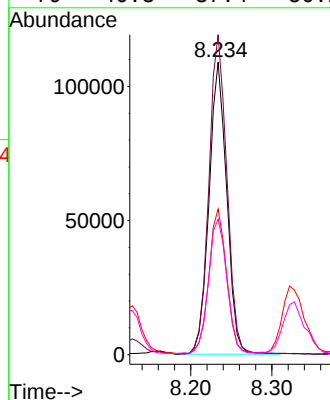
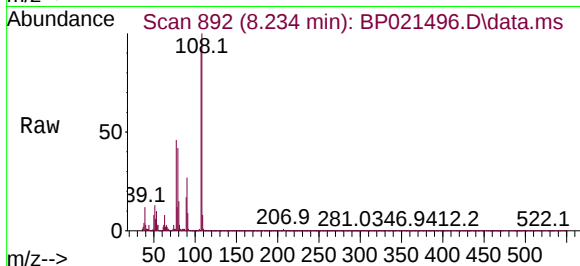




#17
2-Methylphenol
Concen: 8.079 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

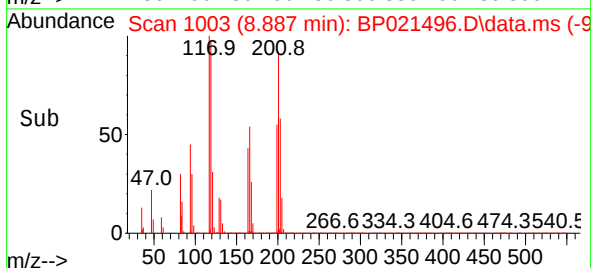
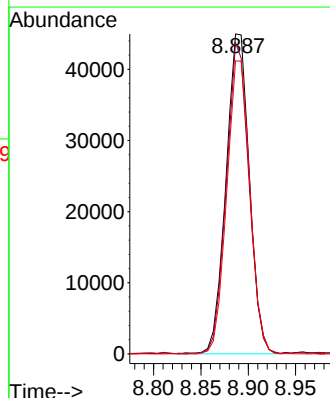
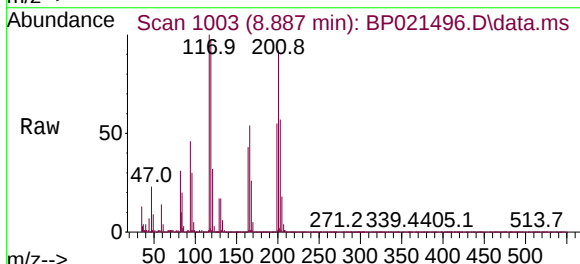
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

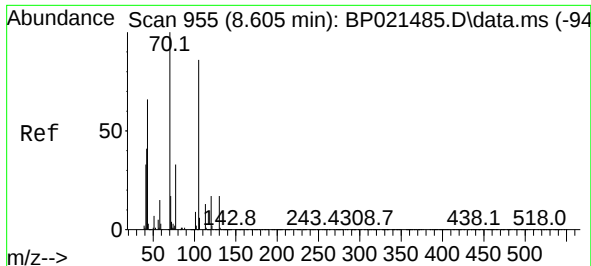
Tgt Ion:	107	Resp:	164934
Ion	Ratio	Lower	Upper
107	100		
108	109.4	88.8	133.2
77	49.8	38.7	58.1
79	46.3	37.4	56.2



#18
Hexachloroethane
Concen: 8.144 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:	117	Resp:	77376
Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.9	110.9
201	91.6	74.9	112.3





#19

n-Nitroso-di-n-propylamine

Concen: 8.778 ng

RT: 8.604 min Scan# 947

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 70 Resp: 189091

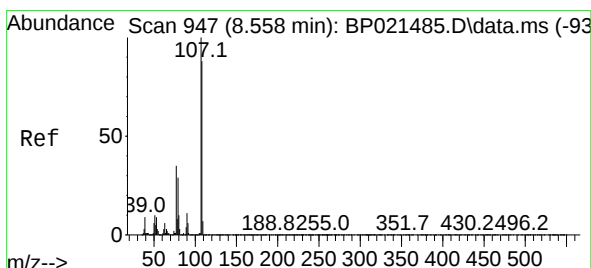
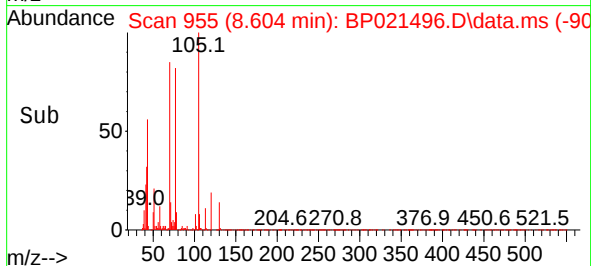
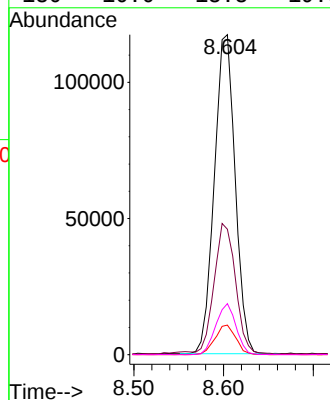
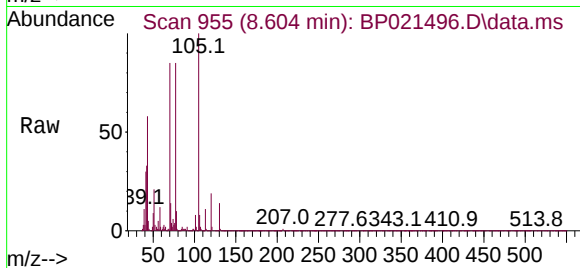
Ion Ratio Lower Upper

70 100

42 39.2 33.1 49.7

101 9.2 7.4 11.2

130 16.0 13.3 19.9



#20

3+4-Methylphenols

Concen: 8.092 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion: 107 Resp: 222751

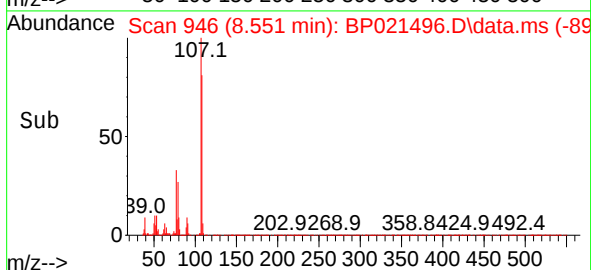
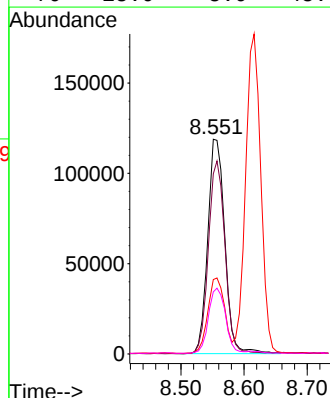
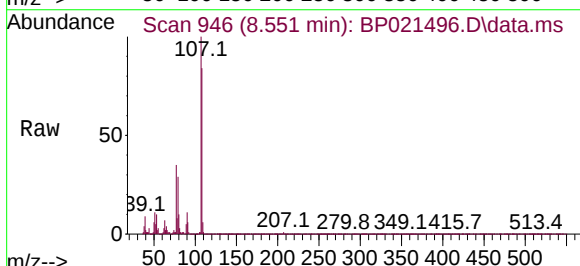
Ion Ratio Lower Upper

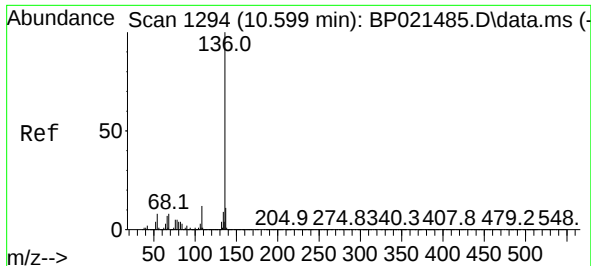
107 100

108 83.9 67.6 107.6

77 34.7 15.0 55.0

79 28.9 8.9 48.9

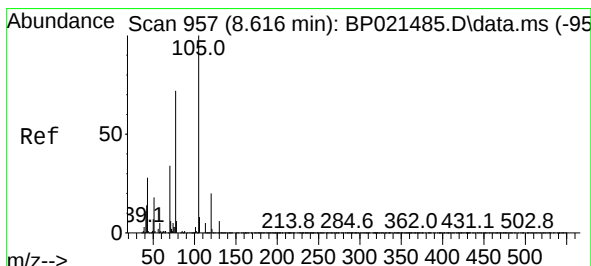
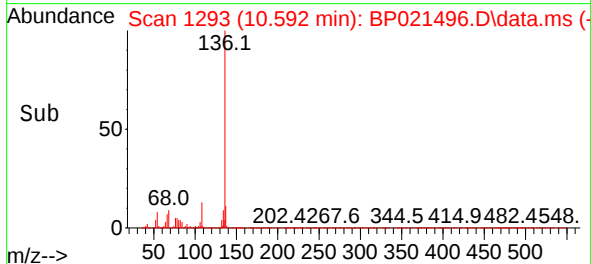
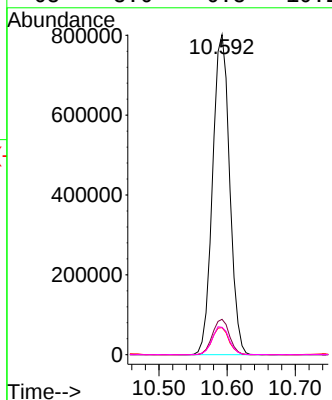
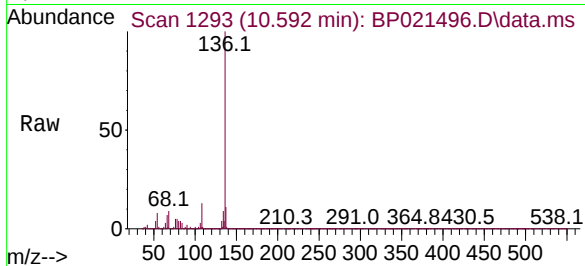




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.592 min Scan# 11
Delta R.T. -0.007 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

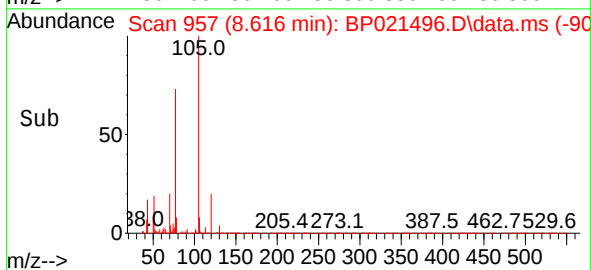
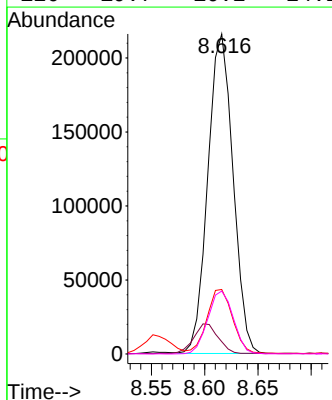
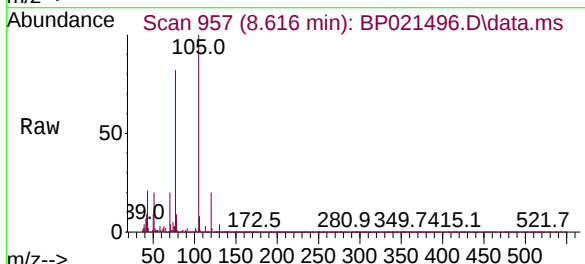
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

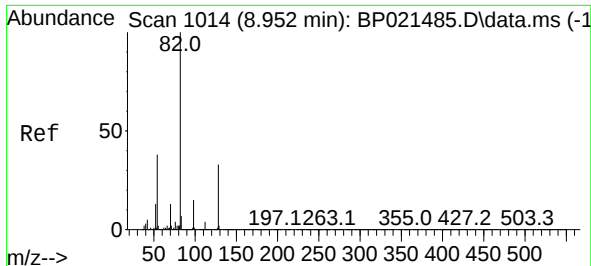
Tgt Ion:136 Resp: 1390807
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 6.3 9.5
68 8.6 6.8 10.2



#22
Acetophenone
Concen: 8.296 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:105 Resp: 354486
Ion Ratio Lower Upper
105 100
71 3.8 4.6 7.0#
51 20.2 16.3 24.5
120 19.7 16.2 24.2

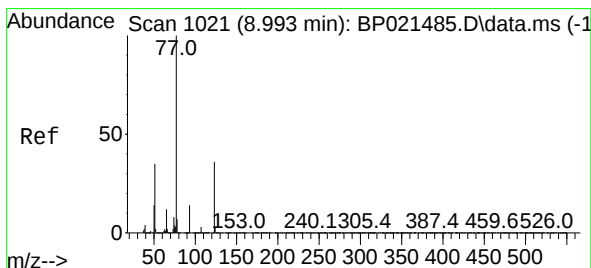
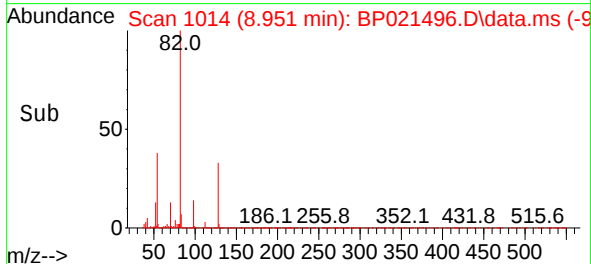
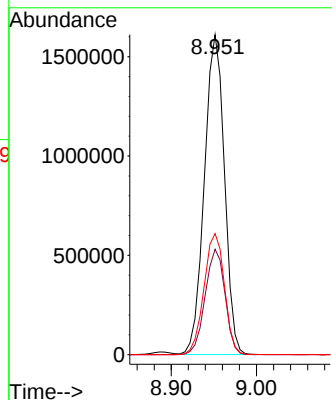
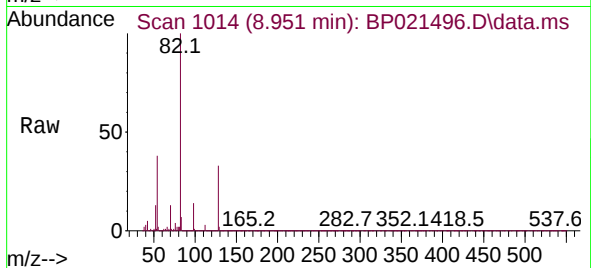




#23
Nitrobenzene-d5
Concen: 97.584 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

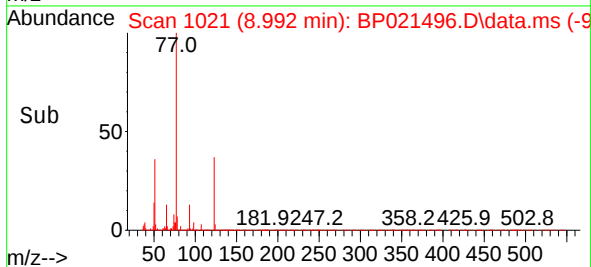
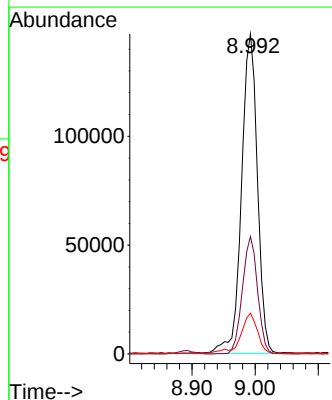
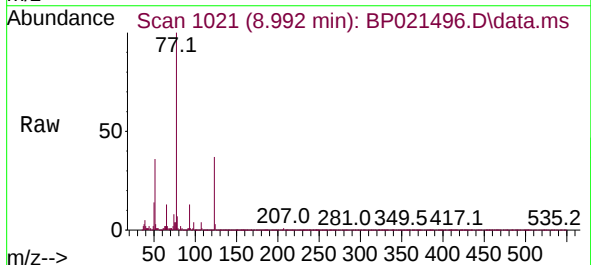
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

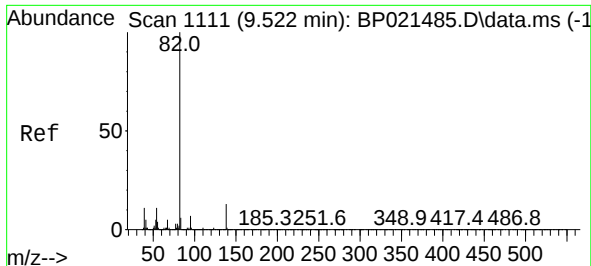
Tgt Ion: 82 Resp: 2629464
Ion Ratio Lower Upper
82 100
128 33.0 26.5 39.7
54 37.9 30.3 45.5



#24
Nitrobenzene
Concen: 8.768 ng
RT: 8.992 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 77 Resp: 256614
Ion Ratio Lower Upper
77 100
123 36.7 29.5 44.3
65 12.7 9.9 14.9

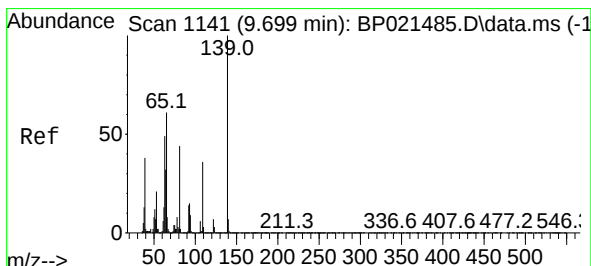
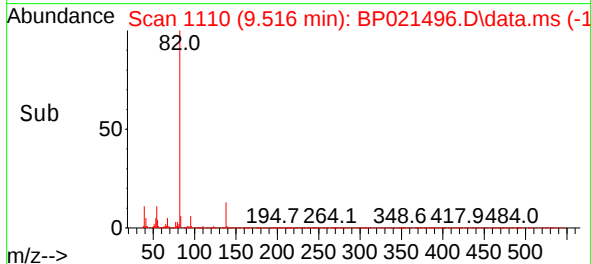
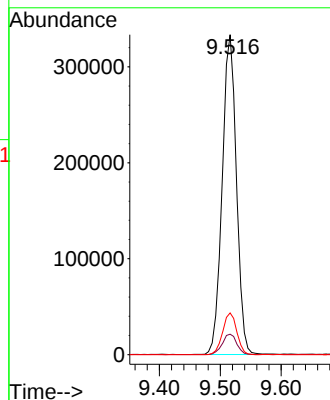
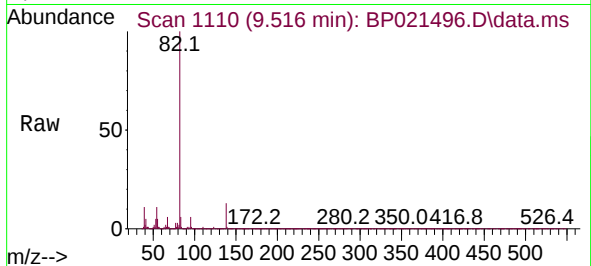




#25
Isophorone
Concen: 8.499 ng
RT: 9.516 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

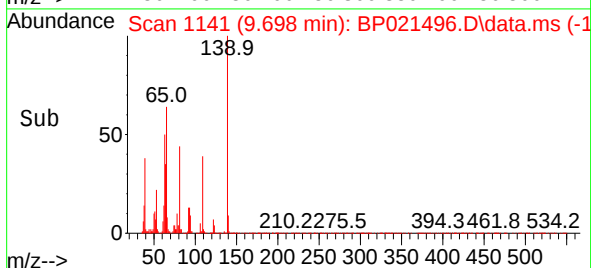
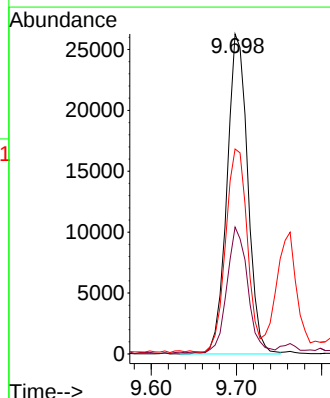
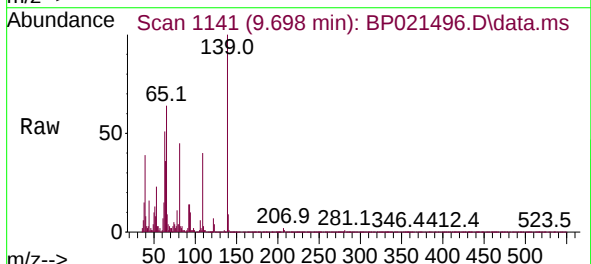
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

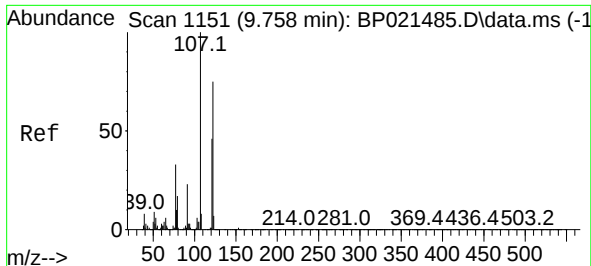
Tgt Ion: 82 Resp: 541041
Ion Ratio Lower Upper
82 100
95 6.4 5.4 8.2
138 13.0 10.6 16.0



#26
2-Nitrophenol
Concen: 10.266 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 139 Resp: 44502
Ion Ratio Lower Upper
139 100
109 39.7 28.9 43.3
65 64.1 49.0 73.6

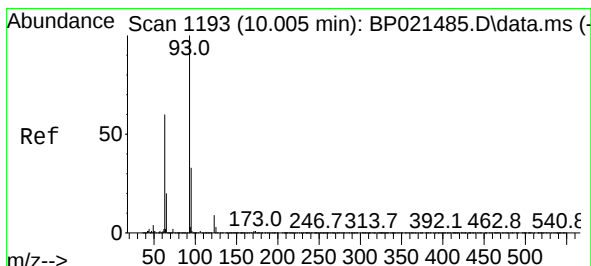
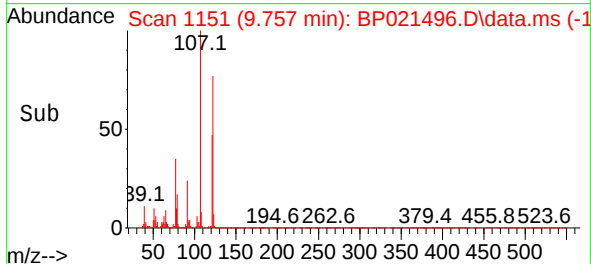
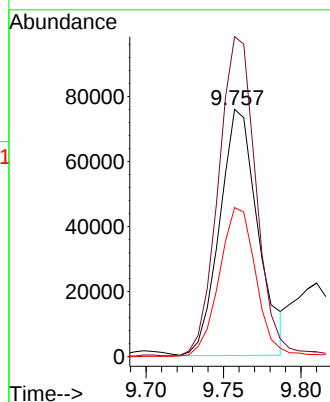
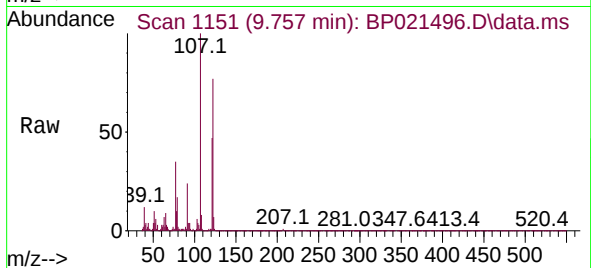




#27
2,4-Dimethylphenol
Concen: 8.246 ng
RT: 9.757 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

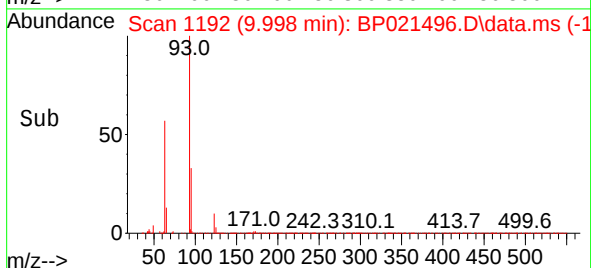
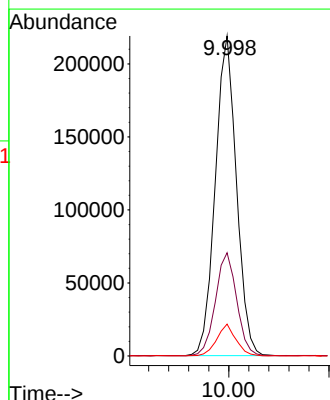
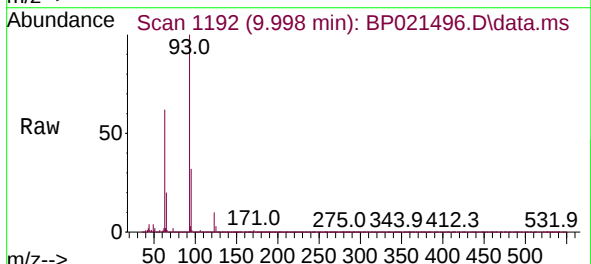
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

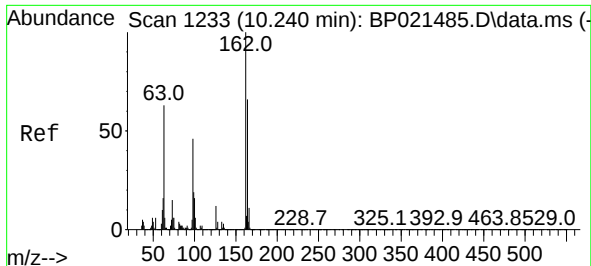
Tgt Ion:122 Resp: 129545
Ion Ratio Lower Upper
122 100
107 129.4 106.2 159.4
121 60.3 48.8 73.2



#28
bis(2-Chloroethoxy)methane
Concen: 8.250 ng
RT: 9.998 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion: 93 Resp: 320581
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.4
123 9.9 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 7.687 ng

RT: 10.234 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

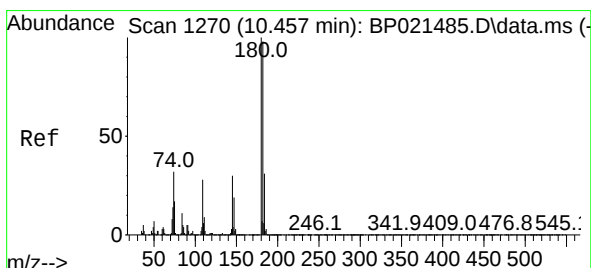
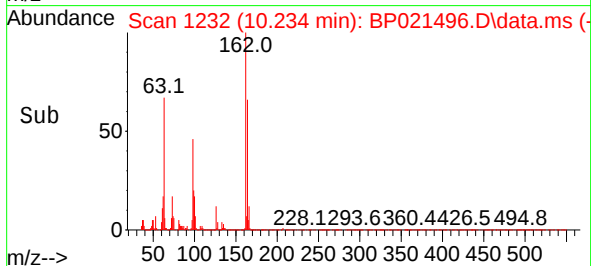
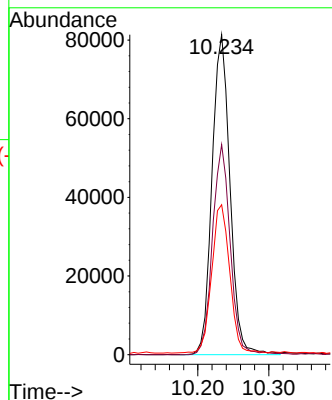
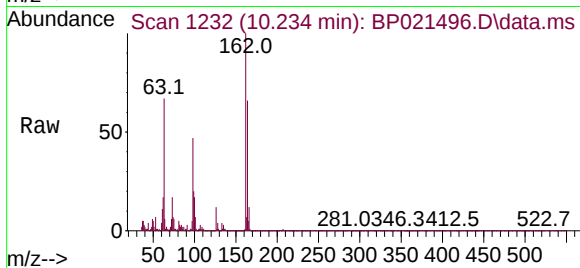
Tgt Ion:162 Resp: 142686

Ion Ratio Lower Upper

162 100

164 65.7 45.9 85.9

98 46.8 26.3 66.3



#30

1,2,4-Trichlorobenzene

Concen: 7.838 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

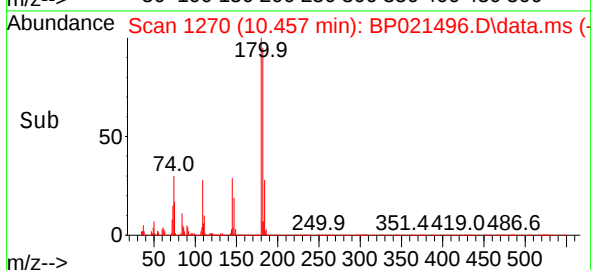
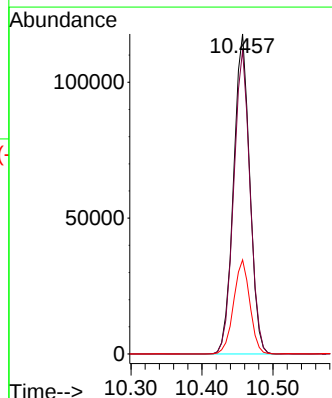
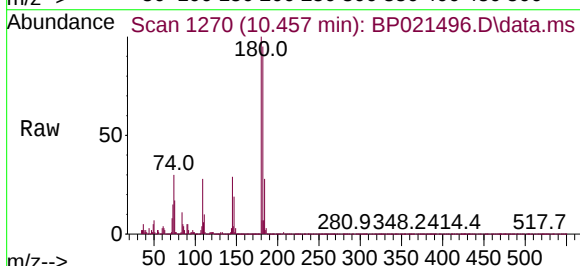
Tgt Ion:180 Resp: 186522

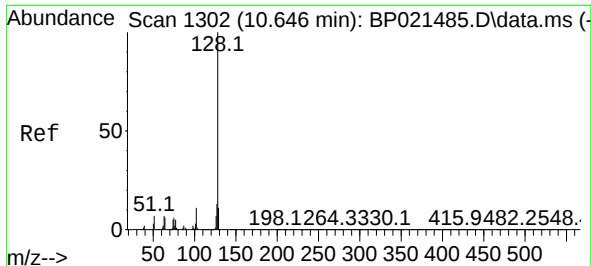
Ion Ratio Lower Upper

180 100

182 94.9 78.3 117.5

145 29.4 24.0 36.0

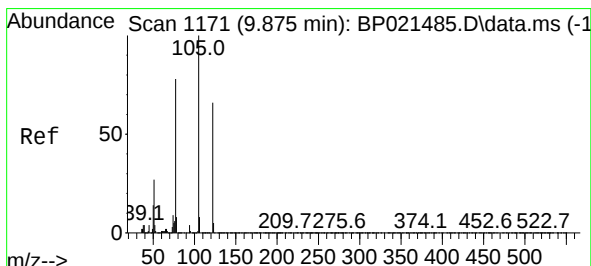
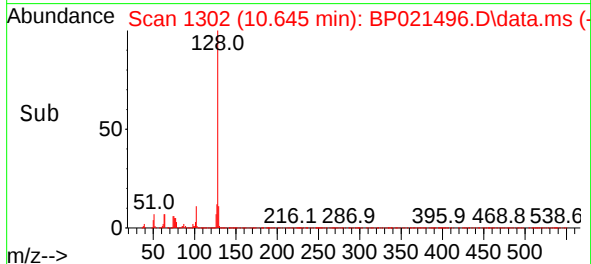
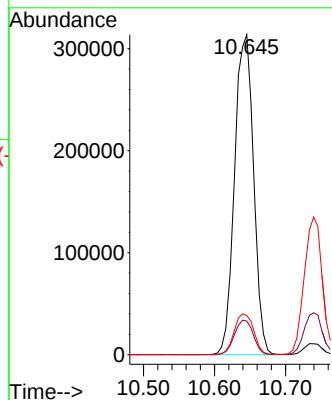
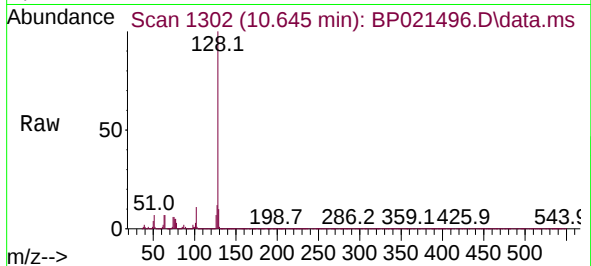




#31
Naphthalene
Concen: 8.033 ng
RT: 10.645 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

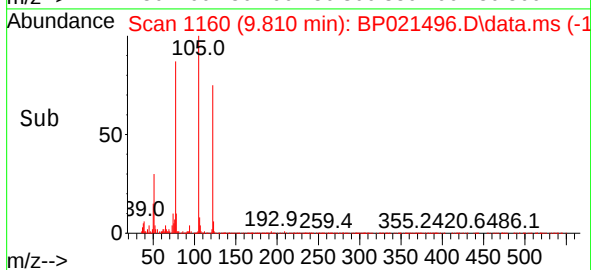
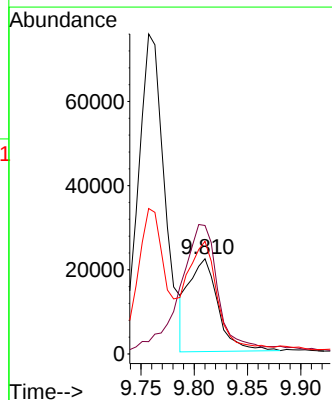
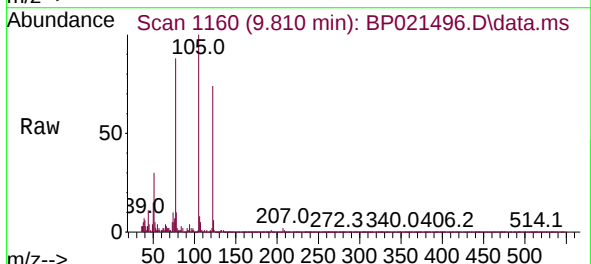
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

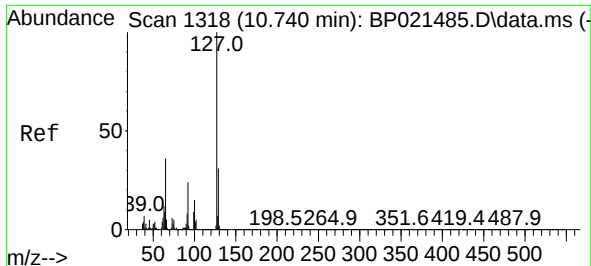
Tgt Ion:128 Resp: 583614
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.3 10.6 15.8



#32
Benzoic acid
Concen: 8.801 ng
RT: 9.810 min Scan# 1160
Delta R.T. -0.065 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:122 Resp: 42410
Ion Ratio Lower Upper
122 100
105 135.0 124.6 164.6
77 118.4 96.2 136.2





#33

4-Chloroaniline

Concen: 8.719 ng

RT: 10.739 min Scan# 1318

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:127 Resp: 237970

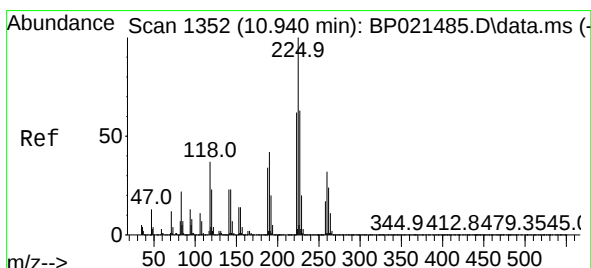
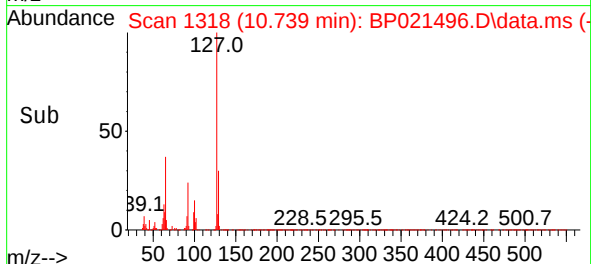
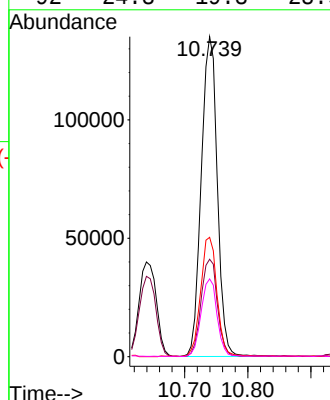
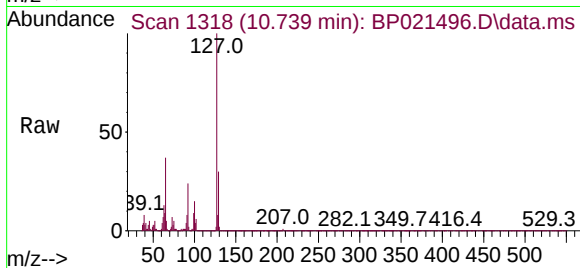
Ion Ratio Lower Upper

127 100

129 30.5 24.5 36.7

65 37.3 28.9 43.3

92 24.3 19.3 28.9



#34

Hexachlorobutadiene

Concen: 7.639 ng

RT: 10.939 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

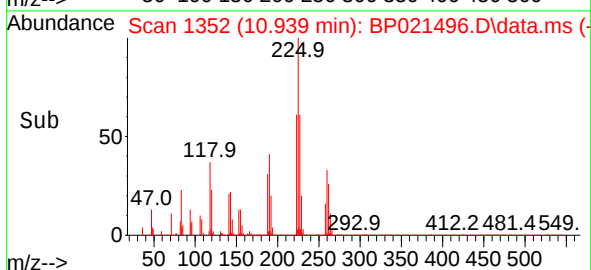
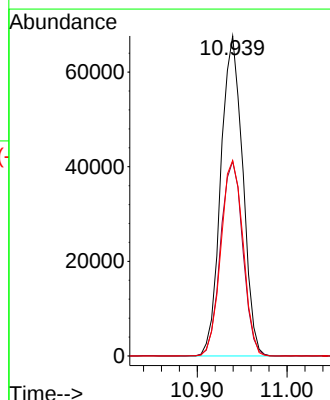
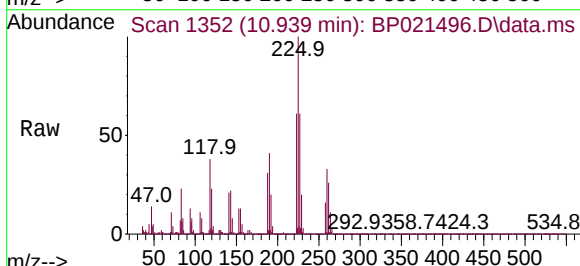
Tgt Ion:225 Resp: 114468

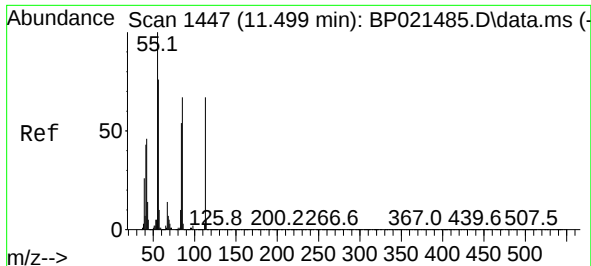
Ion Ratio Lower Upper

225 100

223 60.9 49.6 74.4

227 61.1 50.1 75.1





#35

Caprolactam

Concen: 8.365 ng

RT: 11.475 min Scan# 1447

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

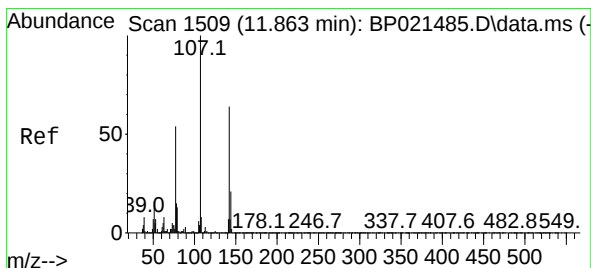
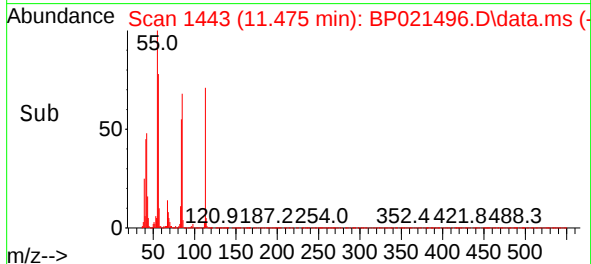
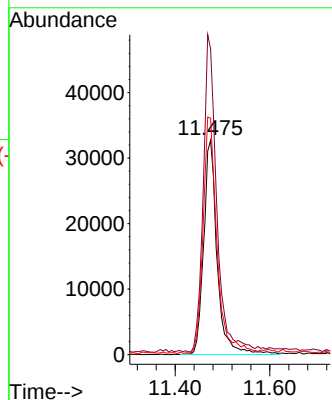
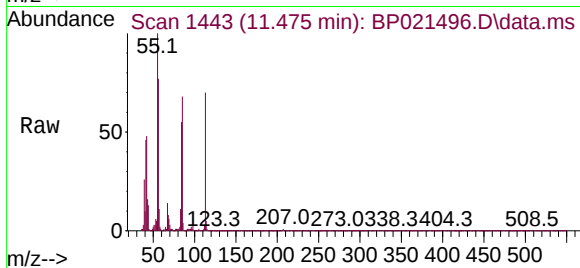
Tgt Ion:113 Resp: 64629

Ion Ratio Lower Upper

113 100

55 142.6 130.6 170.6

56 110.2 94.6 134.6



#36

4-Chloro-3-methylphenol

Concen: 7.721 ng

RT: 11.857 min Scan# 1508

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

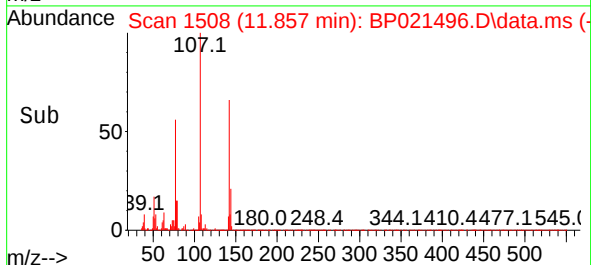
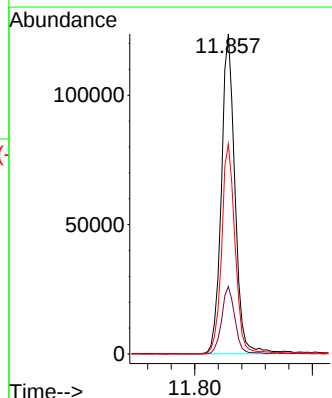
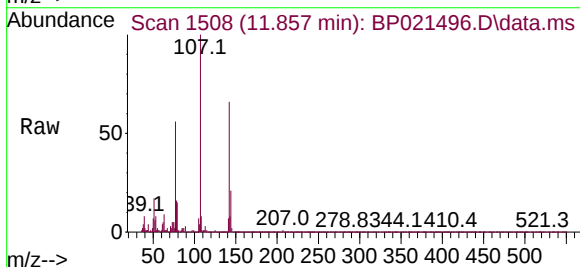
Tgt Ion:107 Resp: 198808

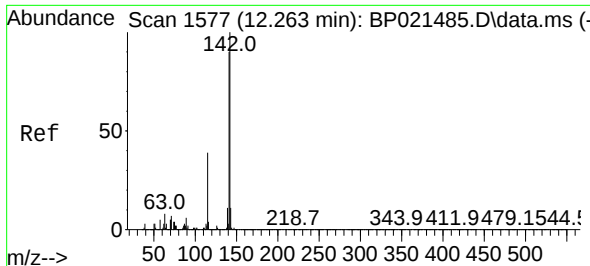
Ion Ratio Lower Upper

107 100

144 21.1 16.6 24.8

142 65.7 51.0 76.4

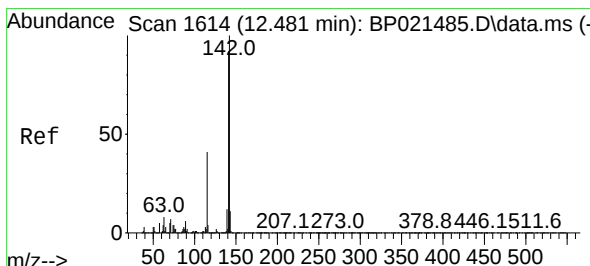
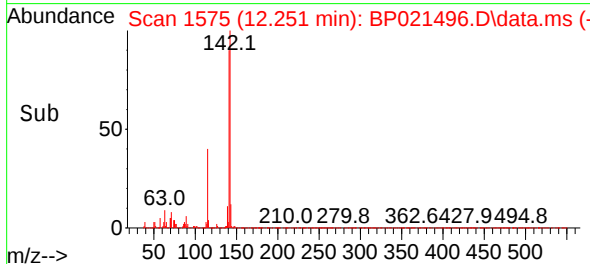
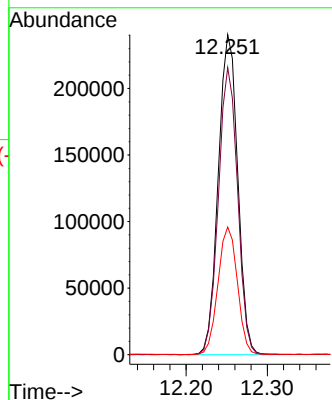
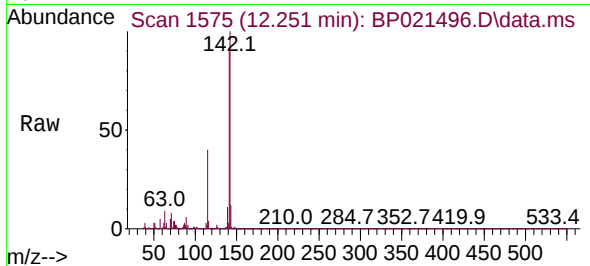




#37
2-Methylnaphthalene
Concen: 8.070 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

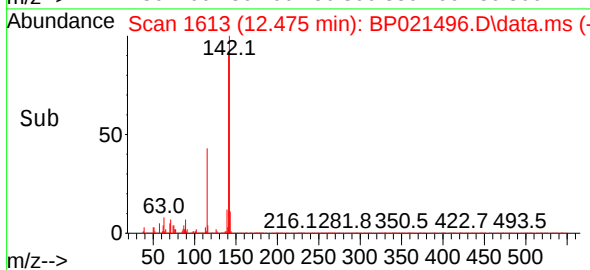
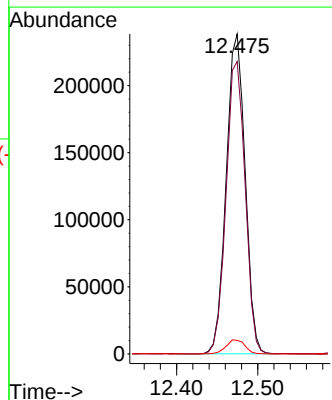
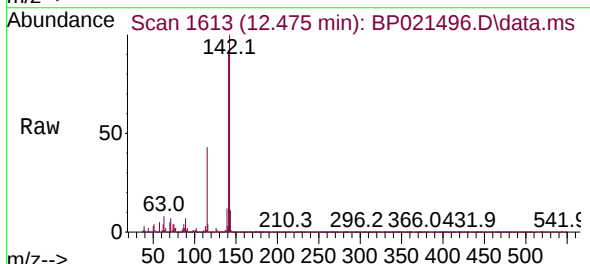
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

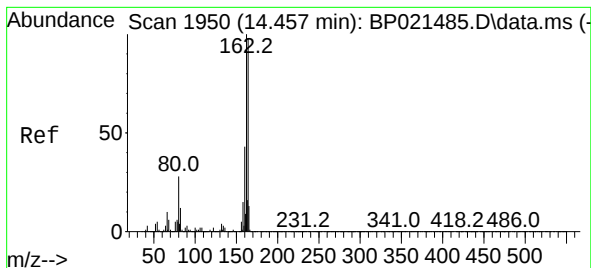
Tgt Ion:142 Resp: 400170
Ion Ratio Lower Upper
142 100
141 89.7 71.7 107.5
115 39.9 31.4 47.2



#38
1-Methylnaphthalene
Concen: 7.886 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:142 Resp: 385680
Ion Ratio Lower Upper
142 100
141 91.4 73.5 110.3
116 4.2 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

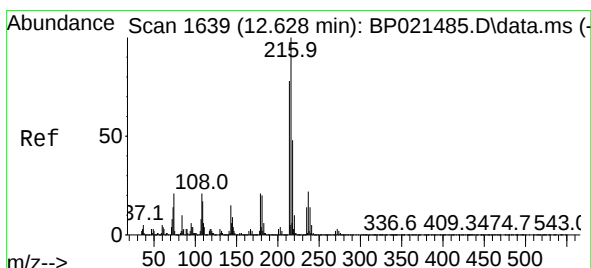
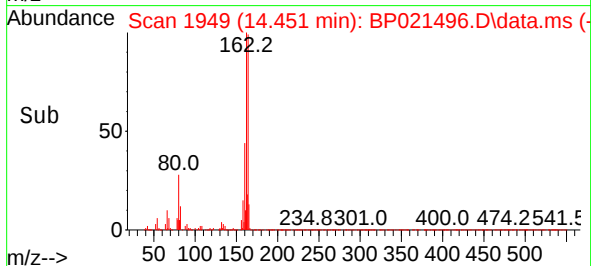
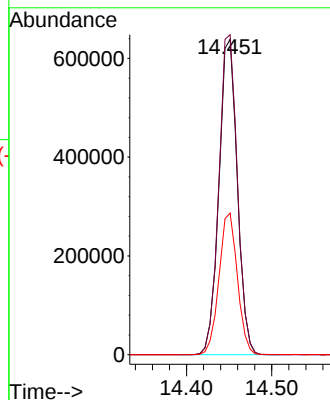
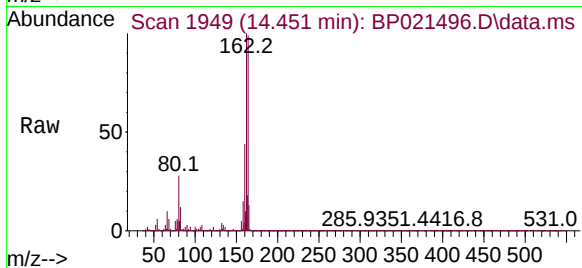
Tgt Ion:164 Resp: 953814

Ion Ratio Lower Upper

164 100

162 101.5 81.5 122.3

160 44.9 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.083 ng

RT: 12.622 min Scan# 1638

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:216 Resp: 225883

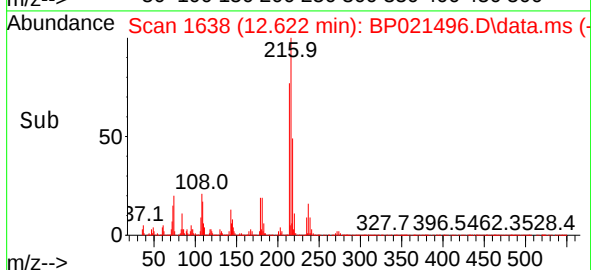
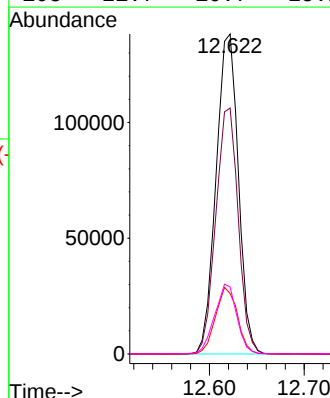
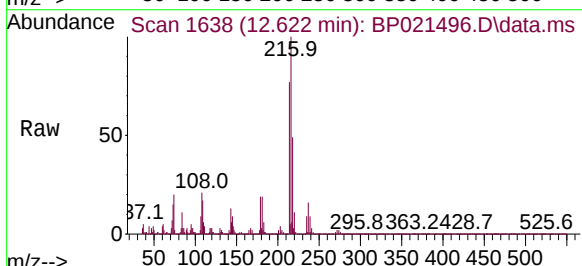
Ion Ratio Lower Upper

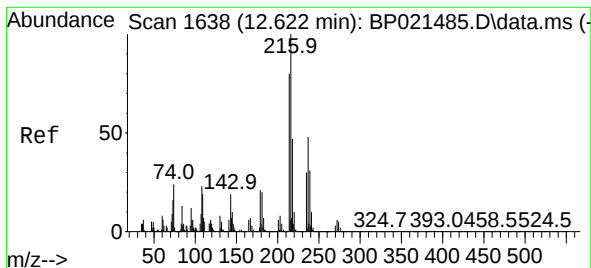
216 100

214 77.2 62.5 93.7

179 20.6 16.4 24.6

108 21.7 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 8.493 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

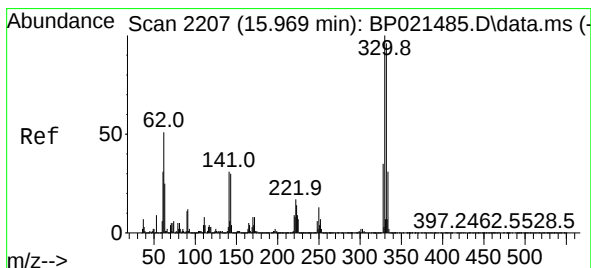
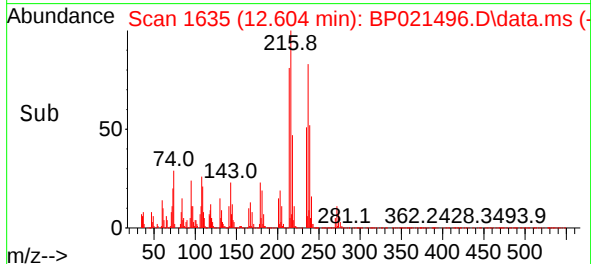
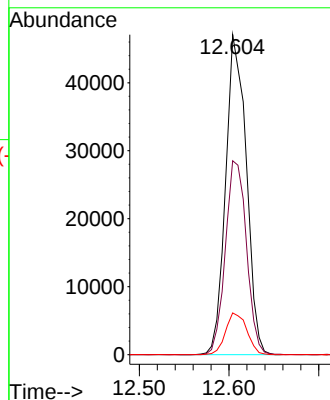
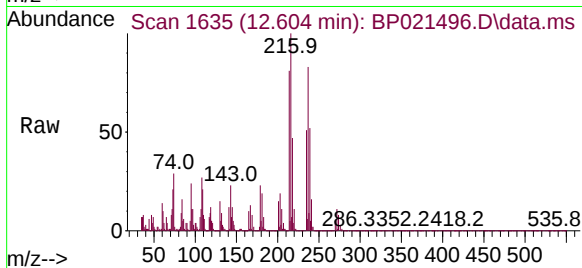
Tgt Ion:237 Resp: 75227

Ion Ratio Lower Upper

237 100

235 60.6 43.9 83.9

272 13.1 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 140.122 ng

RT: 15.957 min Scan# 2205

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

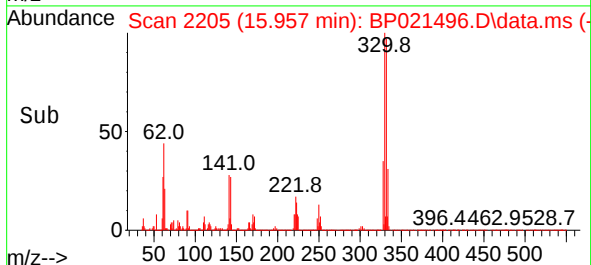
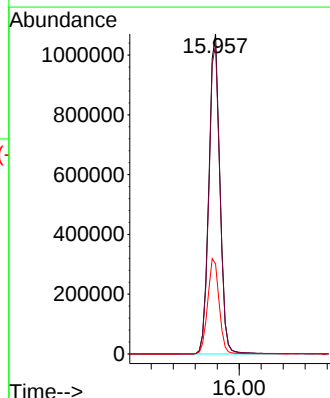
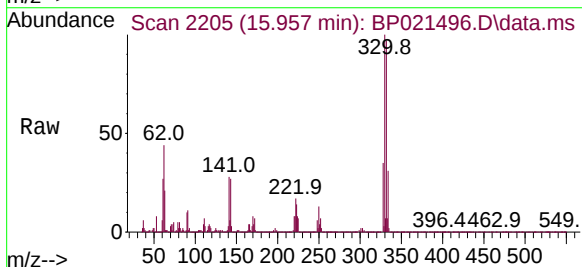
Tgt Ion:330 Resp: 1487473

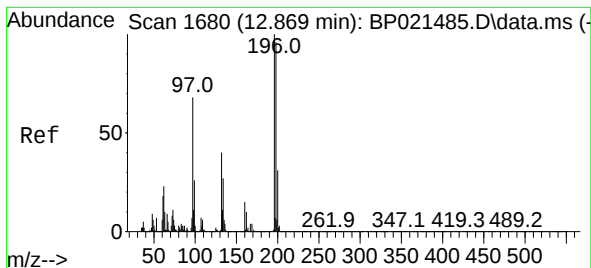
Ion Ratio Lower Upper

330 100

332 97.2 77.4 116.0

141 30.9 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 7.360 ng

RT: 12.851 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

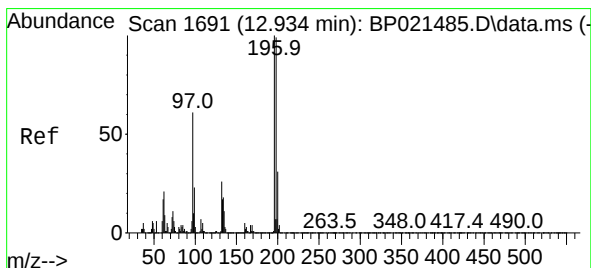
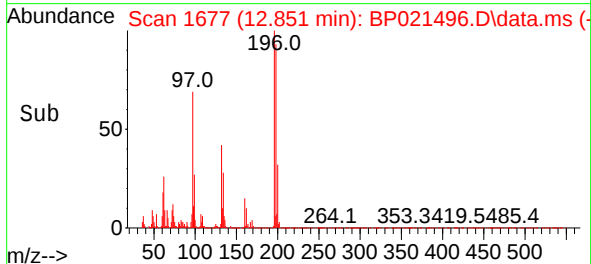
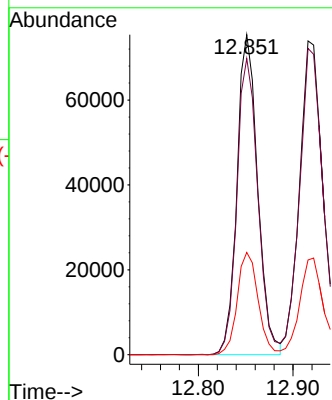
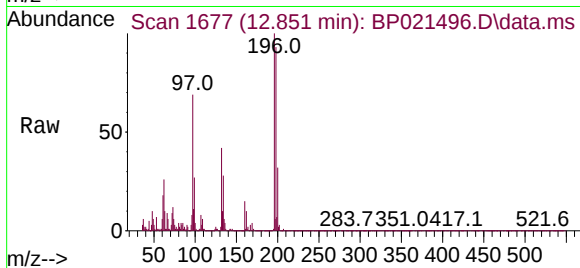
Tgt Ion:196 Resp: 114264

Ion Ratio Lower Upper

196 100

198 92.6 76.6 114.8

200 31.9 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 7.263 ng

RT: 12.916 min Scan# 1688

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:196 Resp: 125280

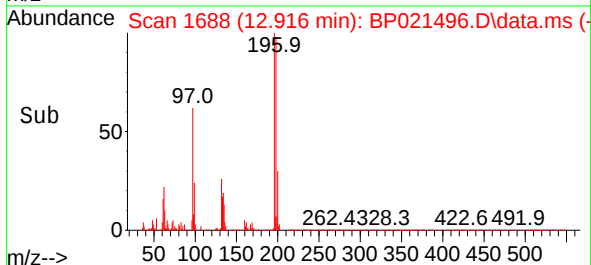
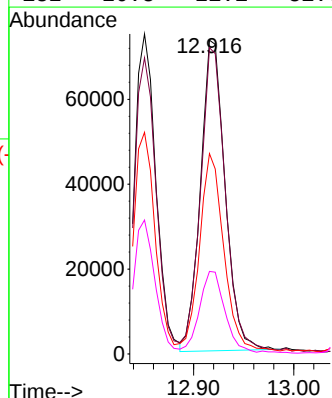
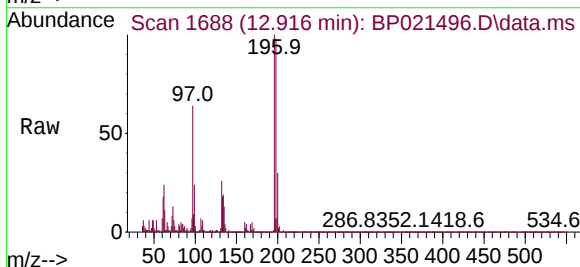
Ion Ratio Lower Upper

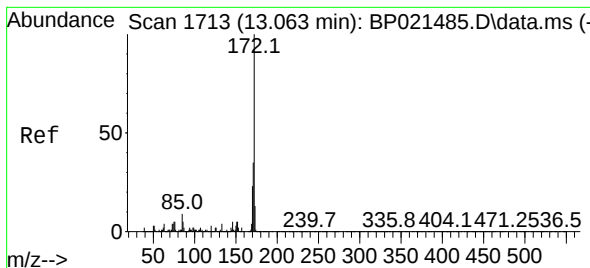
196 100

198 97.6 78.9 118.3

97 63.9 49.4 74.0

132 26.3 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 87.541 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

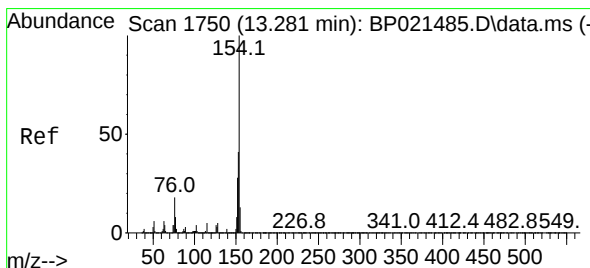
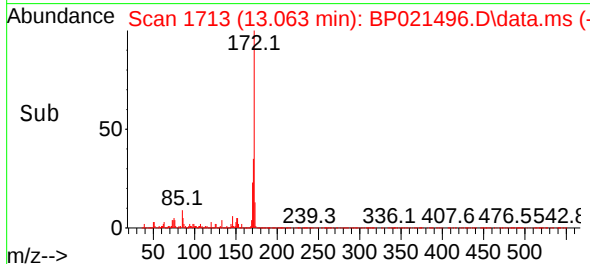
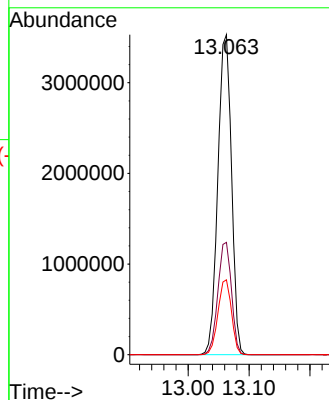
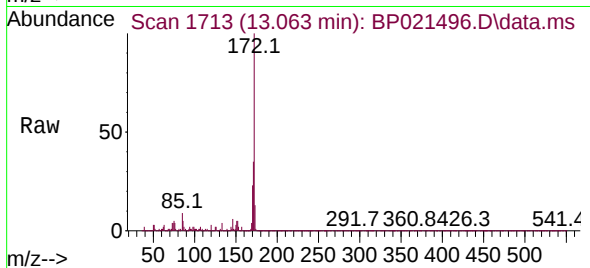
Tgt Ion:172 Resp: 5471106

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.4 18.4 27.6



#46

1,1'-Biphenyl

Concen: 8.270 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

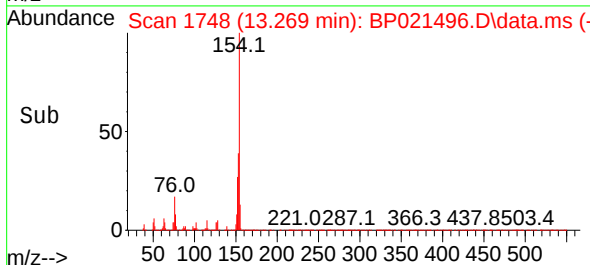
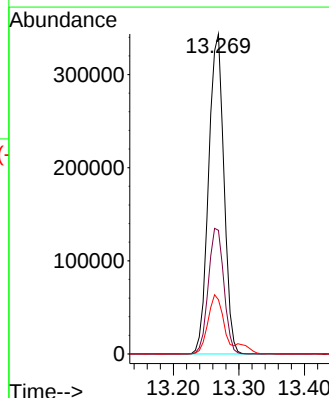
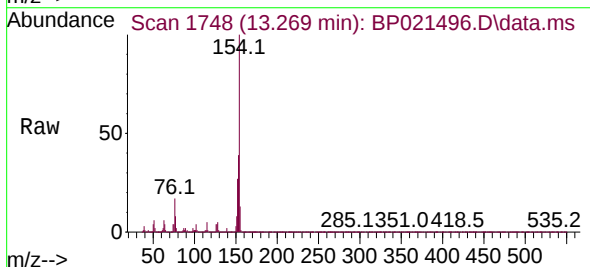
Tgt Ion:154 Resp: 558092

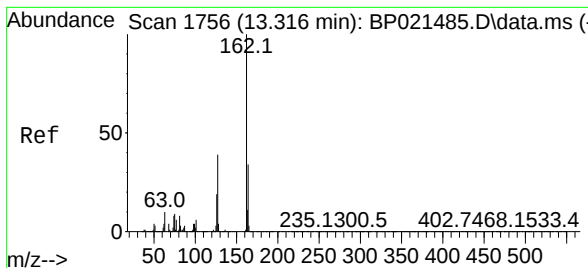
Ion Ratio Lower Upper

154 100

153 38.7 20.7 60.7

76 16.9 0.0 37.7





#47

2-Chloronaphthalene

Concen: 7.999 ng

RT: 13.304 min Scan# 1756

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

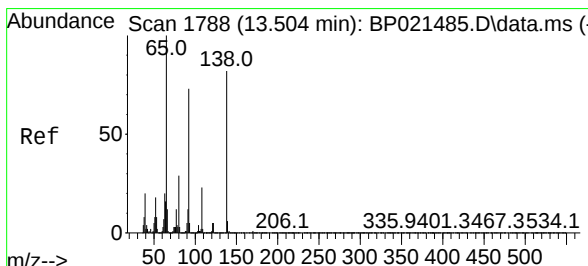
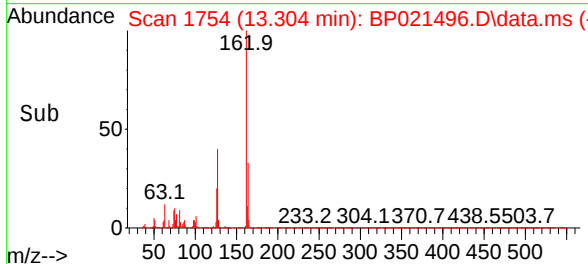
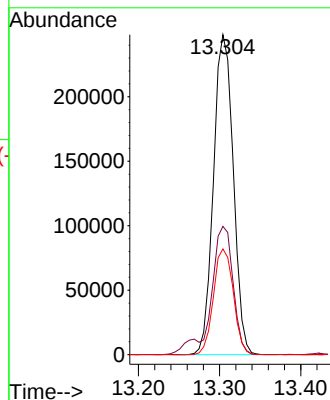
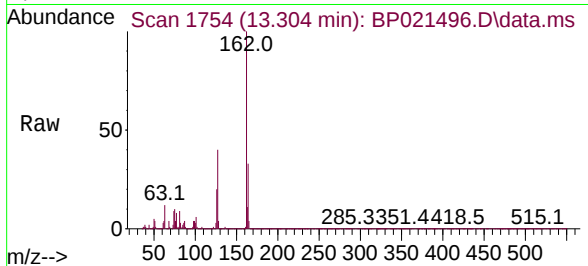
Tgt Ion:162 Resp: 420239

Ion Ratio Lower Upper

162 100

127 40.1 31.9 47.9

164 33.0 26.8 40.2



#48

2-Nitroaniline

Concen: 10.730 ng

RT: 13.492 min Scan# 1786

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

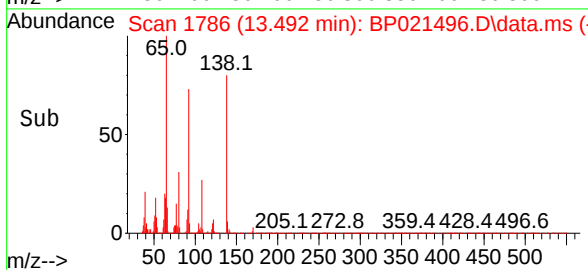
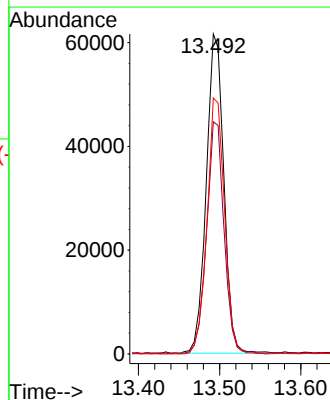
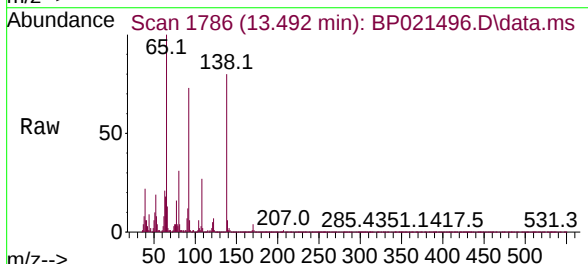
Tgt Ion: 65 Resp: 92074

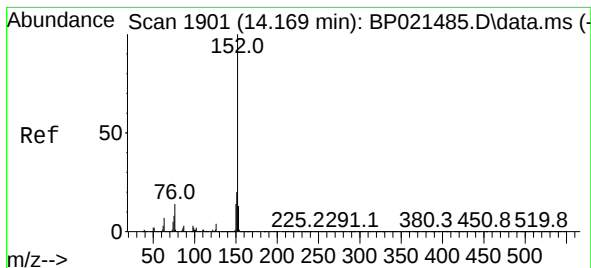
Ion Ratio Lower Upper

65 100

92 72.5 58.1 87.1

138 80.0 65.5 98.3





#49

Acenaphthylene

Concen: 8.688 ng

RT: 14.163 min Scan# 1900

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

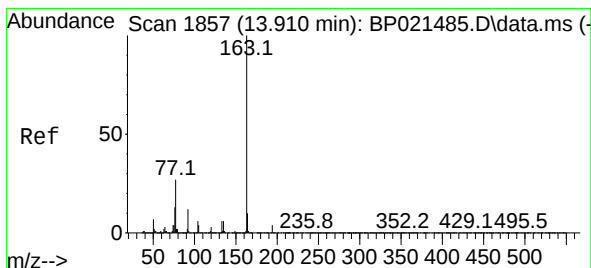
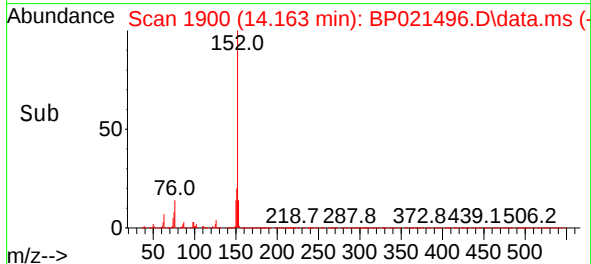
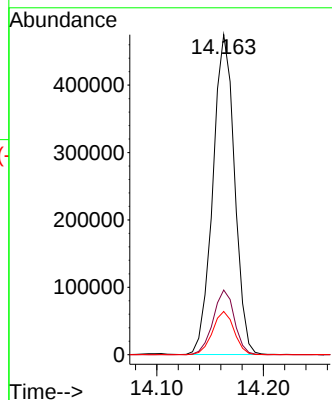
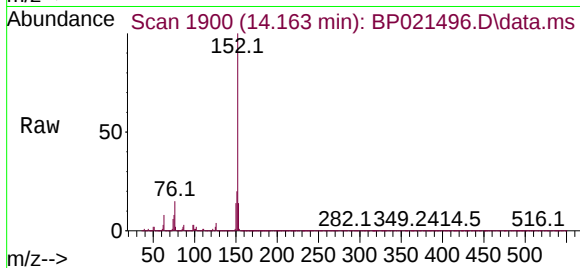
Tgt Ion:152 Resp: 671003

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

153 13.5 10.6 16.0



#50

Dimethylphthalate

Concen: 8.474 ng

RT: 13.886 min Scan# 1853

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

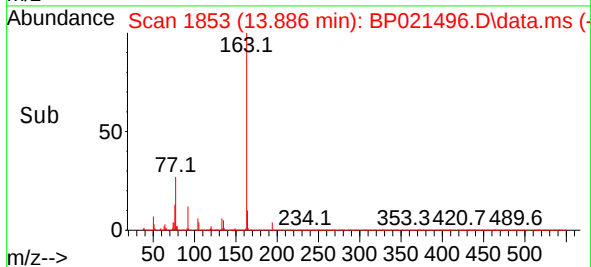
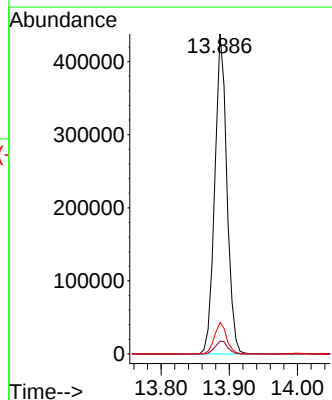
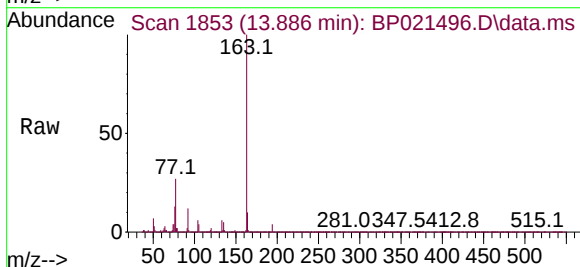
Tgt Ion:163 Resp: 541292

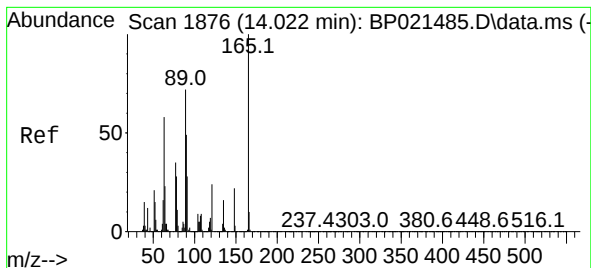
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.8 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 9.761 ng

RT: 14.004 min Scan# 1876

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

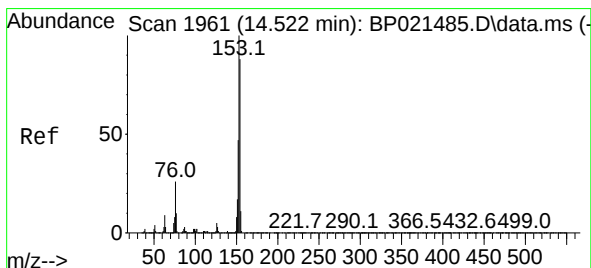
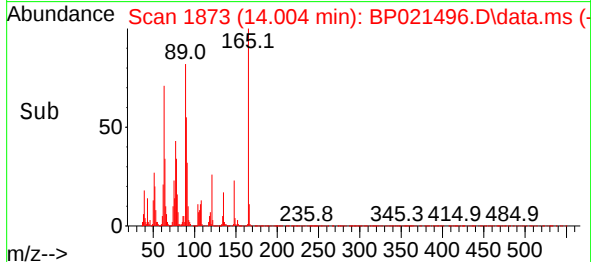
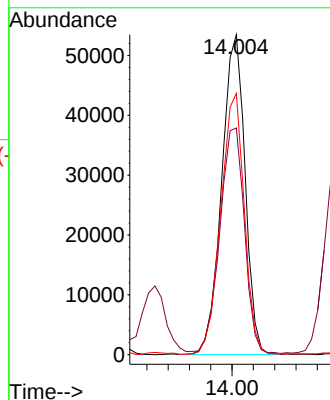
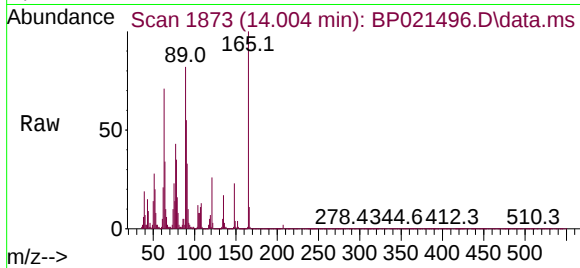
Tgt Ion:165 Resp: 81169

Ion Ratio Lower Upper

165 100

63 70.9 51.5 77.3

89 81.6 57.8 86.8



#52

Acenaphthene

Concen: 8.010 ng

RT: 14.510 min Scan# 1959

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

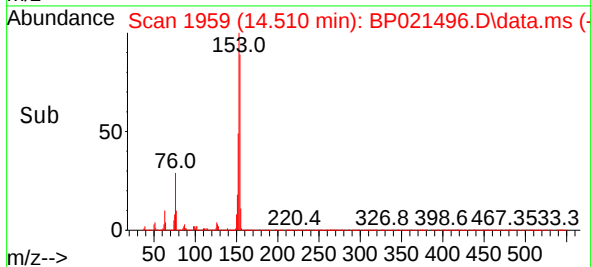
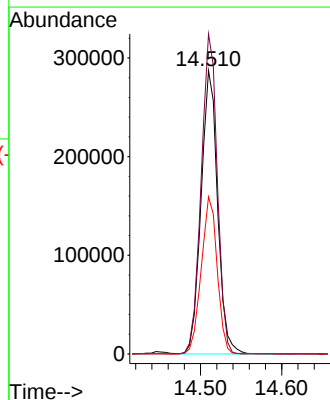
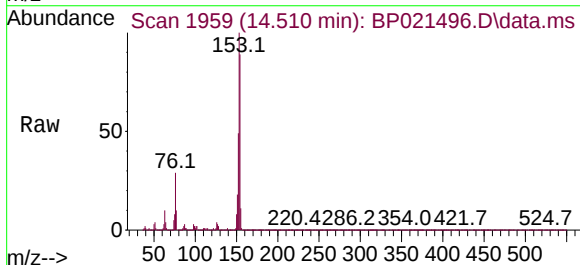
Tgt Ion:154 Resp: 405912

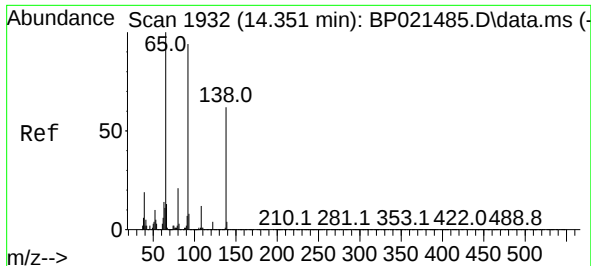
Ion Ratio Lower Upper

154 100

153 112.9 91.1 136.7

152 55.4 43.0 64.4

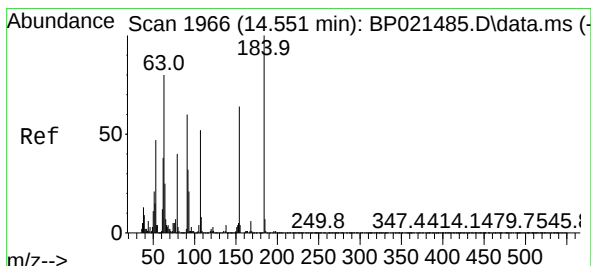
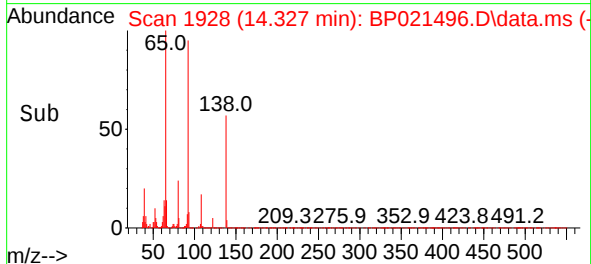
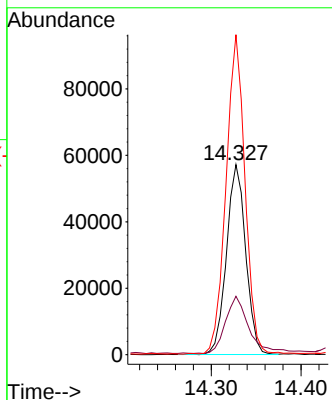
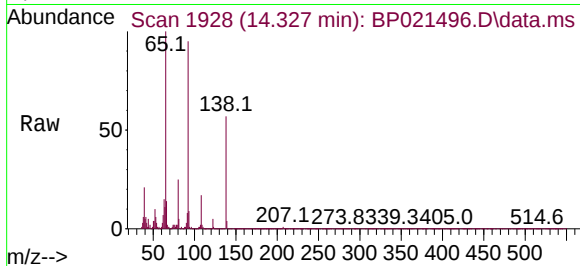




#53
3-Nitroaniline
Concen: 10.131 ng
RT: 14.327 min Scan# 1932
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

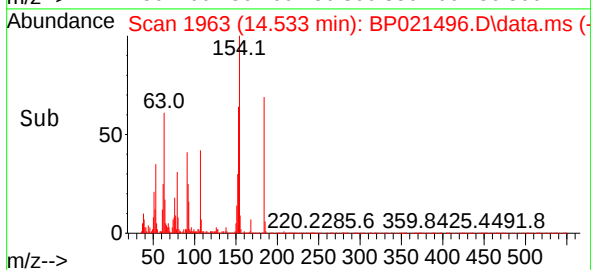
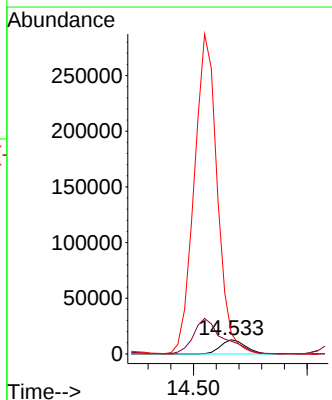
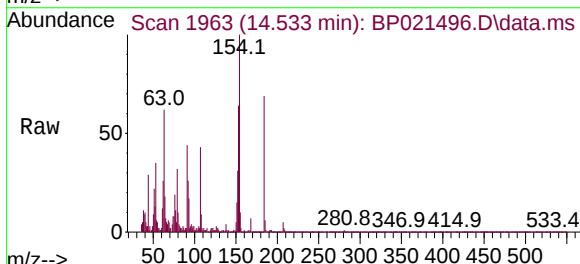
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

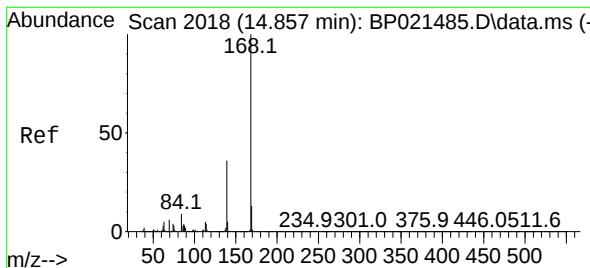
Tgt Ion:138 Resp: 85104
Ion Ratio Lower Upper
138 100
108 30.8 16.2 24.4#
92 168.4 122.2 183.4



#54
2,4-Dinitrophenol
Concen: 9.873 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:184 Resp: 19155
Ion Ratio Lower Upper
184 100
63 90.4 64.9 97.3
154 144.7 52.1 78.1#





#55

Dibenzenofuran

Concen: 8.578 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

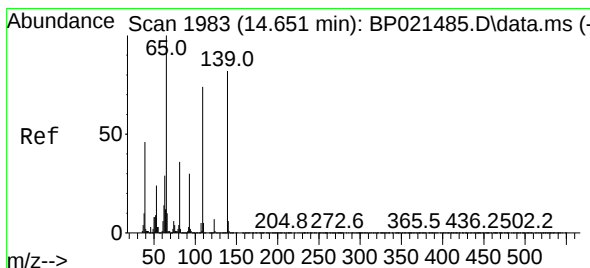
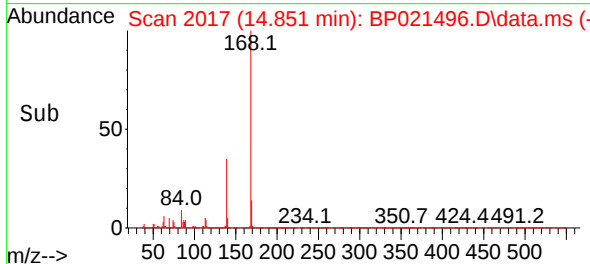
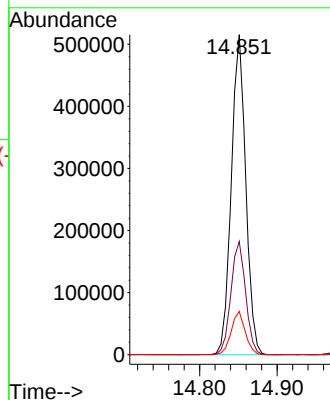
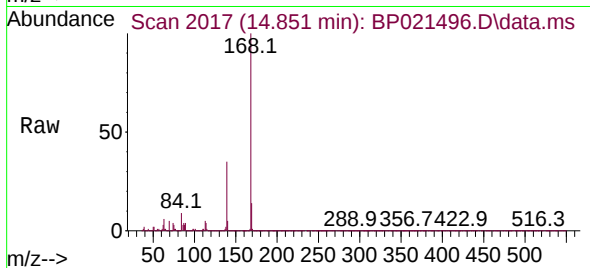
Tgt Ion:168 Resp: 668714

Ion Ratio Lower Upper

168 100

139 35.4 28.6 43.0

169 13.5 10.6 16.0



#56

4-Nitrophenol

Concen: 10.789 ng

RT: 14.627 min Scan# 1979

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

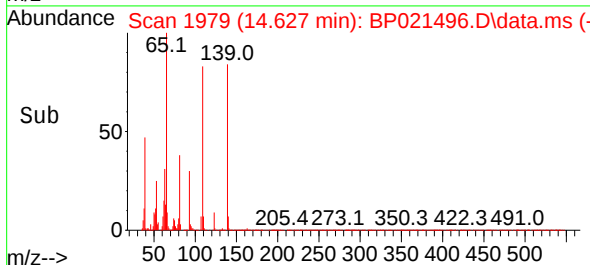
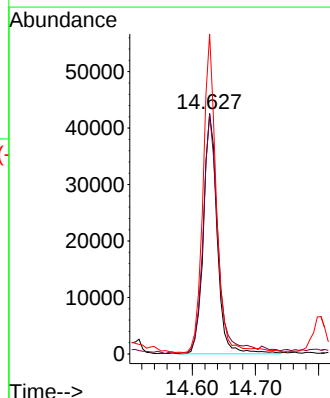
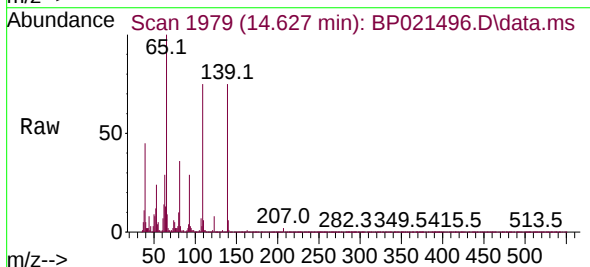
Tgt Ion:139 Resp: 64596

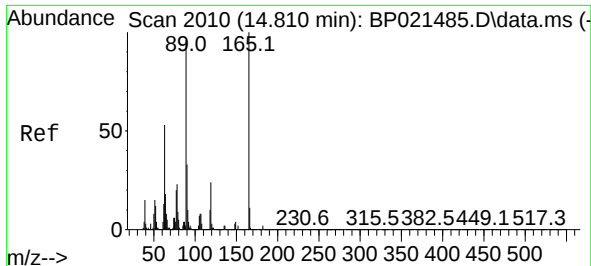
Ion Ratio Lower Upper

139 100

109 100.3 70.2 110.2

65 133.4 101.8 141.8

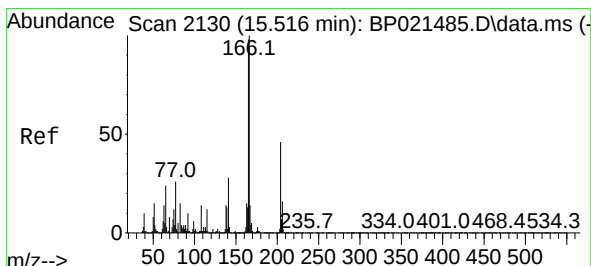
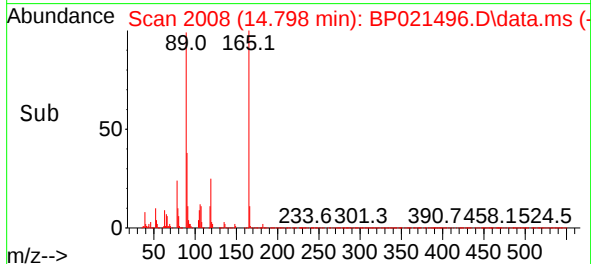
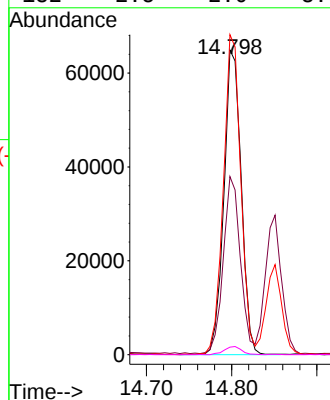
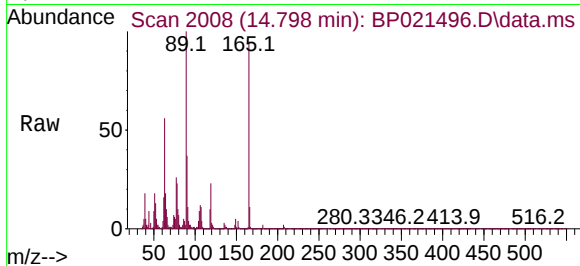




#57
2,4-Dinitrotoluene
Concen: 10.032 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

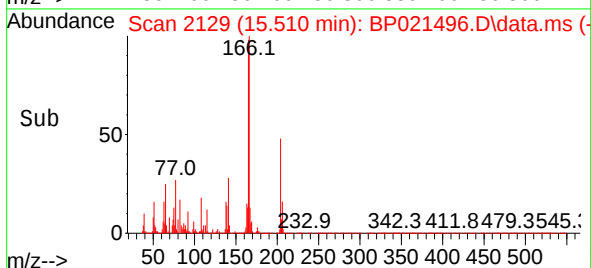
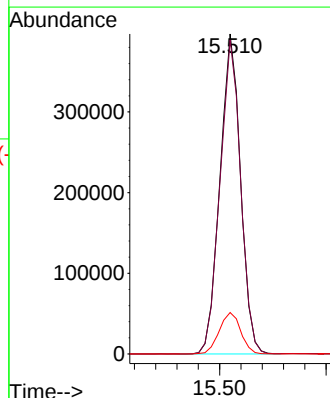
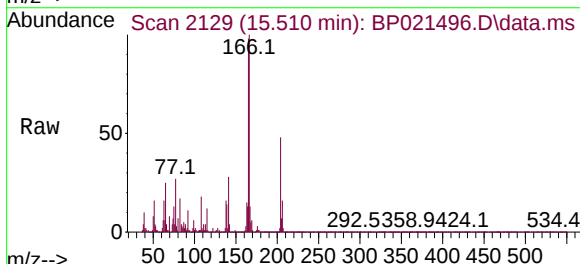
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

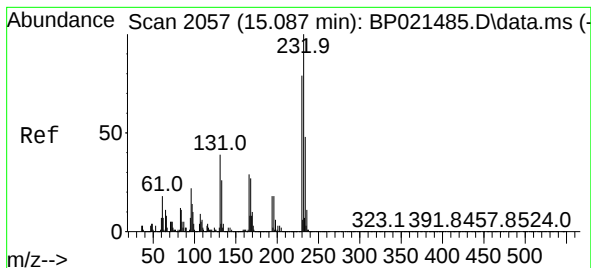
Tgt Ion:165 Resp: 91701
Ion Ratio Lower Upper
165 100
63 58.5 42.5 63.7
89 105.1 77.1 115.7
182 2.5 2.0 3.0



#58
Fluorene
Concen: 8.292 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:166 Resp: 531047
Ion Ratio Lower Upper
166 100
165 98.2 78.1 117.1
167 13.0 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.828 ng

RT: 15.080 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:232 Resp: 114594

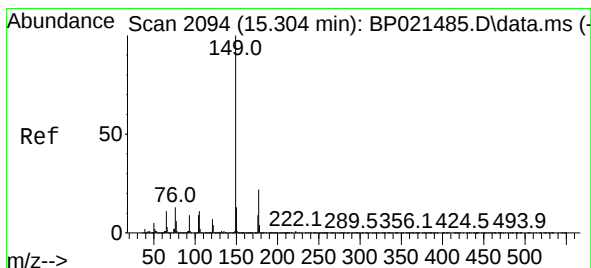
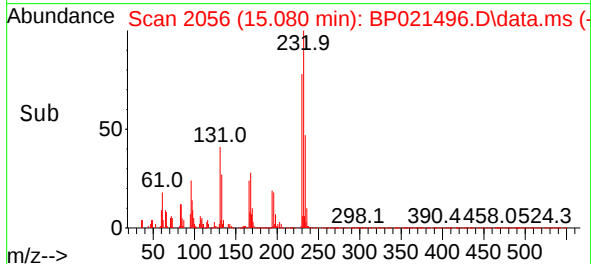
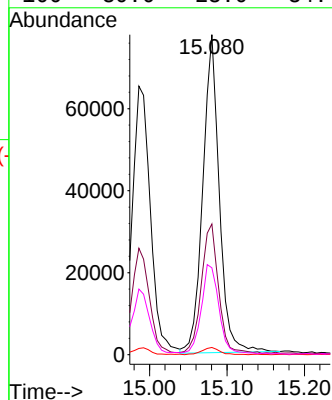
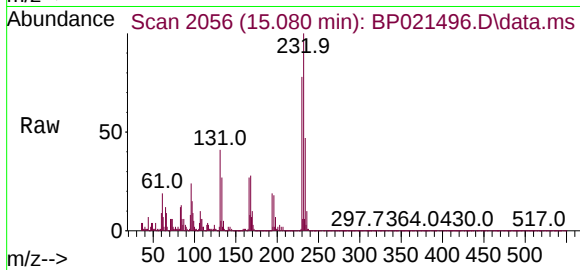
Ion Ratio Lower Upper

232 100

131 42.8 33.1 49.7

130 2.4 1.7 2.5

166 30.6 23.0 34.4



#60

Diethylphthalate

Concen: 8.226 ng

RT: 15.280 min Scan# 2090

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

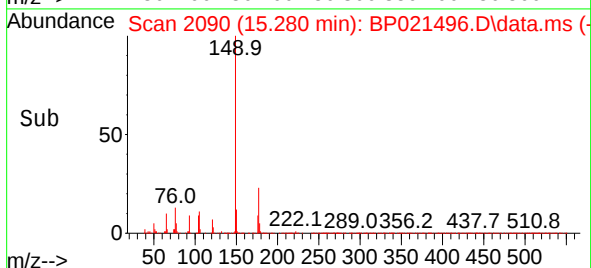
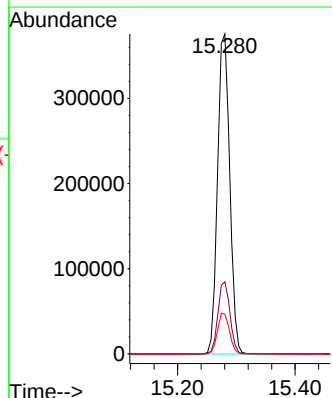
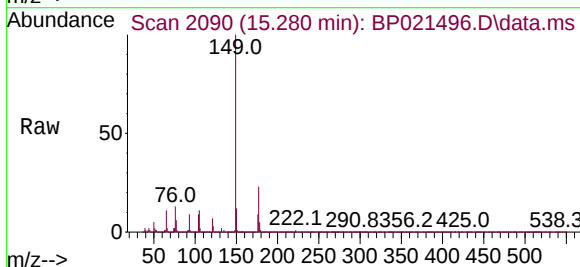
Tgt Ion:149 Resp: 539152

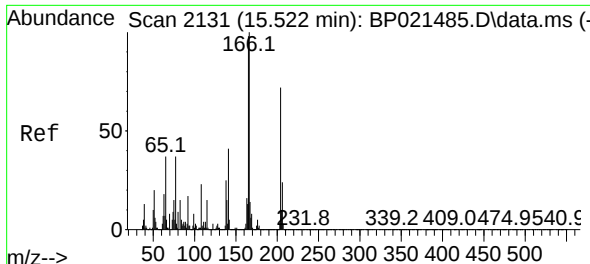
Ion Ratio Lower Upper

149 100

177 22.5 17.8 26.8

150 12.4 10.1 15.1

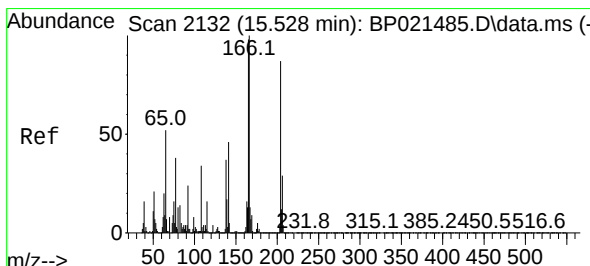
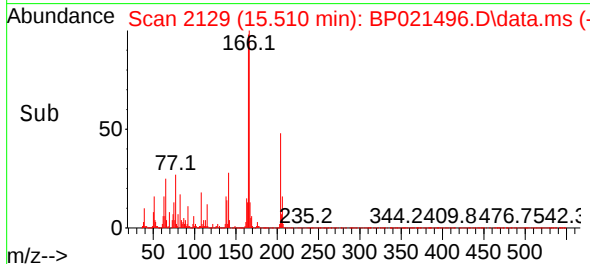
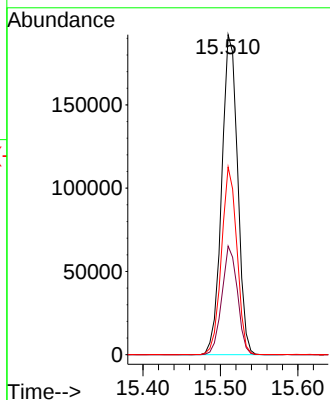
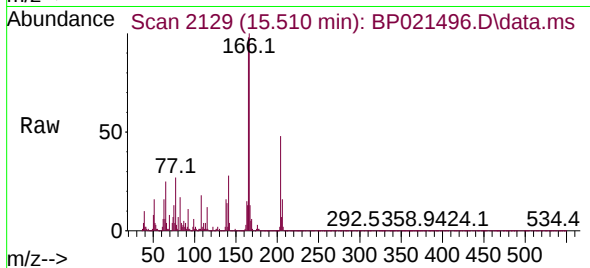




#61
4-Chlorophenyl-phenylether
Concen: 8.272 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

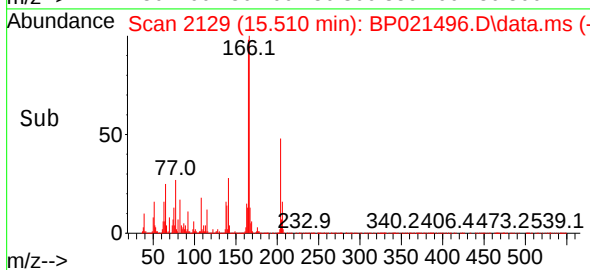
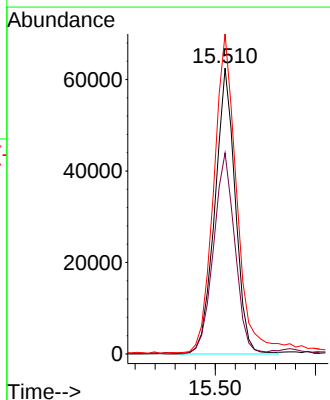
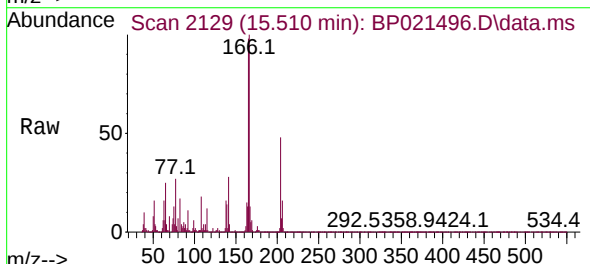
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

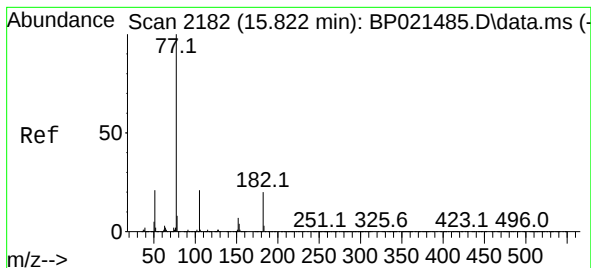
Tgt Ion:204 Resp: 273847
Ion Ratio Lower Upper
204 100
206 34.0 26.4 39.6
141 58.6 46.1 69.1



#62
4-Nitroaniline
Concen: 9.274 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:138 Resp: 87930
Ion Ratio Lower Upper
138 100
92 70.3 46.4 86.4
108 112.0 73.2 113.2





#63

Azobenzene

Concen: 8.951 ng

RT: 15.810 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 77 Resp: 721146

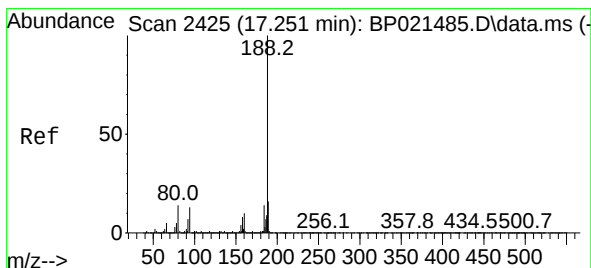
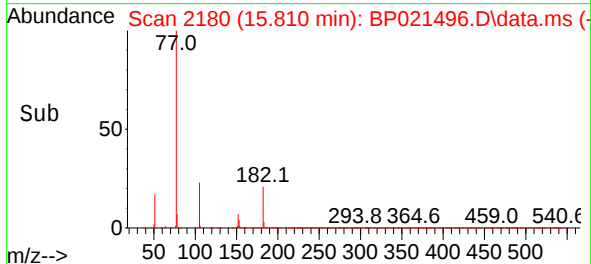
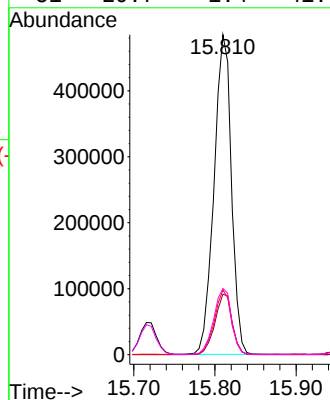
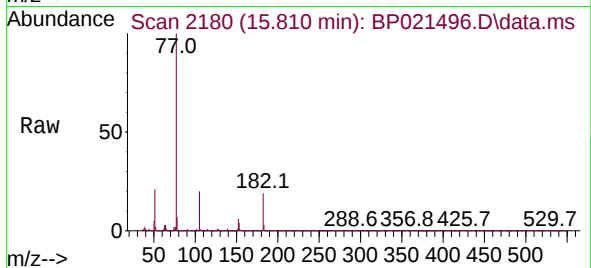
Ion Ratio Lower Upper

77 100

182 18.9 0.0 39.9

105 20.2 0.9 40.9

51 20.7 1.4 41.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.251 min Scan# 2425

Delta R.T. -0.000 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

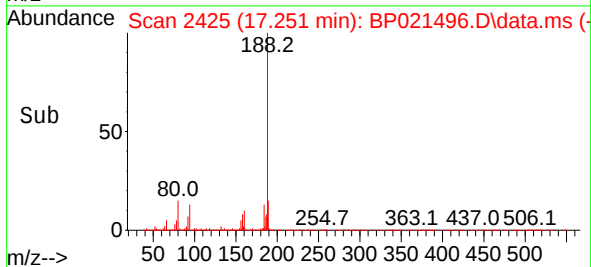
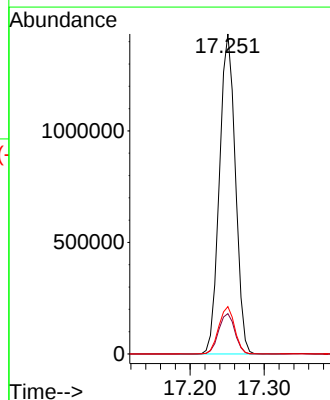
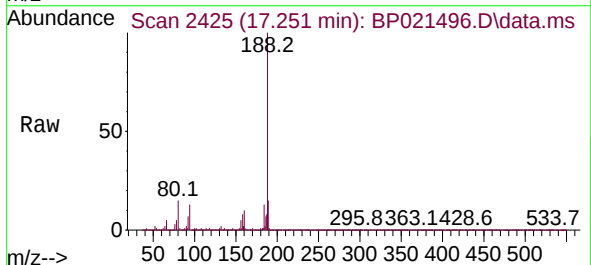
Tgt Ion:188 Resp: 2142969

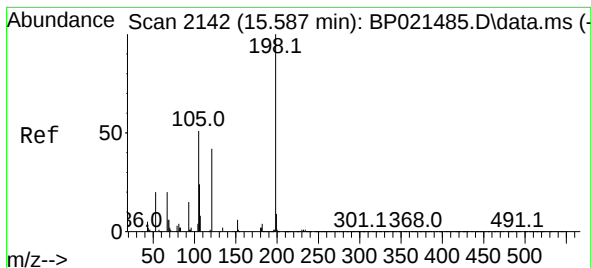
Ion Ratio Lower Upper

188 100

94 12.6 10.2 15.4

80 14.8 11.6 17.4

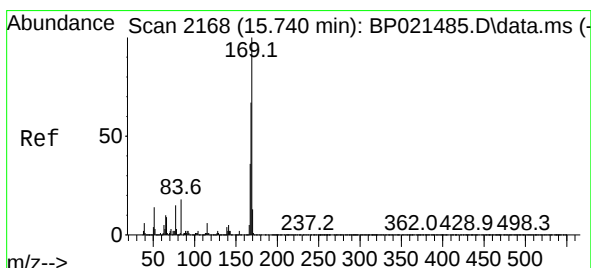
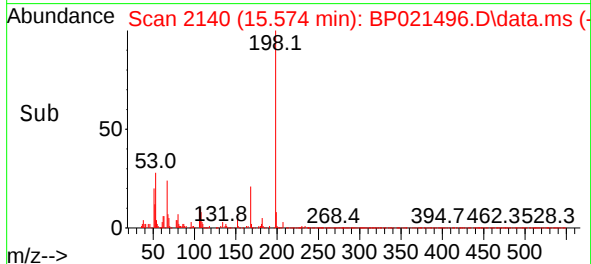
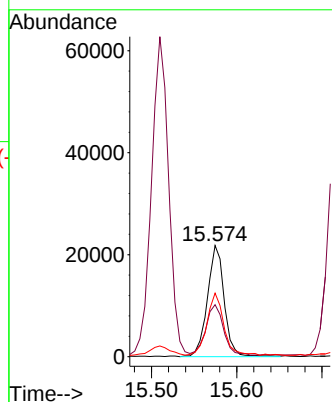
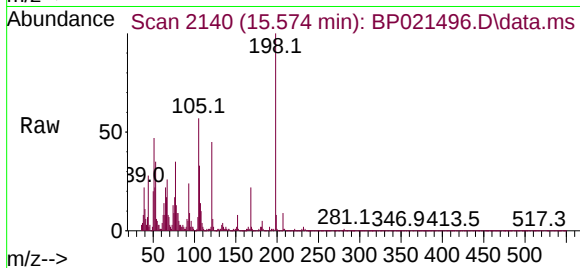




#65
4,6-Dinitro-2-methylphenol
Concen: 10.300 ng
RT: 15.574 min Scan# 2140
Delta R.T. -0.013 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

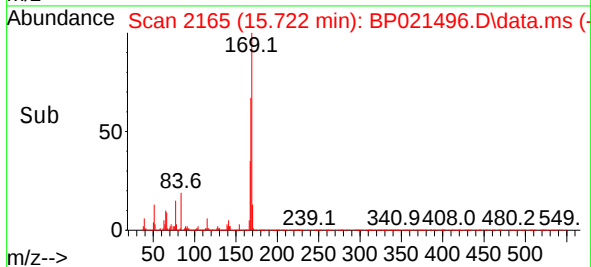
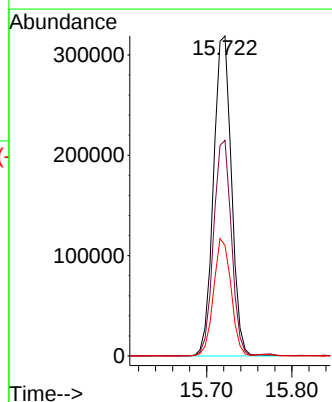
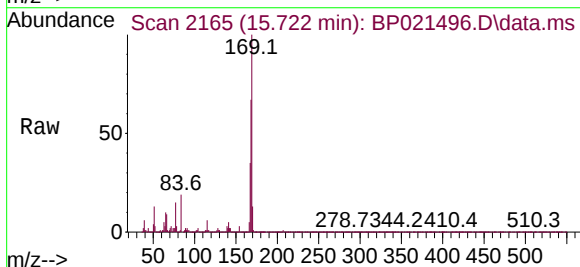
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

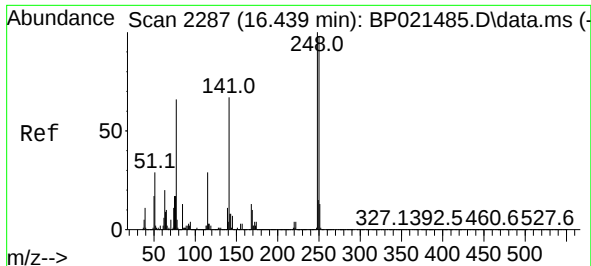
Tgt Ion:198 Resp: 29747
Ion Ratio Lower Upper
198 100
51 46.7 21.5 61.5
105 57.1 32.9 72.9



#66
n-Nitrosodiphenylamine
Concen: 8.100 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:169 Resp: 465154
Ion Ratio Lower Upper
169 100
168 67.4 53.4 80.2
167 34.6 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 7.323 ng

RT: 16.416 min Scan# 2283

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

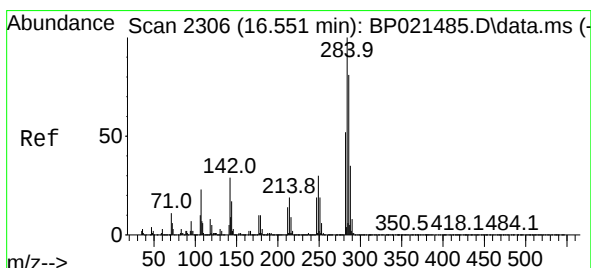
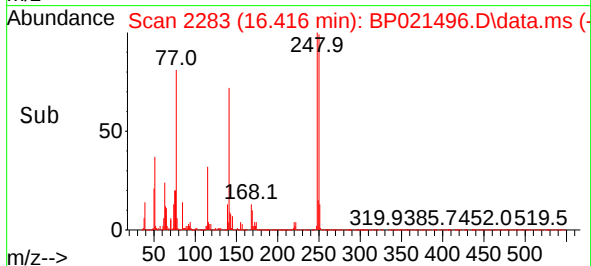
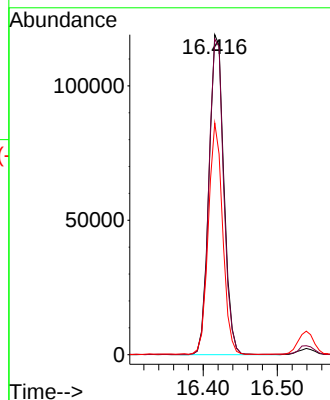
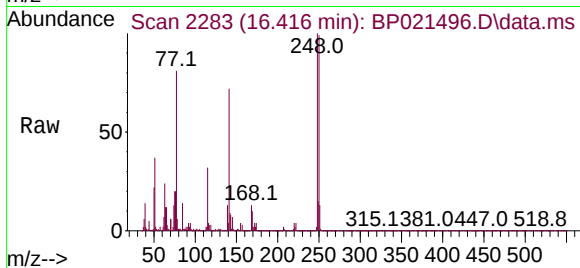
Tgt Ion:248 Resp: 166083

Ion Ratio Lower Upper

248 100

250 98.6 78.6 117.8

141 72.4 53.9 80.9



#68

Hexachlorobenzene

Concen: 7.663 ng

RT: 16.539 min Scan# 2304

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

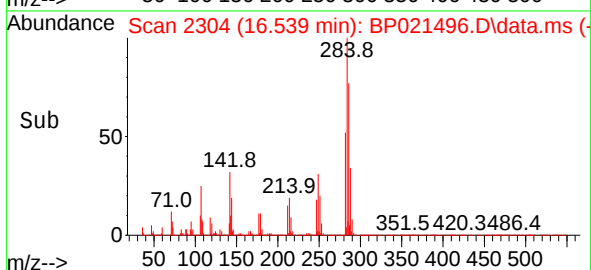
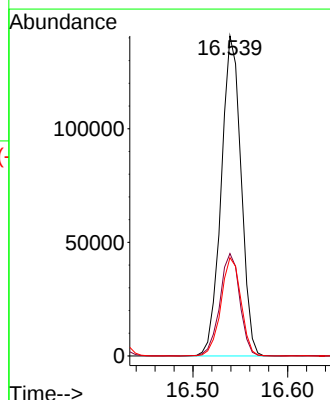
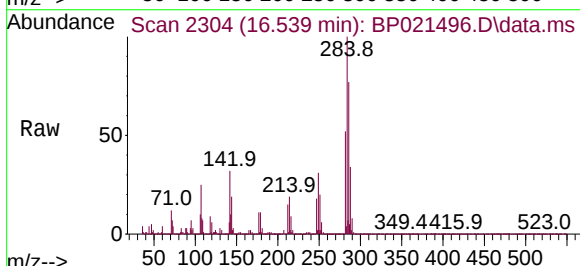
Tgt Ion:284 Resp: 205401

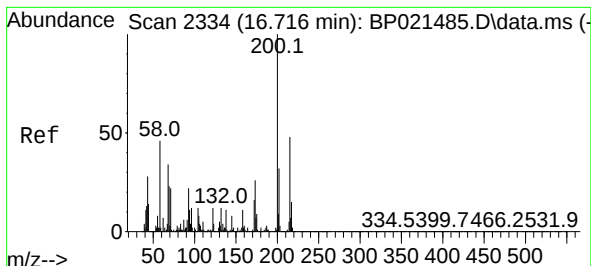
Ion Ratio Lower Upper

284 100

142 32.0 23.4 35.2

249 30.7 24.1 36.1





#69

Atrazine

Concen: 8.343 ng

RT: 16.686 min Scan# 2329

Delta R.T. -0.030 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

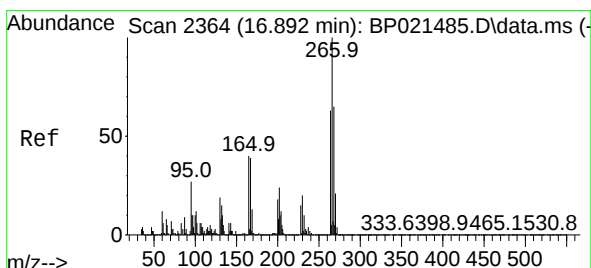
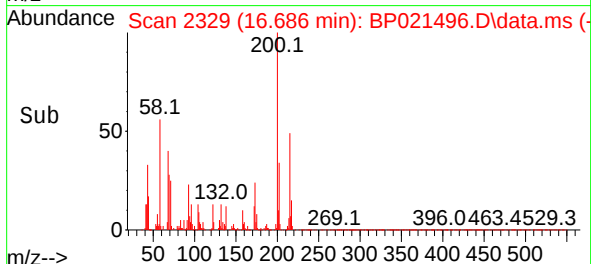
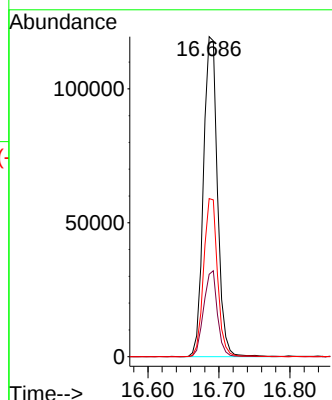
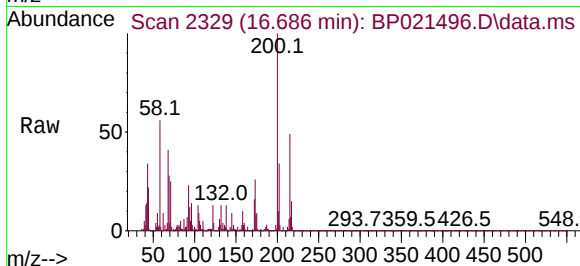
Tgt Ion:200 Resp: 164492

Ion Ratio Lower Upper

200 100

173 25.8 6.2 46.2

215 49.4 28.4 68.4



#70

Pentachlorophenol

Concen: 5.920 ng

RT: 16.886 min Scan# 2363

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

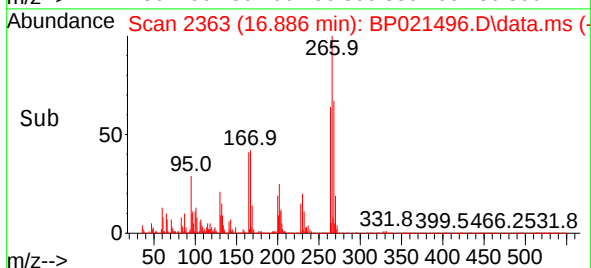
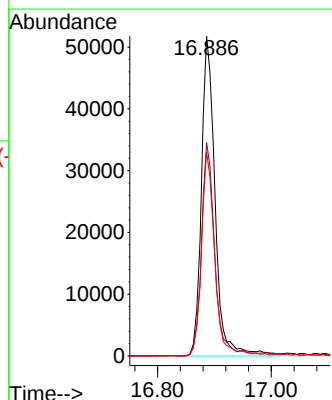
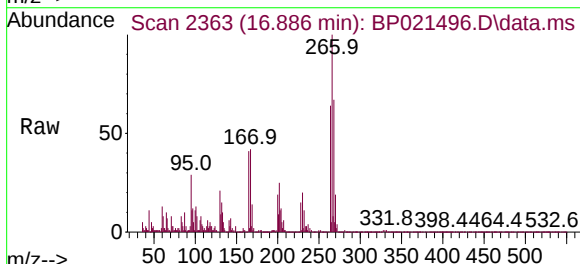
Tgt Ion:266 Resp: 86609

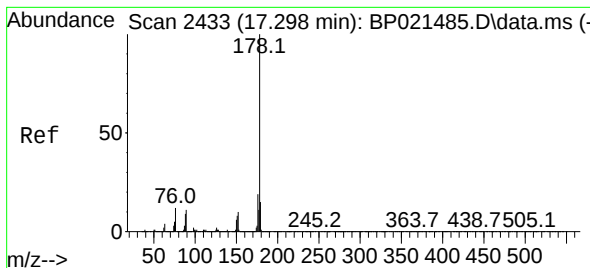
Ion Ratio Lower Upper

266 100

268 66.7 51.8 77.6

264 63.7 50.5 75.7





#71

Phenanthrene

Concen: 8.348 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

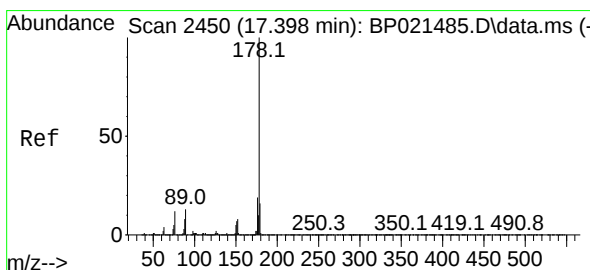
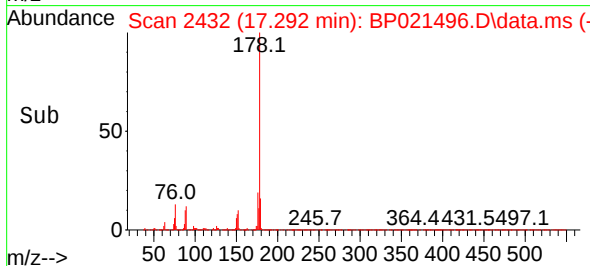
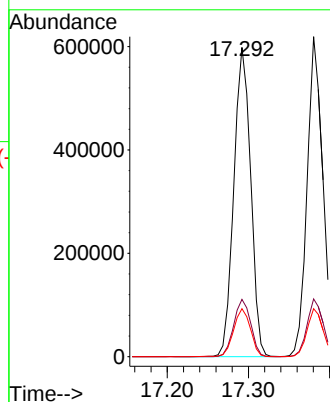
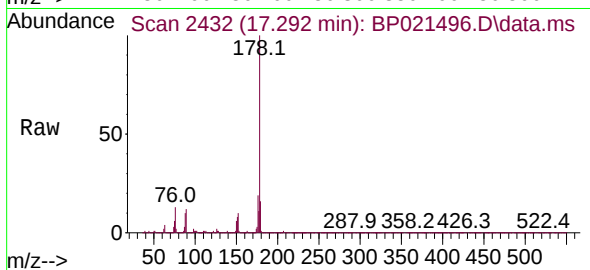
Tgt Ion:178 Resp: 860328

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

179 15.5 12.4 18.6



#72

Anthracene

Concen: 8.271 ng

RT: 17.380 min Scan# 2447

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

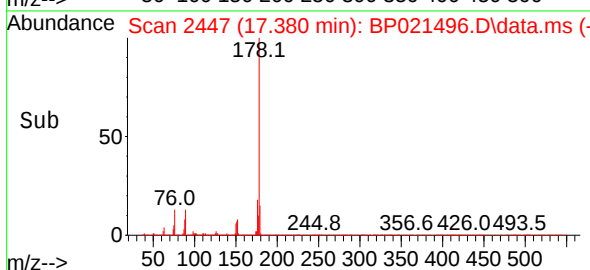
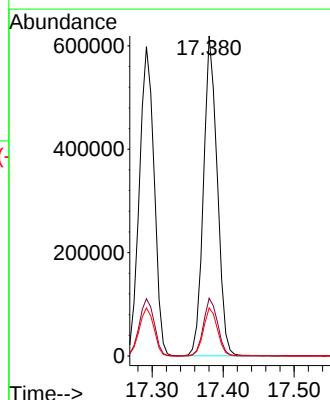
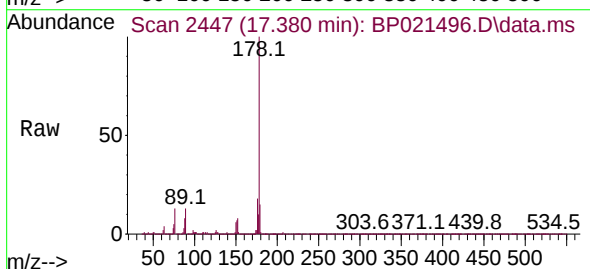
Tgt Ion:178 Resp: 835993

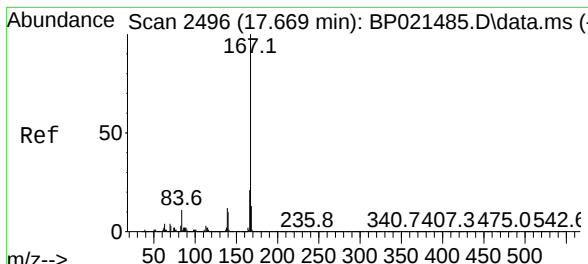
Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 15.0 12.5 18.7





#73

Carbazole

Concen: 8.008 ng

RT: 17.657 min Scan# 2494

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

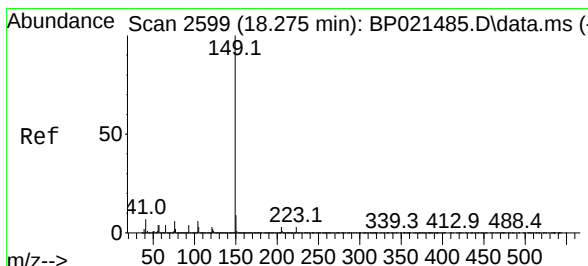
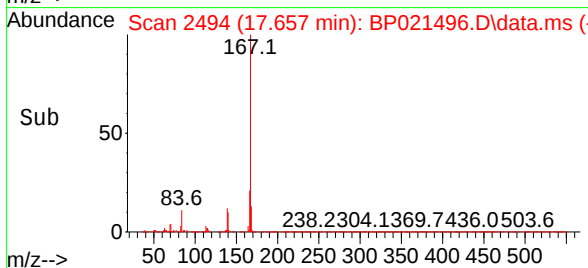
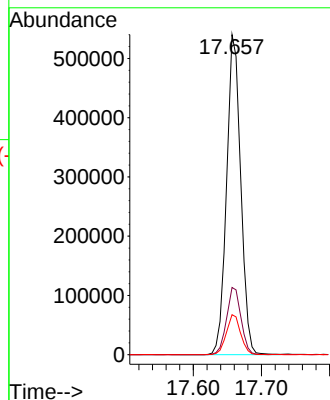
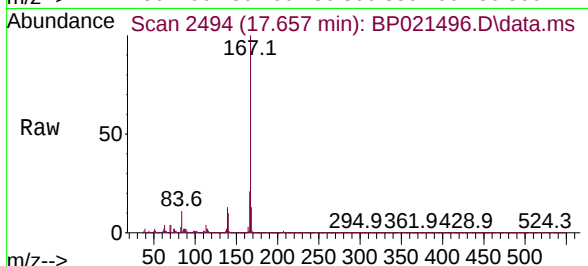
Tgt Ion:167 Resp: 780024

Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.4

139 12.5 9.9 14.9



#74

Di-n-butylphthalate

Concen: 7.634 ng

RT: 18.268 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

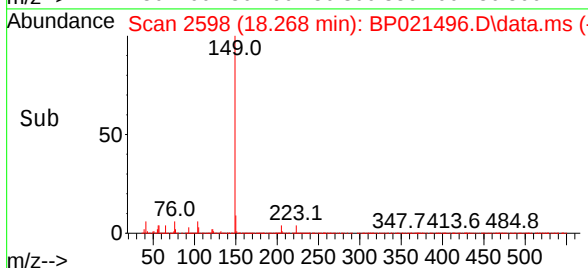
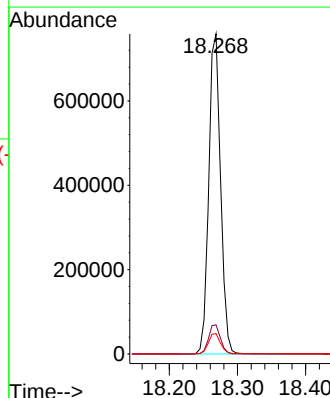
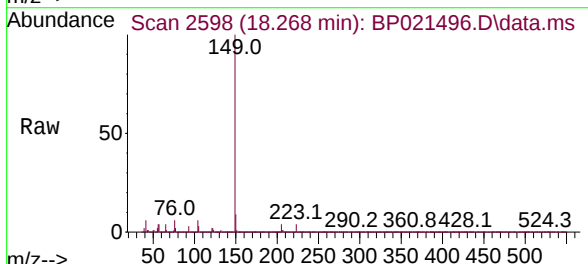
Tgt Ion:149 Resp: 913190

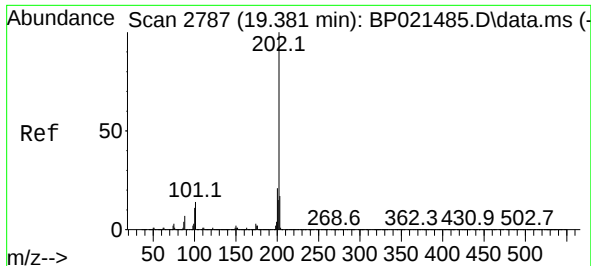
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 6.4 4.9 7.3

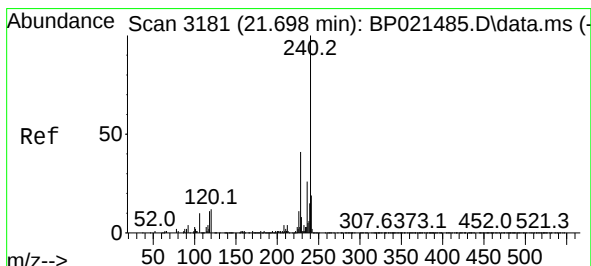
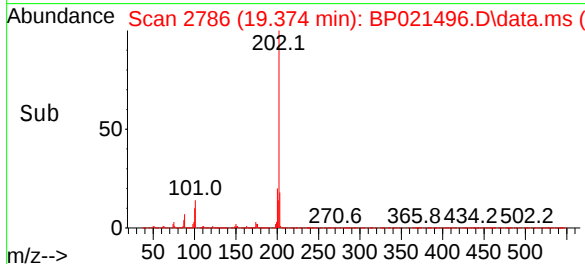
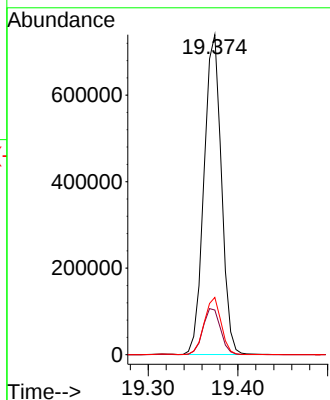
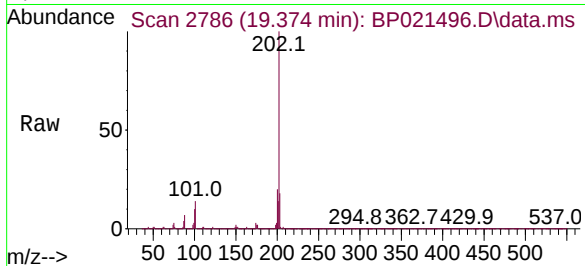




#75
Fluoranthene
Concen: 7.864 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

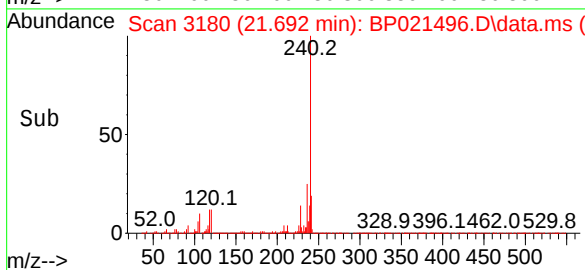
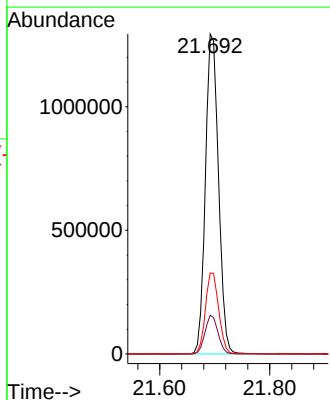
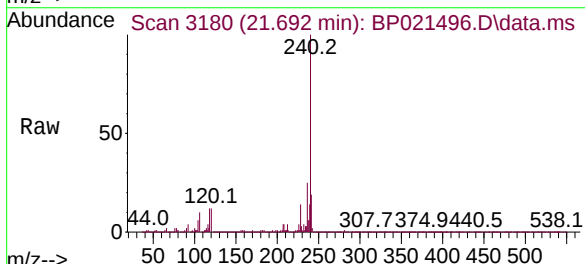
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

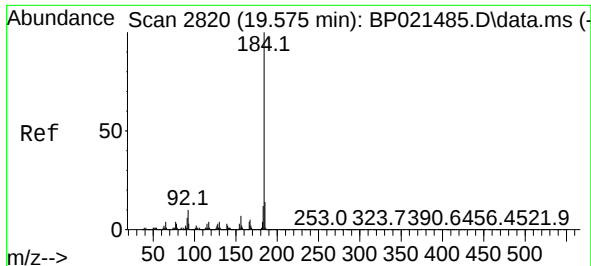
Tgt Ion:202 Resp: 994401
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.0
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.692 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:240 Resp: 2137506
Ion Ratio Lower Upper
240 100
120 12.1 9.9 14.9
236 25.3 20.6 30.8

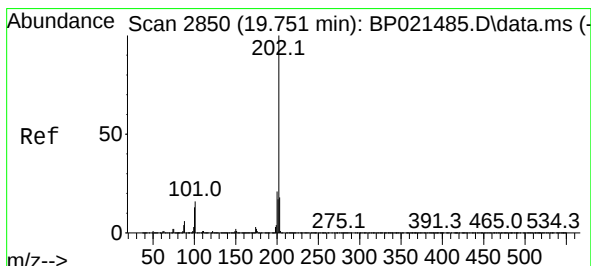
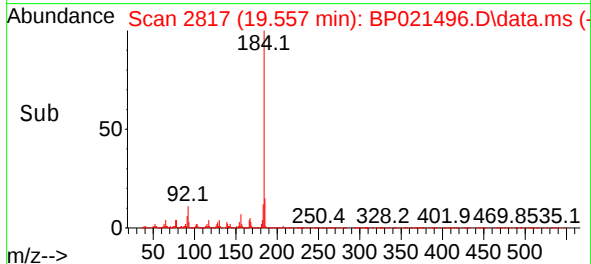
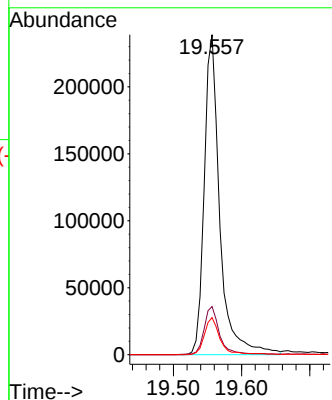
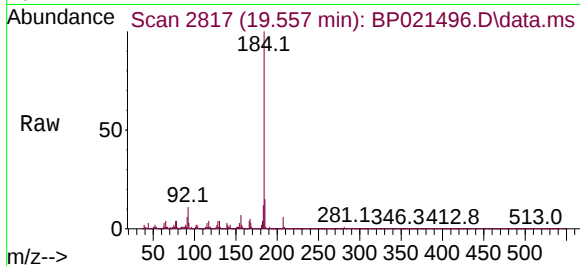




#77
Benzidine
Concen: 10.498 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.018 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

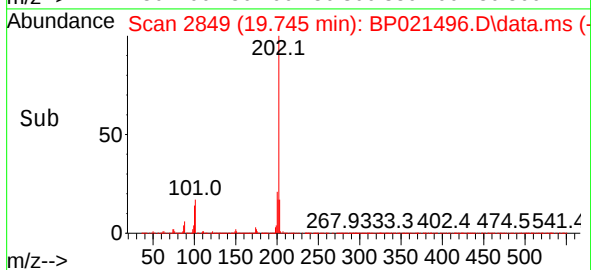
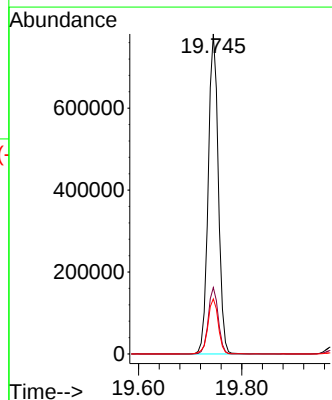
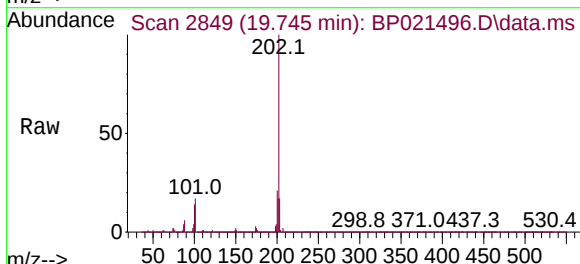
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

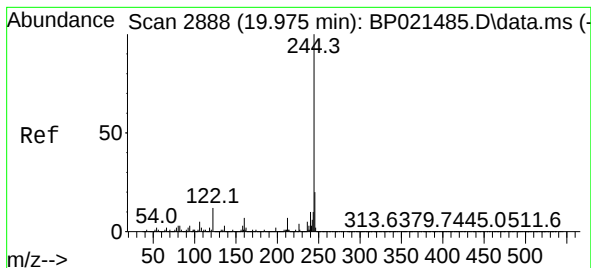
Tgt Ion:184 Resp: 379103
Ion Ratio Lower Upper
184 100
185 15.1 11.4 17.0
183 11.6 9.3 13.9



#78
Pyrene
Concen: 7.553 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:202 Resp: 1055257
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.2 14.1 21.1





#79

Terphenyl-d14

Concen: 82.334 ng

RT: 19.974 min Scan# 21

Delta R.T. -0.001 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

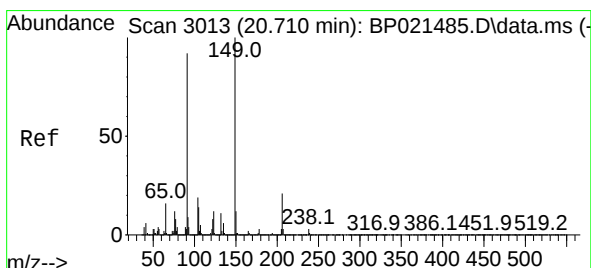
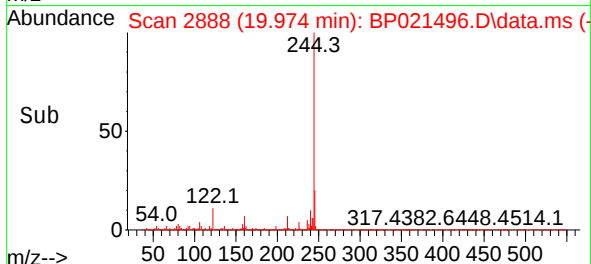
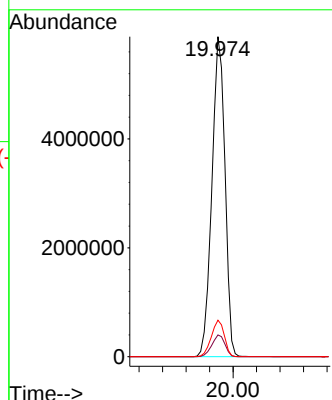
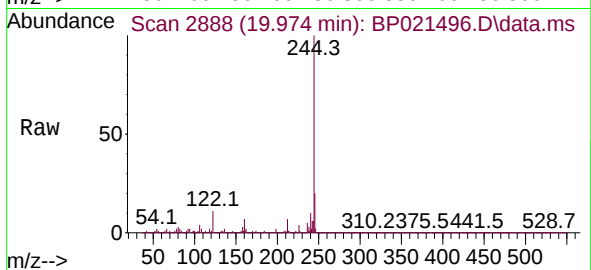
Tgt Ion:244 Resp: 9058895

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.4 9.4 14.2



#80

Butylbenzylphthalate

Concen: 8.871 ng

RT: 20.698 min Scan# 3011

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

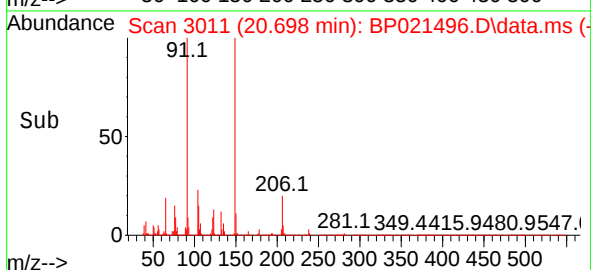
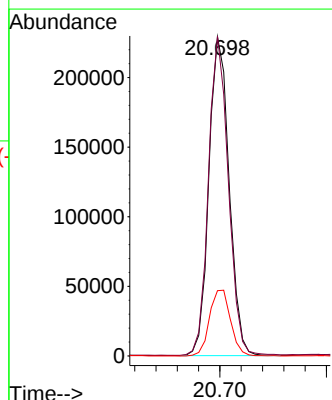
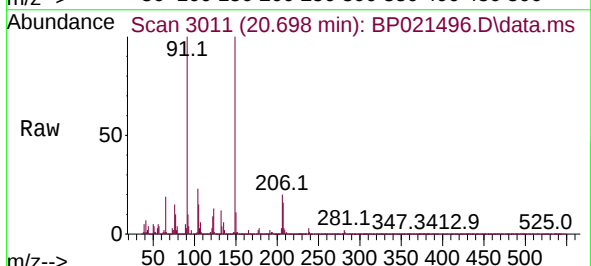
Tgt Ion:149 Resp: 302034

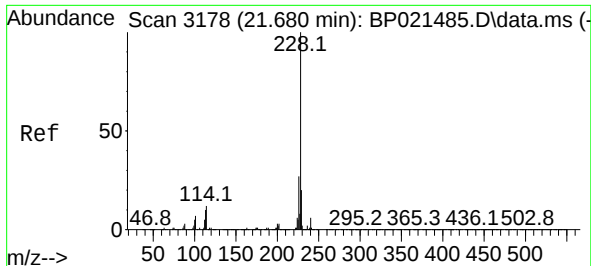
Ion Ratio Lower Upper

149 100

91 100.3 73.3 109.9

206 20.5 17.1 25.7

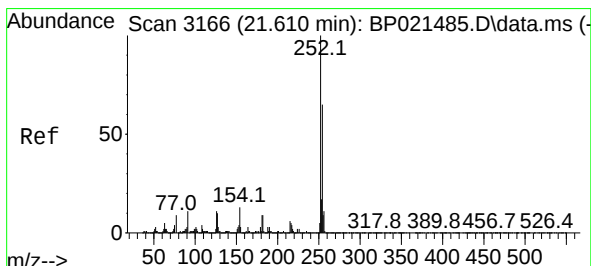
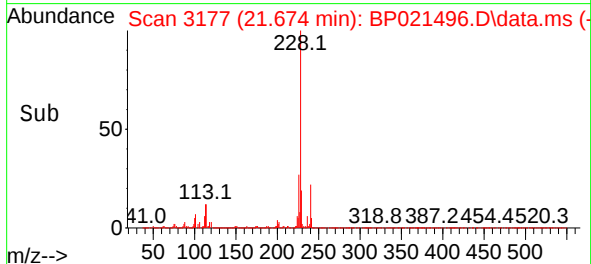
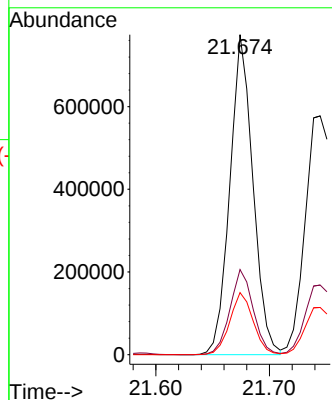
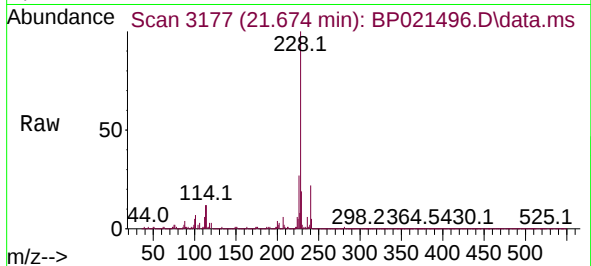




#81
Benzo(a)anthracene
Concen: 8.137 ng
RT: 21.674 min Scan# 3177
Delta R.T. -0.006 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

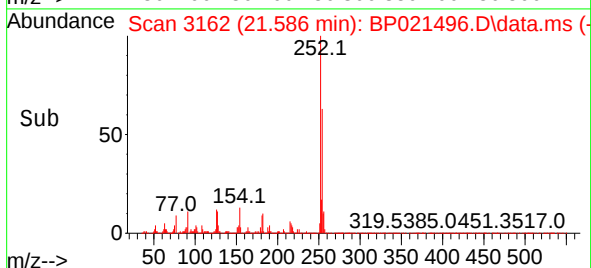
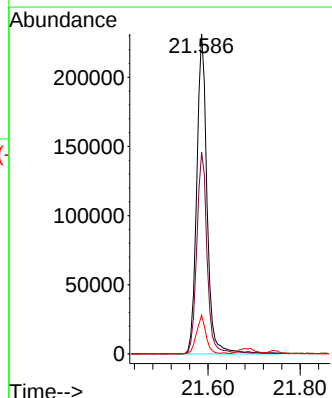
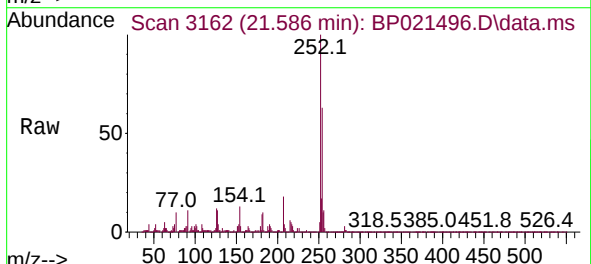
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2024

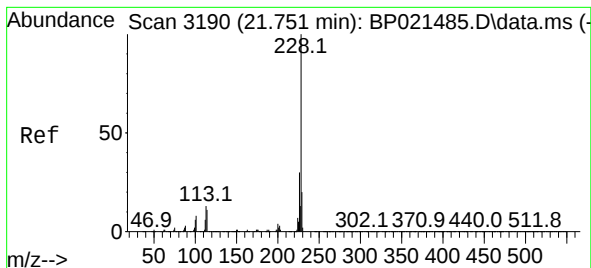
Tgt Ion:228 Resp: 1091842
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 19.4 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 8.356 ng
RT: 21.586 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BP021496.D
Acq: 14 Aug 2024 12:06

Tgt Ion:252 Resp: 359508
Ion Ratio Lower Upper
252 100
254 63.0 51.7 77.5
126 12.1 8.7 13.1





#83

Chrysene

Concen: 8.058 ng

RT: 21.745 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

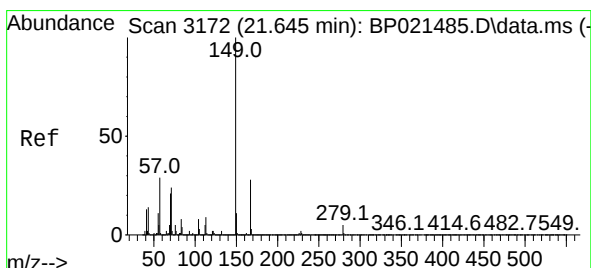
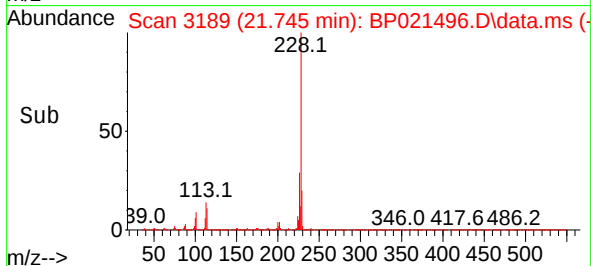
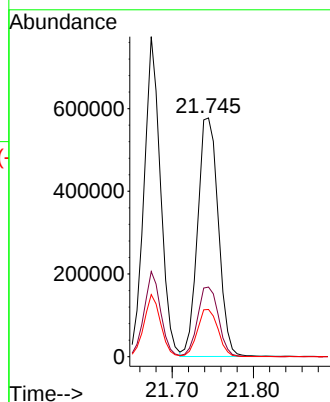
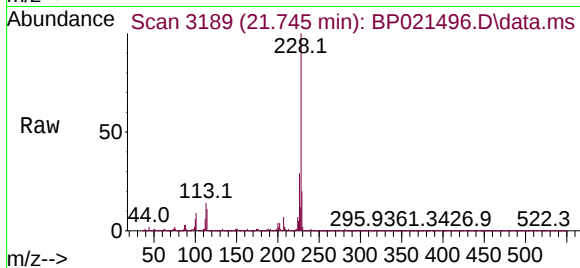
Tgt Ion:228 Resp: 1020889

Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.163 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

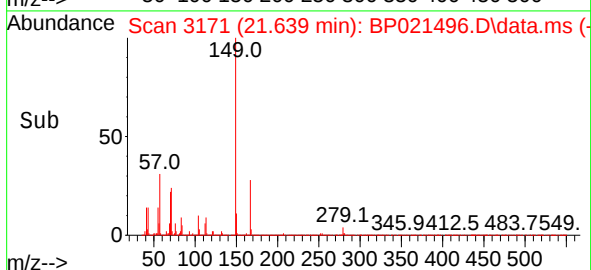
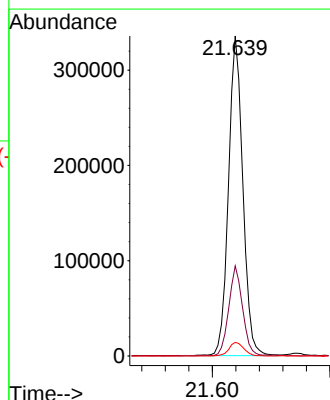
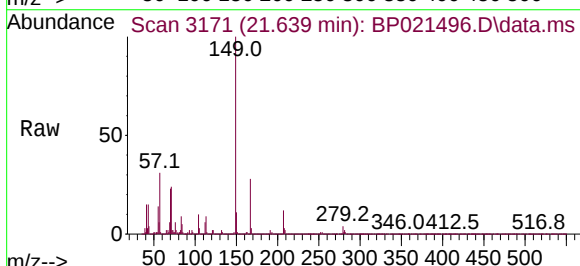
Tgt Ion:149 Resp: 568059

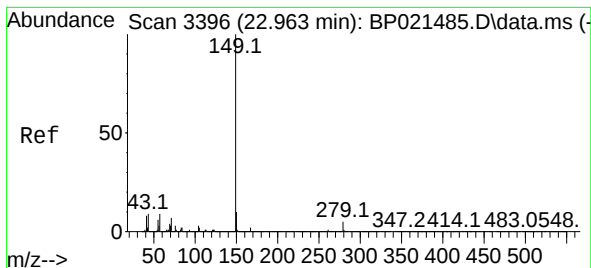
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.3 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 9.953 ng

RT: 22.951 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

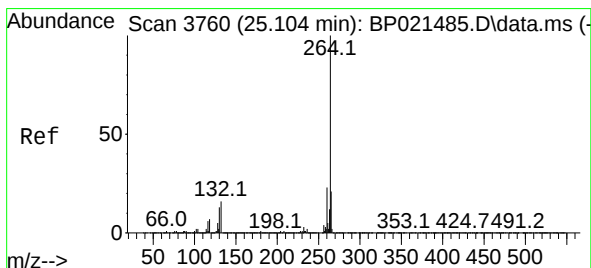
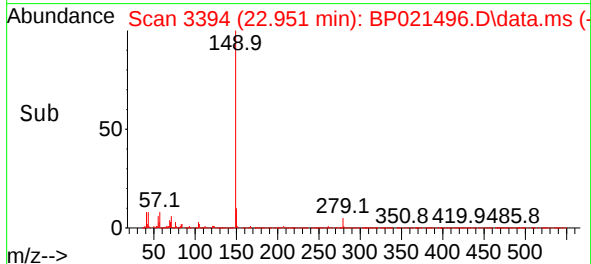
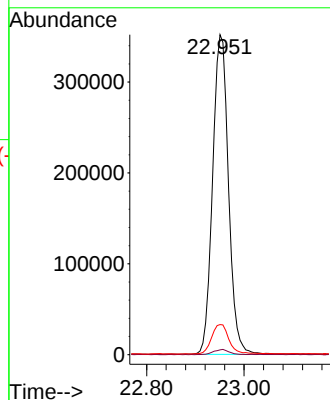
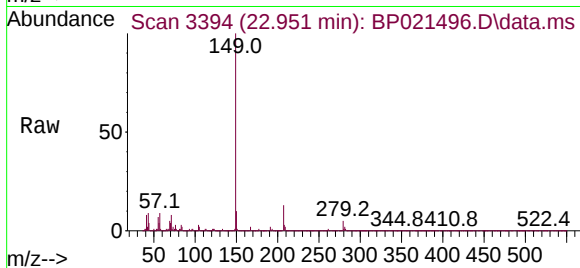
Tgt Ion:149 Resp: 792775

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.9 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.109 min Scan# 3761

Delta R.T. 0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

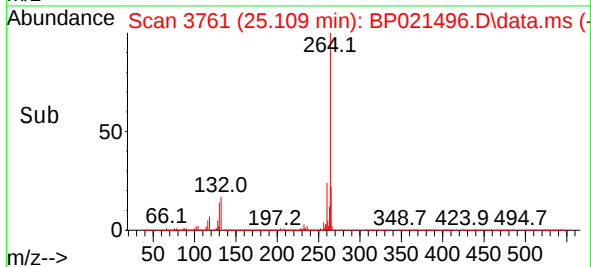
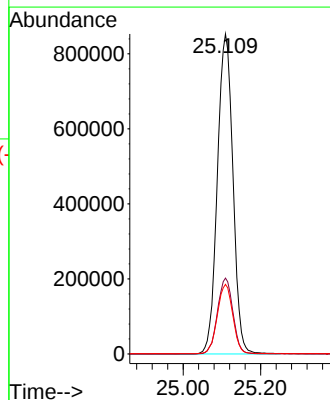
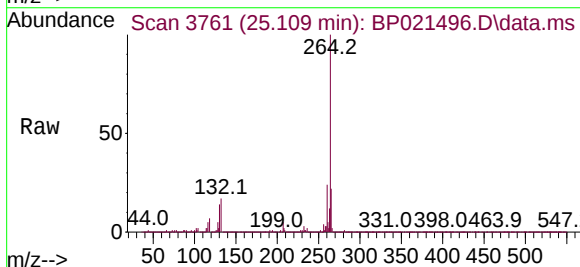
Tgt Ion:264 Resp: 2377678

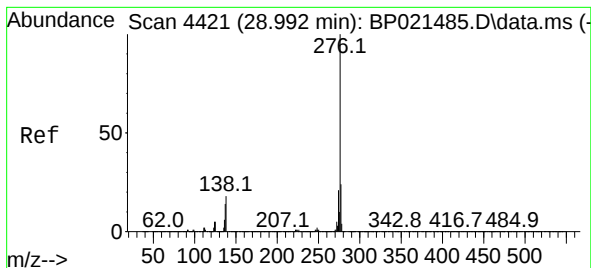
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.164 ng

RT: 28.944 min Scan# 4421

Delta R.T. -0.047 min

Lab File: BP021496.D

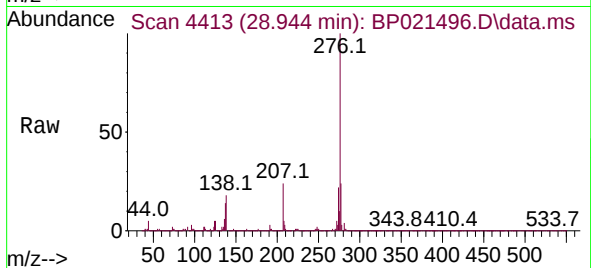
Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



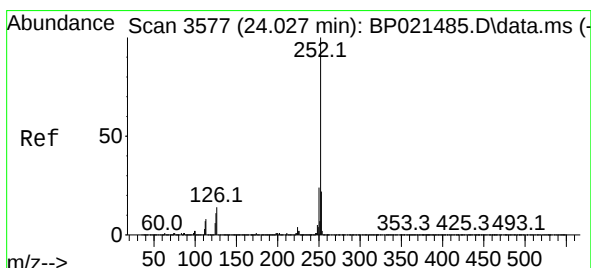
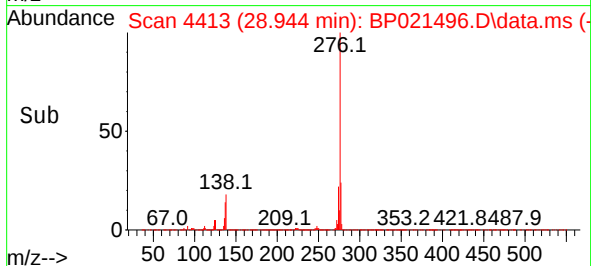
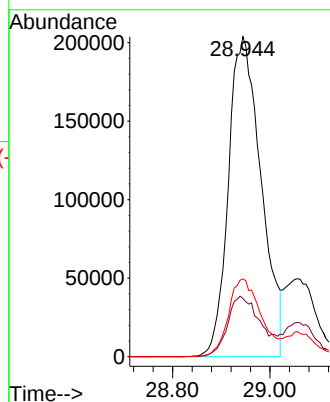
Tgt Ion:276 Resp: 950096

Ion Ratio Lower Upper

276 100

138 19.3 12.8 19.2#

277 24.2 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 7.592 ng

RT: 24.015 min Scan# 3575

Delta R.T. -0.012 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

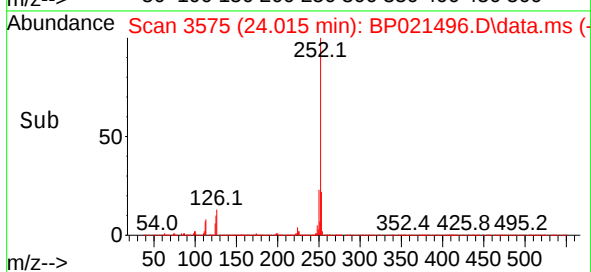
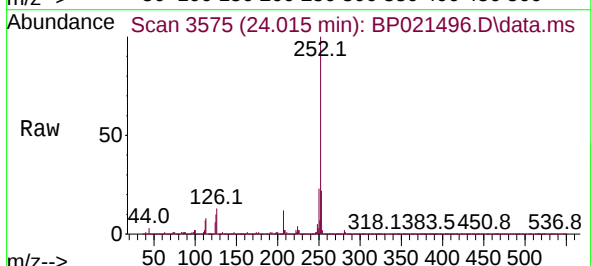
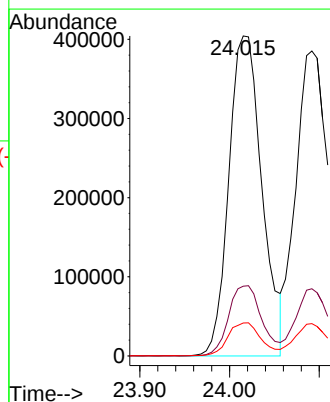
Tgt Ion:252 Resp: 1036730

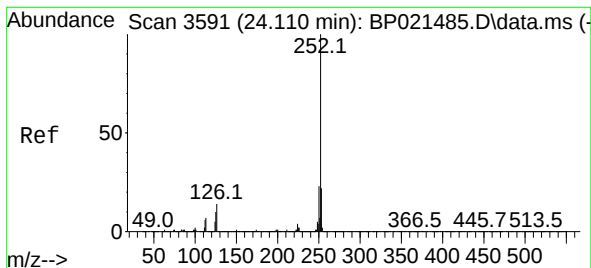
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 7.771 ng

RT: 24.092 min Scan# 3588

Delta R.T. -0.018 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

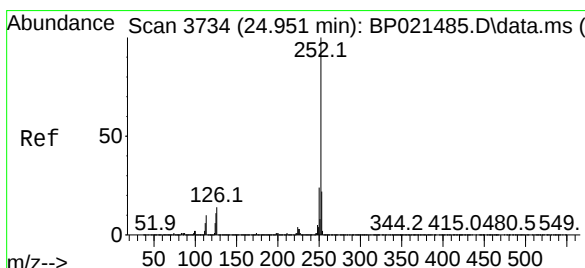
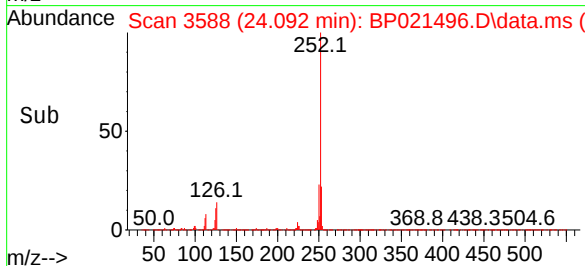
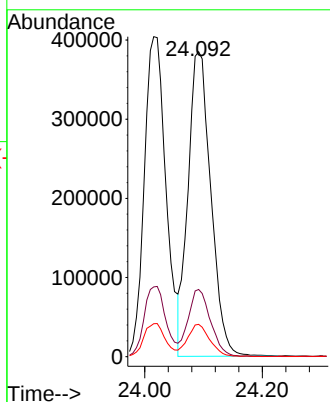
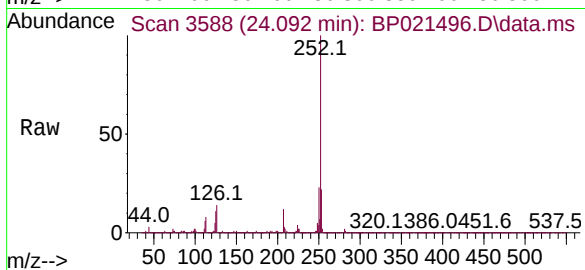
Tgt Ion:252 Resp: 1035127

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 10.6 7.8 11.8



#90

Benzo(a)pyrene

Concen: 7.827 ng

RT: 24.945 min Scan# 3733

Delta R.T. -0.006 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

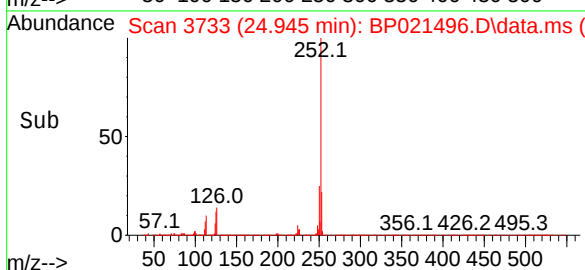
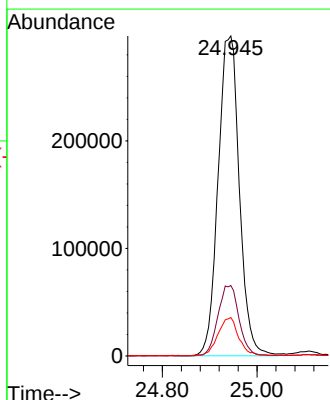
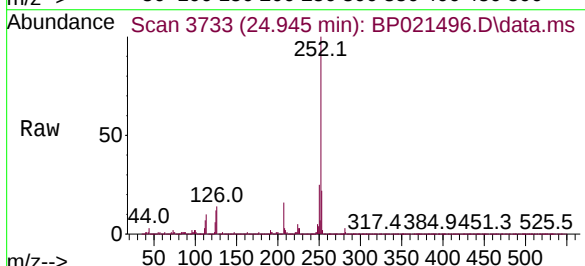
Tgt Ion:252 Resp: 927501

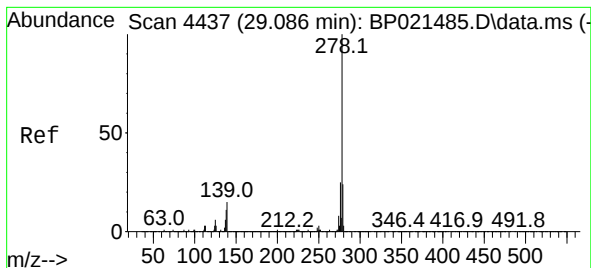
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 12.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 7.696 ng

RT: 29.062 min Scan# 4437

Delta R.T. -0.024 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

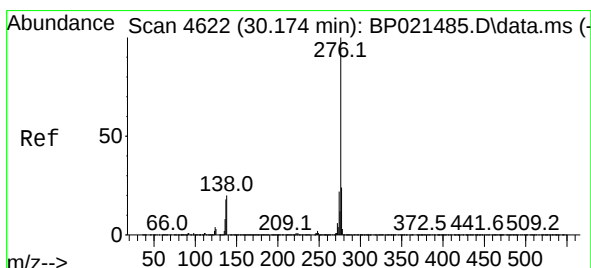
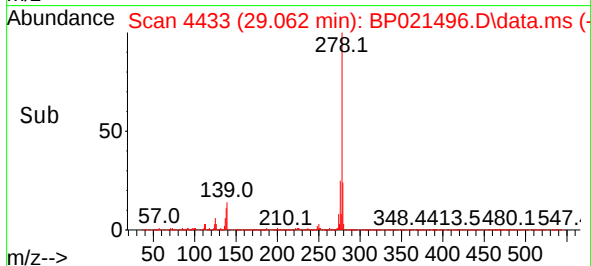
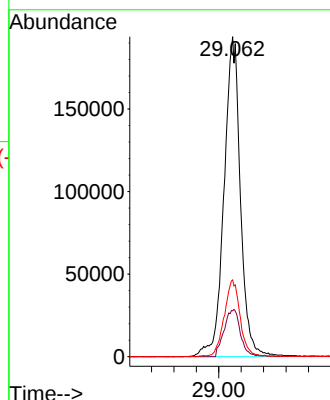
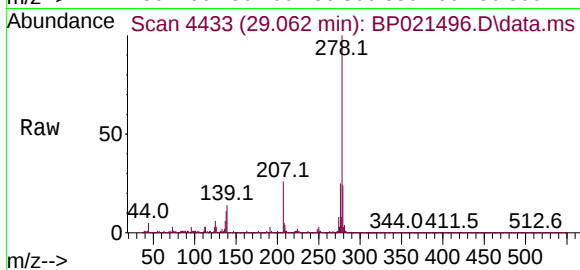
Tgt Ion:278 Resp: 985531

Ion Ratio Lower Upper

278 100

139 14.4 12.2 18.4

279 24.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 7.415 ng

RT: 30.133 min Scan# 4615

Delta R.T. -0.042 min

Lab File: BP021496.D

Acq: 14 Aug 2024 12:06

Tgt Ion:276 Resp: 951757

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 21.2 16.0 24.0

