

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021509.D
 Acq On : 15 Aug 2024 11:18
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-4ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

Quant Time: Aug 15 11:56:59 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	7.805	152	444773	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	2011295	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	1445135	20.000	ng	-0.02
64) Phenanthrene-d10	17.233	188	3303546	20.000	ng	-0.02
76) Chrysene-d12	21.698	240	3096346	20.000	ng	0.00
86) Perylene-d12	25.098	264	2978689	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	3878515	129.483	ng	0.00
7) Phenol-d6	6.963	99	5689916	130.217	ng	0.00
23) Nitrobenzene-d5	8.946	82	3843359	98.630	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	2331991	144.990	ng	-0.02
45) 2-Fluorobiphenyl	13.057	172	7970155	84.170	ng	0.00
79) Terphenyl-d14	19.969	244	12072471	75.746	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	60041	4.227	ng	99
3) Pyridine	3.711	79	143062	3.608	ng	98
4) n-Nitrosodimethylamine	3.617	42	52496	4.405	ng	# 91
6) Aniline	7.128	93	215030	4.922	ng	99
8) 2-Chlorophenol	7.369	128	120282	4.345	ng	99
9) Benzaldehyde	6.946	77	157870	5.643	ng	98
10) Phenol	6.987	94	189271	4.183	ng	95
11) bis(2-Chloroethyl)ether	7.228	93	166182	4.340	ng	98
12) 1,3-Dichlorobenzene	7.693	146	135633	4.125	ng	97
13) 1,4-Dichlorobenzene	7.840	146	137548	4.143	ng	99
14) 1,2-Dichlorobenzene	8.157	146	133464	4.171	ng	97
15) Benzyl Alcohol	8.028	79	137737	4.393	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.316	45	167093	4.739	ng	96
17) 2-Methylphenol	8.228	107	116128	4.060	ng	98
18) Hexachloroethane	8.887	117	55633	4.179	ng	98
19) n-Nitroso-di-n-propyla...	8.599	70	138328	4.583	ng	99
20) 3+4-Methylphenols	8.552	107	158041	4.097	ng	97
22) Acetophenone	8.610	105	264968	4.288	ng	# 99
24) Nitrobenzene	8.987	77	195237	4.613	ng	100
25) Isophorone	9.510	82	392641	4.265	ng	99
26) 2-Nitrophenol	9.699	139	31850	5.215	ng	94
27) 2,4-Dimethylphenol	9.757	122	85430	3.760	ng	98
28) bis(2-Chloroethoxy)met...	9.993	93	242002	4.307	ng	97
29) 2,4-Dichlorophenol	10.228	162	100866	3.758	ng	96
30) 1,2,4-Trichlorobenzene	10.451	180	137478	3.995	ng	97
31) Naphthalene	10.640	128	432576	4.117	ng	100
32) Benzoic acid	9.804	122	24885	5.622	ng	94
33) 4-Chloroaniline	10.740	127	175678	4.451	ng	98
34) Hexachlorobutadiene	10.934	225	84398	3.895	ng	94
35) Caprolactam	11.475	113	45756	4.095	ng	94
36) 4-Chloro-3-methylphenol	11.851	107	146797	3.942	ng	96
37) 2-Methylnaphthalene	12.251	142	297157	4.144	ng	98
38) 1-Methylnaphthalene	12.469	142	286232	4.047	ng	100
40) 1,2,4,5-Tetrachloroben...	12.616	216	170353	4.023	ng	99
41) Hexachlorocyclopentadiene	12.610	237	48723	3.631	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	82308	3.499	ng	93

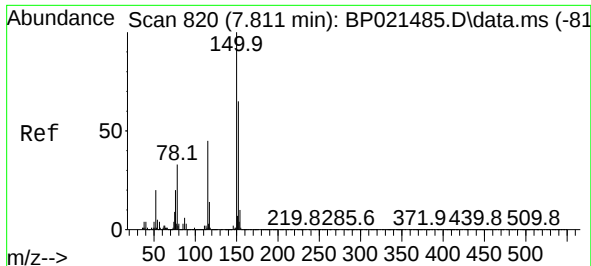
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	94548	3.618	ng	97
46) 1,1'-Biphenyl	13.263	154	430469	4.210	ng	100
47) 2-Chloronaphthalene	13.304	162	318437	4.000	ng	98
48) 2-Nitroaniline	13.492	65	70086	7.952	ng	96
49) Acenaphthylene	14.157	152	519429	4.439	ng	99
50) Dimethylphthalate	13.887	163	425703	4.399	ng	100
51) 2,6-Dinitrotoluene	13.998	165	63940	6.988	ng	94
52) Acenaphthene	14.504	154	313380	4.082	ng	99
53) 3-Nitroaniline	14.328	138	65445	7.097	ng #	89
54) 2,4-Dinitrophenol	14.528	184	14845	6.395	ng #	69
55) Dibenzofuran	14.839	168	519511	4.398	ng	99
56) 4-Nitrophenol	14.628	139	47094	7.826	ng	91
57) 2,4-Dinitrotoluene	14.787	165	70860	7.577	ng	91
58) Fluorene	15.498	166	423248	4.362	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.069	232	89654	4.042	ng #	98
60) Diethylphthalate	15.275	149	436537	4.396	ng	99
61) 4-Chlorophenyl-phenylether	15.498	204	218063	4.348	ng	99
62) 4-Nitroaniline	15.498	138	69835	6.258	ng	92
63) Azobenzene	15.798	77	550767	4.512	ng	99
65) 4,6-Dinitro-2-methylph...	15.569	198	23385	7.584	ng	94
66) n-Nitrosodiphenylamine	15.716	169	364586	4.118	ng	100
67) 4-Bromophenyl-phenylether	16.410	248	128341	3.671	ng	99
68) Hexachlorobenzene	16.528	284	161936	3.919	ng	94
69) Atrazine	16.686	200	126177	4.151	ng	99
70) Pentachlorophenol	16.875	266	66342	2.942	ng	95
71) Phenanthrene	17.281	178	683628	4.303	ng	100
72) Anthracene	17.375	178	648787	4.164	ng	99
73) Carbazole	17.651	167	608876	4.055	ng	99
74) Di-n-butylphthalate	18.251	149	708923	3.844	ng	99
75) Fluoranthene	19.363	202	773721	3.969	ng	99
77) Benzidine	19.557	184	211373	6.819	ng	99
78) Pyrene	19.739	202	836851	4.135	ng	100
80) Butylbenzylphthalate	20.704	149	208104	6.108	ng	94
81) Benzo(a)anthracene	21.674	228	800948	4.121	ng	100
82) 3,3'-Dichlorobenzidine	21.598	252	216395	3.472	ng	98
83) Chrysene	21.745	228	759519	4.139	ng	99
84) Bis(2-ethylhexyl)phtha...	21.639	149	377936	3.290	ng	99
85) Di-n-octyl phthalate	22.951	149	444984	6.819	ng	97
87) Indeno(1,2,3-cd)pyrene	28.962	276	628413	3.255	ng	97
88) Benzo(b)fluoranthene	24.021	252	684912	4.004	ng	98
89) Benzo(k)fluoranthene	24.092	252	673993	4.039	ng	98
90) Benzo(a)pyrene	24.927	252	557245	3.754	ng	98
91) Dibenzo(a,h)anthracene	29.050	278	525517	3.276	ng	99
92) Benzo(g,h,i)perylene	30.145	276	505802	3.146	ng	97

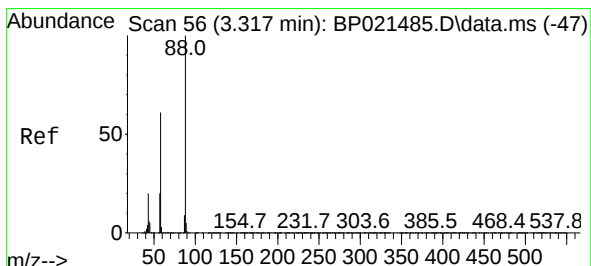
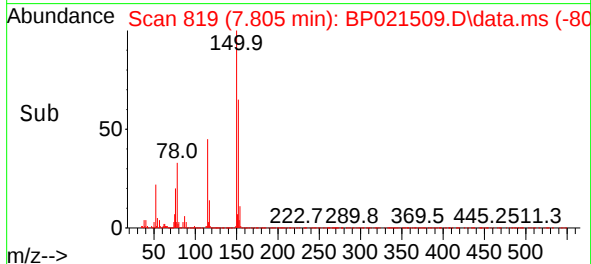
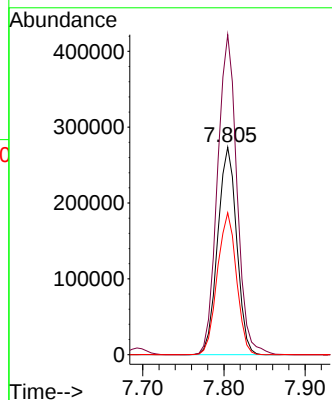
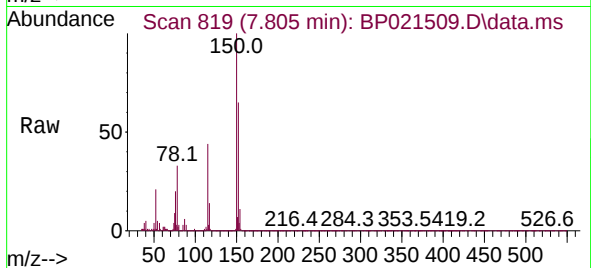
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

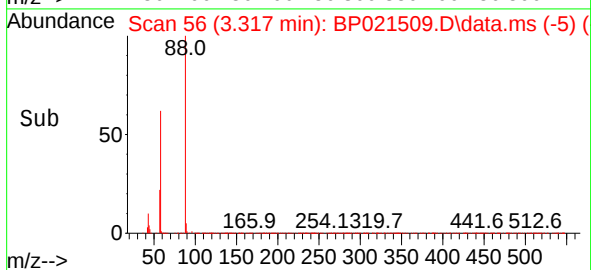
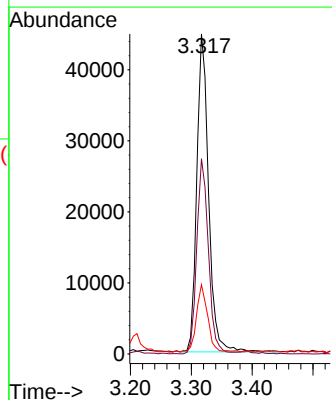
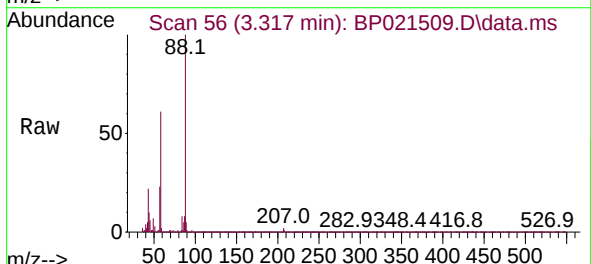
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

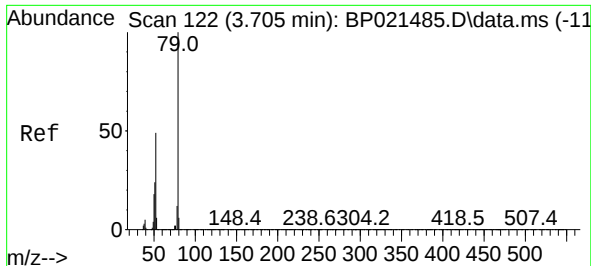
Tgt Ion:152 Resp: 444773
Ion Ratio Lower Upper
152 100
150 154.2 122.4 183.6
115 68.4 54.7 82.1



#2
1,4-Dioxane
Concen: 4.227 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 88 Resp: 60041
Ion Ratio Lower Upper
88 100
58 60.6 48.7 73.1
43 20.7 15.4 23.2





#3

Pyridine

Concen: 3.608 ng

RT: 3.711 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

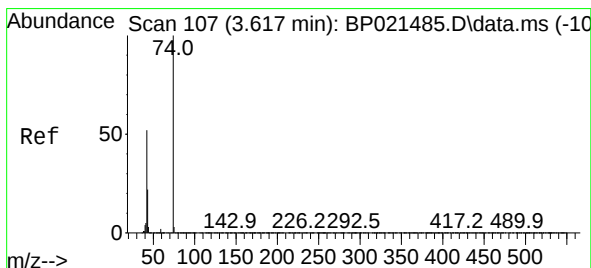
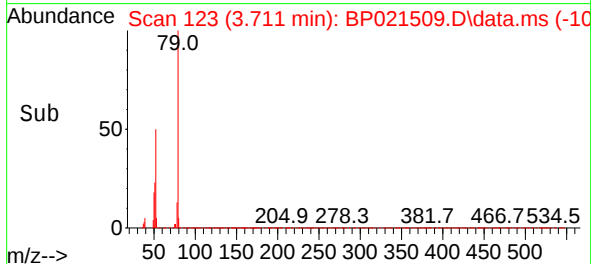
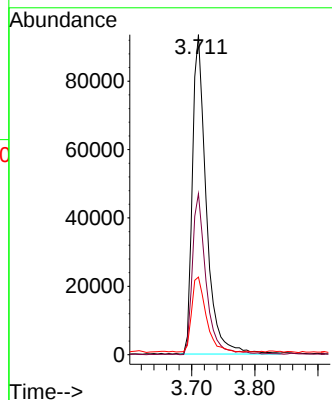
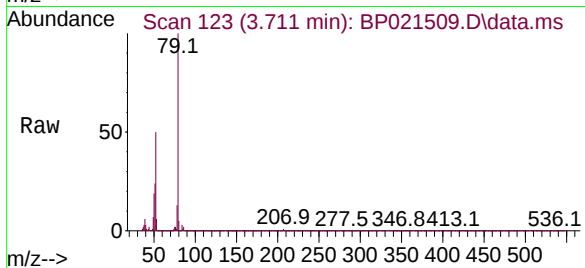
Tgt Ion: 79 Resp: 143062

Ion Ratio Lower Upper

79 100

52 50.3 39.0 58.6

51 24.2 19.2 28.8



#4

n-Nitrosodimethylamine

Concen: 4.405 ng

RT: 3.617 min Scan# 107

Delta R.T. -0.000 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

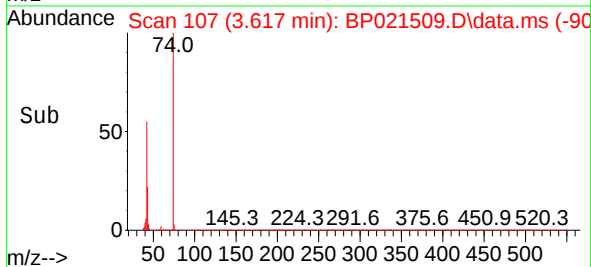
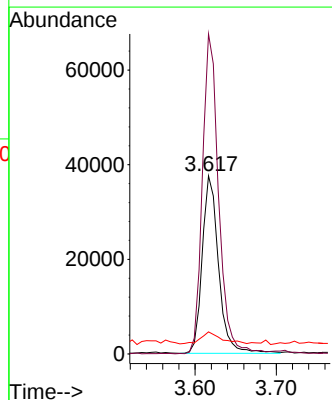
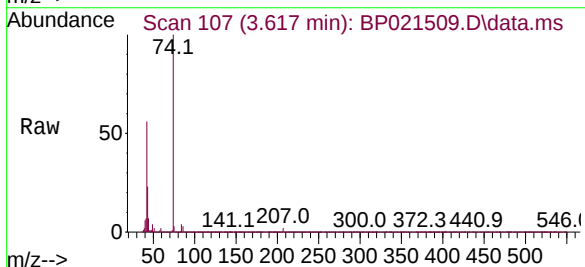
Tgt Ion: 42 Resp: 52496

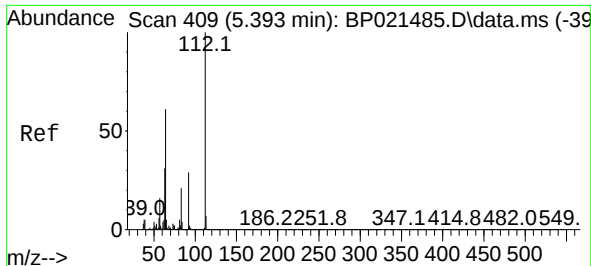
Ion Ratio Lower Upper

42 100

74 179.8 154.3 231.5

44 12.4 6.2 9.4#

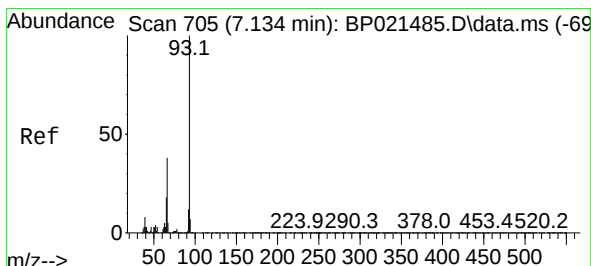
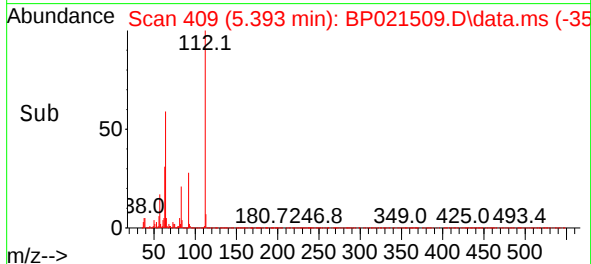
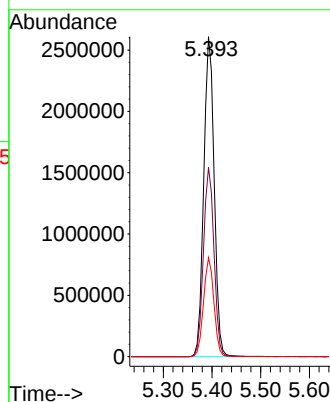
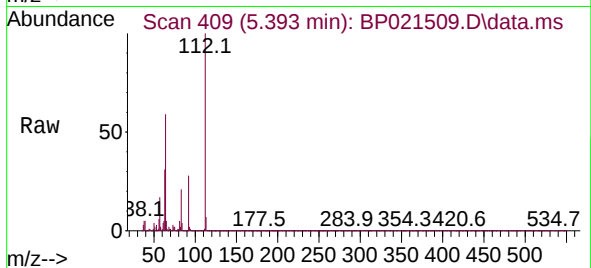




#5
2-Fluorophenol
Concen: 129.483 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

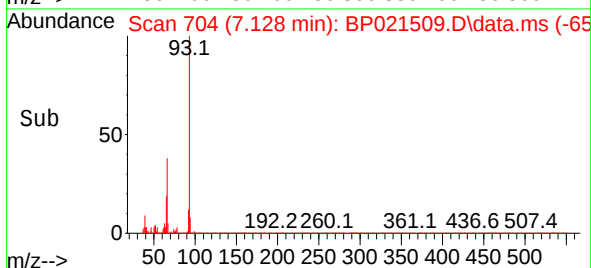
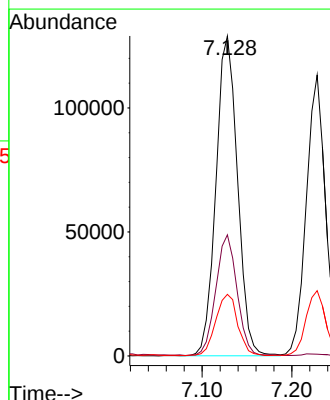
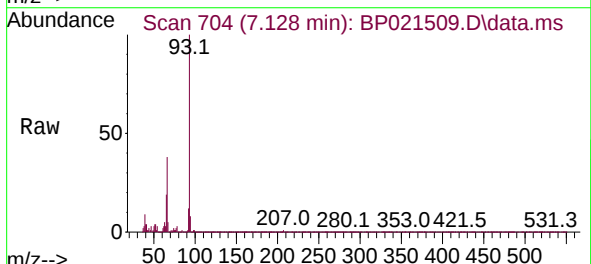
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

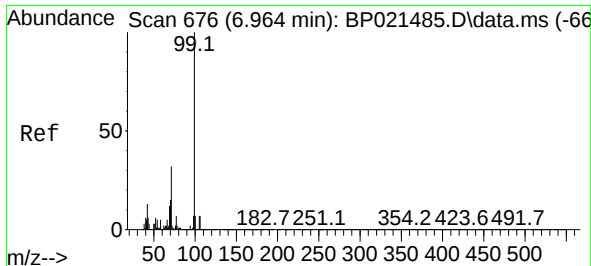
Tgt Ion:112 Resp: 3878515
Ion Ratio Lower Upper
112 100
64 59.2 49.0 73.6
63 31.0 24.6 36.8



#6
Aniline
Concen: 4.922 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 93 Resp: 215030
Ion Ratio Lower Upper
93 100
66 37.9 30.2 45.2
65 19.2 14.7 22.1

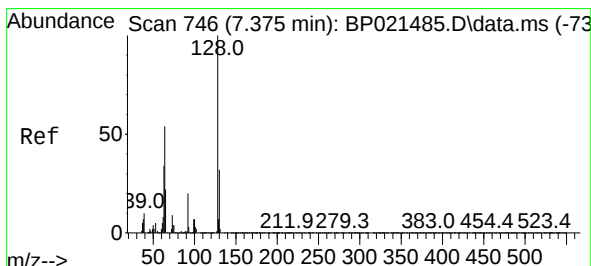
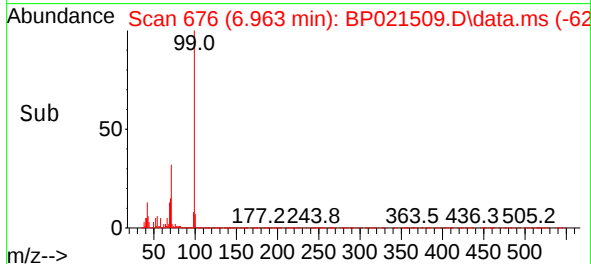
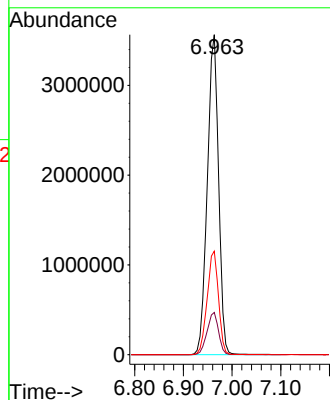
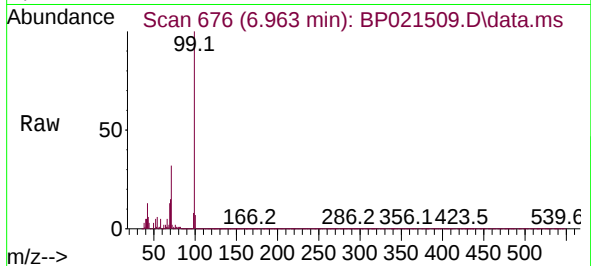




#7
Phenol-d6
Concen: 130.217 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

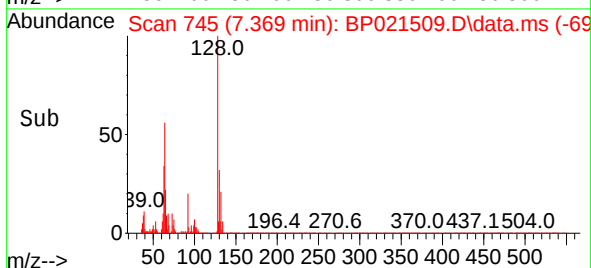
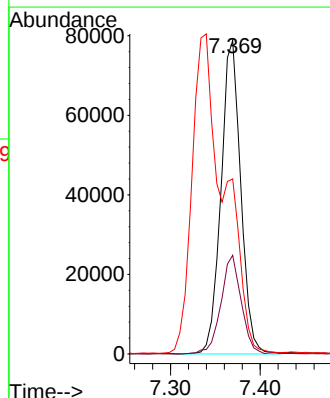
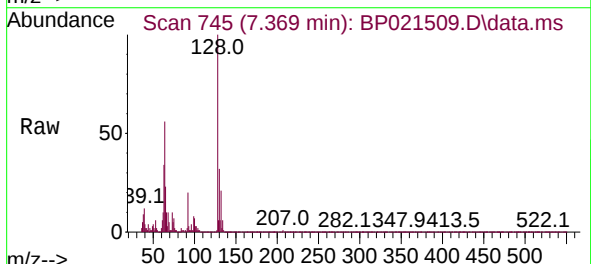
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ClientSampleId :
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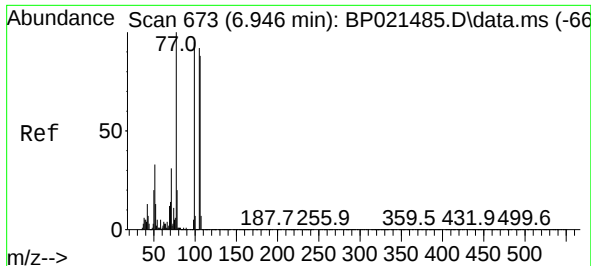
Tgt Ion: 99 Resp: 5689916
Ion Ratio Lower Upper
99 100
42 13.2 10.2 15.4
71 32.3 25.8 38.8



#8
2-Chlorophenol
Concen: 4.345 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:128 Resp: 120282
Ion Ratio Lower Upper
128 100
130 31.5 11.6 51.6
64 55.8 35.3 75.3

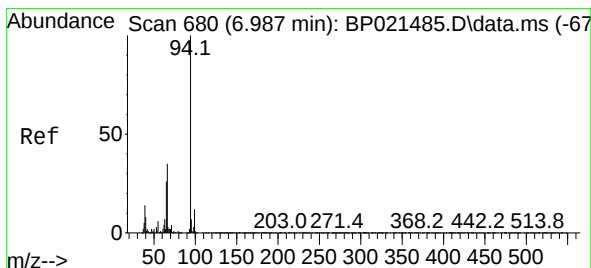
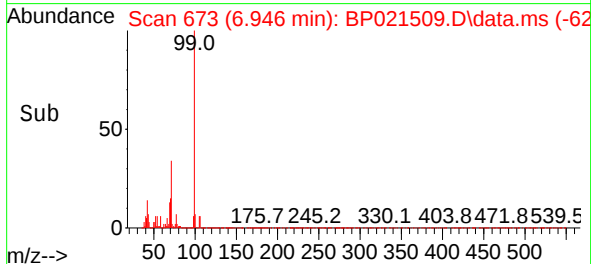
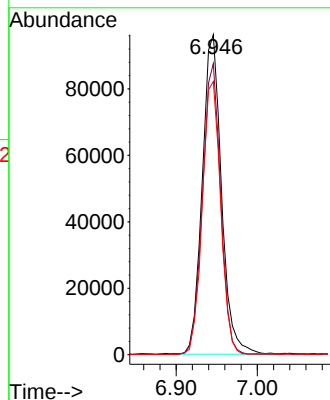
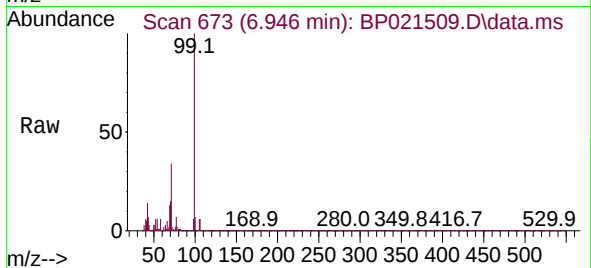




#9
Benzaldehyde
Concen: 5.643 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

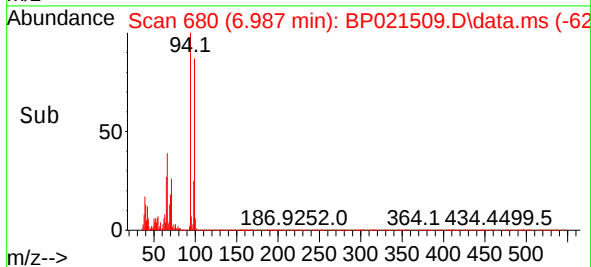
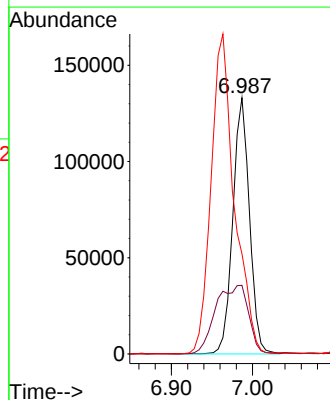
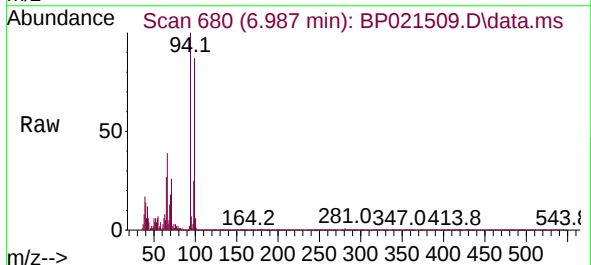
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ClientSampleId :
MDL-SOIL-03-QT3-2024

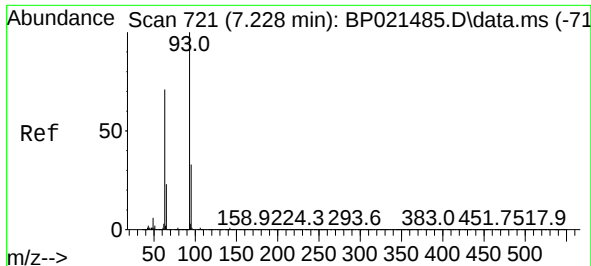
Tgt Ion: 77 Resp: 157870
Ion Ratio Lower Upper
77 100
105 91.0 72.1 112.1
106 85.3 67.9 107.9



#10
Phenol
Concen: 4.183 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 94 Resp: 189271
Ion Ratio Lower Upper
94 100
65 26.8 6.5 46.5
66 39.1 14.7 54.7

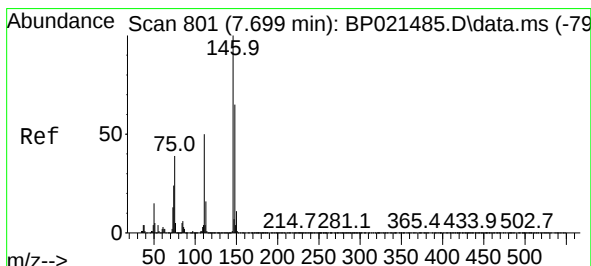
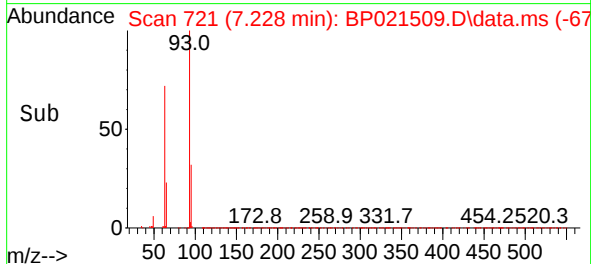
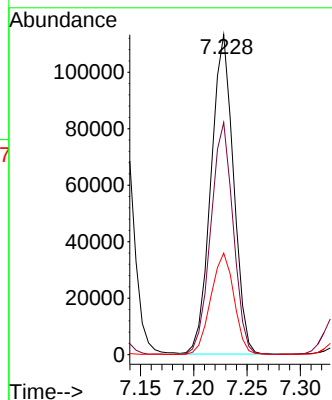
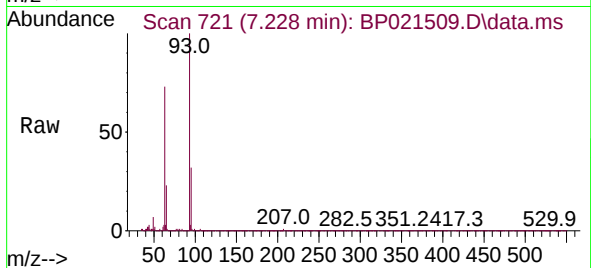




#11
bis(2-Chloroethyl)ether
Concen: 4.340 ng
RT: 7.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

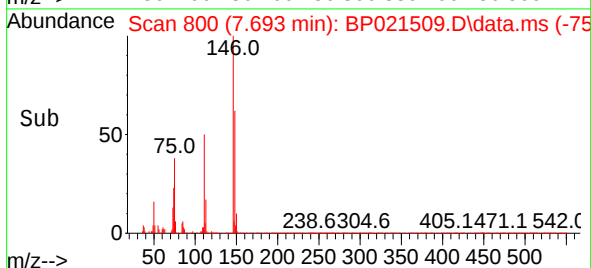
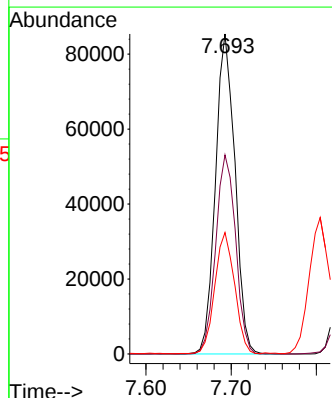
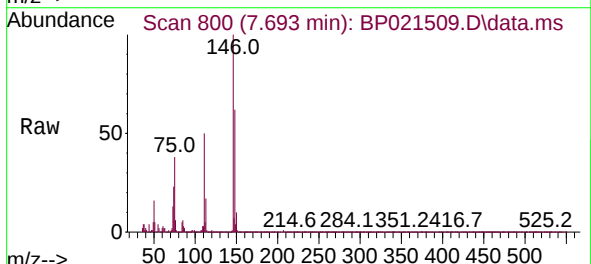
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

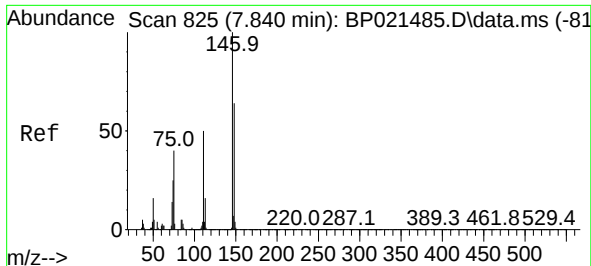
Tgt Ion: 93 Resp: 166182
Ion Ratio Lower Upper
93 100
63 72.5 51.0 91.0
95 31.7 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 4.125 ng
RT: 7.693 min Scan# 800
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:146 Resp: 135633
Ion Ratio Lower Upper
146 100
148 62.2 51.8 77.6
75 38.0 31.3 46.9

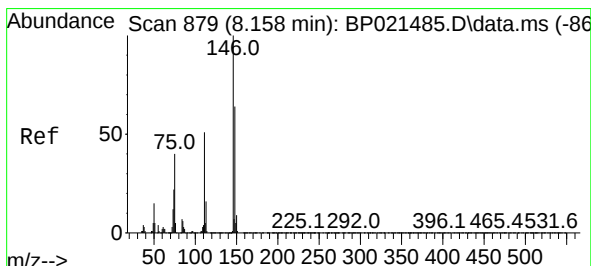
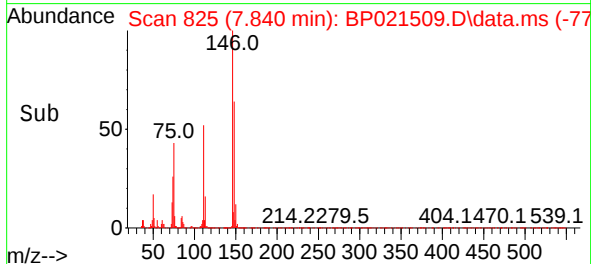
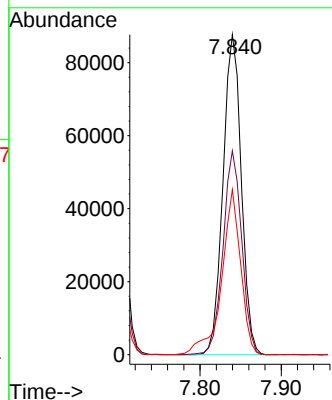
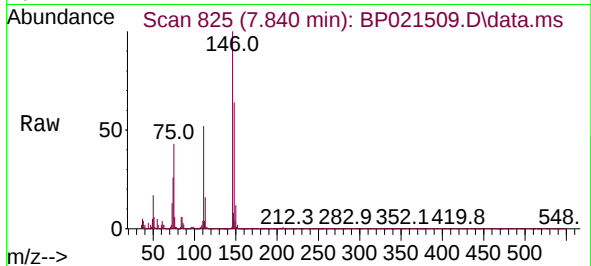




#13
1,4-Dichlorobenzene
Concen: 4.143 ng
RT: 7.840 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

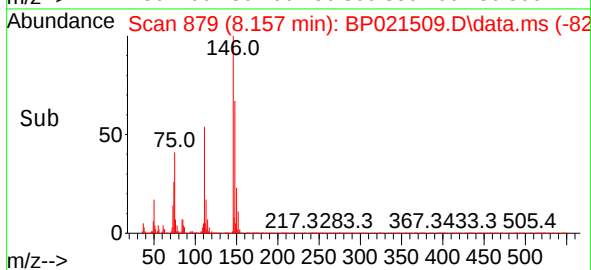
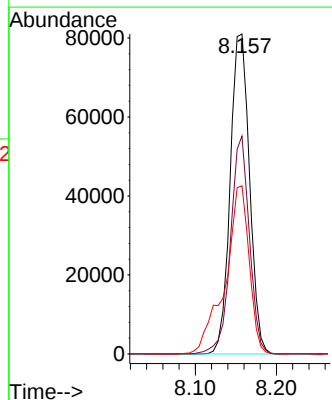
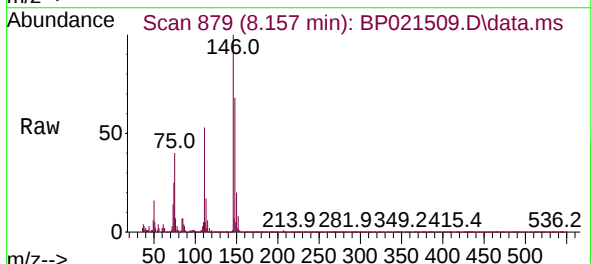
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

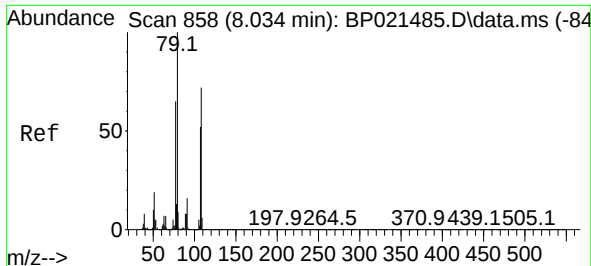
Tgt Ion:146 Resp: 137548
Ion Ratio Lower Upper
146 100
148 63.7 51.5 77.3
111 51.6 40.3 60.5



#14
1,2-Dichlorobenzene
Concen: 4.171 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:146 Resp: 133464
Ion Ratio Lower Upper
146 100
148 68.1 51.5 77.3
111 52.5 41.1 61.7

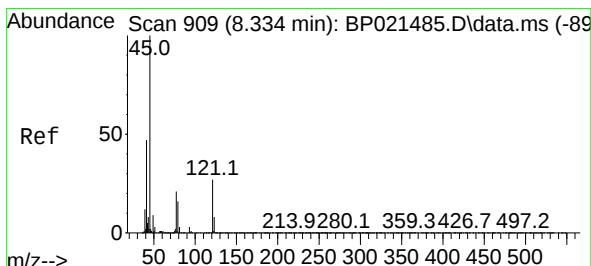
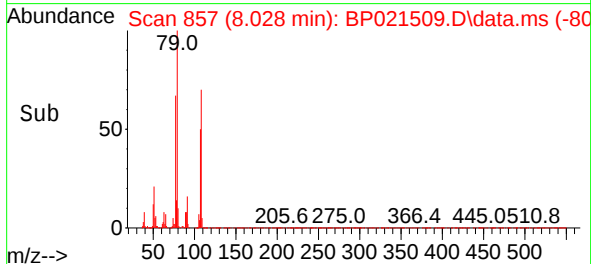
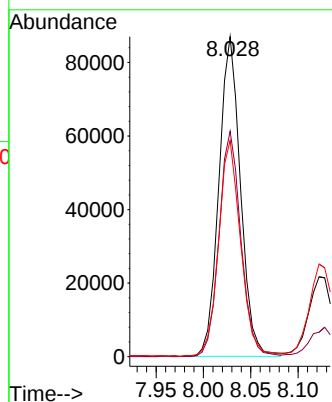
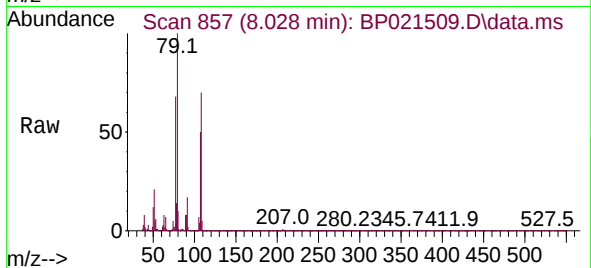




#15
Benzyl Alcohol
Concen: 4.393 ng
RT: 8.028 min Scan# 857
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

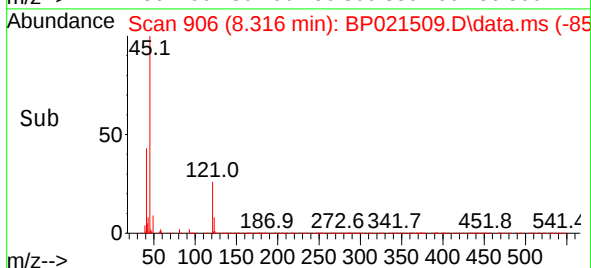
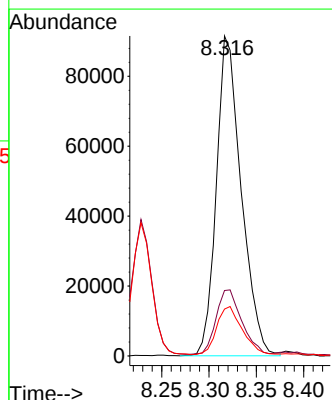
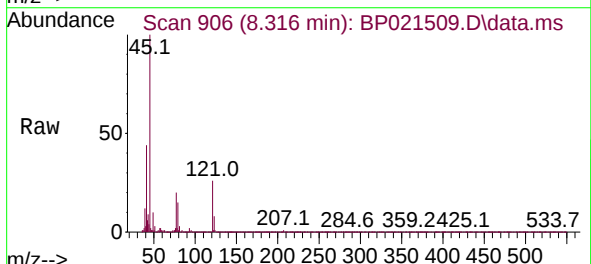
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

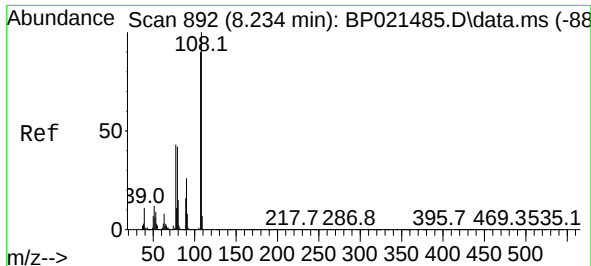
Tgt Ion: 79 Resp: 137737
Ion Ratio Lower Upper
79 100
108 70.4 57.9 86.9
77 67.5 51.8 77.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.739 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.018 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 45 Resp: 167093
Ion Ratio Lower Upper
45 100
77 20.5 1.9 41.9
79 14.6 0.0 36.6

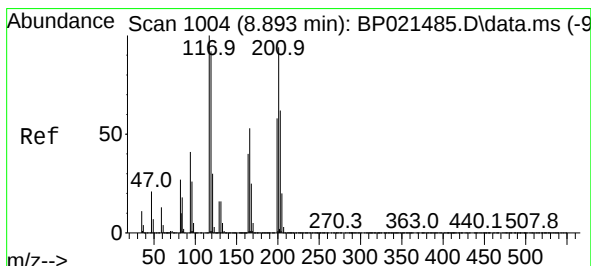
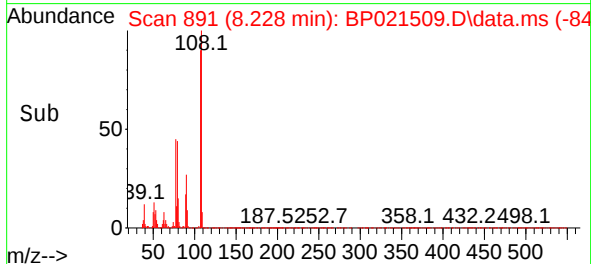
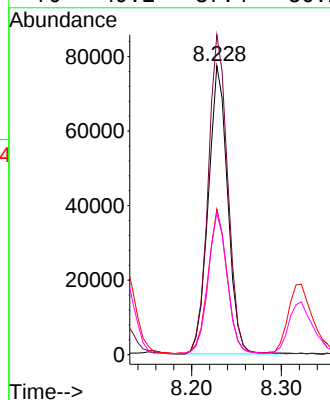
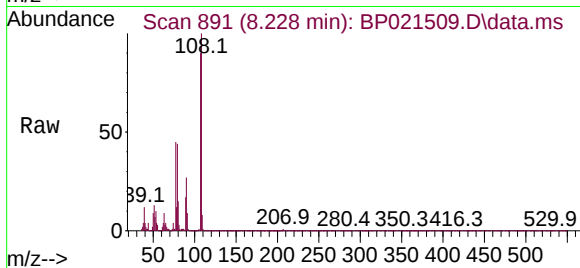




#17
2-Methylphenol
Concen: 4.060 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

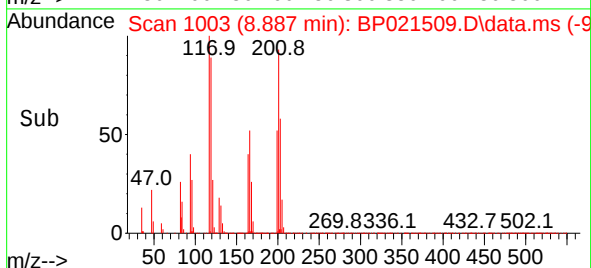
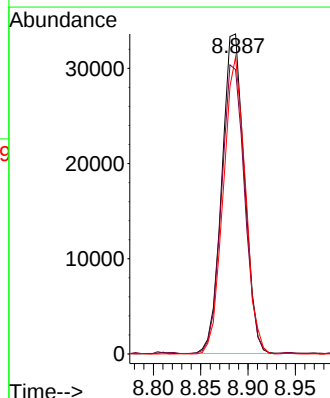
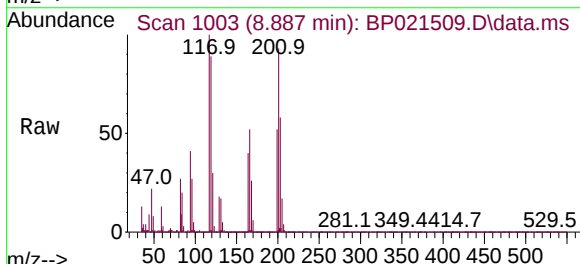
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

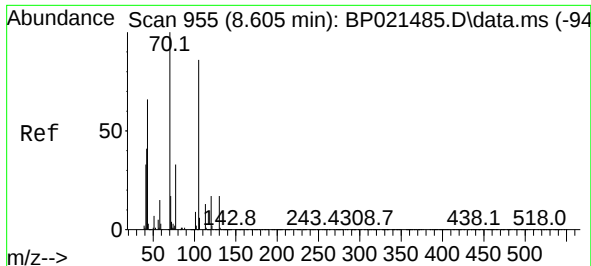
Tgt Ion:107 Resp: 116128
Ion Ratio Lower Upper
107 100
108 110.7 88.8 133.2
77 50.4 38.7 58.1
79 49.1 37.4 56.2



#18
Hexachloroethane
Concen: 4.179 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:117 Resp: 55633
Ion Ratio Lower Upper
117 100
119 88.8 73.9 110.9
201 92.8 74.9 112.3

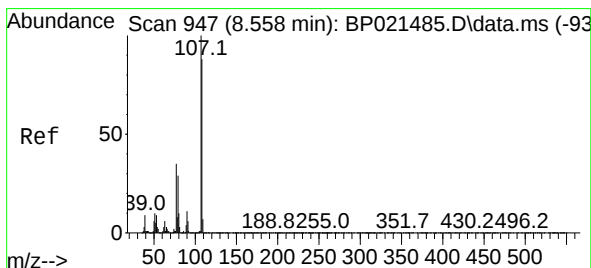
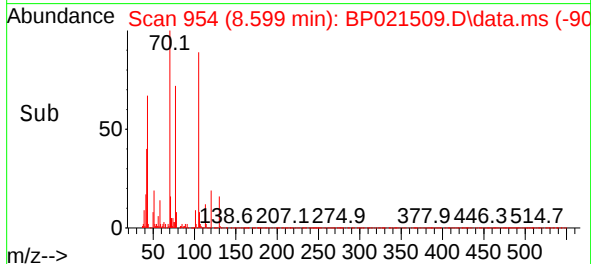
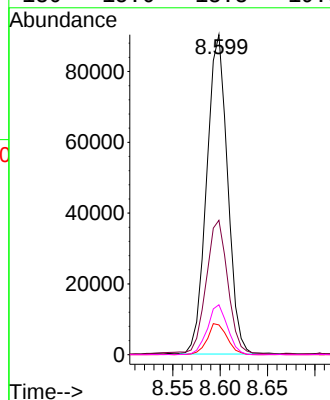
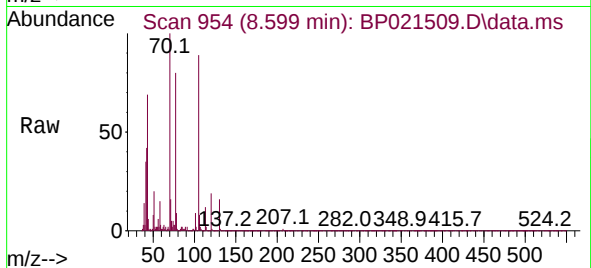




#19
n-Nitroso-di-n-propylamine
Concen: 4.583 ng
RT: 8.599 min Scan# 945
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

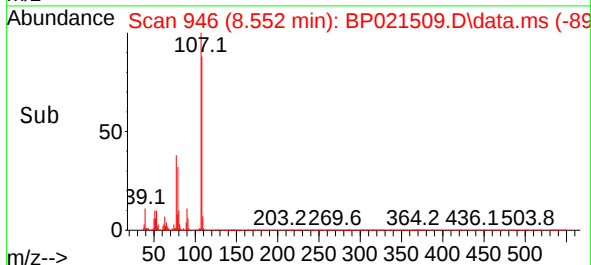
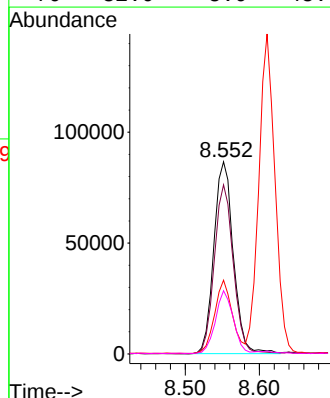
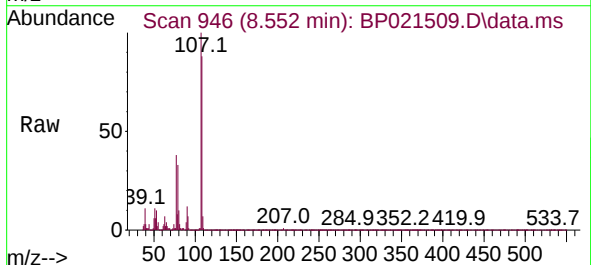
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

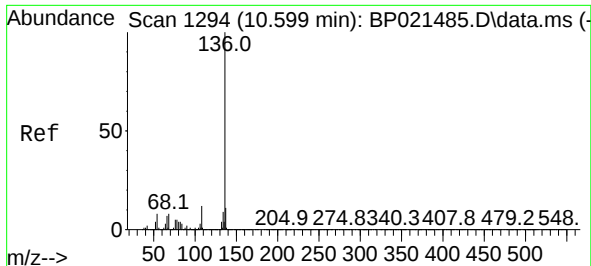
Tgt Ion: 70 Resp: 138328
Ion Ratio Lower Upper
70 100
42 42.0 33.1 49.7
101 9.3 7.4 11.2
130 15.6 13.3 19.9



#20
3+4-Methylphenols
Concen: 4.097 ng
RT: 8.552 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:107 Resp: 158041
Ion Ratio Lower Upper
107 100
108 88.0 67.6 107.6
77 38.4 15.0 55.0
79 32.9 8.9 48.9



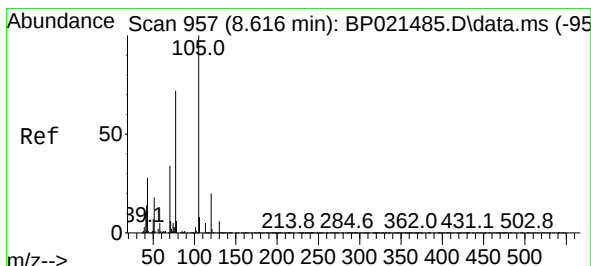
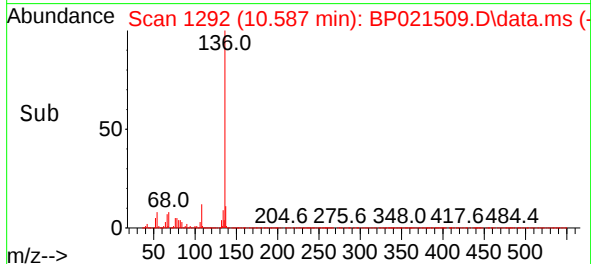
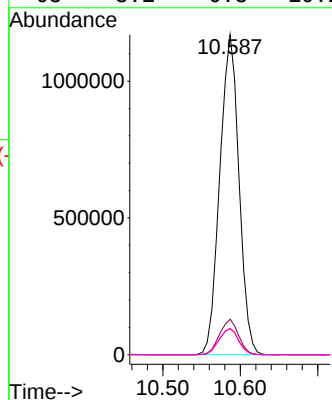
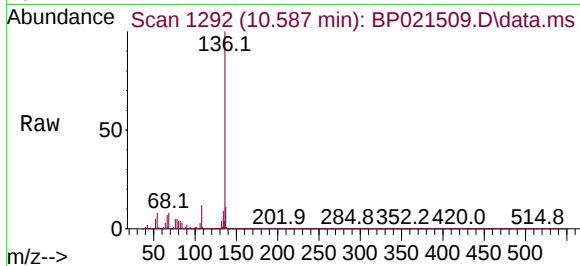


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2024

Tgt Ion:136 Resp: 2011295

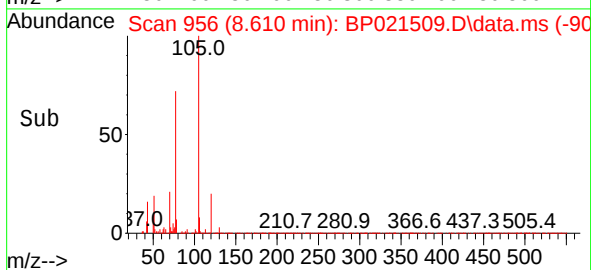
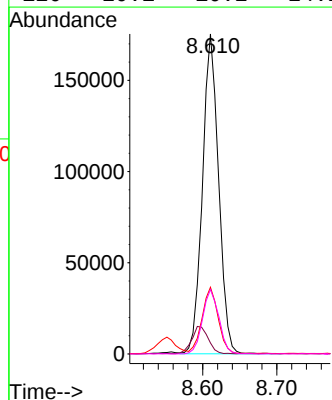
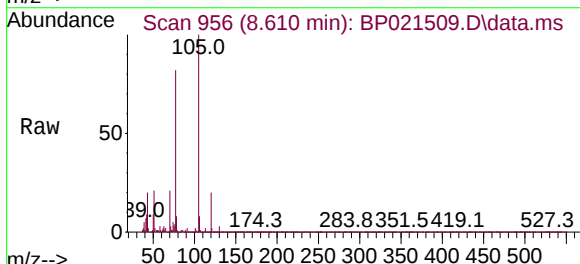
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.2	6.3	9.5
68	8.1	6.8	10.2

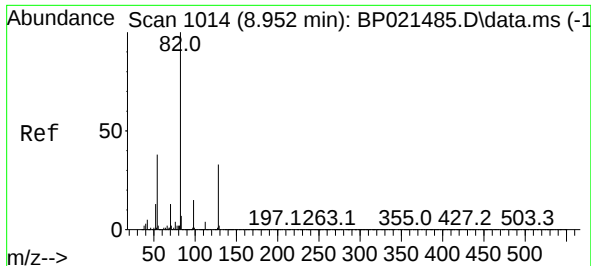


#22
Acetophenone
Concen: 4.288 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:105 Resp: 264968

Ion	Ratio	Lower	Upper
105	100		
71	3.4	4.6	7.0#
51	20.9	16.3	24.5
120	20.1	16.2	24.2





#23

Nitrobenzene-d5

Concen: 98.630 ng

RT: 8.946 min Scan# 1013

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

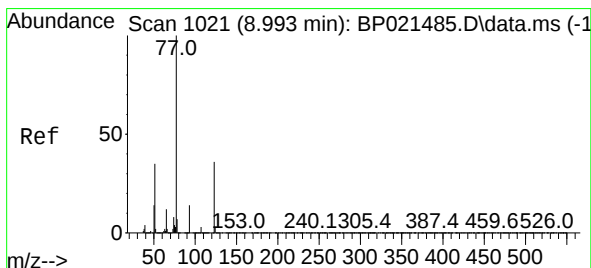
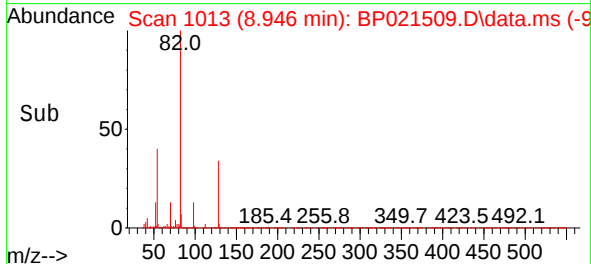
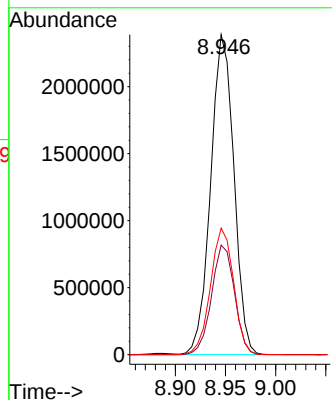
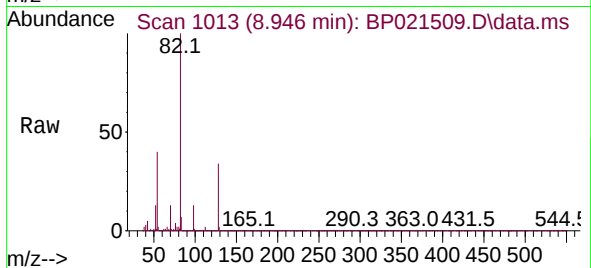
Tgt Ion: 82 Resp: 3843359

Ion Ratio Lower Upper

82 100

128 34.2 26.5 39.7

54 39.6 30.3 45.5



#24

Nitrobenzene

Concen: 4.613 ng

RT: 8.987 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

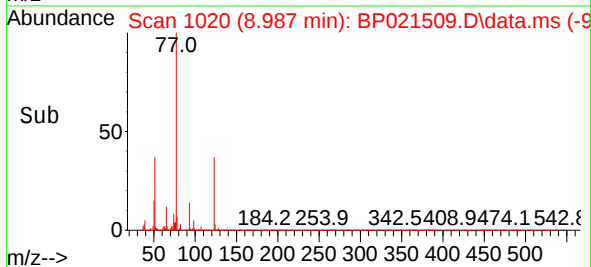
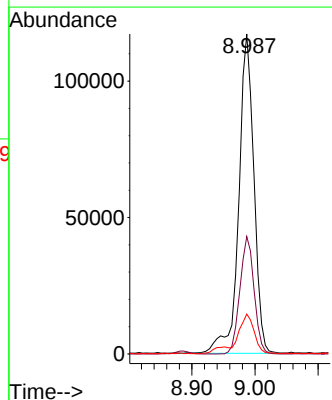
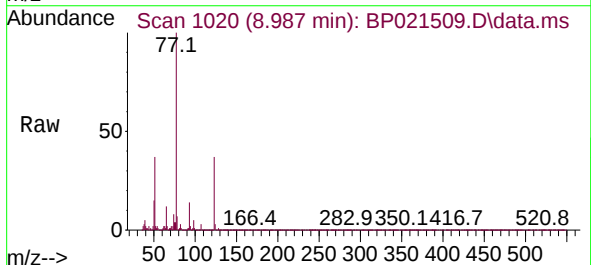
Tgt Ion: 77 Resp: 195237

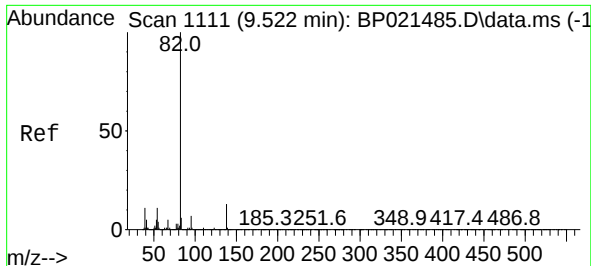
Ion Ratio Lower Upper

77 100

123 36.7 29.5 44.3

65 12.5 9.9 14.9

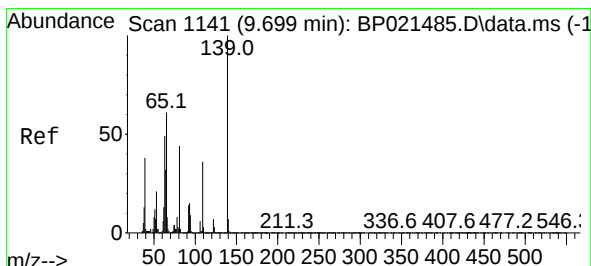
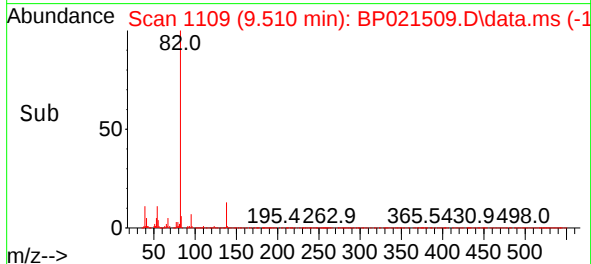
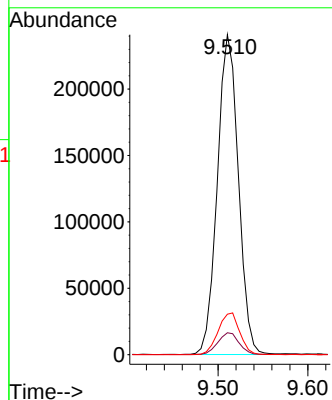
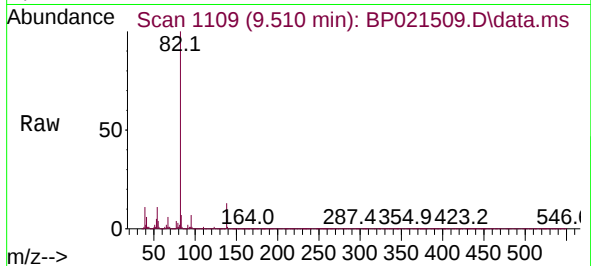




#25
Isophorone
Concen: 4.265 ng
RT: 9.510 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

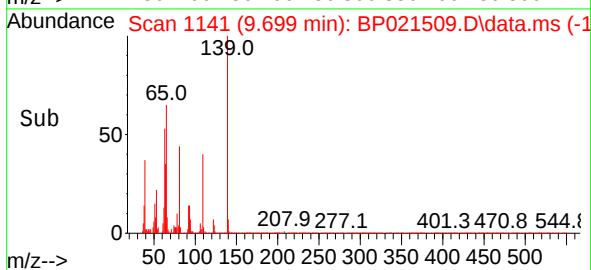
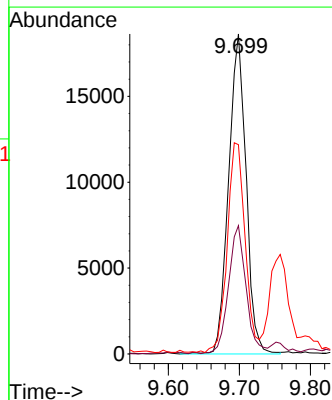
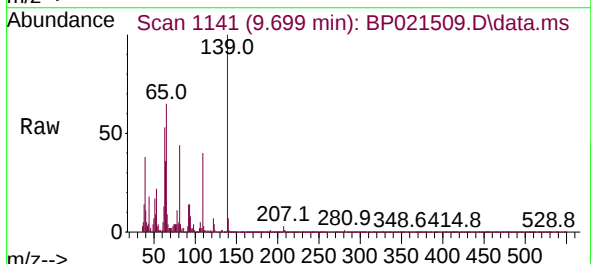
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

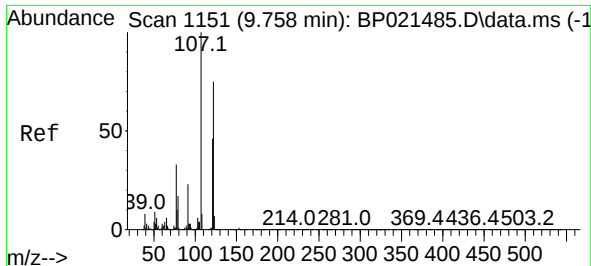
Tgt Ion: 82 Resp: 392641
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 12.7 10.6 16.0



#26
2-Nitrophenol
Concen: 5.215 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 139 Resp: 31850
Ion Ratio Lower Upper
139 100
109 40.1 28.9 43.3
65 65.4 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 3.760 ng

RT: 9.757 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

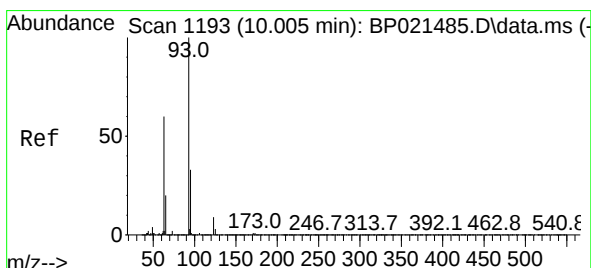
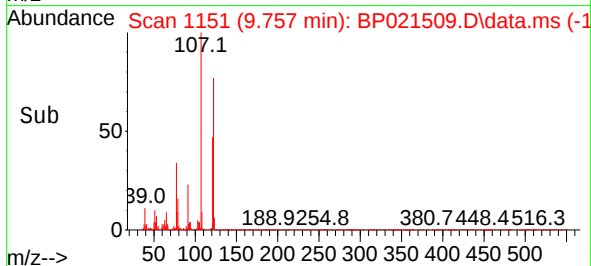
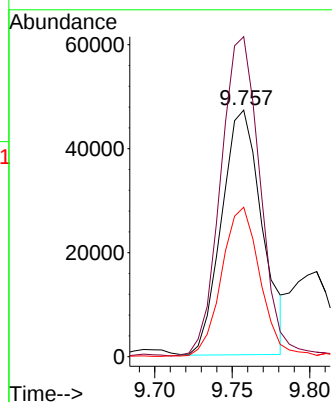
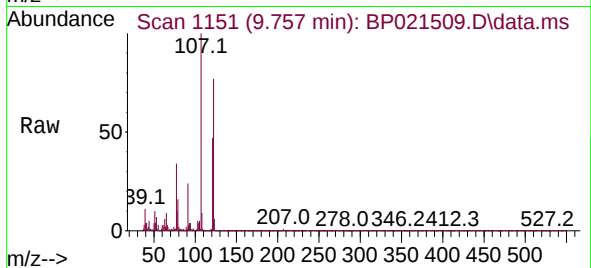
Tgt Ion:122 Resp: 85430

Ion Ratio Lower Upper

122 100

107 129.8 106.2 159.4

121 60.6 48.8 73.2



#28

bis(2-Chloroethoxy)methane

Concen: 4.307 ng

RT: 9.993 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

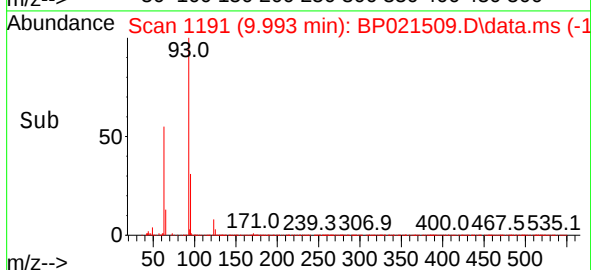
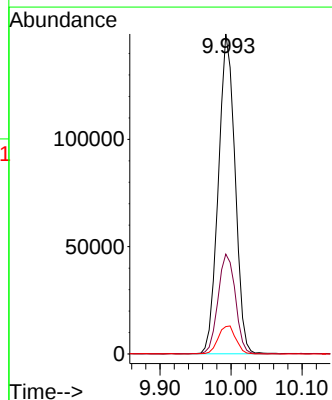
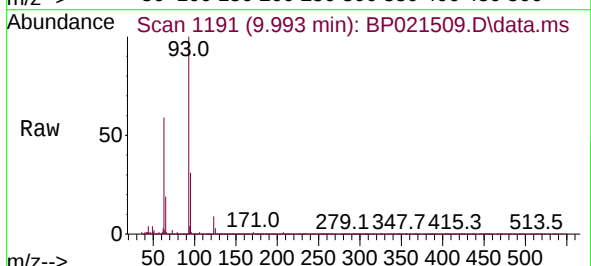
Tgt Ion: 93 Resp: 242002

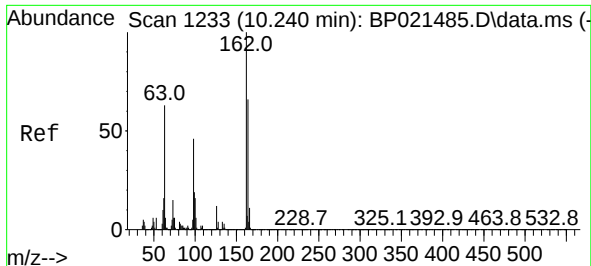
Ion Ratio Lower Upper

93 100

95 31.2 26.2 39.4

123 8.6 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 3.758 ng

RT: 10.228 min Scan# 1231

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

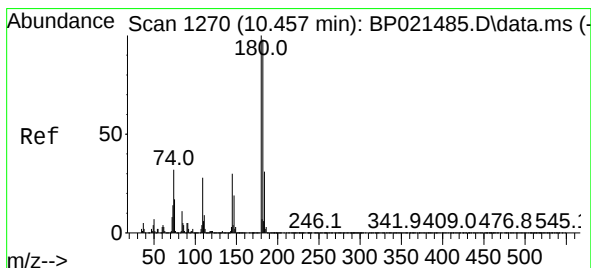
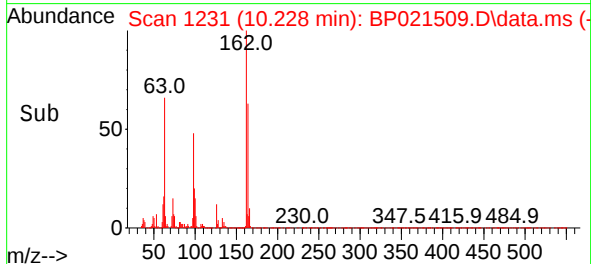
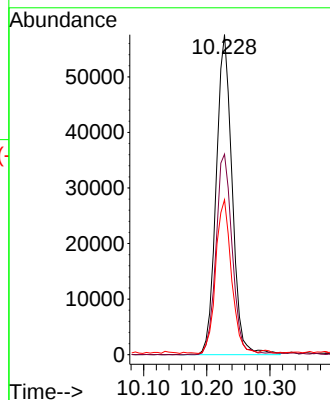
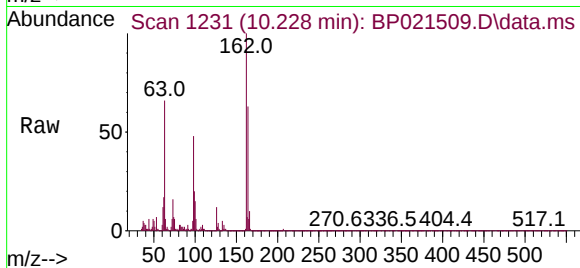
Tgt Ion:162 Resp: 100866

Ion Ratio Lower Upper

162 100

164 62.6 45.9 85.9

98 48.4 26.3 66.3



#30

1,2,4-Trichlorobenzene

Concen: 3.995 ng

RT: 10.451 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

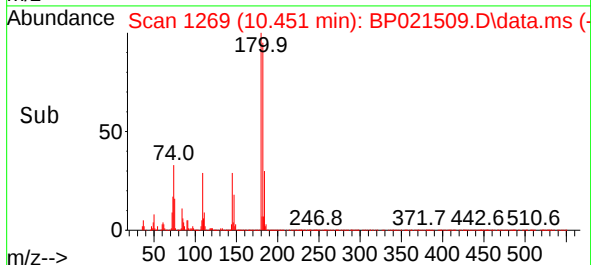
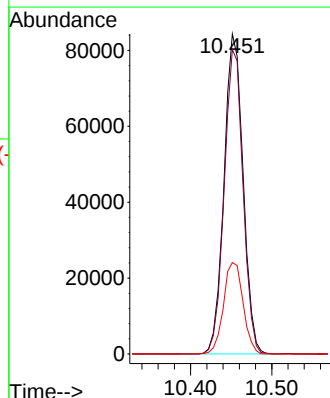
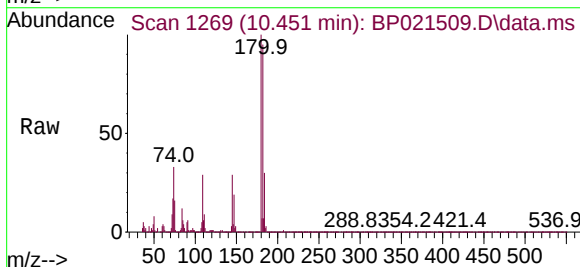
Tgt Ion:180 Resp: 137478

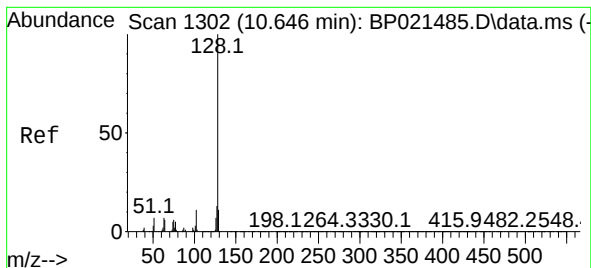
Ion Ratio Lower Upper

180 100

182 95.2 78.3 117.5

145 28.6 24.0 36.0





#31

Naphthalene

Concen: 4.117 ng

RT: 10.640 min Scan# 1115

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

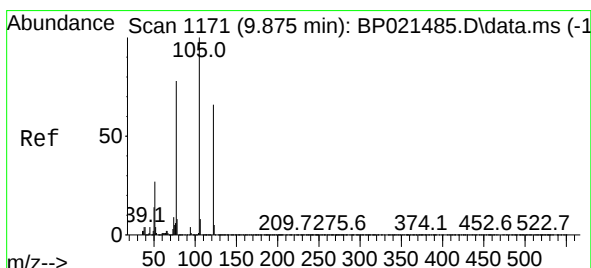
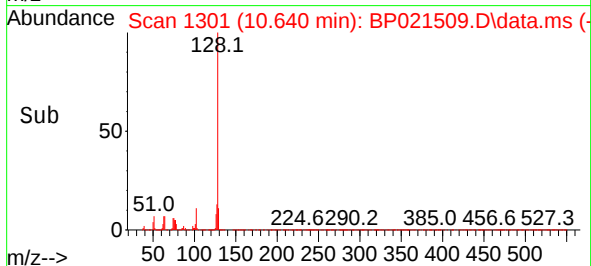
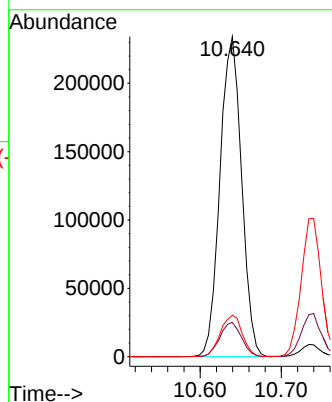
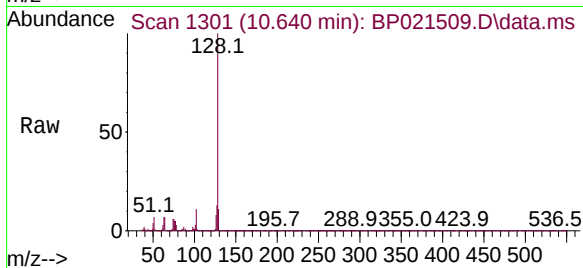
Tgt Ion:128 Resp: 432576

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 12.9 10.6 15.8



#32

Benzoic acid

Concen: 5.622 ng

RT: 9.804 min Scan# 1159

Delta R.T. -0.071 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

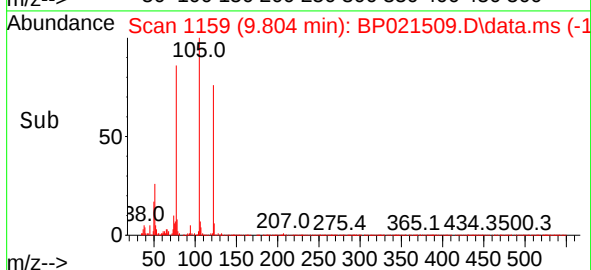
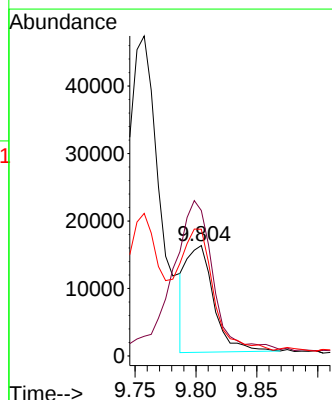
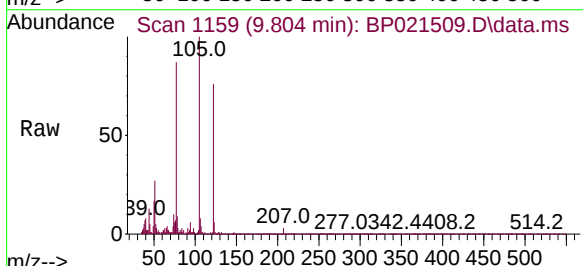
Tgt Ion:122 Resp: 24885

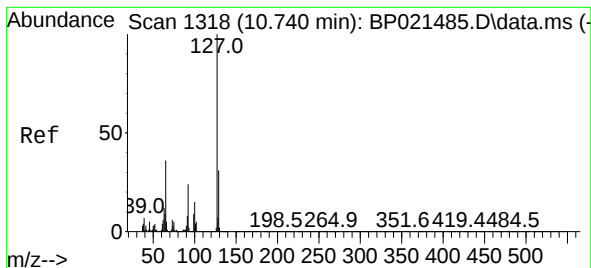
Ion Ratio Lower Upper

122 100

105 131.8 124.6 164.6

77 114.8 96.2 136.2





#33

4-Chloroaniline

Concen: 4.451 ng

RT: 10.740 min Scan# 1318

Delta R.T. -0.000 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:127 Resp: 175678

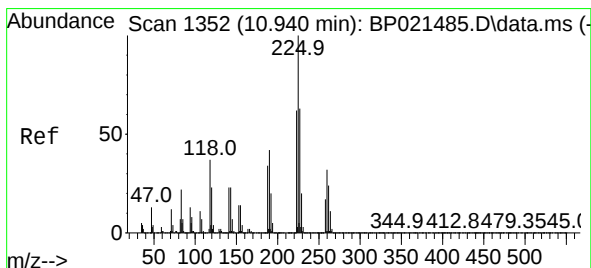
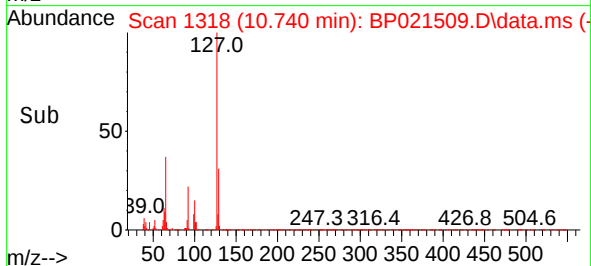
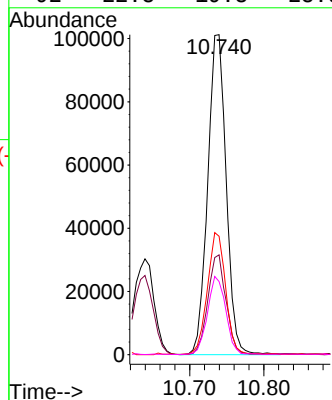
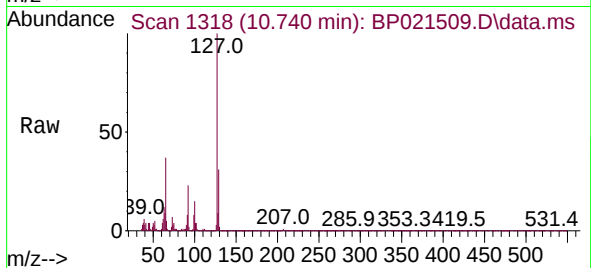
Ion Ratio Lower Upper

127 100

129 31.2 24.5 36.7

65 37.0 28.9 43.3

92 22.8 19.3 28.9



#34

Hexachlorobutadiene

Concen: 3.895 ng

RT: 10.934 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

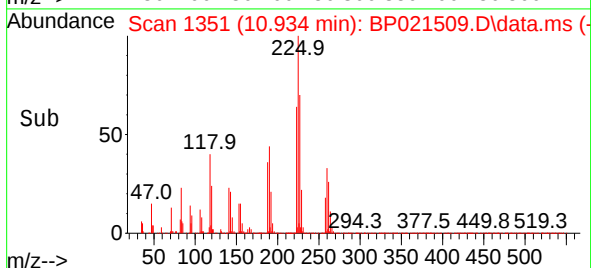
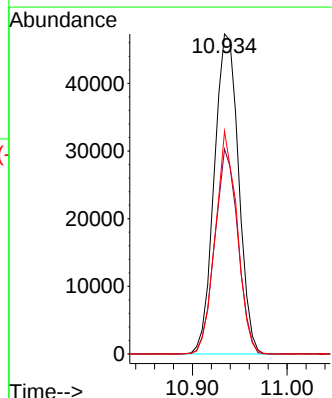
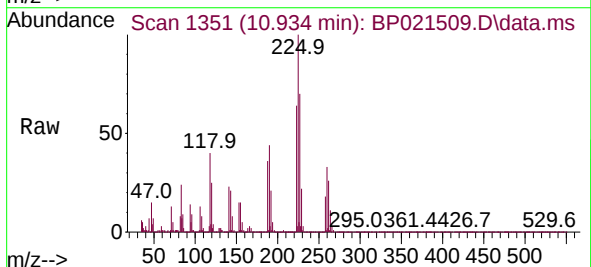
Tgt Ion:225 Resp: 84398

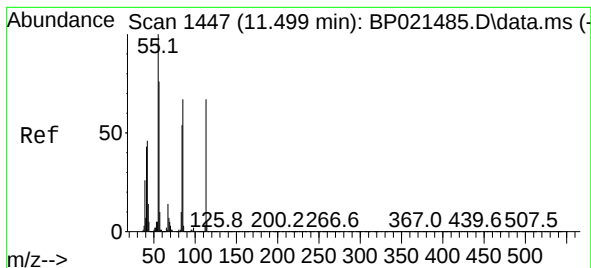
Ion Ratio Lower Upper

225 100

223 64.1 49.6 74.4

227 69.6 50.1 75.1





#35

Caprolactam

Concen: 4.095 ng

RT: 11.475 min Scan# 1447

Delta R.T. -0.024 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

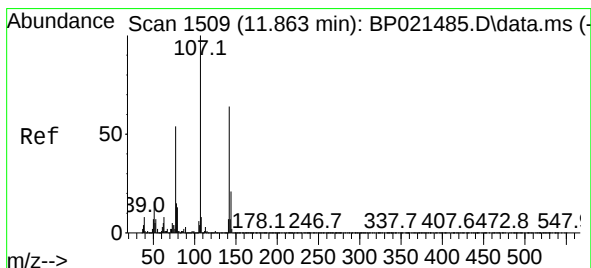
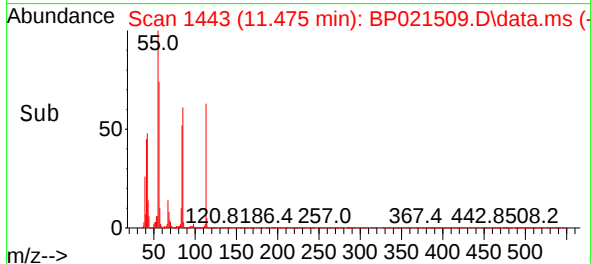
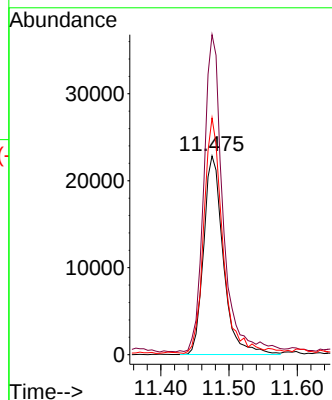
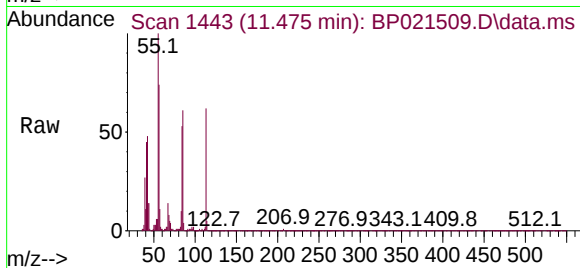
Tgt Ion:113 Resp: 45756

Ion Ratio Lower Upper

113 100

55 161.0 130.6 170.6

56 119.2 94.6 134.6



#36

4-Chloro-3-methylphenol

Concen: 3.942 ng

RT: 11.851 min Scan# 1507

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

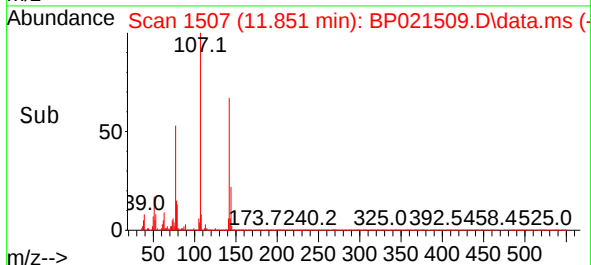
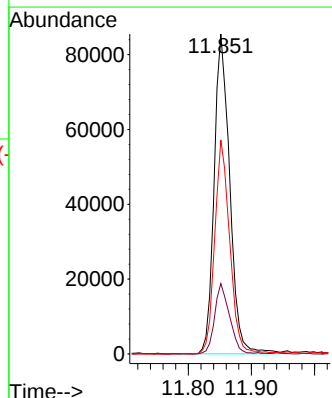
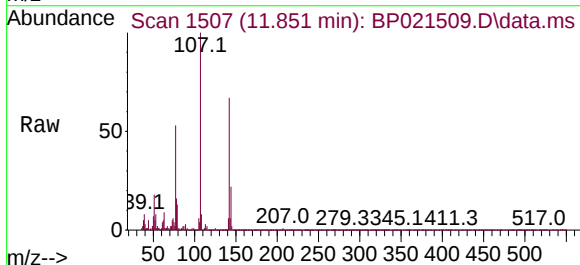
Tgt Ion:107 Resp: 146797

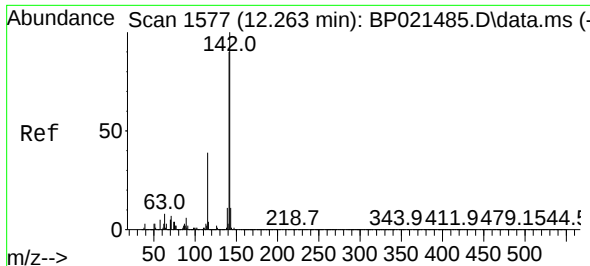
Ion Ratio Lower Upper

107 100

144 22.0 16.6 24.8

142 66.9 51.0 76.4

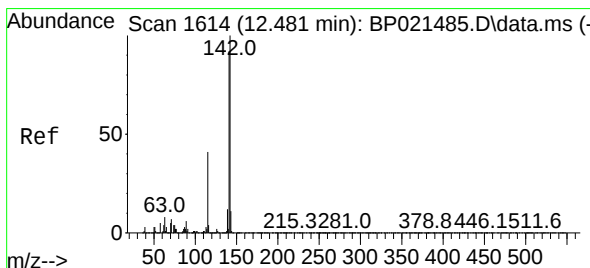
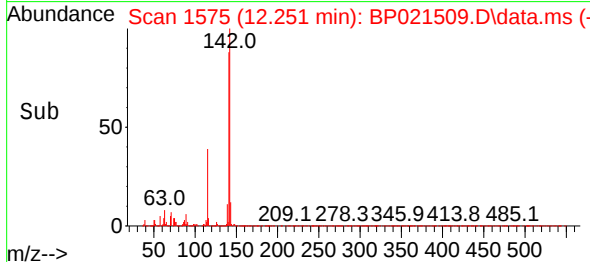
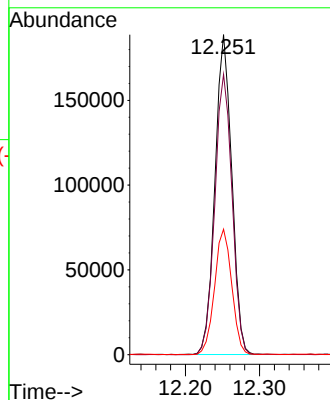
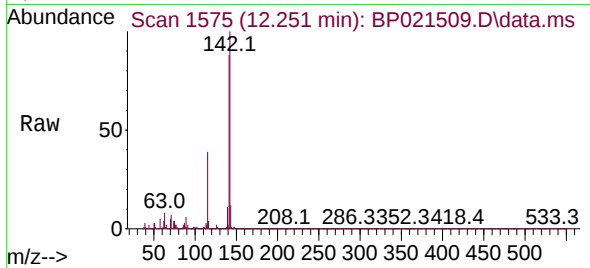




#37
2-Methylnaphthalene
Concen: 4.144 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

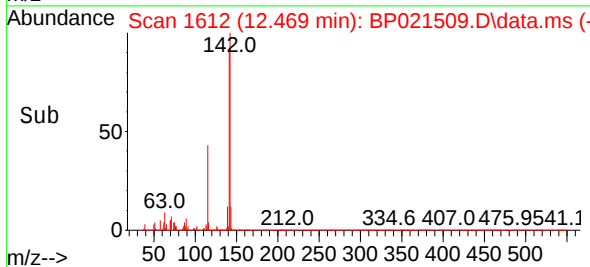
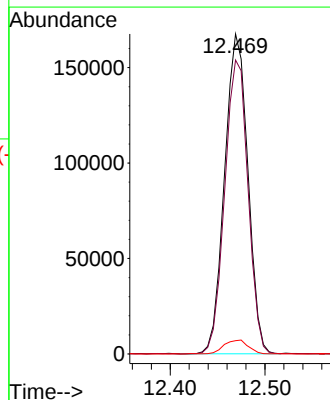
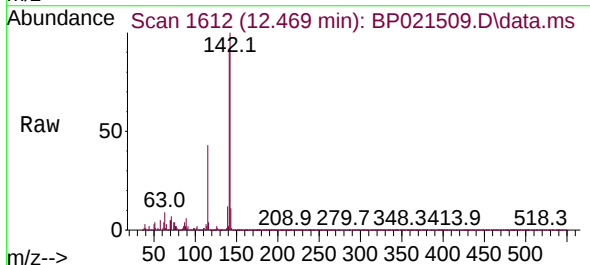
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

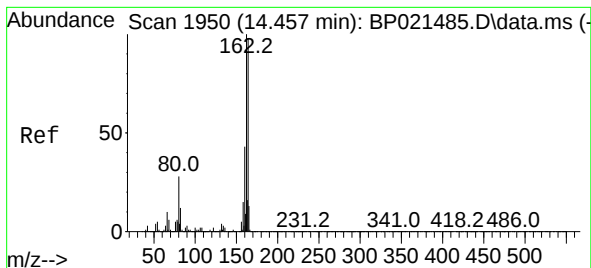
Tgt Ion:142 Resp: 297157
Ion Ratio Lower Upper
142 100
141 87.6 71.7 107.5
115 39.2 31.4 47.2



#38
1-Methylnaphthalene
Concen: 4.047 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:142 Resp: 286232
Ion Ratio Lower Upper
142 100
141 91.8 73.5 110.3
116 4.2 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.439 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

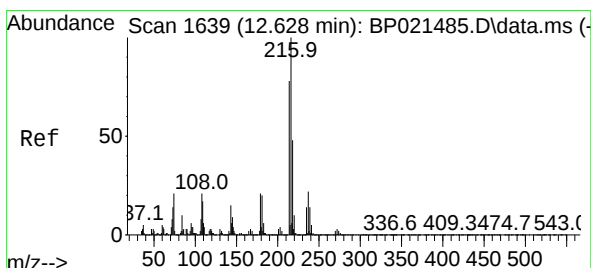
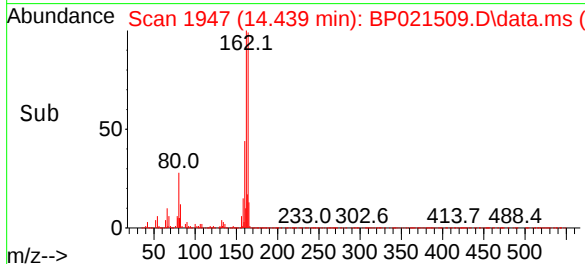
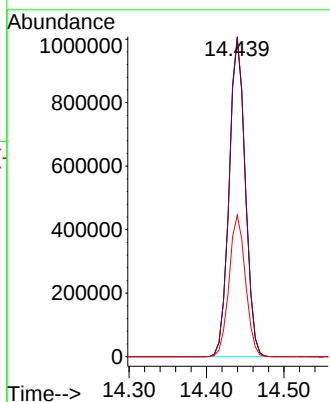
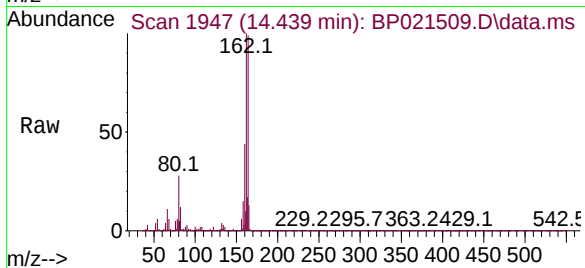
Tgt Ion:164 Resp: 1445135

Ion Ratio Lower Upper

164 100

162 100.6 81.5 122.3

160 44.5 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.023 ng

RT: 12.616 min Scan# 1637

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Tgt Ion:216 Resp: 170353

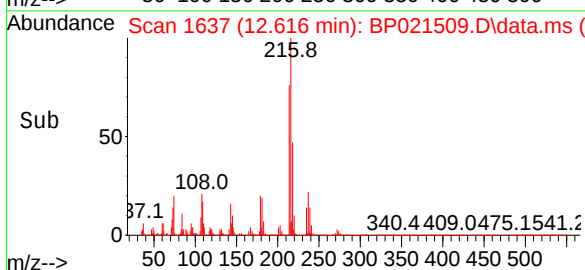
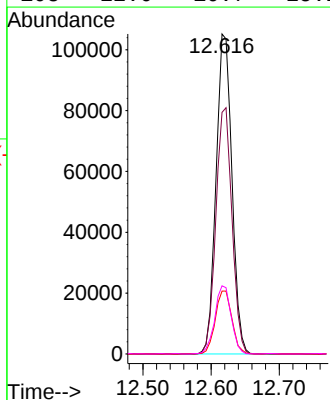
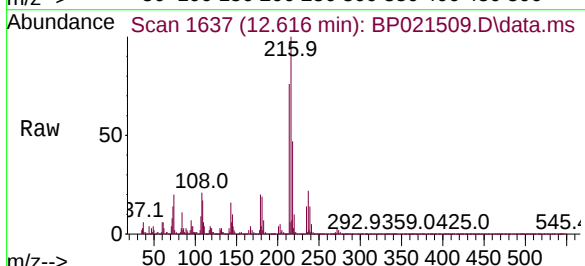
Ion Ratio Lower Upper

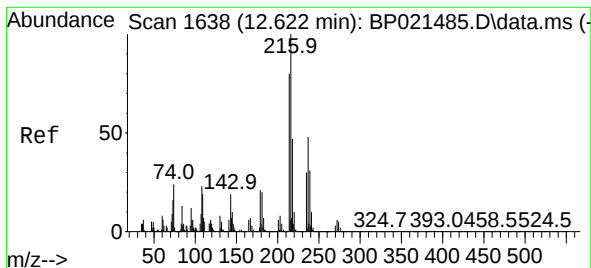
216 100

214 78.3 62.5 93.7

179 20.7 16.4 24.6

108 22.0 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 3.631 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

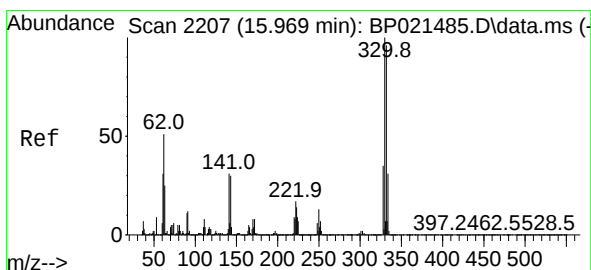
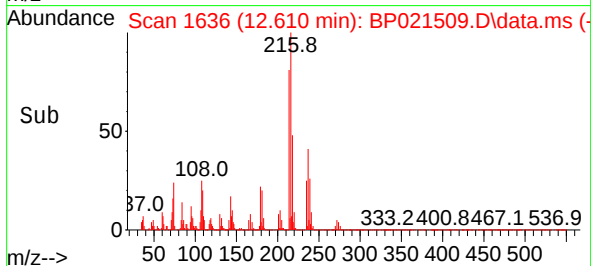
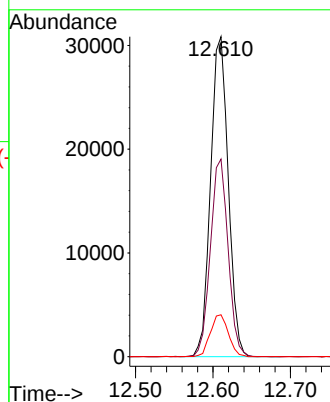
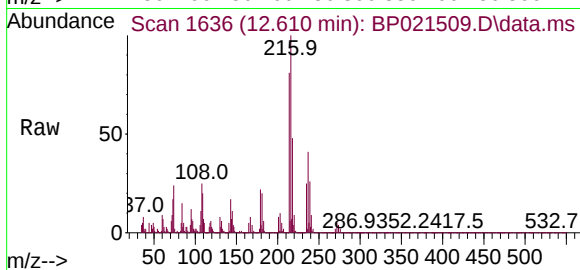
Tgt Ion:237 Resp: 48723

Ion Ratio Lower Upper

237 100

235 61.7 43.9 83.9

272 13.1 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 144.990 ng

RT: 15.951 min Scan# 2204

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

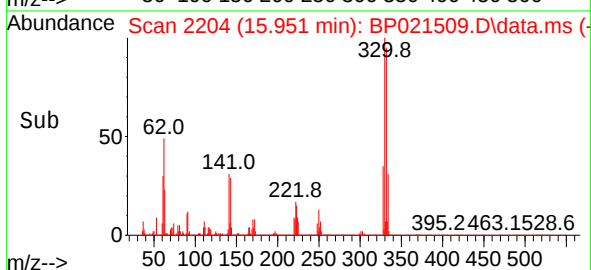
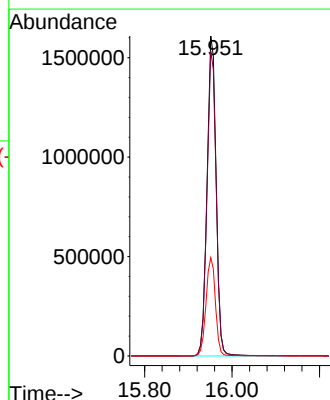
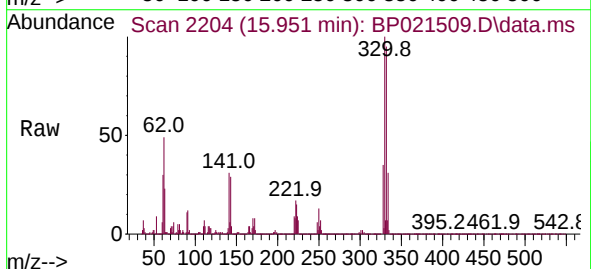
Tgt Ion:330 Resp: 2331991

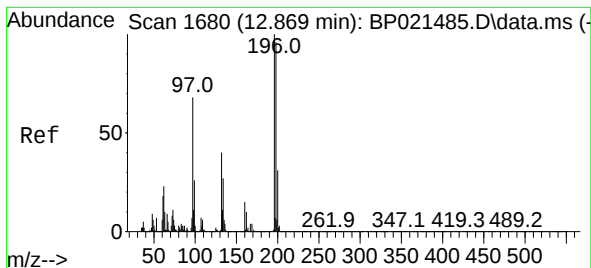
Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

141 31.7 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 3.499 ng

RT: 12.851 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

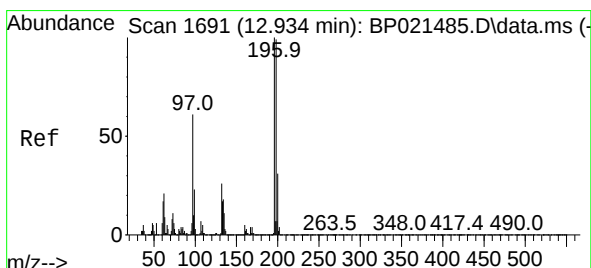
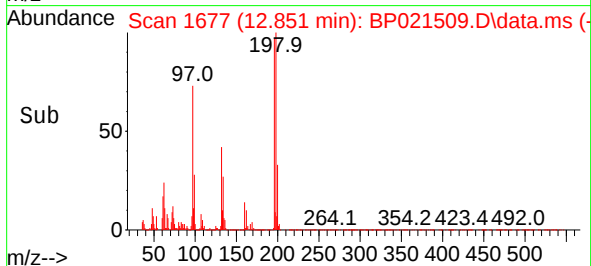
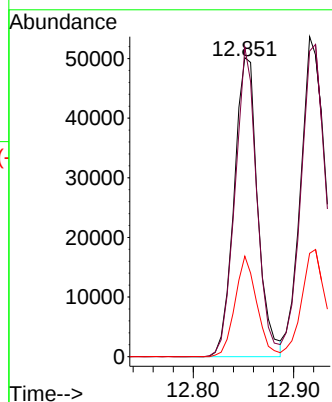
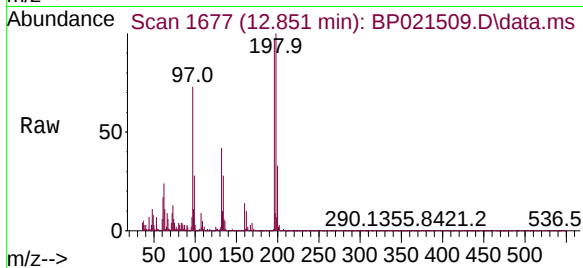
Tgt Ion:196 Resp: 82308

Ion Ratio Lower Upper

196 100

198 103.4 76.6 114.8

200 33.6 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 3.618 ng

RT: 12.916 min Scan# 1688

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Tgt Ion:196 Resp: 94548

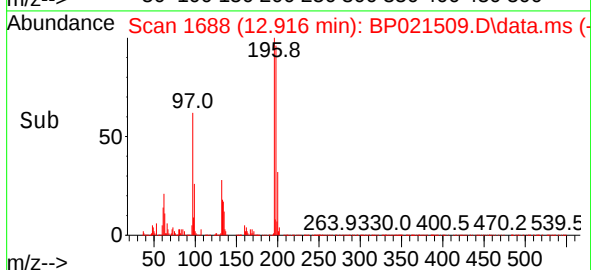
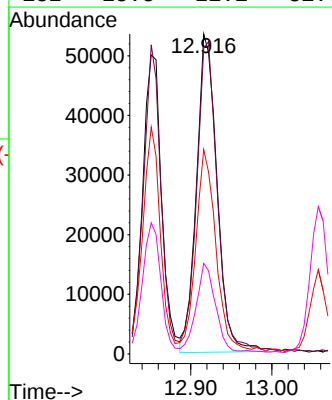
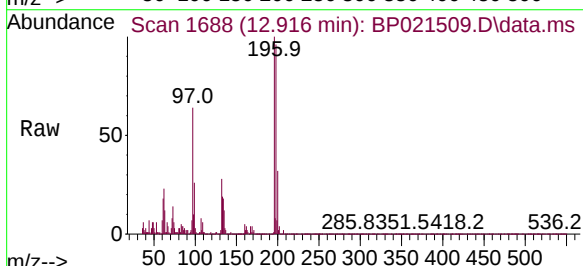
Ion Ratio Lower Upper

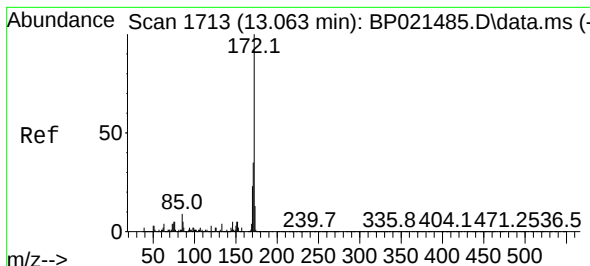
196 100

198 95.5 78.9 118.3

97 63.8 49.4 74.0

132 28.3 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 84.170 ng

RT: 13.057 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

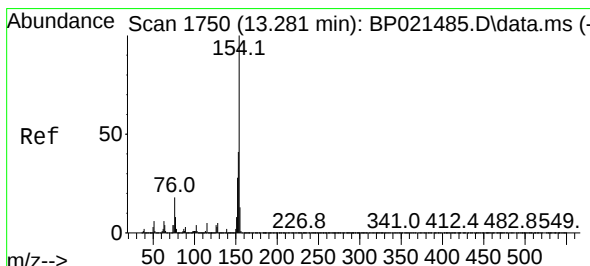
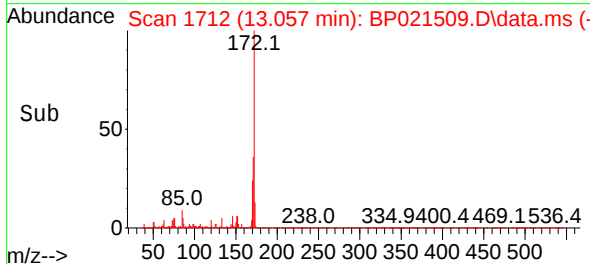
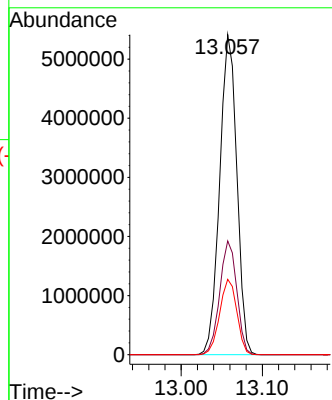
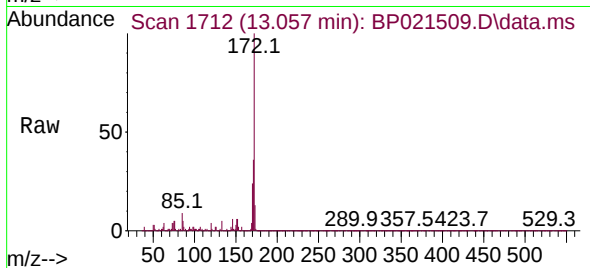
Tgt Ion:172 Resp: 7970155

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.5 18.4 27.6



#46

1,1'-Biphenyl

Concen: 4.210 ng

RT: 13.263 min Scan# 1747

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

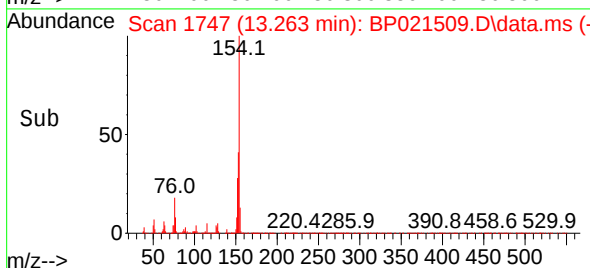
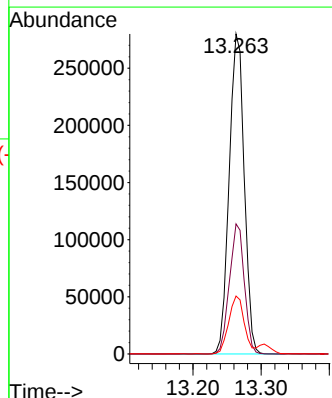
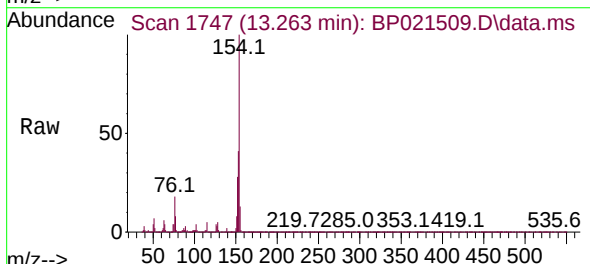
Tgt Ion:154 Resp: 430469

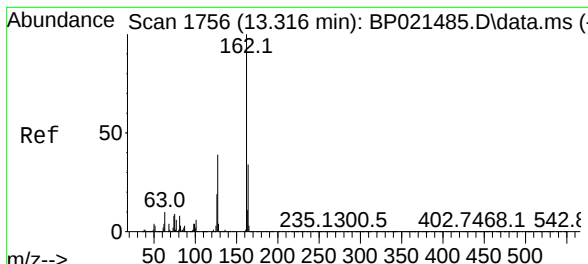
Ion Ratio Lower Upper

154 100

153 40.6 20.7 60.7

76 18.1 0.0 37.7

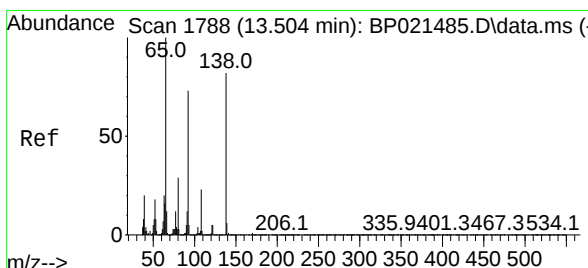
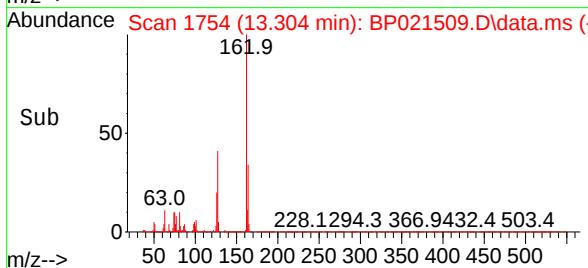
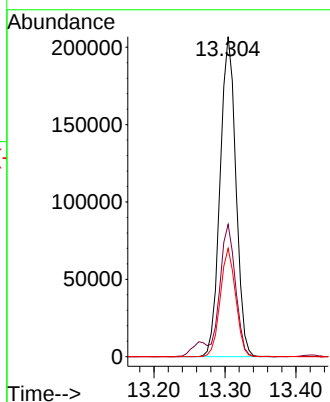
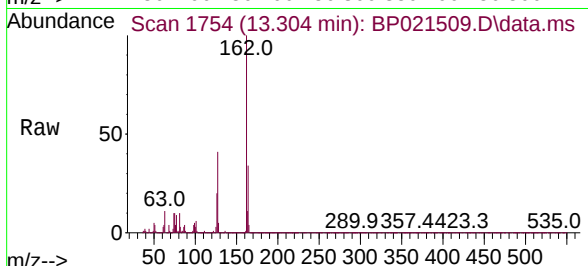




#47
2-Chloronaphthalene
Concen: 4.000 ng
RT: 13.304 min Scan# 1756
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

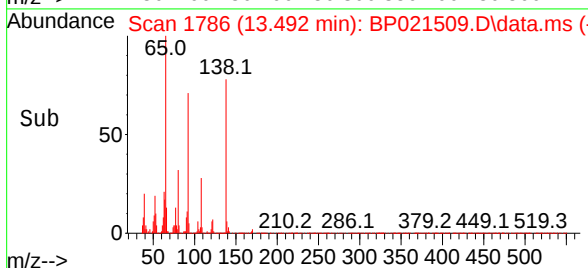
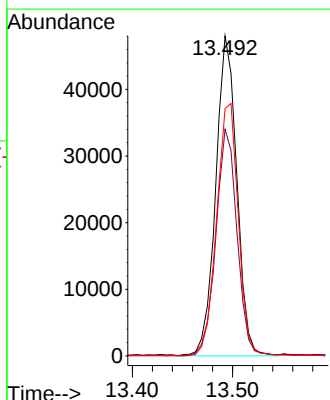
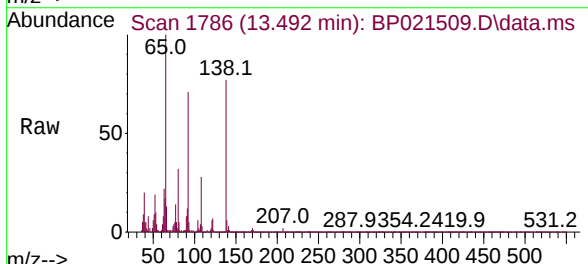
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2024

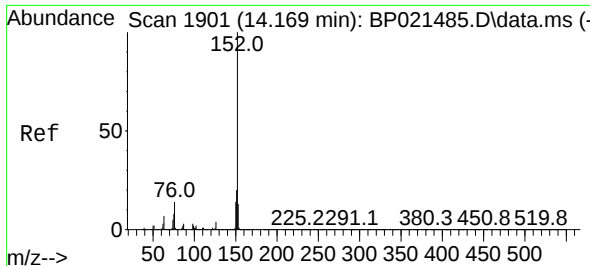
Tgt Ion:162 Resp: 318437
Ion Ratio Lower Upper
162 100
127 41.4 31.9 47.9
164 33.9 26.8 40.2



#48
2-Nitroaniline
Concen: 7.952 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 65 Resp: 70086
Ion Ratio Lower Upper
65 100
92 70.9 58.1 87.1
138 77.3 65.5 98.3





#49

Acenaphthylene

Concen: 4.439 ng

RT: 14.157 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

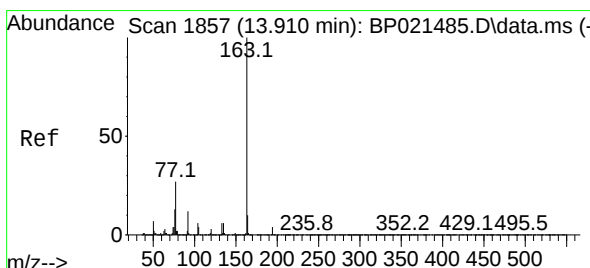
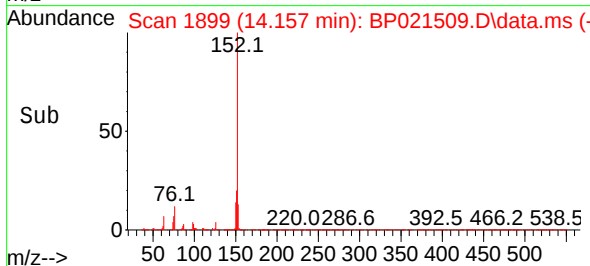
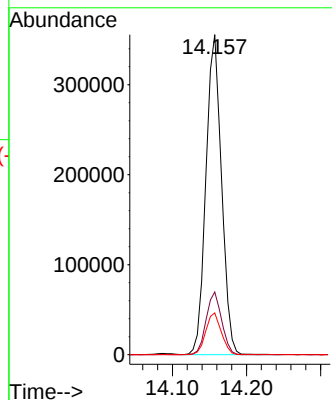
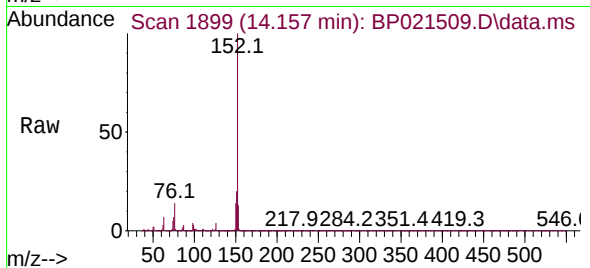
Tgt Ion:152 Resp: 519429

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 4.399 ng

RT: 13.887 min Scan# 1853

Delta R.T. -0.023 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

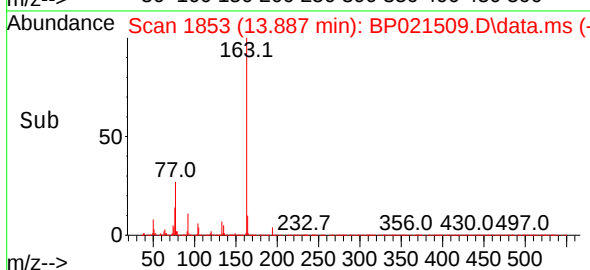
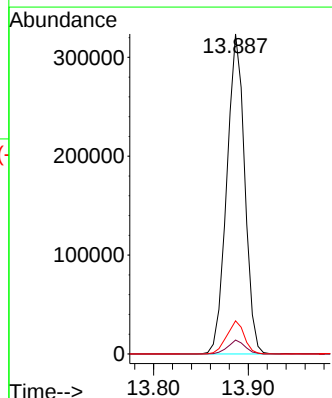
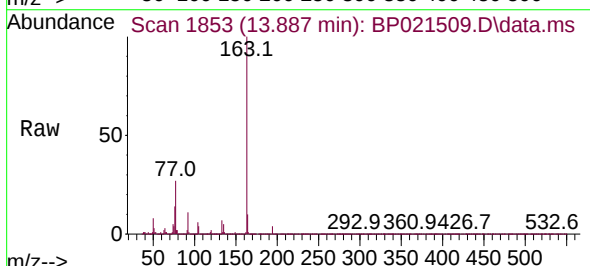
Tgt Ion:163 Resp: 425703

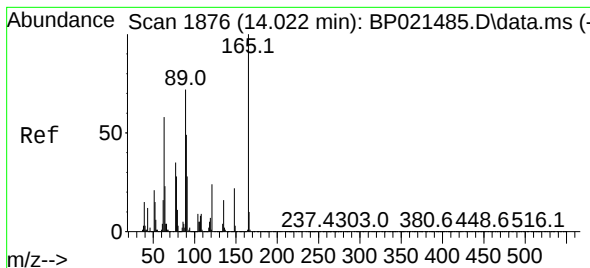
Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

164 10.4 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 6.988 ng

RT: 13.998 min Scan# 1876

Delta R.T. -0.024 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

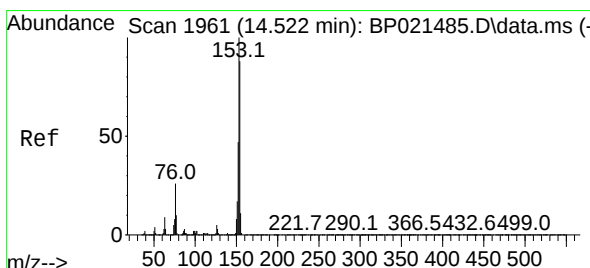
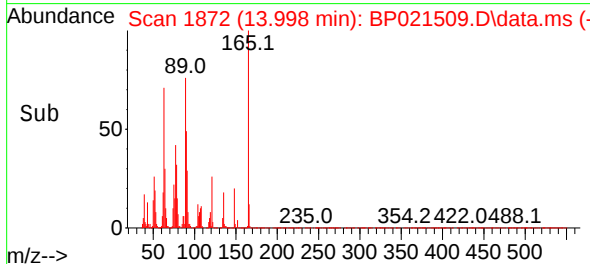
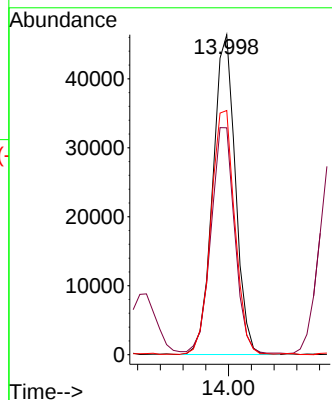
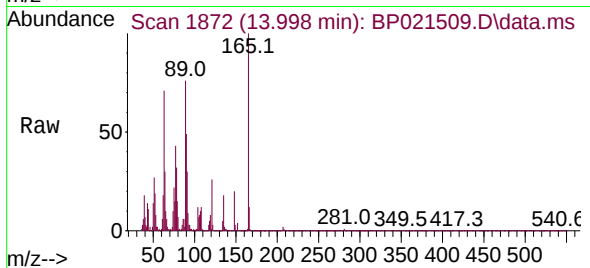
Tgt Ion:165 Resp: 63940

Ion Ratio Lower Upper

165 100

63 70.9 51.5 77.3

89 76.3 57.8 86.8



#52

Acenaphthene

Concen: 4.082 ng

RT: 14.504 min Scan# 1958

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

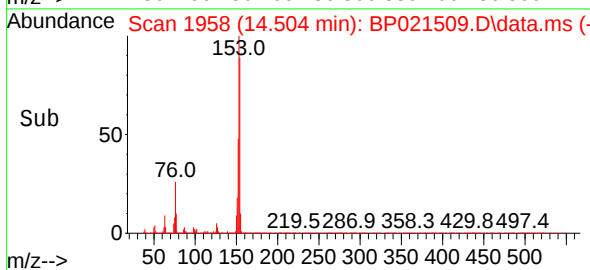
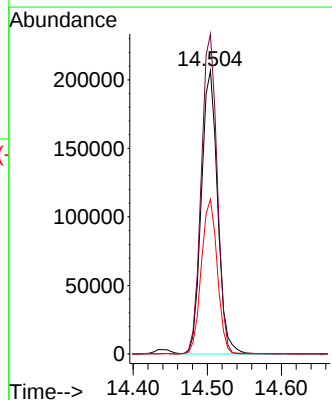
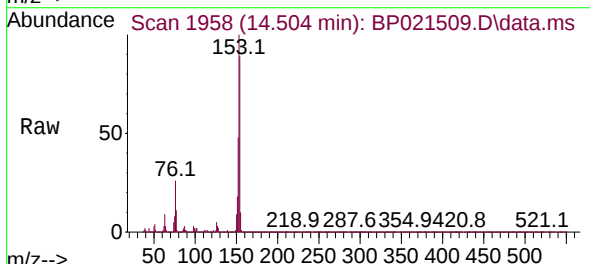
Tgt Ion:154 Resp: 313380

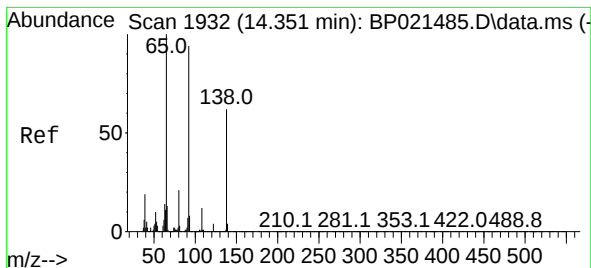
Ion Ratio Lower Upper

154 100

153 113.0 91.1 136.7

152 54.6 43.0 64.4





#53

3-Nitroaniline

Concen: 7.097 ng

RT: 14.328 min Scan# 1928

Delta R.T. -0.023 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

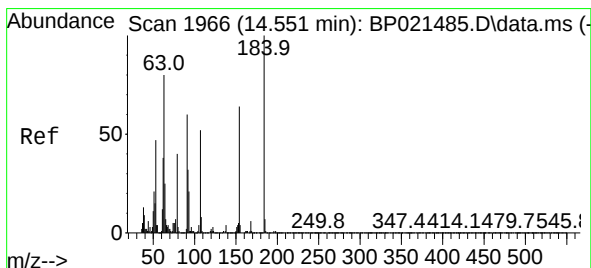
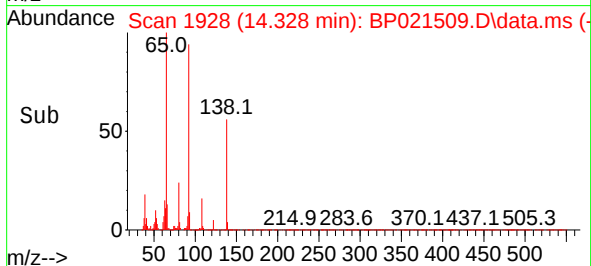
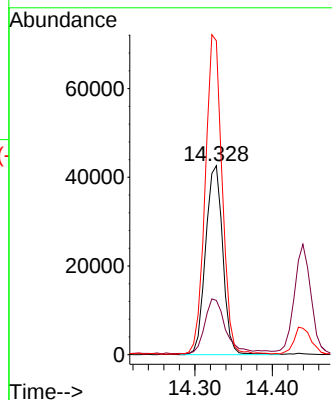
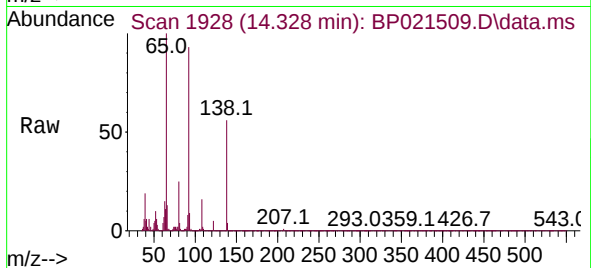
Tgt Ion:138 Resp: 65445

Ion Ratio Lower Upper

138 100

108 28.7 16.2 24.4#

92 166.1 122.2 183.4



#54

2,4-Dinitrophenol

Concen: 6.395 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.023 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

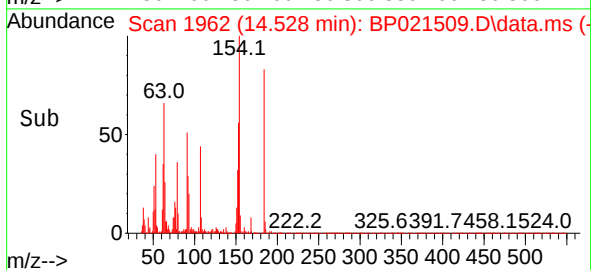
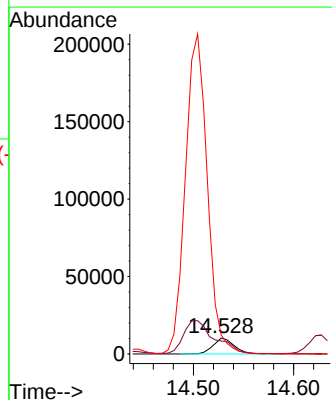
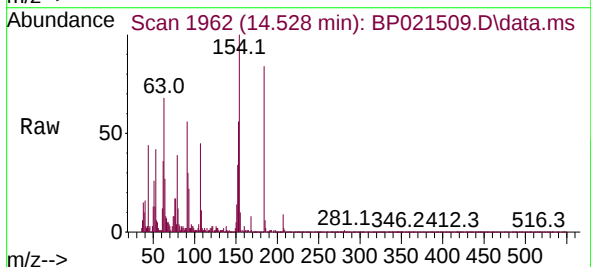
Tgt Ion:184 Resp: 14845

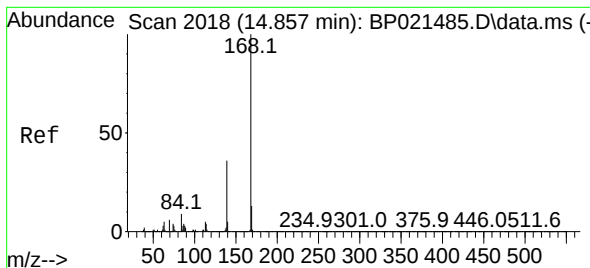
Ion Ratio Lower Upper

184 100

63 81.4 64.9 97.3

154 119.7 52.1 78.1#





#55

Dibenzenofuran

Concen: 4.398 ng

RT: 14.839 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

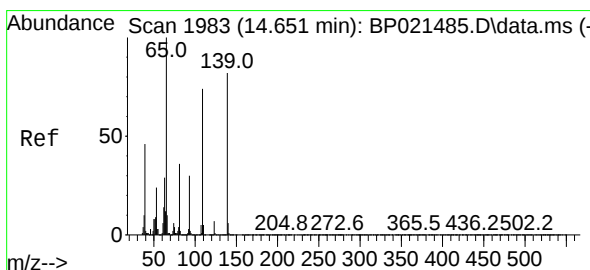
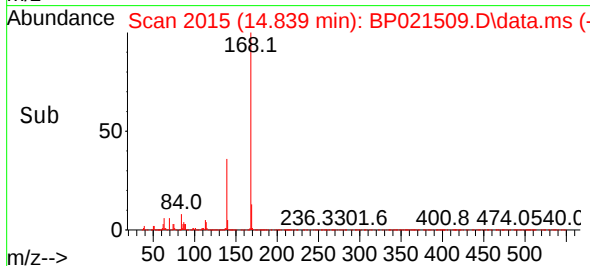
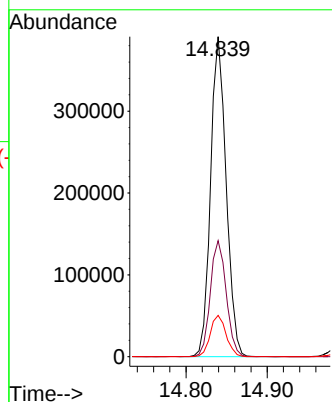
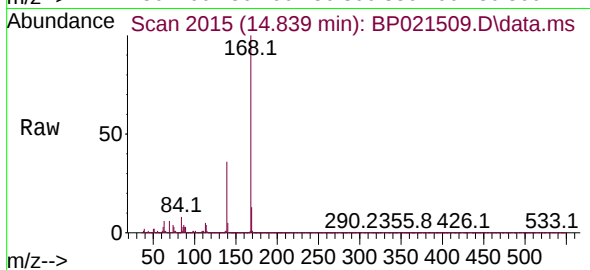
Tgt Ion:168 Resp: 519511

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

169 12.9 10.6 16.0



#56

4-Nitrophenol

Concen: 7.826 ng

RT: 14.628 min Scan# 1979

Delta R.T. -0.023 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

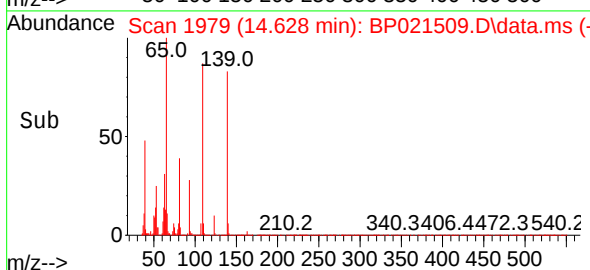
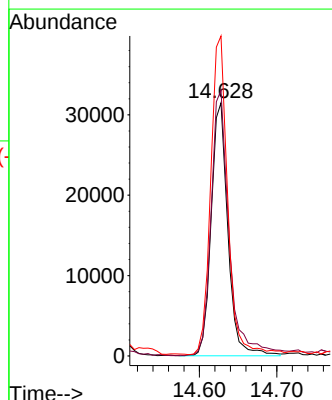
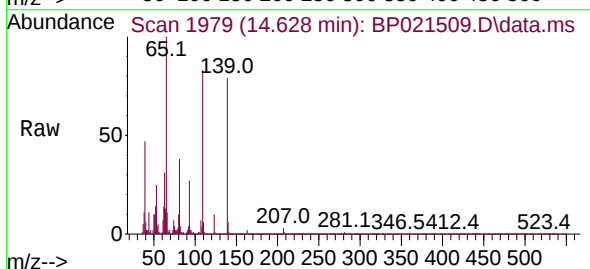
Tgt Ion:139 Resp: 47094

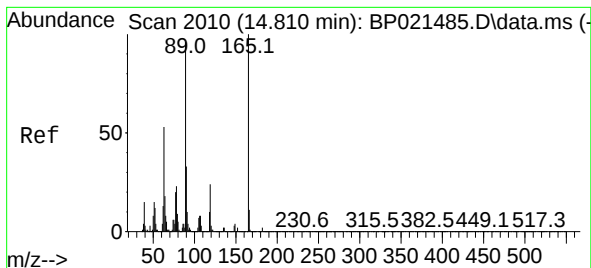
Ion Ratio Lower Upper

139 100

109 104.9 70.2 110.2

65 126.4 101.8 141.8





#57

2,4-Dinitrotoluene

Concen: 7.577 ng

RT: 14.787 min Scan# 2010

Delta R.T. -0.023 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:165 Resp: 70860

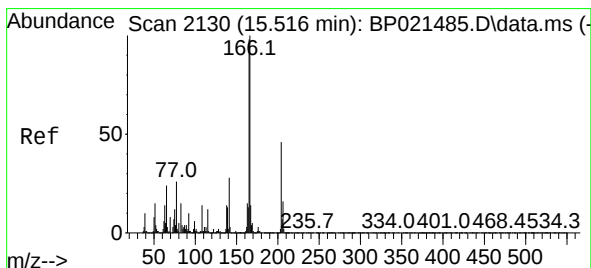
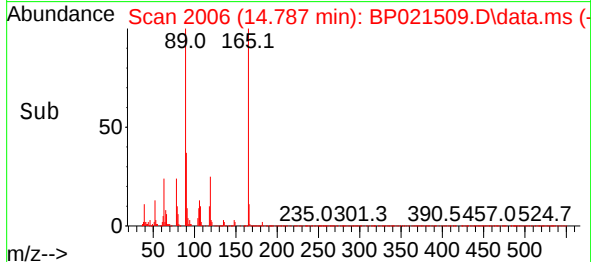
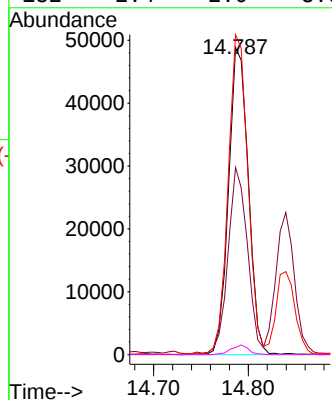
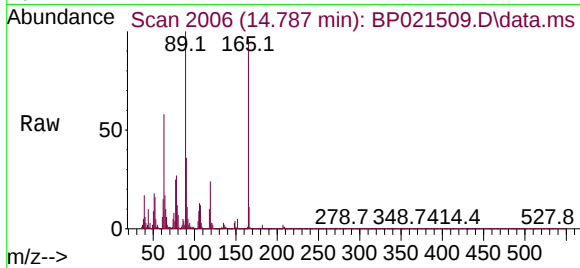
Ion Ratio Lower Upper

165 100

63 61.0 42.5 63.7

89 104.2 77.1 115.7

182 2.4 2.0 3.0



#58

Fluorene

Concen: 4.362 ng

RT: 15.498 min Scan# 2127

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

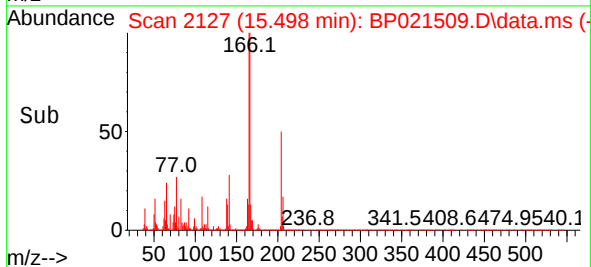
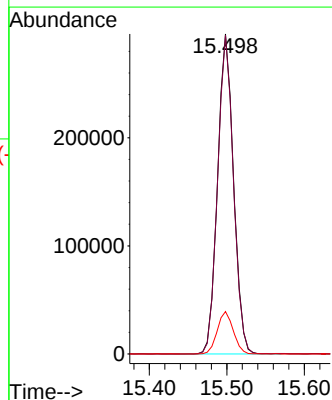
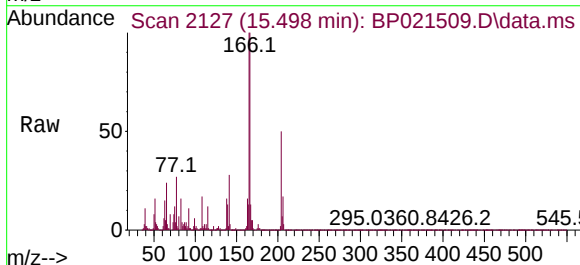
Tgt Ion:166 Resp: 423248

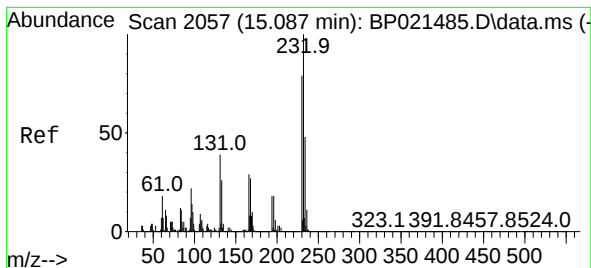
Ion Ratio Lower Upper

166 100

165 99.7 78.1 117.1

167 13.3 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.042 ng

RT: 15.069 min Scan# 2054

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:232 Resp: 89654

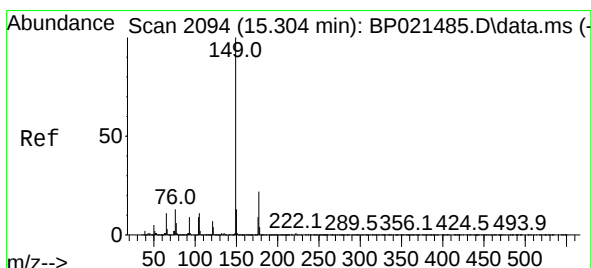
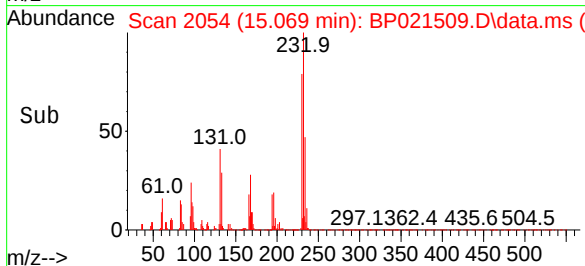
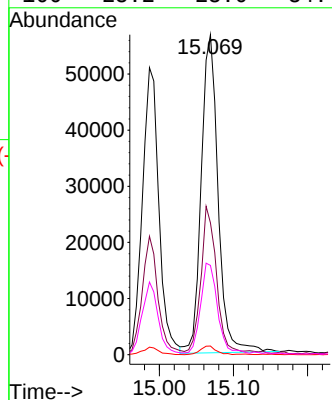
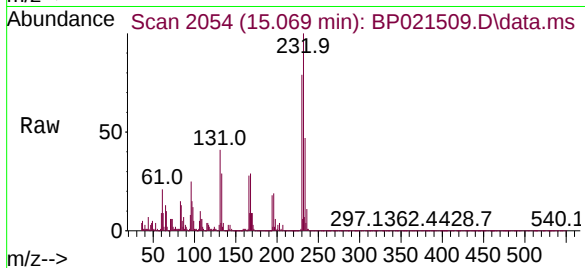
Ion Ratio Lower Upper

232 100

131 43.4 33.1 49.7

130 2.6 1.7 2.5#

166 28.2 23.0 34.4



#60

Diethylphthalate

Concen: 4.396 ng

RT: 15.275 min Scan# 2089

Delta R.T. -0.030 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

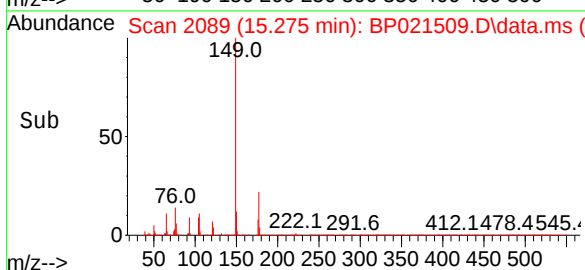
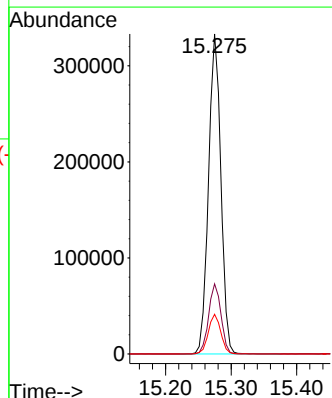
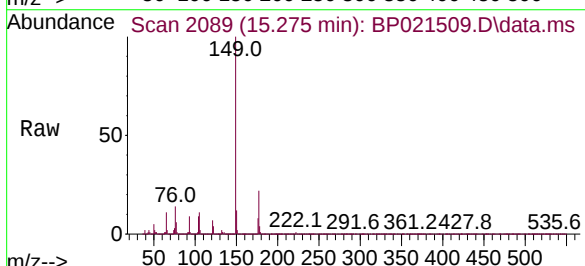
Tgt Ion:149 Resp: 436537

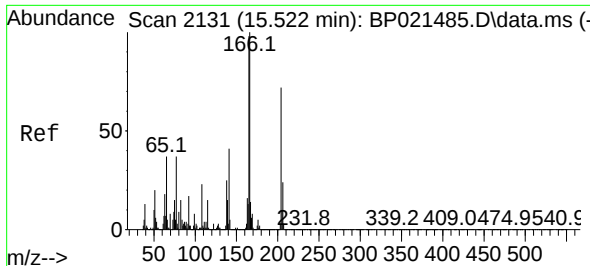
Ion Ratio Lower Upper

149 100

177 21.9 17.8 26.8

150 12.4 10.1 15.1

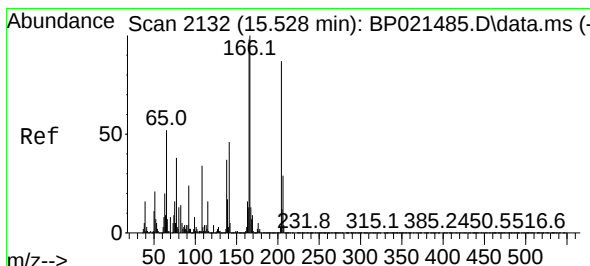
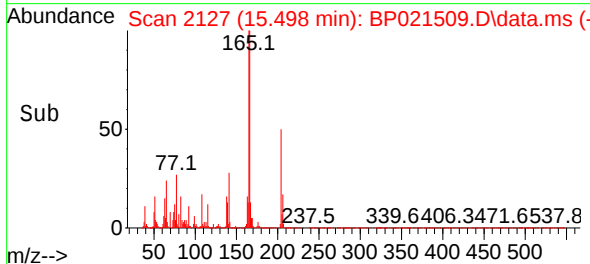
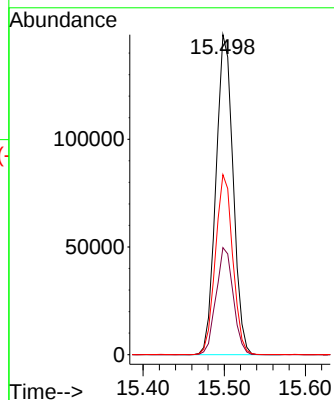
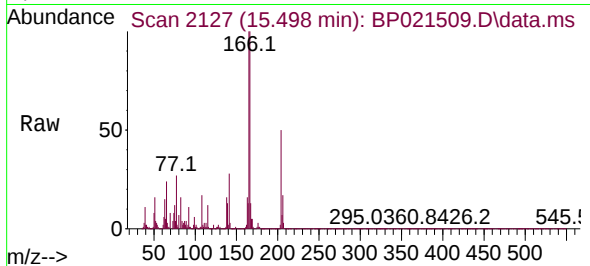




#61
4-Chlorophenyl-phenylether
Concen: 4.348 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.024 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

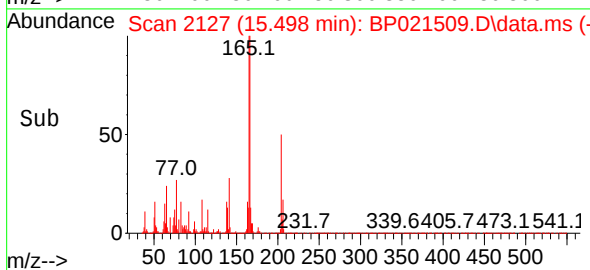
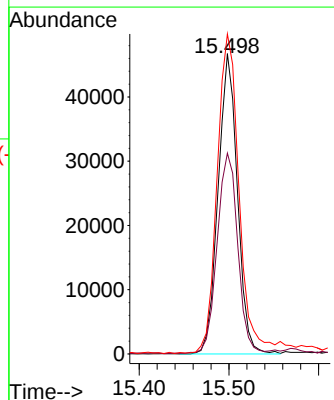
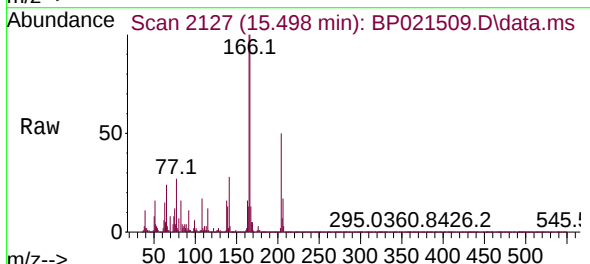
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

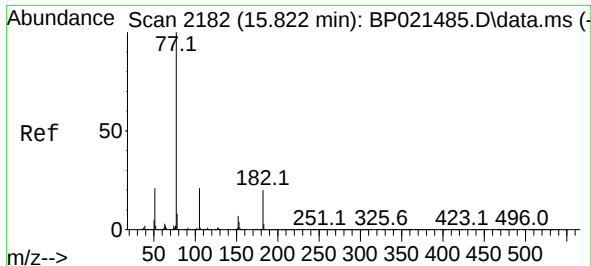
Tgt Ion:204 Resp: 218063
Ion Ratio Lower Upper
204 100
206 33.5 26.4 39.6
141 56.2 46.1 69.1



#62
4-Nitroaniline
Concen: 6.258 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.030 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:138 Resp: 69835
Ion Ratio Lower Upper
138 100
92 66.8 46.4 86.4
108 106.6 73.2 113.2

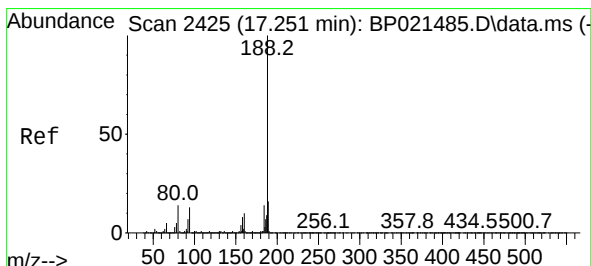
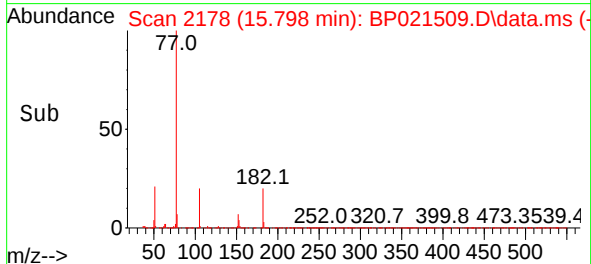
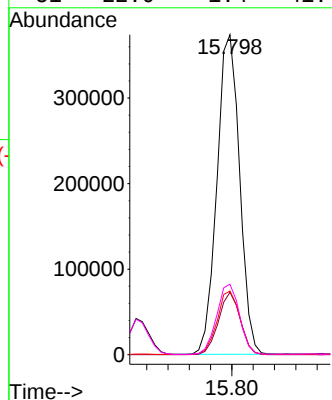
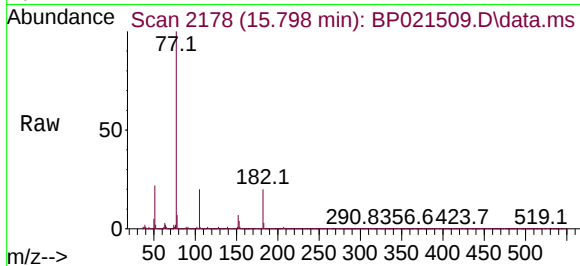




#63
Azobenzene
Concen: 4.512 ng
RT: 15.798 min Scan# 2182
Delta R.T. -0.024 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

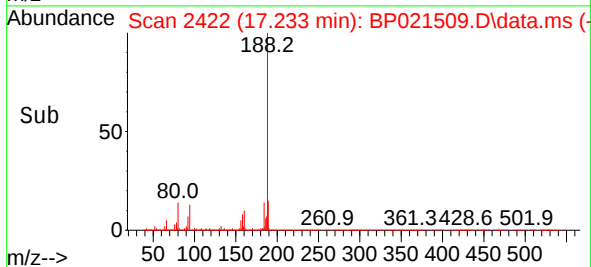
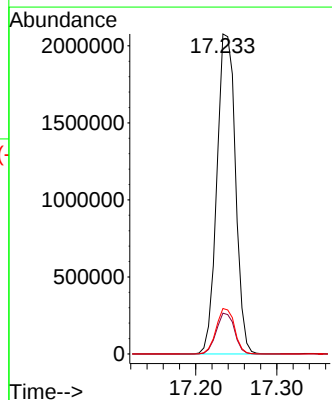
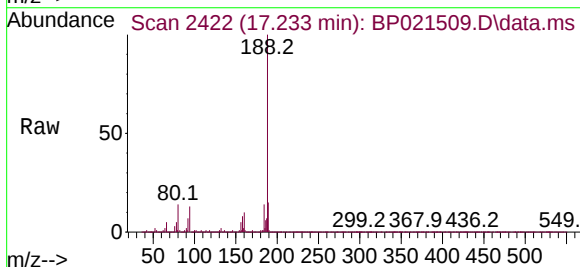
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

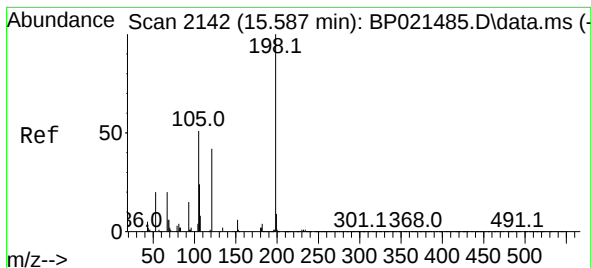
Tgt Ion: 77	Resp: 550767
Ion Ratio	Lower Upper
77	100
182	19.5 0.0 39.9
105	19.9 0.9 40.9
51	22.0 1.4 41.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.233 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 188	Resp: 3303546
Ion Ratio	Lower Upper
188	100
94	12.8 10.2 15.4
80	14.2 11.6 17.4

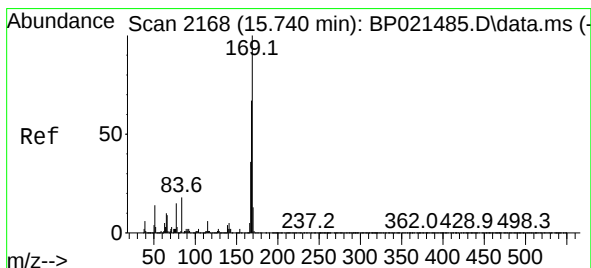
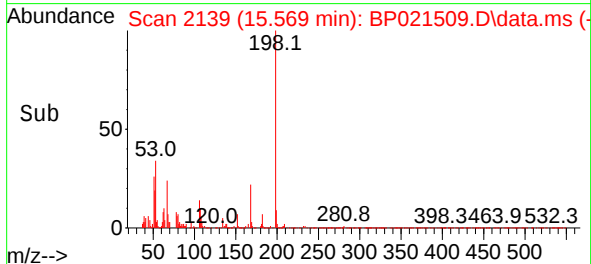
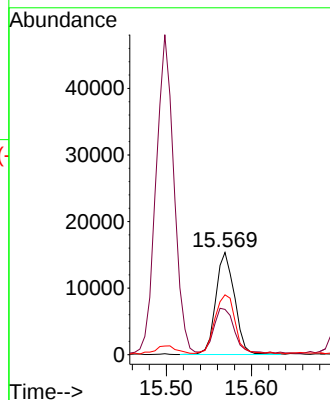
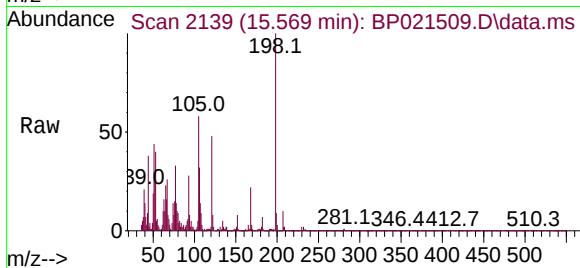




#65
4,6-Dinitro-2-methylphenol
Concen: 7.584 ng
RT: 15.569 min Scan# 2142
Delta R.T. -0.018 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

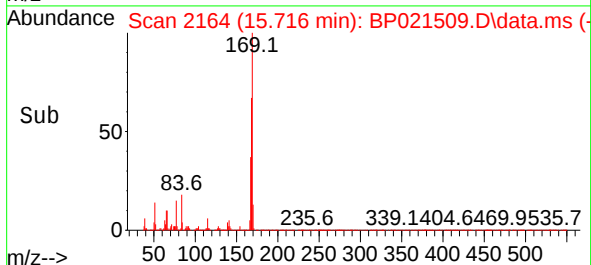
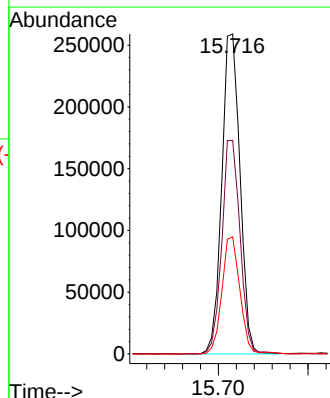
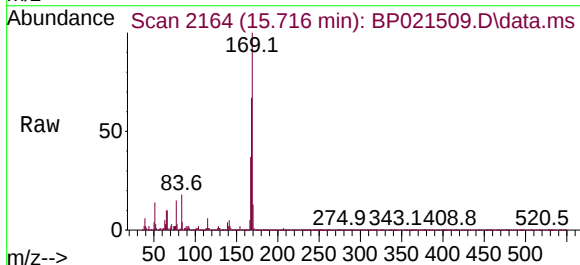
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

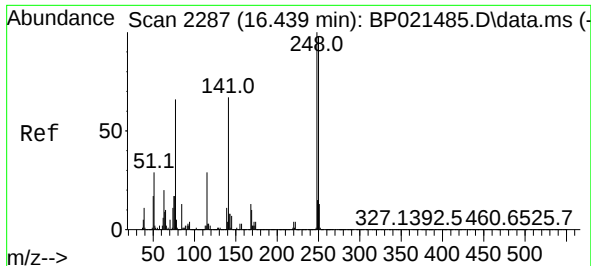
Tgt Ion:198 Resp: 23385
Ion Ratio Lower Upper
198 100
51 44.3 21.5 61.5
105 58.5 32.9 72.9



#66
n-Nitrosodiphenylamine
Concen: 4.118 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.024 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:169 Resp: 364586
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 36.6 28.7 43.1

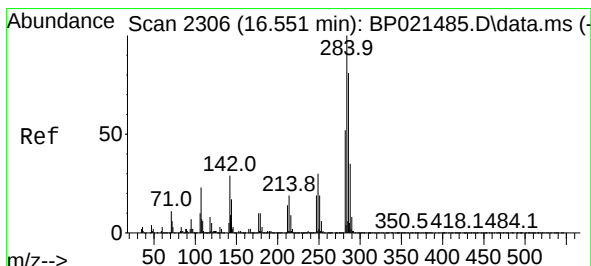
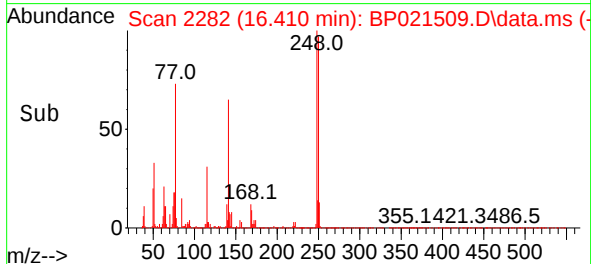
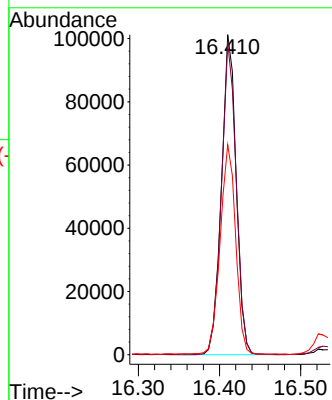
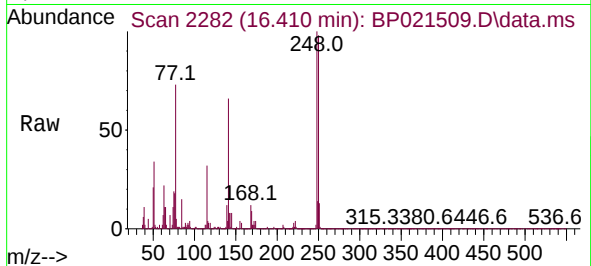




#67
4-Bromophenyl-phenylether
Concen: 3.671 ng
RT: 16.410 min Scan# 21
Delta R.T. -0.030 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

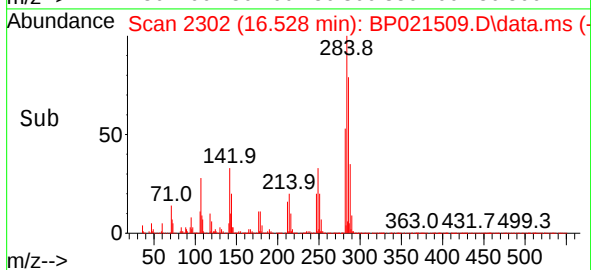
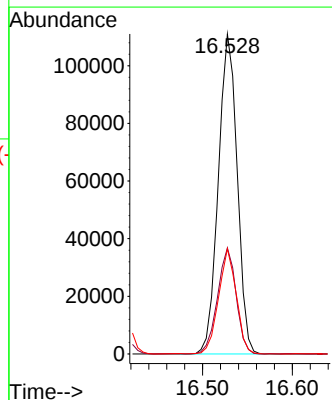
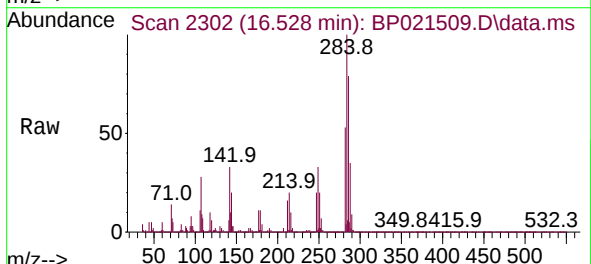
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

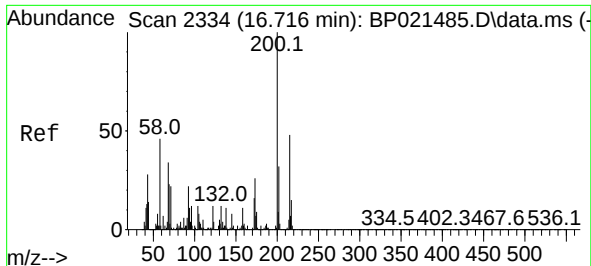
Tgt Ion:248 Resp: 128341
Ion Ratio Lower Upper
248 100
250 97.6 78.6 117.8
141 65.6 53.9 80.9



#68
Hexachlorobenzene
Concen: 3.919 ng
RT: 16.528 min Scan# 2302
Delta R.T. -0.024 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:284 Resp: 161936
Ion Ratio Lower Upper
284 100
142 33.1 23.4 35.2
249 32.9 24.1 36.1

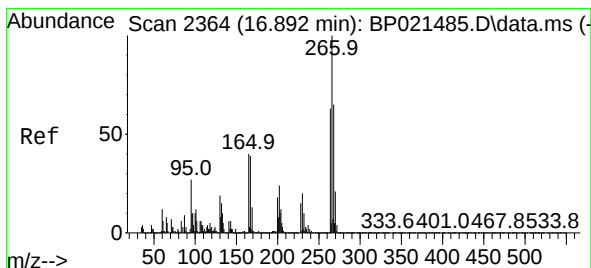
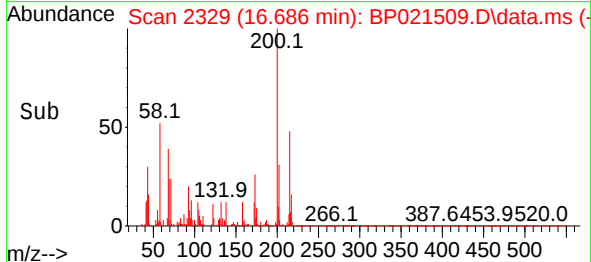
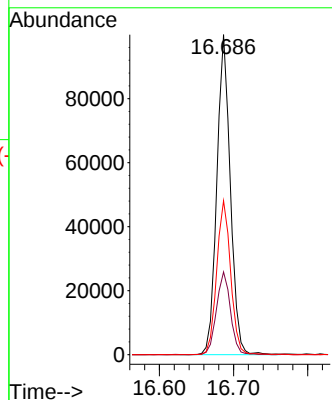
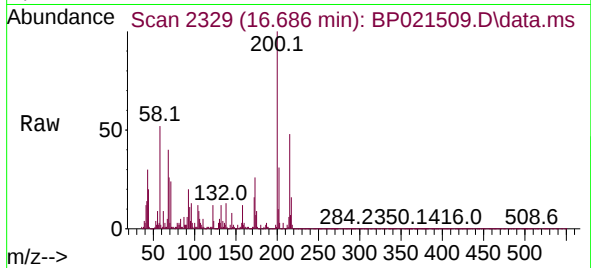




#69
Atrazine
Concen: 4.151 ng
RT: 16.686 min Scan# 2329
Delta R.T. -0.030 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

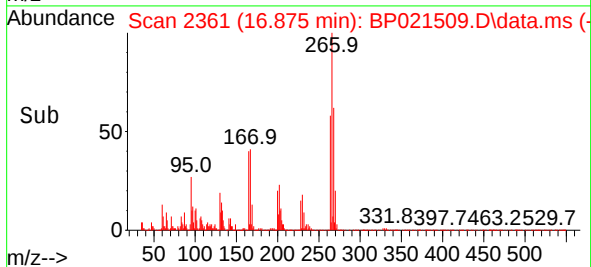
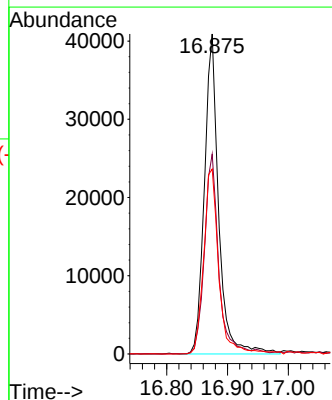
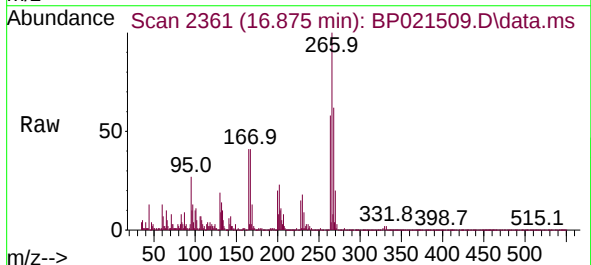
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

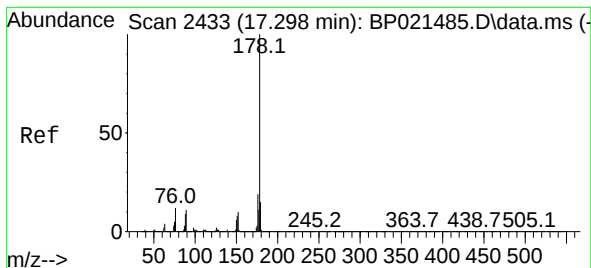
Tgt Ion:200 Resp: 126177
Ion Ratio Lower Upper
200 100
173 25.9 6.2 46.2
215 48.1 28.4 68.4



#70
Pentachlorophenol
Concen: 2.942 ng
RT: 16.875 min Scan# 2361
Delta R.T. -0.017 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:266 Resp: 66342
Ion Ratio Lower Upper
266 100
268 62.5 51.8 77.6
264 57.8 50.5 75.7





#71

Phenanthrene

Concen: 4.303 ng

RT: 17.281 min Scan# 2433

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

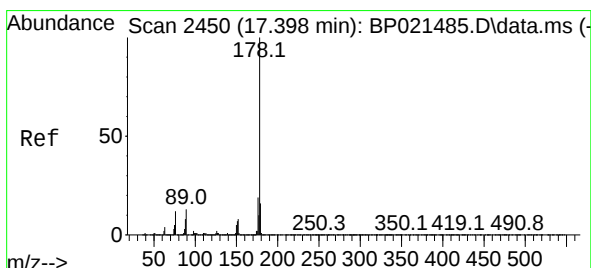
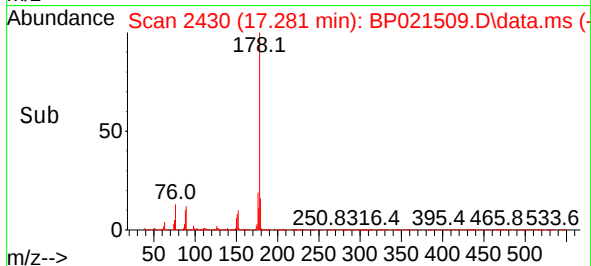
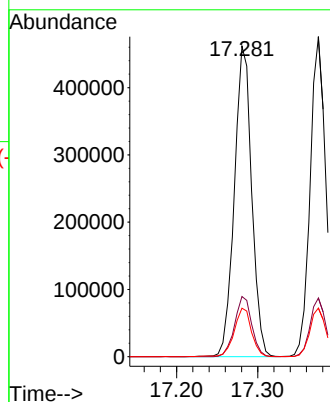
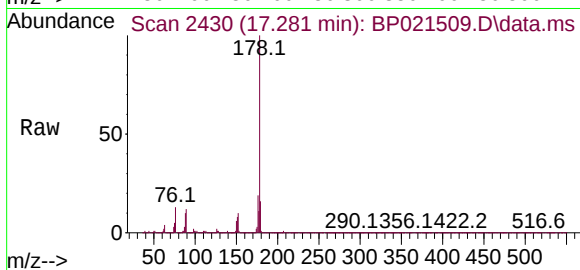
Tgt Ion:178 Resp: 683628

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.6 12.4 18.6



#72

Anthracene

Concen: 4.164 ng

RT: 17.375 min Scan# 2446

Delta R.T. -0.024 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

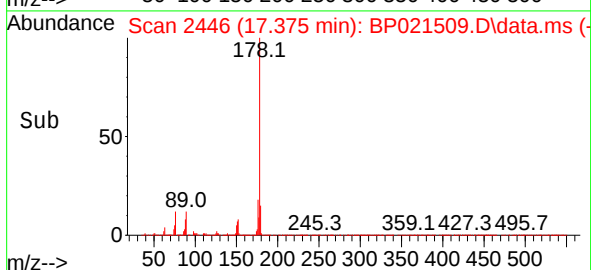
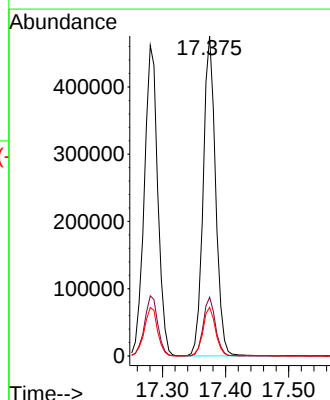
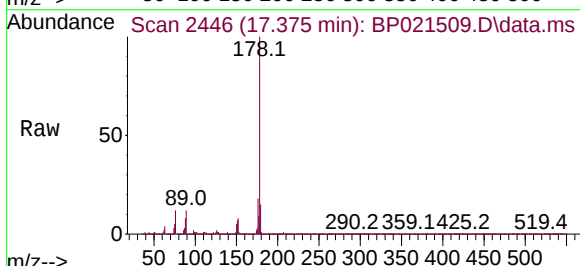
Tgt Ion:178 Resp: 648787

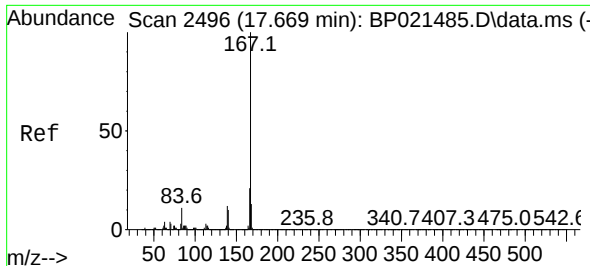
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 15.2 12.5 18.7

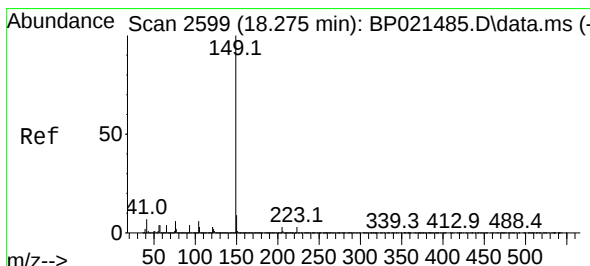
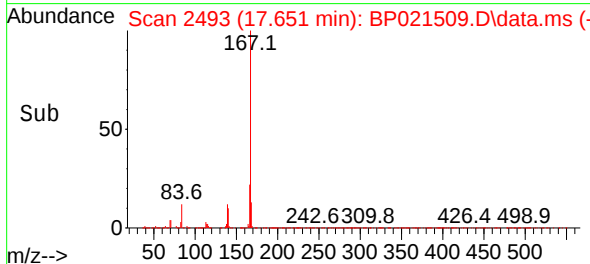
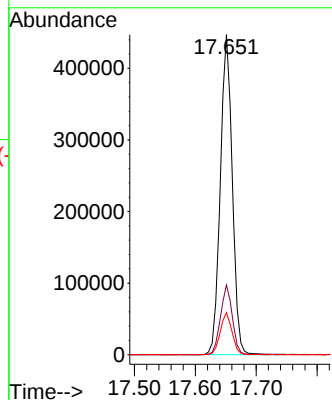
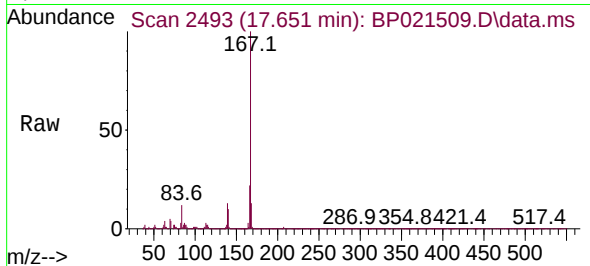




#73
 Carbazole
 Concen: 4.055 ng
 RT: 17.651 min Scan# 2493
 Delta R.T. -0.018 min
 Lab File: BP021509.D
 Acq: 15 Aug 2024 11:18

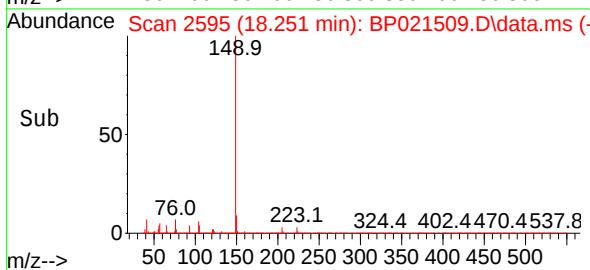
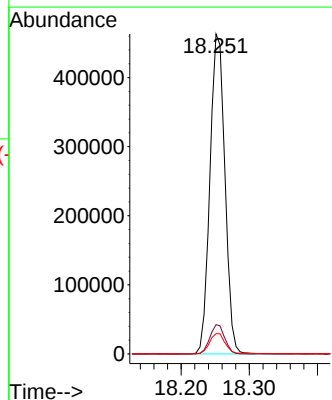
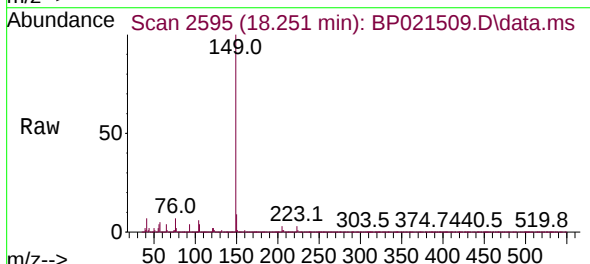
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

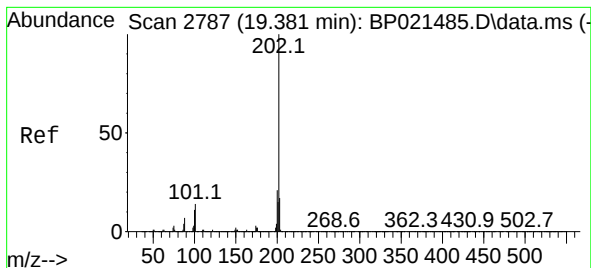
Tgt Ion:167 Resp: 608876
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.4
 139 13.1 9.9 14.9



#74
 Di-n-butylphthalate
 Concen: 3.844 ng
 RT: 18.251 min Scan# 2595
 Delta R.T. -0.024 min
 Lab File: BP021509.D
 Acq: 15 Aug 2024 11:18

Tgt Ion:149 Resp: 708923
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 6.4 4.9 7.3





#75

Fluoranthene

Concen: 3.969 ng

RT: 19.363 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

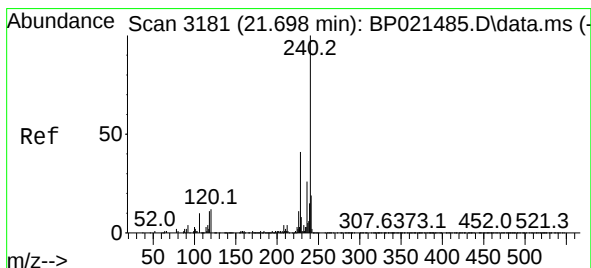
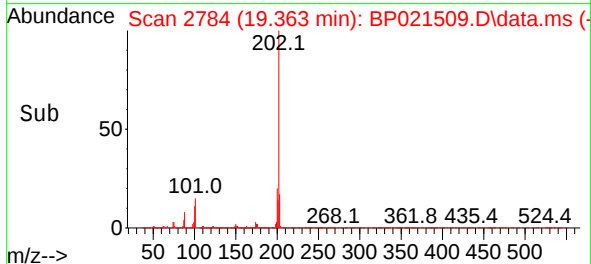
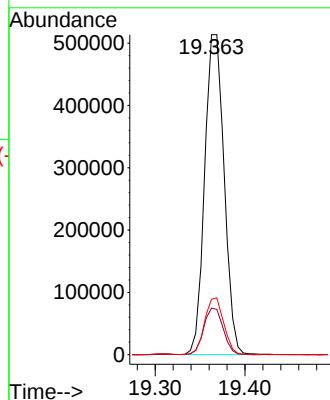
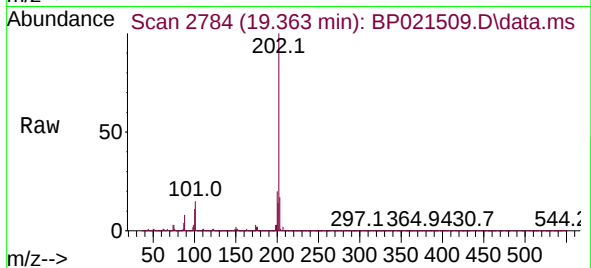
Tgt Ion:202 Resp: 773721

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.0

203 17.3 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

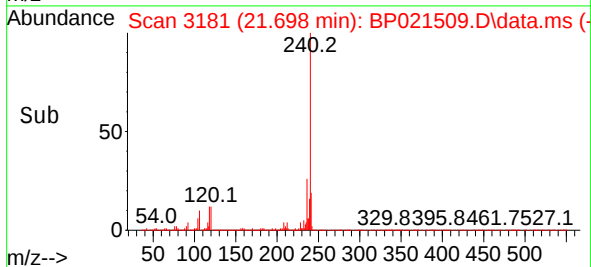
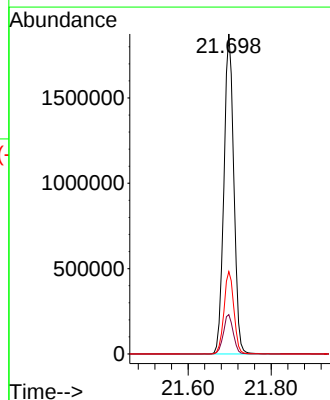
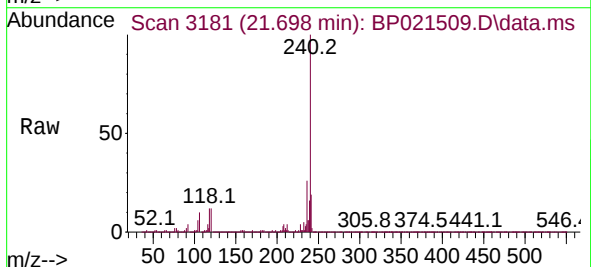
Tgt Ion:240 Resp: 3096346

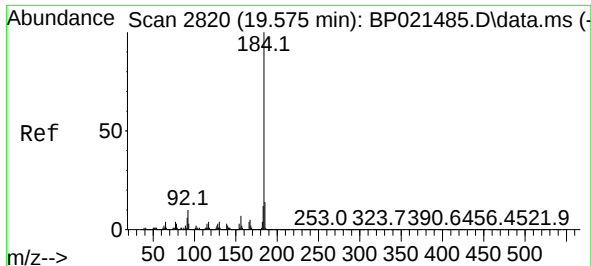
Ion Ratio Lower Upper

240 100

120 12.3 9.9 14.9

236 25.8 20.6 30.8

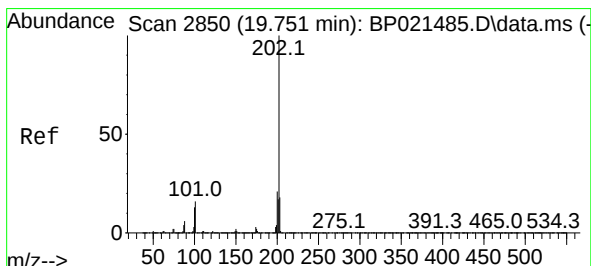
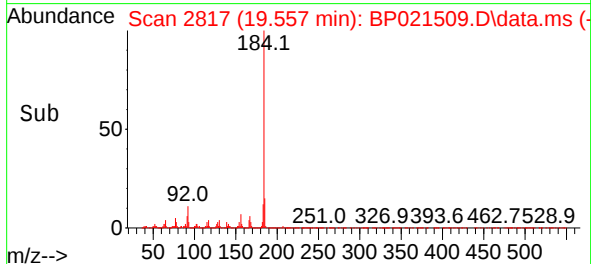
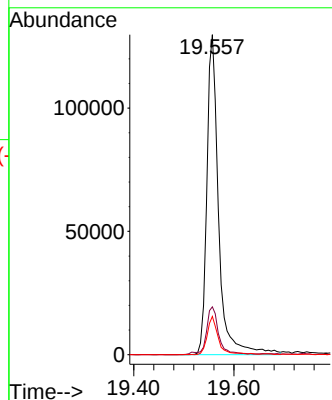
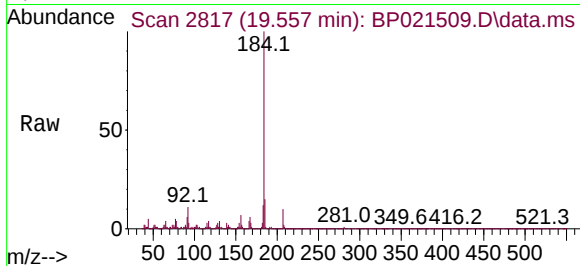




#77
Benzidine
Concen: 6.819 ng
RT: 19.557 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

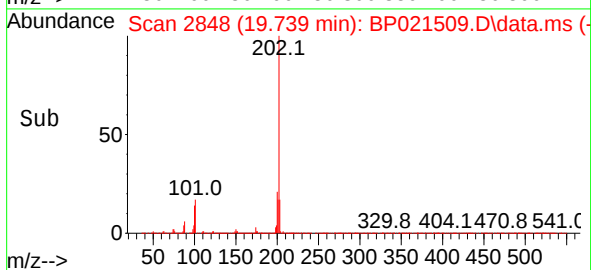
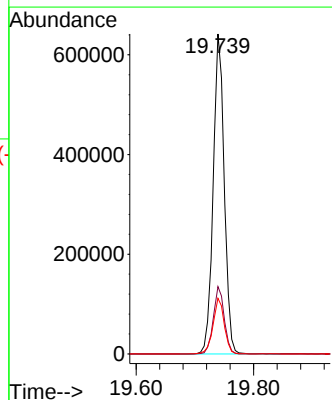
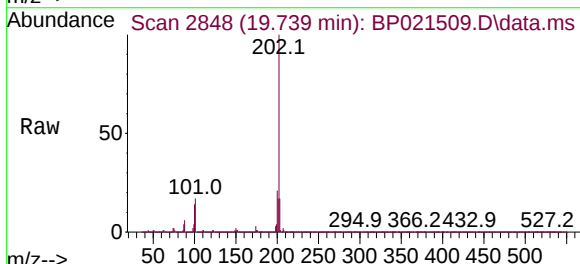
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

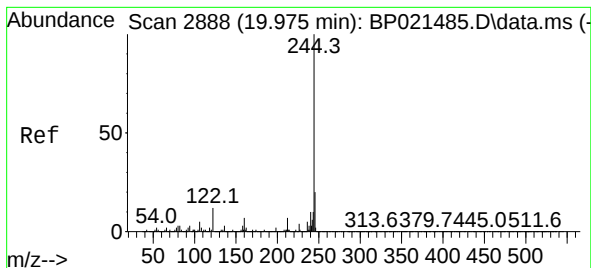
Tgt Ion:184 Resp: 211373
Ion Ratio Lower Upper
184 100
185 15.0 11.4 17.0
183 11.9 9.3 13.9



#78
Pyrene
Concen: 4.135 ng
RT: 19.739 min Scan# 2848
Delta R.T. -0.012 min
Lab File: BP021509.D
Acq: 15 Aug 2024 11:18

Tgt Ion:202 Resp: 836851
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 75.746 ng

RT: 19.969 min Scan# 2888

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

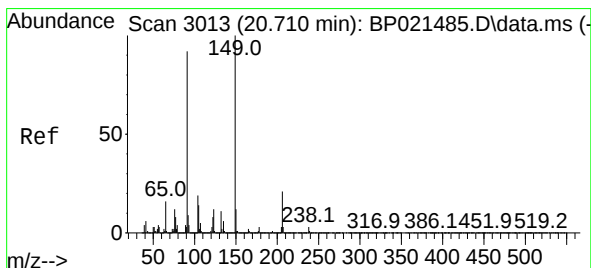
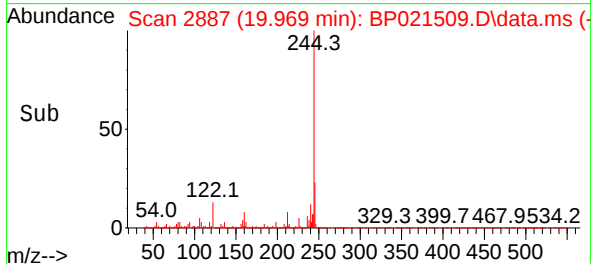
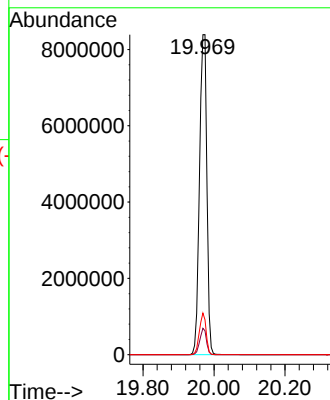
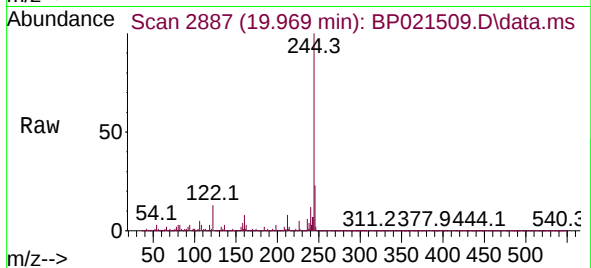
Tgt Ion:244 Resp:12072471

Ion Ratio Lower Upper

244 100

212 8.3 5.6 8.4

122 13.0 9.4 14.2



#80

Butylbenzylphthalate

Concen: 6.108 ng

RT: 20.704 min Scan# 3012

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

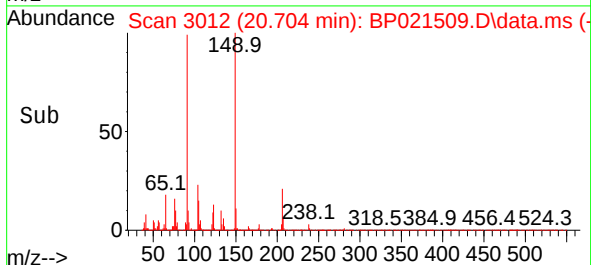
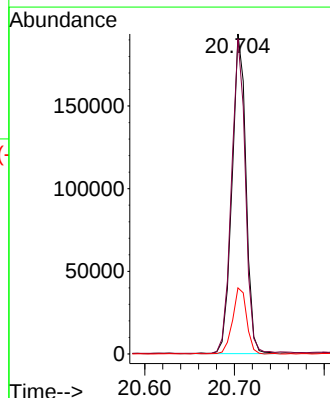
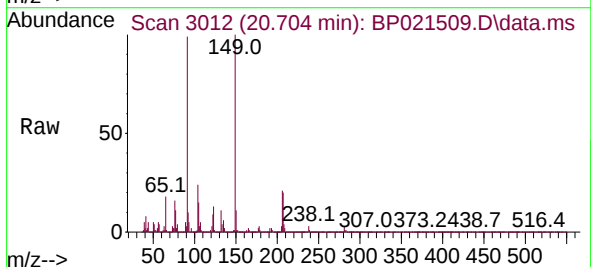
Tgt Ion:149 Resp: 208104

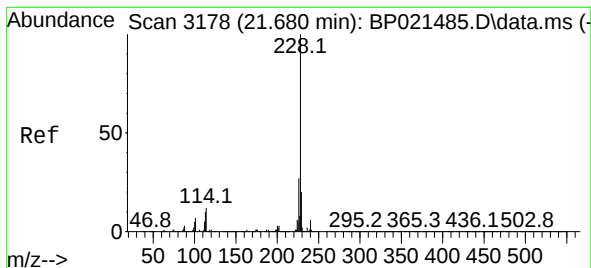
Ion Ratio Lower Upper

149 100

91 98.5 73.3 109.9

206 20.6 17.1 25.7





#81

Benzo(a)anthracene

Concen: 4.121 ng

RT: 21.674 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

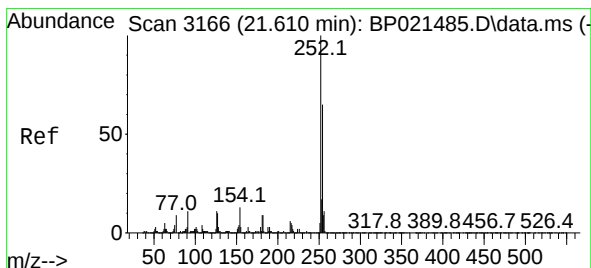
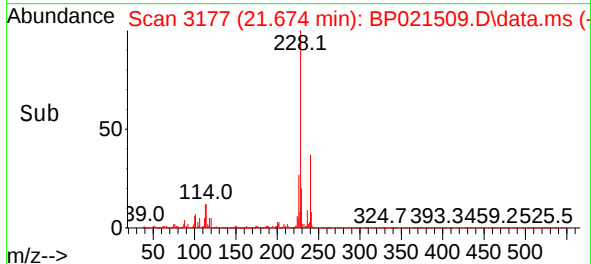
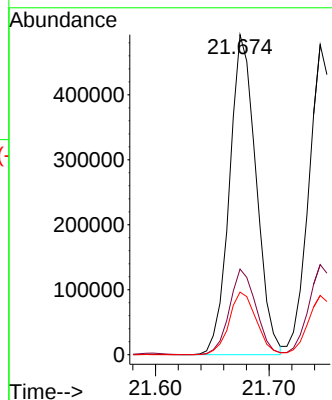
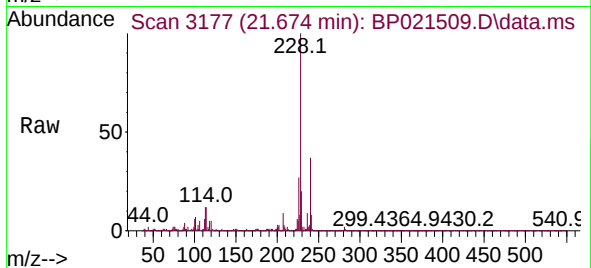
Tgt Ion:228 Resp: 800948

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

229 19.5 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 3.472 ng

RT: 21.598 min Scan# 3164

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

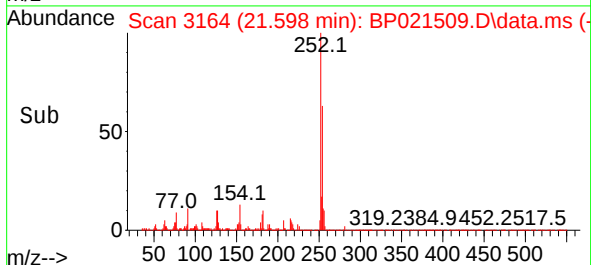
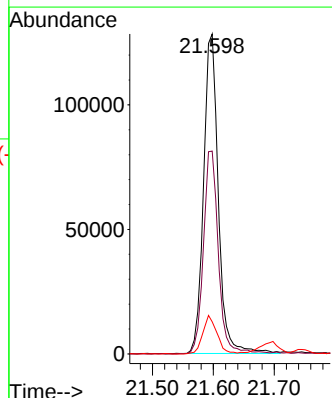
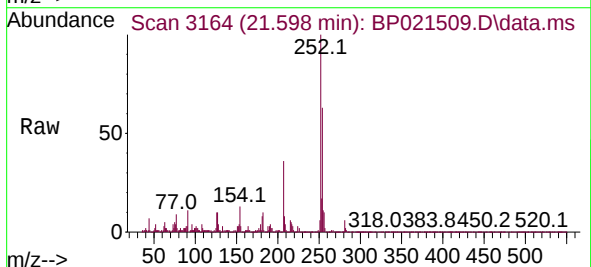
Tgt Ion:252 Resp: 216395

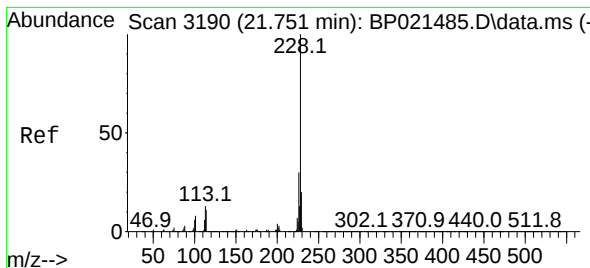
Ion Ratio Lower Upper

252 100

254 63.4 51.7 77.5

126 10.1 8.7 13.1





#83

Chrysene

Concen: 4.139 ng

RT: 21.745 min Scan# 3190

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

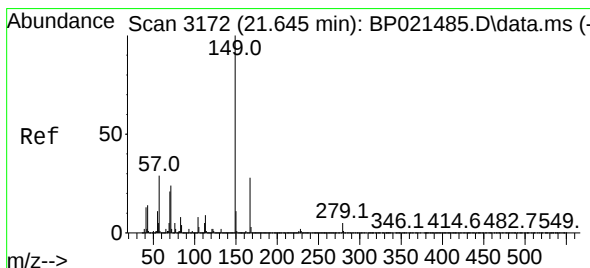
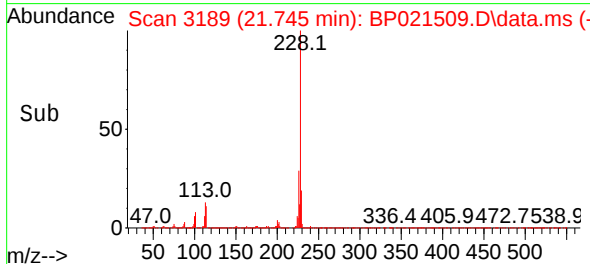
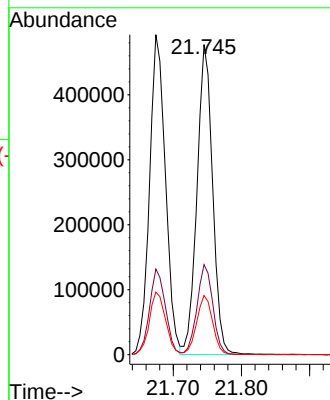
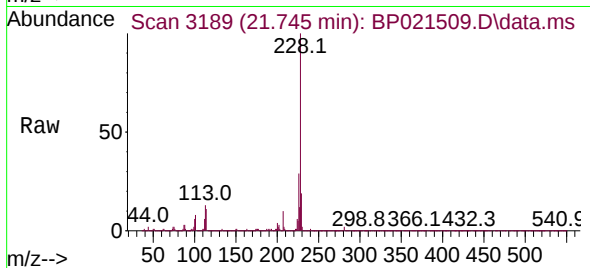
Tgt Ion:228 Resp: 759519

Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

229 19.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.290 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

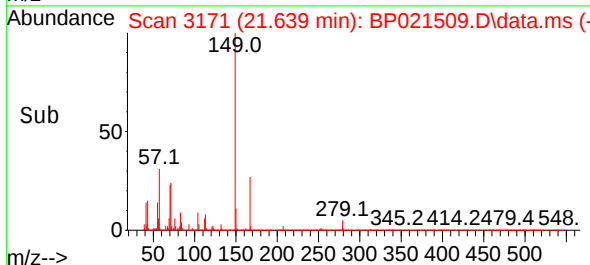
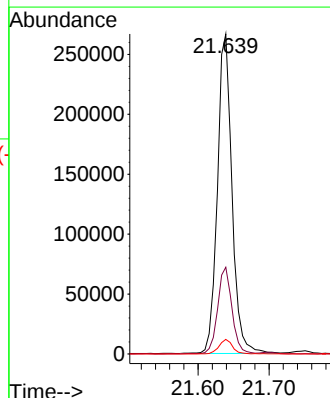
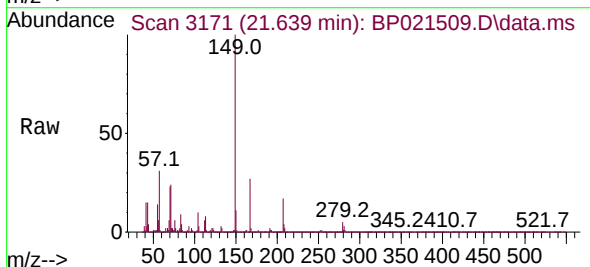
Tgt Ion:149 Resp: 377936

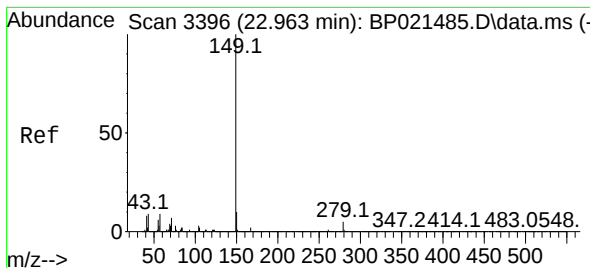
Ion Ratio Lower Upper

149 100

167 27.1 22.3 33.5

279 4.5 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 6.819 ng

RT: 22.951 min Scan# 34

Delta R.T. -0.012 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

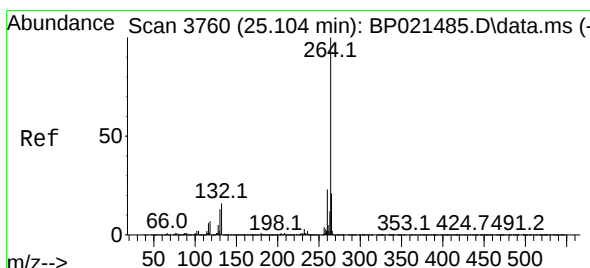
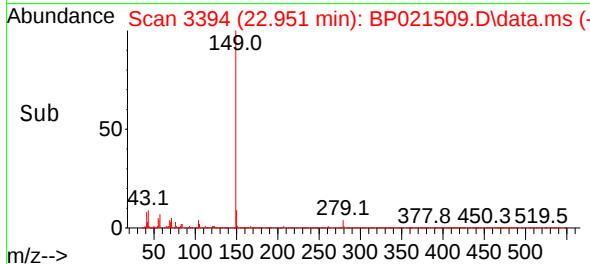
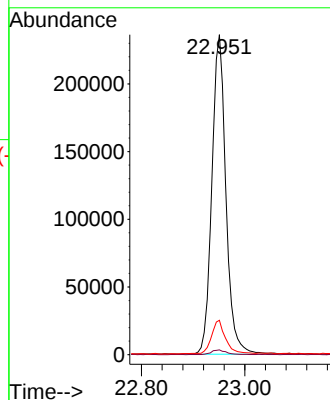
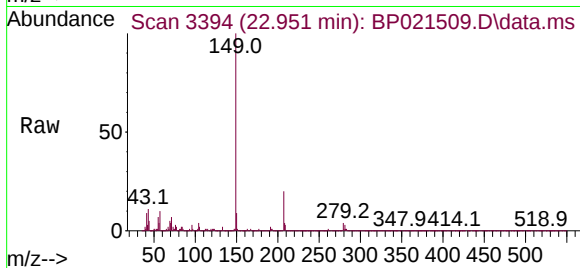
Tgt Ion:149 Resp: 444984

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.5 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.098 min Scan# 3759

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

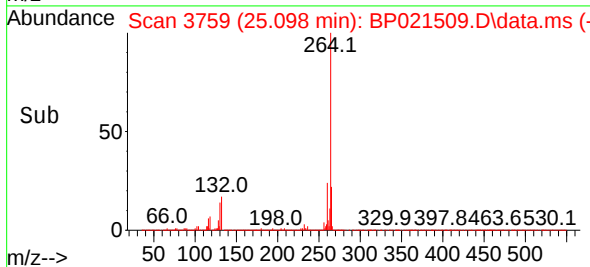
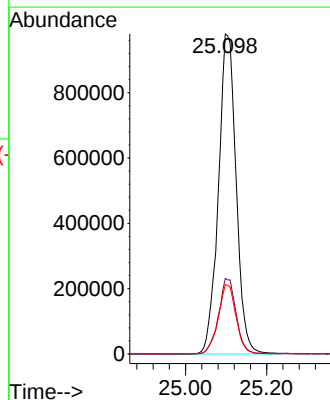
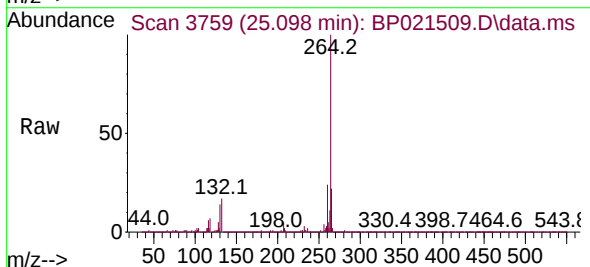
Tgt Ion:264 Resp: 2978689

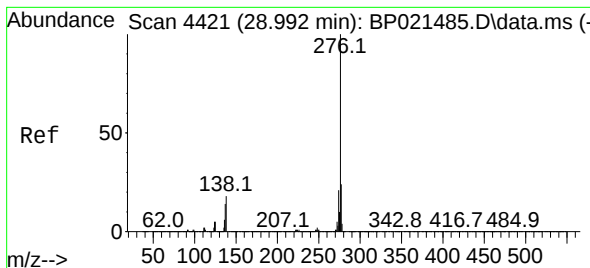
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.255 ng

RT: 28.962 min Scan# 4421

Delta R.T. -0.030 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

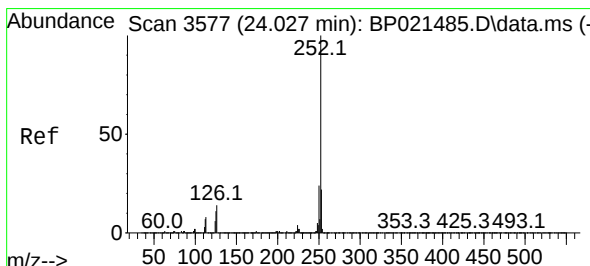
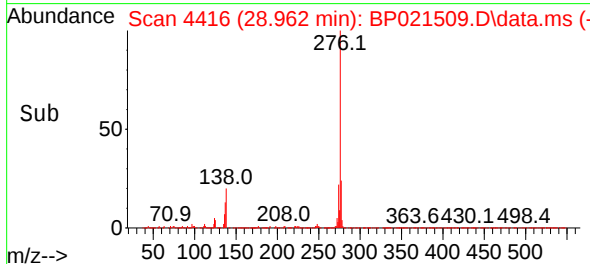
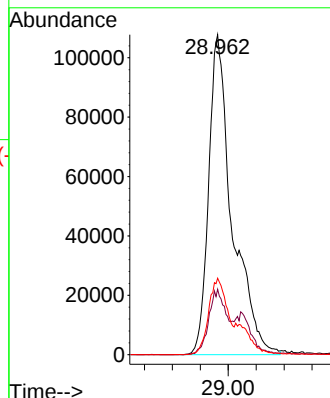
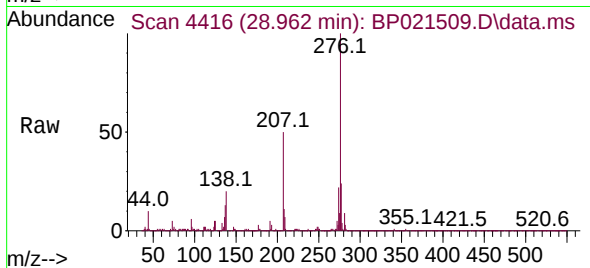
Tgt Ion:276 Resp: 628413

Ion Ratio Lower Upper

276 100

138 15.0 12.8 19.2

277 19.0 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 4.004 ng

RT: 24.021 min Scan# 3576

Delta R.T. -0.006 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

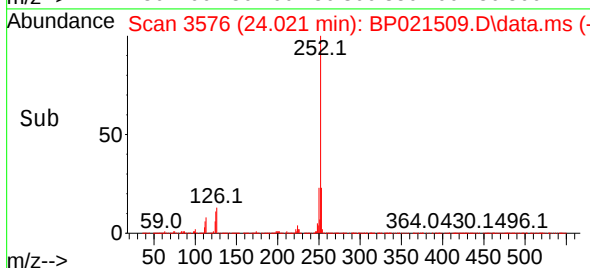
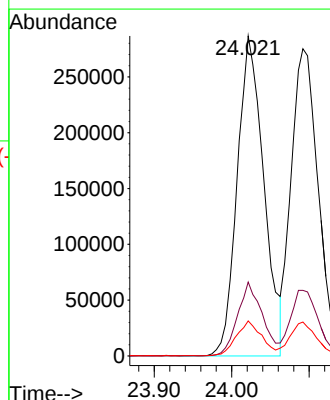
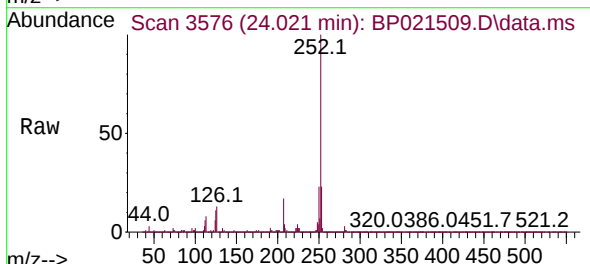
Tgt Ion:252 Resp: 684912

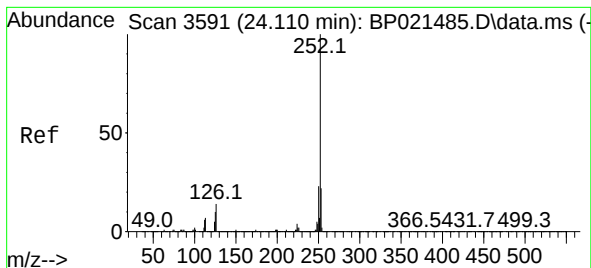
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 4.039 ng

RT: 24.092 min Scan# 3588

Delta R.T. -0.018 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

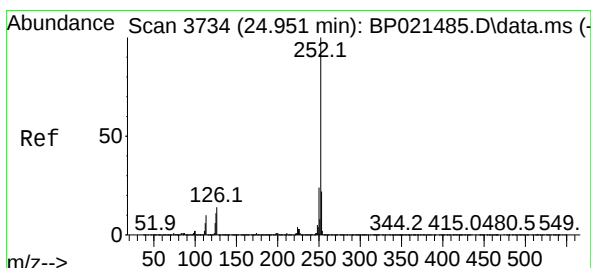
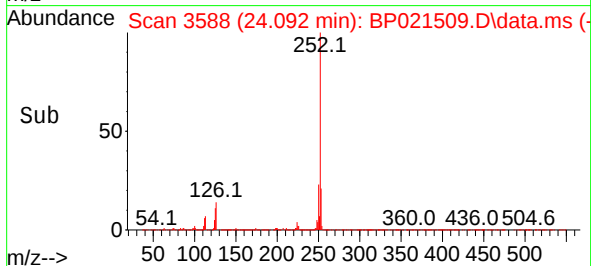
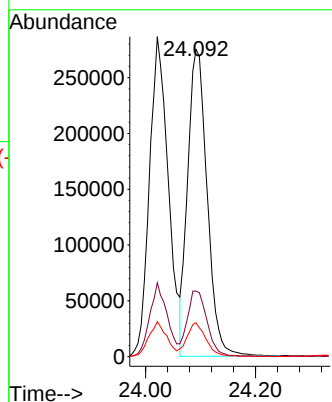
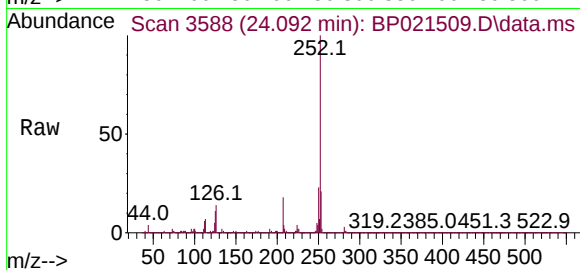
Tgt Ion:252 Resp: 673993

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 11.1 7.8 11.8



#90

Benzo(a)pyrene

Concen: 3.754 ng

RT: 24.927 min Scan# 3730

Delta R.T. -0.024 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

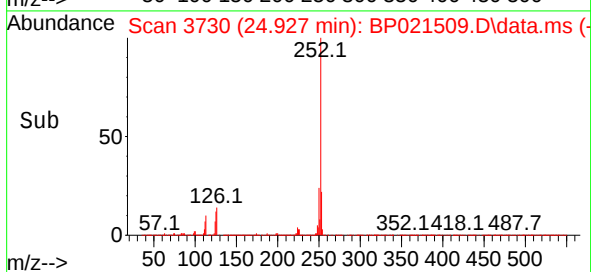
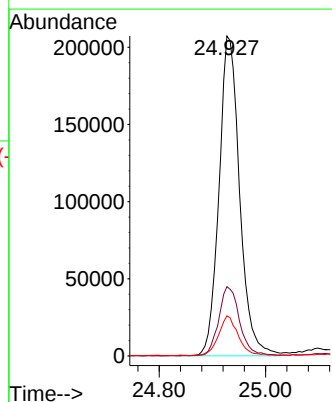
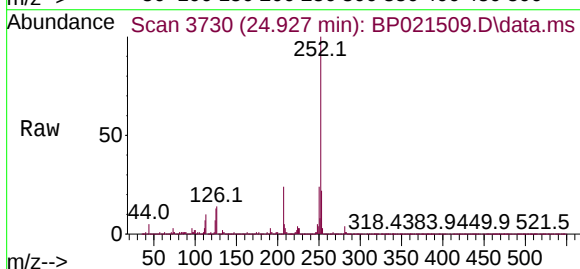
Tgt Ion:252 Resp: 557245

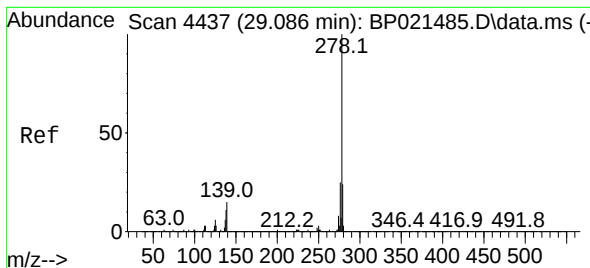
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 12.5 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 3.276 ng

RT: 29.050 min Scan# 4437

Delta R.T. -0.035 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

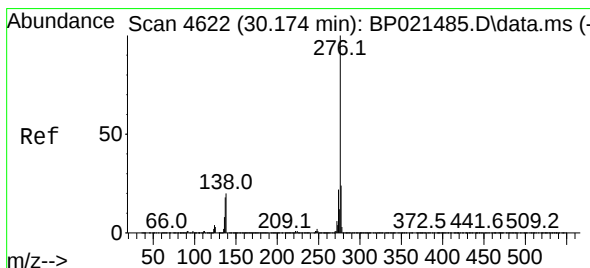
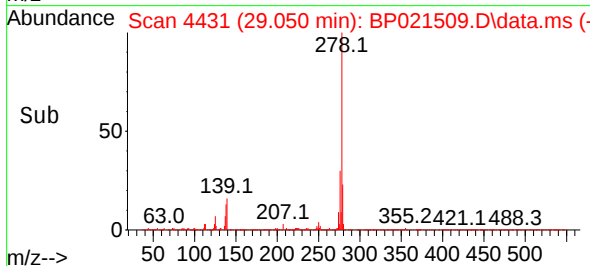
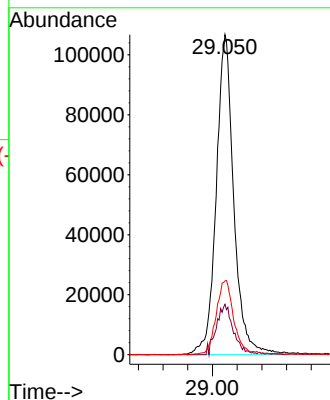
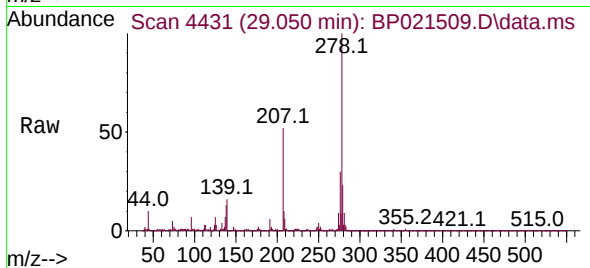
Tgt Ion:278 Resp: 525517

Ion Ratio Lower Upper

278 100

139 15.8 12.2 18.4

279 23.1 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 3.146 ng

RT: 30.145 min Scan# 4617

Delta R.T. -0.030 min

Lab File: BP021509.D

Acq: 15 Aug 2024 11:18

Tgt Ion:276 Resp: 505802

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 22.0 16.0 24.0

