

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081524\
 Data File : BP021510.D
 Acq On : 15 Aug 2024 12:00
 Operator : RC/JU
 Sample : P3390-03
 Misc : MDL-MDL-SOIL-8ng
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 15 12:32:54 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	348397	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1431294	20.000	ng	-0.01
39) Acenaphthene-d10	14.440	164	899064	20.000	ng	-0.02
64) Phenanthrene-d10	17.234	188	1859893	20.000	ng	-0.02
76) Chrysene-d12	21.692	240	1598210	20.000	ng	0.00
86) Perylene-d12	25.086	264	1686397	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	3120628	133.001	ng	0.00
7) Phenol-d6	6.964	99	4443051	129.809	ng	0.00
23) Nitrobenzene-d5	8.952	82	2806192	101.196	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	1253189	125.241	ng	-0.02
45) 2-Fluorobiphenyl	13.057	172	5279194	89.614	ng	0.00
79) Terphenyl-d14	19.963	244	6909177	83.986	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.317	88	96793	8.700	ng	99
3) Pyridine	3.705	79	228724	7.365	ng	99
4) n-Nitrosodimethylamine	3.617	42	81277	8.707	ng	# 95
6) Aniline	7.128	93	333732	9.753	ng	100
8) 2-Chlorophenol	7.369	128	180352	8.318	ng	95
9) Benzaldehyde	6.946	77	224834	10.259	ng	97
10) Phenol	6.987	94	290801	8.205	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	243964	8.135	ng	99
12) 1,3-Dichlorobenzene	7.693	146	208014	8.076	ng	99
13) 1,4-Dichlorobenzene	7.840	146	211253	8.123	ng	99
14) 1,2-Dichlorobenzene	8.158	146	200612	8.004	ng	99
15) Benzyl Alcohol	8.028	79	199960	8.142	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.322	45	227980	8.255	ng	99
17) 2-Methylphenol	8.234	107	175180	7.818	ng	98
18) Hexachloroethane	8.887	117	82791	7.939	ng	98
19) n-Nitroso-di-n-propyla...	8.605	70	185756	7.857	ng	98
20) 3+4-Methylphenols	8.558	107	229256	7.588	ng	99
22) Acetophenone	8.616	105	368653	8.384	ng	# 98
24) Nitrobenzene	8.987	77	272167	9.037	ng	100
25) Isophorone	9.516	82	515459	7.868	ng	98
26) 2-Nitrophenol	9.699	139	46986	10.502	ng	96
27) 2,4-Dimethylphenol	9.757	122	125930	7.789	ng	94
28) bis(2-Chloroethoxy)met...	9.993	93	317641	7.943	ng	99
29) 2,4-Dichlorophenol	10.234	162	148420	7.770	ng	99
30) 1,2,4-Trichlorobenzene	10.457	180	191464	7.818	ng	98
31) Naphthalene	10.640	128	611705	8.181	ng	99
32) Benzoic acid	9.805	122	43308	8.761	ng	94
33) 4-Chloroaniline	10.740	127	240729	8.571	ng	99
34) Hexachlorobutadiene	10.940	225	116502	7.555	ng	98
35) Caprolactam	11.475	113	55686	7.004	ng	99
36) 4-Chloro-3-methylphenol	11.851	107	195995	7.397	ng	99
37) 2-Methylnaphthalene	12.251	142	394686	7.734	ng	98
38) 1-Methylnaphthalene	12.469	142	378001	7.510	ng	100
40) 1,2,4,5-Tetrachloroben...	12.616	216	222437	8.444	ng	99
41) Hexachlorocyclopentadiene	12.604	237	64469	7.722	ng	99
43) 2,4,6-Trichlorophenol	12.857	196	107051	7.316	ng	98

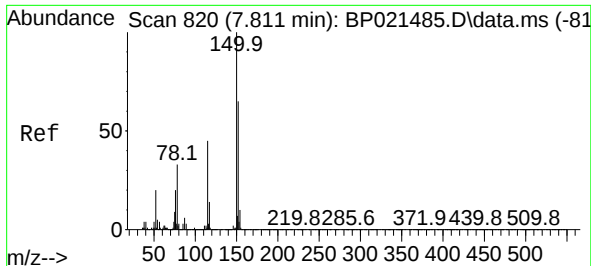
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 00:00:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	124943	7.685	ng	99
46) 1,1'-Biphenyl	13.263	154	530288	8.337	ng	99
47) 2-Chloronaphthalene	13.304	162	409192	8.263	ng	99
48) 2-Nitroaniline	13.498	65	90094	10.942	ng	96
49) Acenaphthylene	14.157	152	645598	8.868	ng	99
50) Dimethylphthalate	13.893	163	484634	8.049	ng	99
51) 2,6-Dinitrotoluene	13.998	165	76709	9.776	ng	93
52) Acenaphthene	14.498	154	387039	8.103	ng	99
53) 3-Nitroaniline	14.322	138	82155	10.280	ng #	91
54) 2,4-Dinitrophenol	14.528	184	18101	9.891	ng #	57
55) Dibenzofuran	14.840	168	622663	8.474	ng	98
56) 4-Nitrophenol	14.622	139	57115	10.435	ng	92
57) 2,4-Dinitrotoluene	14.793	165	86096	10.012	ng	97
58) Fluorene	15.498	166	493034	8.167	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.069	232	103470	7.498	ng #	97
60) Diethylphthalate	15.269	149	464770	7.523	ng	99
61) 4-Chlorophenyl-phenyle...	15.498	204	247426	7.929	ng	100
62) 4-Nitroaniline	15.498	138	84117	9.369	ng	95
63) Azobenzene	15.798	77	619463	8.157	ng	98
65) 4,6-Dinitro-2-methylph...	15.563	198	25868	10.310	ng	97
66) n-Nitrosodiphenylamine	15.716	169	413298	8.292	ng	98
67) 4-Bromophenyl-phenylether	16.410	248	137670	6.994	ng	100
68) Hexachlorobenzene	16.522	284	180260	7.749	ng	96
69) Atrazine	16.681	200	128587	7.514	ng	98
70) Pentachlorophenol	16.869	266	66879	5.267	ng	97
71) Phenanthrene	17.281	178	758889	8.484	ng	99
72) Anthracene	17.369	178	710695	8.102	ng	100
73) Carbazole	17.639	167	666339	7.882	ng	99
74) Di-n-butylphthalate	18.257	149	653333	6.293	ng	99
75) Fluoranthene	19.363	202	809086	7.372	ng	99
77) Benzidine	19.557	184	261713	10.033	ng	97
78) Pyrene	19.739	202	859710	8.230	ng	100
80) Butylbenzylphthalate	20.698	149	181762	7.843	ng	93
81) Benzo(a)anthracene	21.674	228	806668	8.040	ng	99
82) 3,3'-Dichlorobenzidine	21.592	252	233999	7.274	ng	99
83) Chrysene	21.745	228	760307	8.026	ng	99
84) Bis(2-ethylhexyl)phtha...	21.639	149	329416	5.555	ng	98
85) Di-n-octyl phthalate	22.945	149	400870	8.297	ng	96
87) Indeno(1,2,3-cd)pyrene	28.939	276	668385	6.114	ng #	93
88) Benzo(b)fluoranthene	24.021	252	732541	7.563	ng	98
89) Benzo(k)fluoranthene	24.092	252	730481	7.731	ng	99
90) Benzo(a)pyrene	24.927	252	648420	7.715	ng	99
91) Dibenzo(a,h)anthracene	29.027	278	693704	7.638	ng	100
92) Benzo(g,h,i)perylene	30.139	276	679547	7.465	ng	98

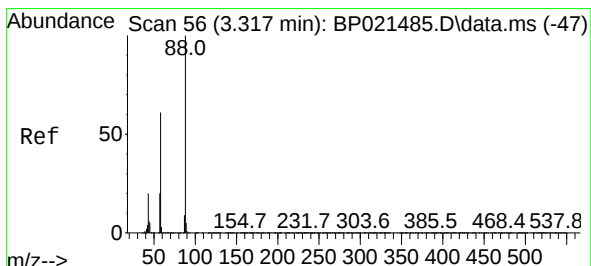
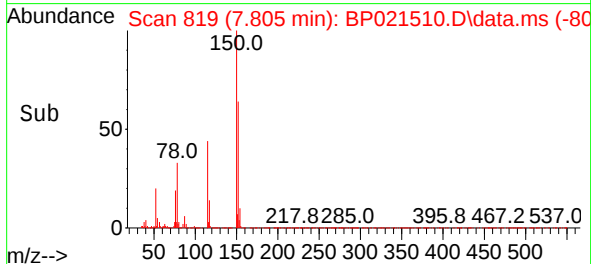
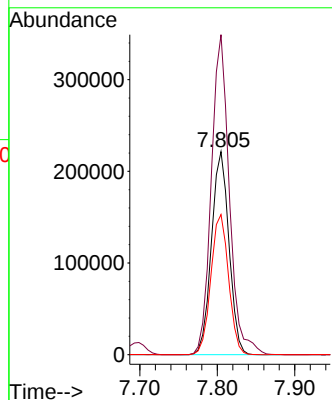
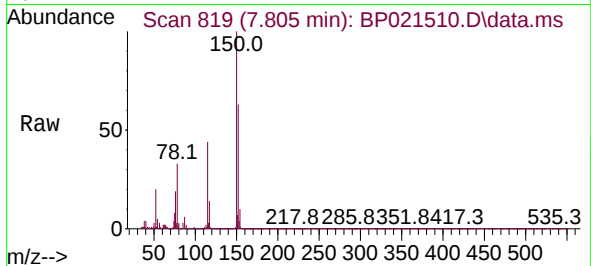
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

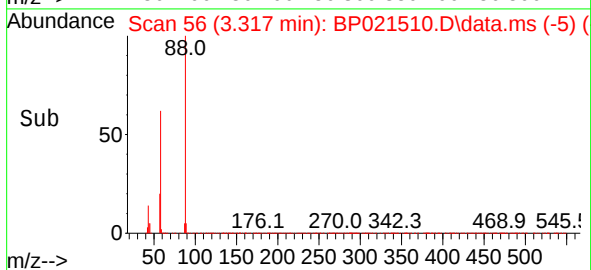
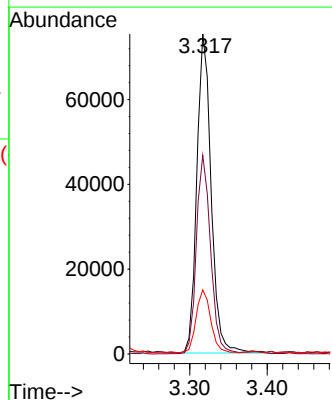
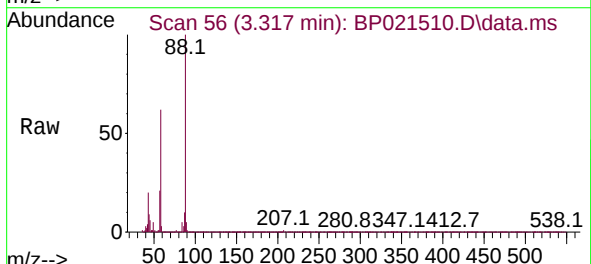
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

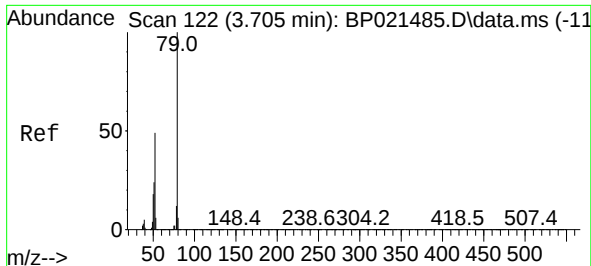
Tgt Ion:152 Resp: 348397
Ion Ratio Lower Upper
152 100
150 157.6 122.4 183.6
115 69.0 54.7 82.1



#2
1,4-Dioxane
Concen: 8.700 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion: 88 Resp: 96793
Ion Ratio Lower Upper
88 100
58 61.6 48.7 73.1
43 20.0 15.4 23.2





#3

Pyridine

Concen: 7.365 ng

RT: 3.705 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

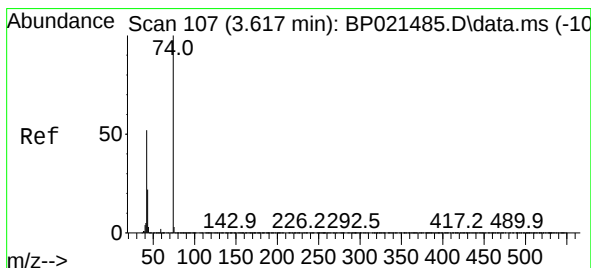
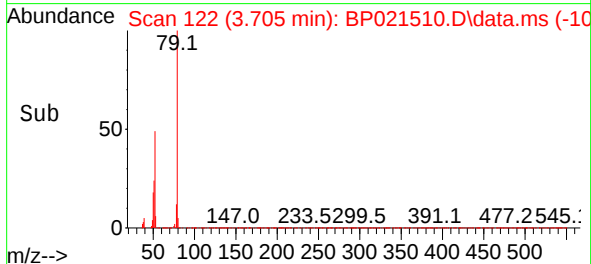
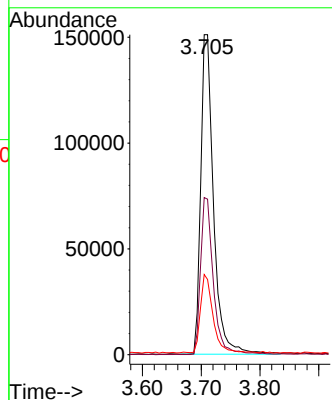
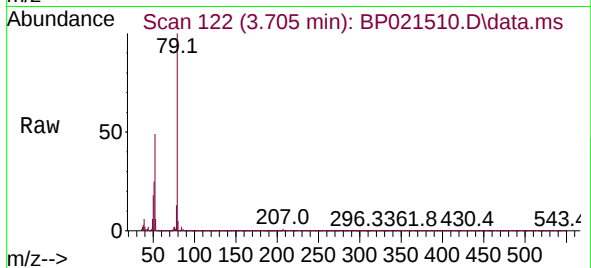
Tgt Ion: 79 Resp: 228724

Ion Ratio Lower Upper

79 100

52 49.1 39.0 58.6

51 25.1 19.2 28.8



#4

n-Nitrosodimethylamine

Concen: 8.707 ng

RT: 3.617 min Scan# 107

Delta R.T. -0.000 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

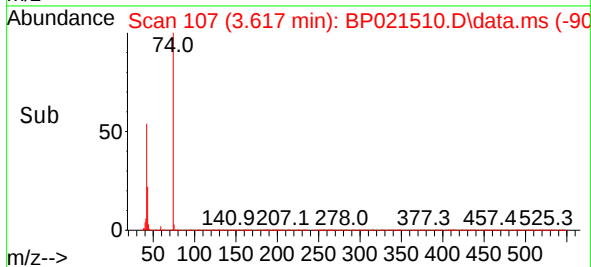
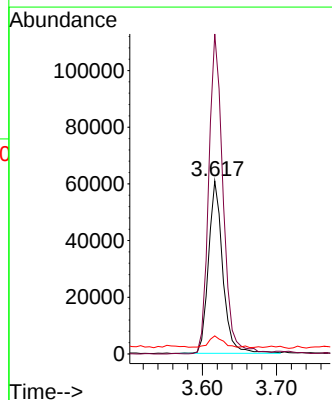
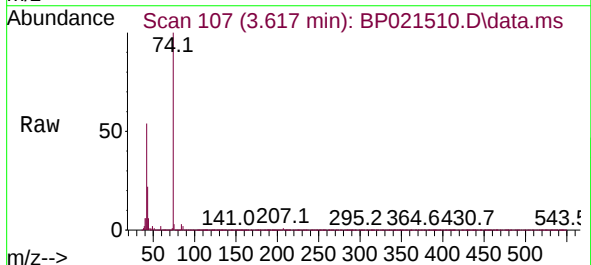
Tgt Ion: 42 Resp: 81277

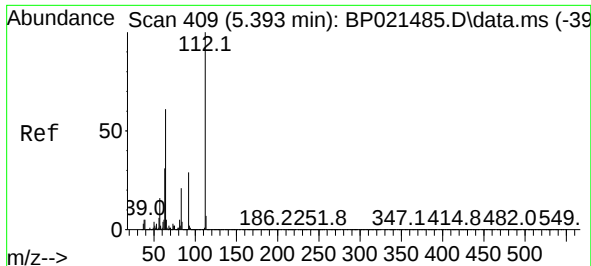
Ion Ratio Lower Upper

42 100

74 185.0 154.3 231.5

44 10.4 6.2 9.4#

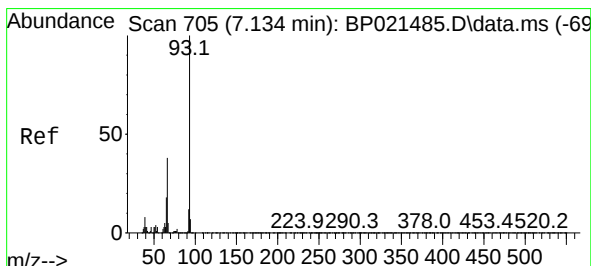
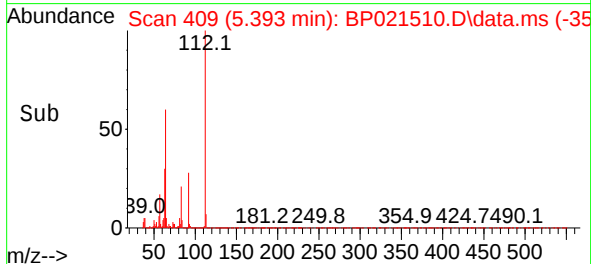
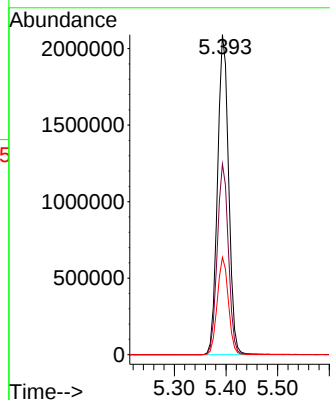
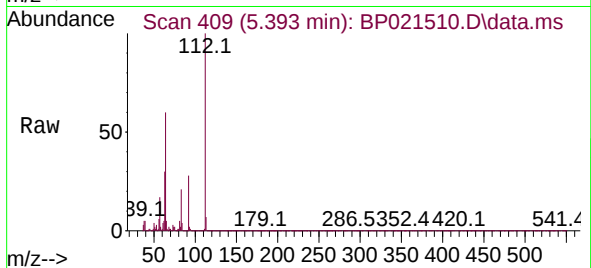




#5
2-Fluorophenol
Concen: 133.001 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

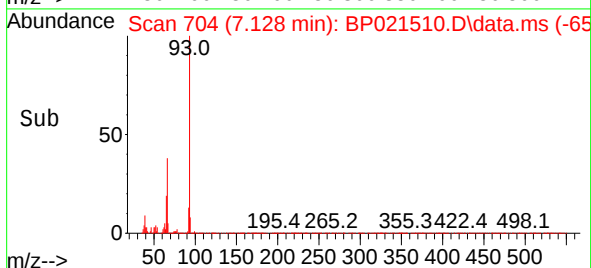
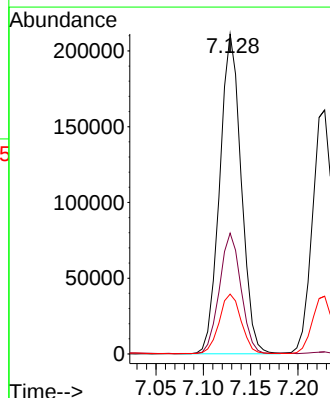
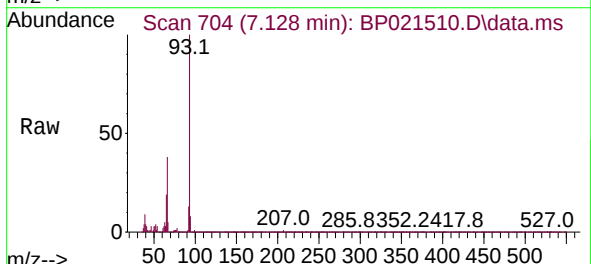
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

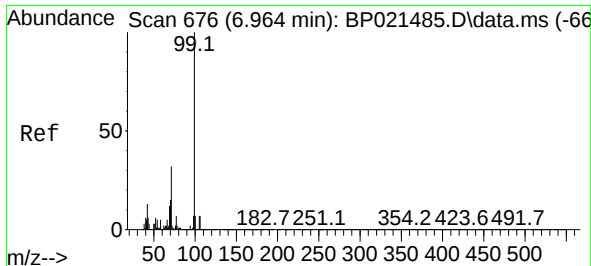
Tgt Ion:112 Resp: 3120628
Ion Ratio Lower Upper
112 100
64 59.6 49.0 73.6
63 30.4 24.6 36.8



#6
Aniline
Concen: 9.753 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion: 93 Resp: 333732
Ion Ratio Lower Upper
93 100
66 37.7 30.2 45.2
65 18.7 14.7 22.1



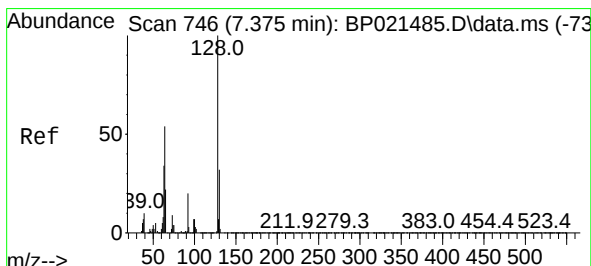
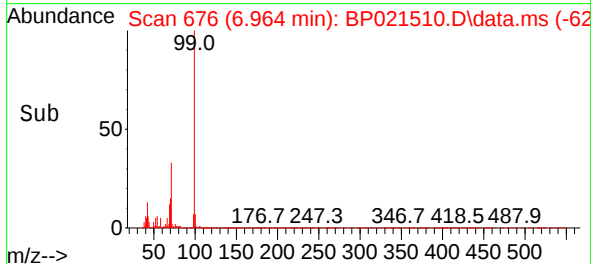
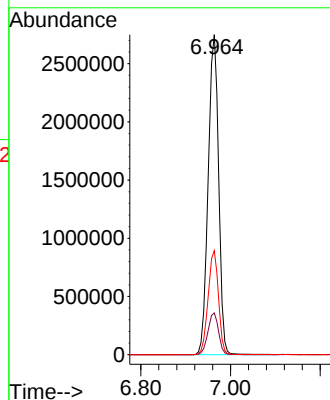
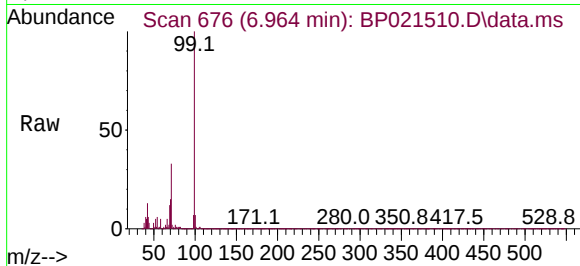


#7
Phenol-d6
Concen: 129.809 ng
RT: 6.964 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

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

Tgt Ion: 99 Resp: 4443051

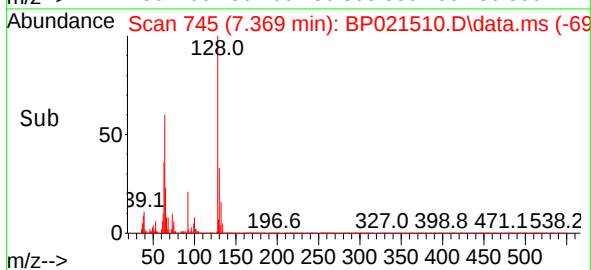
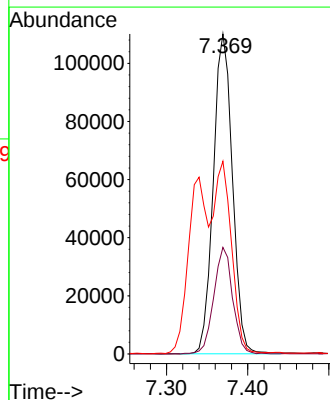
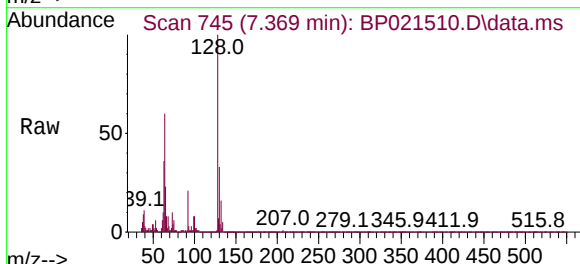
Ion	Ratio	Lower	Upper
99	100		
42	13.0	10.2	15.4
71	32.5	25.8	38.8

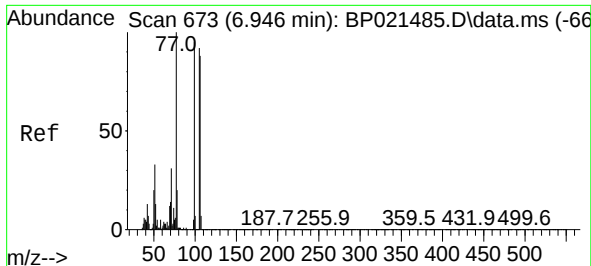


#8
2-Chlorophenol
Concen: 8.318 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:128 Resp: 180352

Ion	Ratio	Lower	Upper
128	100		
130	33.3	11.6	51.6
64	60.2	35.3	75.3

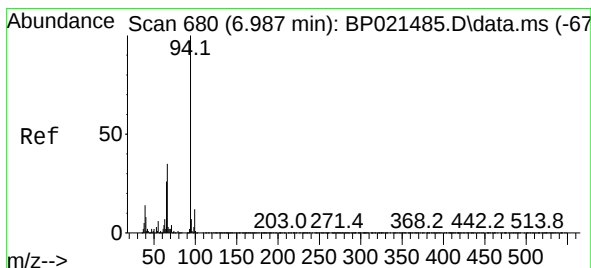
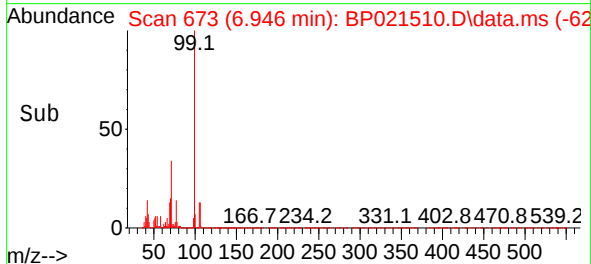
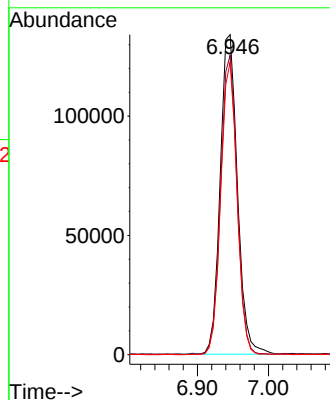
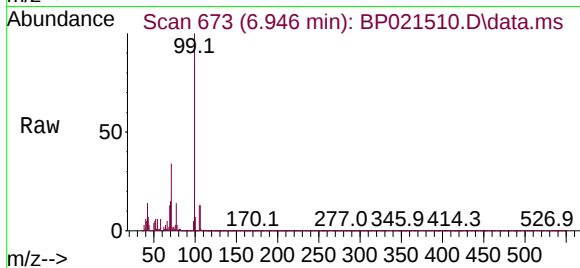




#9
Benzaldehyde
Concen: 10.259 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

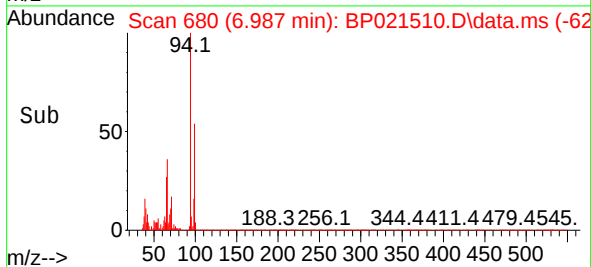
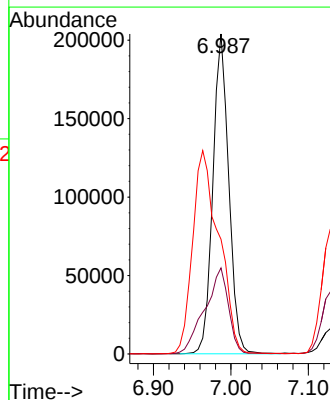
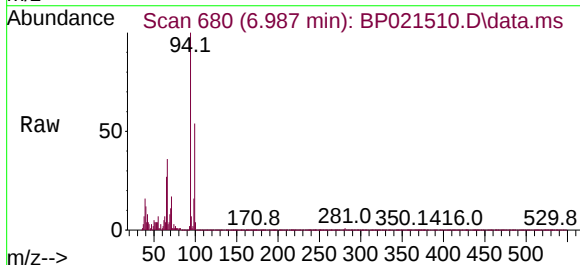
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

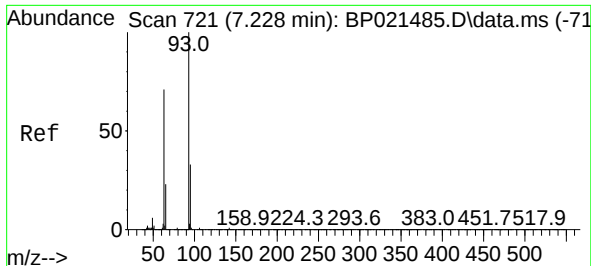
Tgt Ion: 77 Resp: 224834
Ion Ratio Lower Upper
77 100
105 93.6 72.1 112.1
106 91.4 67.9 107.9



#10
Phenol
Concen: 8.205 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion: 94 Resp: 290801
Ion Ratio Lower Upper
94 100
65 26.9 6.5 46.5
66 35.9 14.7 54.7

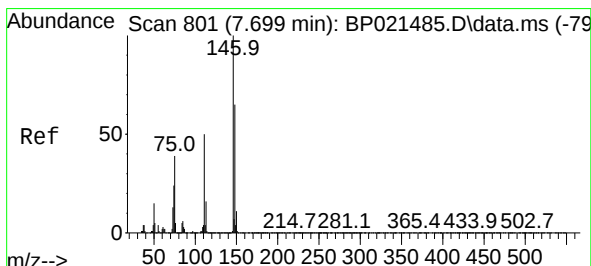
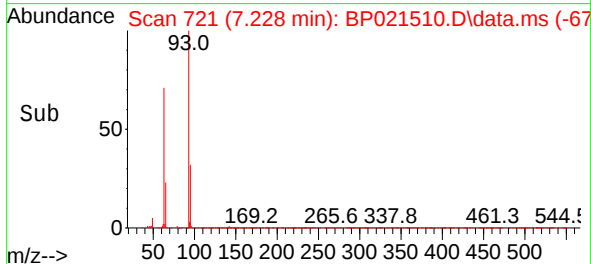
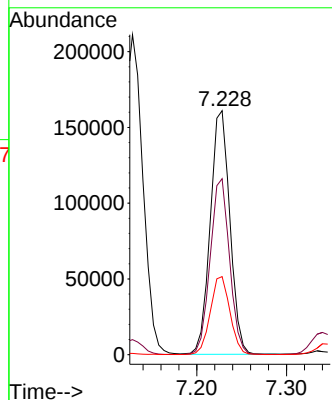
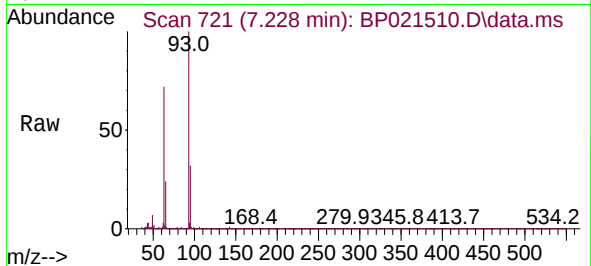




#11
bis(2-Chloroethyl)ether
Concen: 8.135 ng
RT: 7.228 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

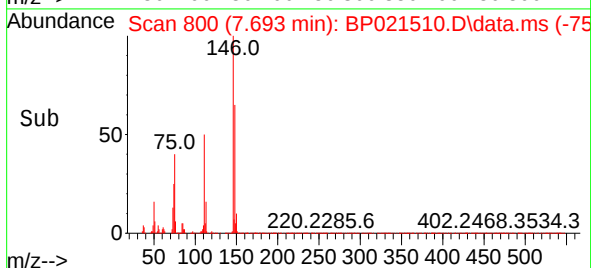
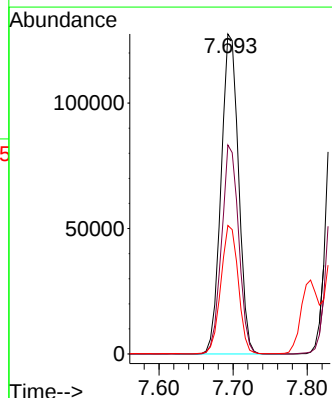
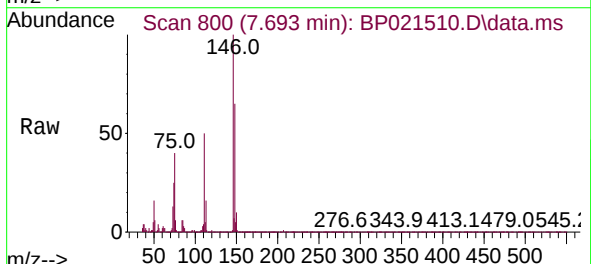
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

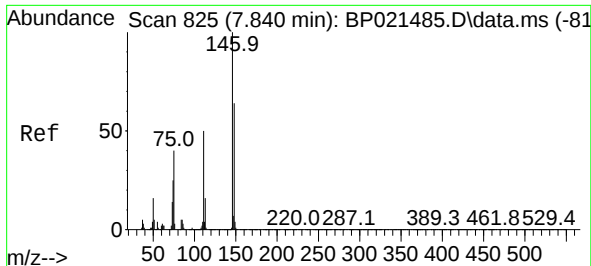
Tgt Ion: 93 Resp: 243964
Ion Ratio Lower Upper
93 100
63 72.1 51.0 91.0
95 32.0 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 8.076 ng
RT: 7.693 min Scan# 800
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:146 Resp: 208014
Ion Ratio Lower Upper
146 100
148 65.3 51.8 77.6
75 40.1 31.3 46.9

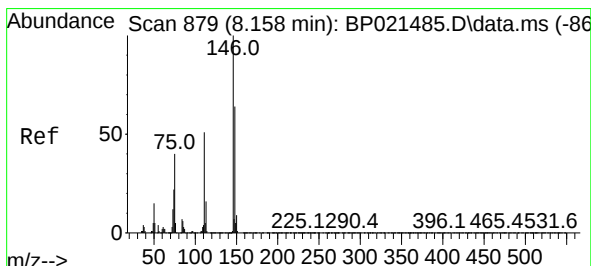
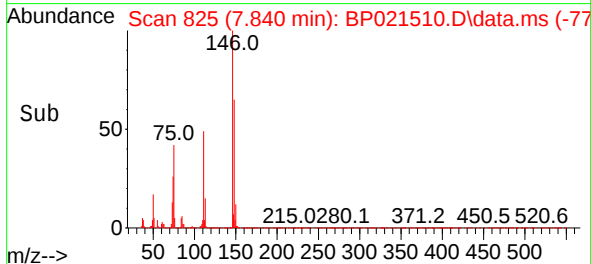
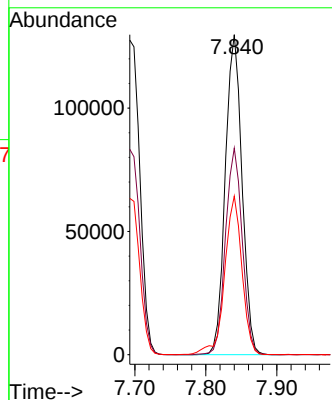
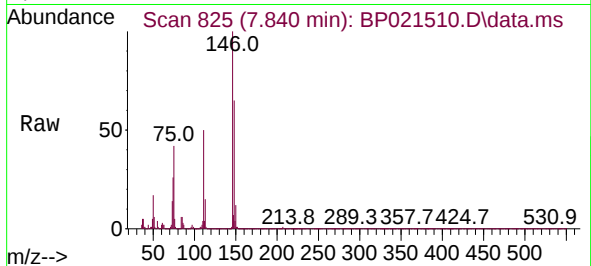




#13
1,4-Dichlorobenzene
Concen: 8.123 ng
RT: 7.840 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

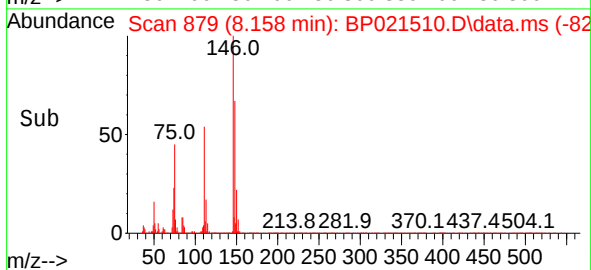
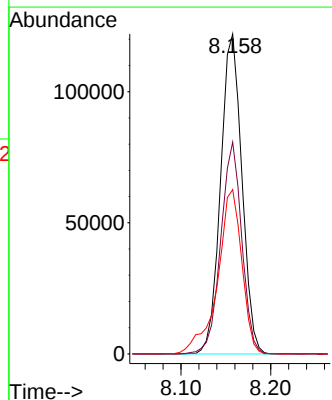
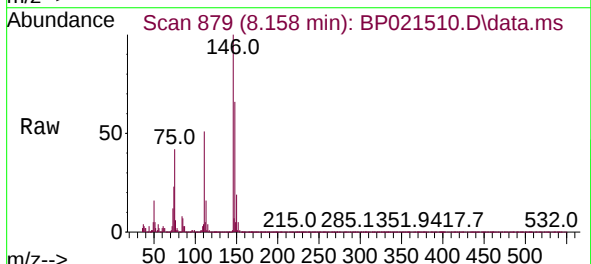
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

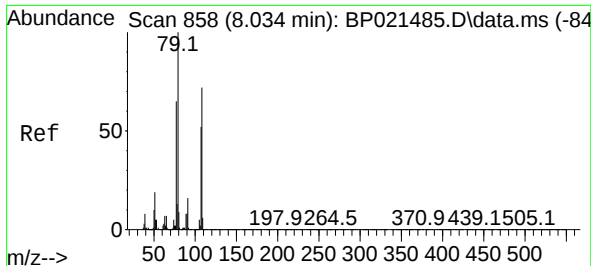
Tgt Ion:146 Resp: 211253
Ion Ratio Lower Upper
146 100
148 64.6 51.5 77.3
111 49.6 40.3 60.5



#14
1,2-Dichlorobenzene
Concen: 8.004 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:146 Resp: 200612
Ion Ratio Lower Upper
146 100
148 66.2 51.5 77.3
111 51.4 41.1 61.7





#15

Benzyl Alcohol

Concen: 8.142 ng

RT: 8.028 min Scan# 80

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

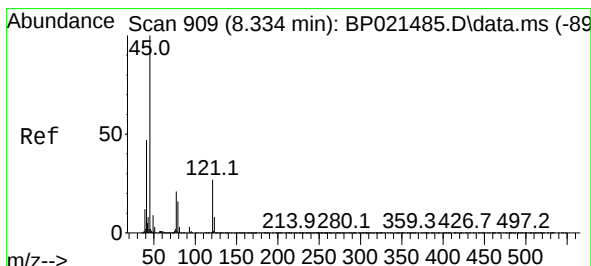
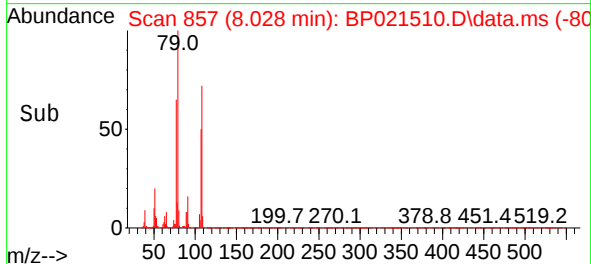
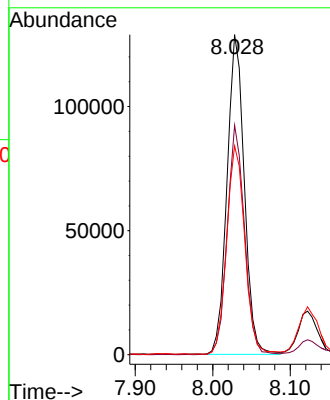
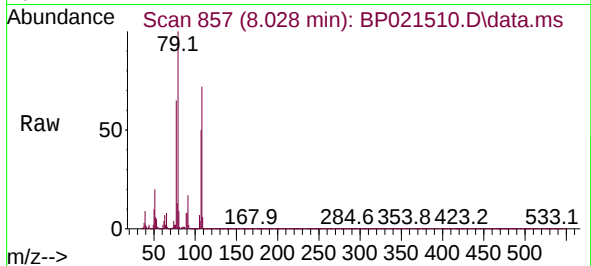
Tgt Ion: 79 Resp: 199960

Ion Ratio Lower Upper

79 100

108 71.7 57.9 86.9

77 65.2 51.8 77.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 8.255 ng

RT: 8.322 min Scan# 907

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

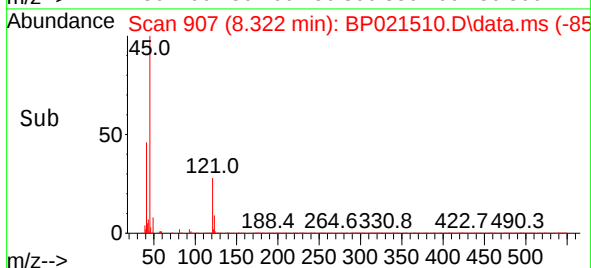
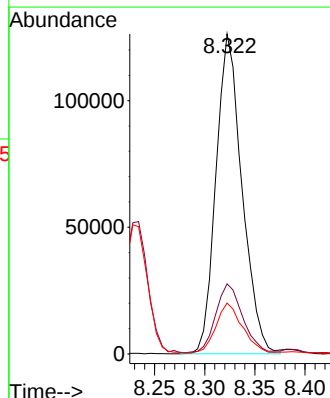
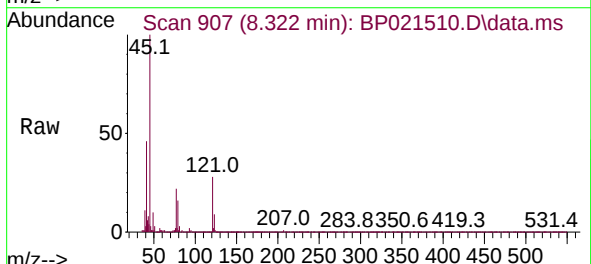
Tgt Ion: 45 Resp: 227980

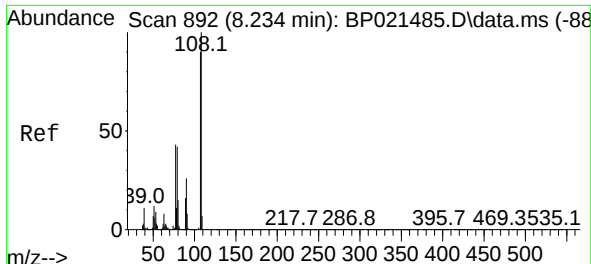
Ion Ratio Lower Upper

45 100

77 21.9 1.9 41.9

79 15.9 0.0 36.6

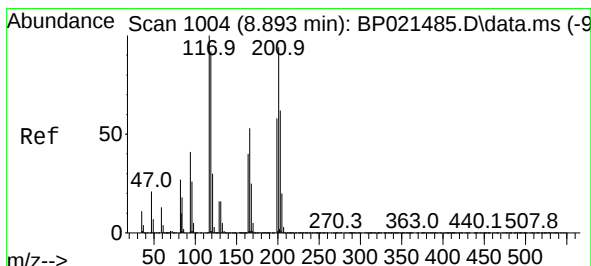
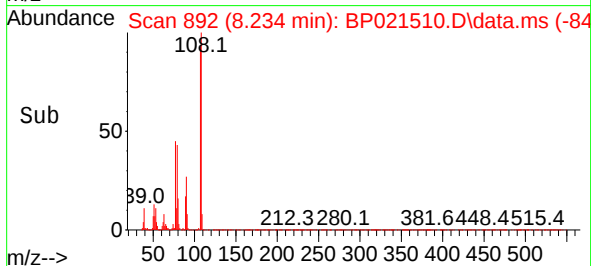
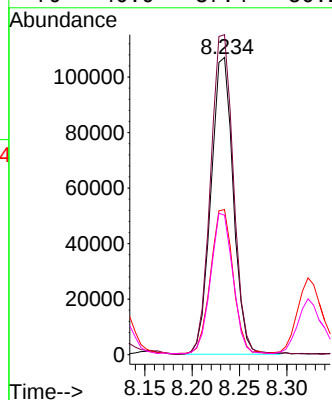
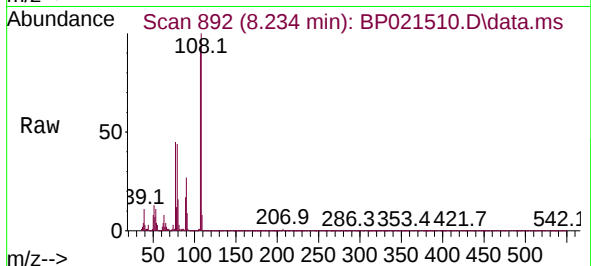




#17
2-Methylphenol
Concen: 7.818 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

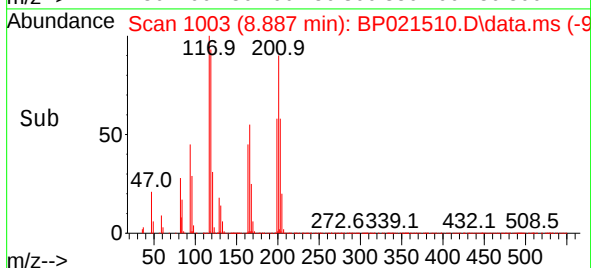
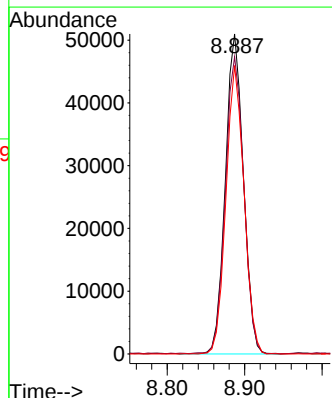
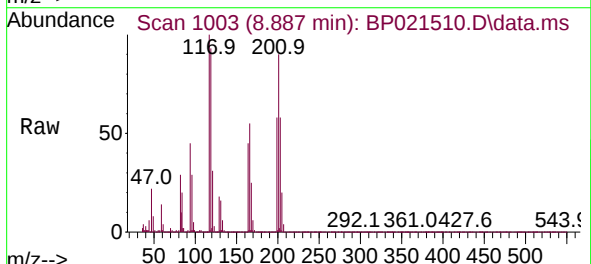
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT3-2024

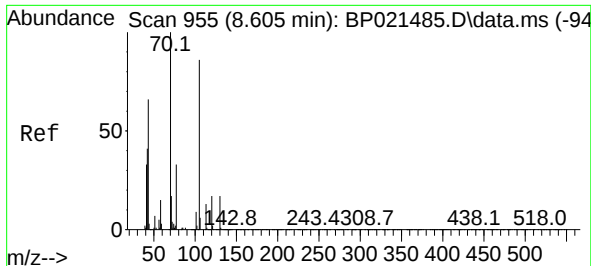
Tgt Ion:	107	Resp:	175180
Ion	Ratio	Lower	Upper
107	100		
108	107.6	88.8	133.2
77	48.8	38.7	58.1
79	46.9	37.4	56.2



#18
Hexachloroethane
Concen: 7.939 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:	117	Resp:	82791
Ion	Ratio	Lower	Upper
117	100		
119	92.8	73.9	110.9
201	90.1	74.9	112.3

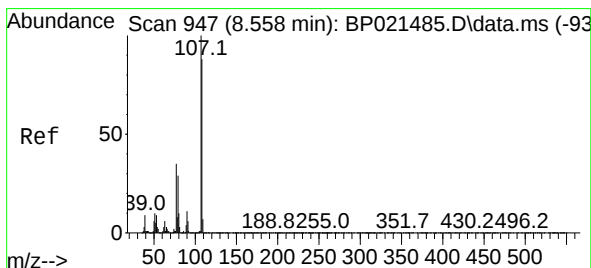
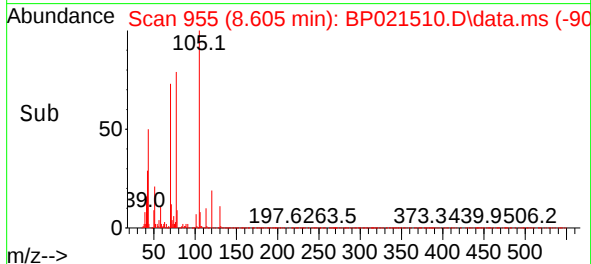
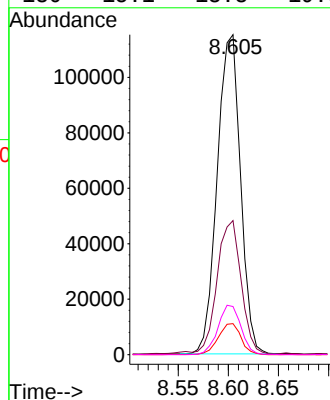
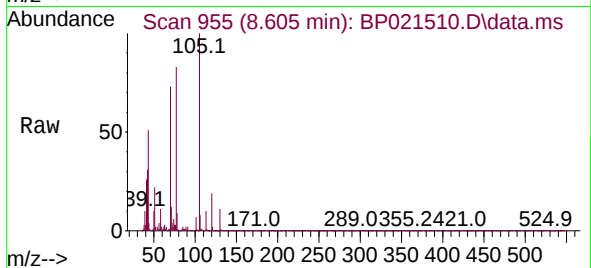




#19
n-Nitroso-di-n-propylamine
Concen: 7.857 ng
RT: 8.605 min Scan# 955
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

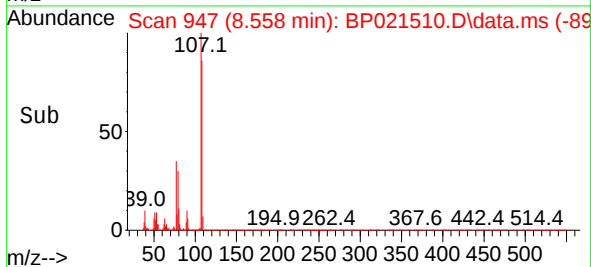
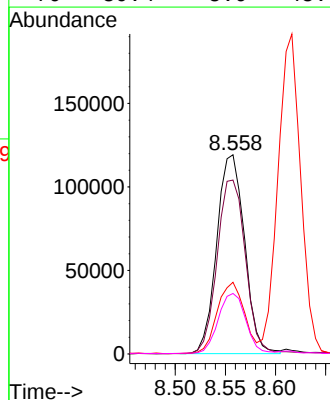
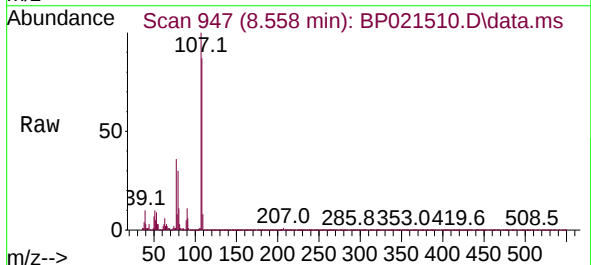
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

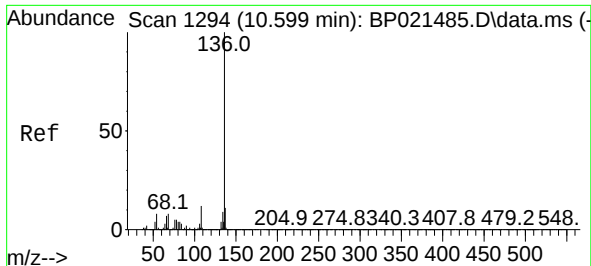
Tgt Ion: 70 Resp: 185756
Ion Ratio Lower Upper
70 100
42 41.9 33.1 49.7
101 9.7 7.4 11.2
130 15.1 13.3 19.9



#20
3+4-Methylphenols
Concen: 7.588 ng
RT: 8.558 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:107 Resp: 229256
Ion Ratio Lower Upper
107 100
108 87.3 67.6 107.6
77 36.0 15.0 55.0
79 30.4 8.9 48.9

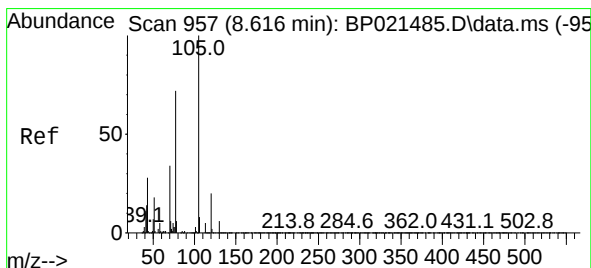
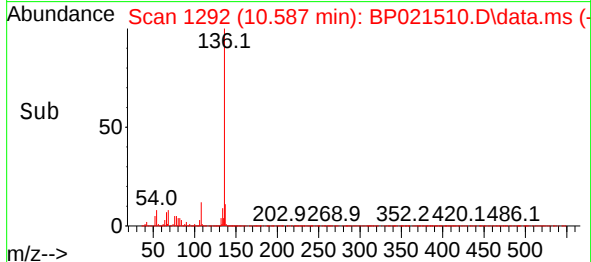
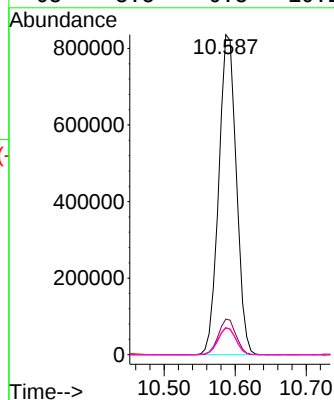
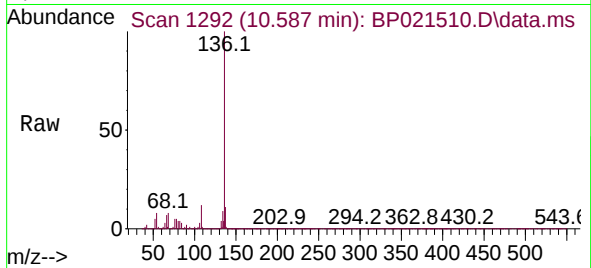




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

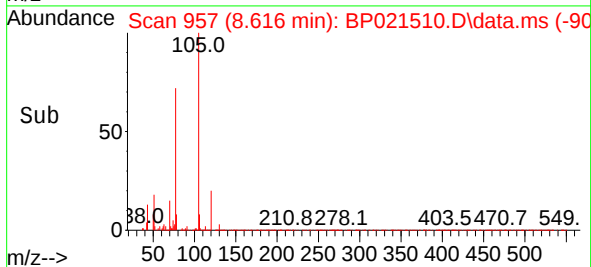
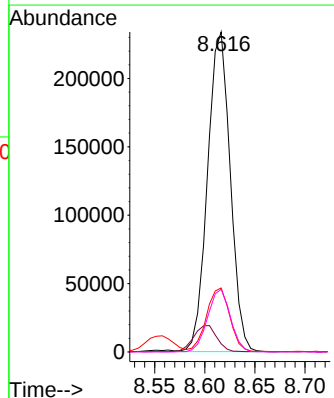
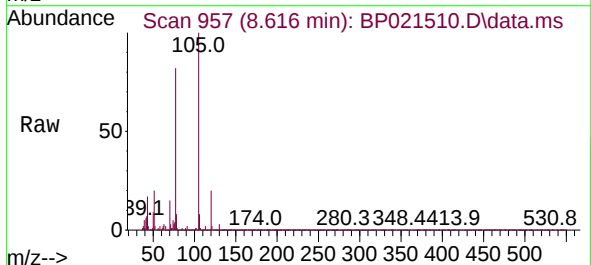
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

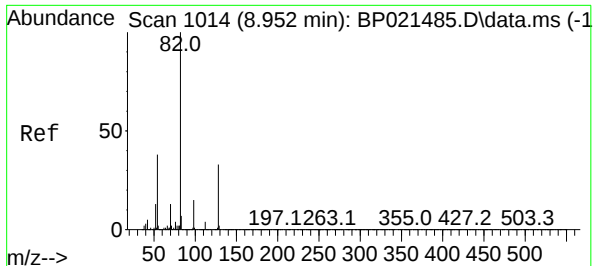
Tgt Ion:136 Resp: 1431294
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.3 9.5
68 8.5 6.8 10.2



#22
Acetophenone
Concen: 8.384 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:105 Resp: 368653
Ion Ratio Lower Upper
105 100
71 2.6 4.6 7.0#
51 20.0 16.3 24.5
120 19.6 16.2 24.2





#23

Nitrobenzene-d5

Concen: 101.196 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

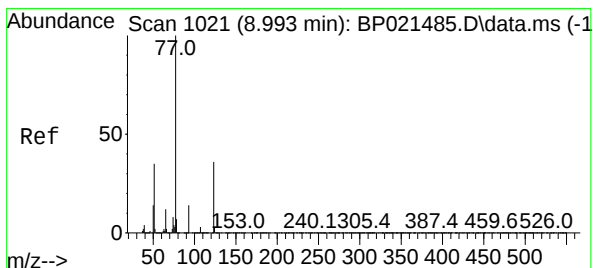
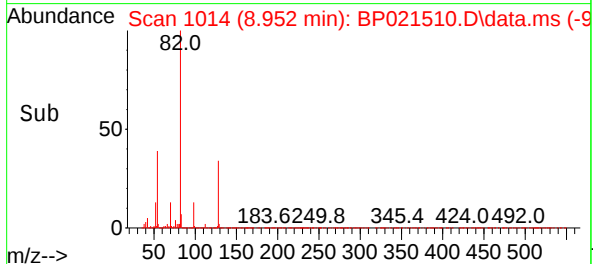
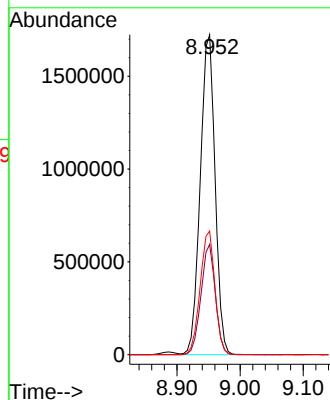
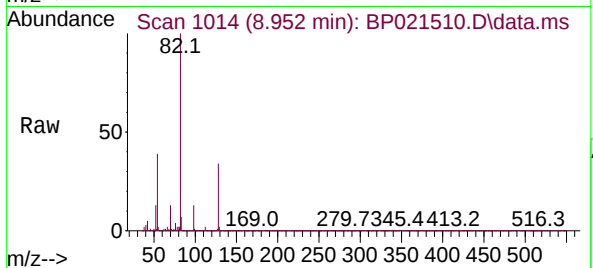
Tgt Ion: 82 Resp: 2806192

Ion Ratio Lower Upper

82 100

128 34.5 26.5 39.7

54 38.6 30.3 45.5



#24

Nitrobenzene

Concen: 9.037 ng

RT: 8.987 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

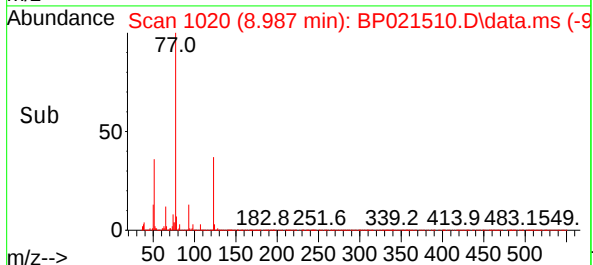
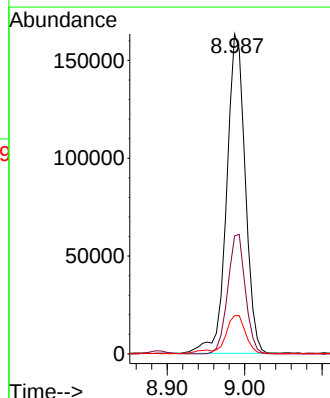
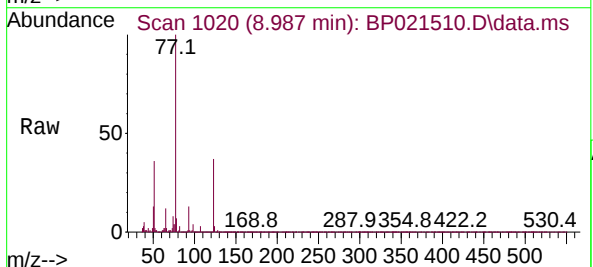
Tgt Ion: 77 Resp: 272167

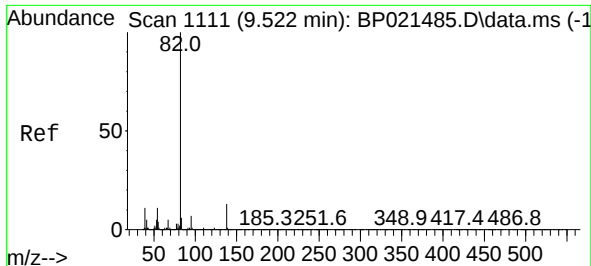
Ion Ratio Lower Upper

77 100

123 36.9 29.5 44.3

65 12.0 9.9 14.9

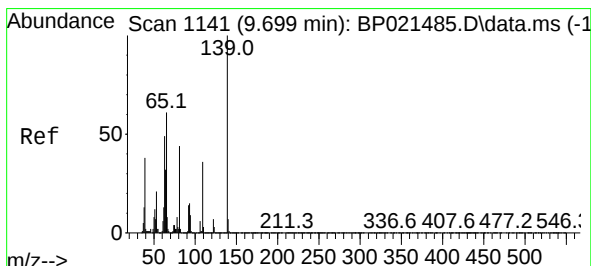
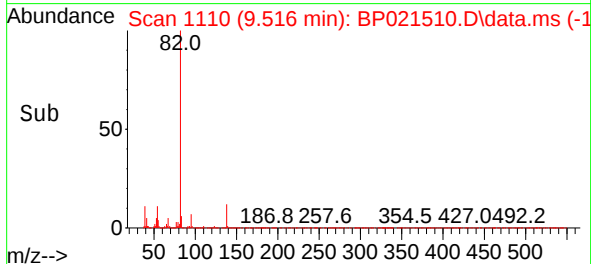
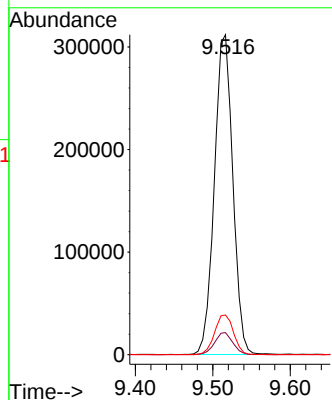
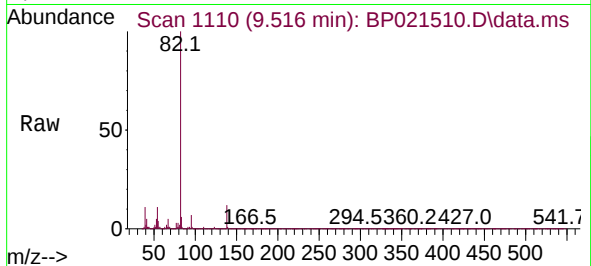




#25
Isophorone
Concen: 7.868 ng
RT: 9.516 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

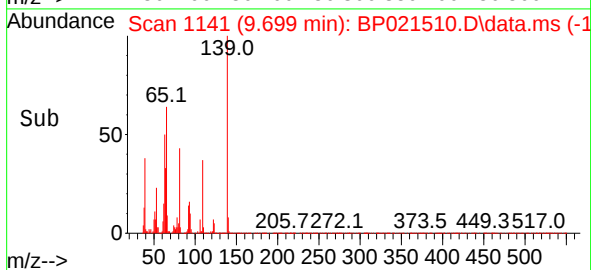
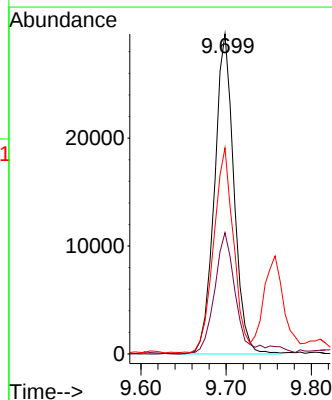
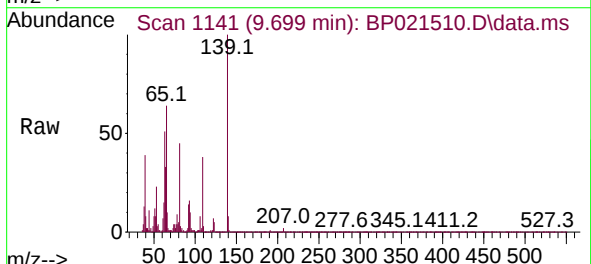
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

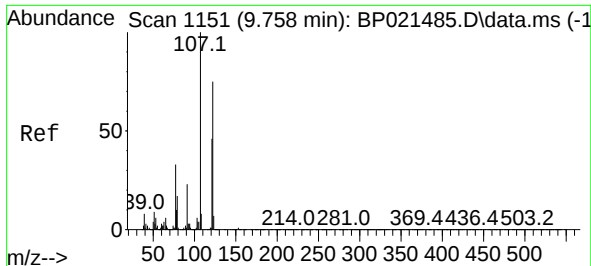
Tgt Ion: 82 Resp: 515459
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 12.4 10.6 16.0



#26
2-Nitrophenol
Concen: 10.502 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion: 139 Resp: 46986
Ion Ratio Lower Upper
139 100
109 37.9 28.9 43.3
65 64.4 49.0 73.6

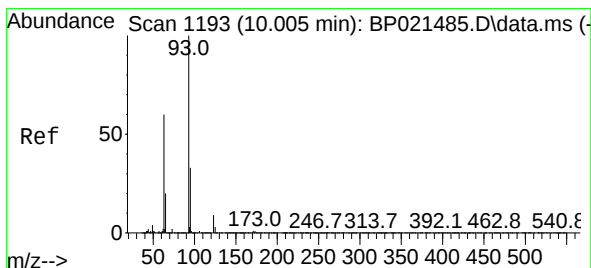
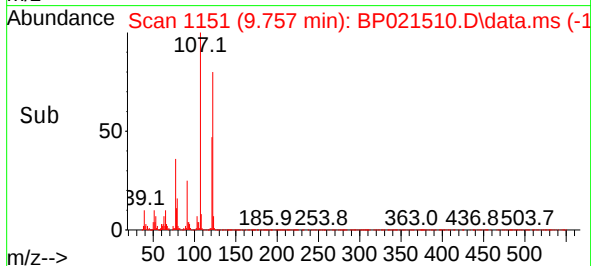
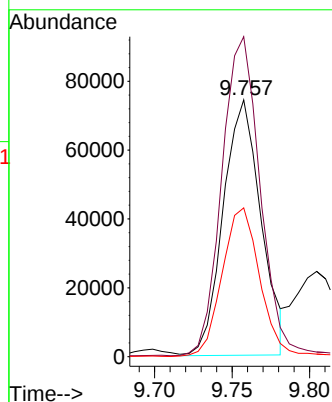
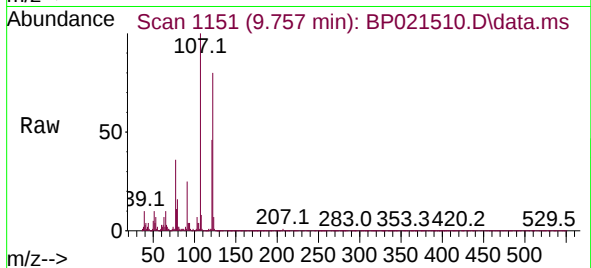




#27
2,4-Dimethylphenol
Concen: 7.789 ng
RT: 9.757 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

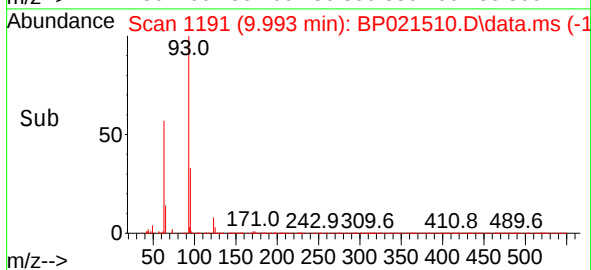
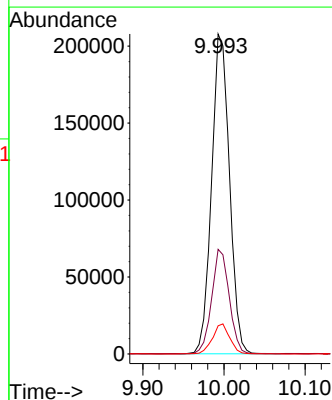
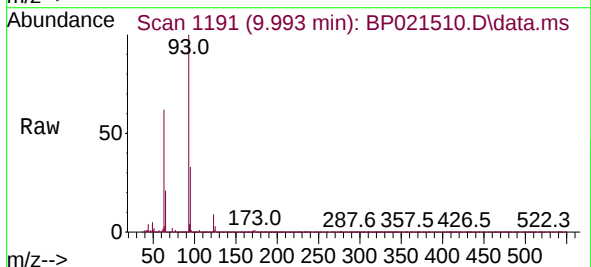
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

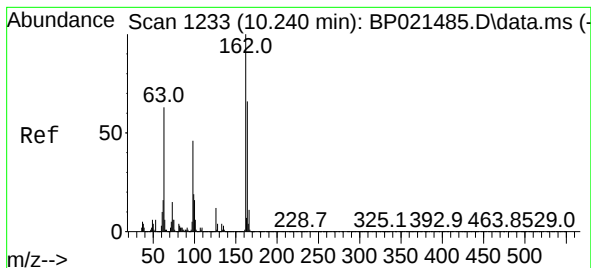
Tgt Ion:122 Resp: 125930
Ion Ratio Lower Upper
122 100
107 124.6 106.2 159.4
121 57.9 48.8 73.2



#28
bis(2-Chloroethoxy)methane
Concen: 7.943 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion: 93 Resp: 317641
Ion Ratio Lower Upper
93 100
95 32.7 26.2 39.4
123 8.8 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 7.770 ng

RT: 10.234 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

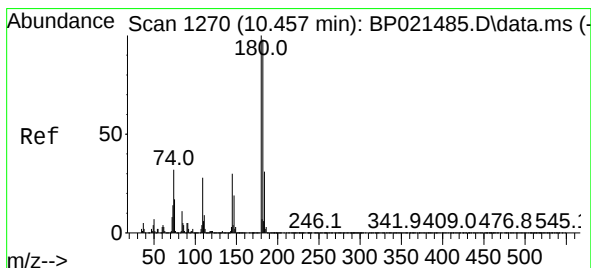
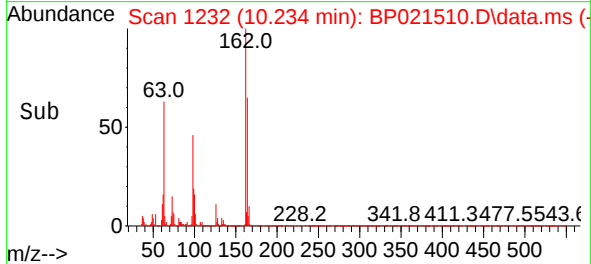
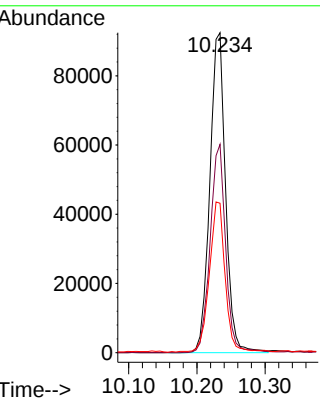
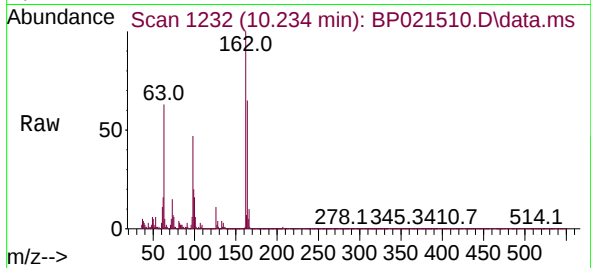
Tgt Ion:162 Resp: 148420

Ion Ratio Lower Upper

162 100

164 65.1 45.9 85.9

98 46.7 26.3 66.3



#30

1,2,4-Trichlorobenzene

Concen: 7.818 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

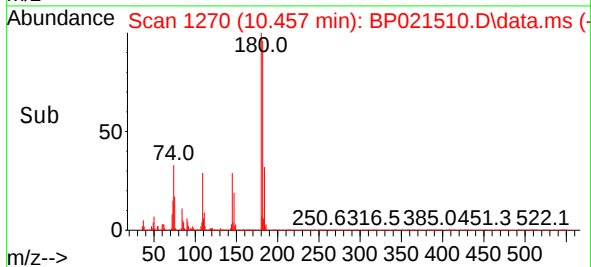
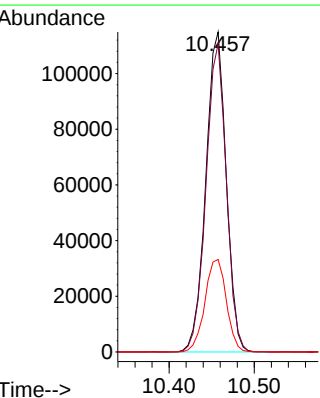
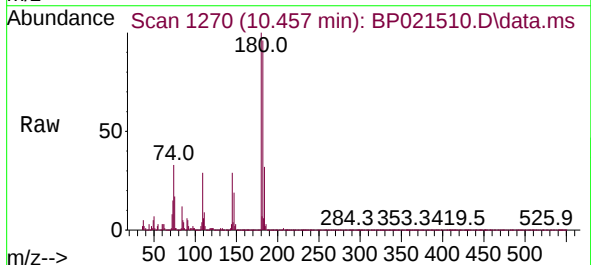
Tgt Ion:180 Resp: 191464

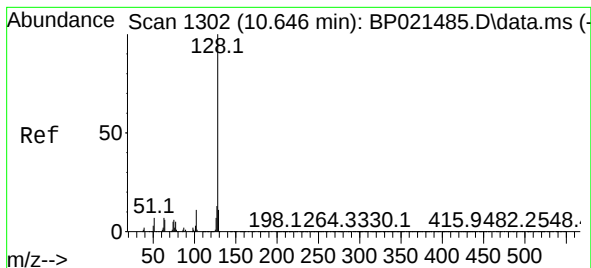
Ion Ratio Lower Upper

180 100

182 96.3 78.3 117.5

145 28.9 24.0 36.0





#31

Naphthalene

Concen: 8.181 ng

RT: 10.640 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

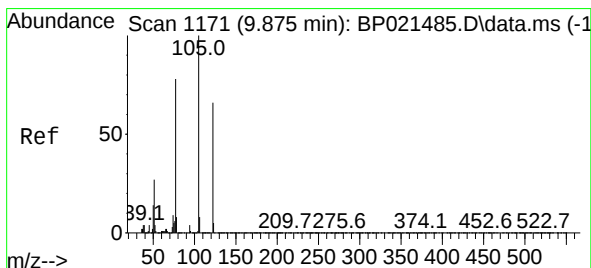
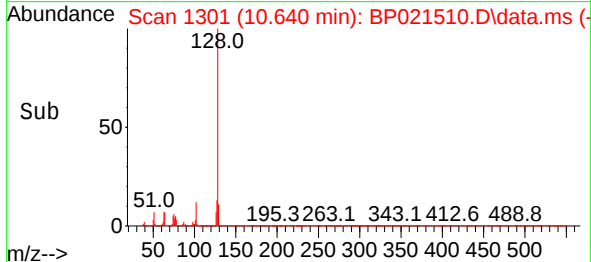
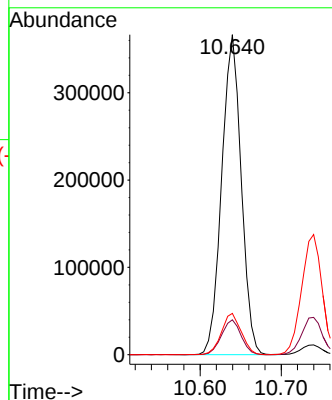
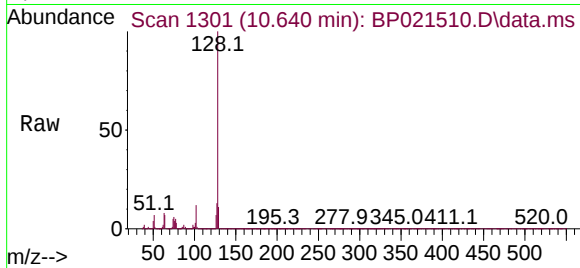
Tgt Ion:128 Resp: 611705

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 12.9 10.6 15.8



#32

Benzoic acid

Concen: 8.761 ng

RT: 9.805 min Scan# 1159

Delta R.T. -0.070 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

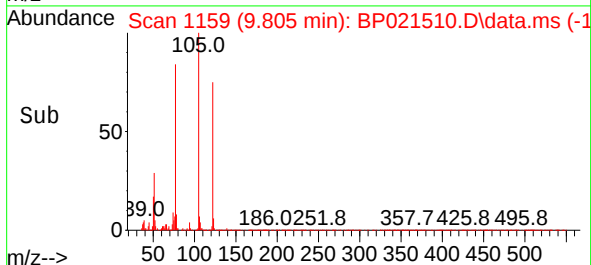
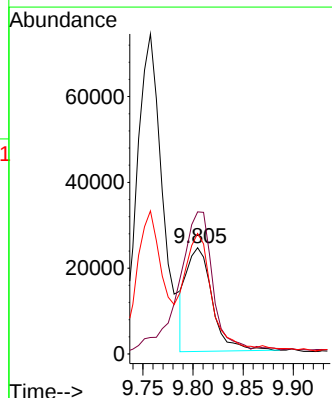
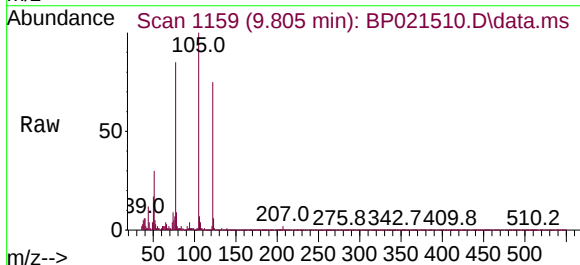
Tgt Ion:122 Resp: 43308

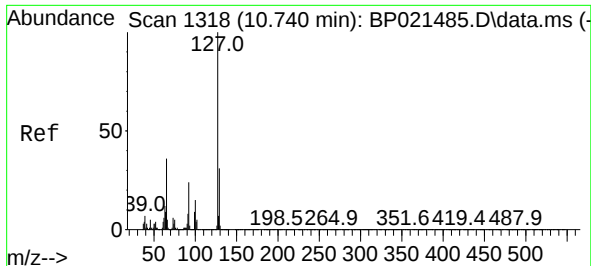
Ion Ratio Lower Upper

122 100

105 133.8 124.6 164.6

77 113.4 96.2 136.2

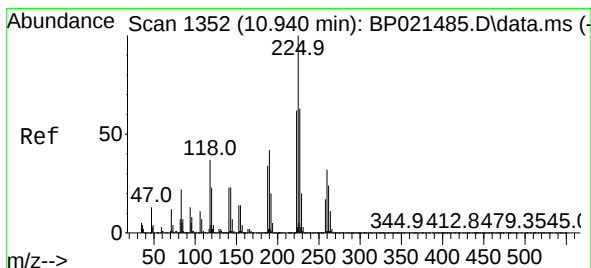
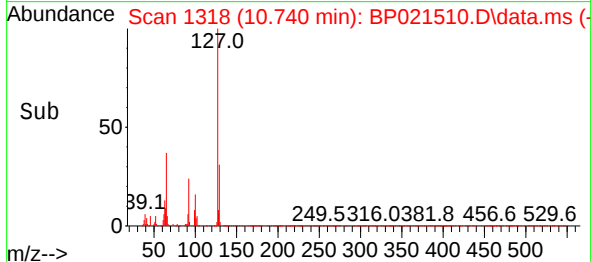
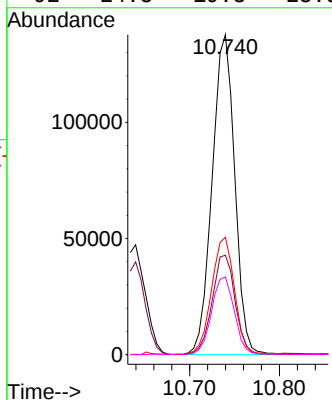
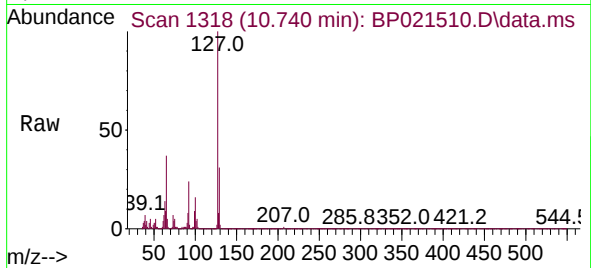




#33
4-Chloroaniline
Concen: 8.571 ng
RT: 10.740 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

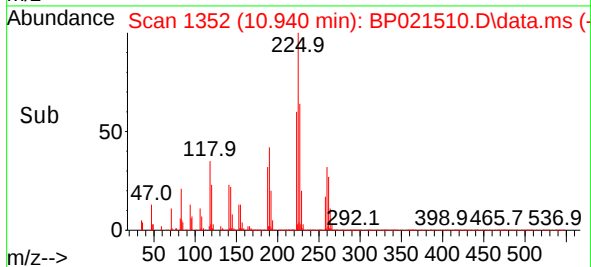
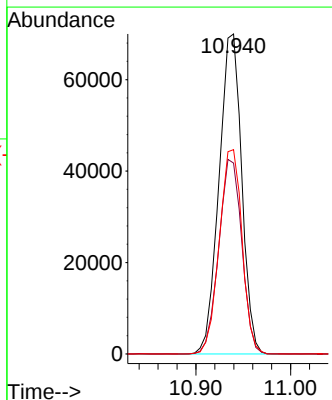
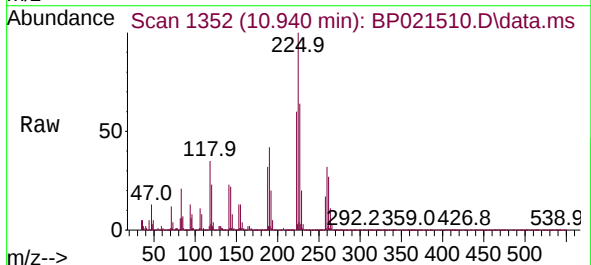
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

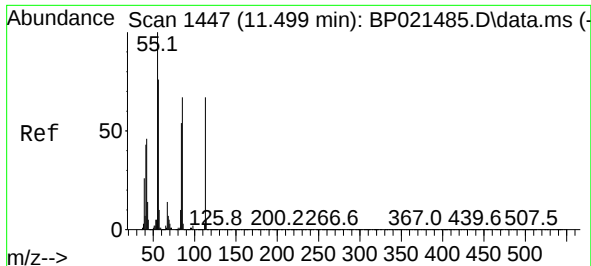
Tgt Ion:	127	Resp:	240729
Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.5	36.7
65	36.7	28.9	43.3
92	24.3	19.3	28.9



#34
Hexachlorobutadiene
Concen: 7.555 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:	225	Resp:	116502
Ion	Ratio	Lower	Upper
225	100		
223	59.7	49.6	74.4
227	63.8	50.1	75.1





#35

Caprolactam

Concen: 7.004 ng

RT: 11.475 min Scan# 1447

Delta R.T. -0.024 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

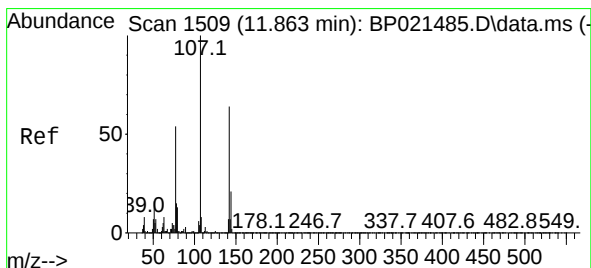
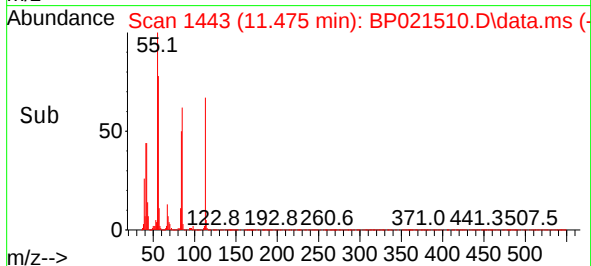
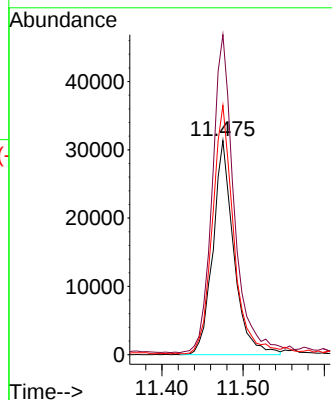
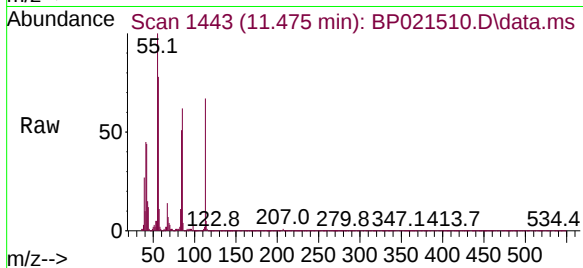
Tgt Ion:113 Resp: 55686

Ion Ratio Lower Upper

113 100

55 149.4 130.6 170.6

56 116.4 94.6 134.6



#36

4-Chloro-3-methylphenol

Concen: 7.397 ng

RT: 11.851 min Scan# 1507

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

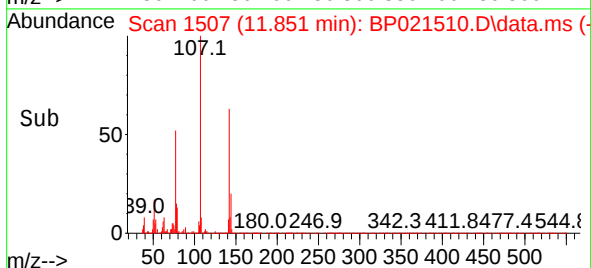
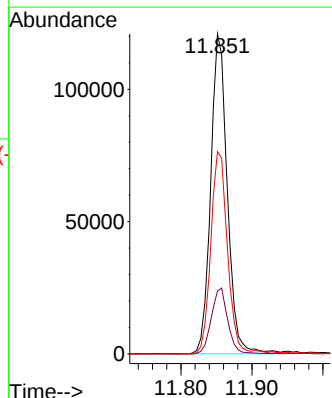
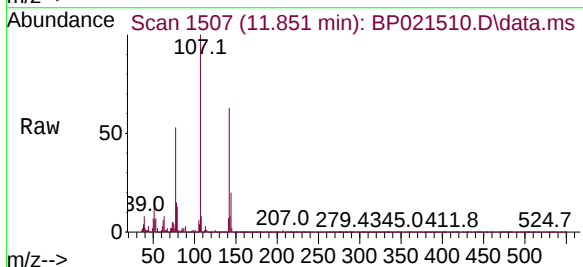
Tgt Ion:107 Resp: 195995

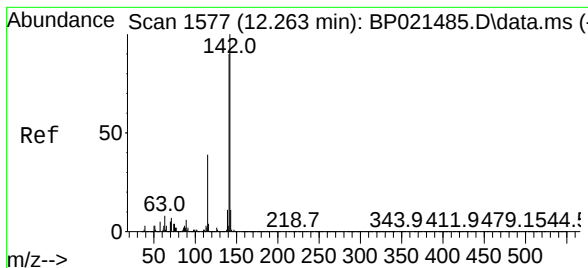
Ion Ratio Lower Upper

107 100

144 19.7 16.6 24.8

142 63.2 51.0 76.4





#37

2-Methylnaphthalene

Concen: 7.734 ng

RT: 12.251 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

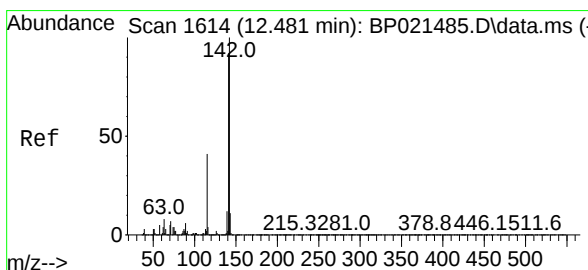
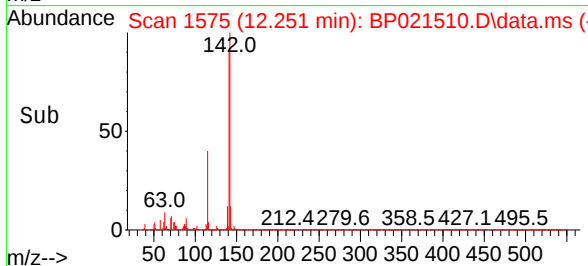
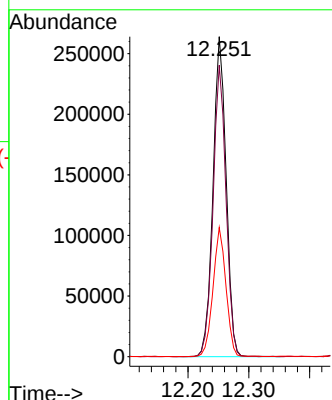
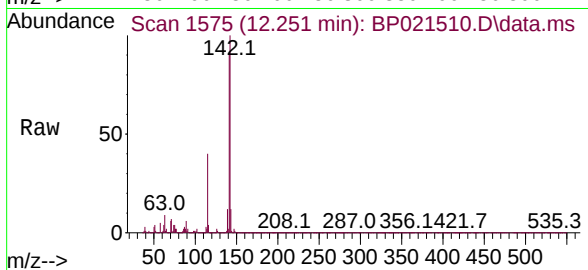
Tgt Ion:142 Resp: 394686

Ion Ratio Lower Upper

142 100

141 91.1 71.7 107.5

115 40.4 31.4 47.2



#38

1-Methylnaphthalene

Concen: 7.510 ng

RT: 12.469 min Scan# 1612

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

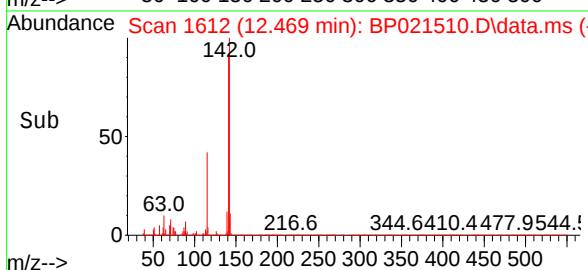
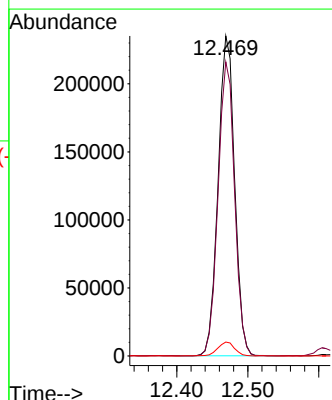
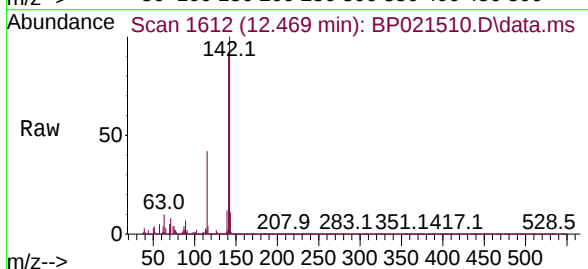
Tgt Ion:142 Resp: 378001

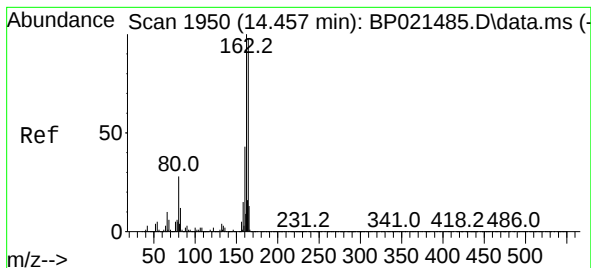
Ion Ratio Lower Upper

142 100

141 91.9 73.5 110.3

116 4.4 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.440 min Scan# 1950

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

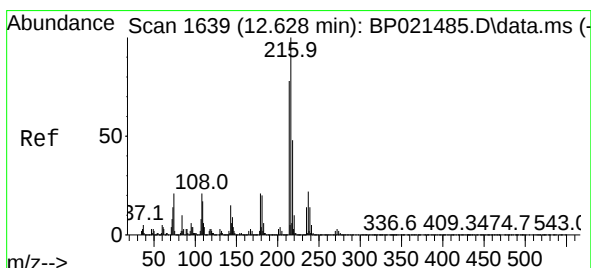
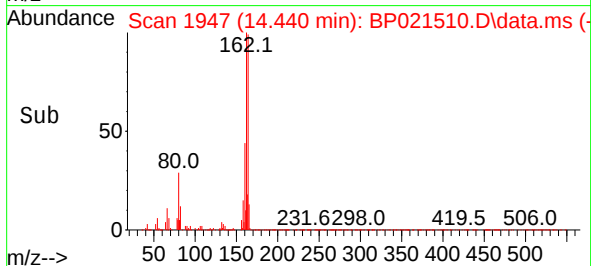
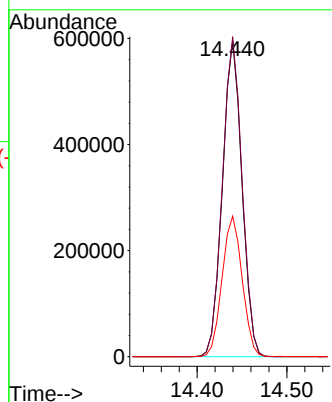
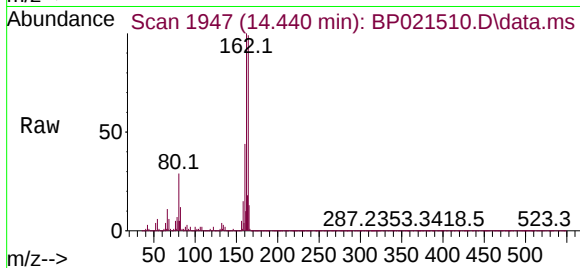
Tgt Ion:164 Resp: 899064

Ion Ratio Lower Upper

164 100

162 101.2 81.5 122.3

160 44.4 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.444 ng

RT: 12.616 min Scan# 1637

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Tgt Ion:216 Resp: 222437

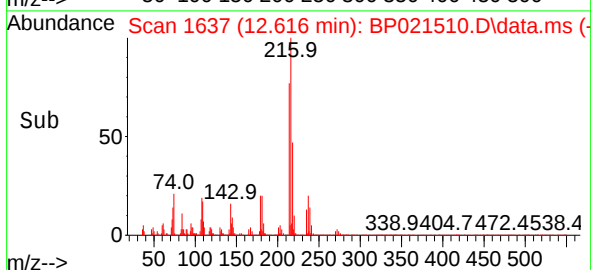
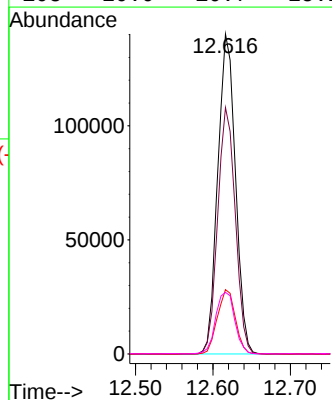
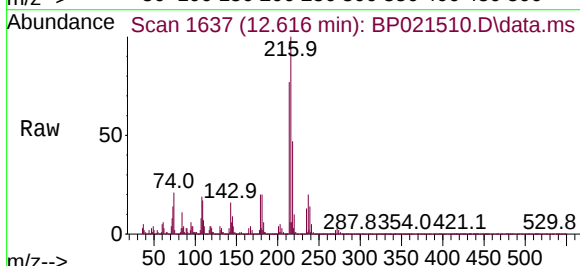
Ion Ratio Lower Upper

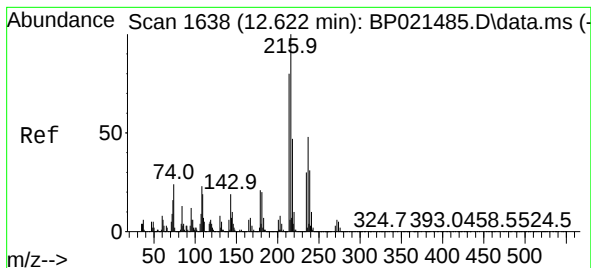
216 100

214 76.6 62.5 93.7

179 20.4 16.4 24.6

108 20.9 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 7.722 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

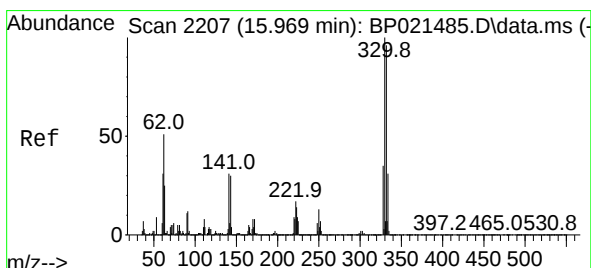
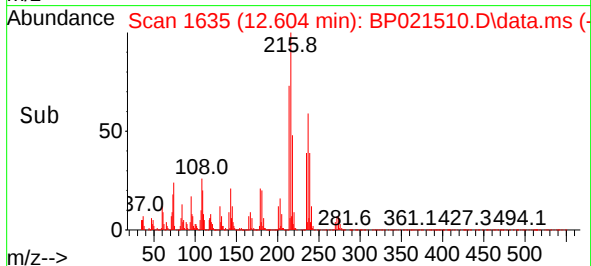
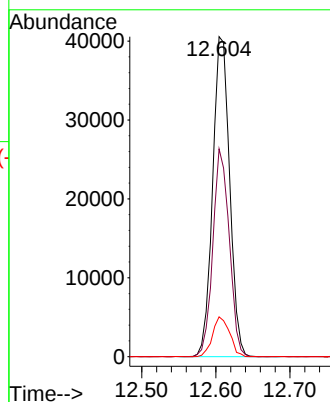
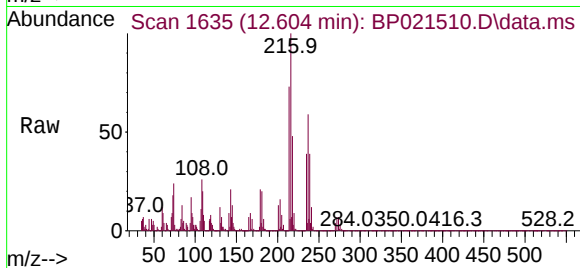
Tgt Ion:237 Resp: 64469

Ion Ratio Lower Upper

237 100

235 64.9 43.9 83.9

272 12.5 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 125.241 ng

RT: 15.945 min Scan# 2203

Delta R.T. -0.024 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

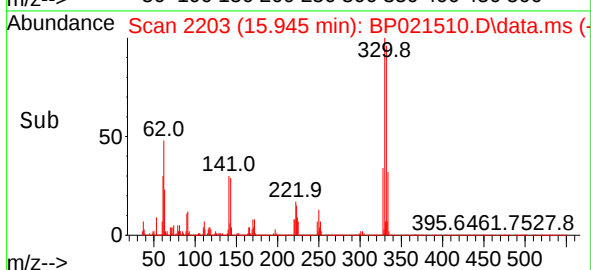
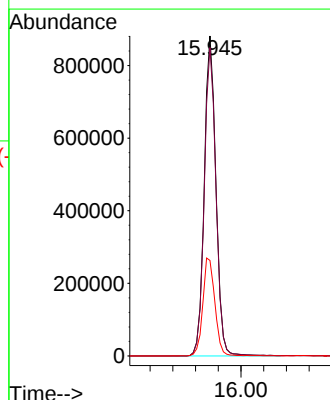
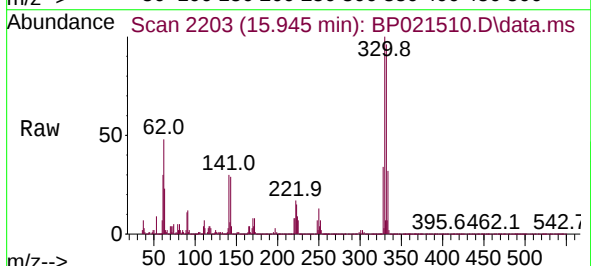
Tgt Ion:330 Resp: 1253189

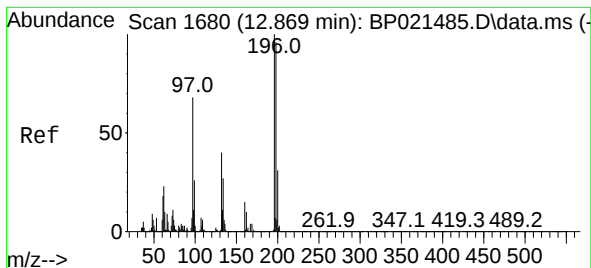
Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 31.9 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 7.316 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

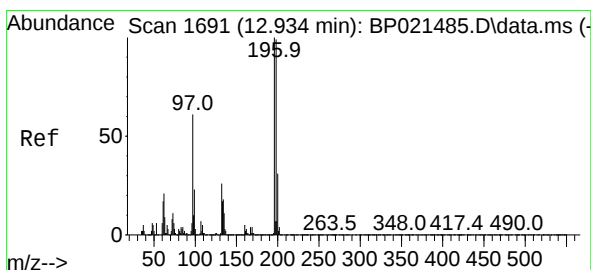
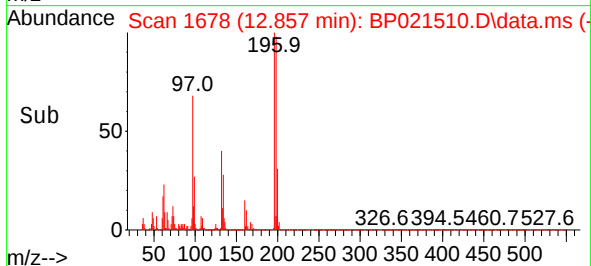
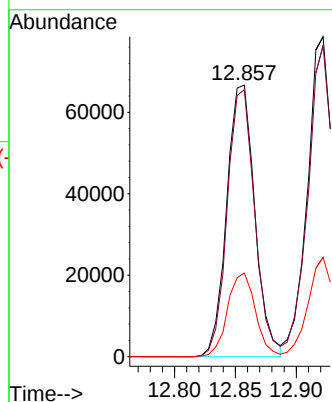
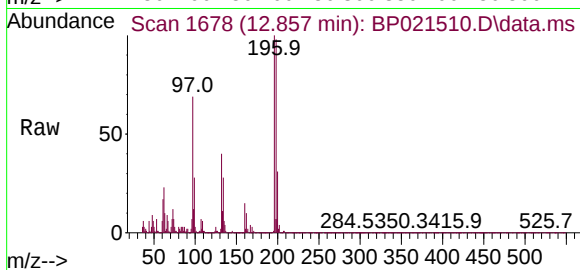
Tgt Ion:196 Resp: 107051

Ion Ratio Lower Upper

196 100

198 98.3 76.6 114.8

200 30.8 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 7.685 ng

RT: 12.922 min Scan# 1689

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Tgt Ion:196 Resp: 124943

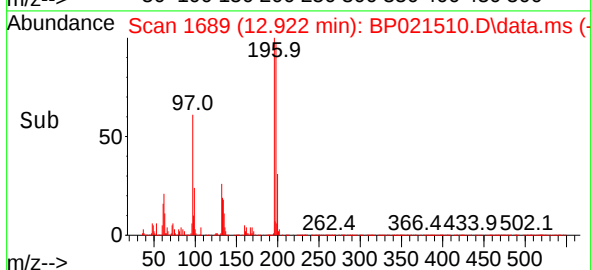
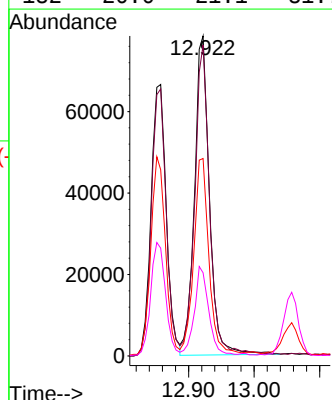
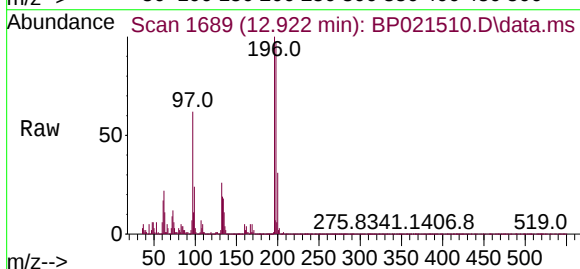
Ion Ratio Lower Upper

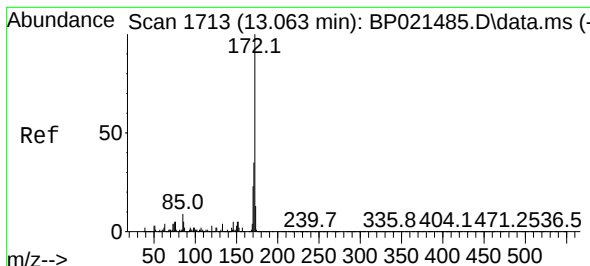
196 100

198 97.2 78.9 118.3

97 61.7 49.4 74.0

132 26.0 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 89.614 ng

RT: 13.057 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

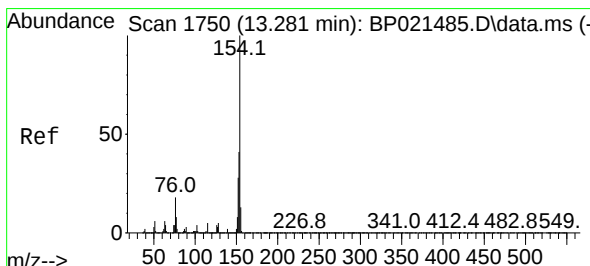
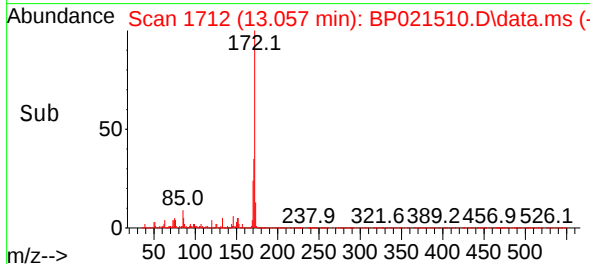
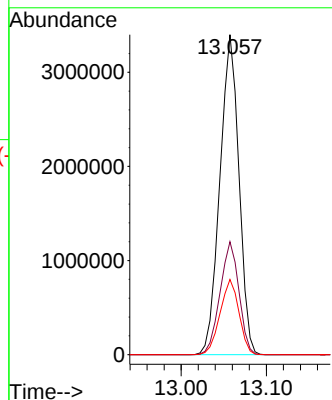
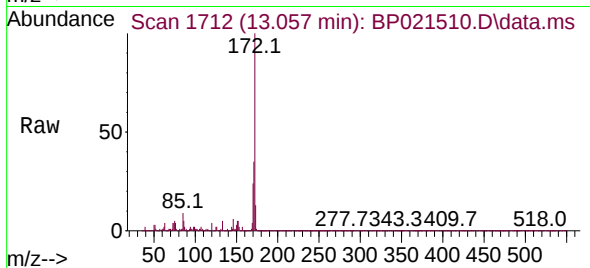
Tgt Ion:172 Resp: 5279194

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.5 18.4 27.6



#46

1,1'-Biphenyl

Concen: 8.337 ng

RT: 13.263 min Scan# 1747

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

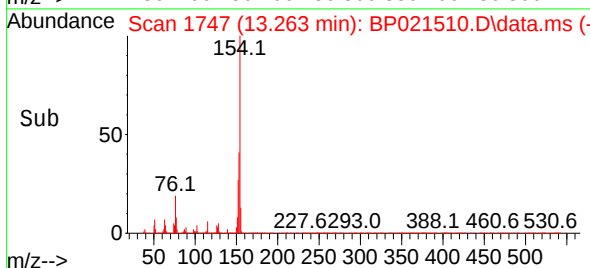
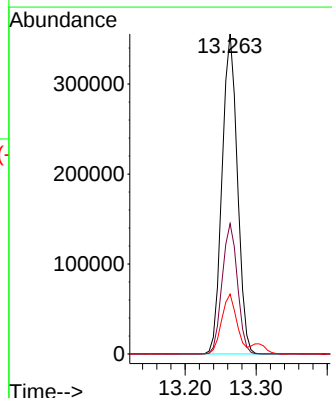
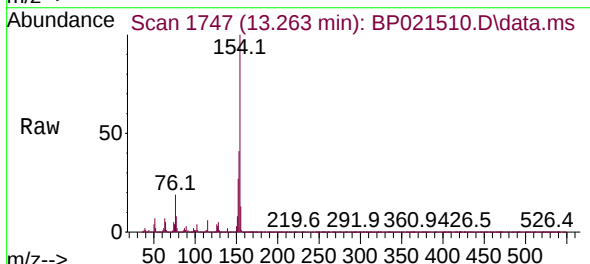
Tgt Ion:154 Resp: 530288

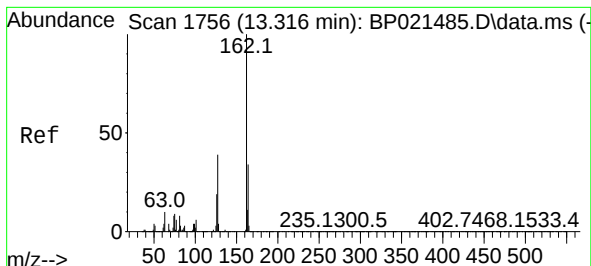
Ion Ratio Lower Upper

154 100

153 40.8 20.7 60.7

76 18.7 0.0 37.7





#47

2-Chloronaphthalene

Concen: 8.263 ng

RT: 13.304 min Scan# 1756

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

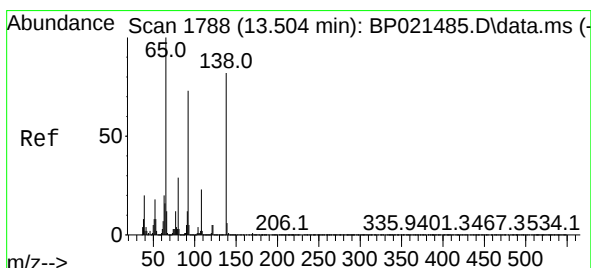
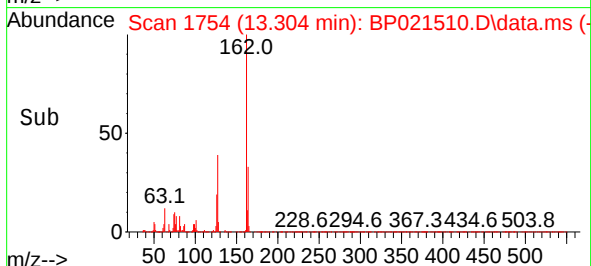
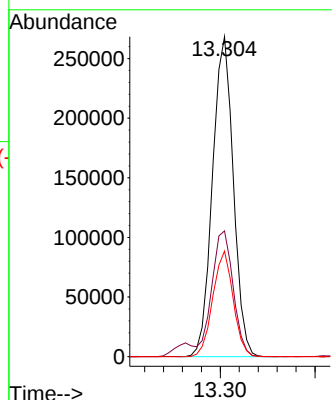
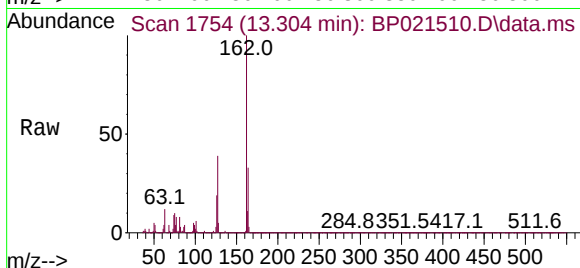
Tgt Ion:162 Resp: 409192

Ion Ratio Lower Upper

162 100

127 39.3 31.9 47.9

164 33.0 26.8 40.2



#48

2-Nitroaniline

Concen: 10.942 ng

RT: 13.498 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

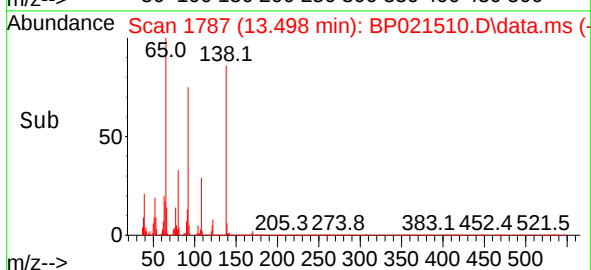
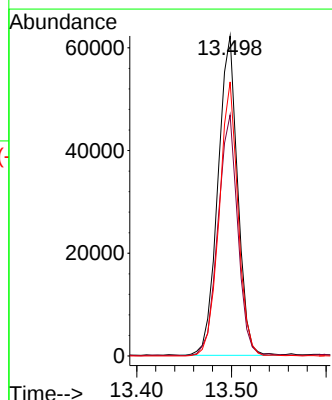
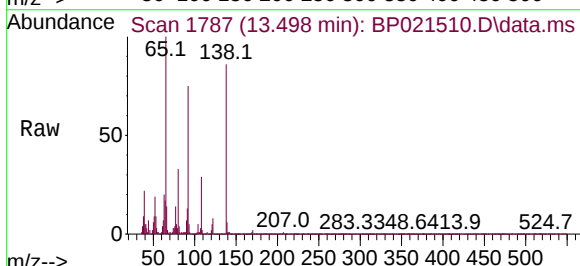
Tgt Ion: 65 Resp: 90094

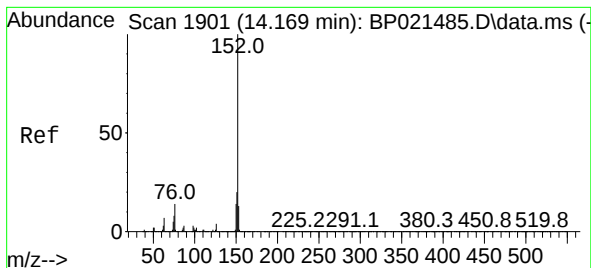
Ion Ratio Lower Upper

65 100

92 75.3 58.1 87.1

138 85.6 65.5 98.3





#49

Acenaphthylene

Concen: 8.868 ng

RT: 14.157 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

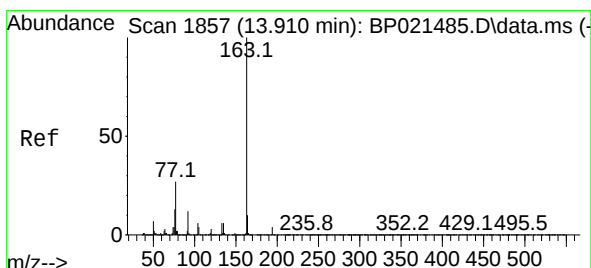
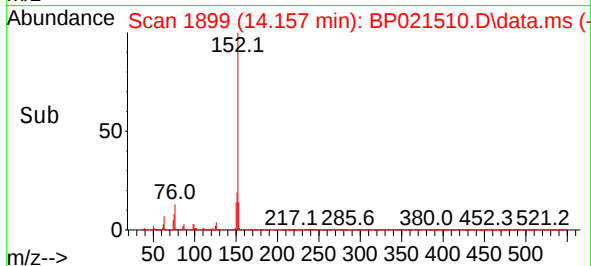
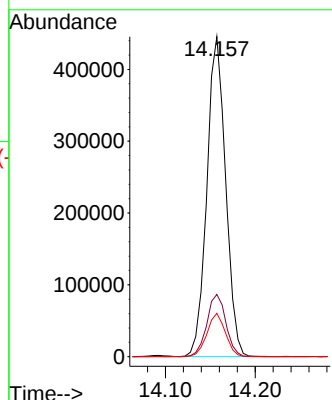
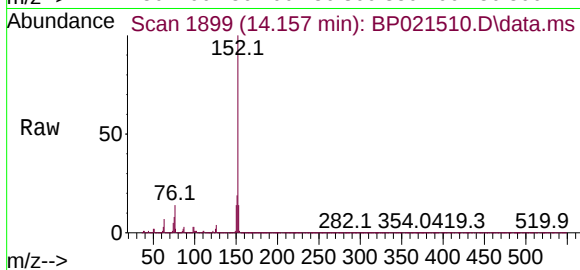
Tgt Ion:152 Resp: 645598

Ion Ratio Lower Upper

152 100

151 19.4 15.9 23.9

153 13.5 10.6 16.0



#50

Dimethylphthalate

Concen: 8.049 ng

RT: 13.893 min Scan# 1854

Delta R.T. -0.017 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

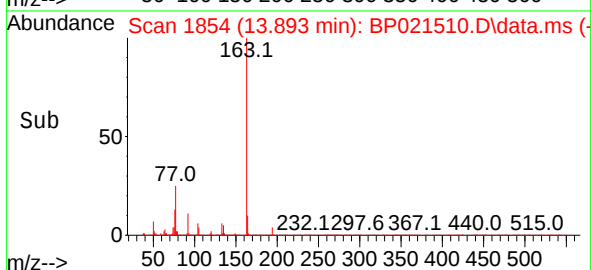
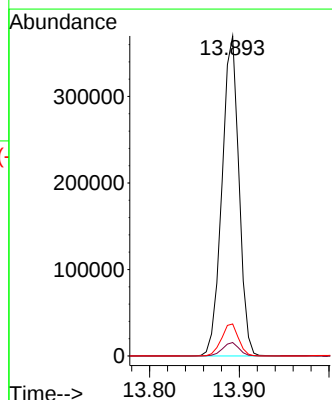
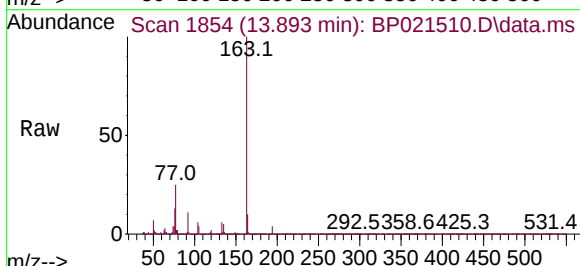
Tgt Ion:163 Resp: 484634

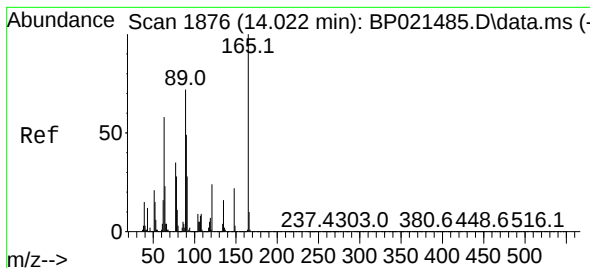
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 9.776 ng

RT: 13.998 min Scan# 1

Delta R.T. -0.024 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

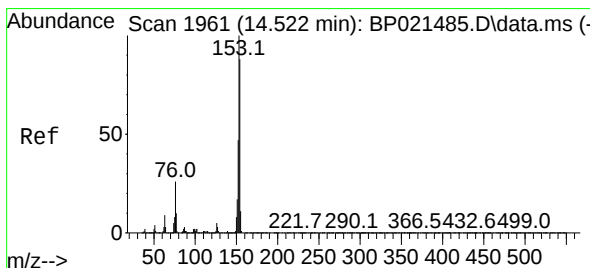
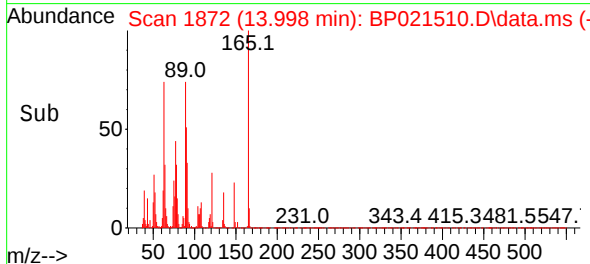
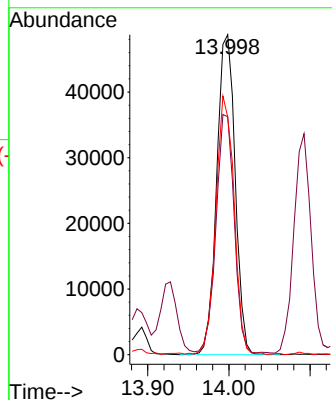
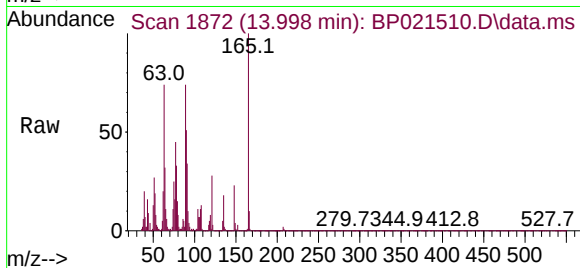
Tgt Ion:165 Resp: 76709

Ion Ratio Lower Upper

165 100

63 74.4 51.5 77.3

89 74.2 57.8 86.8



#52

Acenaphthene

Concen: 8.103 ng

RT: 14.498 min Scan# 1957

Delta R.T. -0.024 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

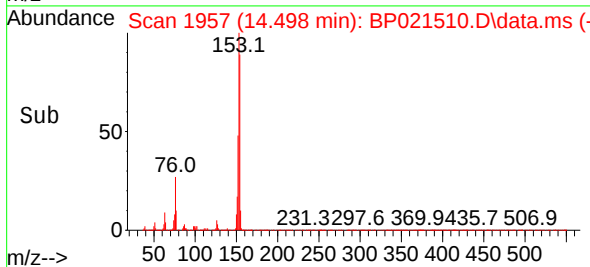
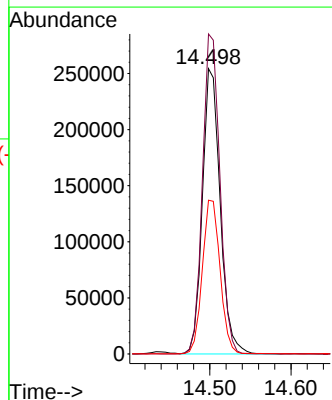
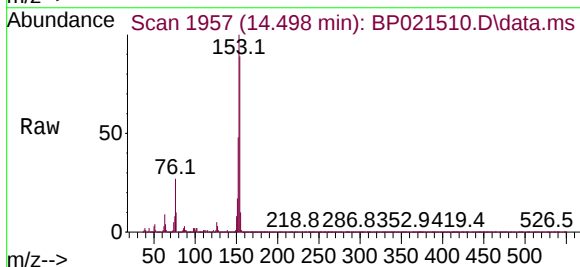
Tgt Ion:154 Resp: 387039

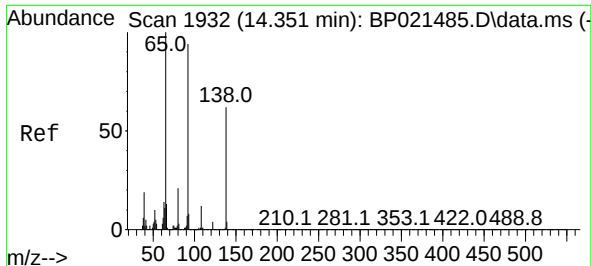
Ion Ratio Lower Upper

154 100

153 112.2 91.1 136.7

152 53.9 43.0 64.4





#53

3-Nitroaniline

Concen: 10.280 ng

RT: 14.322 min Scan# 1927

Delta R.T. -0.029 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

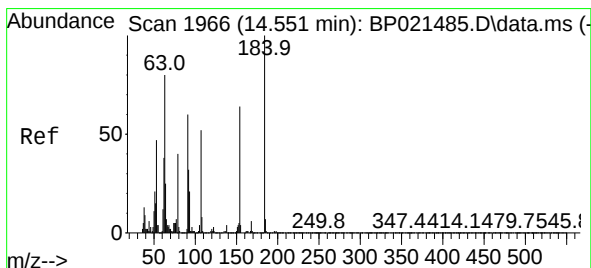
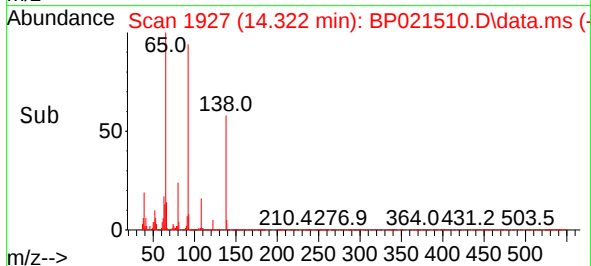
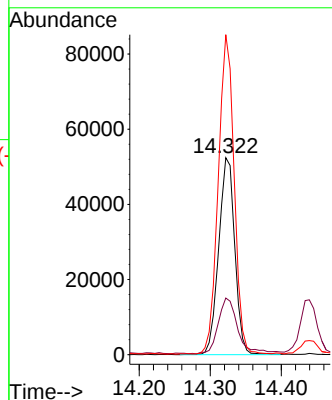
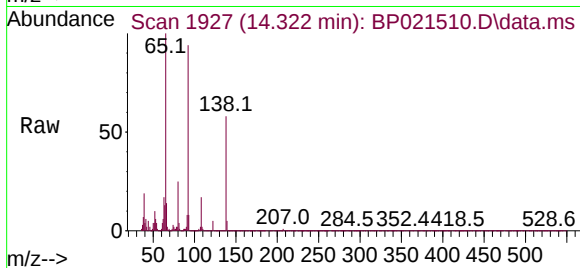
Tgt Ion:138 Resp: 82155

Ion Ratio Lower Upper

138 100

108 28.7 16.2 24.4#

92 162.5 122.2 183.4



#54

2,4-Dinitrophenol

Concen: 9.891 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.023 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

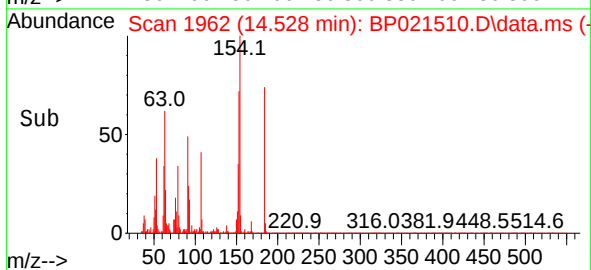
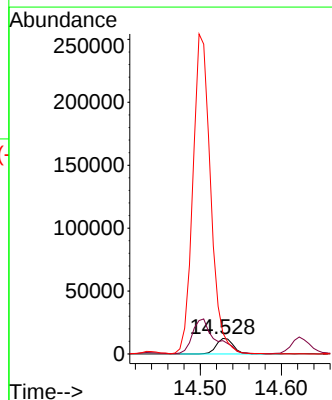
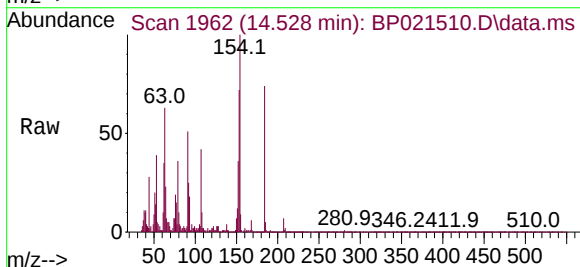
Tgt Ion:184 Resp: 18101

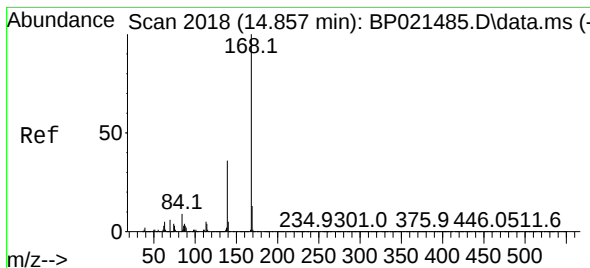
Ion Ratio Lower Upper

184 100

63 85.8 64.9 97.3

154 135.4 52.1 78.1#





#55

Dibenzofuran

Concen: 8.474 ng

RT: 14.840 min Scan# 2018

Delta R.T. -0.017 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

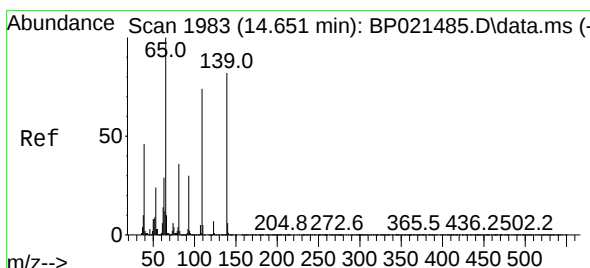
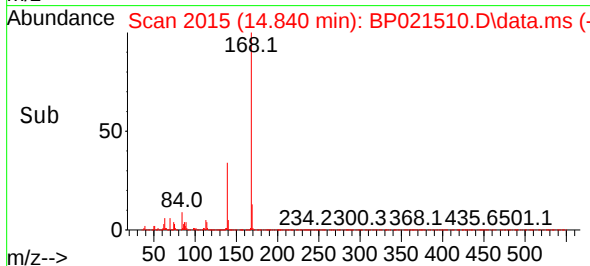
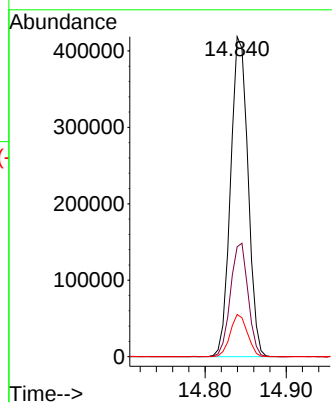
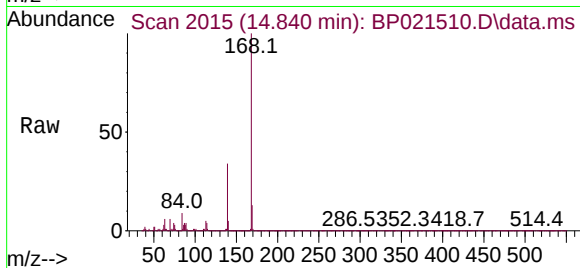
Tgt Ion:168 Resp: 622663

Ion Ratio Lower Upper

168 100

139 34.3 28.6 43.0

169 13.2 10.6 16.0



#56

4-Nitrophenol

Concen: 10.435 ng

RT: 14.622 min Scan# 1978

Delta R.T. -0.029 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

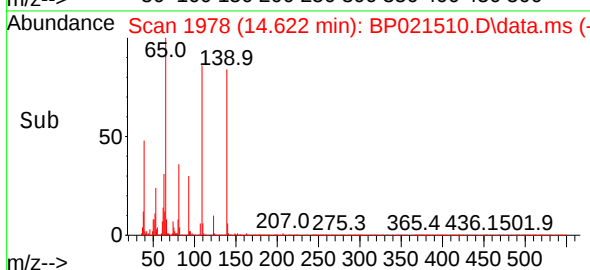
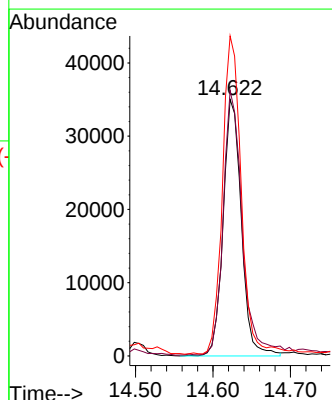
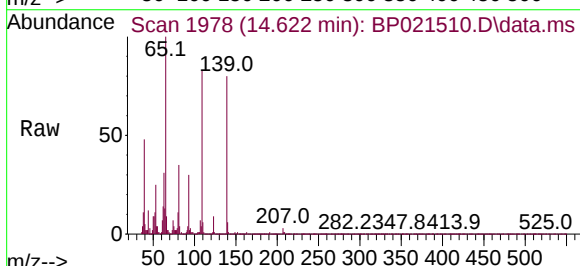
Tgt Ion:139 Resp: 57115

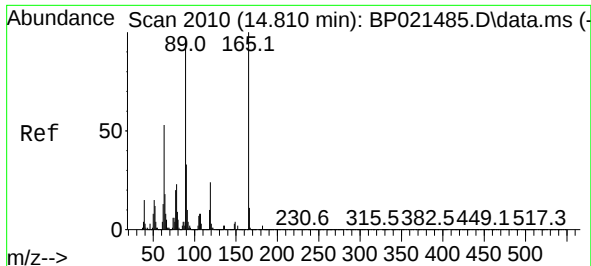
Ion Ratio Lower Upper

139 100

109 103.5 70.2 110.2

65 124.8 101.8 141.8

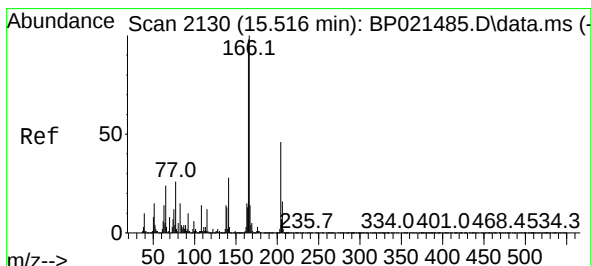
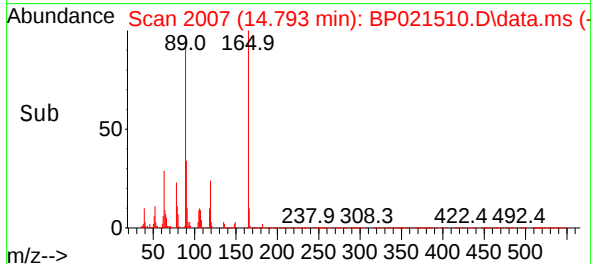
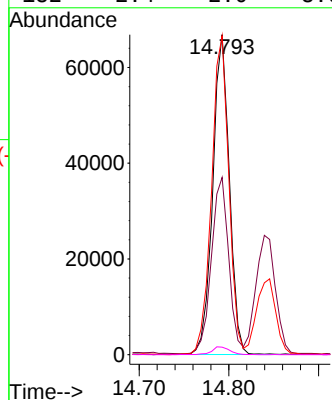
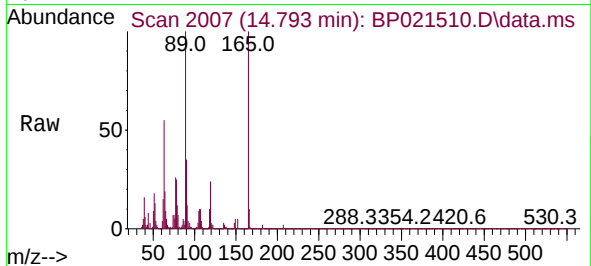




#57
2,4-Dinitrotoluene
Concen: 10.012 ng
RT: 14.793 min Scan# 2010
Delta R.T. -0.017 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

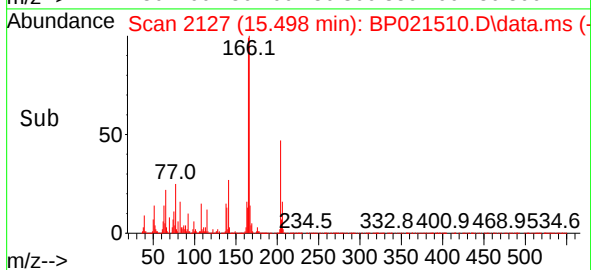
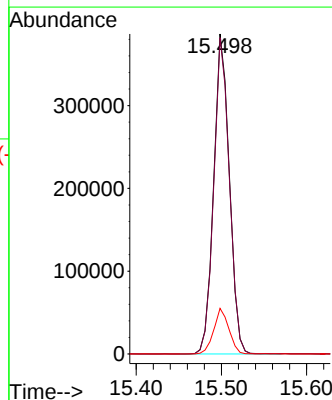
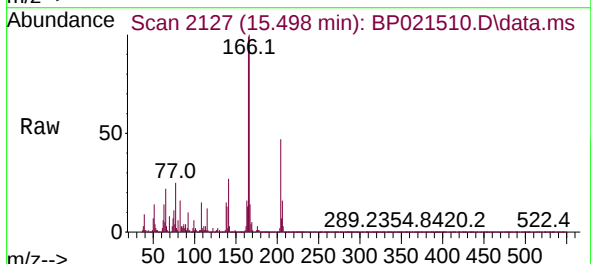
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

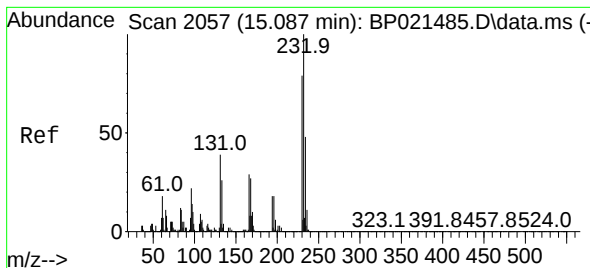
Tgt Ion:165 Resp: 86096
Ion Ratio Lower Upper
165 100
63 55.4 42.5 63.7
89 99.6 77.1 115.7
182 2.4 2.0 3.0



#58
Fluorene
Concen: 8.167 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.018 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:166 Resp: 493034
Ion Ratio Lower Upper
166 100
165 98.8 78.1 117.1
167 14.3 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.498 ng

RT: 15.069 min Scan# 2054

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

Tgt Ion:232 Resp: 103470

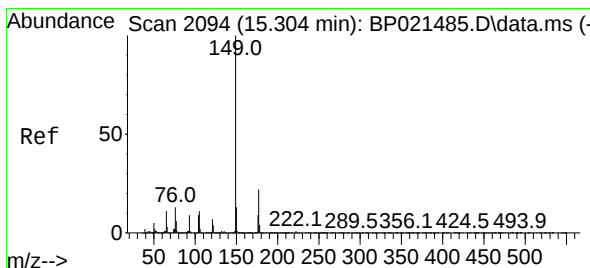
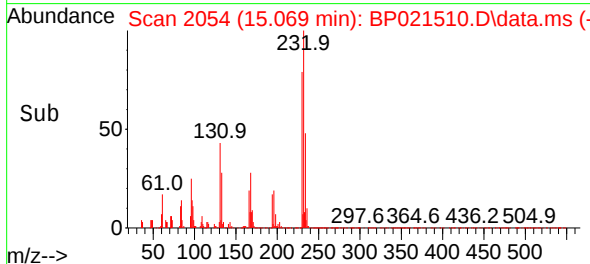
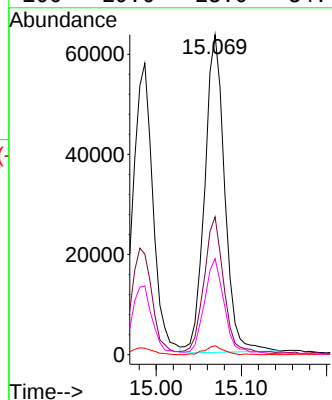
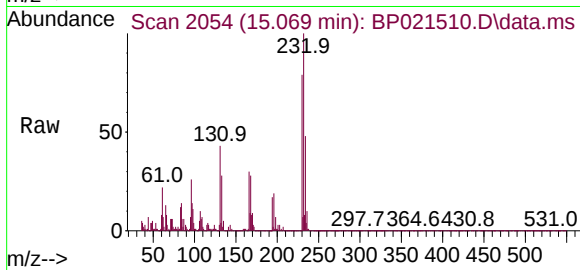
Ion Ratio Lower Upper

232 100

131 43.4 33.1 49.7

130 2.6 1.7 2.5#

166 29.6 23.0 34.4



#60

Diethylphthalate

Concen: 7.523 ng

RT: 15.269 min Scan# 2088

Delta R.T. -0.035 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

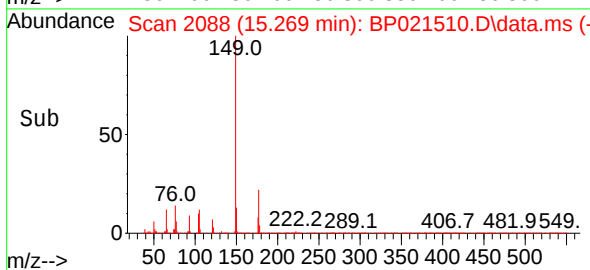
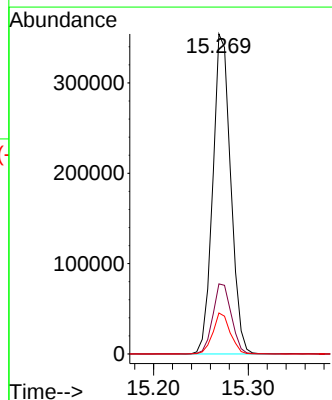
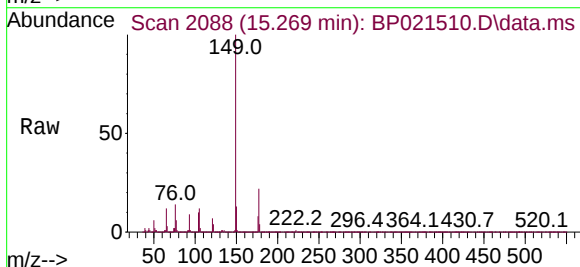
Tgt Ion:149 Resp: 464770

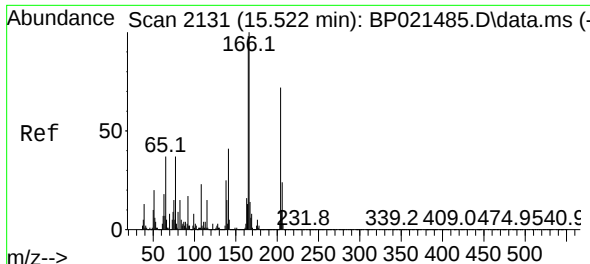
Ion Ratio Lower Upper

149 100

177 21.9 17.8 26.8

150 12.8 10.1 15.1

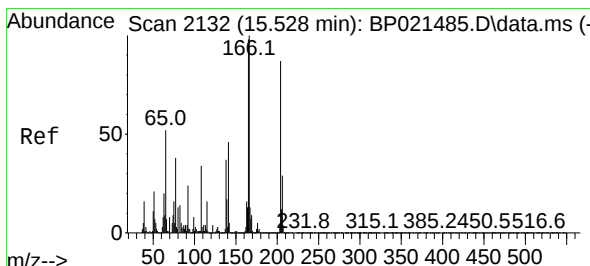
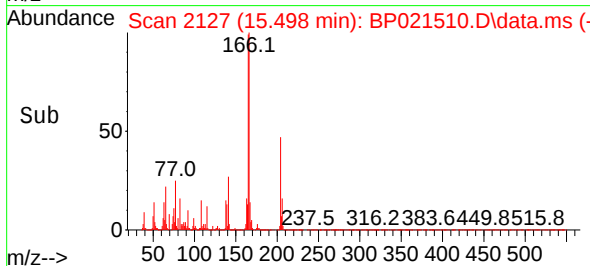
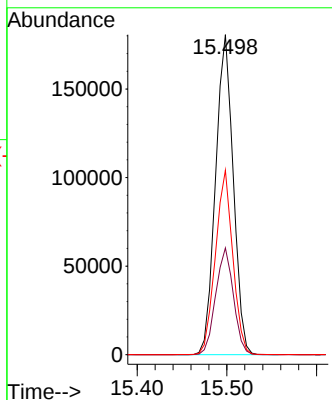
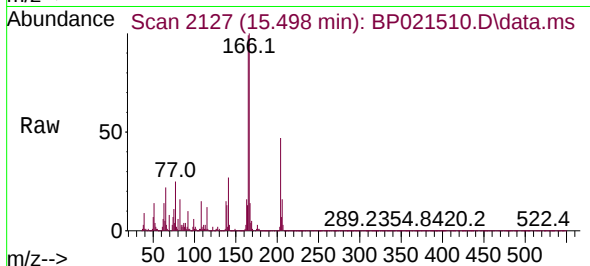




#61
4-Chlorophenyl-phenylether
Concen: 7.929 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.024 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

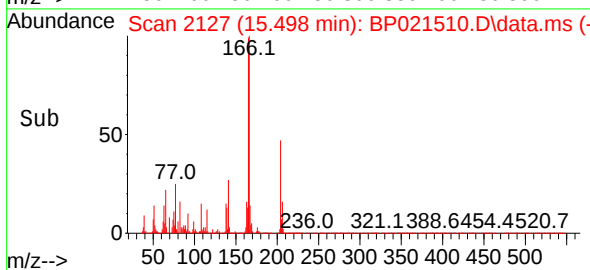
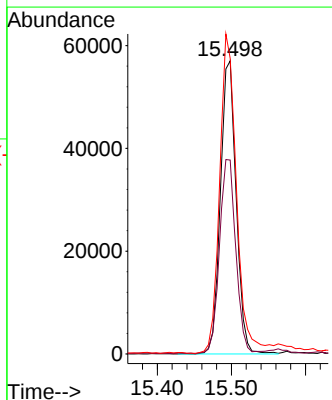
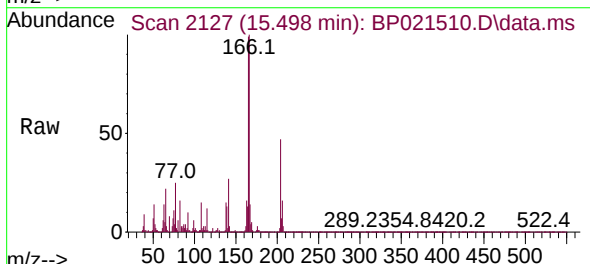
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

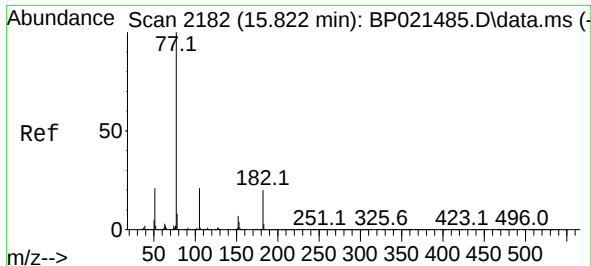
Tgt Ion:204 Resp: 247426
Ion Ratio Lower Upper
204 100
206 33.4 26.4 39.6
141 57.6 46.1 69.1



#62
4-Nitroaniline
Concen: 9.369 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.030 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:138 Resp: 84117
Ion Ratio Lower Upper
138 100
92 66.2 46.4 86.4
108 100.8 73.2 113.2

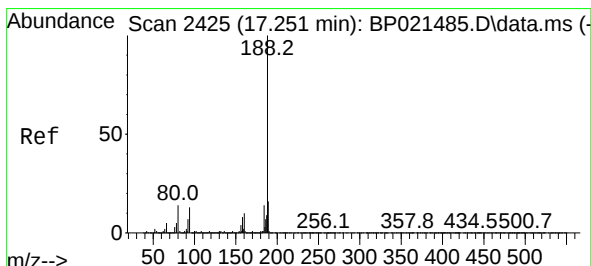
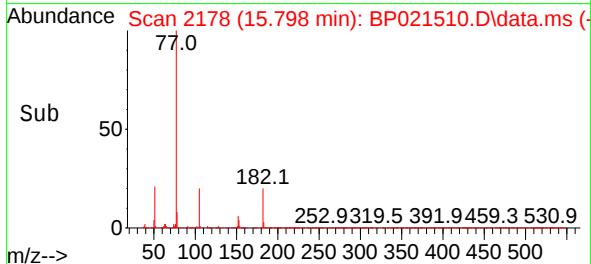
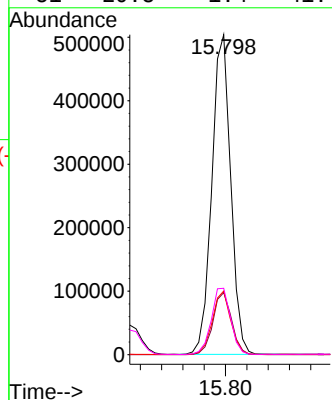
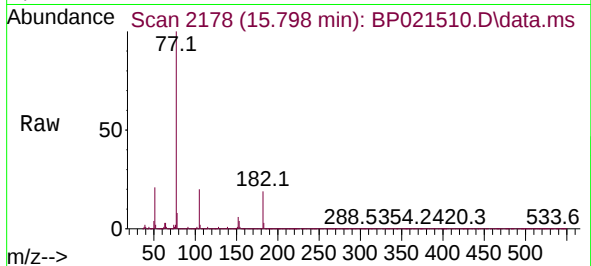




#63
Azobenzene
Concen: 8.157 ng
RT: 15.798 min Scan# 2182
Delta R.T. -0.024 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

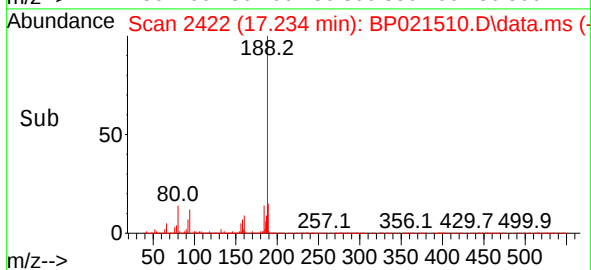
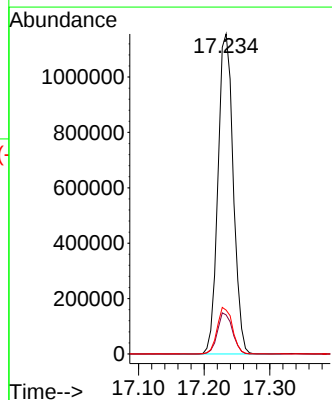
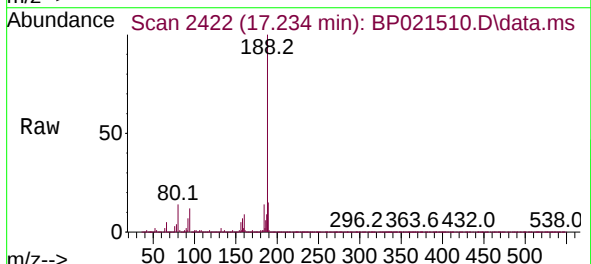
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

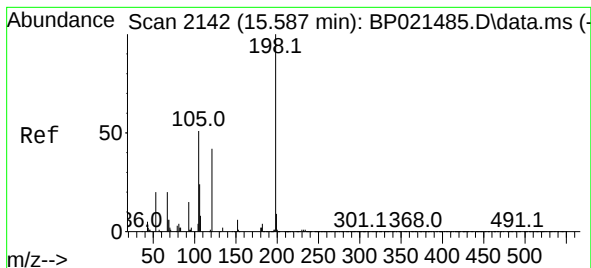
Tgt Ion:	77	Resp:	619463
Ion	Ratio	Lower	Upper
77	100		
182	19.4	0.0	39.9
105	19.9	0.9	40.9
51	20.8	1.4	41.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.018 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:	188	Resp:	1859893
Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	13.7	11.6	17.4

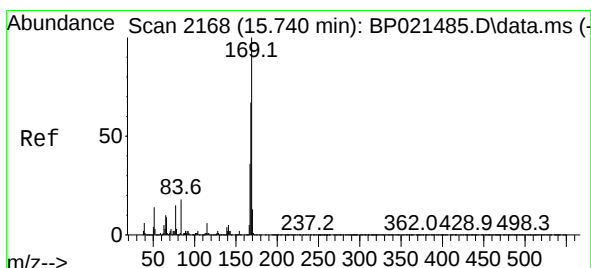
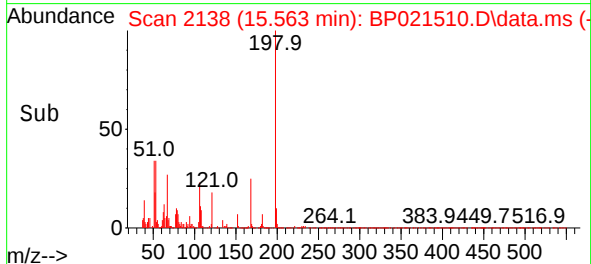
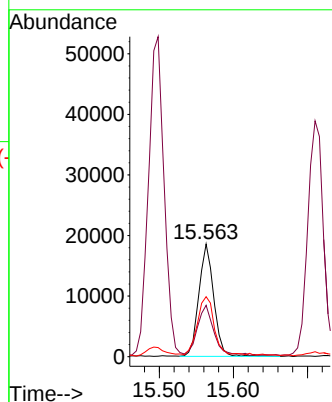
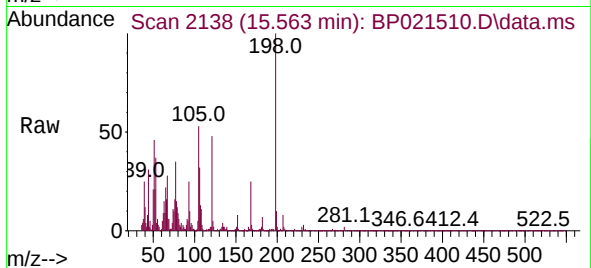




#65
4,6-Dinitro-2-methylphenol
Concen: 10.310 ng
RT: 15.563 min Scan# 2142
Delta R.T. -0.024 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

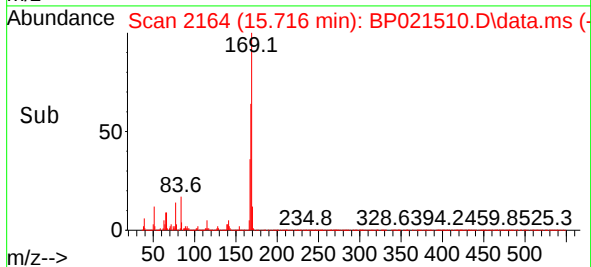
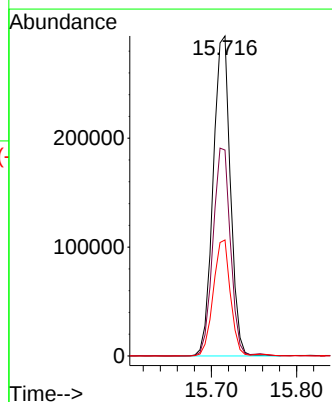
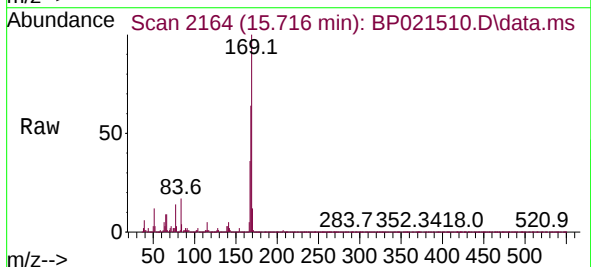
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

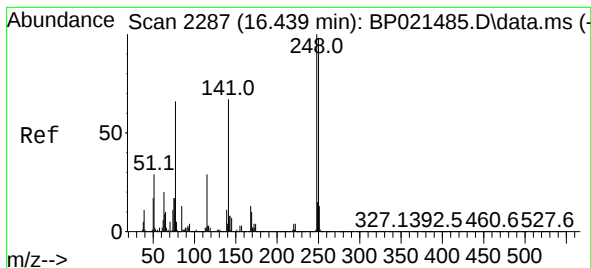
Tgt Ion:198 Resp: 25868
Ion Ratio Lower Upper
198 100
51 45.6 21.5 61.5
105 53.3 32.9 72.9



#66
n-Nitrosodiphenylamine
Concen: 8.292 ng
RT: 15.716 min Scan# 2164
Delta R.T. -0.024 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:169 Resp: 413298
Ion Ratio Lower Upper
169 100
168 64.4 53.4 80.2
167 36.2 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 6.994 ng

RT: 16.410 min Scan# 2287

Delta R.T. -0.029 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

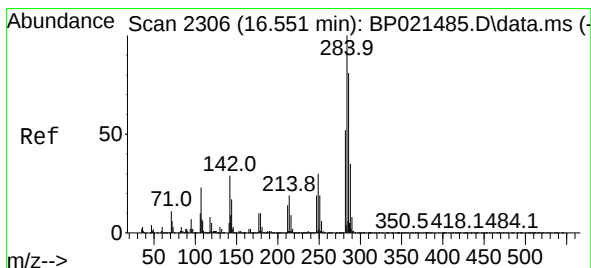
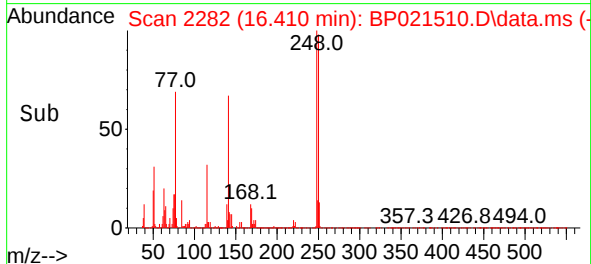
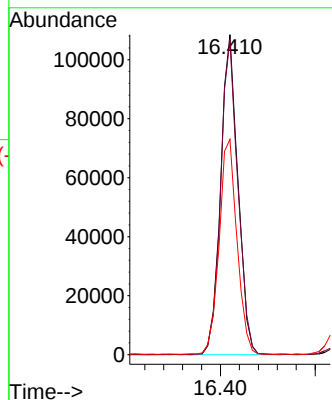
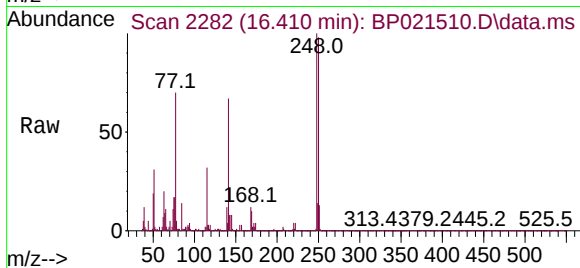
Tgt Ion:248 Resp: 137670

Ion Ratio Lower Upper

248 100

250 98.4 78.6 117.8

141 67.3 53.9 80.9



#68

Hexachlorobenzene

Concen: 7.749 ng

RT: 16.522 min Scan# 2301

Delta R.T. -0.029 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

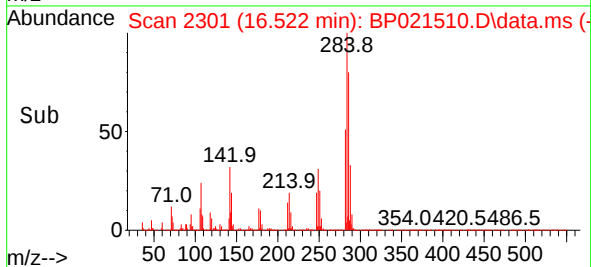
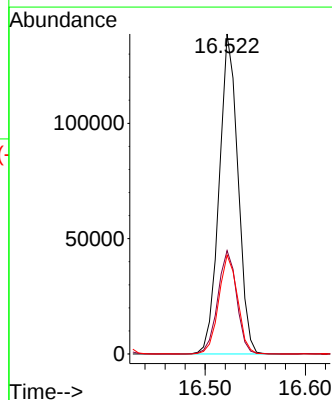
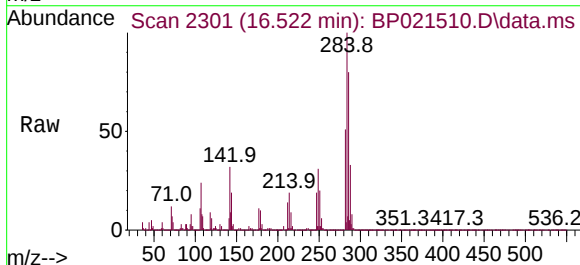
Tgt Ion:284 Resp: 180260

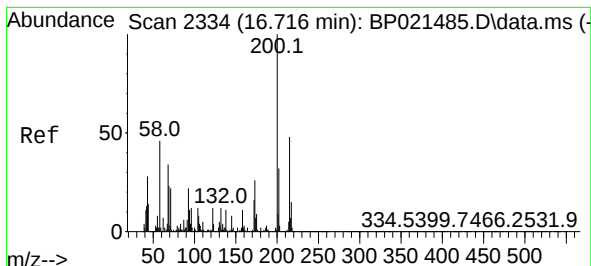
Ion Ratio Lower Upper

284 100

142 32.3 23.4 35.2

249 30.9 24.1 36.1





#69

Atrazine

Concen: 7.514 ng

RT: 16.681 min Scan# 2328

Delta R.T. -0.035 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

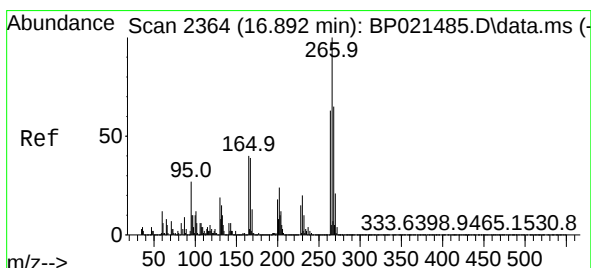
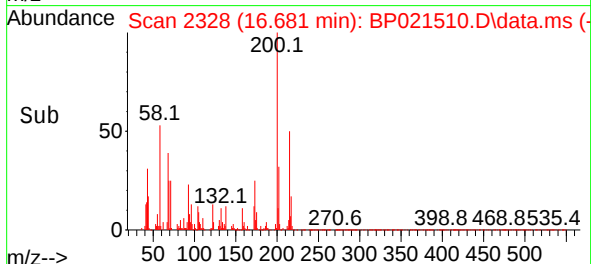
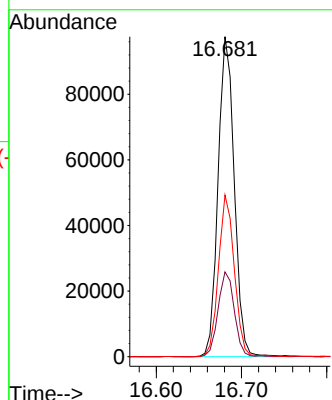
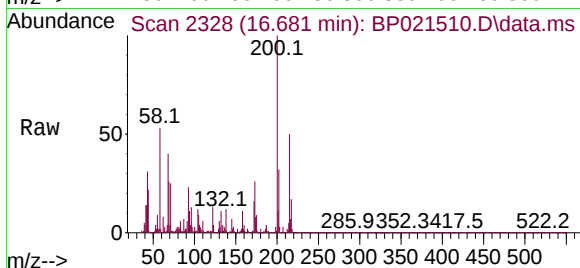
Tgt Ion:200 Resp: 128587

Ion Ratio Lower Upper

200 100

173 26.5 6.2 46.2

215 50.5 28.4 68.4



#70

Pentachlorophenol

Concen: 5.267 ng

RT: 16.869 min Scan# 2360

Delta R.T. -0.023 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

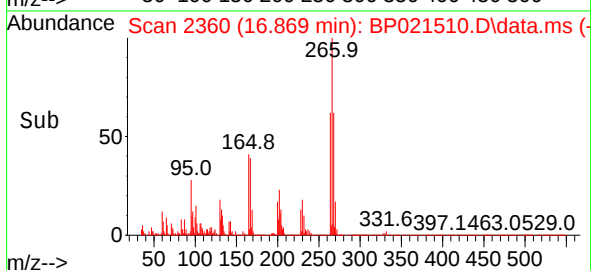
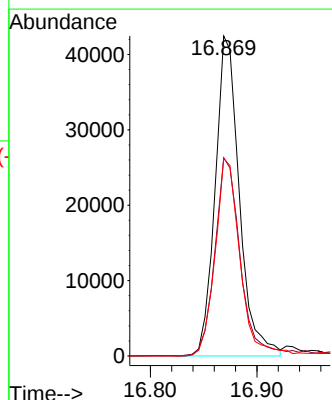
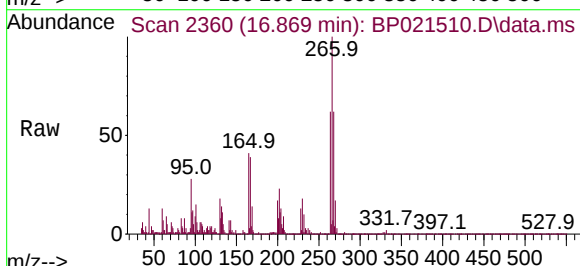
Tgt Ion:266 Resp: 66879

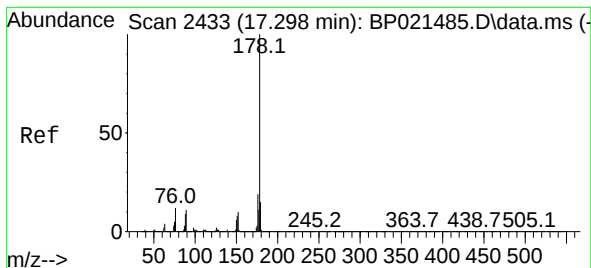
Ion Ratio Lower Upper

266 100

268 62.0 51.8 77.6

264 61.7 50.5 75.7





#71

Phenanthrene

Concen: 8.484 ng

RT: 17.281 min Scan# 2433

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

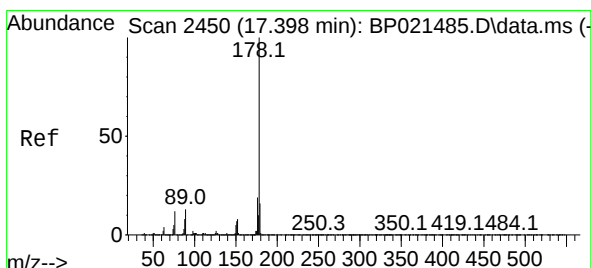
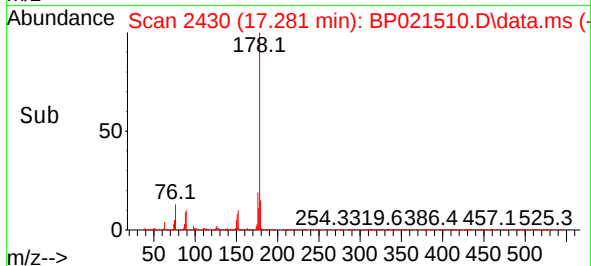
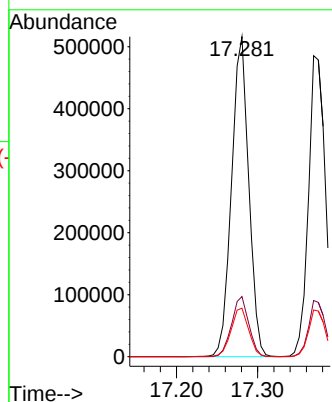
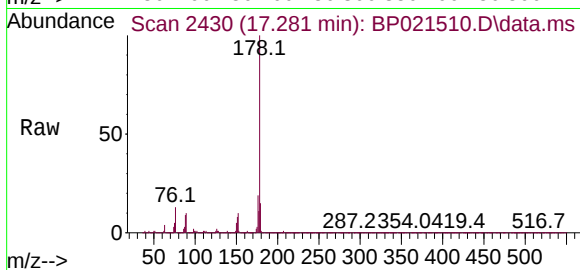
Tgt Ion:178 Resp: 758889

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.2 12.4 18.6



#72

Anthracene

Concen: 8.102 ng

RT: 17.369 min Scan# 2445

Delta R.T. -0.029 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

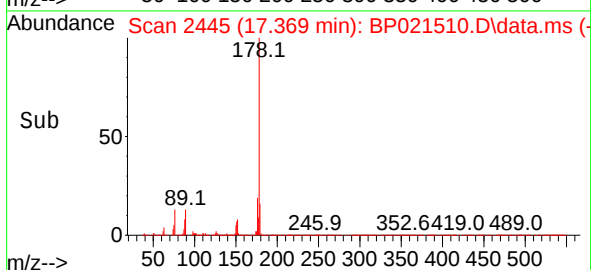
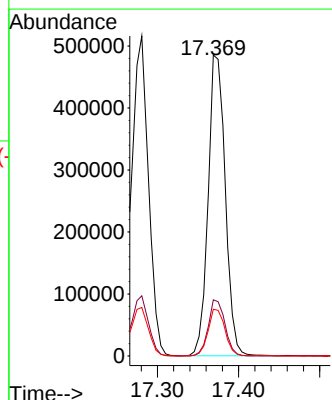
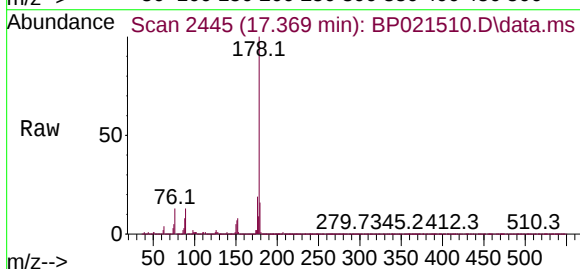
Tgt Ion:178 Resp: 710695

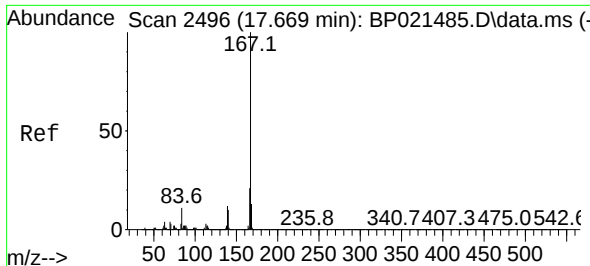
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.5 12.5 18.7

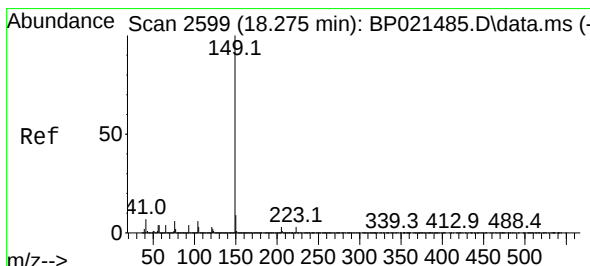
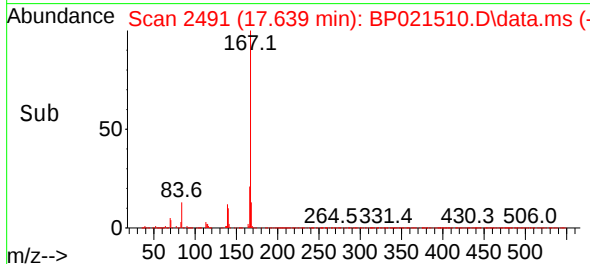
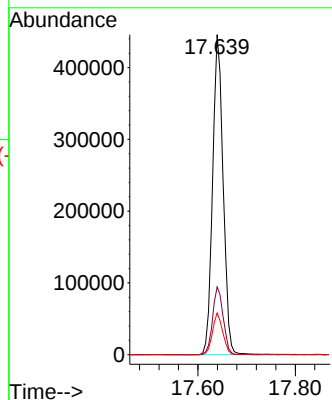
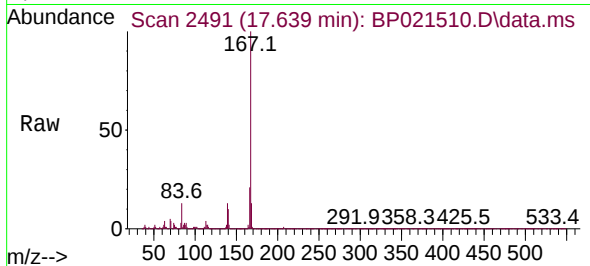




#73
 Carbazole
 Concen: 7.882 ng
 RT: 17.639 min Scan# 2491
 Delta R.T. -0.029 min
 Lab File: BP021510.D
 Acq: 15 Aug 2024 12:00

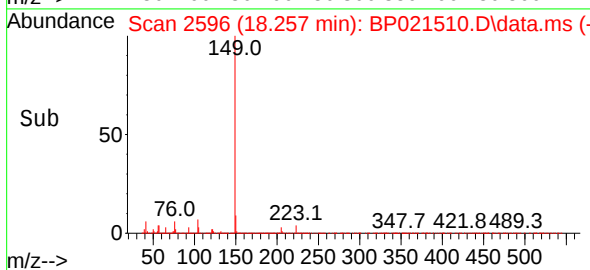
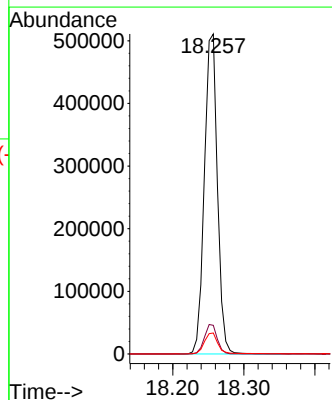
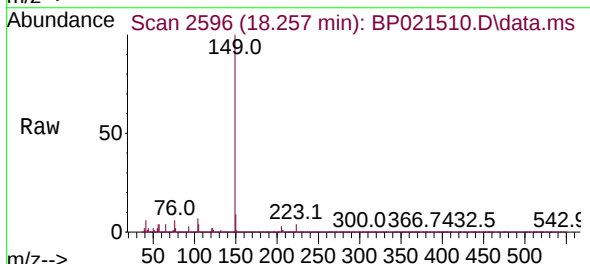
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2024

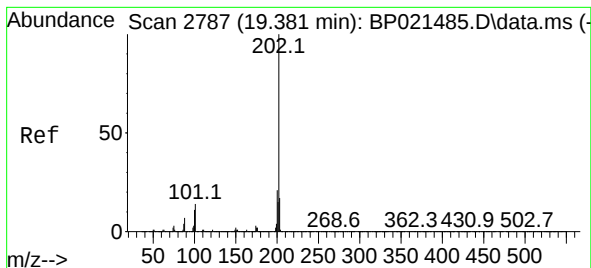
Tgt Ion:167 Resp: 666339
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 13.1 9.9 14.9



#74
 Di-n-butylphthalate
 Concen: 6.293 ng
 RT: 18.257 min Scan# 2596
 Delta R.T. -0.018 min
 Lab File: BP021510.D
 Acq: 15 Aug 2024 12:00

Tgt Ion:149 Resp: 653333
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.5 11.3
 104 6.6 4.9 7.3

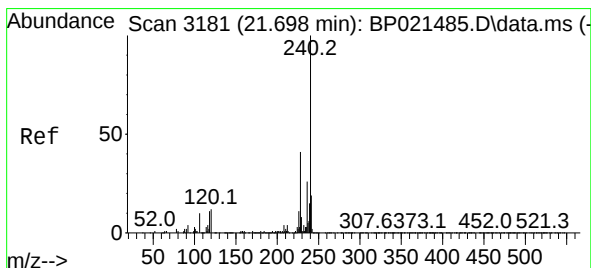
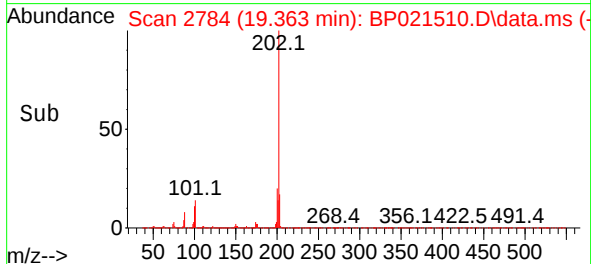
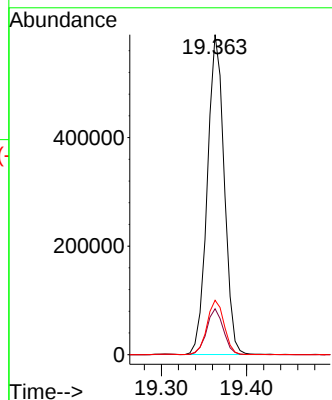
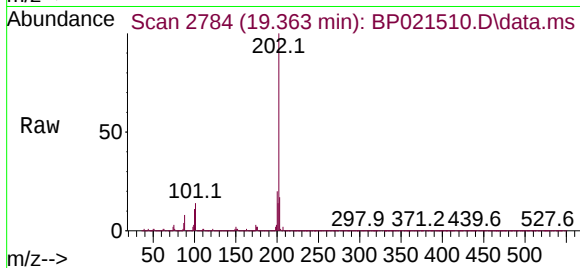




#75
Fluoranthene
Concen: 7.372 ng
RT: 19.363 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

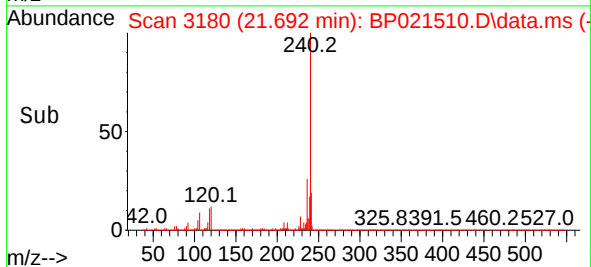
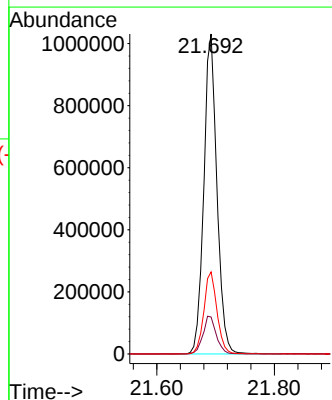
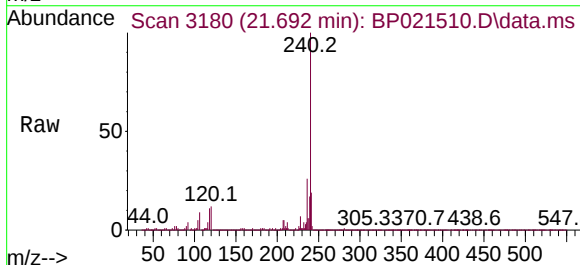
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2024

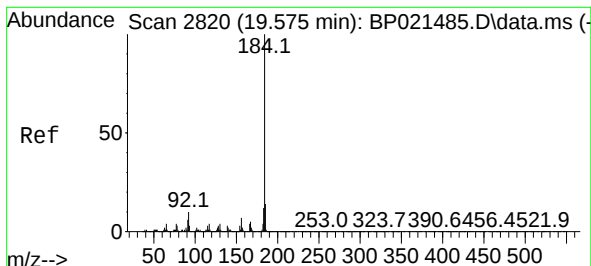
Tgt Ion:	202	Resp:	809086
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	34.0
203	17.0	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.692 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP021510.D
Acq: 15 Aug 2024 12:00

Tgt Ion:	240	Resp:	1598210
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.9	14.9
236	25.7	20.6	30.8





#77

Benzidine

Concen: 10.033 ng

RT: 19.557 min Scan# 2817

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

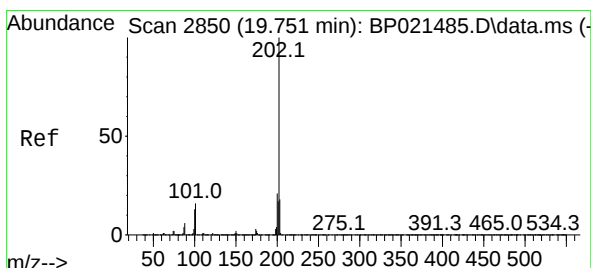
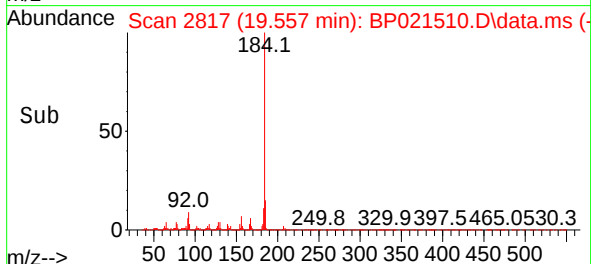
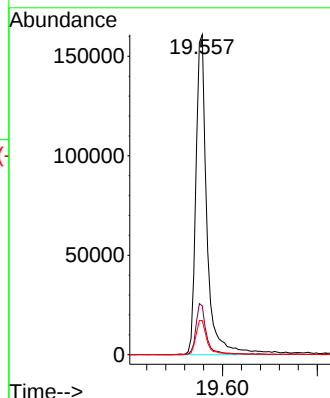
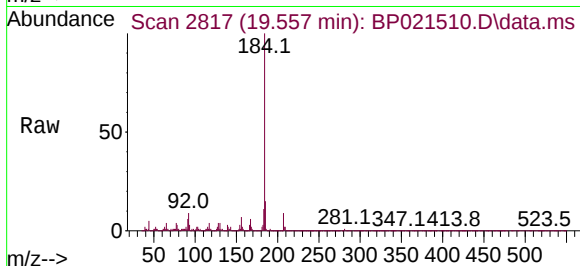
Tgt Ion:184 Resp: 261713

Ion Ratio Lower Upper

184 100

185 15.3 11.4 17.0

183 10.6 9.3 13.9



#78

Pyrene

Concen: 8.230 ng

RT: 19.739 min Scan# 2848

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

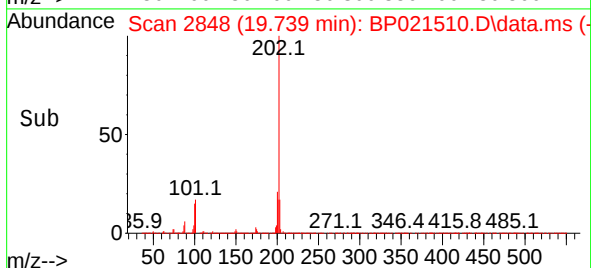
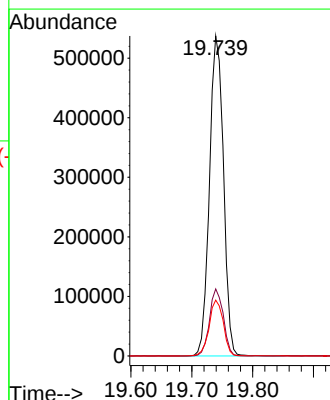
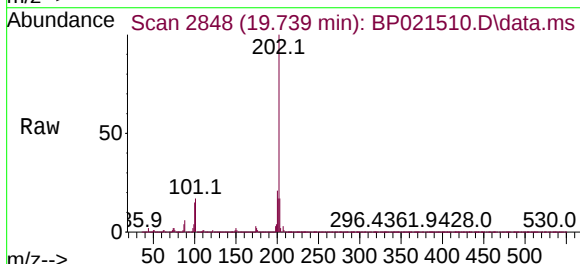
Tgt Ion:202 Resp: 859710

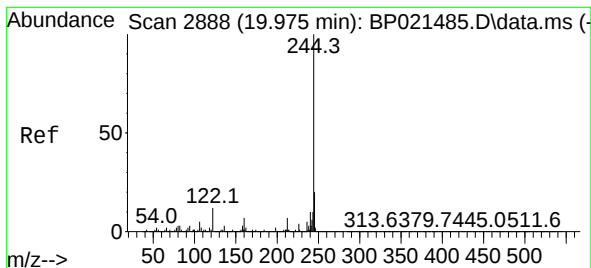
Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 83.986 ng

RT: 19.963 min Scan# 2886

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

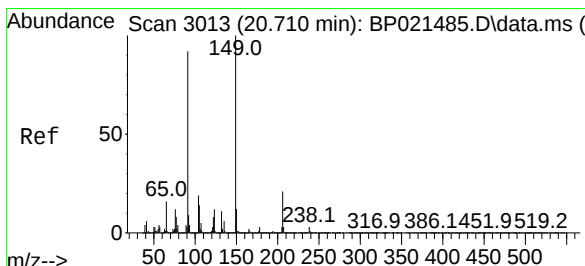
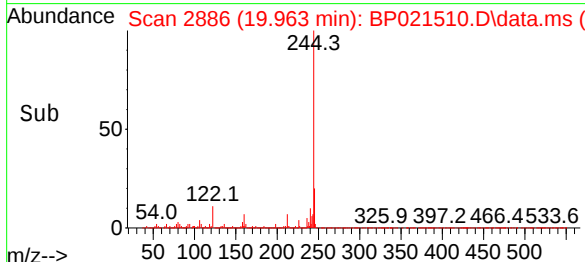
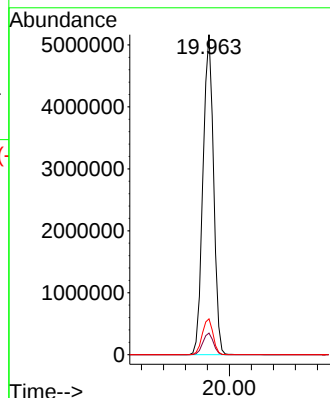
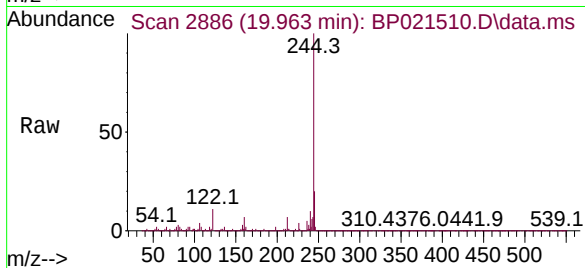
Tgt Ion:244 Resp: 6909177

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.2 9.4 14.2



#80

Butylbenzylphthalate

Concen: 7.843 ng

RT: 20.698 min Scan# 3011

Delta R.T. -0.012 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

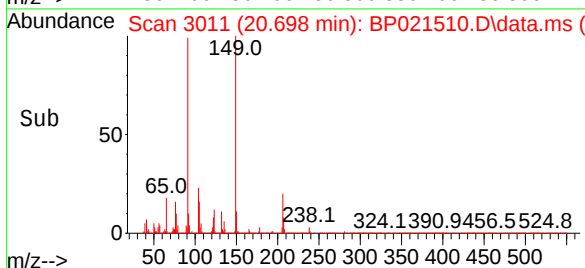
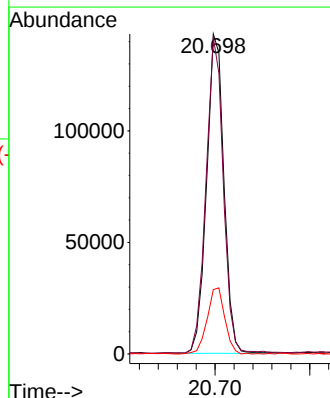
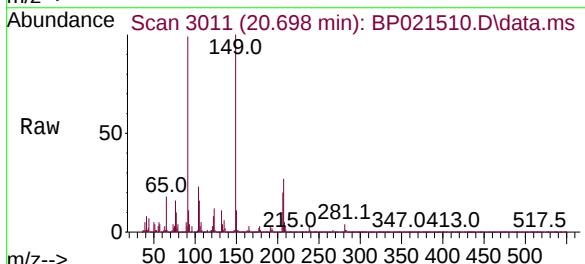
Tgt Ion:149 Resp: 181762

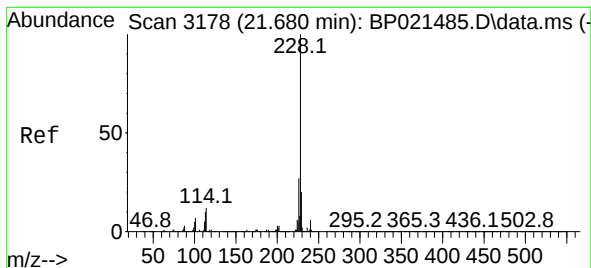
Ion Ratio Lower Upper

149 100

91 99.0 73.3 109.9

206 20.1 17.1 25.7





#81

Benzo(a)anthracene

Concen: 8.040 ng

RT: 21.674 min Scan# 3177

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

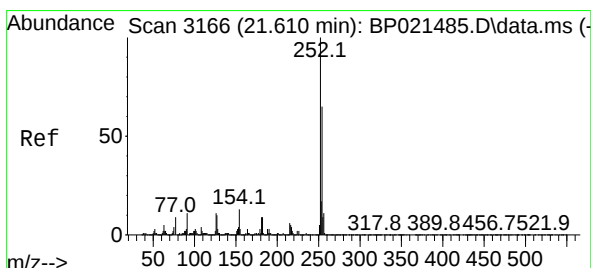
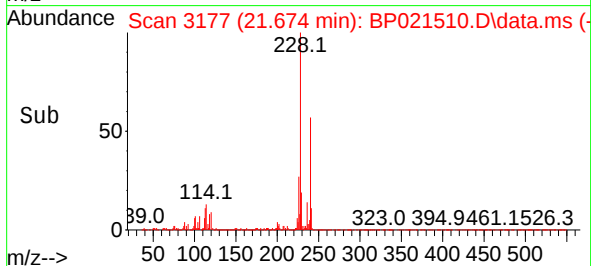
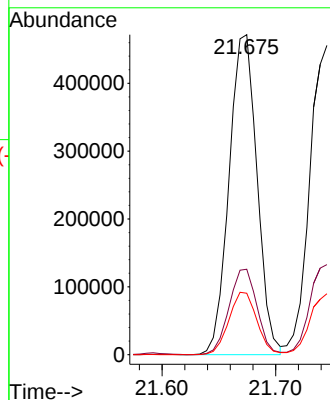
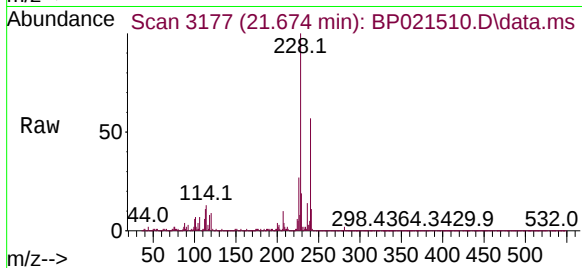
Tgt Ion:228 Resp: 806668

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.2

229 19.2 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 7.274 ng

RT: 21.592 min Scan# 3163

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

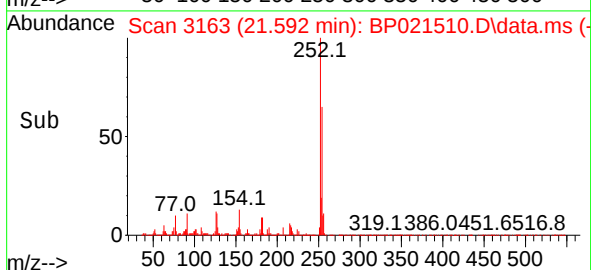
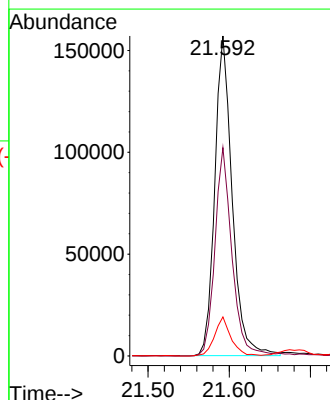
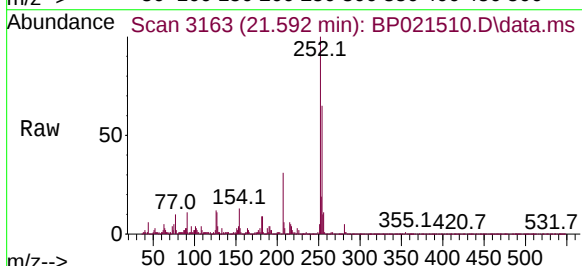
Tgt Ion:252 Resp: 233999

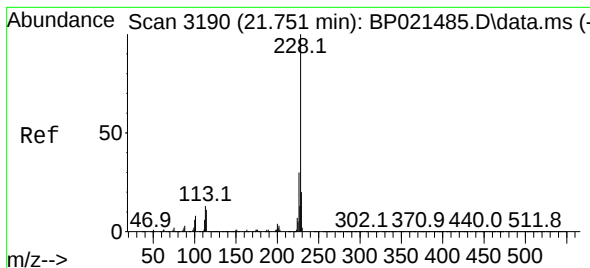
Ion Ratio Lower Upper

252 100

254 65.1 51.7 77.5

126 12.2 8.7 13.1





#83

Chrysene

Concen: 8.026 ng

RT: 21.745 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

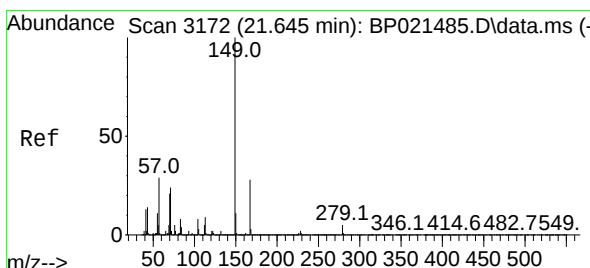
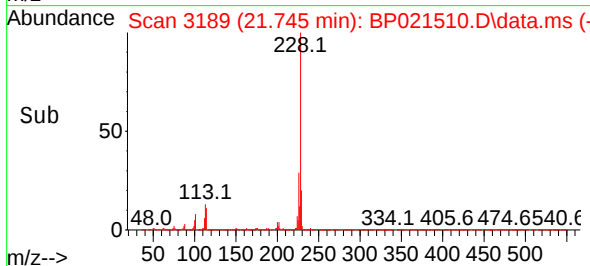
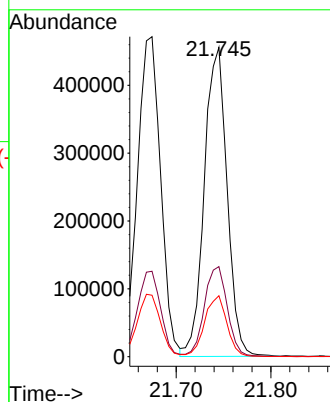
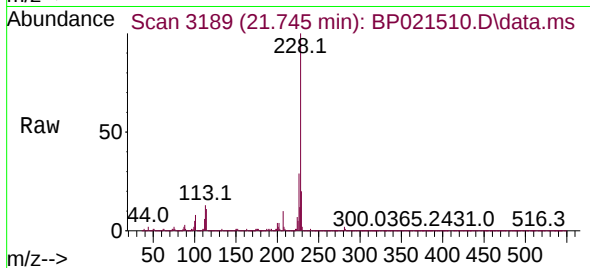
Tgt Ion:228 Resp: 760307

Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.555 ng

RT: 21.639 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

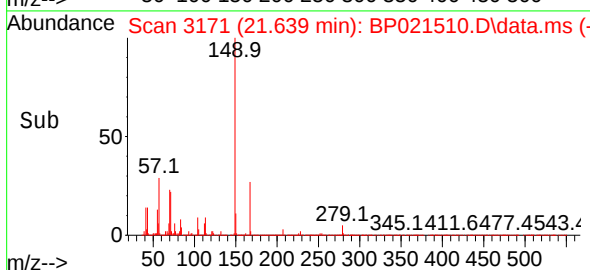
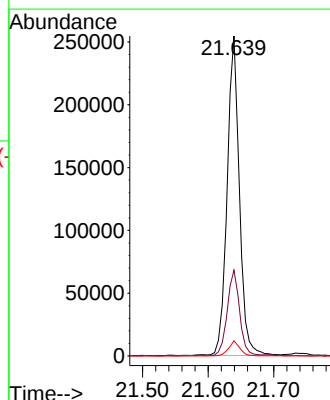
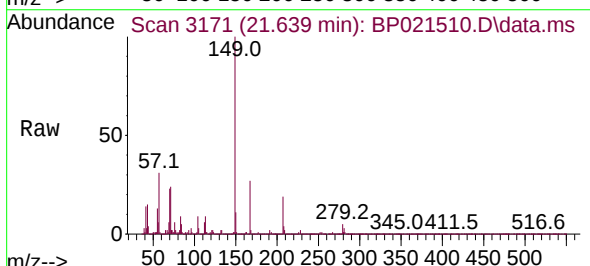
Tgt Ion:149 Resp: 329416

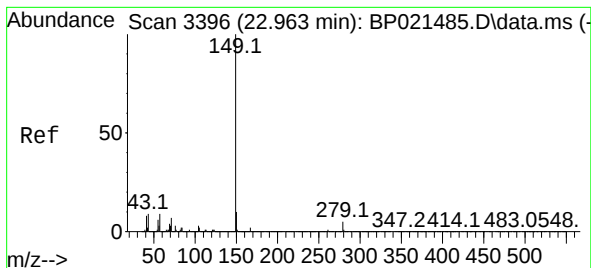
Ion Ratio Lower Upper

149 100

167 26.8 22.3 33.5

279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 8.297 ng

RT: 22.945 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

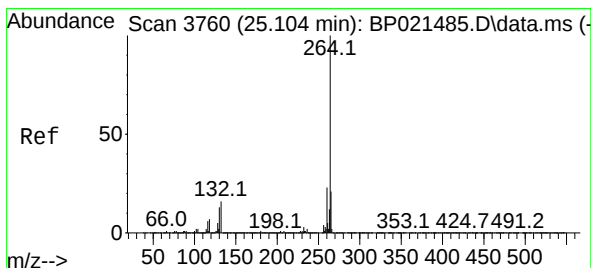
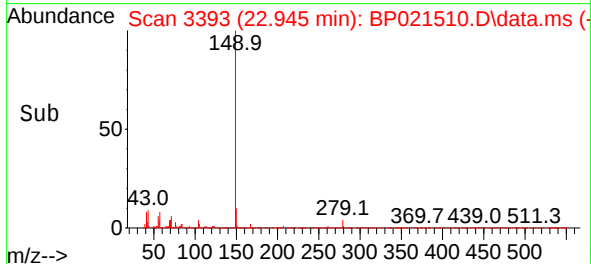
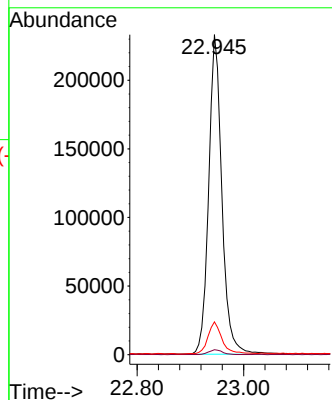
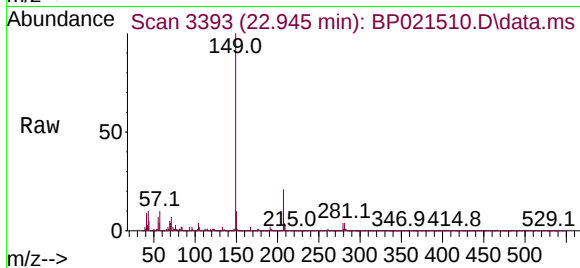
Tgt Ion:149 Resp: 400870

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 10.7 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.086 min Scan# 3757

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

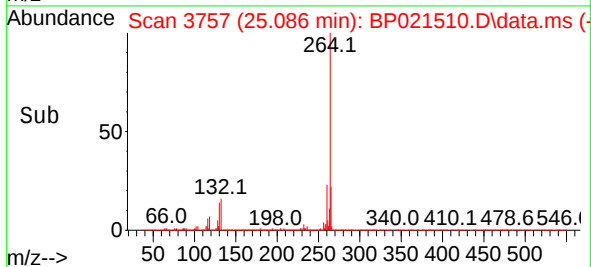
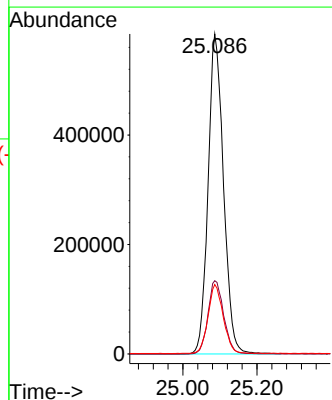
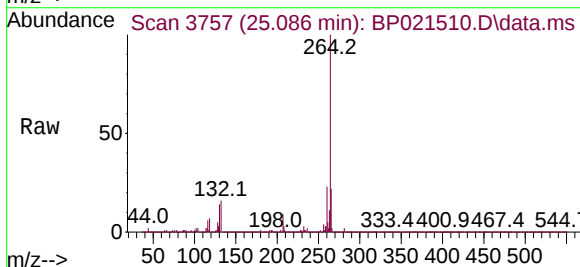
Tgt Ion:264 Resp: 1686397

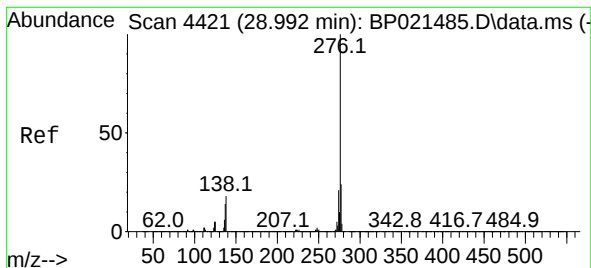
Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.114 ng

RT: 28.939 min Scan# 4421

Delta R.T. -0.053 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

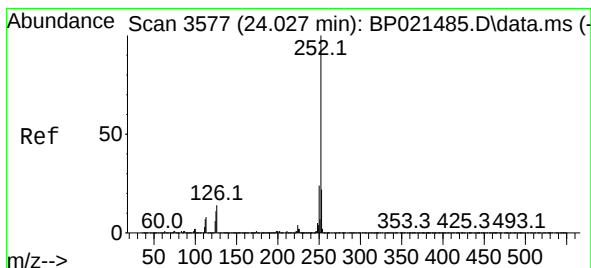
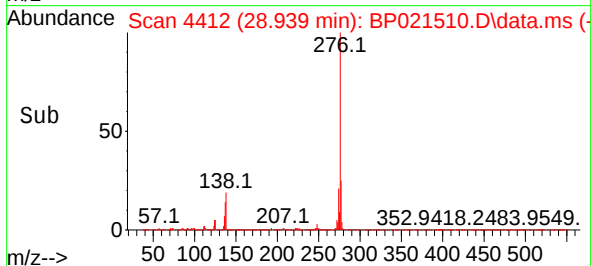
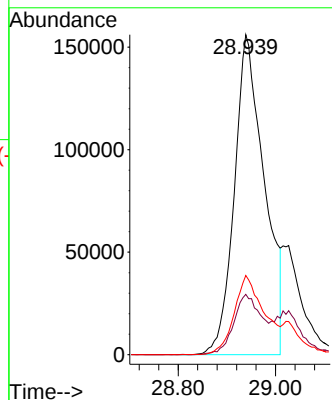
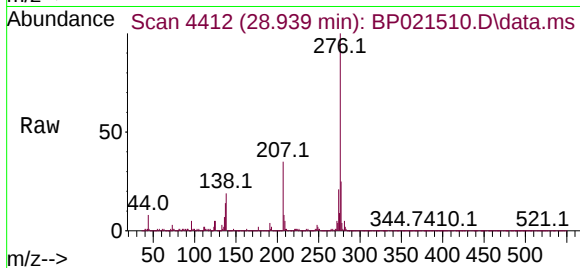
Tgt Ion:276 Resp: 668385

Ion Ratio Lower Upper

276 100

138 17.3 12.8 19.2

277 24.9 16.5 24.7#



#88

Benzo(b)fluoranthene

Concen: 7.563 ng

RT: 24.021 min Scan# 3576

Delta R.T. -0.006 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

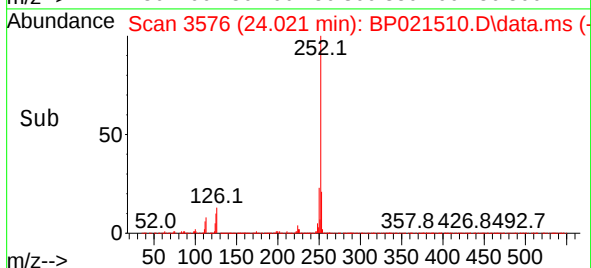
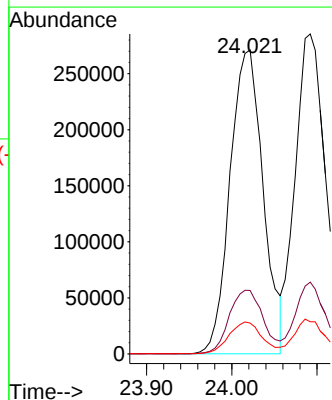
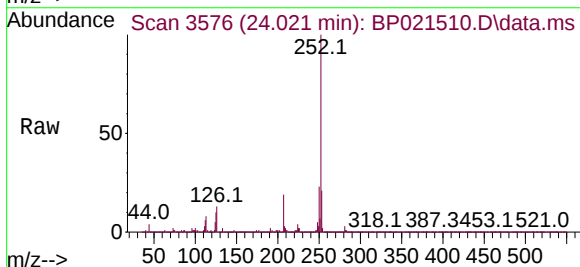
Tgt Ion:252 Resp: 732541

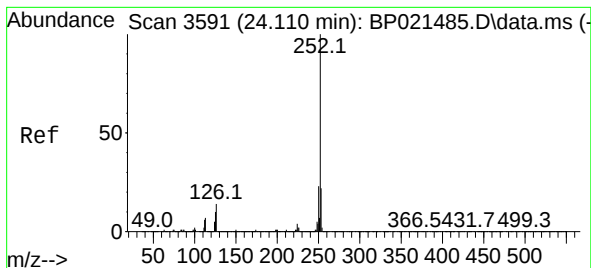
Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 7.731 ng

RT: 24.092 min Scan# 3588

Delta R.T. -0.018 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

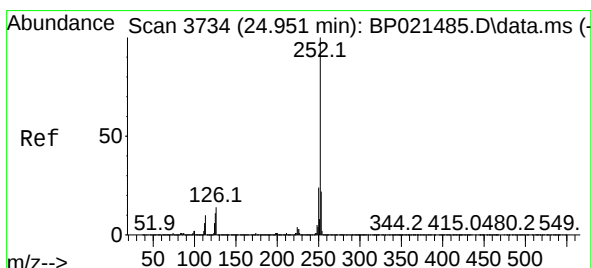
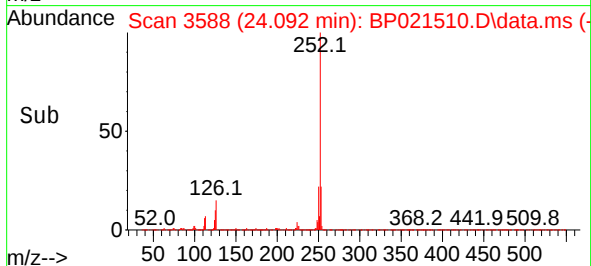
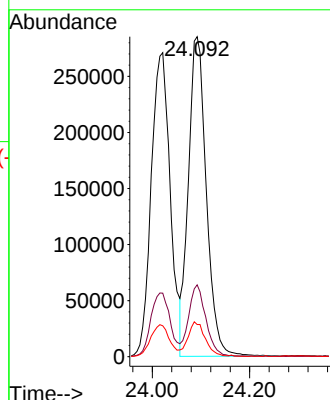
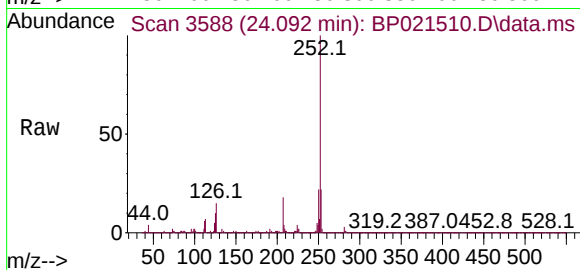
Tgt Ion:252 Resp: 730481

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.0 7.8 11.8



#90

Benzo(a)pyrene

Concen: 7.715 ng

RT: 24.927 min Scan# 3730

Delta R.T. -0.024 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

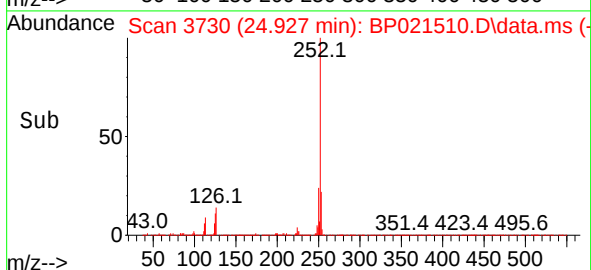
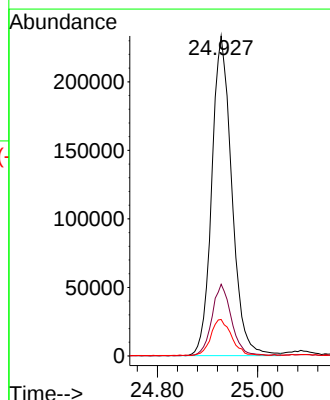
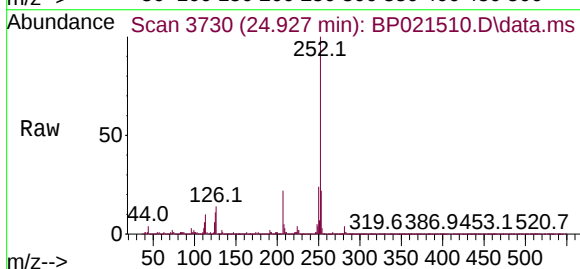
Tgt Ion:252 Resp: 648420

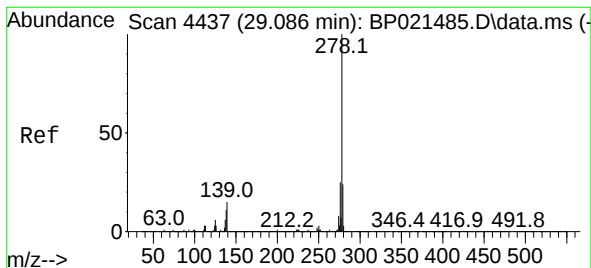
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 11.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 7.638 ng

RT: 29.027 min Scan# 4437

Delta R.T. -0.059 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2024

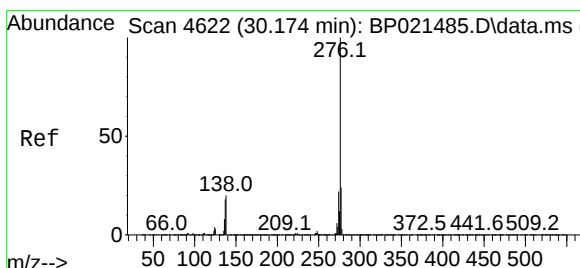
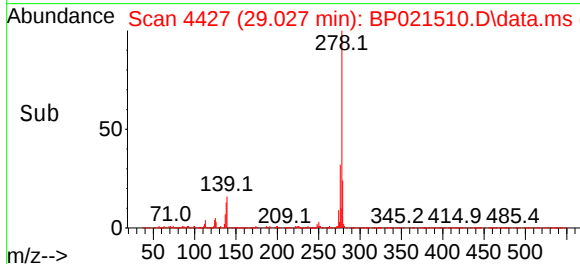
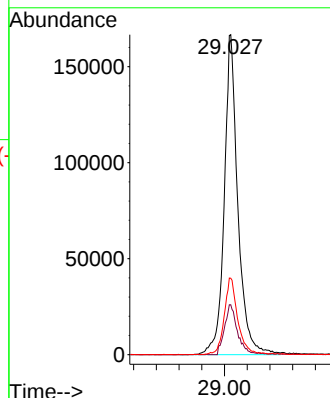
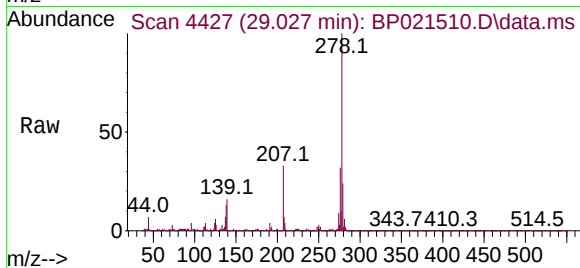
Tgt Ion:278 Resp: 693704

Ion Ratio Lower Upper

278 100

139 15.6 12.2 18.4

279 23.9 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 7.465 ng

RT: 30.139 min Scan# 4616

Delta R.T. -0.035 min

Lab File: BP021510.D

Acq: 15 Aug 2024 12:00

Tgt Ion:276 Resp: 679547

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 21.4 16.0 24.0

