

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141322.D
 Acq On : 31 Jan 2025 10:42
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Jan 31 11:11:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	168791	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	681556	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	368687	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	635883	20.000	ng	0.00
76) Chrysene-d12	13.968	240	407540	20.000	ng	0.00
86) Perylene-d12	15.433	264	345574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1152947	104.864	ng	0.00
7) Phenol-d6	6.428	99	1582079	113.113	ng	-0.01
23) Nitrobenzene-d5	7.363	82	1074166	83.084	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	405378	119.934	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1840216	76.825	ng	0.00
79) Terphenyl-d14	12.915	244	1997497	75.588	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	38467	7.955	ng	99
3) Pyridine	3.251	79	88970	7.637	ng	97
4) n-Nitrosodimethylamine	3.146	42	54349	8.166	ng	99
6) Aniline	6.463	93	139314	11.767	ng	99
8) 2-Chlorophenol	6.581	128	102689	8.714	ng	85
9) Benzaldehyde	6.351	77	83822	10.346	ng	96
10) Phenol	6.445	94	130073	8.773	ng	85
11) bis(2-Chloroethyl)ether	6.539	93	102142	8.985	ng	96
12) 1,3-Dichlorobenzene	6.739	146	107540	8.276	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109808	8.412	ng	98
14) 1,2-Dichlorobenzene	6.969	146	102611	8.395	ng	99
15) Benzyl Alcohol	6.934	79	99512	10.411	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	185330	9.375	ng	99
17) 2-Methylphenol	7.045	107	81858	8.547	ng	98
18) Hexachloroethane	7.310	117	39226	8.146	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	76880	9.250	ng	99
20) 3+4-Methylphenols	7.198	107	107883	9.174	ng	92
22) Acetophenone	7.204	105	156218	9.643	ng	99
24) Nitrobenzene	7.381	77	116330	8.683	ng	99
25) Isophorone	7.616	82	207146	9.269	ng	99
26) 2-Nitrophenol	7.692	139	53622	8.486	ng	99
27) 2,4-Dimethylphenol	7.728	122	45382	5.643	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	129405	9.078	ng	98
29) 2,4-Dichlorophenol	7.933	162	86909	8.827	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	95632	8.505	ng	98
31) Naphthalene	8.104	128	318828	8.855	ng	99
32) Benzoic acid	7.804	122	45266	6.122	ng	98
33) 4-Chloroaniline	8.151	127	122782	10.056	ng	98
34) Hexachlorobutadiene	8.222	225	54114	8.206	ng	99
35) Caprolactam	8.486	113	28272	8.792	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	97649	9.246	ng	100
37) 2-Methylnaphthalene	8.792	142	212049	9.266	ng	98
38) 1-Methylnaphthalene	8.892	142	194998	8.675	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	99430	9.480	ng	98
41) Hexachlorocyclopentadiene	8.945	237	17850	5.762	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	60008	8.741	ng	100

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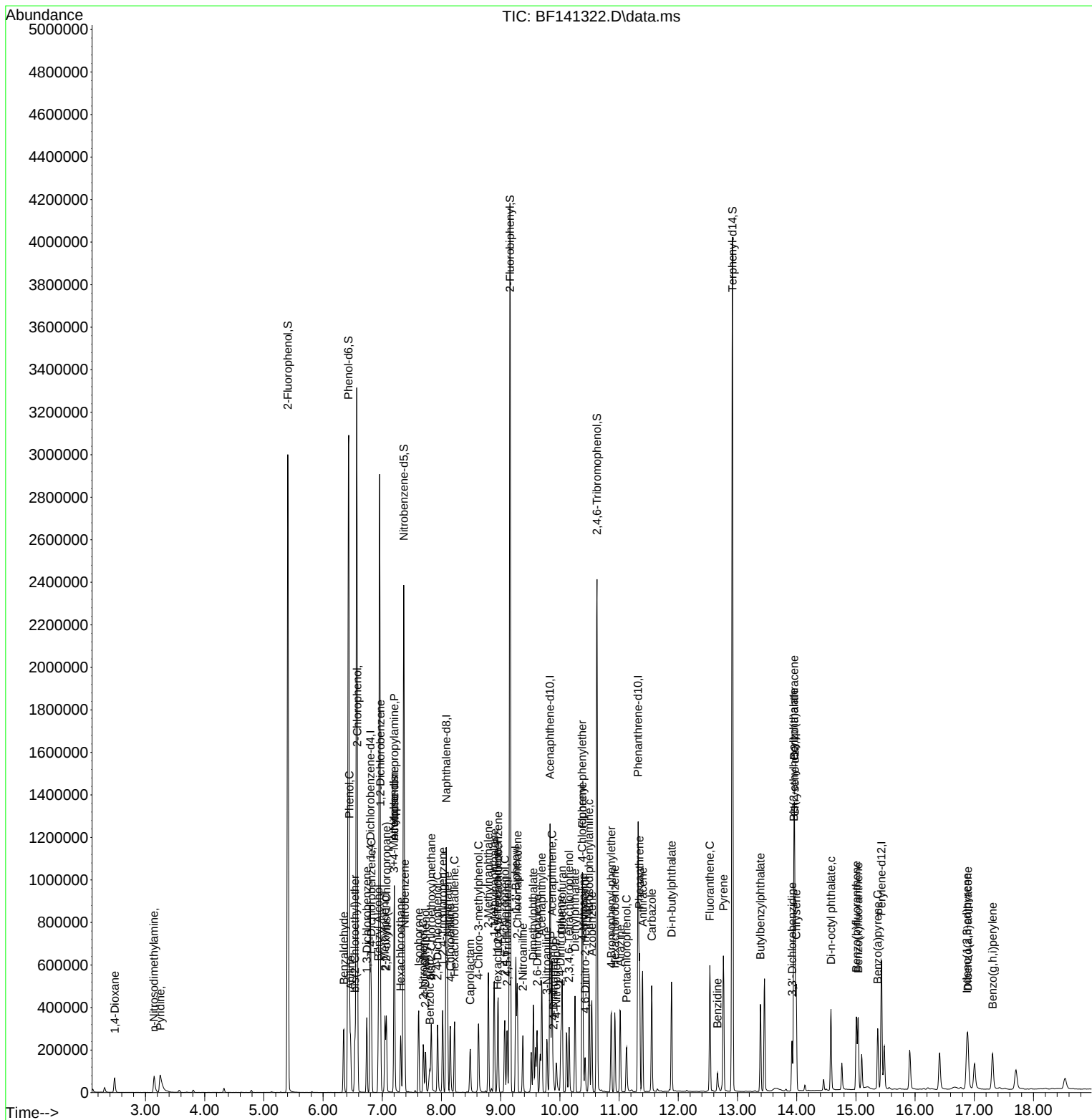
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	63762	8.533	ng	97
46) 1,1'-Biphenyl	9.257	154	276364	9.612	ng	99
47) 2-Chloronaphthalene	9.280	162	195909	8.741	ng	98
48) 2-Nitroaniline	9.375	65	61682	8.750	ng	98
49) Acenaphthylene	9.692	152	308621	9.837	ng	99
50) Dimethylphthalate	9.551	163	227848	9.150	ng	100
51) 2,6-Dinitrotoluene	9.616	165	49183	8.507	ng	98
52) Acenaphthene	9.869	154	202650	9.042	ng	100
53) 3-Nitroaniline	9.780	138	52768	9.312	ng	98
54) 2,4-Dinitrophenol	9.892	184	15875	5.907	ng	92
55) Dibenzofuran	10.039	168	278929	9.298	ng	99
56) 4-Nitrophenol	9.939	139	34403	8.301	ng	99
57) 2,4-Dinitrotoluene	10.016	165	67198	8.977	ng	98
58) Fluorene	10.380	166	219348	9.426	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	52856	8.992	ng	98
60) Diethylphthalate	10.257	149	224628	9.304	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	106764	9.392	ng	99
62) 4-Nitroaniline	10.392	138	46519	8.350	ng	97
63) Azobenzene	10.539	77	221811	9.178	ng	99
65) 4,6-Dinitro-2-methylph...	10.427	198	29835	7.932	ng	99
66) n-Nitrosodiphenylamine	10.492	169	189434	9.211	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	64920	9.119	ng	94
68) Hexachlorobenzene	10.927	284	67059	8.880	ng	98
69) Atrazine	11.022	200	62202	9.046	ng	96
70) Pentachlorophenol	11.127	266	37041	8.377	ng	97
71) Phenanthrene	11.345	178	332426	9.725	ng	99
72) Anthracene	11.398	178	316794	9.459	ng	99
73) Carbazole	11.551	167	279813	9.422	ng	99
74) Di-n-butylphthalate	11.886	149	355513	9.878	ng	100
75) Fluoranthene	12.533	202	336914	9.983	ng	100
77) Benzidine	12.663	184	51766	3.962	ng	99
78) Pyrene	12.763	202	355812	9.095	ng	99
80) Butylbenzylphthalate	13.386	149	129623	9.484	ng	98
81) Benzo(a)anthracene	13.957	228	254578	9.052	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	71504	7.994	ng	99
83) Chrysene	13.992	228	238221	9.243	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	175709	10.135	ng	98
85) Di-n-octyl phthalate	14.580	149	250442	9.301	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	194338	8.713	ng	99
88) Benzo(b)fluoranthene	15.009	252	201449	9.267	ng	100
89) Benzo(k)fluoranthene	15.039	252	198413	10.304	ng	99
90) Benzo(a)pyrene	15.368	252	176322	9.599	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	150845	8.406	ng	98
92) Benzo(g,h,i)perylene	17.309	276	154792	8.296	ng	98

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

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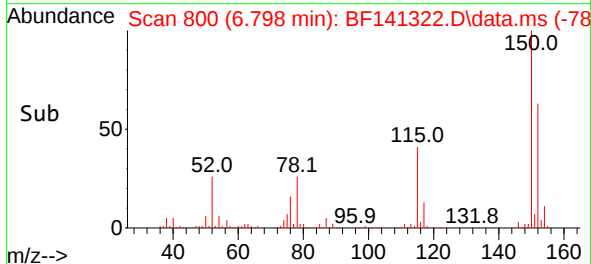
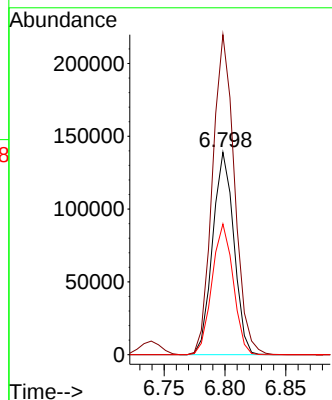
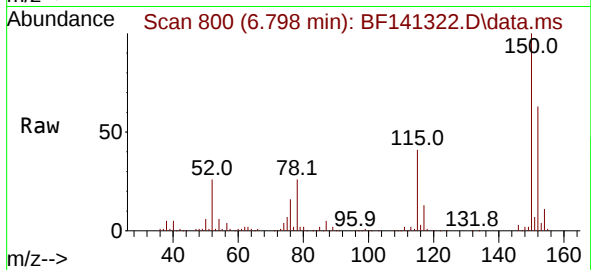




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141322.D
 Acq: 31 Jan 2025 10:42

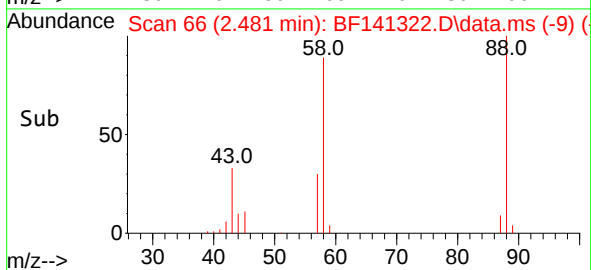
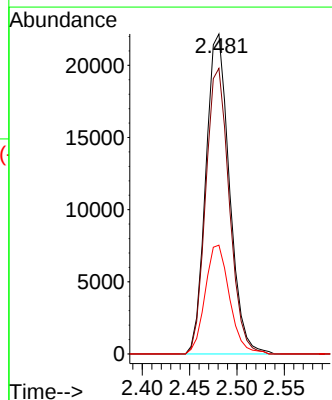
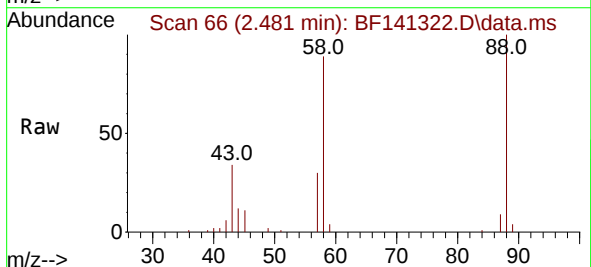
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Tgt Ion:152 Resp: 168791
 Ion Ratio Lower Upper
 152 100
 150 158.1 125.9 188.9
 115 64.6 49.7 74.5



#2
 1,4-Dioxane
 Concen: 7.955 ng
 RT: 2.481 min Scan# 66
 Delta R.T. -0.012 min
 Lab File: BF141322.D
 Acq: 31 Jan 2025 10:42

Tgt Ion: 88 Resp: 38467
 Ion Ratio Lower Upper
 88 100
 58 89.0 70.2 105.4
 43 35.2 27.6 41.4





#3

Pyridine

Concen: 7.637 ng

RT: 3.251 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

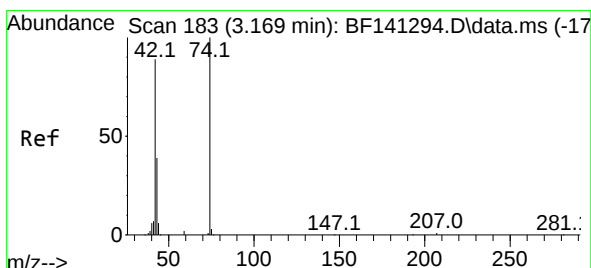
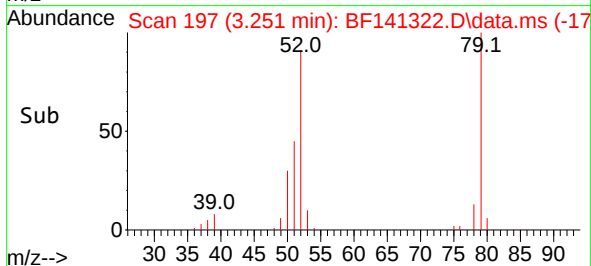
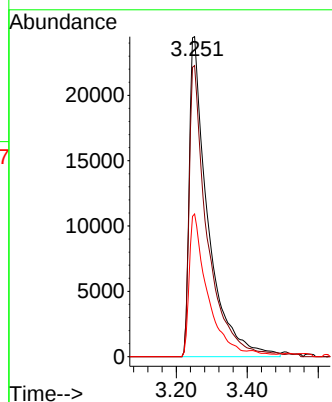
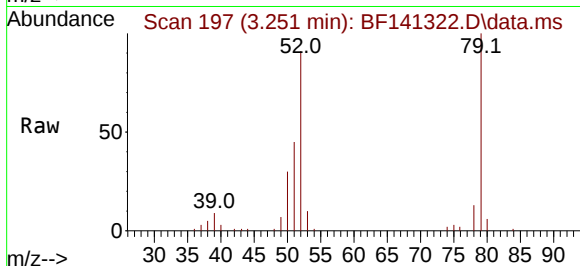
Tgt Ion: 79 Resp: 88970

Ion Ratio Lower Upper

79 100

52 91.0 70.3 105.5

51 44.6 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 8.166 ng

RT: 3.146 min Scan# 179

Delta R.T. -0.053 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

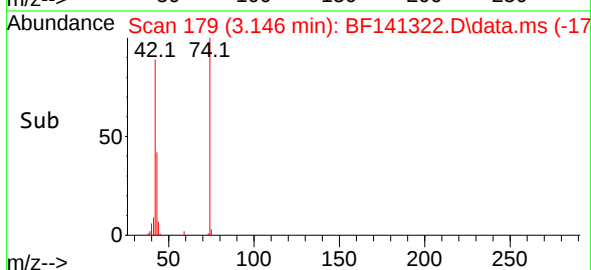
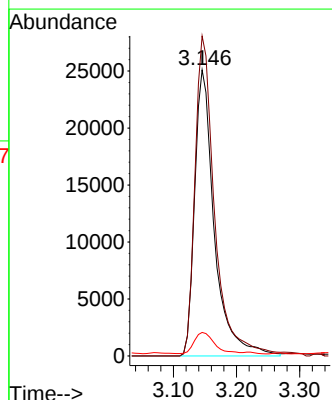
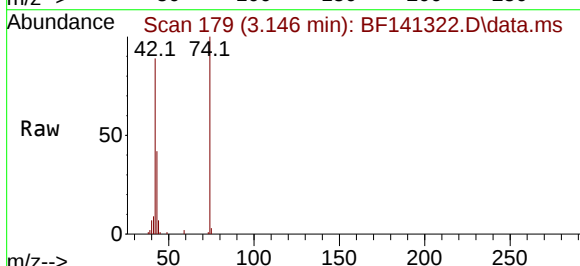
Tgt Ion: 42 Resp: 54349

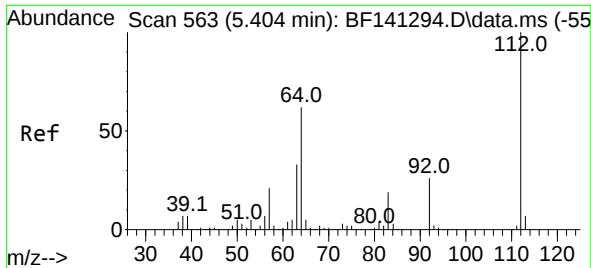
Ion Ratio Lower Upper

42 100

74 111.9 90.3 135.5

44 8.2 5.7 8.5

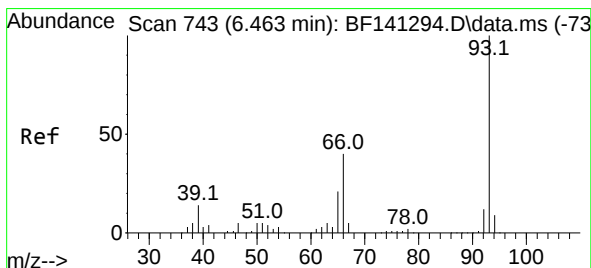
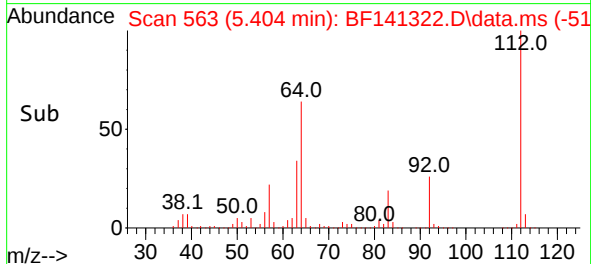
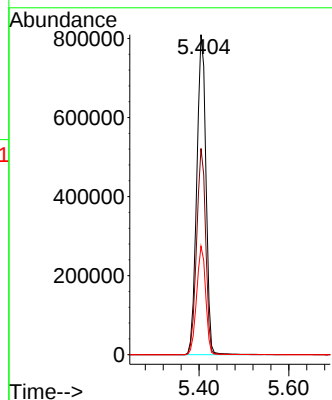
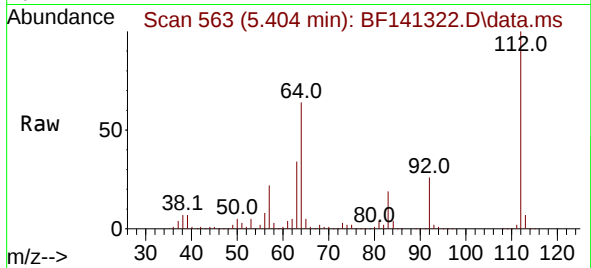




#5
2-Fluorophenol
Concen: 104.864 ng
RT: 5.404 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

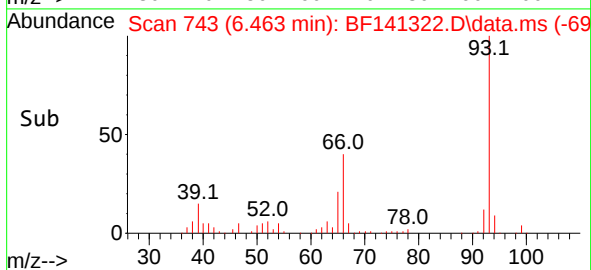
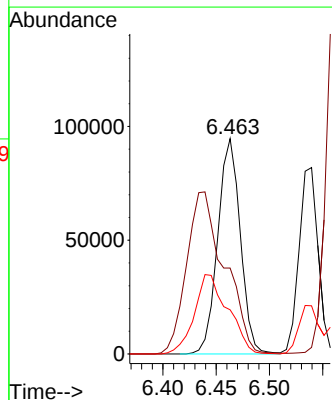
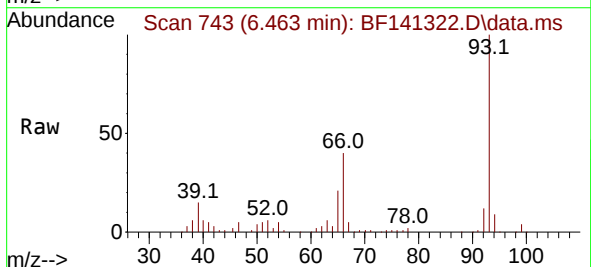
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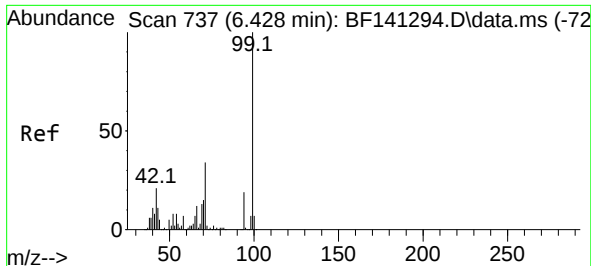
Tgt Ion:112 Resp: 1152947
Ion Ratio Lower Upper
112 100
64 64.5 49.8 74.8
63 33.9 26.1 39.1



#6
Aniline
Concen: 11.767 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 93 Resp: 139314
Ion Ratio Lower Upper
93 100
66 39.9 32.5 48.7
65 20.5 17.0 25.6





#7

Phenol-d6

Concen: 113.113 ng

RT: 6.428 min Scan# 737

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

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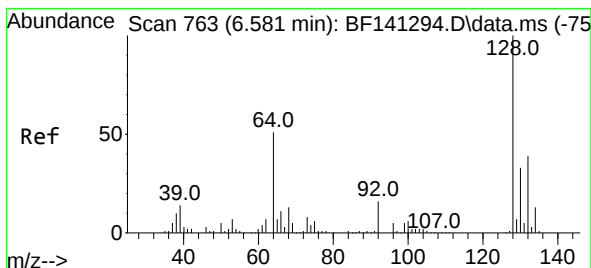
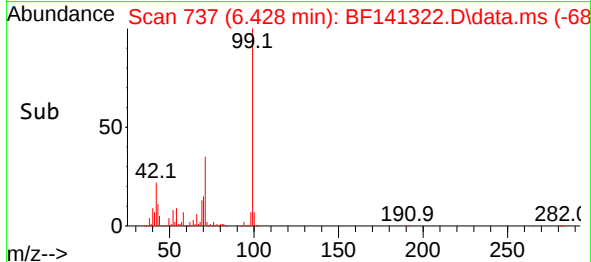
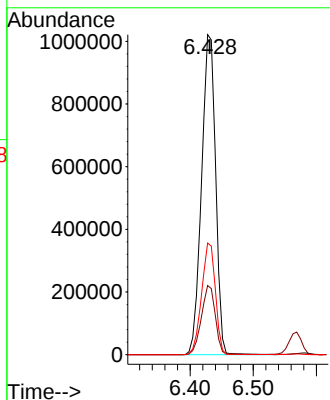
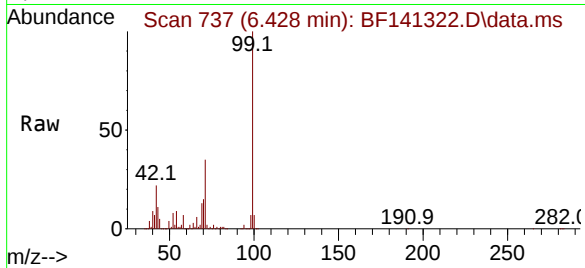
Tgt Ion: 99 Resp: 1582079

Ion Ratio Lower Upper

99 100

42 21.6 17.1 25.7

71 34.9 26.9 40.3



#8

2-Chlorophenol

Concen: 8.714 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

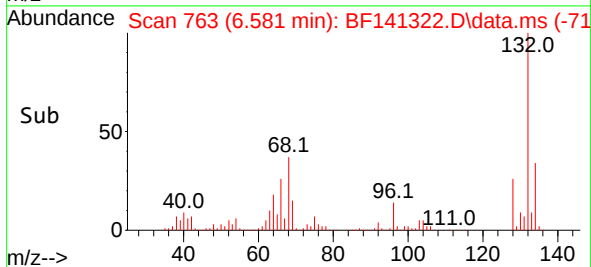
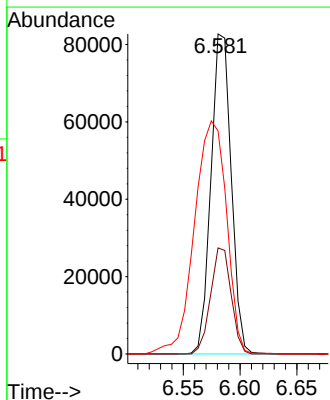
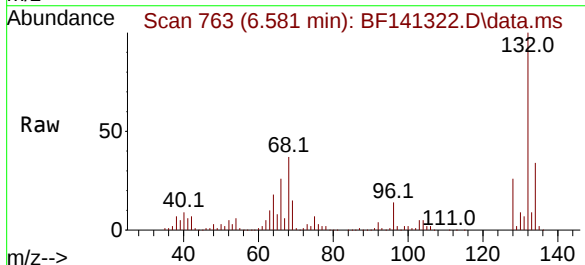
Tgt Ion:128 Resp: 102689

Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

64 69.7 32.9 72.9

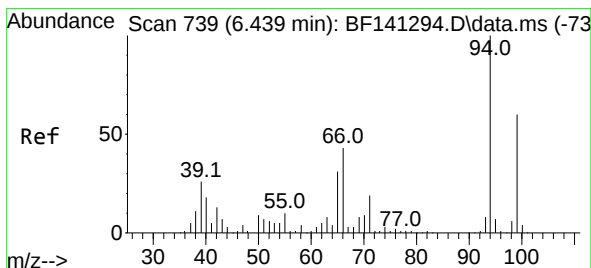
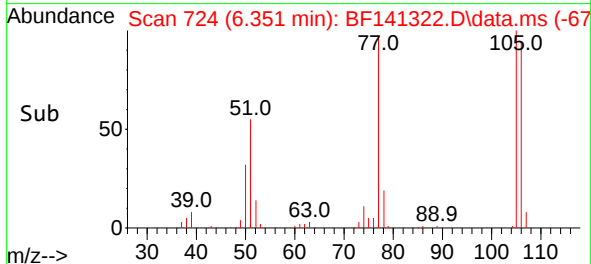
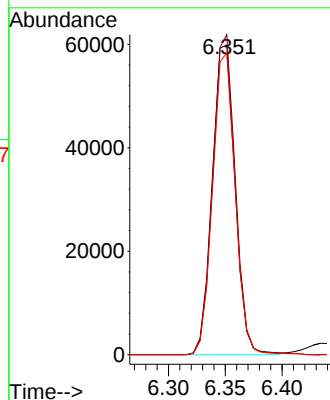
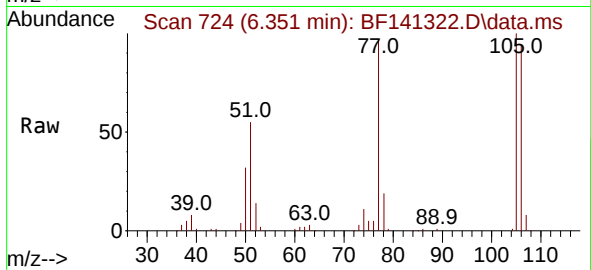




#9
Benzaldehyde
Concen: 10.346 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

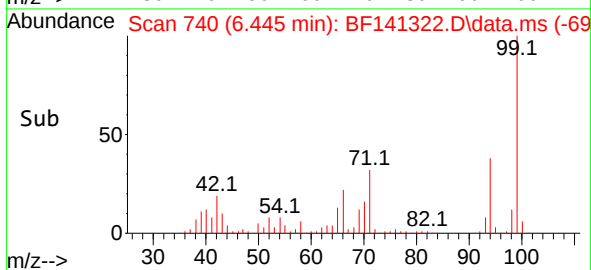
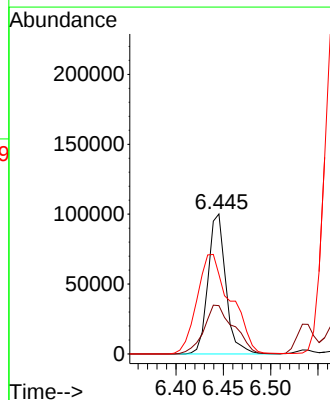
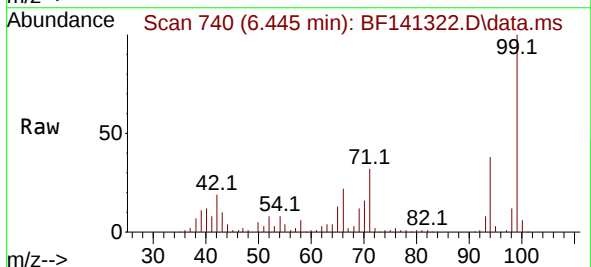
Instrument :
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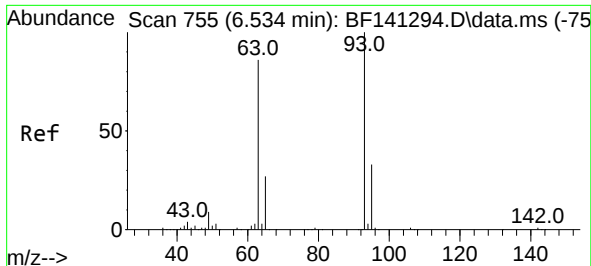
Tgt Ion: 77 Resp: 83822
Ion Ratio Lower Upper
77 100
105 103.4 79.4 119.4
106 97.5 74.6 114.6



#10
Phenol
Concen: 8.773 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 94 Resp: 130073
Ion Ratio Lower Upper
94 100
65 34.5 10.8 50.8
66 56.8 23.3 63.3

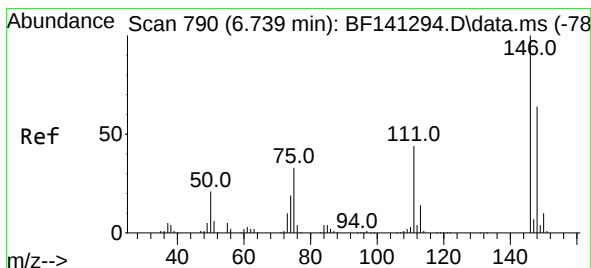
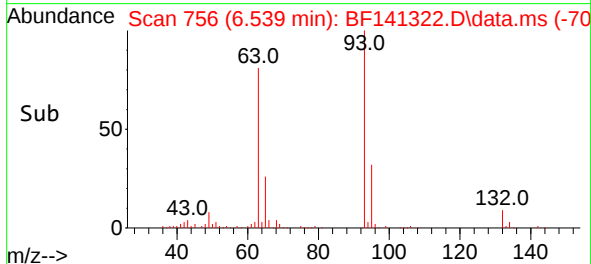
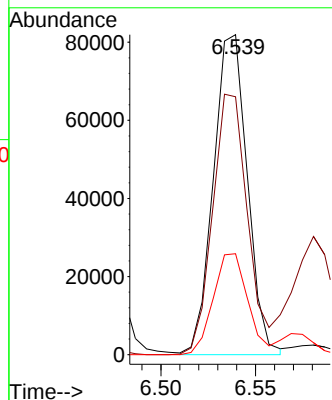
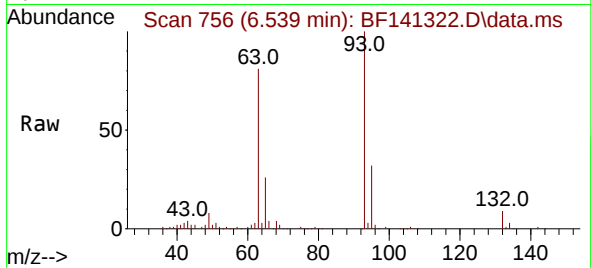




#11
bis(2-Chloroethyl)ether
Concen: 8.985 ng
RT: 6.539 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

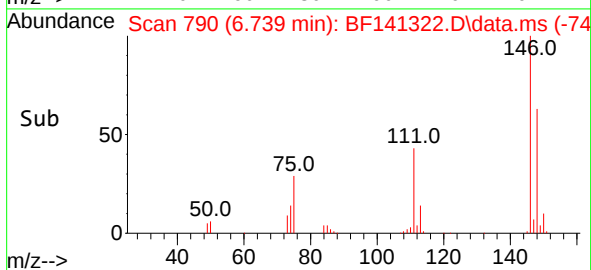
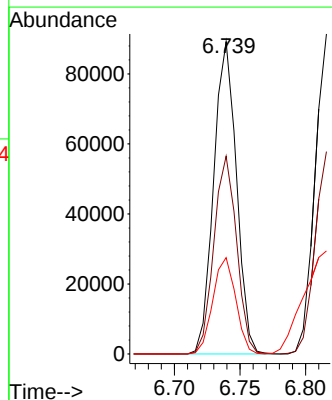
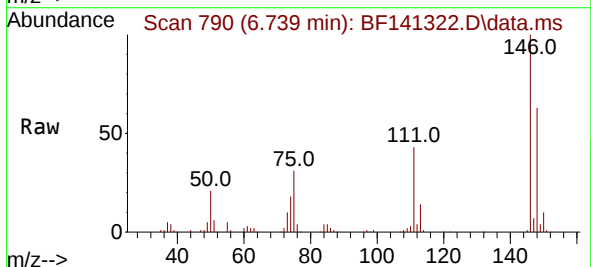
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 93 Resp: 102142
Ion Ratio Lower Upper
93 100
63 80.6 65.0 105.0
95 31.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 8.276 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 146 Resp: 107540
Ion Ratio Lower Upper
146 100
148 63.3 51.2 76.8
75 30.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 8.412 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

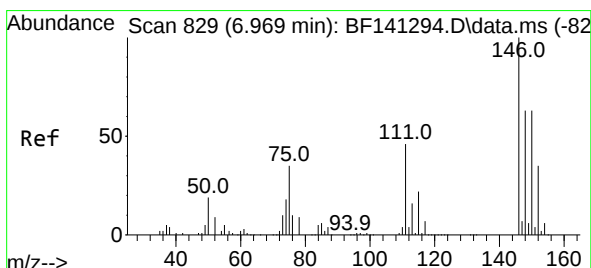
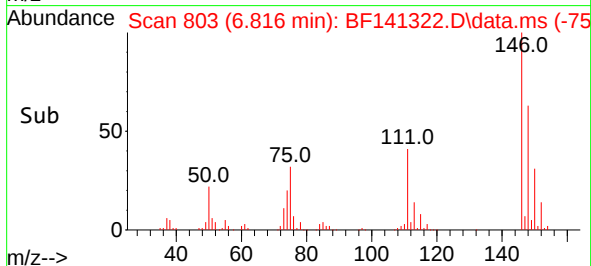
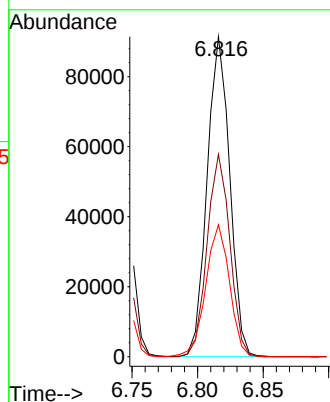
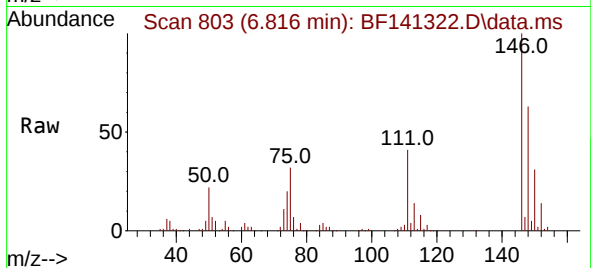
Tgt Ion:146 Resp: 109808

Ion Ratio Lower Upper

146 100

148 63.2 51.2 76.8

111 41.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 8.395 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

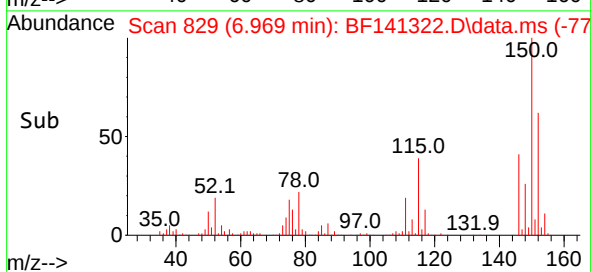
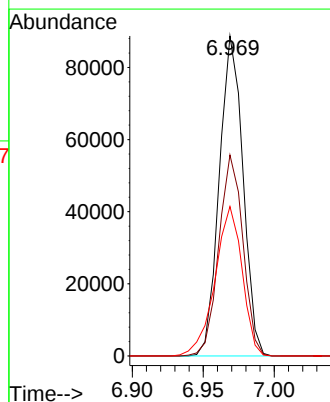
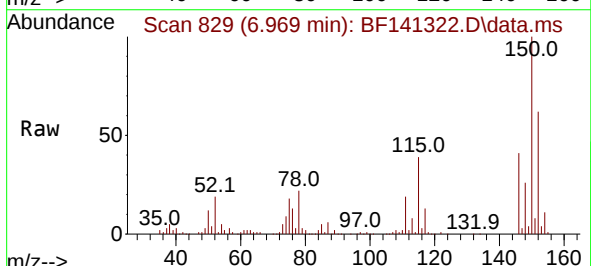
Tgt Ion:146 Resp: 102611

Ion Ratio Lower Upper

146 100

148 62.8 50.5 75.7

111 46.7 36.6 55.0

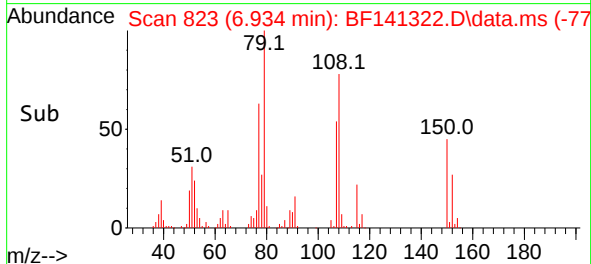
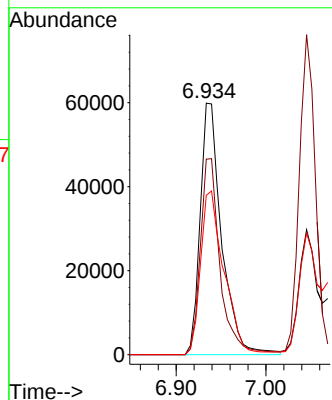
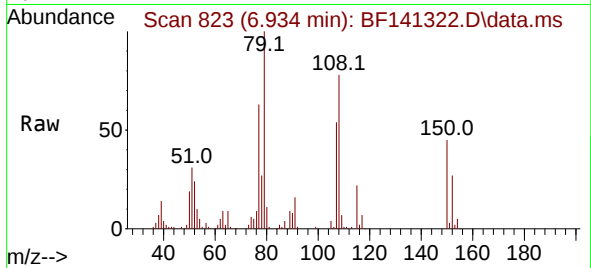




#15
Benzyl Alcohol
Concen: 10.411 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

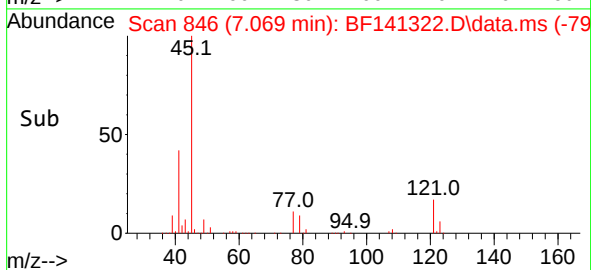
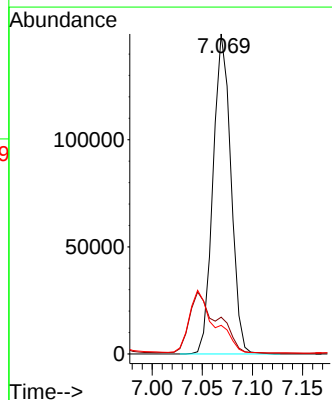
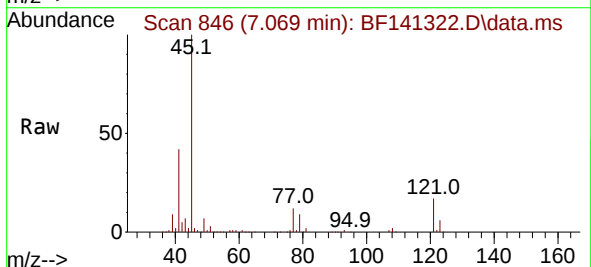
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

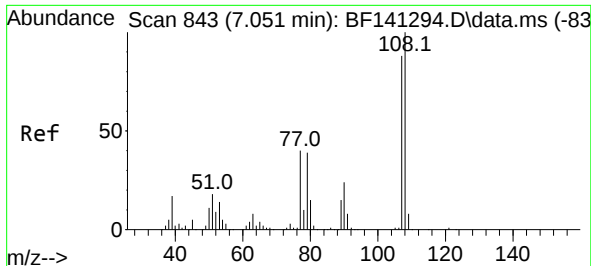
Tgt Ion: 79 Resp: 99512
Ion Ratio Lower Upper
79 100
108 77.7 61.4 92.0
77 63.4 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.375 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

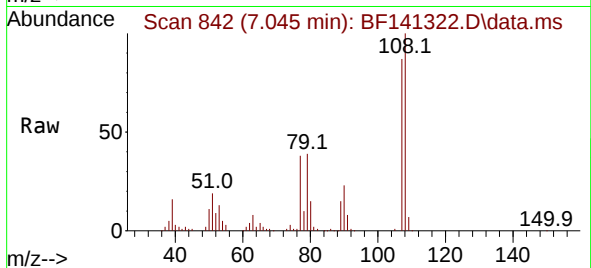
Tgt Ion: 45 Resp: 185330
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.0 0.0 29.1



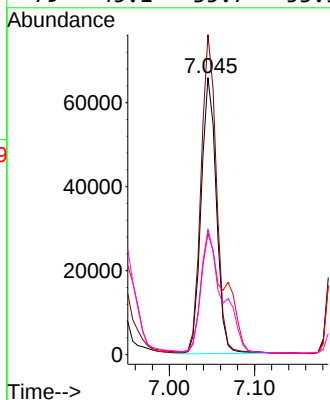
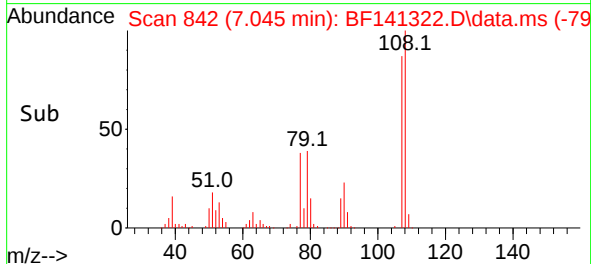


#17
2-Methylphenol
Concen: 8.547 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

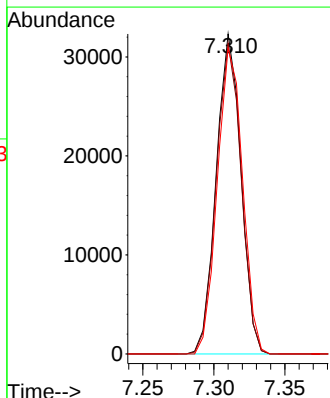
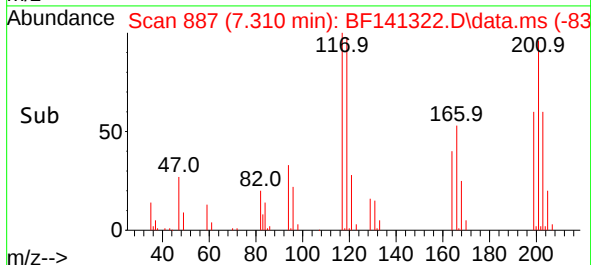
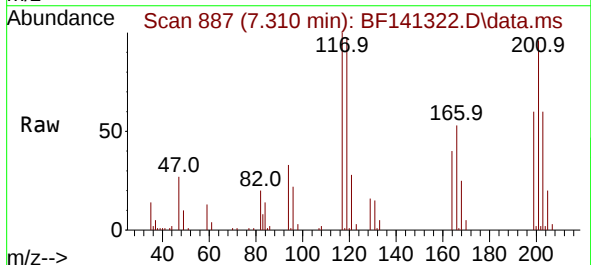


Tgt Ion:	107	Resp:	81858
Ion	Ratio	Lower	Upper
107	100		
108	115.4	90.8	136.2
77	43.8	36.2	54.4
79	45.1	35.7	53.5



#18
Hexachloroethane
Concen: 8.146 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:	117	Resp:	39226
Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.6	114.8
201	95.6	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 9.250 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.024 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 70 Resp: 76880

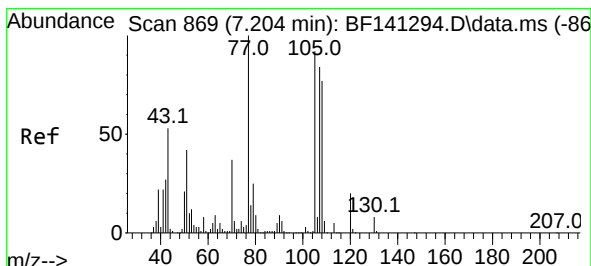
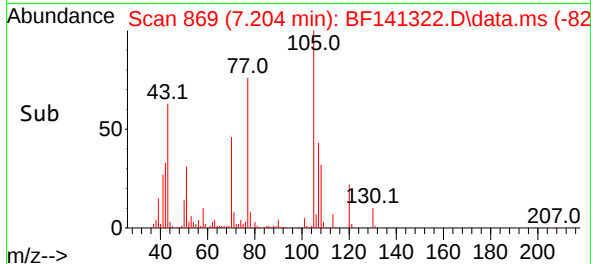
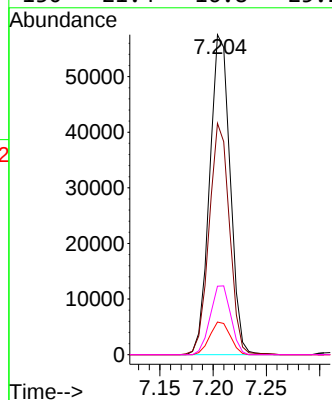
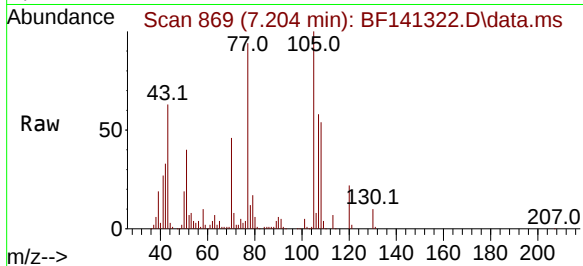
Ion Ratio Lower Upper

70 100

42 72.3 56.8 85.2

101 10.2 7.7 11.5

130 21.4 16.8 25.2



#20

3+4-Methylphenols

Concen: 9.174 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Tgt Ion:107 Resp: 107883

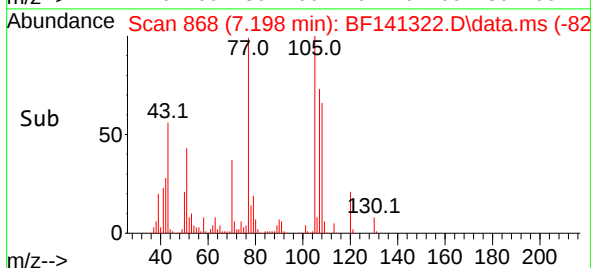
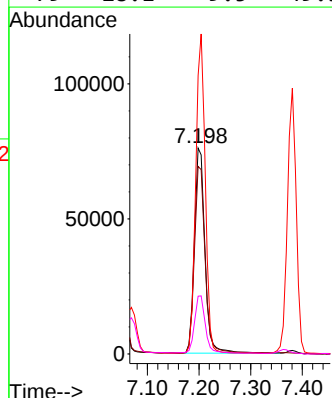
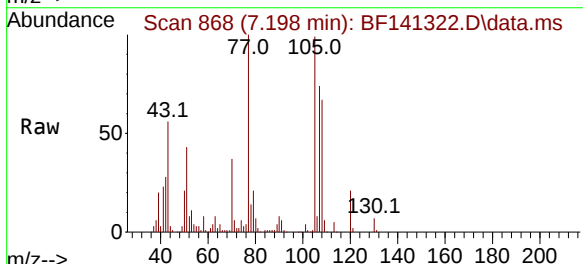
Ion Ratio Lower Upper

107 100

108 91.1 70.9 110.9

77 135.2 98.5 138.5

79 28.1 9.5 49.5

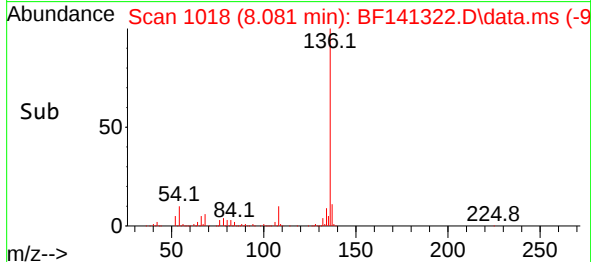
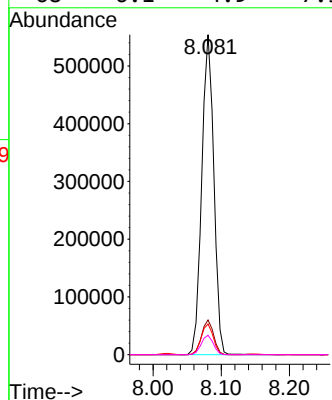
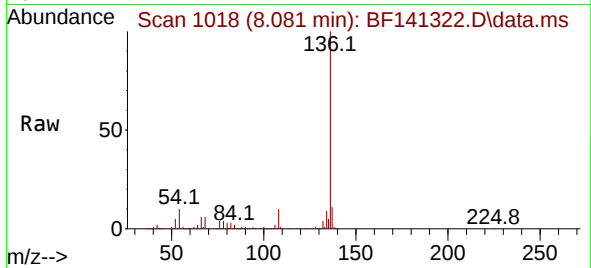




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

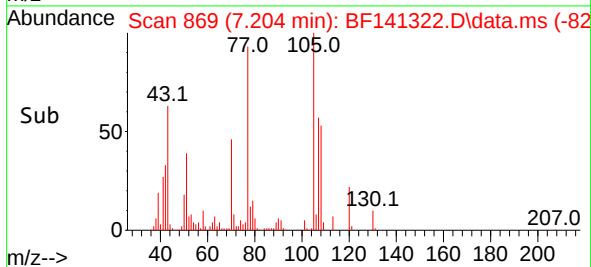
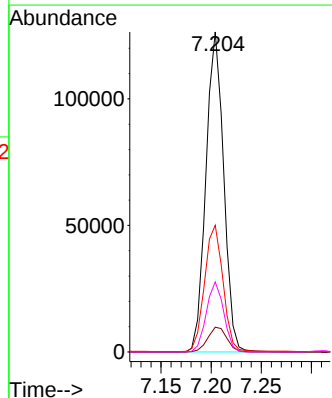
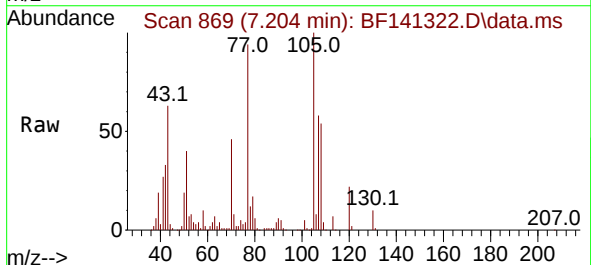
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

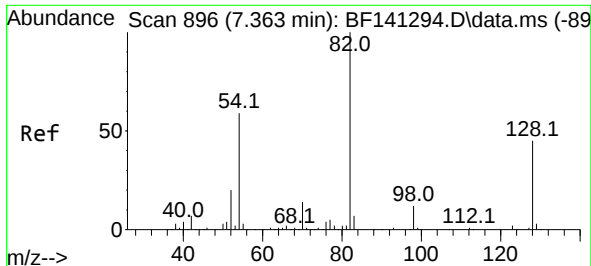
Tgt Ion:	136	Resp:	681556
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3



#22
Acetophenone
Concen: 9.643 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:	105	Resp:	156218
Ion	Ratio	Lower	Upper
105	100		
71	7.8	6.8	10.2
51	39.6	32.6	49.0
120	21.9	17.4	26.0





#23

Nitrobenzene-d5

Concen: 83.084 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

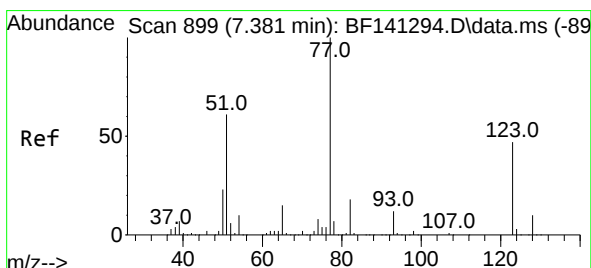
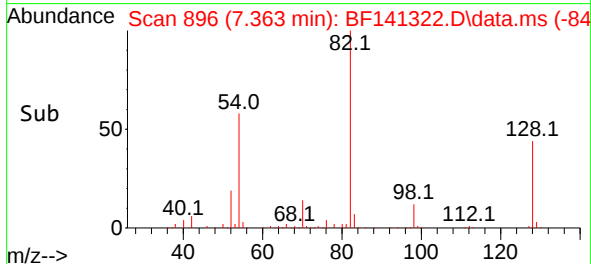
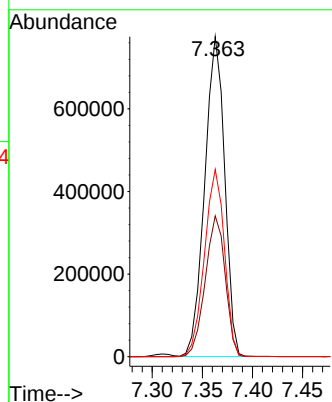
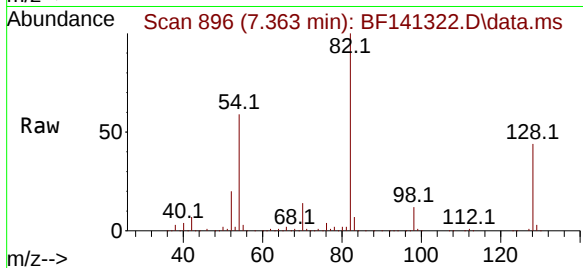
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 82 Resp: 1074166

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	58.5	47.1	70.7



#24

Nitrobenzene

Concen: 8.683 ng

RT: 7.381 min Scan# 899

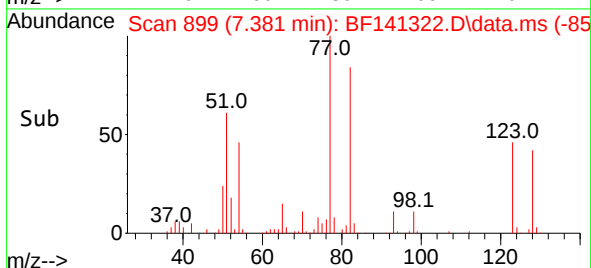
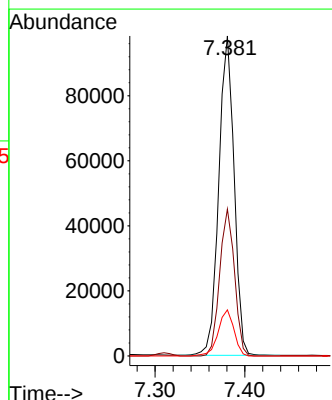
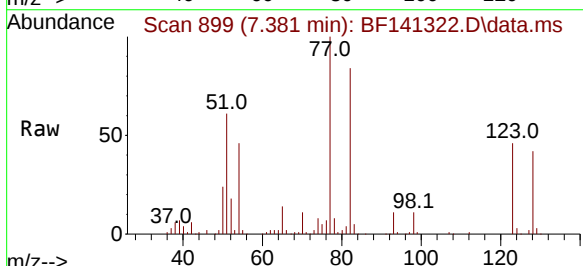
Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Tgt Ion: 77 Resp: 116330

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.3	55.9
65	14.4	11.8	17.6

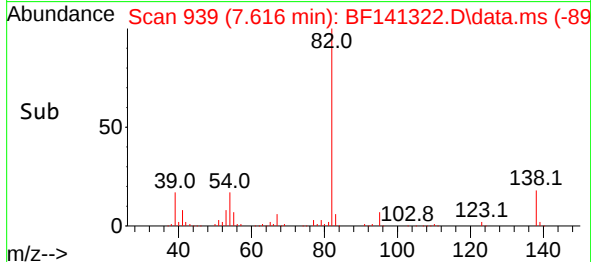
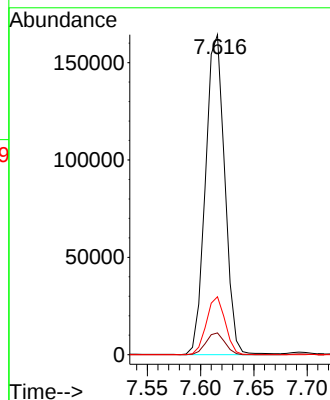
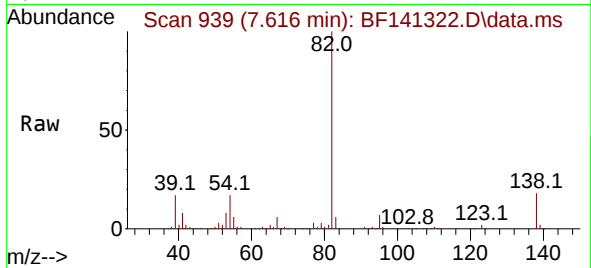




#25
Isophorone
Concen: 9.269 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

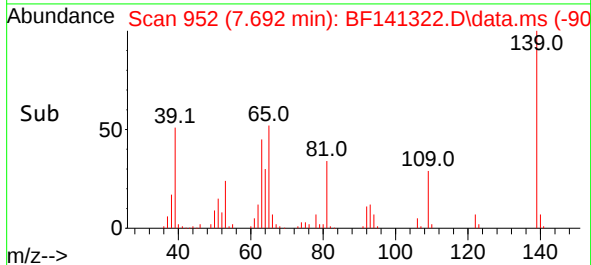
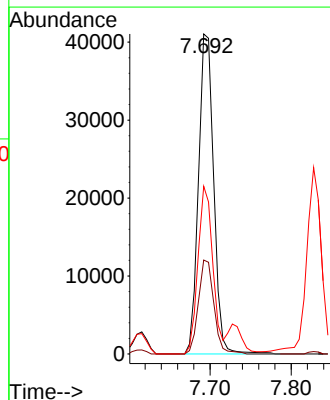
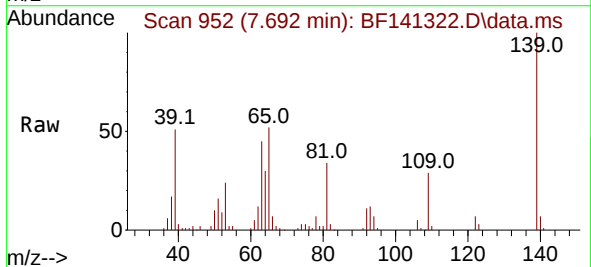
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 82 Resp: 207146
Ion Ratio Lower Upper
82 100
95 6.8 5.8 8.6
138 18.1 14.7 22.1



#26
2-Nitrophenol
Concen: 8.486 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion: 139 Resp: 53622
Ion Ratio Lower Upper
139 100
109 29.4 23.8 35.6
65 52.4 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 5.643 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

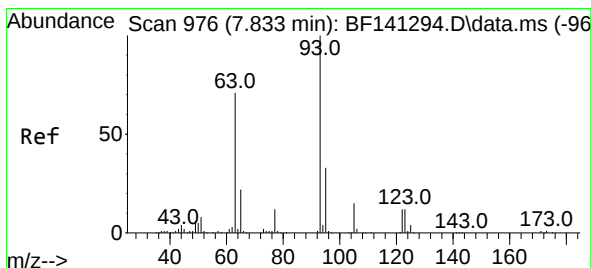
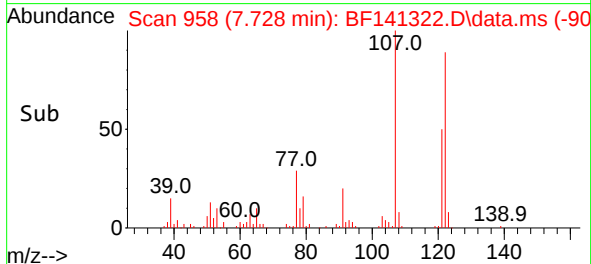
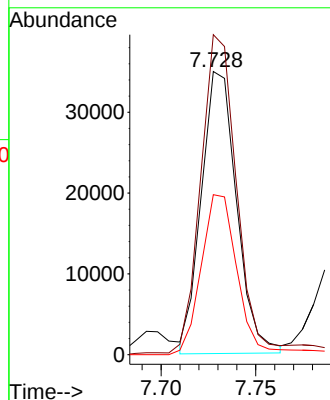
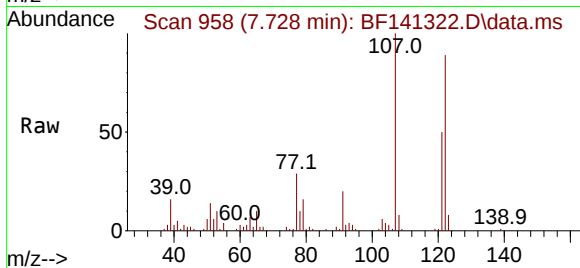
Tgt Ion:122 Resp: 45382

Ion Ratio Lower Upper

122 100

107 113.0 89.9 134.9

121 56.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 9.078 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

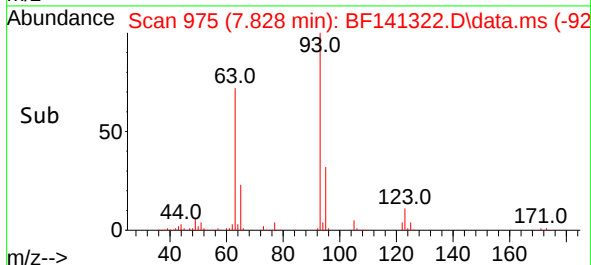
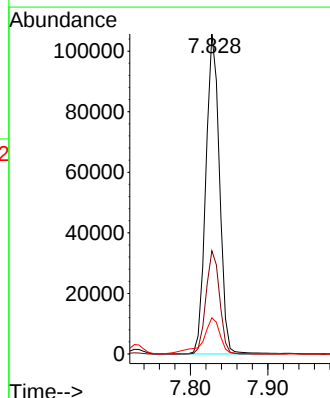
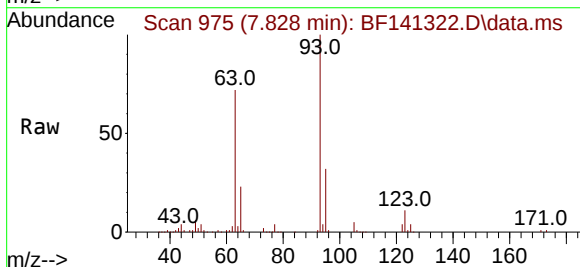
Tgt Ion: 93 Resp: 129405

Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 11.3 10.2 15.4

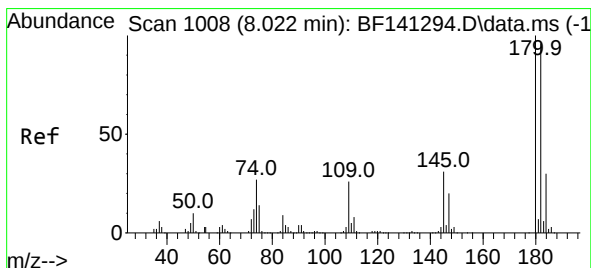
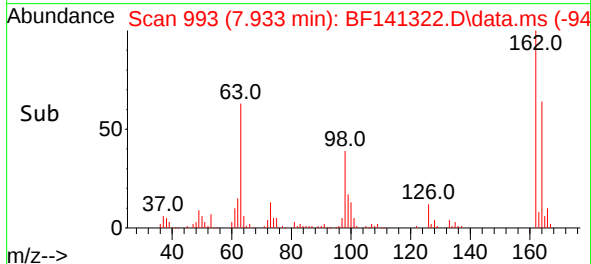
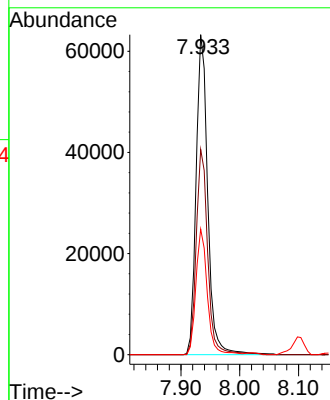
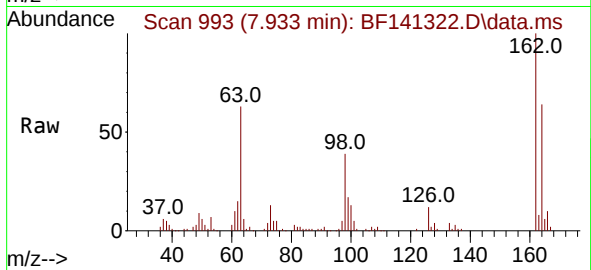




#29
2,4-Dichlorophenol
Concen: 8.827 ng
RT: 7.933 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

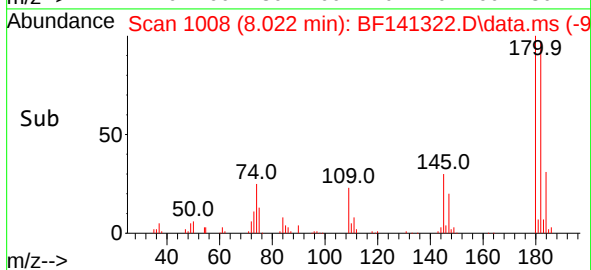
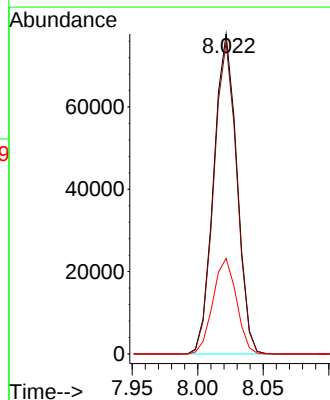
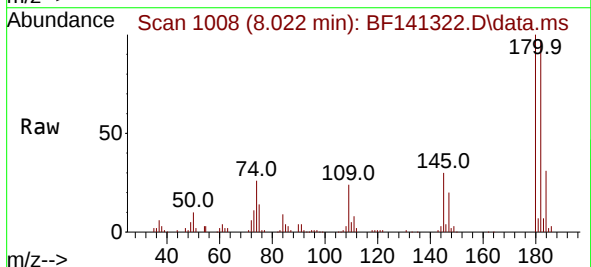
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

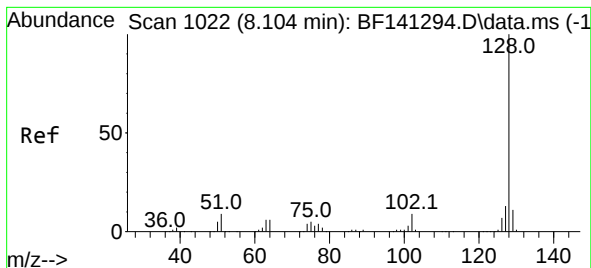
Tgt Ion:162 Resp: 86909
Ion Ratio Lower Upper
162 100
164 64.2 44.2 84.2
98 39.3 18.2 58.2



#30
1,2,4-Trichlorobenzene
Concen: 8.505 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:180 Resp: 95632
Ion Ratio Lower Upper
180 100
182 97.3 76.4 114.6
145 29.9 24.9 37.3





#31

Naphthalene

Concen: 8.855 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

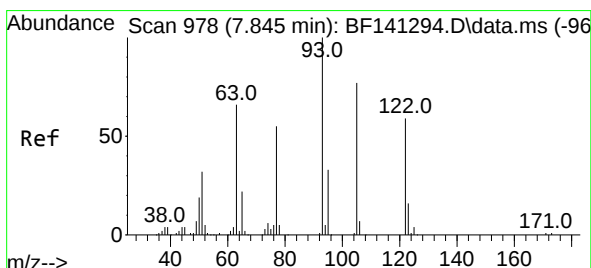
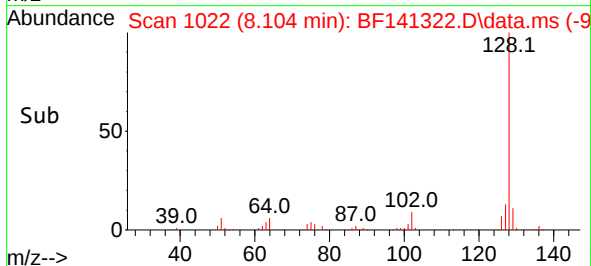
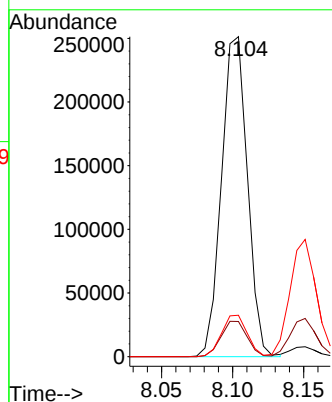
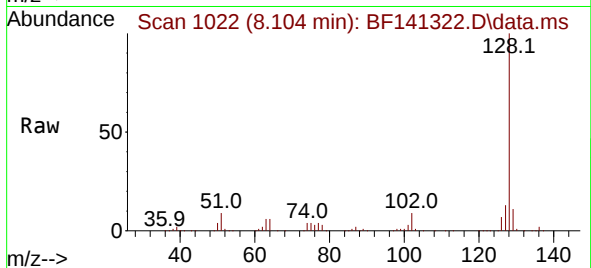
Tgt Ion:128 Resp: 318828

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

127 12.9 10.6 15.8



#32

Benzoic acid

Concen: 6.122 ng

RT: 7.804 min Scan# 971

Delta R.T. -0.077 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

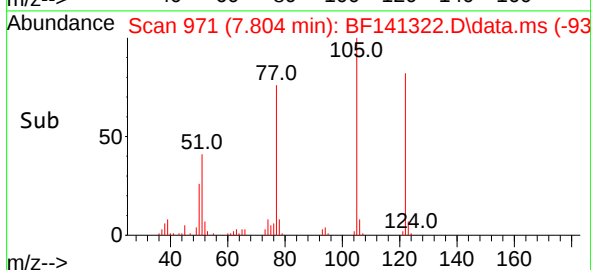
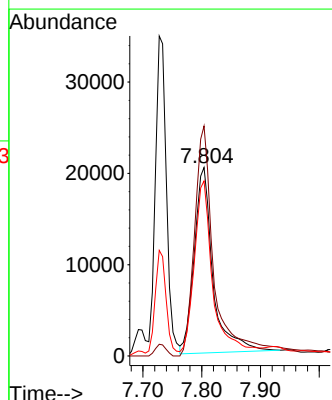
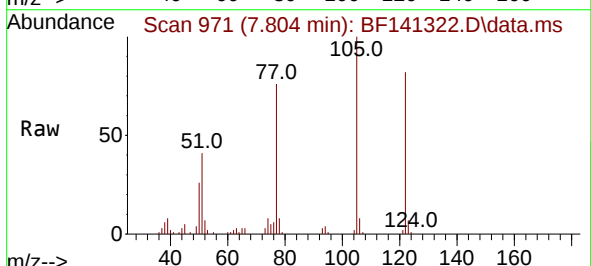
Tgt Ion:122 Resp: 45266

Ion Ratio Lower Upper

122 100

105 122.0 103.4 143.4

77 92.8 70.9 110.9

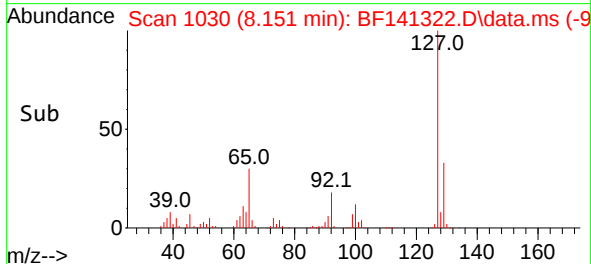
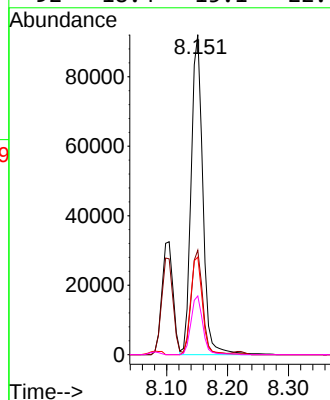
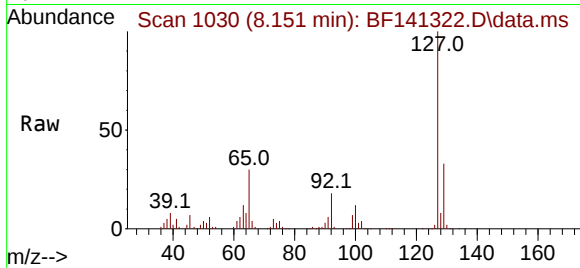




#33
4-Chloroaniline
Concen: 10.056 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

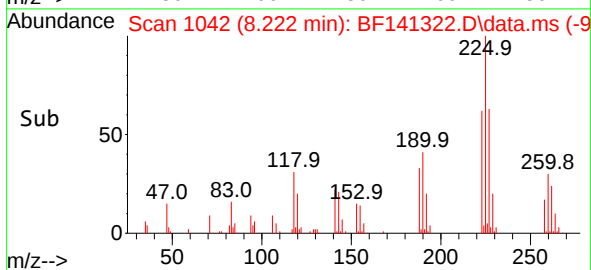
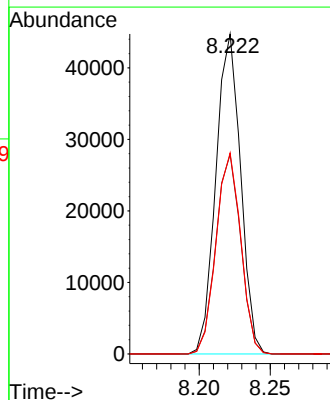
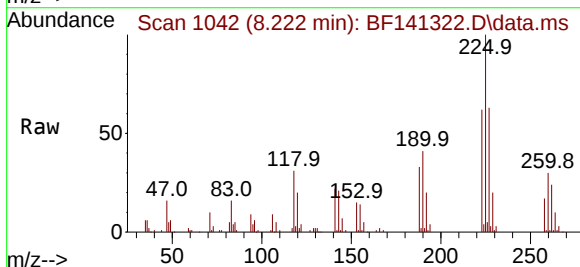
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

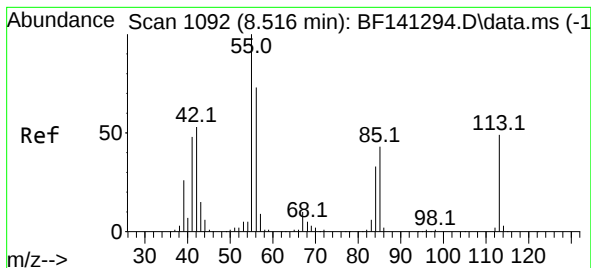
Tgt Ion:	127	Resp:	122782
Ion Ratio	Lower	Upper	
127	100		
129	32.7	25.7	38.5
65	30.5	26.4	39.6
92	18.4	15.1	22.7



#34
Hexachlorobutadiene
Concen: 8.206 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:	225	Resp:	54114
Ion Ratio	Lower	Upper	
225	100		
223	62.3	50.4	75.6
227	62.8	51.3	76.9





#35

Caprolactam

Concen: 8.792 ng

RT: 8.486 min Scan# 1092

Delta R.T. -0.059 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

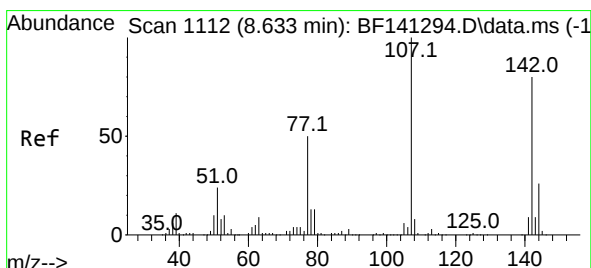
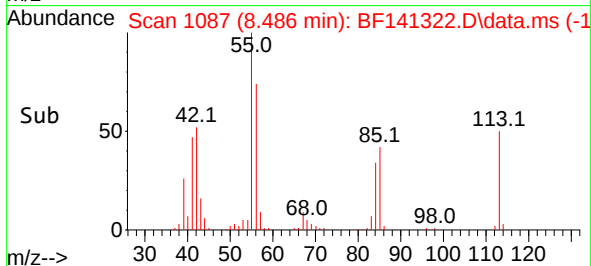
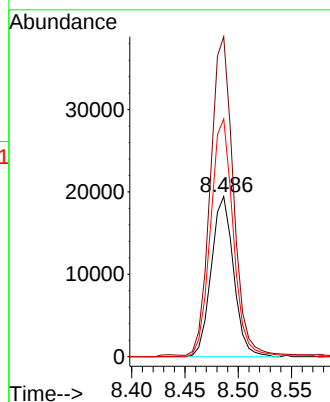
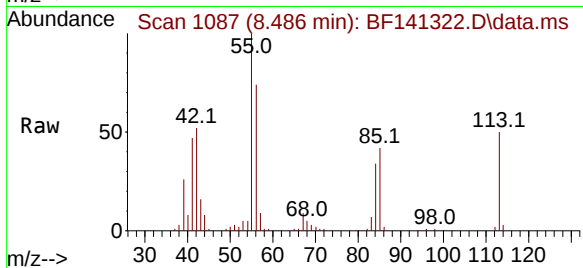
Tgt Ion:113 Resp: 28272

Ion Ratio Lower Upper

113 100

55 199.8 182.9 222.9

56 148.4 127.9 167.9



#36

4-Chloro-3-methylphenol

Concen: 9.246 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

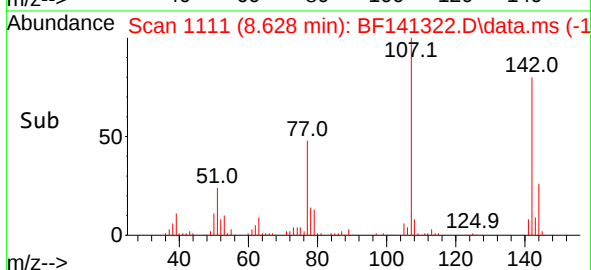
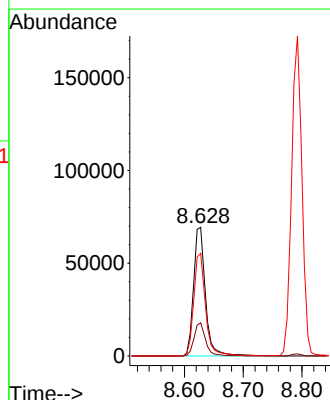
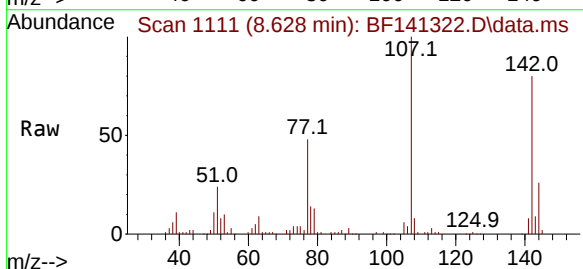
Tgt Ion:107 Resp: 97649

Ion Ratio Lower Upper

107 100

144 25.7 20.7 31.1

142 79.8 63.8 95.8

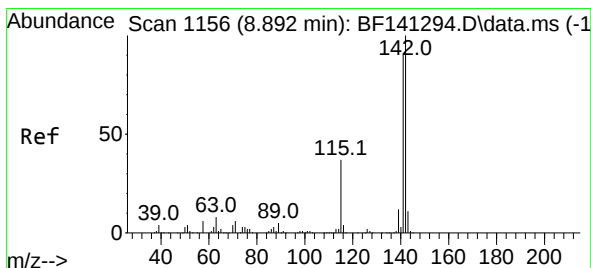
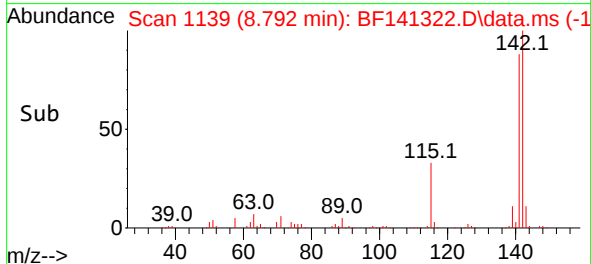
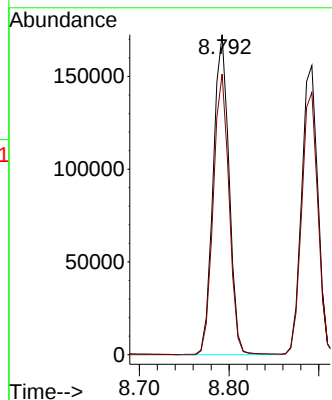
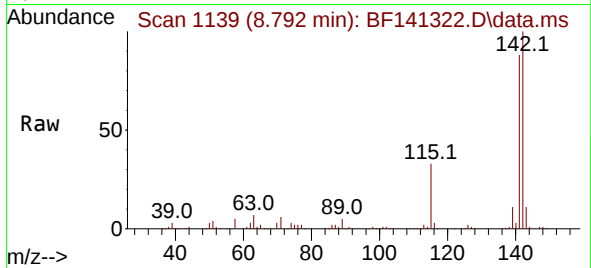




#37
2-Methylnaphthalene
Concen: 9.266 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

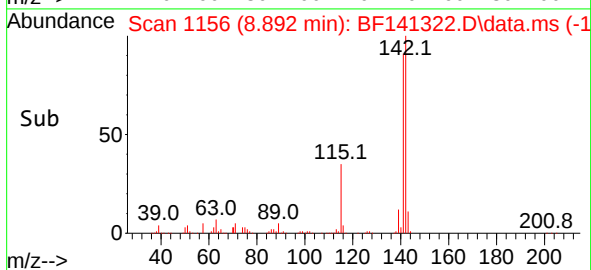
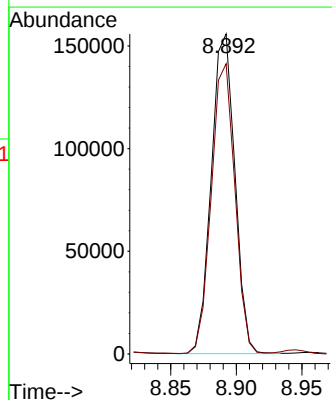
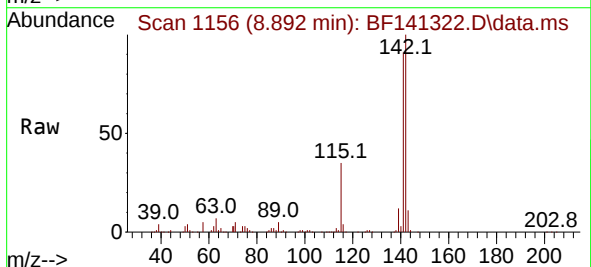
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:142 Resp: 212049
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9



#38
1-Methylnaphthalene
Concen: 8.675 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:142 Resp: 194998
Ion Ratio Lower Upper
142 100
141 90.7 73.2 109.8

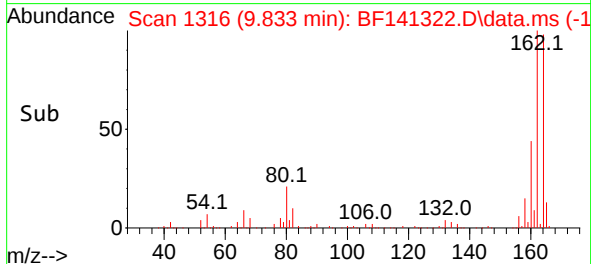
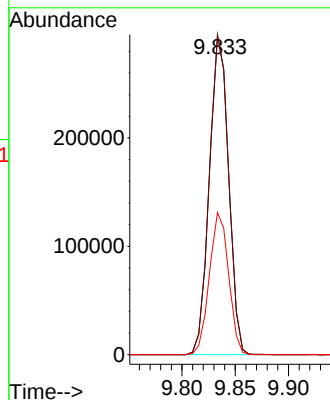
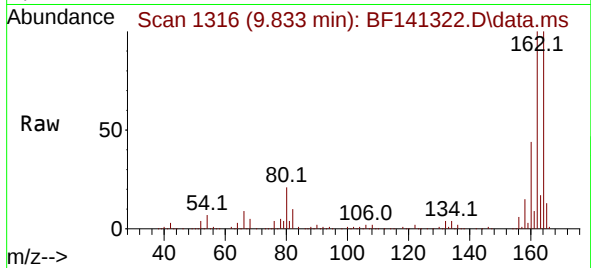




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

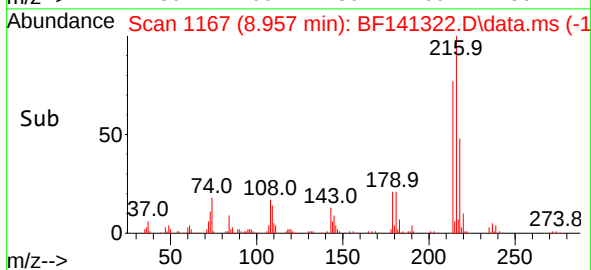
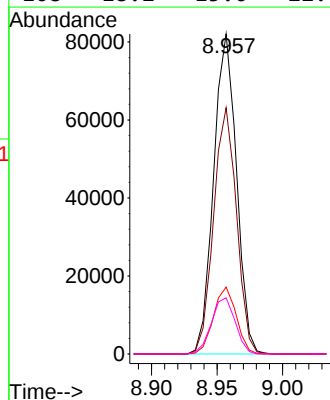
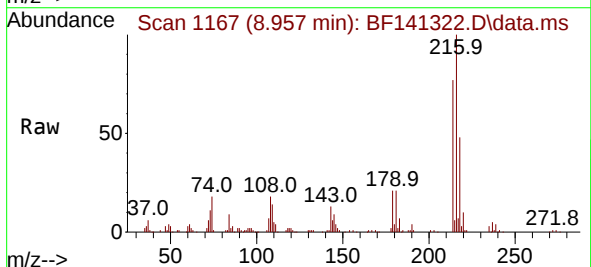
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:164 Resp: 368687
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 44.5 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.480 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

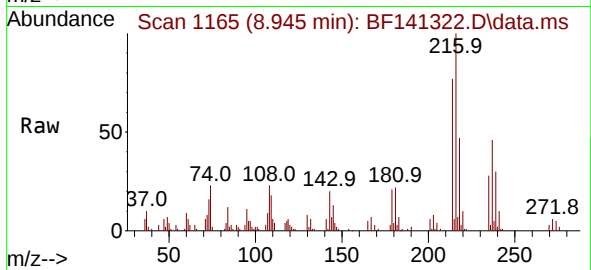
Tgt Ion:216 Resp: 99430
Ion Ratio Lower Upper
216 100
214 77.0 63.2 94.8
179 20.8 17.8 26.8
108 18.2 15.0 22.6



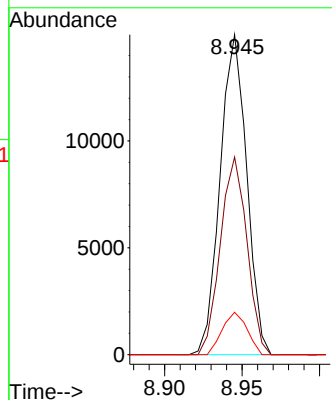
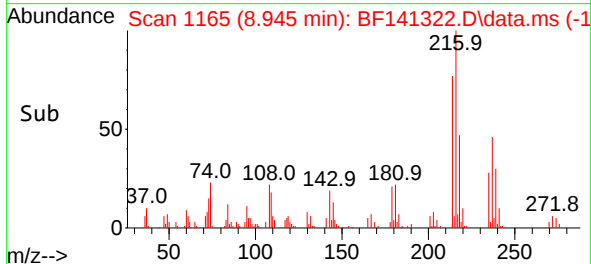


#41
Hexachlorocyclopentadiene
Concen: 5.762 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

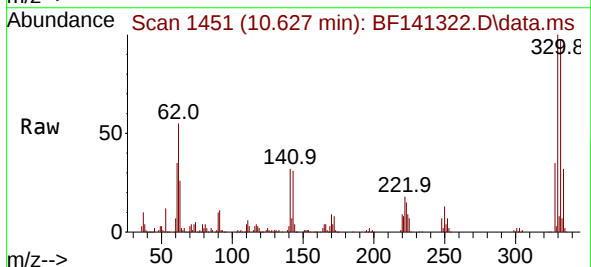
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025



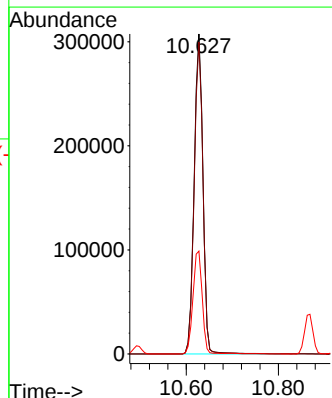
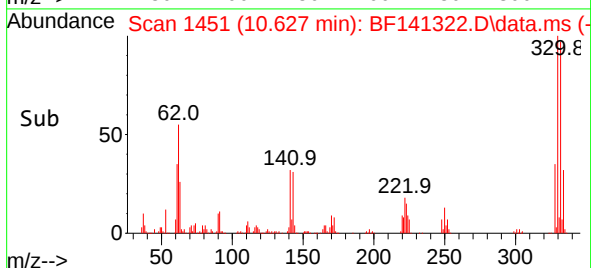
Tgt Ion: 237 Resp: 17850
Ion Ratio Lower Upper
237 100
235 61.8 42.9 82.9
272 13.2 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 119.934 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42



Tgt Ion: 330 Resp: 405378
Ion Ratio Lower Upper
330 100
332 97.0 76.1 114.1
141 33.8 28.8 43.2

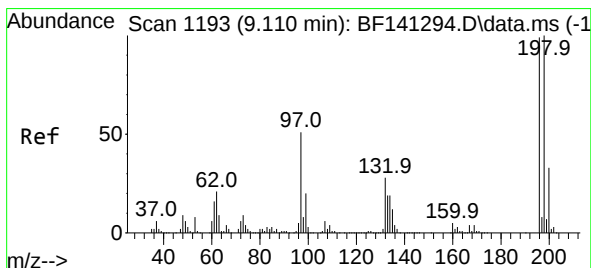
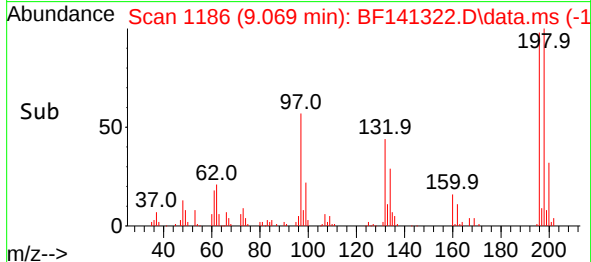
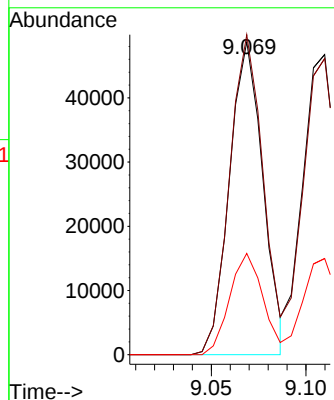
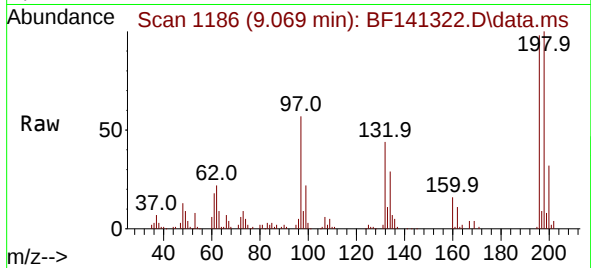




#43
2,4,6-Trichlorophenol
Concen: 8.741 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

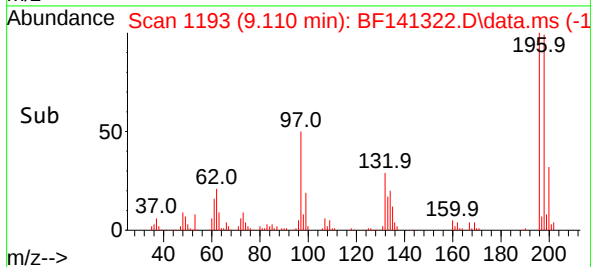
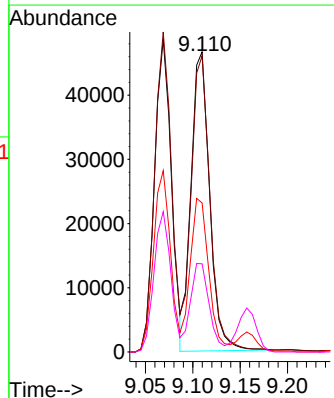
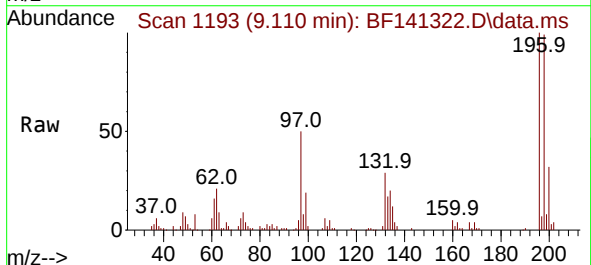
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

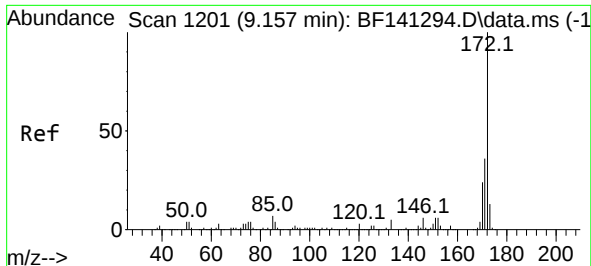
Tgt Ion:196 Resp: 60008
Ion Ratio Lower Upper
196 100
198 102.3 81.8 122.6
200 32.4 26.3 39.5



#44
2,4,5-Trichlorophenol
Concen: 8.533 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:196 Resp: 63762
Ion Ratio Lower Upper
196 100
198 98.7 80.5 120.7
97 49.6 42.8 64.2
132 29.3 23.5 35.3

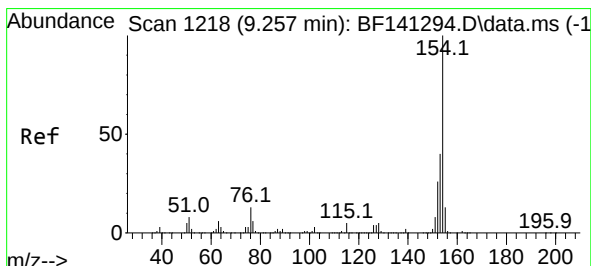
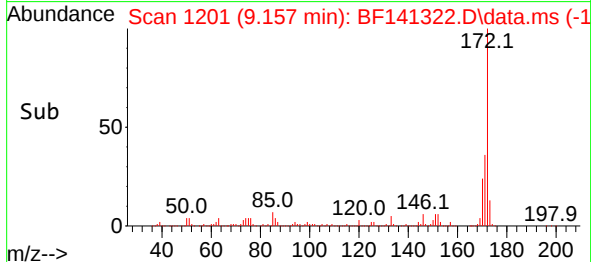
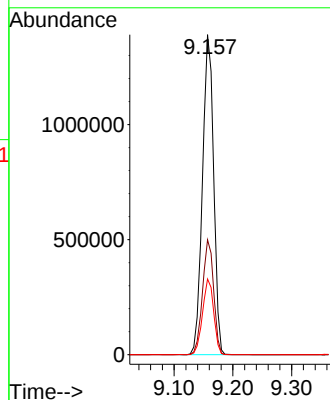
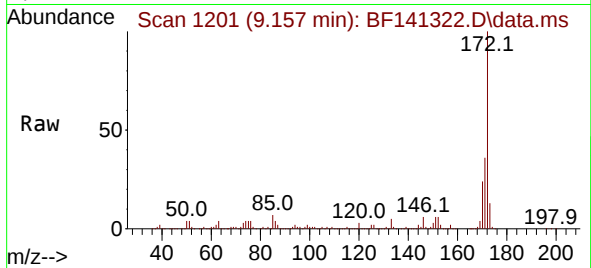




#45
2-Fluorobiphenyl
Concen: 76.825 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

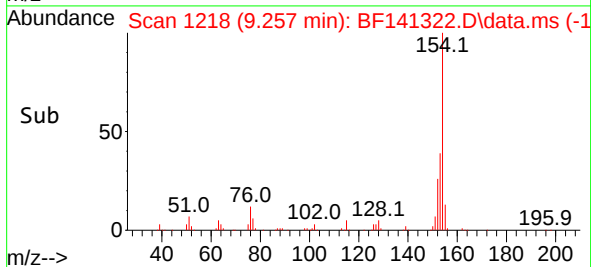
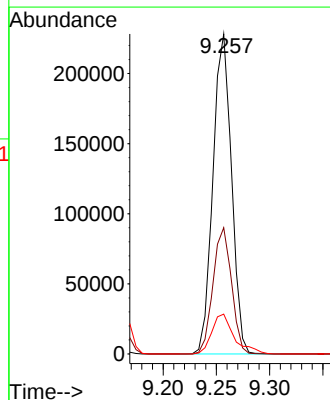
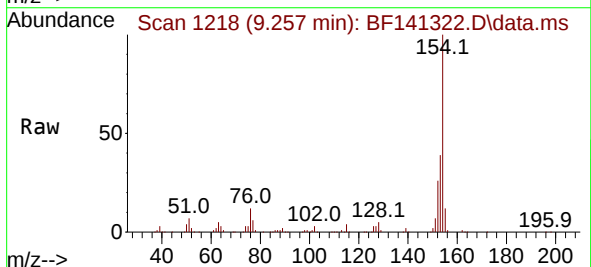
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

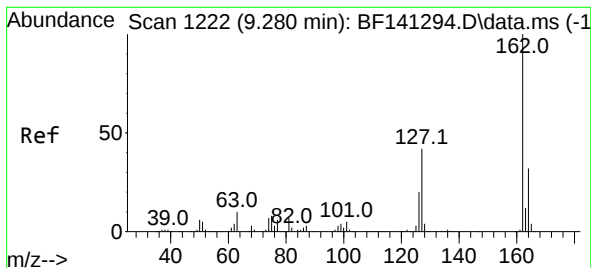
Tgt Ion:172 Resp: 1840216
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.6 19.0 28.6



#46
1,1'-Biphenyl
Concen: 9.612 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:154 Resp: 276364
Ion Ratio Lower Upper
154 100
153 39.4 20.0 60.0
76 12.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 8.741 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

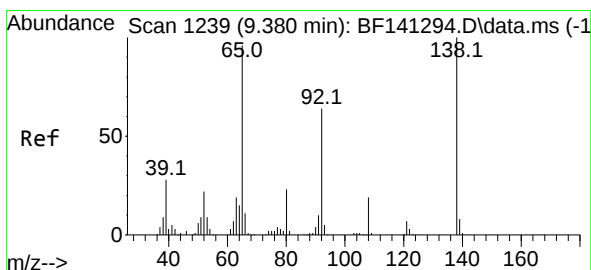
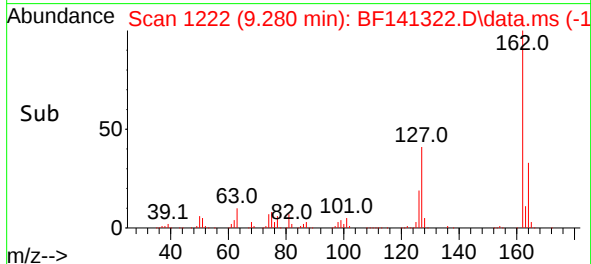
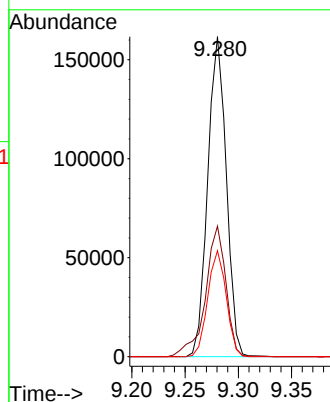
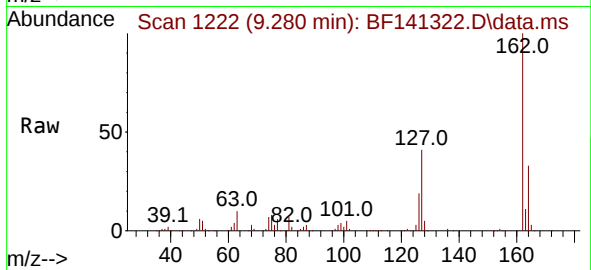
Tgt Ion:162 Resp: 195909

Ion Ratio Lower Upper

162 100

127 40.8 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 8.750 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

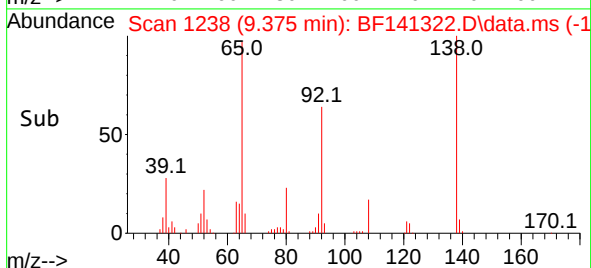
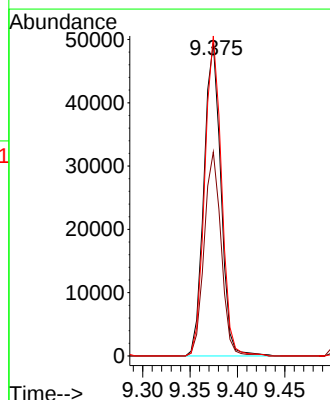
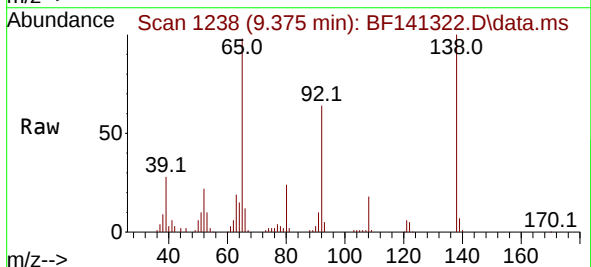
Tgt Ion: 65 Resp: 61682

Ion Ratio Lower Upper

65 100

92 65.2 53.3 79.9

138 102.2 83.6 125.4

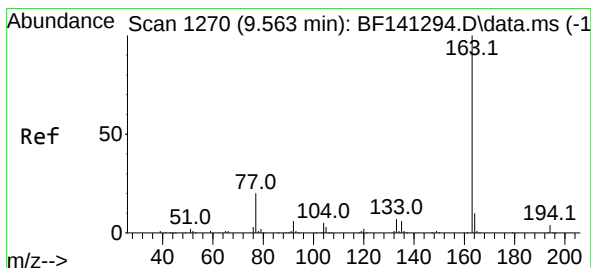
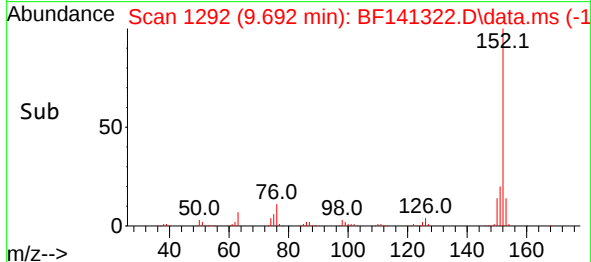
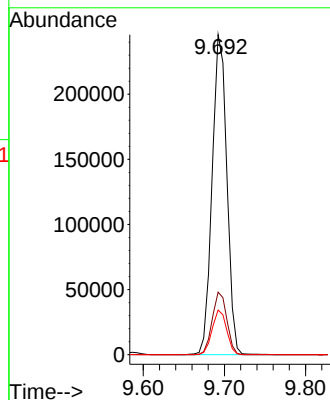
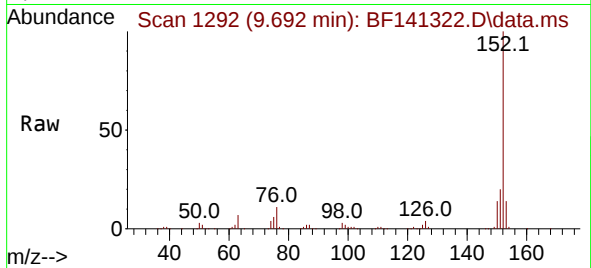




#49
Acenaphthylene
Concen: 9.837 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

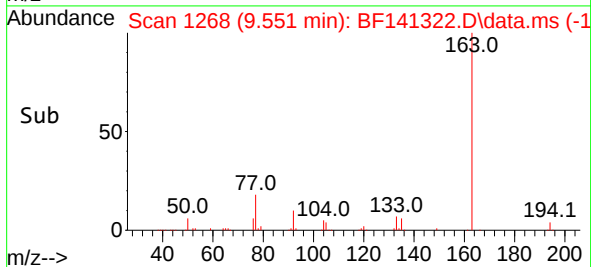
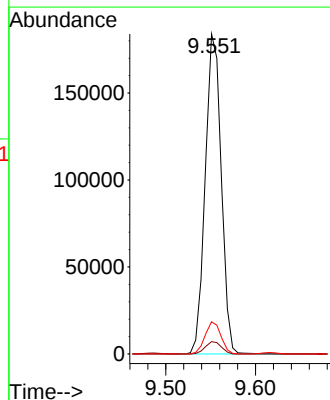
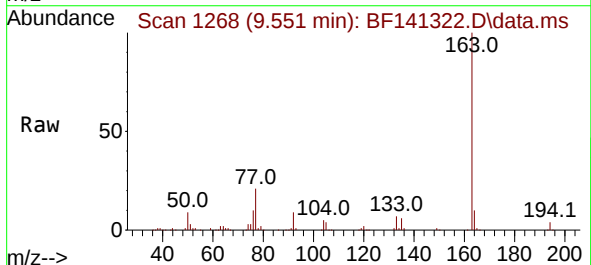
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:152 Resp: 308621
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 14.0 11.0 16.6



#50
Dimethylphthalate
Concen: 9.150 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:163 Resp: 227848
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.507 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

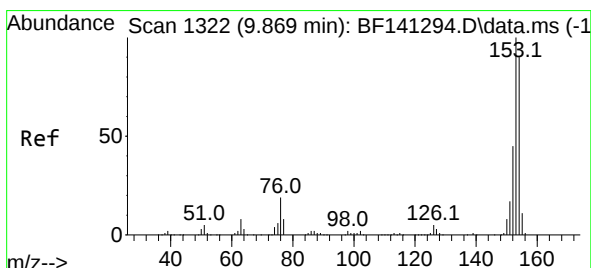
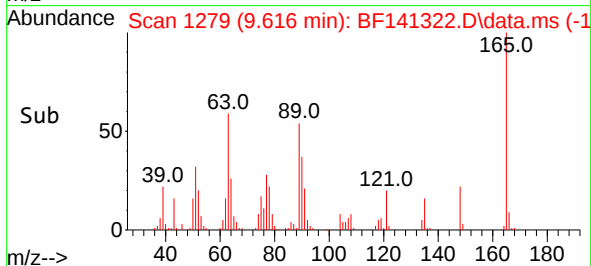
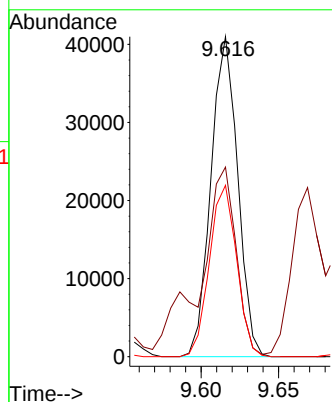
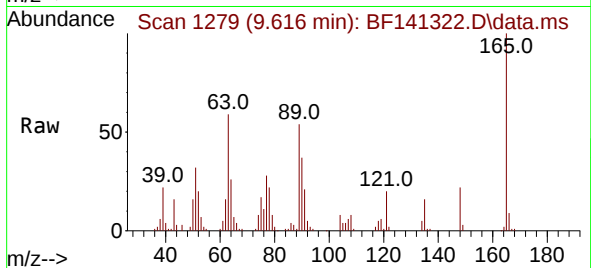
Tgt Ion:165 Resp: 49183

Ion Ratio Lower Upper

165 100

63 59.3 48.1 72.1

89 53.6 44.9 67.3



#52

Acenaphthene

Concen: 9.042 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

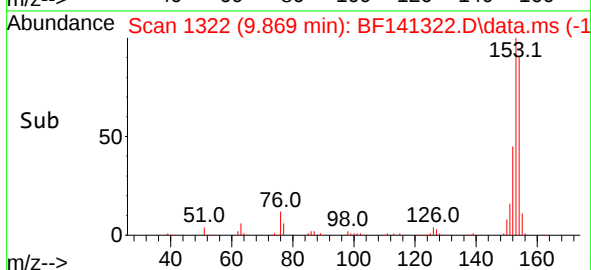
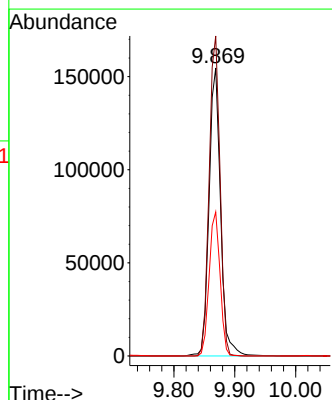
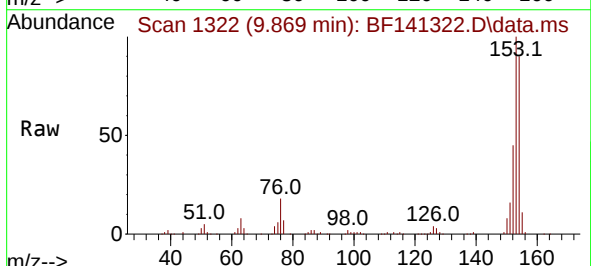
Tgt Ion:154 Resp: 202650

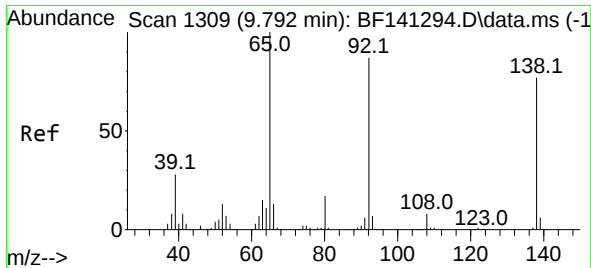
Ion Ratio Lower Upper

154 100

153 111.1 89.0 133.4

152 50.0 40.2 60.4

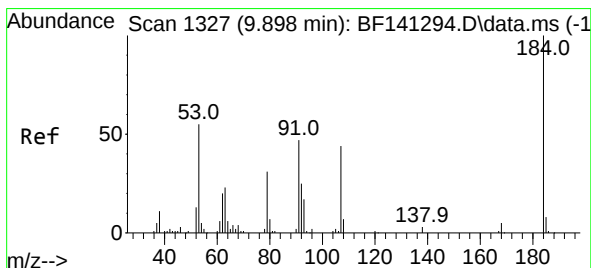
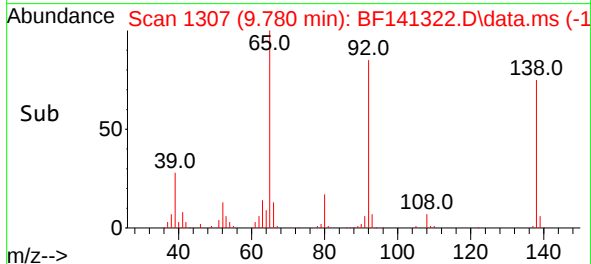
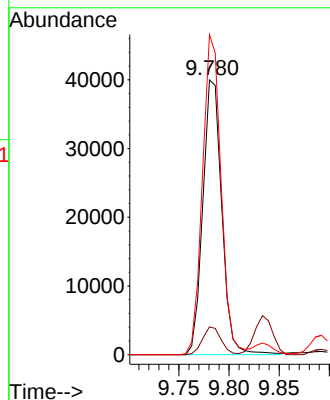
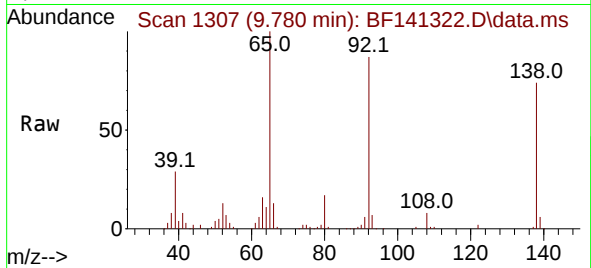




#53
3-Nitroaniline
Concen: 9.312 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

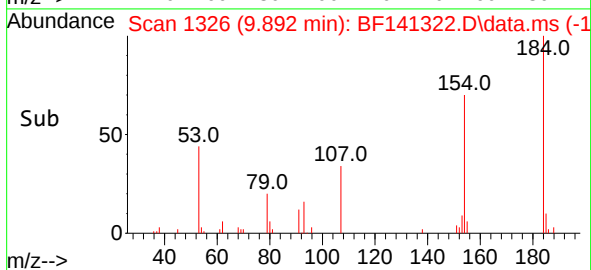
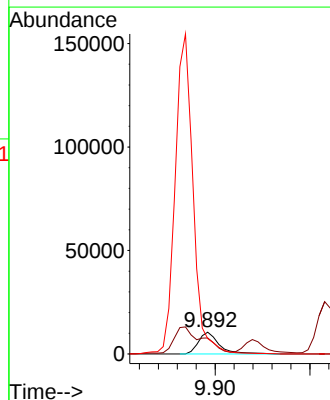
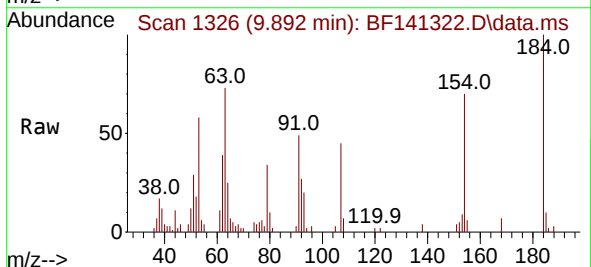
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

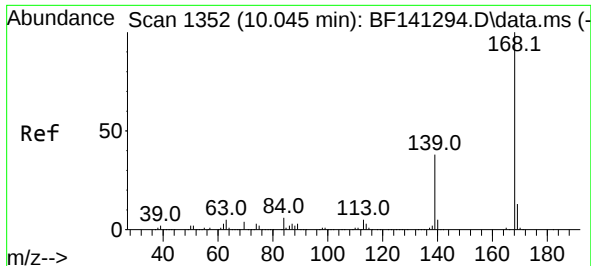
Tgt Ion:	138	Resp:	52768
Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.6	12.8
92	116.5	91.0	136.6



#54
2,4-Dinitrophenol
Concen: 5.907 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:	184	Resp:	15875
Ion	Ratio	Lower	Upper
184	100		
63	73.5	54.1	81.1
154	70.1	50.7	76.1

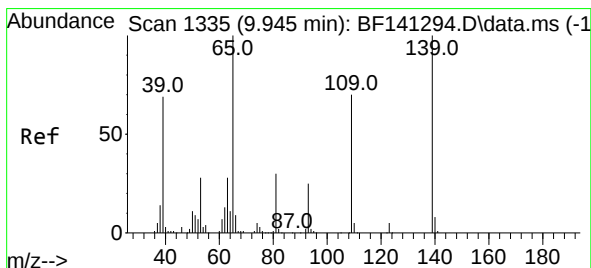
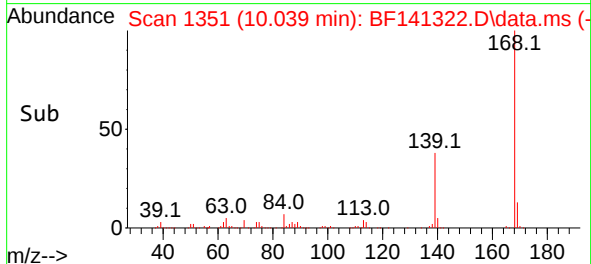
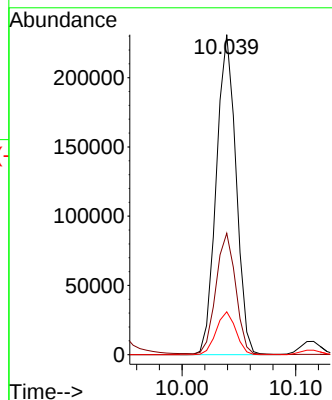
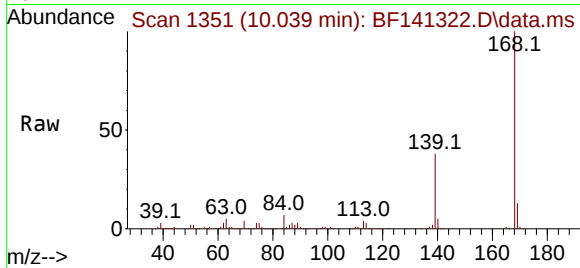




#55
Dibenzenofuran
Concen: 9.298 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

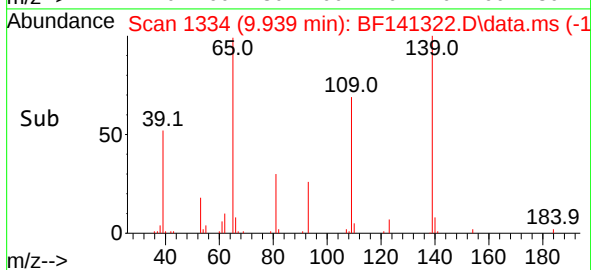
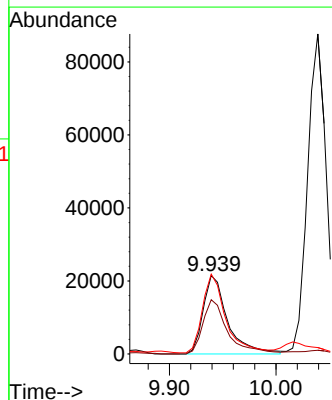
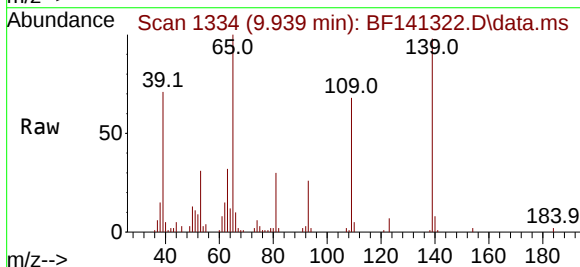
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

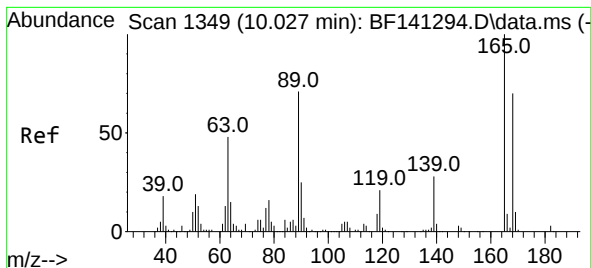
Tgt Ion:168 Resp: 278929
Ion Ratio Lower Upper
168 100
139 37.9 30.6 46.0
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 8.301 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.018 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:139 Resp: 34403
Ion Ratio Lower Upper
139 100
109 69.1 50.2 90.2
65 101.7 80.6 120.6

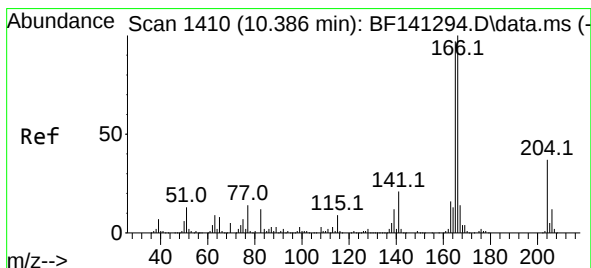
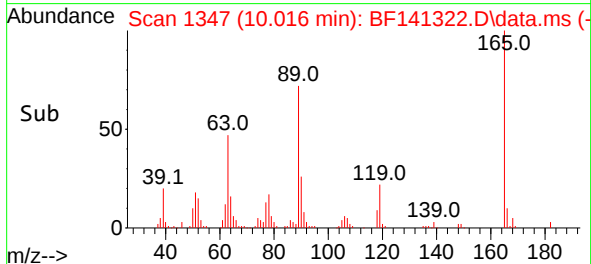
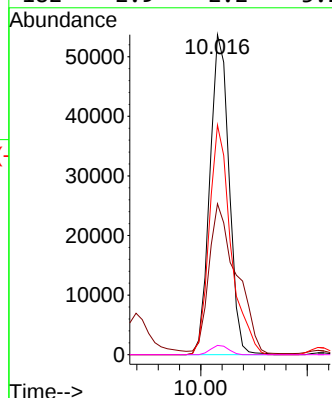
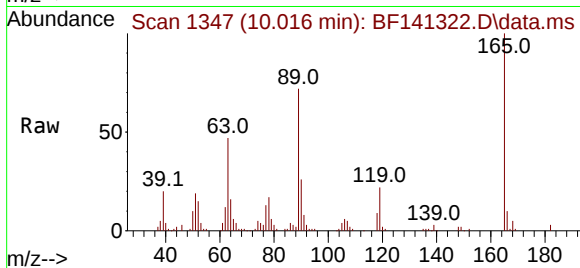




#57
2,4-Dinitrotoluene
Concen: 8.977 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

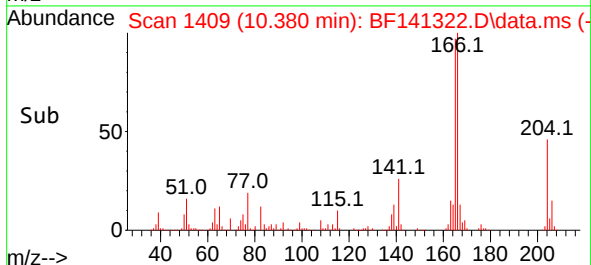
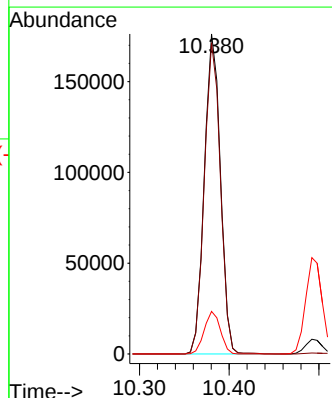
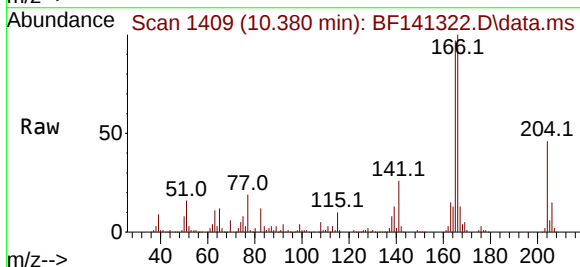
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

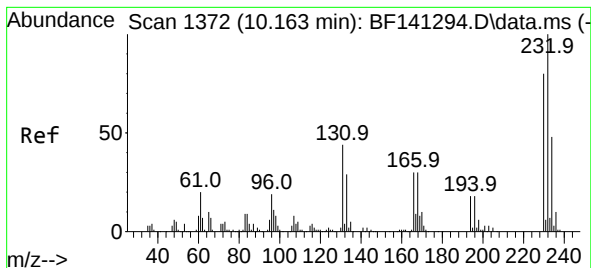
Tgt Ion:165	Resp:	67198	
Ion	Ratio	Lower	Upper
165	100		
63	47.2	39.2	58.8
89	71.7	56.9	85.3
182	2.9	2.2	3.2



#58
Fluorene
Concen: 9.426 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:166	Resp:	219348	
Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.5	116.3
167	13.3	10.9	16.3

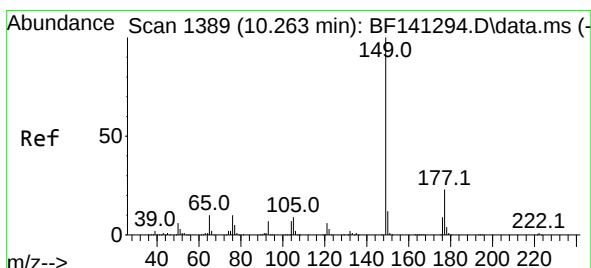
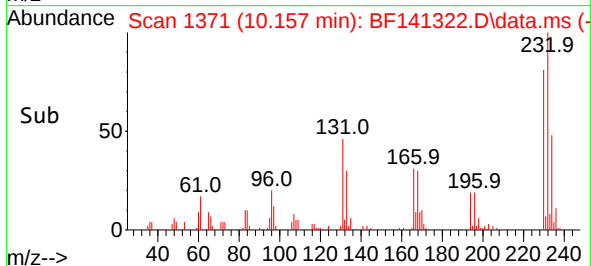
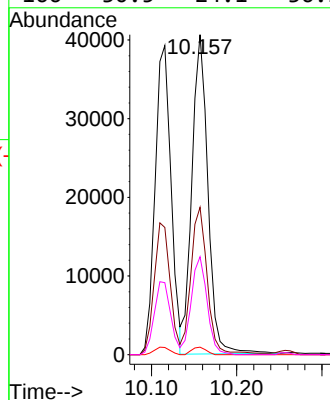
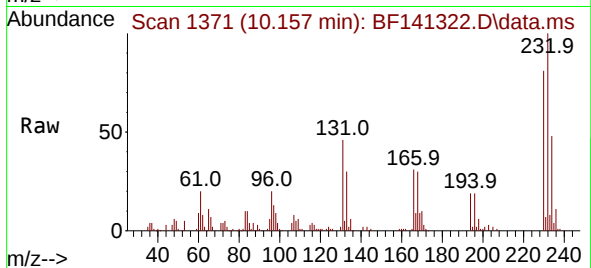




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.992 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

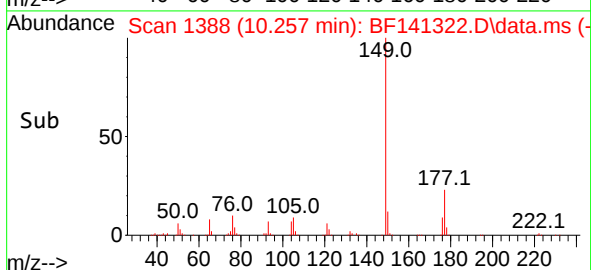
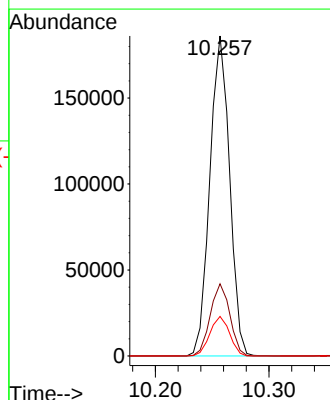
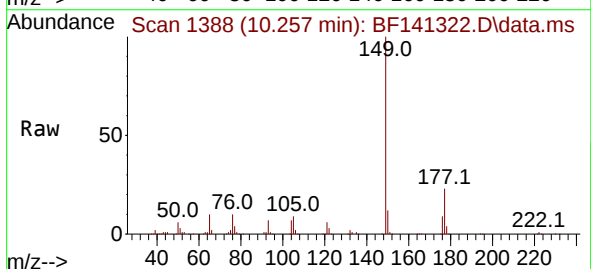
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

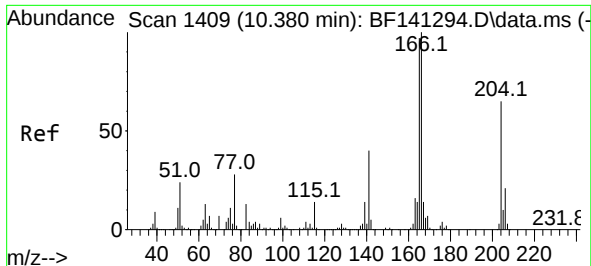
Tgt Ion:232 Resp: 52856
Ion Ratio Lower Upper
232 100
131 47.7 36.4 54.6
130 2.1 1.9 2.9
166 30.5 24.1 36.1



#60
Diethylphthalate
Concen: 9.304 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:149 Resp: 224628
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.3 10.0 15.0





#61

4-Chlorophenyl-phenylether

Concen: 9.392 ng

RT: 10.374 min Scan# 1409

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

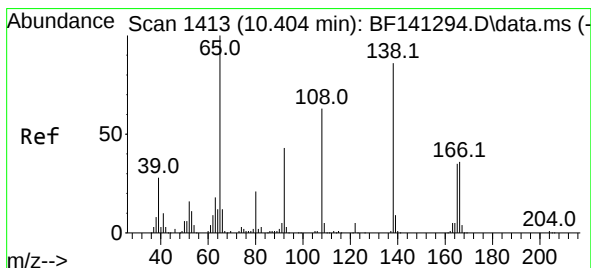
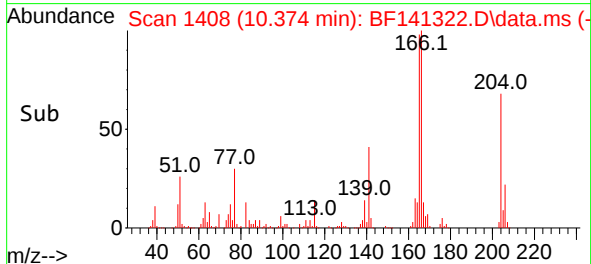
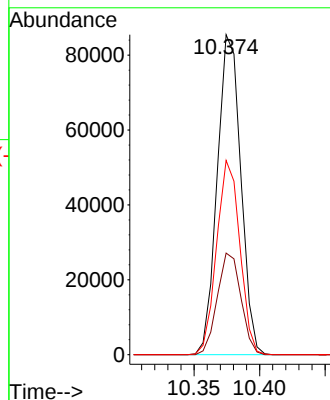
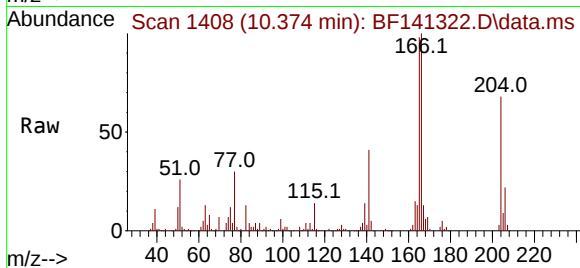
Tgt Ion:204 Resp: 106764

Ion Ratio Lower Upper

204 100

206 31.8 25.9 38.9

141 60.7 49.5 74.3



#62

4-Nitroaniline

Concen: 8.350 ng

RT: 10.392 min Scan# 1411

Delta R.T. -0.024 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

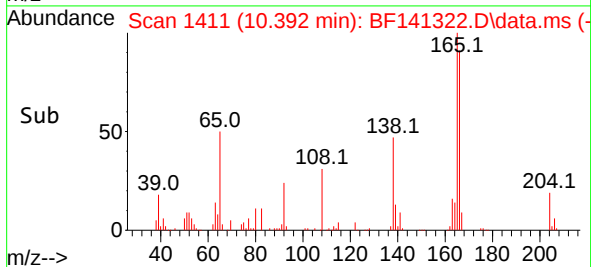
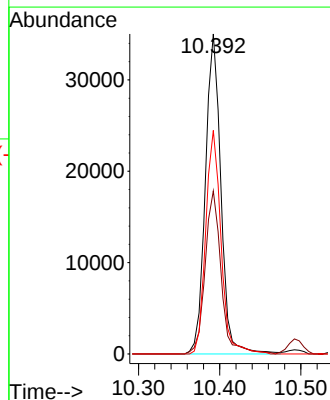
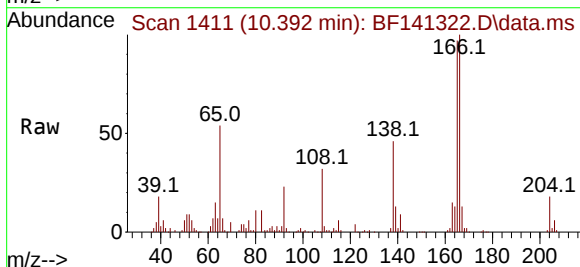
Tgt Ion:138 Resp: 46519

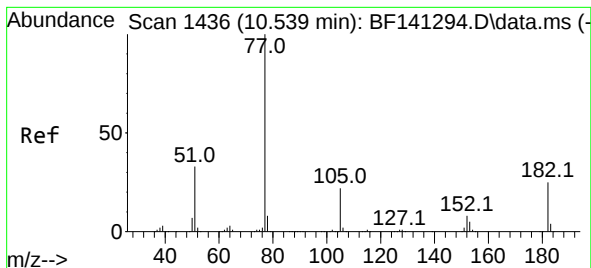
Ion Ratio Lower Upper

138 100

92 51.0 30.1 70.1

108 69.8 53.1 93.1





#63

Azobenzene

Concen: 9.178 ng

RT: 10.539 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 77 Resp: 221811

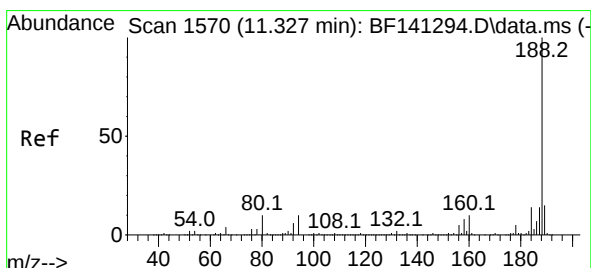
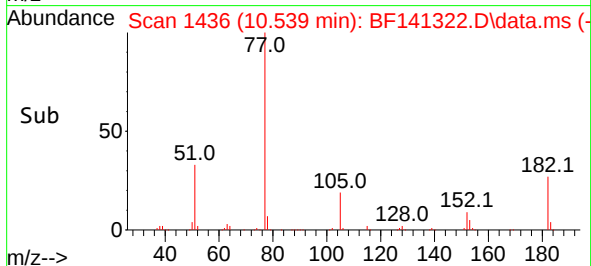
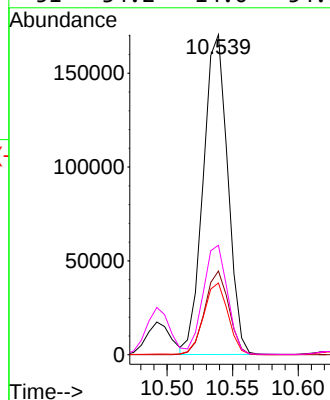
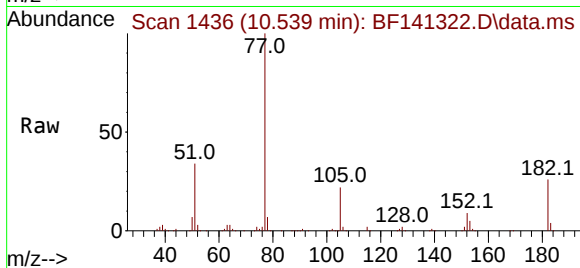
Ion Ratio Lower Upper

77 100

182 26.2 5.1 45.1

105 22.4 1.8 41.8

51 34.2 14.0 54.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

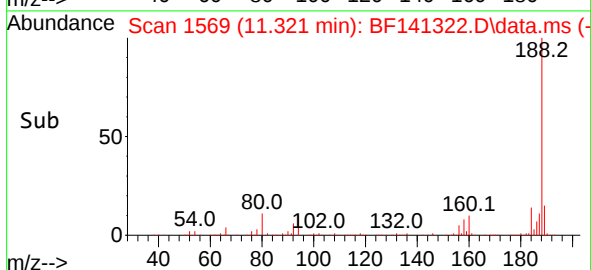
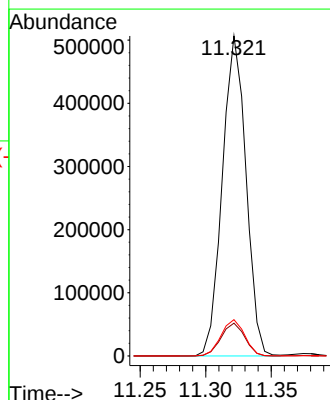
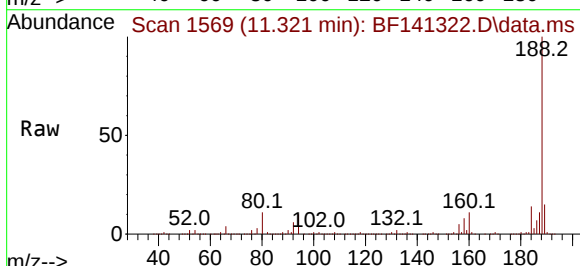
Tgt Ion:188 Resp: 635883

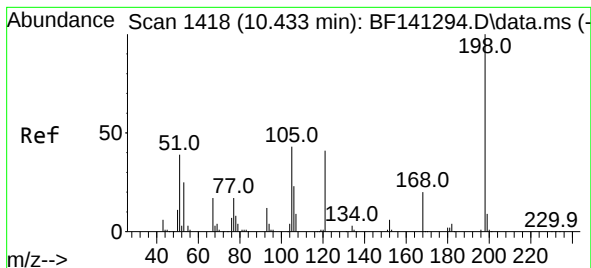
Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

80 11.4 8.2 12.4

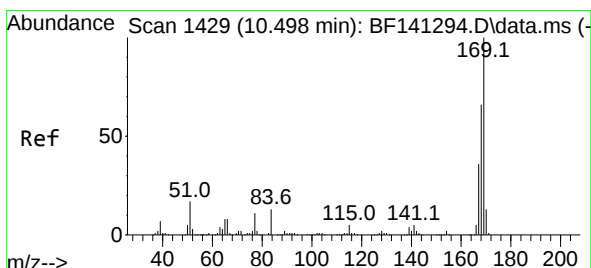
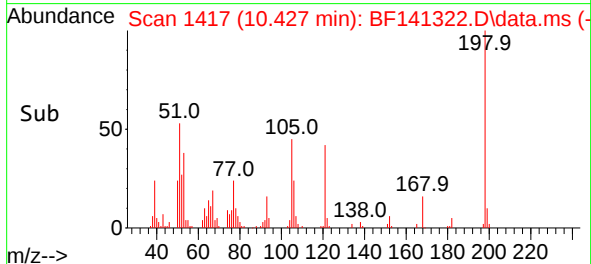
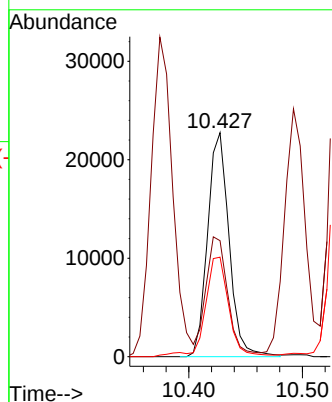
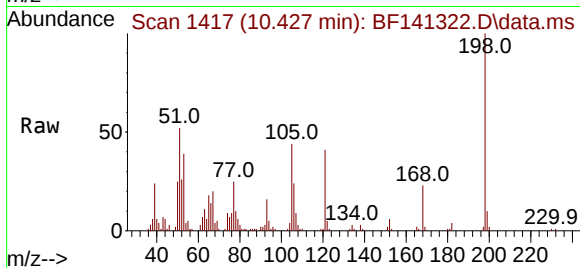




#65
4,6-Dinitro-2-methylphenol
Concen: 7.932 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

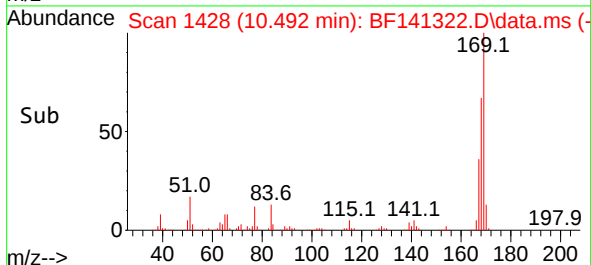
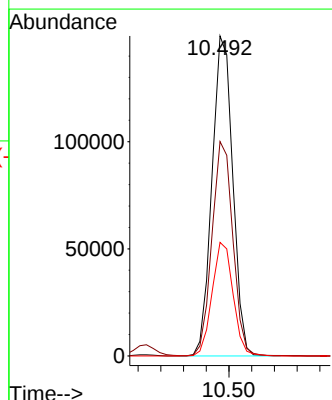
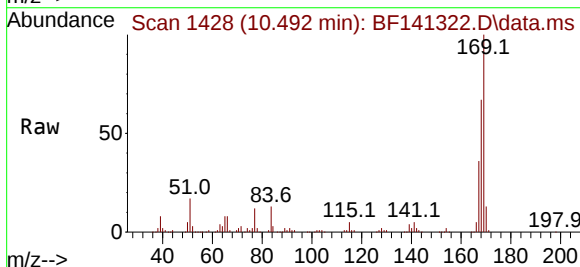
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

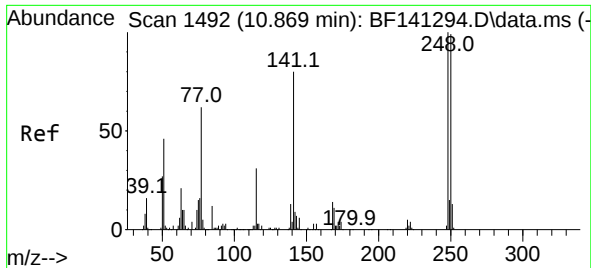
Tgt Ion:198 Resp: 29835
Ion Ratio Lower Upper
198 100
51 51.8 33.4 73.4
105 44.5 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 9.211 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:169 Resp: 189434
Ion Ratio Lower Upper
169 100
168 67.0 53.0 79.4
167 35.5 28.8 43.2

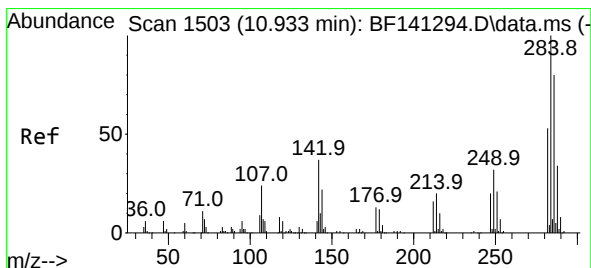
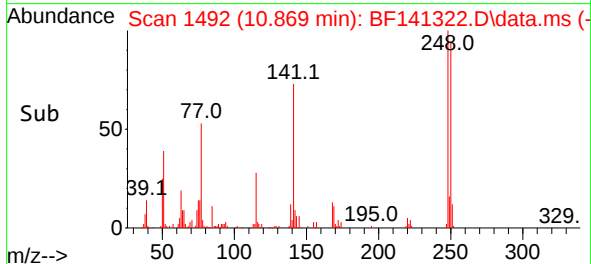
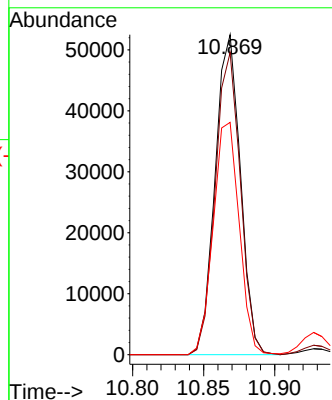
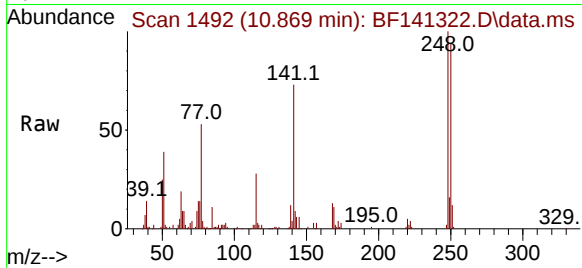




#67
4-Bromophenyl-phenylether
Concen: 9.119 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

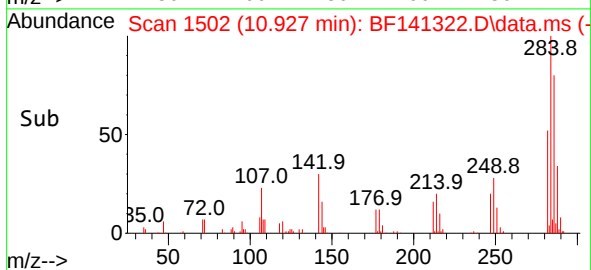
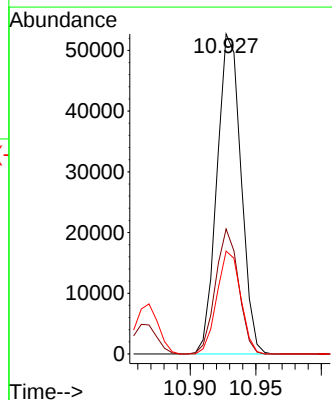
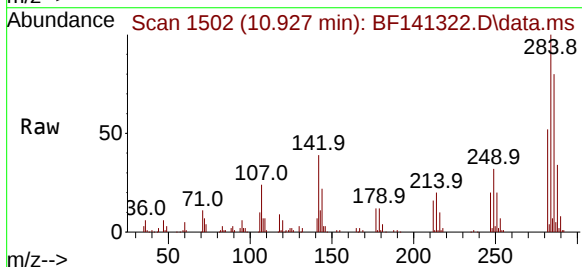
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:248 Resp: 64920
Ion Ratio Lower Upper
248 100
250 94.4 79.0 118.4
141 72.6 63.7 95.5



#68
Hexachlorobenzene
Concen: 8.880 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:284 Resp: 67059
Ion Ratio Lower Upper
284 100
142 39.1 29.5 44.3
249 32.1 25.4 38.2





#69

Atrazine

Concen: 9.046 ng

RT: 11.022 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

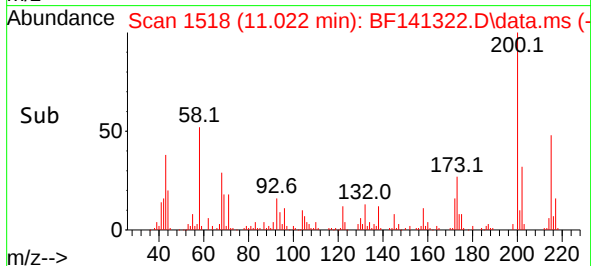
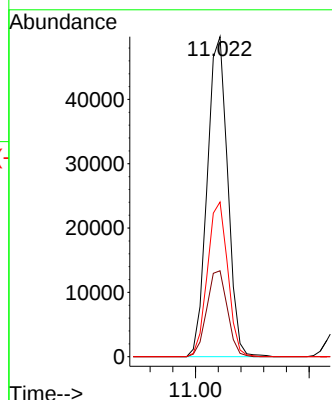
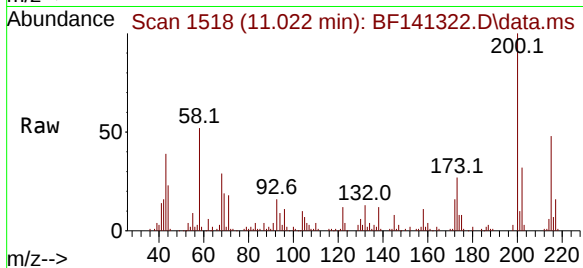
Tgt Ion:200 Resp: 62202

Ion Ratio Lower Upper

200 100

173 26.9 5.9 45.9

215 48.4 25.2 65.2



#70

Pentachlorophenol

Concen: 8.377 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

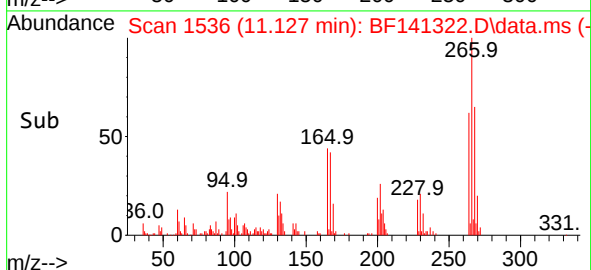
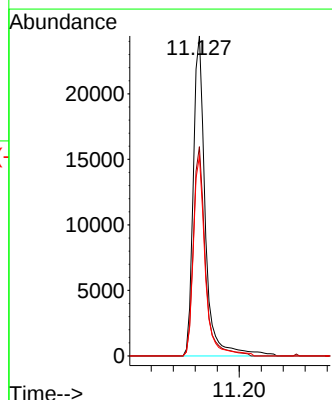
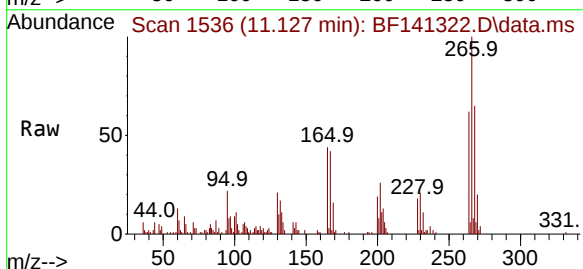
Tgt Ion:266 Resp: 37041

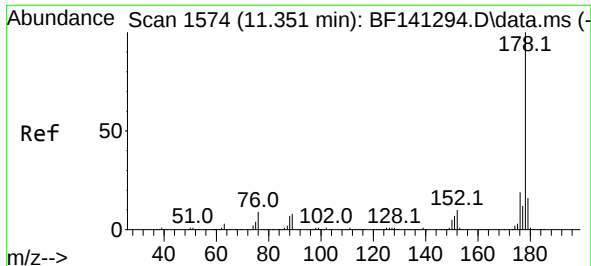
Ion Ratio Lower Upper

266 100

268 65.4 49.9 74.9

264 62.4 51.0 76.4

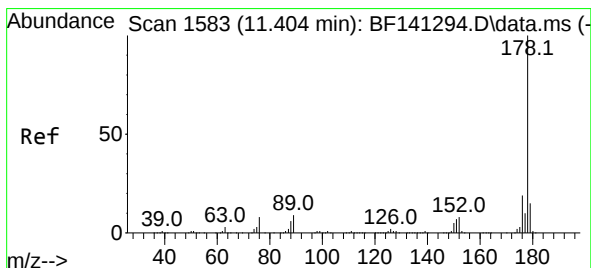
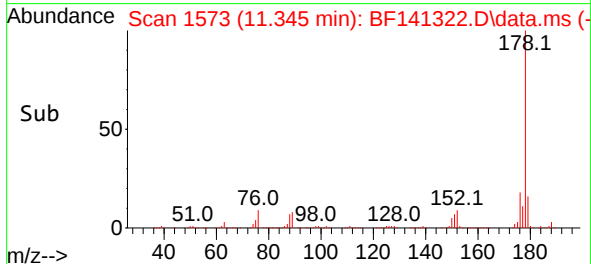
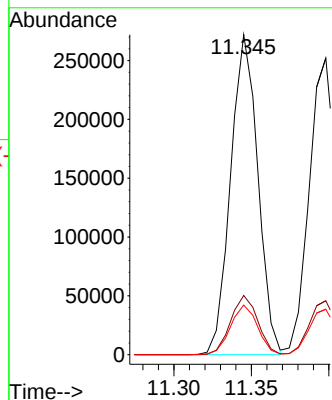
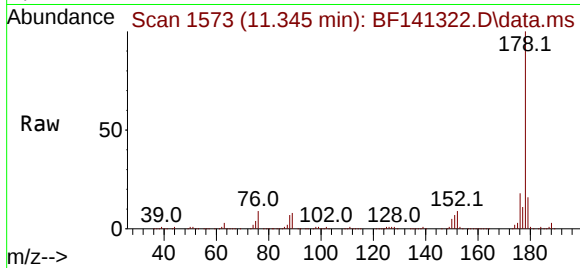




#71
Phenanthrene
Concen: 9.725 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

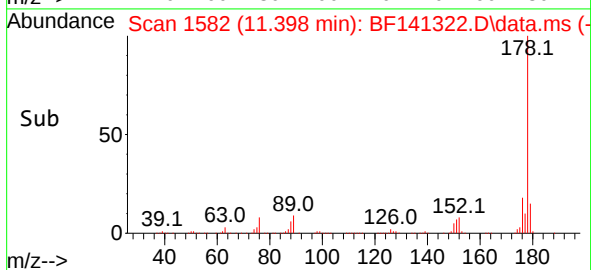
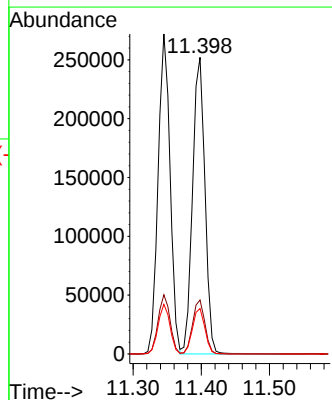
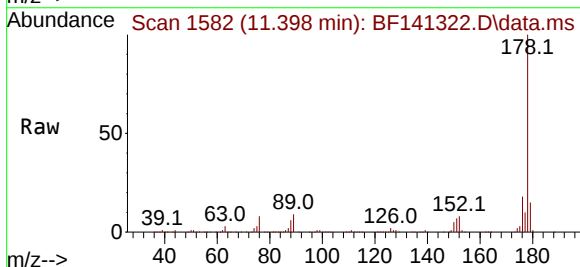
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:178 Resp: 332426
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 9.459 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:178 Resp: 316794
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.3 12.3 18.5

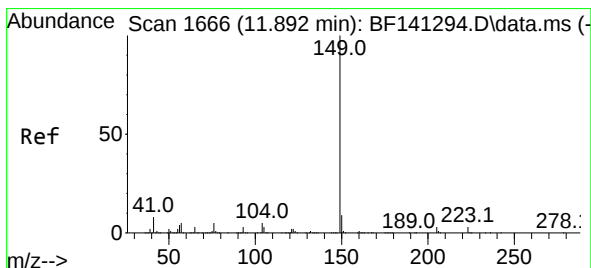
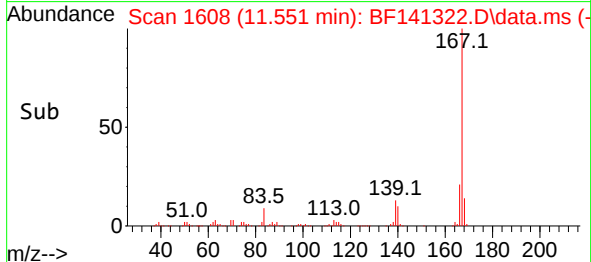
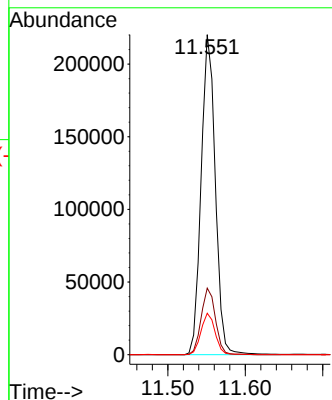
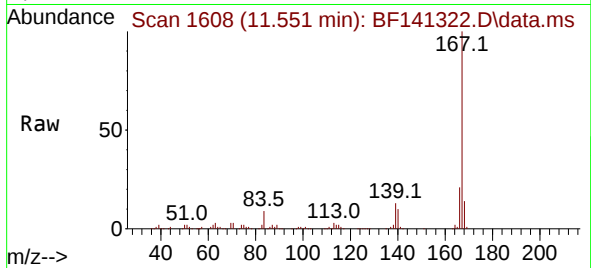




#73
 Carbazole
 Concen: 9.422 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141322.D
 Acq: 31 Jan 2025 10:42

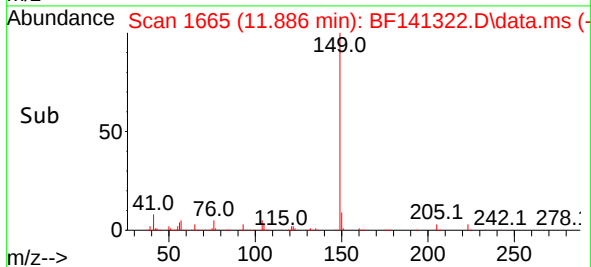
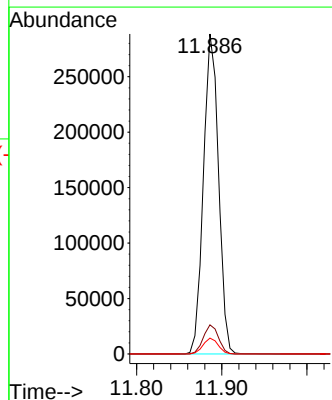
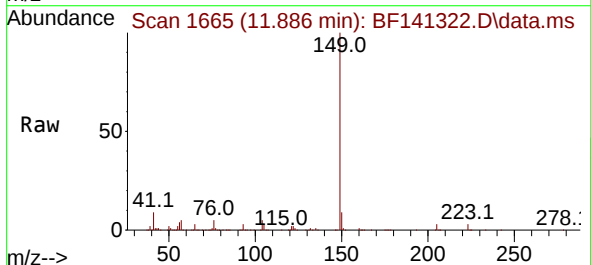
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

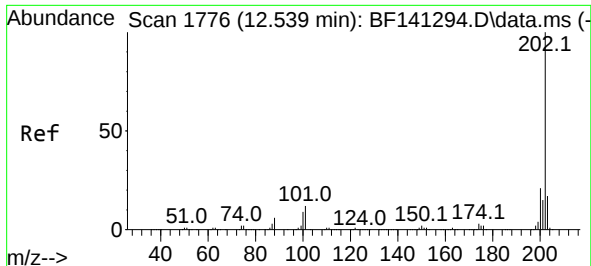
Tgt Ion:167 Resp: 279813
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.0 25.6
 139 13.0 10.6 16.0



#74
 Di-n-butylphthalate
 Concen: 9.878 ng
 RT: 11.886 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF141322.D
 Acq: 31 Jan 2025 10:42

Tgt Ion:149 Resp: 355513
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.0 3.9 5.9

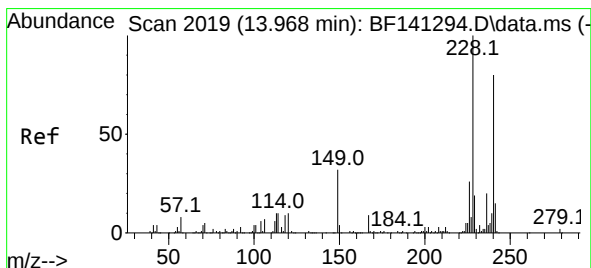
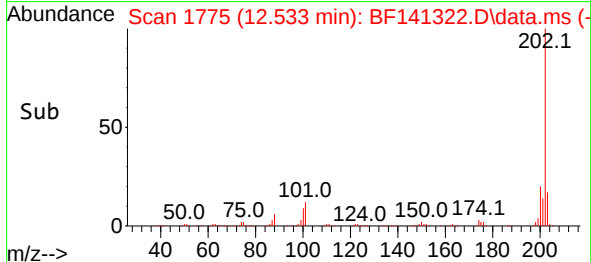
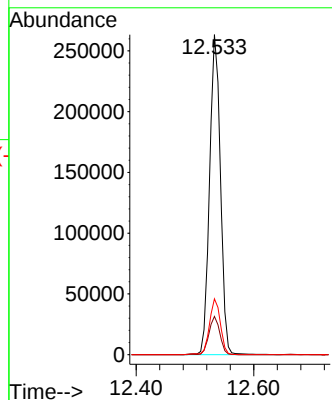
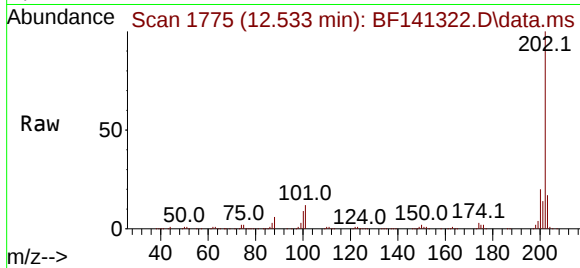




#75
Fluoranthene
Concen: 9.983 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

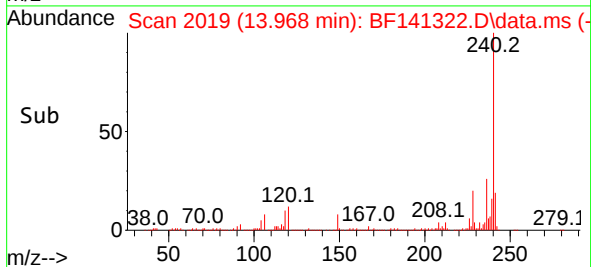
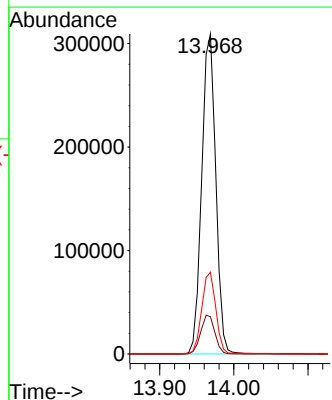
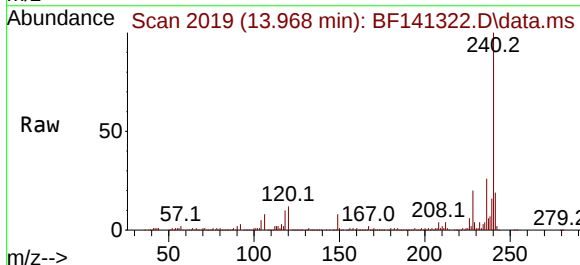
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

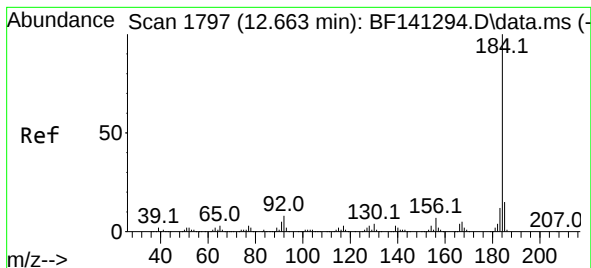
Tgt Ion:202 Resp: 336914
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.4 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:240 Resp: 407540
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.6 19.7 29.5





#77

Benzidine

Concen: 3.962 ng

RT: 12.663 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

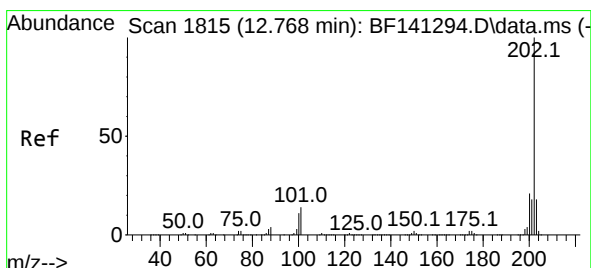
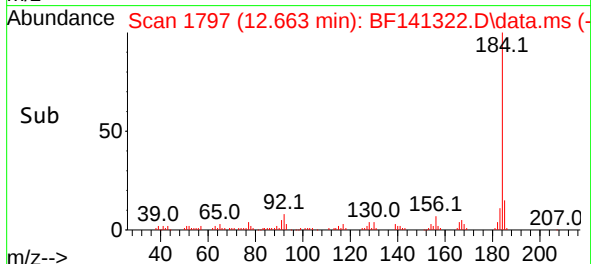
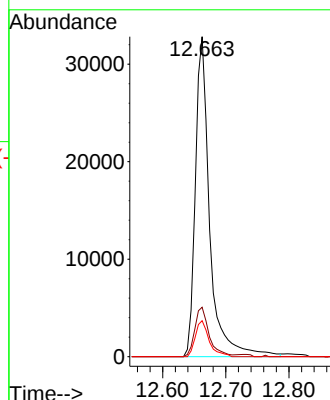
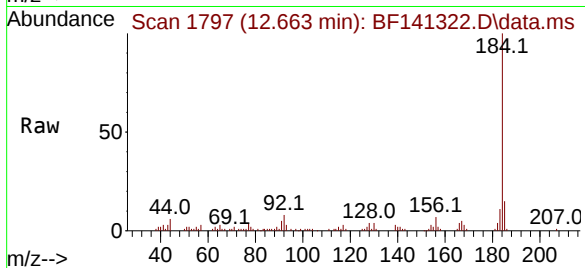
Tgt Ion:184 Resp: 51766

Ion Ratio Lower Upper

184 100

185 15.5 11.9 17.9

183 11.3 9.5 14.3



#78

Pyrene

Concen: 9.095 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

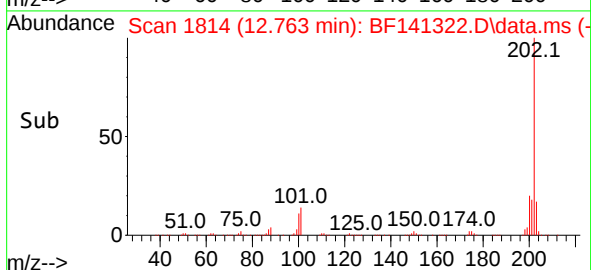
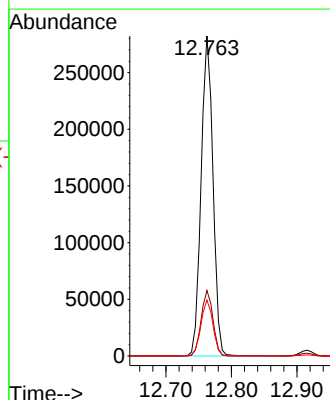
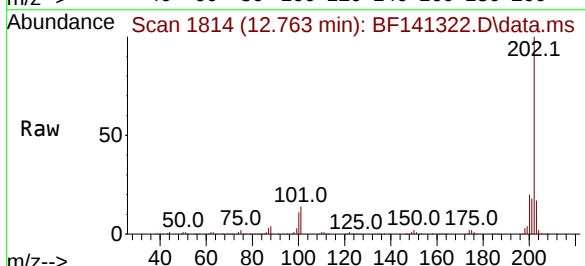
Tgt Ion:202 Resp: 355812

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

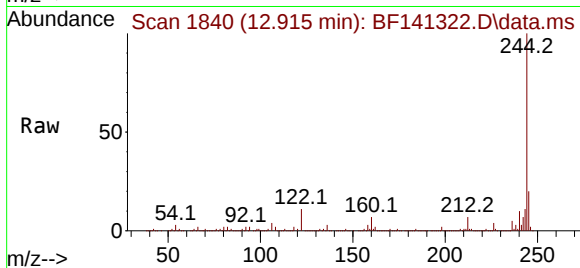
203 17.5 14.3 21.5





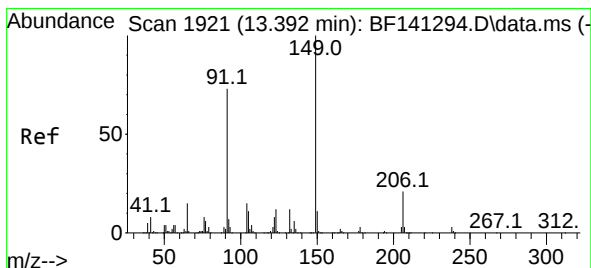
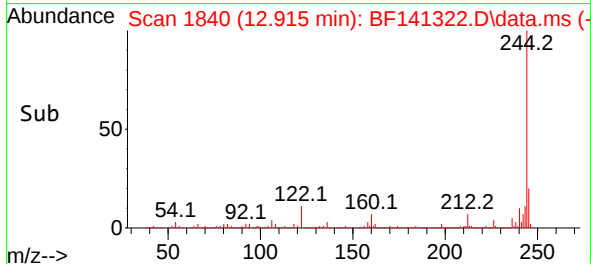
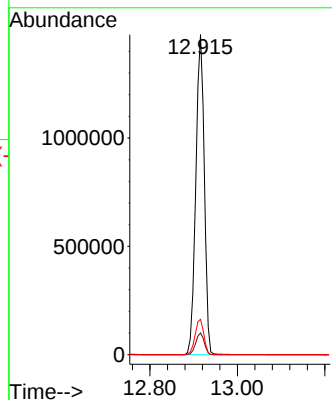
#79
 Terphenyl-d14
 Concen: 75.588 ng
 RT: 12.915 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141322.D
 Acq: 31 Jan 2025 10:42

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion:244 Resp: 1997497

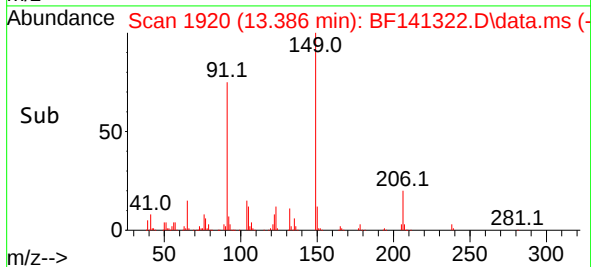
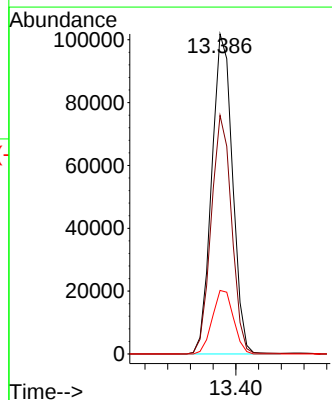
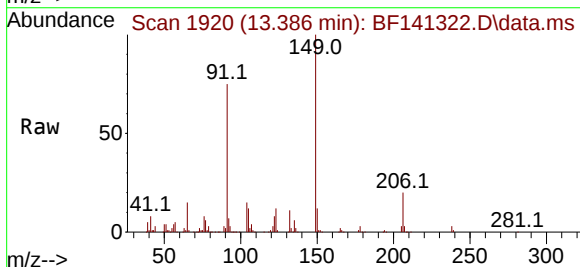
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.0	8.8	13.2

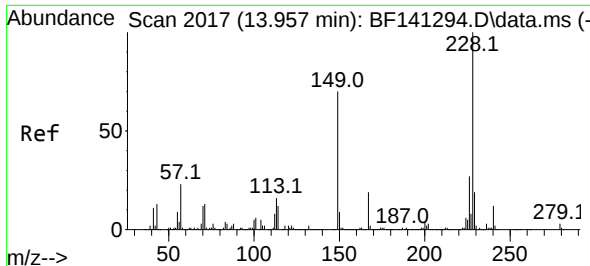


#80
 Butylbenzylphthalate
 Concen: 9.484 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141322.D
 Acq: 31 Jan 2025 10:42

Tgt Ion:149 Resp: 129623

Ion	Ratio	Lower	Upper
149	100		
91	74.6	58.6	87.8
206	19.9	16.7	25.1

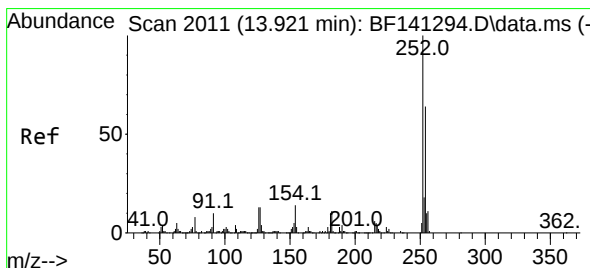
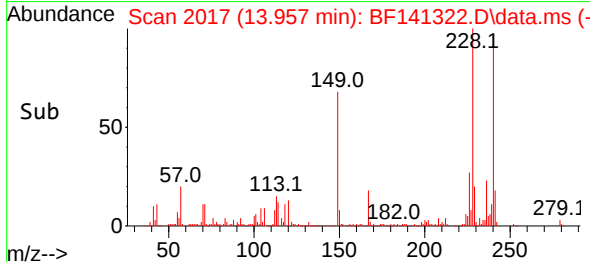
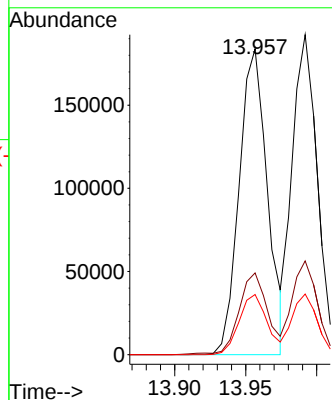
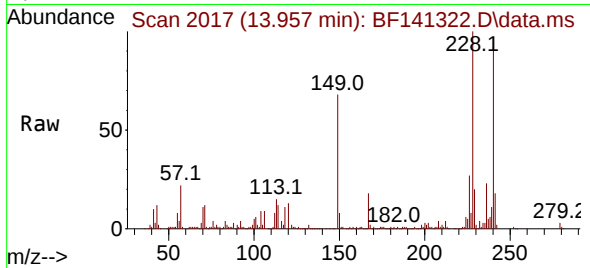




#81
Benzo(a)anthracene
Concen: 9.052 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

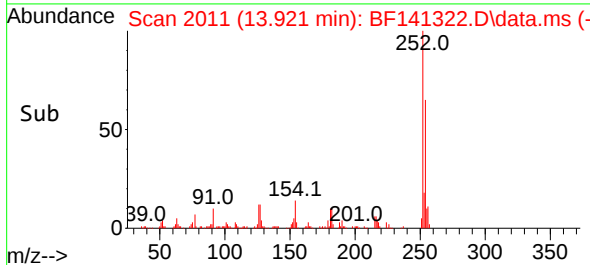
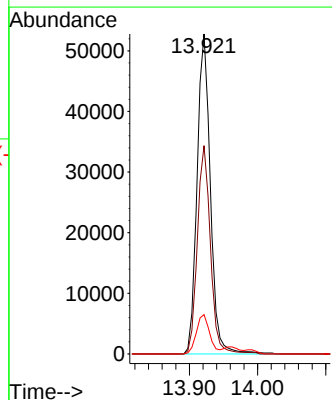
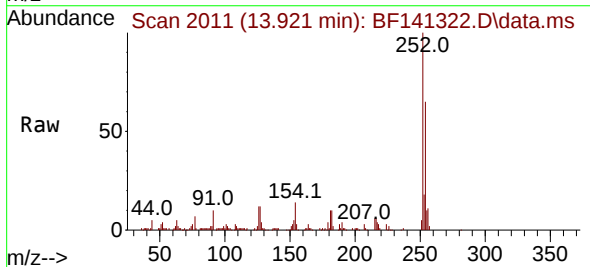
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:228 Resp: 254578
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.7 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 7.994 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:252 Resp: 71504
Ion Ratio Lower Upper
252 100
254 65.1 51.3 76.9
126 12.3 10.0 15.0





#83

Chrysene

Concen: 9.243 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

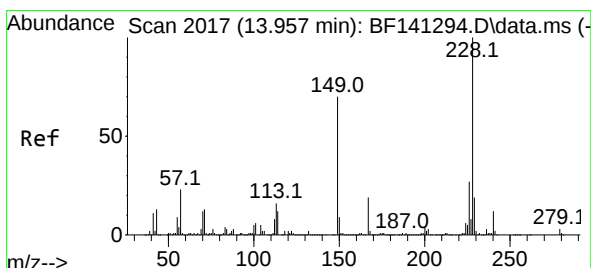
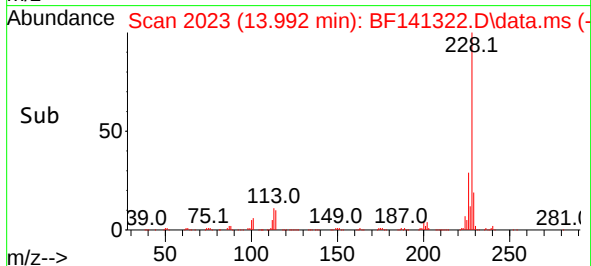
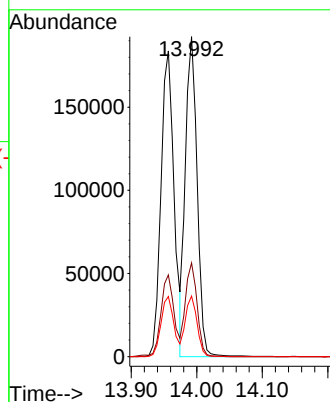
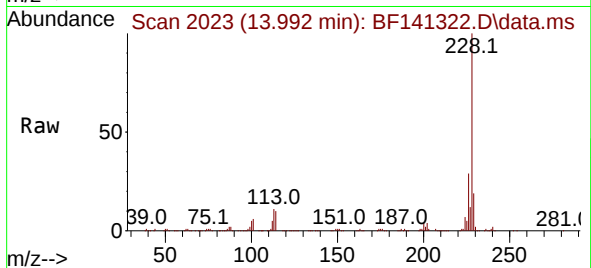
Tgt Ion:228 Resp: 238221

Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

229 19.0 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.135 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

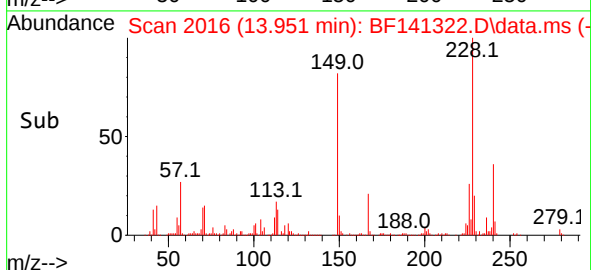
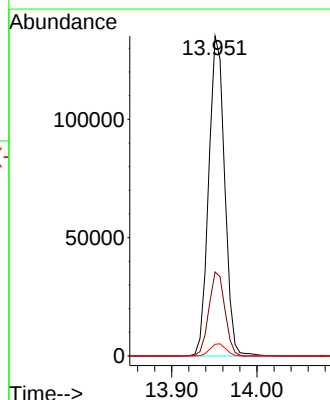
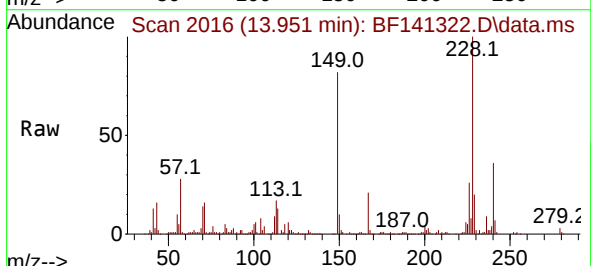
Tgt Ion:149 Resp: 175709

Ion Ratio Lower Upper

149 100

167 26.2 21.8 32.8

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 9.301 ng

RT: 14.580 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

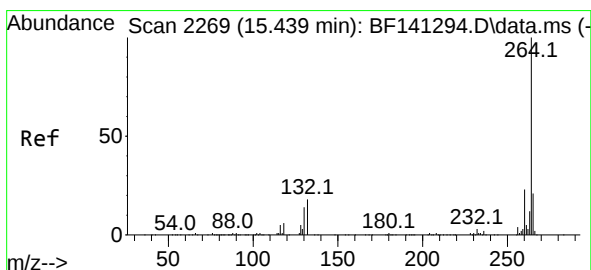
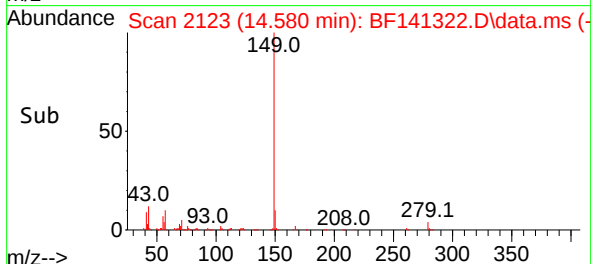
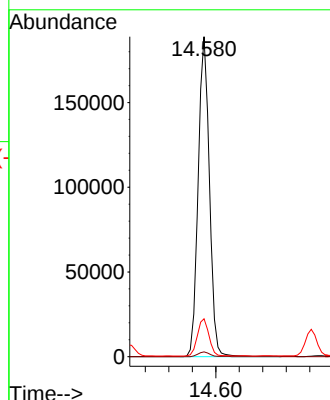
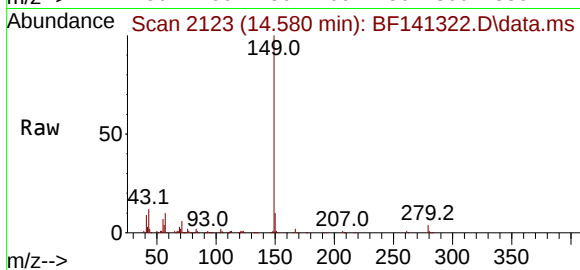
Tgt Ion:149 Resp: 250442

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 12.0 9.8 14.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

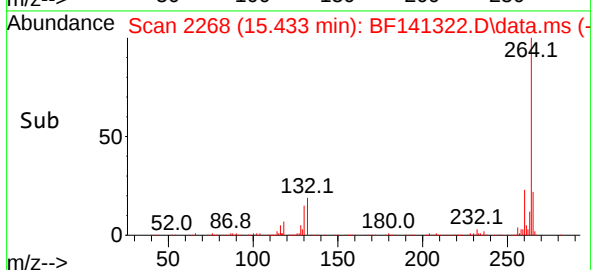
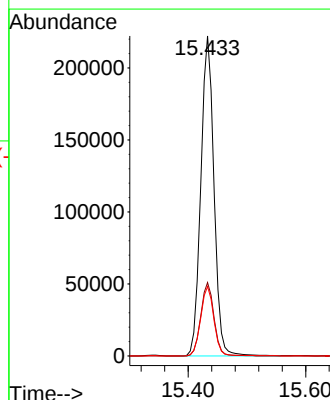
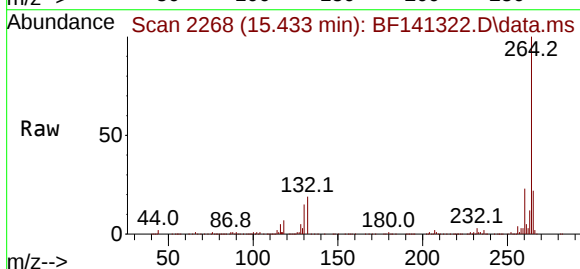
Tgt Ion:264 Resp: 345574

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

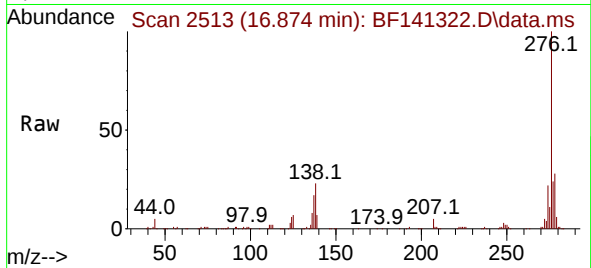
265 21.7 16.7 25.1



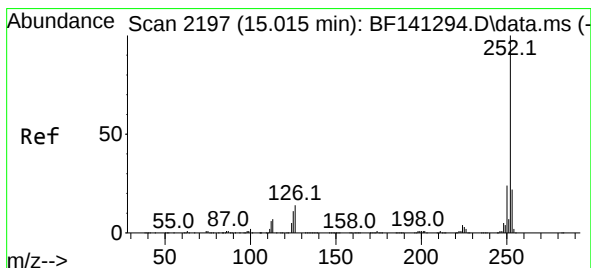
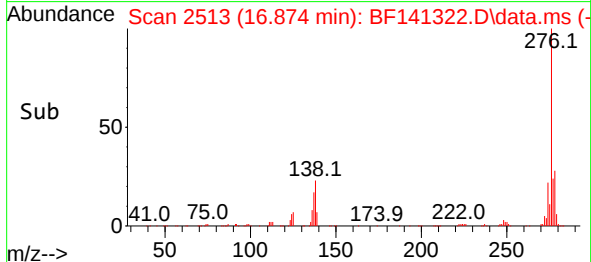
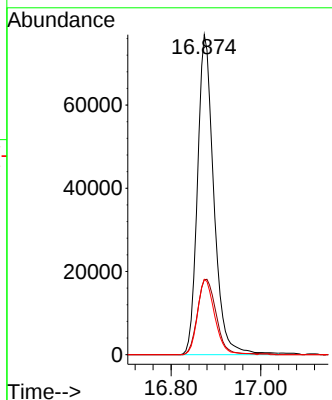


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.713 ng
RT: 16.874 min Scan# 2113
Delta R.T. -0.024 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

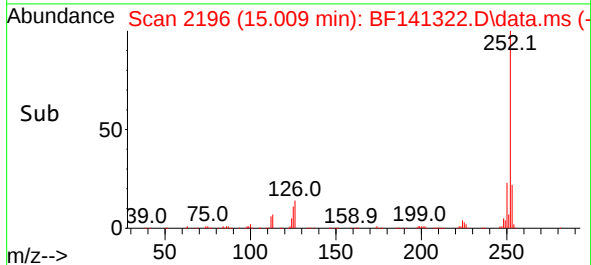
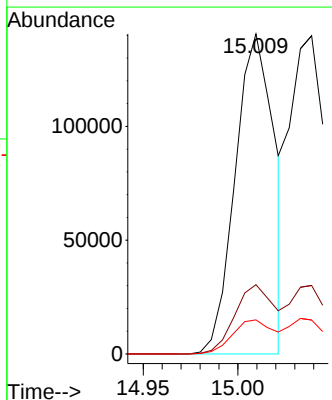
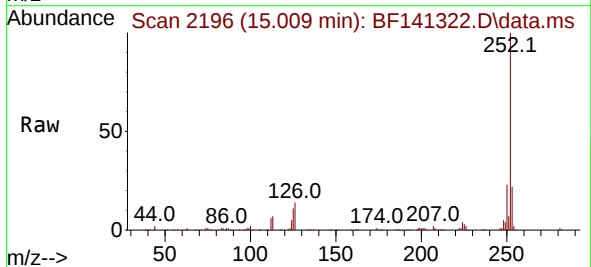


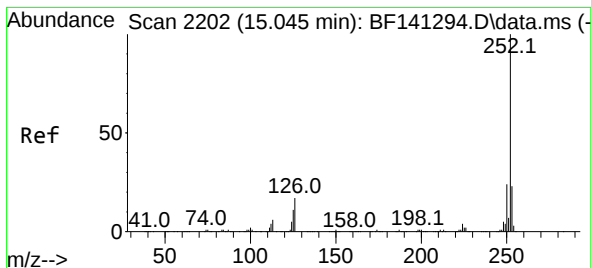
Tgt Ion:276 Resp: 194338
Ion Ratio Lower Upper
276 100
138 27.0 21.7 32.5
277 24.8 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 9.267 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:252 Resp: 201449
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.304 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

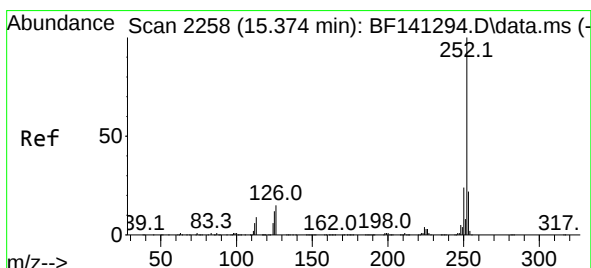
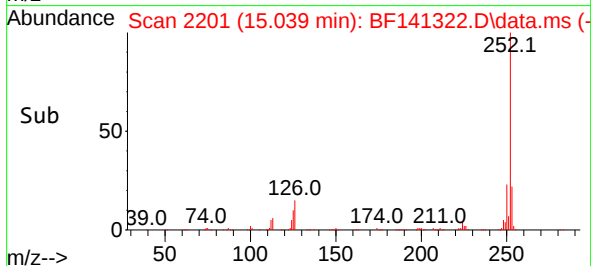
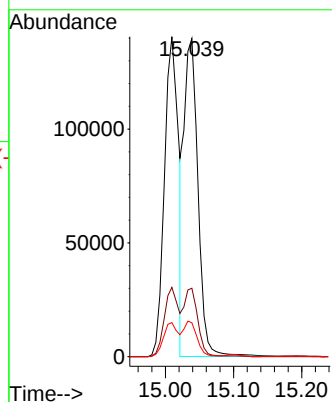
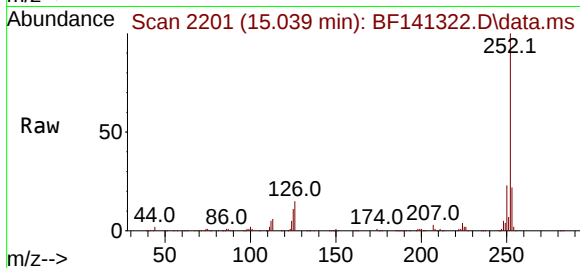
Tgt Ion:252 Resp: 198413

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 10.7 8.4 12.6



#90

Benzo(a)pyrene

Concen: 9.599 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141322.D

Acq: 31 Jan 2025 10:42

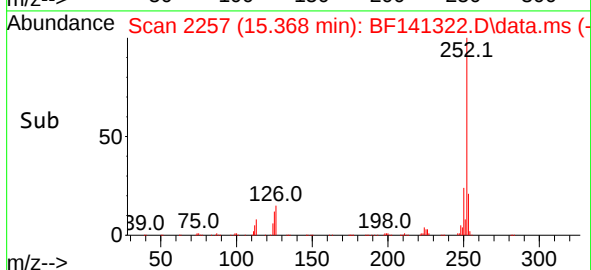
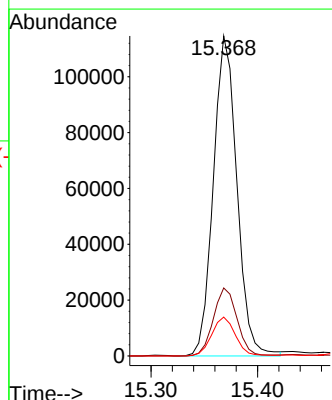
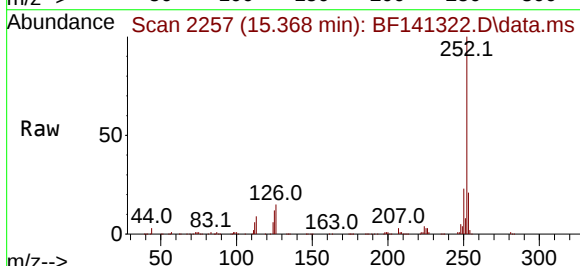
Tgt Ion:252 Resp: 176322

Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

125 12.1 9.4 14.2

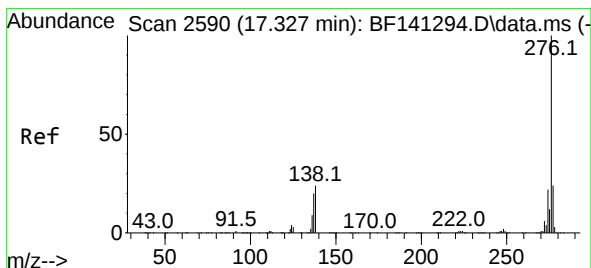
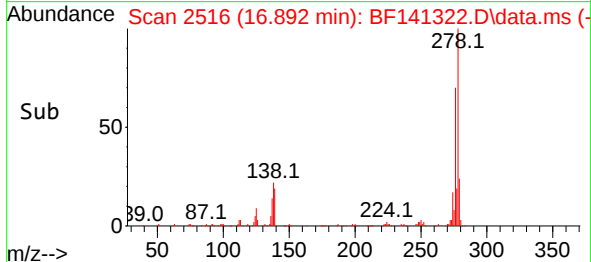
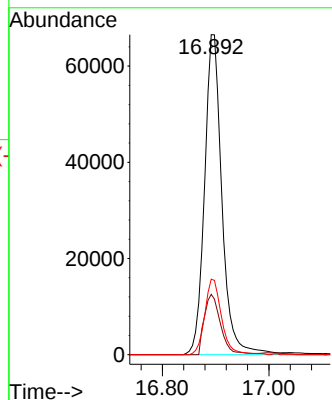
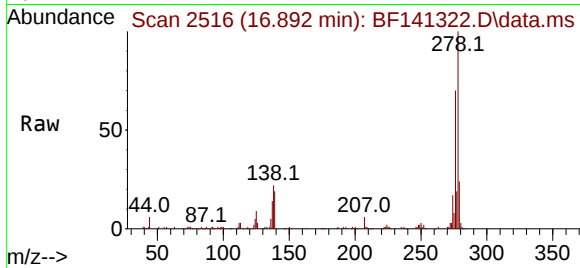




#91
Dibenzo(a,h)anthracene
Concen: 8.406 ng
RT: 16.892 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:278 Resp: 150845
Ion Ratio Lower Upper
278 100
139 18.9 13.9 20.9
279 23.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 8.296 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.036 min
Lab File: BF141322.D
Acq: 31 Jan 2025 10:42

Tgt Ion:276 Resp: 154792
Ion Ratio Lower Upper
276 100
277 22.4 19.2 28.8
138 22.8 19.0 28.4

