

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141139.D
 Acq On : 14 Jan 2025 12:19
 Operator : RC/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 14 12:45:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	165982	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	645365	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	347271	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	591082	20.000	ng	0.00
76) Chrysene-d12	13.980	240	345133	20.000	ng	0.00
86) Perylene-d12	15.439	264	319435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1153839	107.388	ng	0.00
7) Phenol-d6	6.445	99	1538172	113.016	ng	0.00
23) Nitrobenzene-d5	7.381	82	1014362	83.317	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	499189	126.156	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1874623	82.432	ng	0.00
79) Terphenyl-d14	12.933	244	1912466	82.360	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.534	88	37185	7.772	ng	99
3) Pyridine	3.304	79	87919	7.493	ng	98
4) n-Nitrosodimethylamine	3.210	42	44184	7.701	ng	98
6) Aniline	6.481	93	128305	10.618	ng	99
8) 2-Chlorophenol	6.604	128	97050	8.419	ng	98
9) Benzaldehyde	6.369	77	80212	10.007	ng	99
10) Phenol	6.457	94	123939	8.507	ng	79
11) bis(2-Chloroethyl)ether	6.557	93	91320	8.411	ng	98
12) 1,3-Dichlorobenzene	6.757	146	102726	7.990	ng	98
13) 1,4-Dichlorobenzene	6.839	146	106875	8.249	ng	98
14) 1,2-Dichlorobenzene	6.992	146	98357	8.139	ng	99
15) Benzyl Alcohol	6.957	79	94900	9.655	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.092	45	126388	8.342	ng	97
17) 2-Methylphenol	7.063	107	79031	8.492	ng	99
18) Hexachloroethane	7.334	117	36892	7.874	ng	96
19) n-Nitroso-di-n-propyla...	7.228	70	69989	8.730	ng	99
20) 3+4-Methylphenols	7.216	107	103825	8.843	ng	# 89
22) Acetophenone	7.222	105	145004	9.451	ng	98
24) Nitrobenzene	7.398	77	108630	8.561	ng	99
25) Isophorone	7.633	82	187362	9.005	ng	99
26) 2-Nitrophenol	7.716	139	49092	8.505	ng	99
27) 2,4-Dimethylphenol	7.745	122	54199	6.962	ng	99
28) bis(2-Chloroethoxy)met...	7.851	93	116119	8.893	ng	98
29) 2,4-Dichlorophenol	7.951	162	80231	8.677	ng	97
30) 1,2,4-Trichlorobenzene	8.039	180	91705	8.677	ng	99
31) Naphthalene	8.122	128	300363	8.825	ng	98
32) Benzoic acid	7.804	122	44834	6.003	ng	98
33) 4-Chloroaniline	8.169	127	112339	9.544	ng	99
34) Hexachlorobutadiene	8.239	225	52874	8.302	ng	98
35) Caprolactam	8.498	113	25060	8.278	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	88263	8.728	ng	97
37) 2-Methylnaphthalene	8.816	142	195527	9.016	ng	99
38) 1-Methylnaphthalene	8.910	142	182866	8.556	ng	99
40) 1,2,4,5-Tetrachloroben...	8.980	216	93676	9.398	ng	99
41) Hexachlorocyclopentadiene	8.969	237	24191	7.418	ng	96
43) 2,4,6-Trichlorophenol	9.086	196	55500	8.256	ng	100

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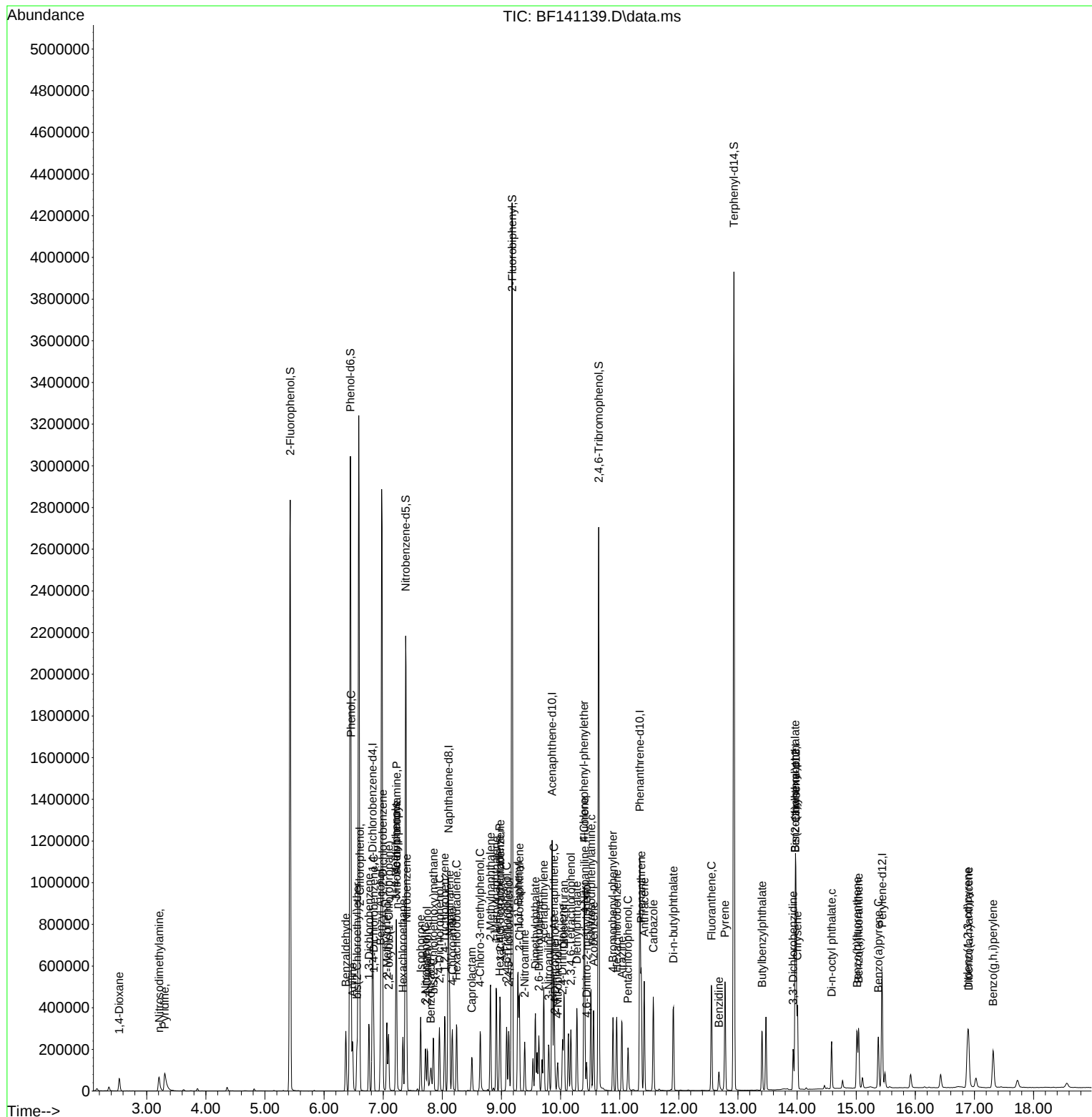
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	60630	8.540	ng	99
46) 1,1'-Biphenyl	9.280	154	254936	9.453	ng	98
47) 2-Chloronaphthalene	9.304	162	183059	8.715	ng	98
48) 2-Nitroaniline	9.392	65	50566	8.121	ng	97
49) Acenaphthylene	9.716	152	287930	9.594	ng	99
50) Dimethylphthalate	9.575	163	209895	9.003	ng	100
51) 2,6-Dinitrotoluene	9.633	165	44191	8.151	ng	92
52) Acenaphthene	9.886	154	181284	8.646	ng	100
53) 3-Nitroaniline	9.798	138	47897	8.694	ng	99
54) 2,4-Dinitrophenol	9.904	184	13104	5.085	ng #	1
55) Dibenzofuran	10.057	168	258840	9.076	ng	98
56) 4-Nitrophenol	9.951	139	32156	7.453	ng	96
57) 2,4-Dinitrotoluene	10.033	165	58443	8.365	ng	98
58) Fluorene	10.404	166	202432	9.136	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	52279	8.859	ng	99
60) Diethylphthalate	10.275	149	200507	8.810	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	99371	9.202	ng	98
62) 4-Nitroaniline	10.410	138	43645	8.094	ng	98
63) Azobenzene	10.557	77	196763	8.761	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	23556	6.877	ng	95
66) n-Nitrosodiphenylamine	10.516	169	173316	9.091	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	61076	8.975	ng	97
68) Hexachlorobenzene	10.951	284	66938	8.836	ng	99
69) Atrazine	11.039	200	55740	10.858	ng	99
70) Pentachlorophenol	11.139	266	33966	7.001	ng	99
71) Phenanthrene	11.363	178	296554	9.345	ng	99
72) Anthracene	11.416	178	285003	9.237	ng	98
73) Carbazole	11.569	167	253501	8.960	ng	99
74) Di-n-butylphthalate	11.910	149	296458	9.156	ng	98
75) Fluoranthene	12.551	202	284605	8.987	ng	99
77) Benzidine	12.680	184	55175	8.621	ng	97
78) Pyrene	12.780	202	293979	8.918	ng	99
80) Butylbenzylphthalate	13.410	149	91897	8.361	ng	99
81) Benzo(a)anthracene	13.968	228	204460	8.705	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	60567	8.098	ng	99
83) Chrysene	14.004	228	200285	9.113	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	117517	8.911	ng	99
85) Di-n-octyl phthalate	14.586	149	151802	7.623	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	207397	8.862	ng	98
88) Benzo(b)fluoranthene	15.015	252	174454	8.469	ng	99
89) Benzo(k)fluoranthene	15.039	252	159092	9.139	ng	98
90) Benzo(a)pyrene	15.374	252	159108	9.362	ng	97
91) Dibenzo(a,h)anthracene	16.903	278	165703	8.754	ng	98
92) Benzo(g,h,i)perylene	17.315	276	163125	8.285	ng	99

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

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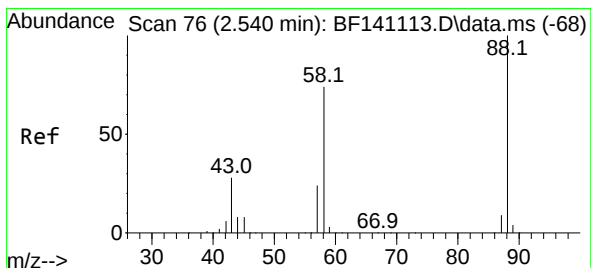
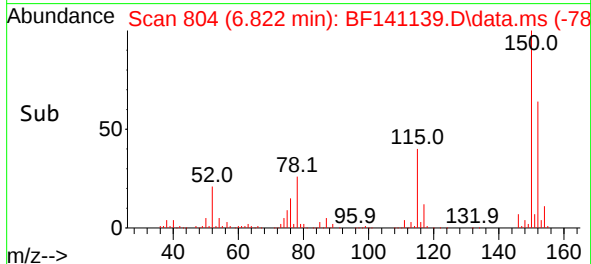
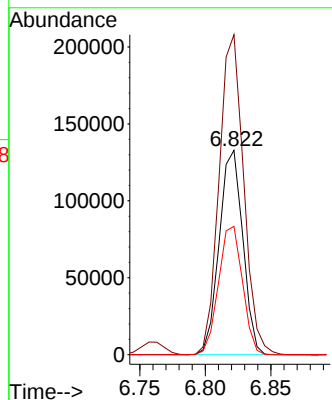
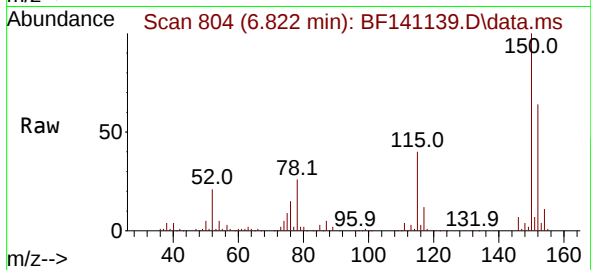




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF141139.D
 Acq: 14 Jan 2025 12:19

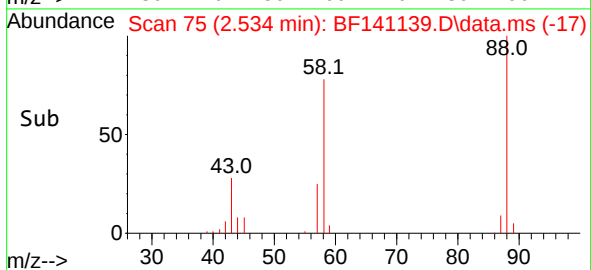
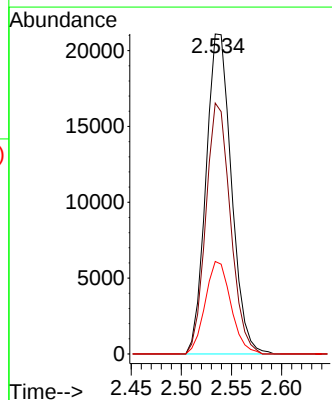
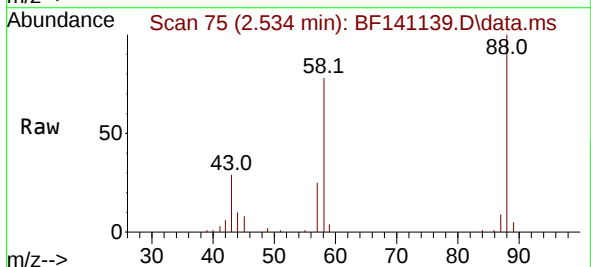
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

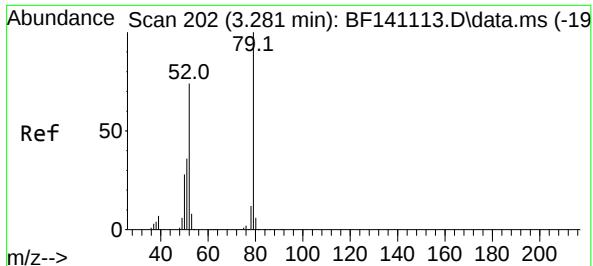
Tgt Ion:152 Resp: 165982
 Ion Ratio Lower Upper
 152 100
 150 156.6 125.8 188.8
 115 62.8 51.4 77.2



#2
 1,4-Dioxane
 Concen: 7.772 ng
 RT: 2.534 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: BF141139.D
 Acq: 14 Jan 2025 12:19

Tgt Ion: 88 Resp: 37185
 Ion Ratio Lower Upper
 88 100
 58 75.6 60.1 90.1
 43 29.2 23.1 34.7





#3

Pyridine

Concen: 7.493 ng

RT: 3.304 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

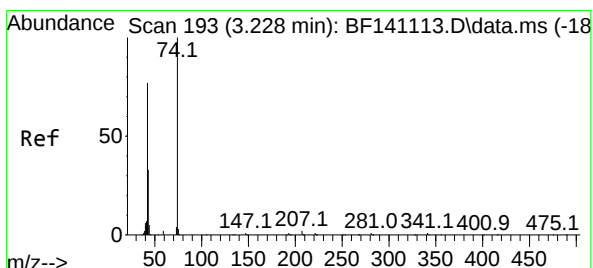
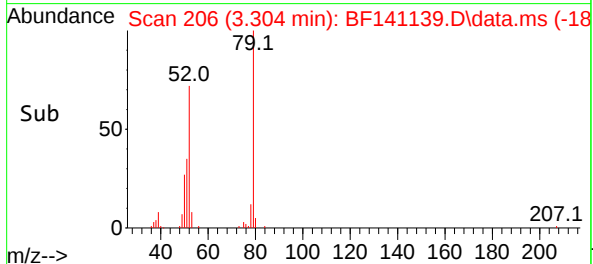
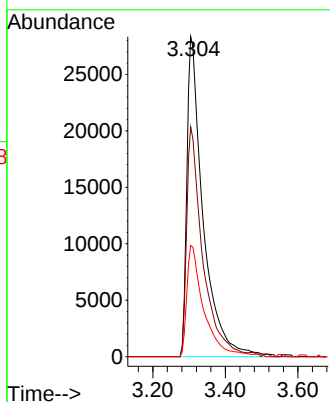
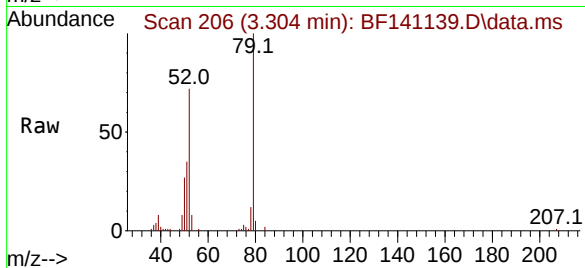
Tgt Ion: 79 Resp: 87919

Ion Ratio Lower Upper

79 100

52 71.8 58.9 88.3

51 34.7 29.1 43.7



#4

n-Nitrosodimethylamine

Concen: 7.701 ng

RT: 3.210 min Scan# 190

Delta R.T. -0.018 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

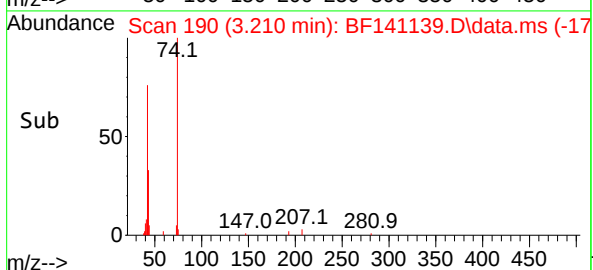
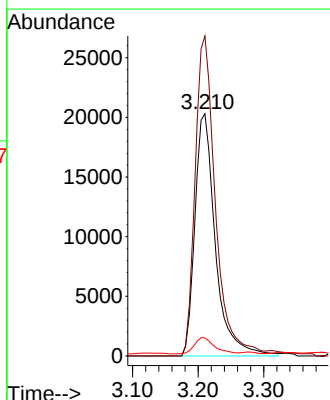
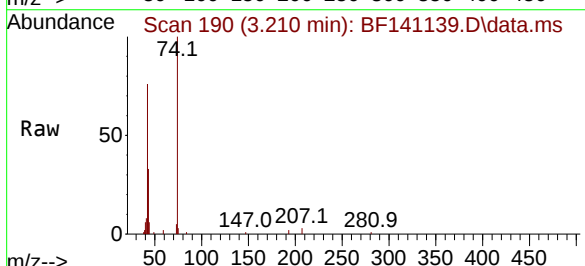
Tgt Ion: 42 Resp: 44184

Ion Ratio Lower Upper

42 100

74 132.1 103.8 155.6

44 7.4 5.3 7.9

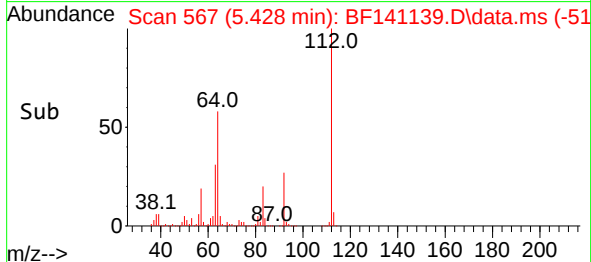
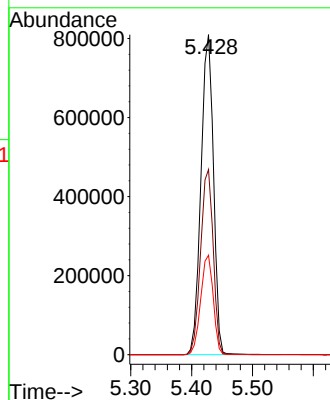
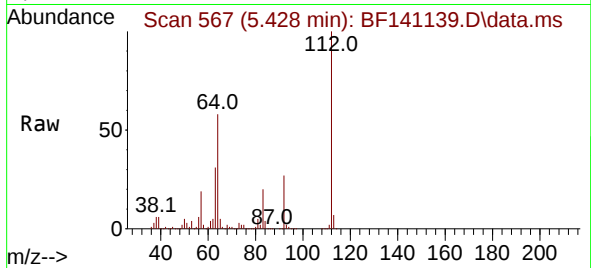




#5
2-Fluorophenol
Concen: 107.388 ng
RT: 5.428 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

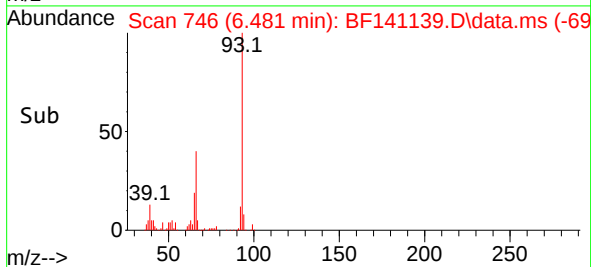
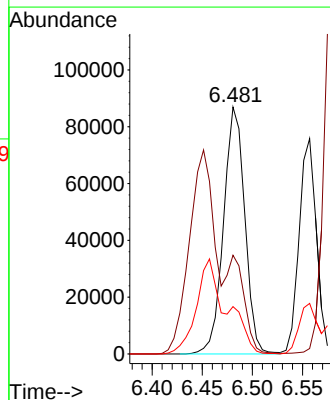
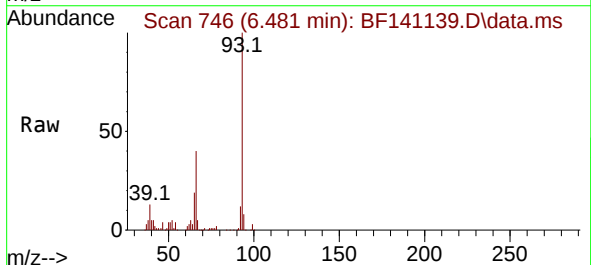
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 1153839
Ion Ratio Lower Upper
112 100
64 57.9 47.3 70.9
63 31.1 24.2 36.2



#6
Aniline
Concen: 10.618 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion: 93 Resp: 128305
Ion Ratio Lower Upper
93 100
66 40.0 31.5 47.3
65 19.2 15.3 22.9



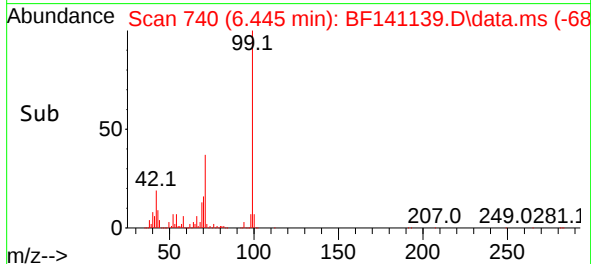
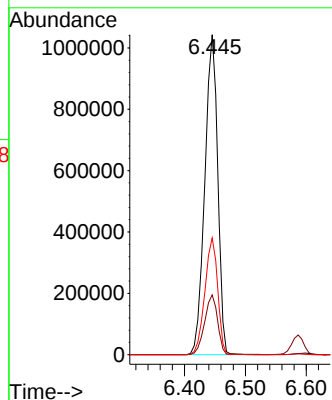
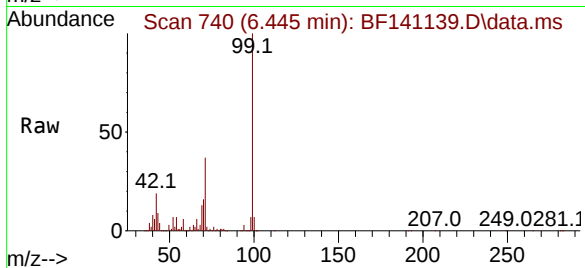


#7
Phenol-d6
Concen: 113.016 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

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BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1538172

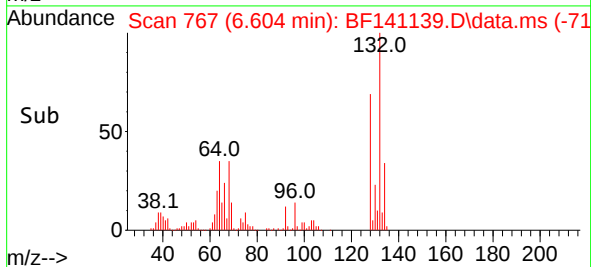
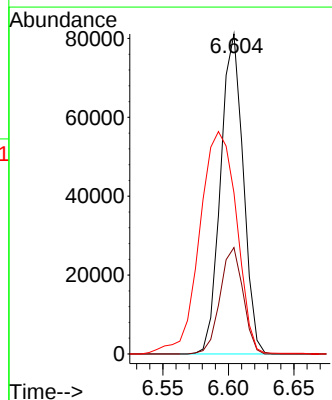
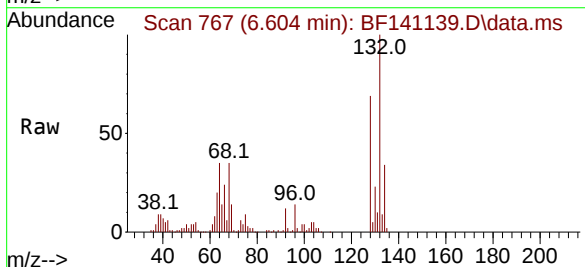
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	36.5	27.6	41.4



#8
2-Chlorophenol
Concen: 8.419 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion: 128 Resp: 97050

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.5	52.5
64	50.3	28.3	68.3





#9

Benzaldehyde

Concen: 10.007 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.000 min

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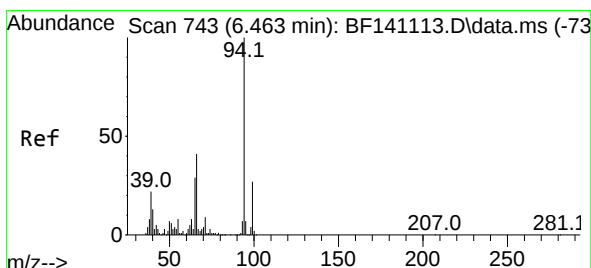
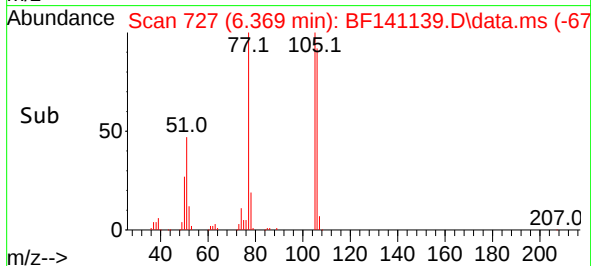
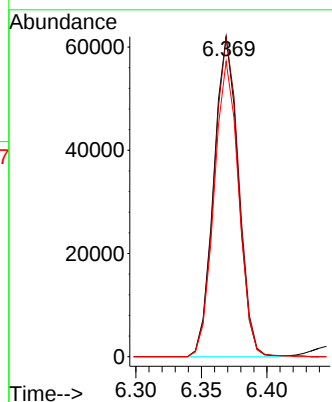
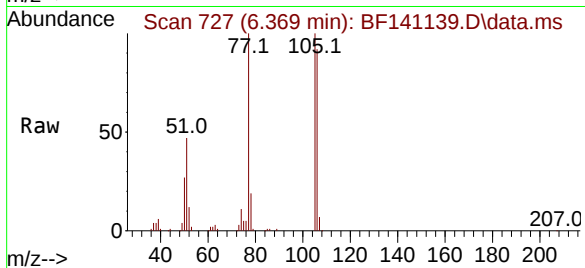
Tgt Ion: 77 Resp: 80212

Ion Ratio Lower Upper

77 100

105 99.8 78.9 118.9

106 92.3 73.6 113.6



#10

Phenol

Concen: 8.507 ng

RT: 6.457 min Scan# 742

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

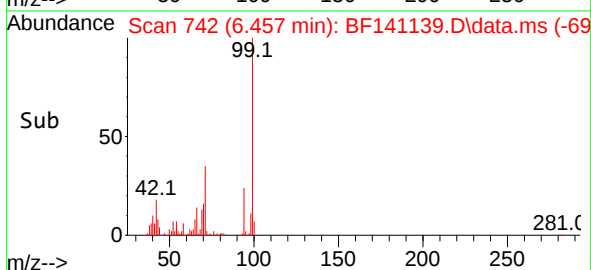
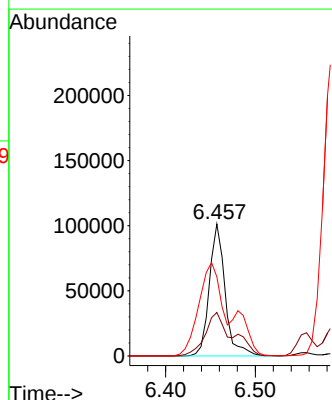
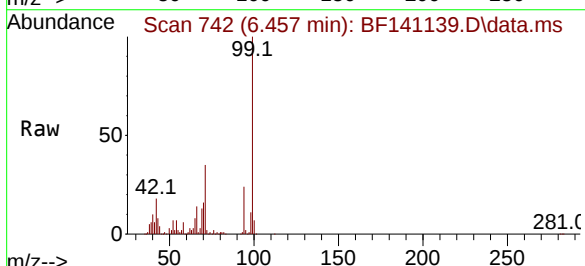
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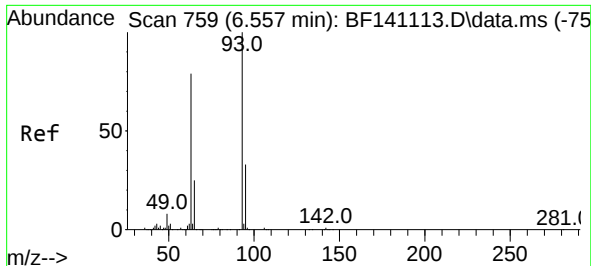
Ion Ratio Lower Upper

94 100

65 33.0 8.9 48.9

66 60.0 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 8.411 ng

RT: 6.557 min Scan# 71

Delta R.T. -0.000 min

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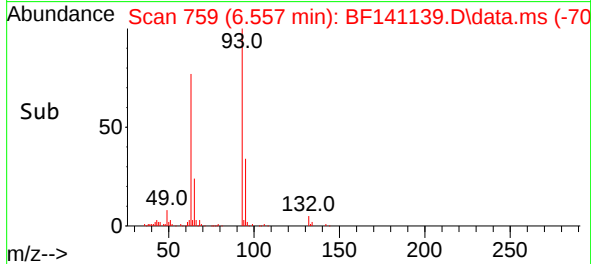
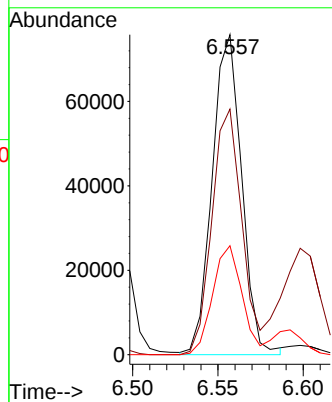
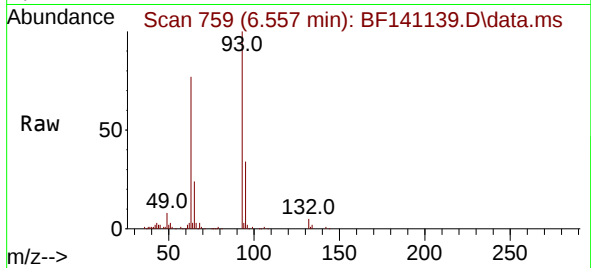
Tgt Ion: 93 Resp: 91320

Ion Ratio Lower Upper

93 100

63 76.7 58.0 98.0

95 34.0 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 7.990 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

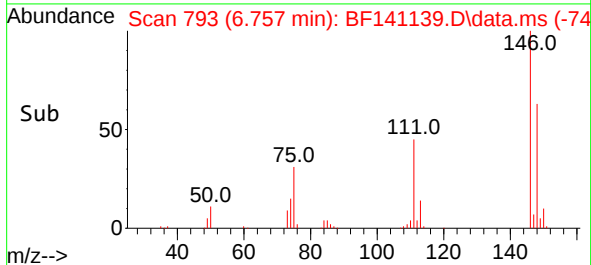
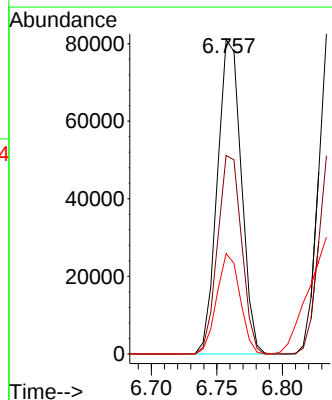
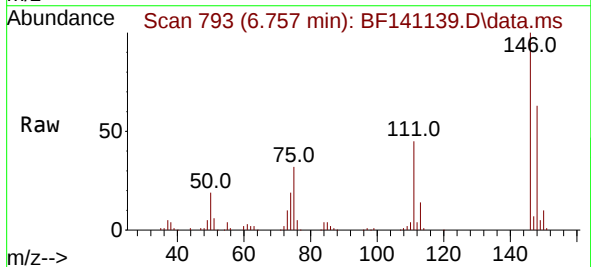
Tgt Ion:146 Resp: 102726

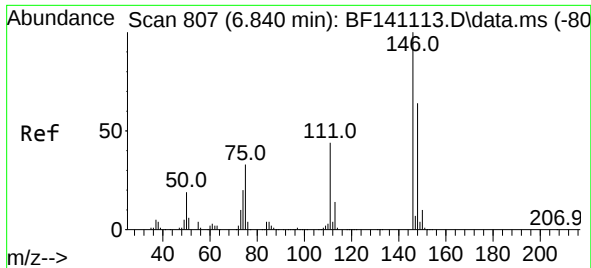
Ion Ratio Lower Upper

146 100

148 63.2 51.6 77.4

75 31.9 26.2 39.2

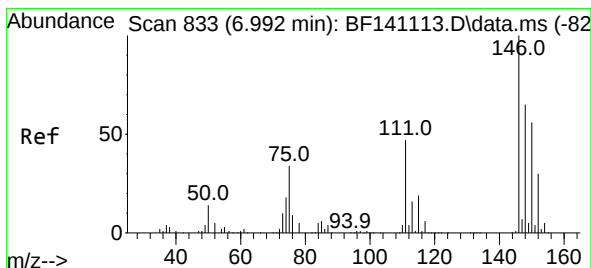
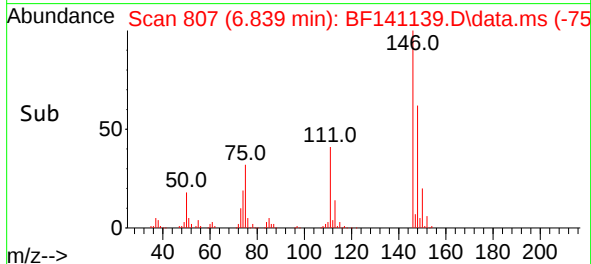
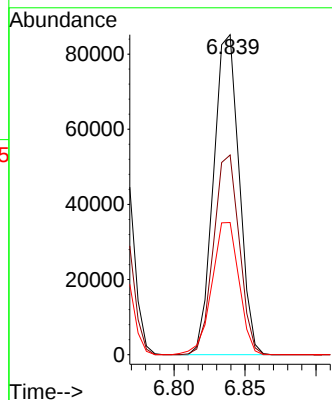
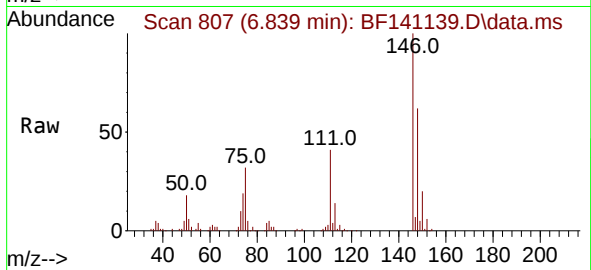




#13
1,4-Dichlorobenzene
Concen: 8.249 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

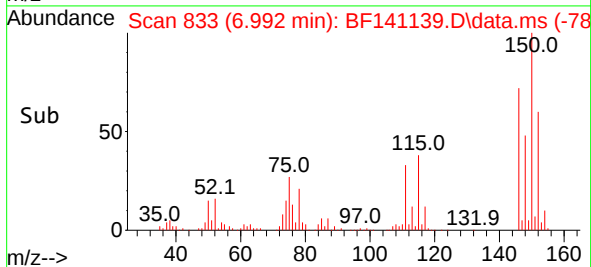
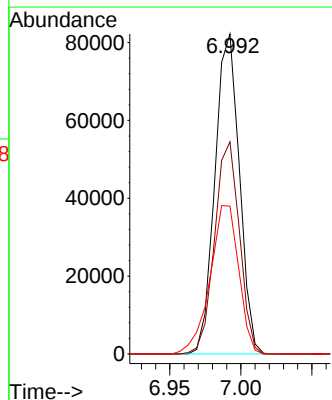
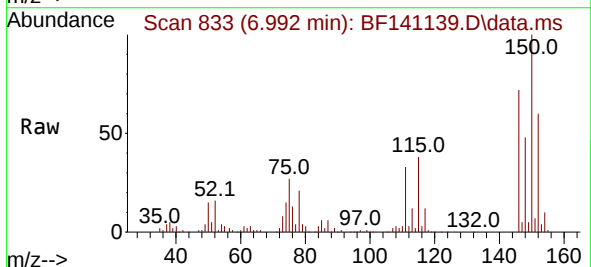
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:146 Resp: 106875
Ion Ratio Lower Upper
146 100
148 62.4 51.0 76.6
111 41.3 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 8.139 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:146 Resp: 98357
Ion Ratio Lower Upper
146 100
148 66.3 52.2 78.4
111 46.2 37.5 56.3

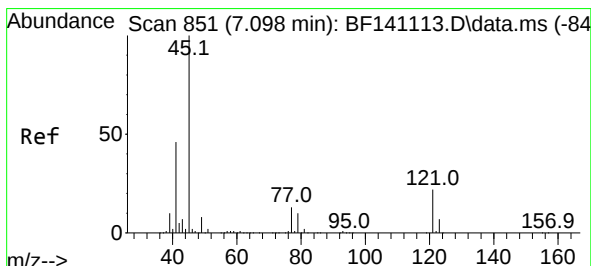
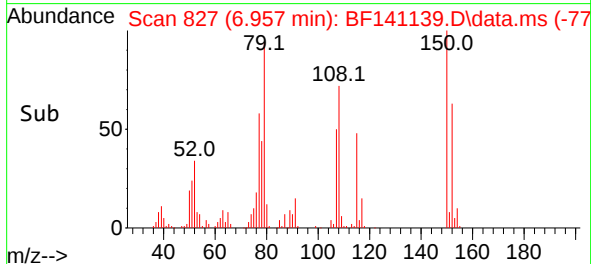
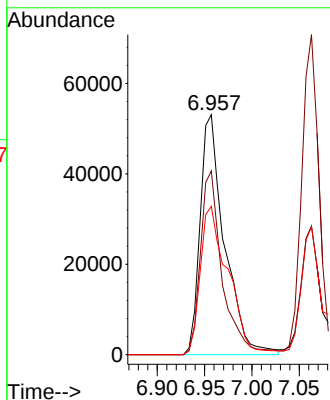
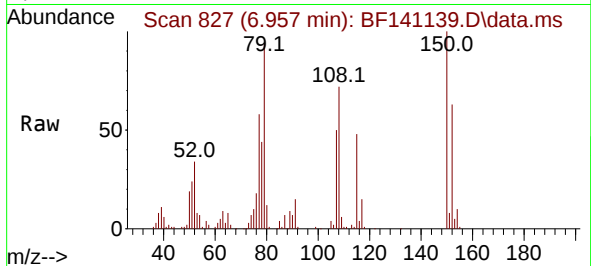




#15
Benzyl Alcohol
Concen: 9.655 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

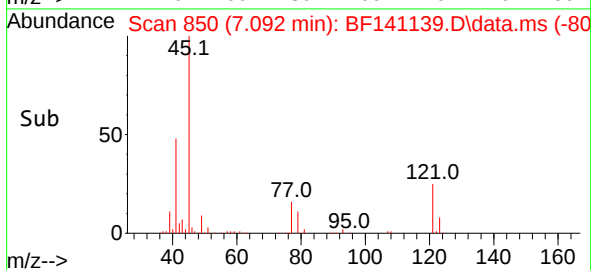
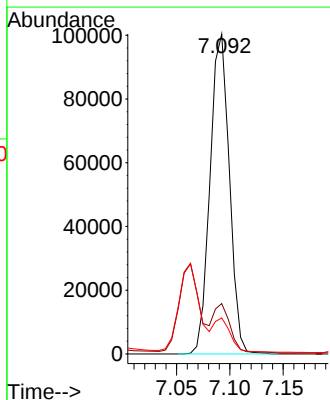
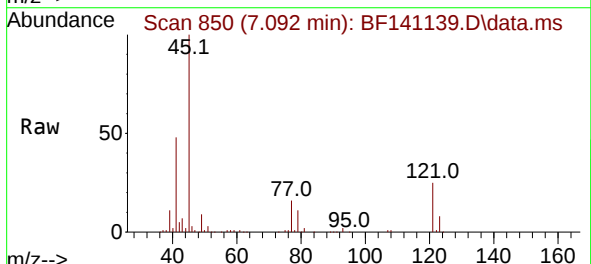
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

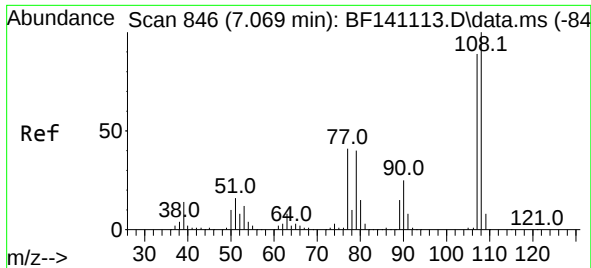
Tgt Ion: 79 Resp: 94900
Ion Ratio Lower Upper
79 100
108 76.5 61.4 92.0
77 61.8 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.342 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion: 45 Resp: 126388
Ion Ratio Lower Upper
45 100
77 15.8 0.0 34.1
79 11.2 0.0 31.0

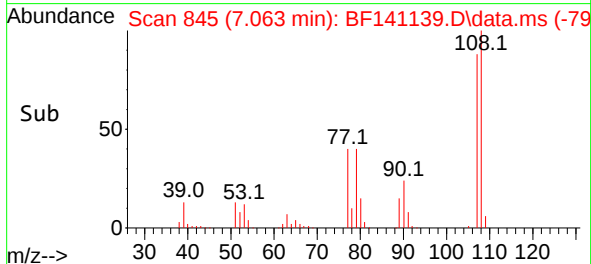
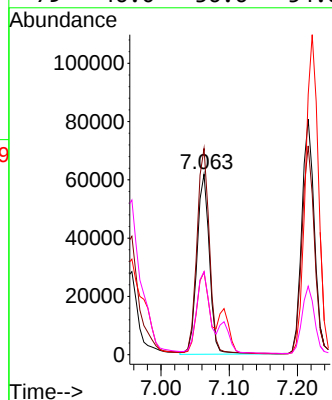
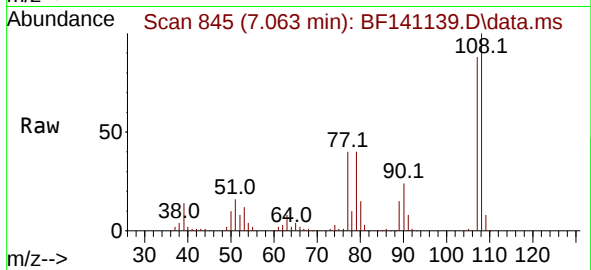




#17
2-Methylphenol
Concen: 8.492 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

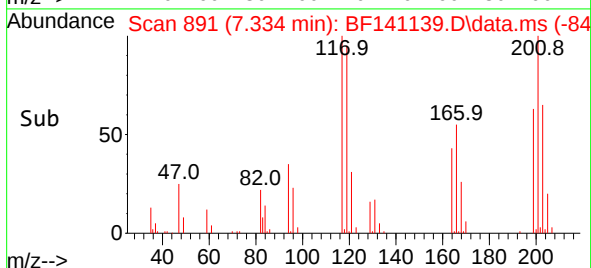
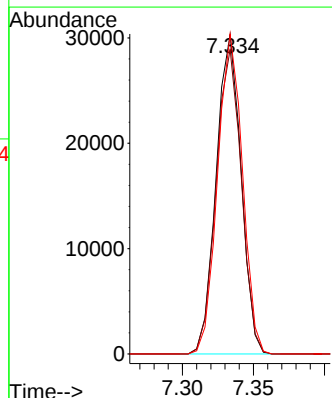
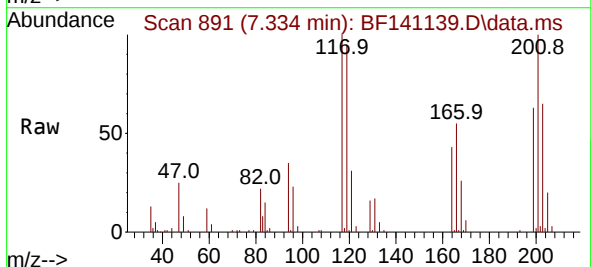
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:	107	Resp:	79031
Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.1	135.1
77	45.8	36.6	55.0
79	46.0	36.6	54.8



#18
Hexachloroethane
Concen: 7.874 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:	117	Resp:	36892
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.6	116.4
201	100.3	75.1	112.7





#19

n-Nitroso-di-n-propylamine

Concen: 8.730 ng

RT: 7.228 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 70 Resp: 69989

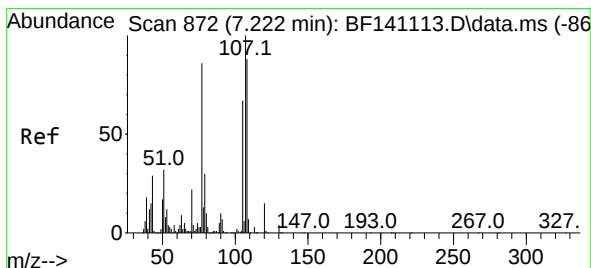
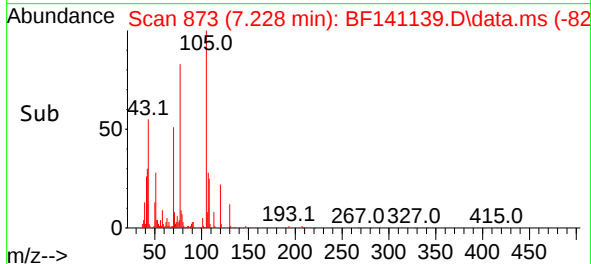
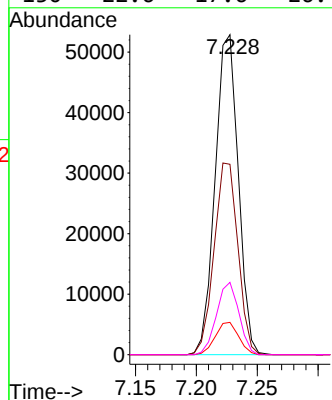
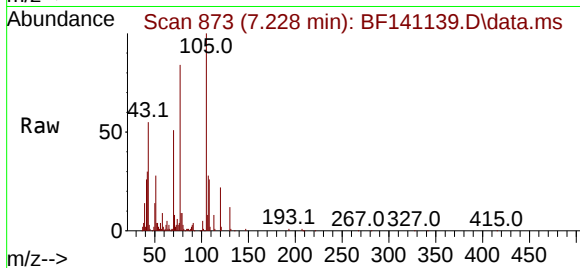
Ion Ratio Lower Upper

70 100

42 59.5 47.8 71.6

101 10.1 7.9 11.9

130 22.6 17.6 26.4



#20

3+4-Methylphenols

Concen: 8.843 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Tgt Ion: 107 Resp: 103825

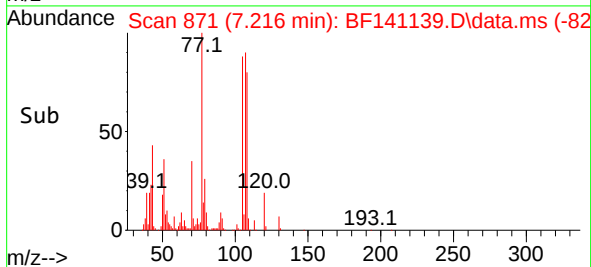
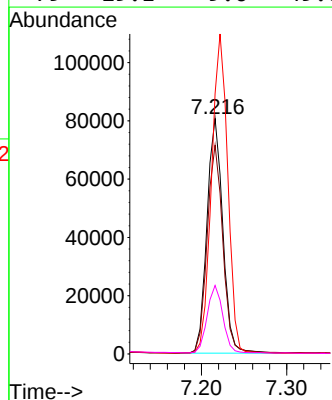
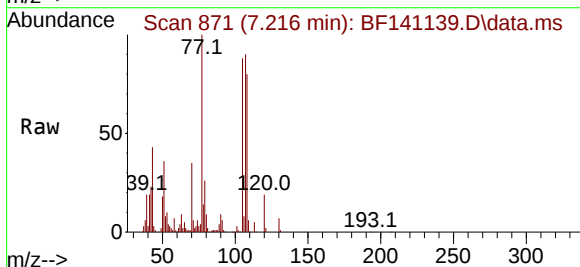
Ion Ratio Lower Upper

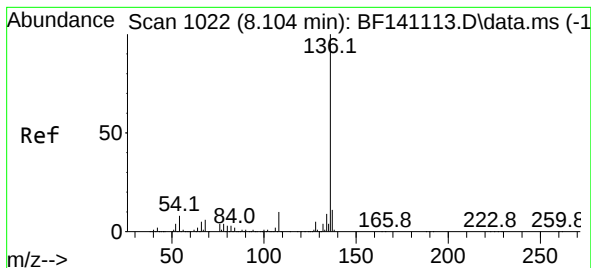
107 100

108 88.7 68.3 108.3

77 110.5 66.4 106.4#

79 29.1 9.6 49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141139.D

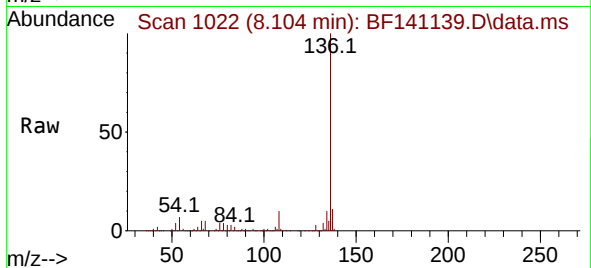
Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:136 Resp: 645365

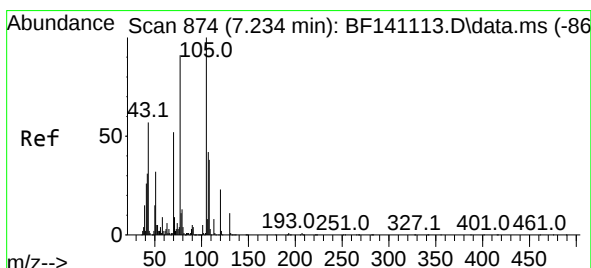
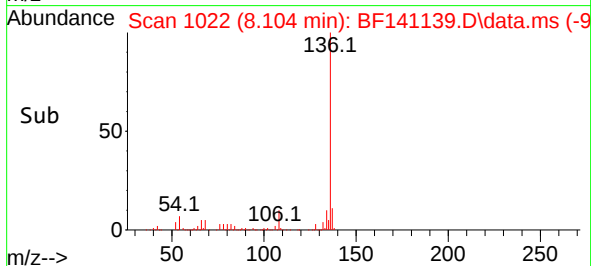
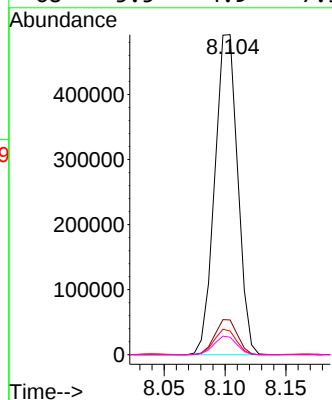
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.4 6.3 9.5

68 5.5 4.9 7.3



#22

Acetophenone

Concen: 9.451 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Tgt Ion:105 Resp: 145004

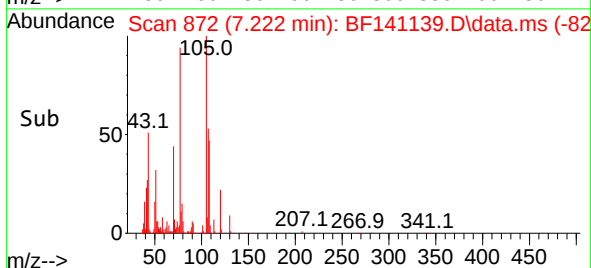
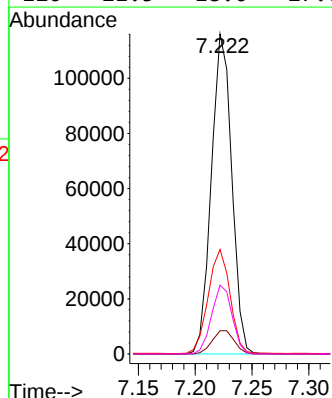
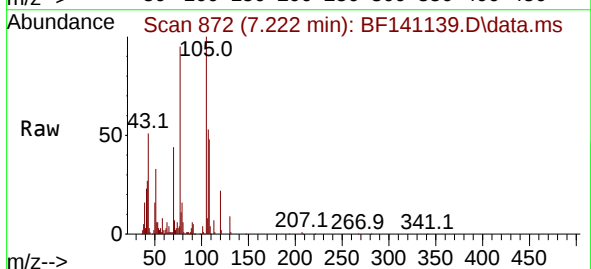
Ion Ratio Lower Upper

105 100

71 7.3 7.1 10.7

51 32.7 25.4 38.2

120 21.5 18.0 27.0

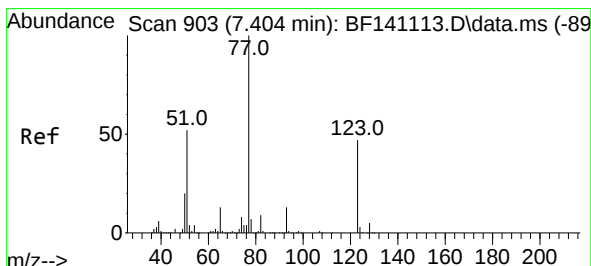
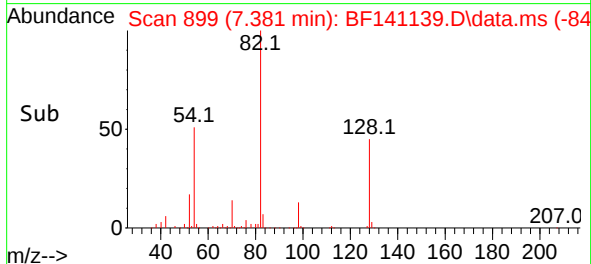
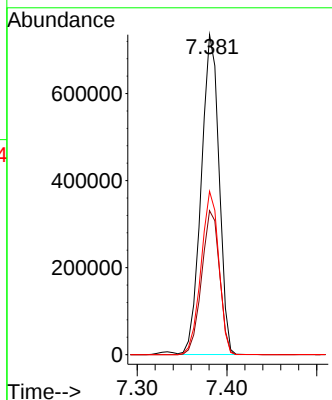
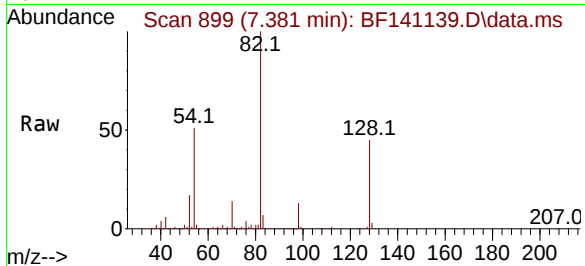




#23
 Nitrobenzene-d5
 Concen: 83.317 ng
 RT: 7.381 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: BF141139.D
 Acq: 14 Jan 2025 12:19

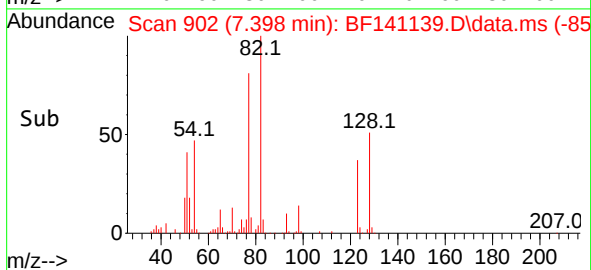
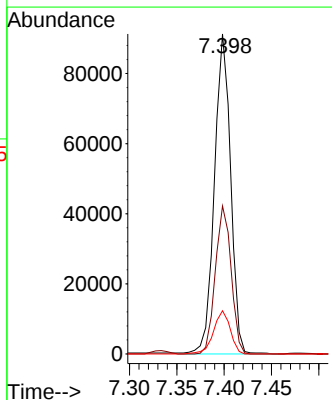
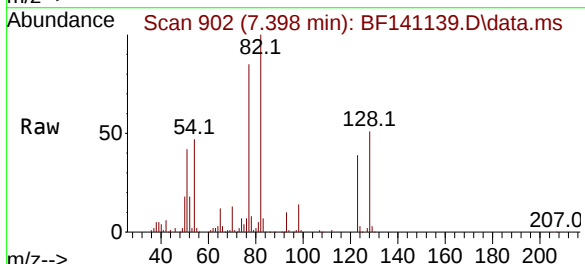
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Tgt Ion: 82 Resp: 1014362
 Ion Ratio Lower Upper
 82 100
 128 45.0 36.1 54.1
 54 51.1 41.0 61.4



#24
 Nitrobenzene
 Concen: 8.561 ng
 RT: 7.398 min Scan# 902
 Delta R.T. -0.006 min
 Lab File: BF141139.D
 Acq: 14 Jan 2025 12:19

Tgt Ion: 77 Resp: 108630
 Ion Ratio Lower Upper
 77 100
 123 46.2 37.7 56.5
 65 13.5 10.6 16.0

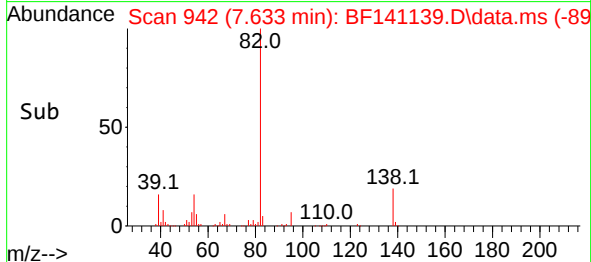
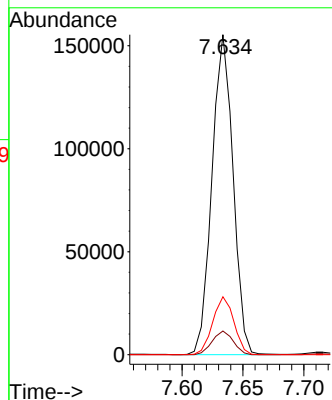
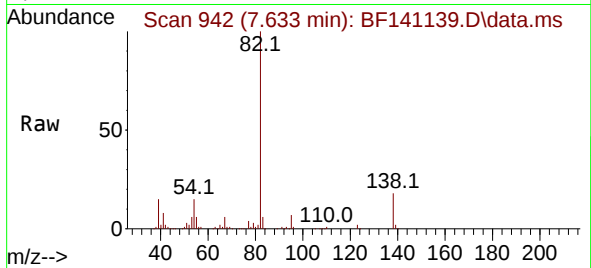




#25
Isophorone
Concen: 9.005 ng
RT: 7.633 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

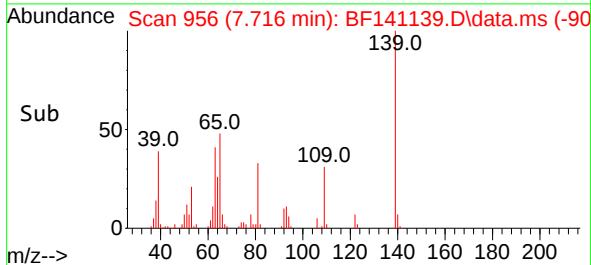
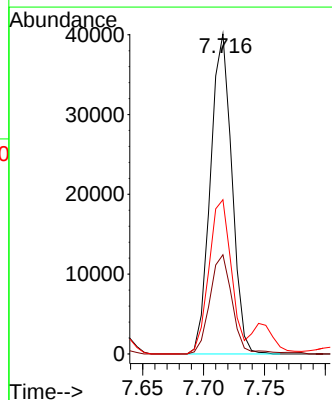
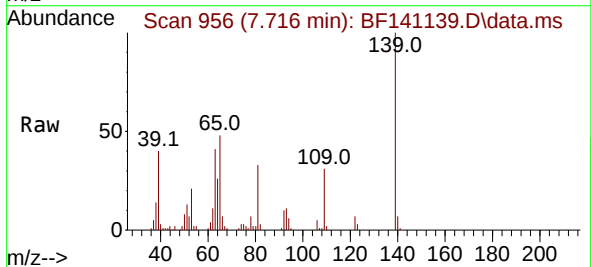
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion: 82 Resp: 187362
Ion Ratio Lower Upper
82 100
95 7.4 5.9 8.9
138 18.1 14.2 21.2



#26
2-Nitrophenol
Concen: 8.505 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:139 Resp: 49092
Ion Ratio Lower Upper
139 100
109 31.0 23.8 35.6
65 48.2 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 6.962 ng

RT: 7.745 min Scan# 961

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

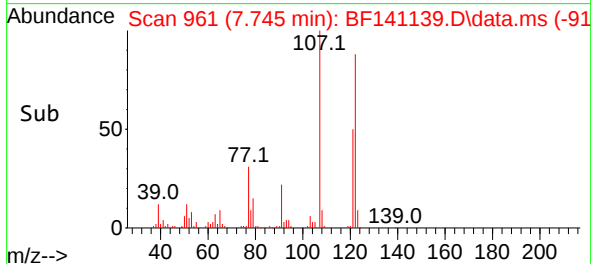
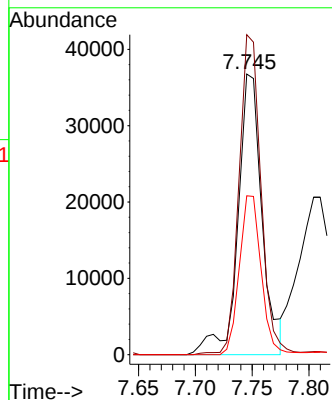
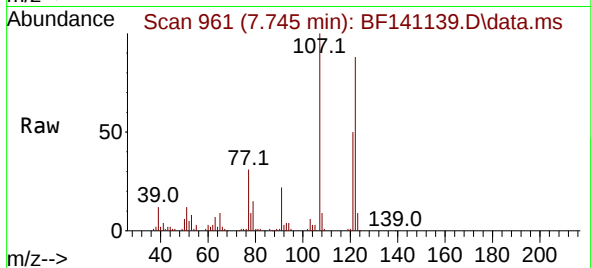
Tgt Ion:122 Resp: 54199

Ion Ratio Lower Upper

122 100

107 114.0 90.3 135.5

121 56.6 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 8.893 ng

RT: 7.851 min Scan# 979

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

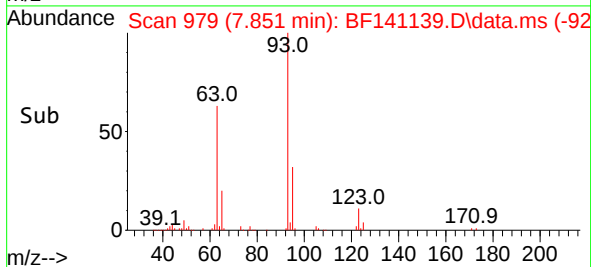
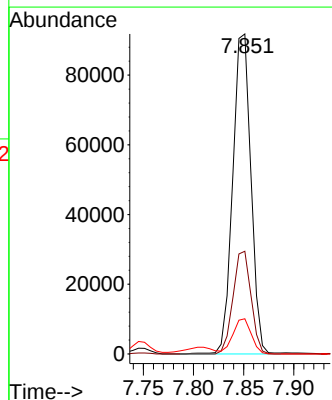
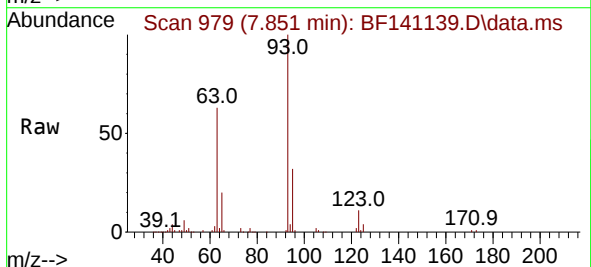
Tgt Ion: 93 Resp: 116119

Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.4

123 11.0 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 8.677 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

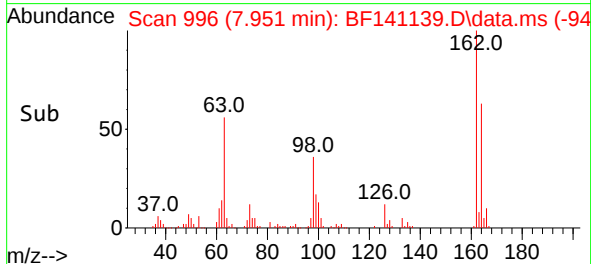
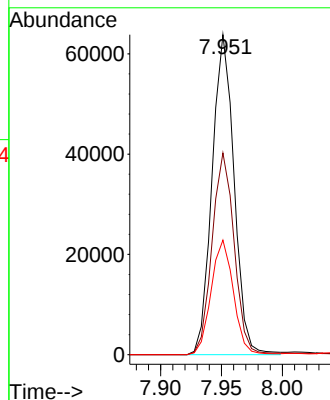
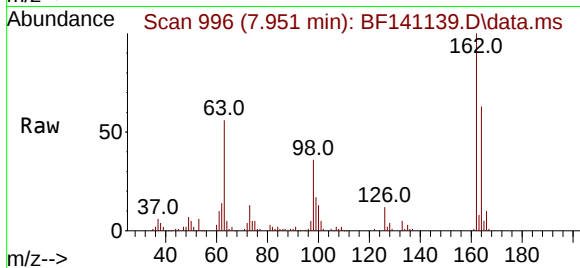
Tgt Ion:162 Resp: 80231

Ion Ratio Lower Upper

162 100

164 63.1 44.5 84.5

98 35.8 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 8.677 ng

RT: 8.039 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

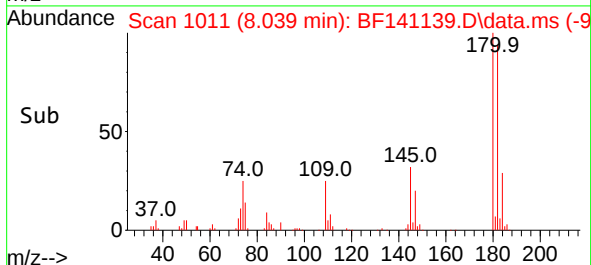
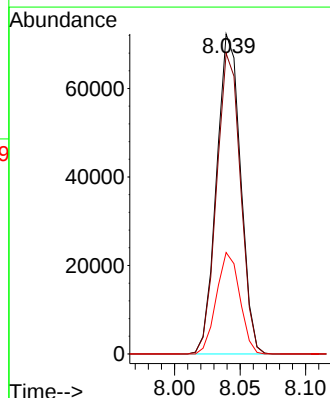
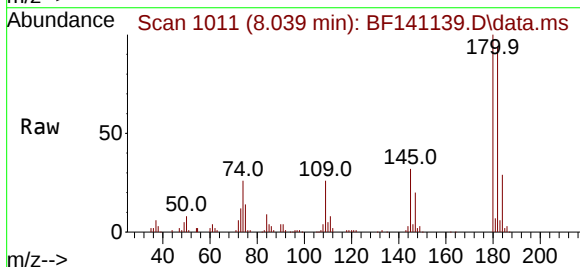
Tgt Ion:180 Resp: 91705

Ion Ratio Lower Upper

180 100

182 93.9 76.2 114.2

145 31.7 25.3 37.9

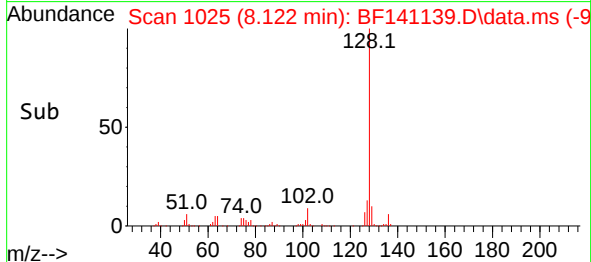
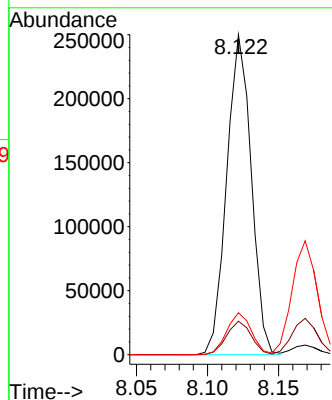
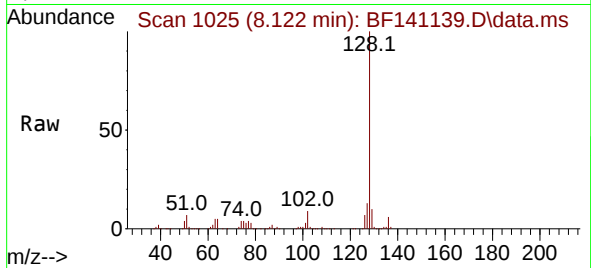




#31
Naphthalene
Concen: 8.825 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

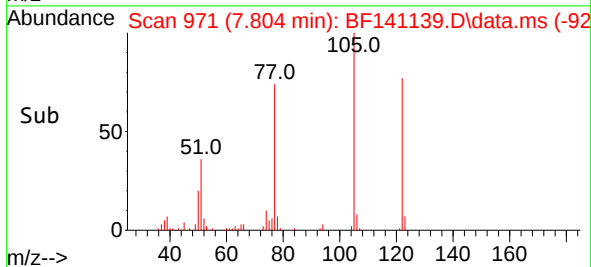
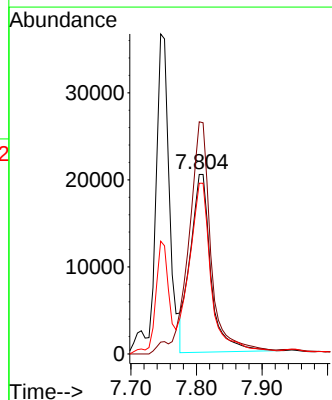
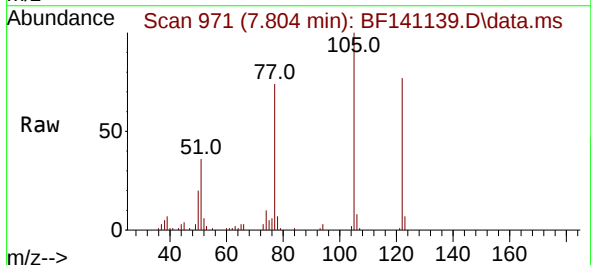
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:128 Resp: 300363
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 13.1 10.8 16.2



#32
Benzoic acid
Concen: 6.003 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.053 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:122 Resp: 44834
Ion Ratio Lower Upper
122 100
105 129.3 105.5 145.5
77 95.0 75.1 115.1





#33

4-Chloroaniline

Concen: 9.544 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:127 Resp: 112339

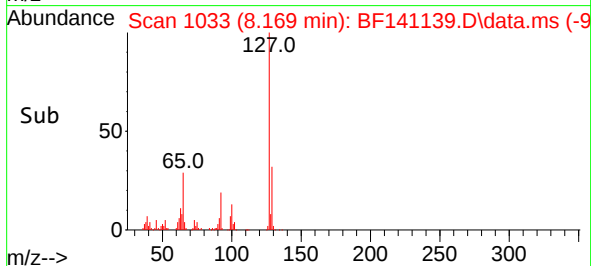
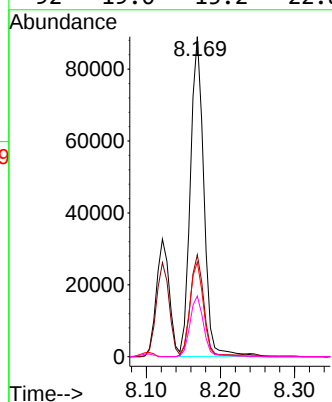
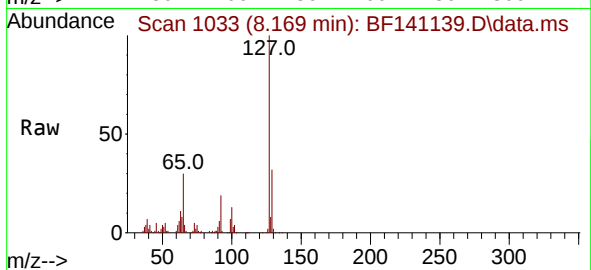
Ion Ratio Lower Upper

127 100

129 31.8 25.9 38.9

65 29.5 23.8 35.8

92 19.0 15.2 22.8



#34

Hexachlorobutadiene

Concen: 8.302 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

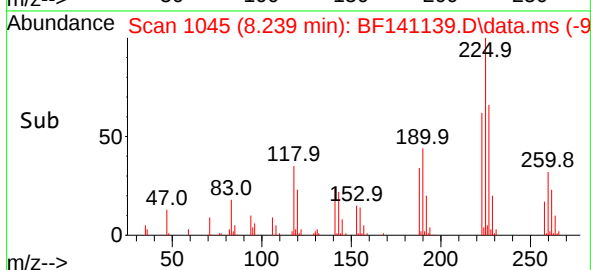
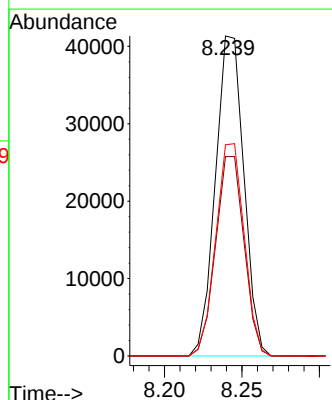
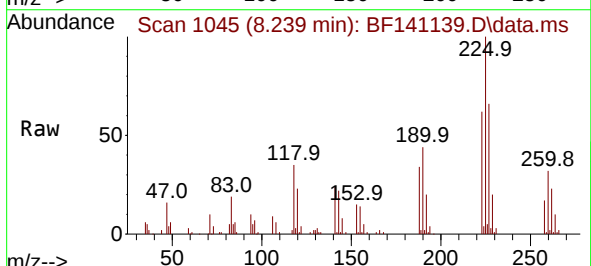
Tgt Ion:225 Resp: 52874

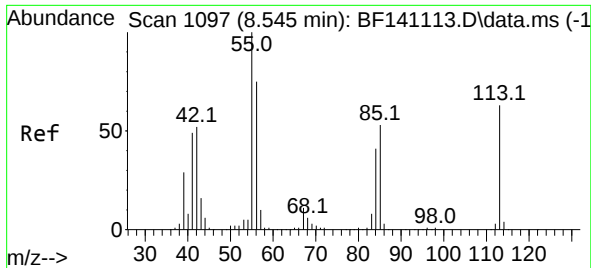
Ion Ratio Lower Upper

225 100

223 62.3 50.6 76.0

227 66.0 51.6 77.4

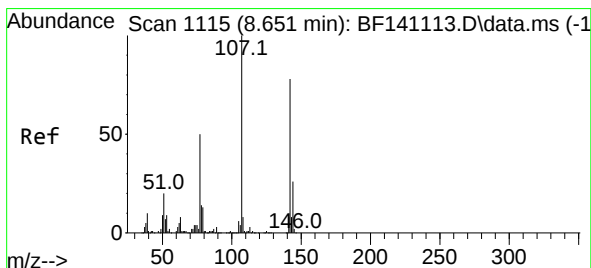
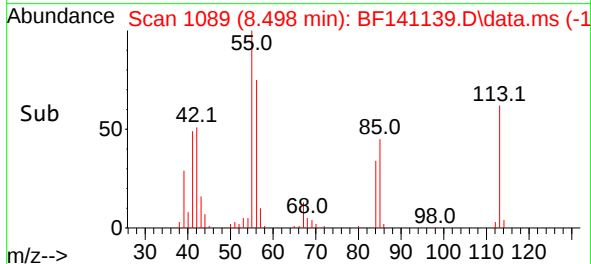
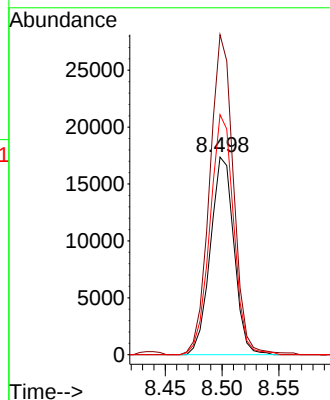
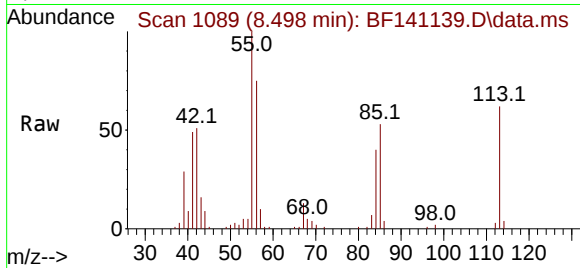




#35
 Caprolactam
 Concen: 8.278 ng
 RT: 8.498 min Scan# 1097
 Delta R.T. -0.047 min
 Lab File: BF141139.D
 Acq: 14 Jan 2025 12:19

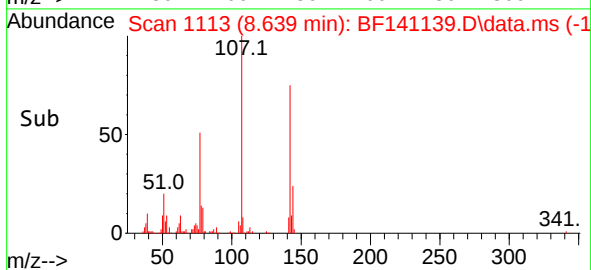
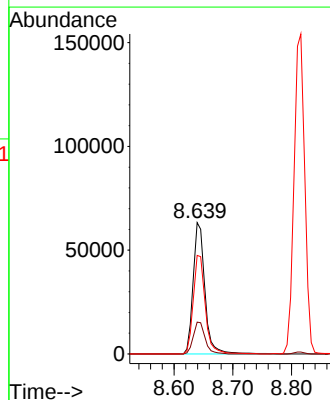
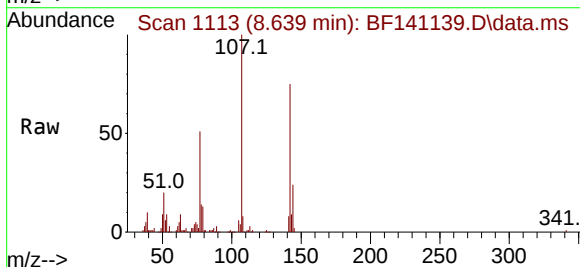
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

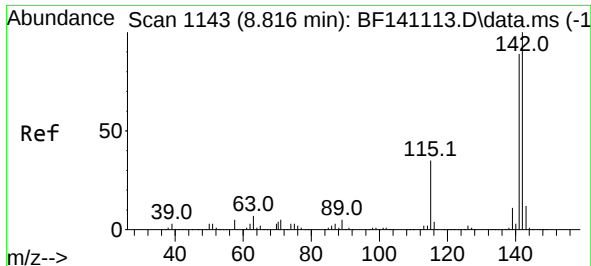
Tgt Ion:	113	Resp:	25060
Ion Ratio	Lower	Upper	
113	100		
55	161.9	139.7	179.7
56	121.4	99.4	139.4



#36
 4-Chloro-3-methylphenol
 Concen: 8.728 ng
 RT: 8.639 min Scan# 1113
 Delta R.T. -0.012 min
 Lab File: BF141139.D
 Acq: 14 Jan 2025 12:19

Tgt Ion:	107	Resp:	88263
Ion Ratio	Lower	Upper	
107	100		
144	24.2	20.4	30.6
142	75.0	62.2	93.2

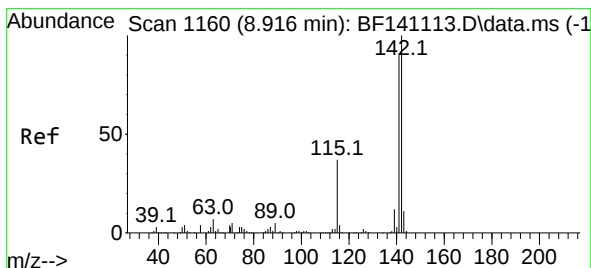
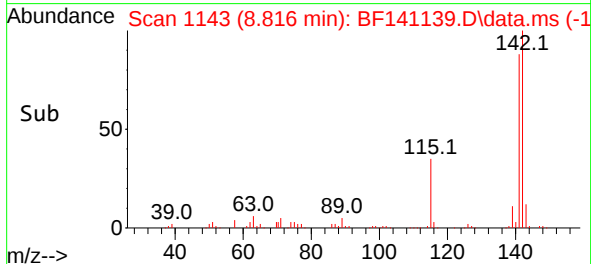
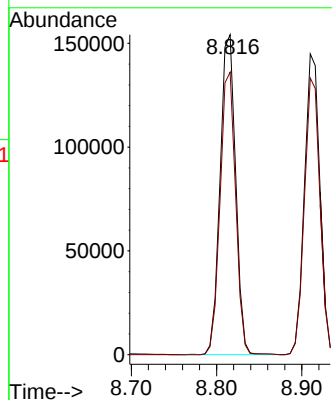
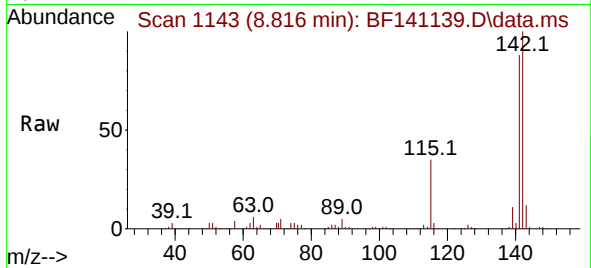




#37
2-Methylnaphthalene
Concen: 9.016 ng
RT: 8.816 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

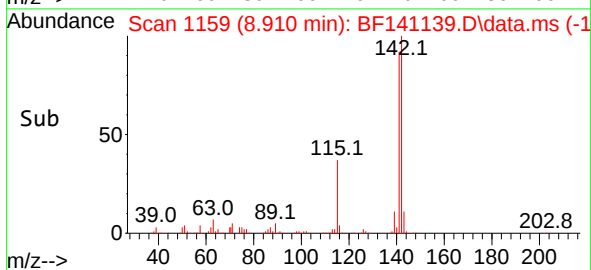
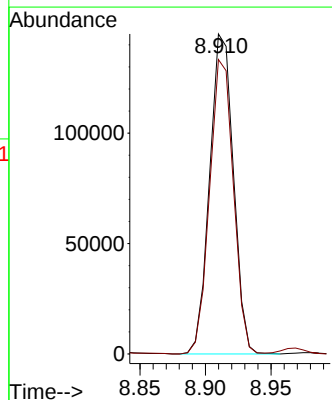
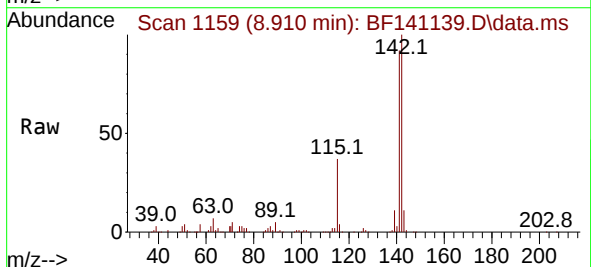
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

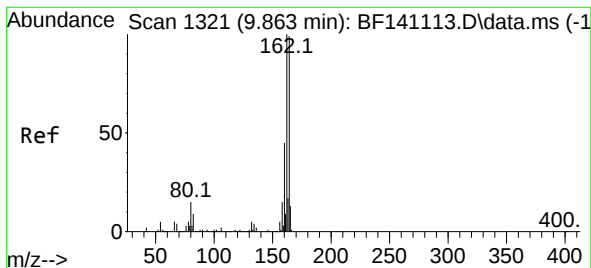
Tgt Ion:142 Resp: 195527
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9



#38
1-Methylnaphthalene
Concen: 8.556 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:142 Resp: 182866
Ion Ratio Lower Upper
142 100
141 92.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

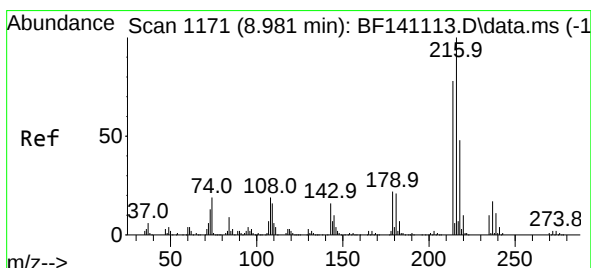
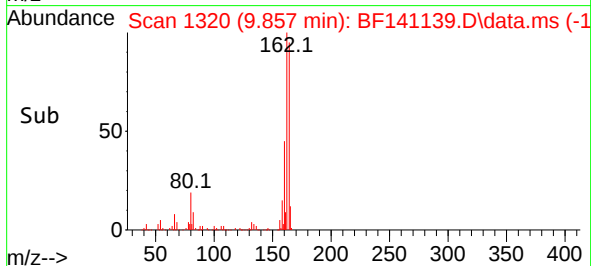
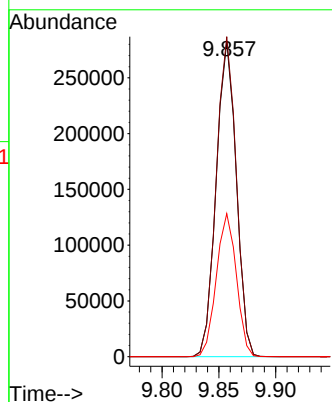
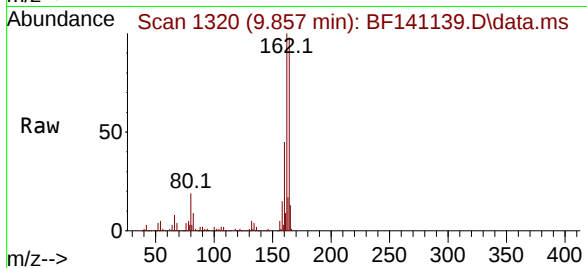
Tgt Ion:164 Resp: 347271

Ion Ratio Lower Upper

164 100

162 101.6 81.0 121.4

160 45.4 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.398 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Tgt Ion:216 Resp: 93676

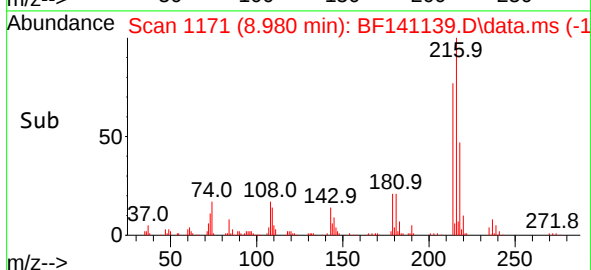
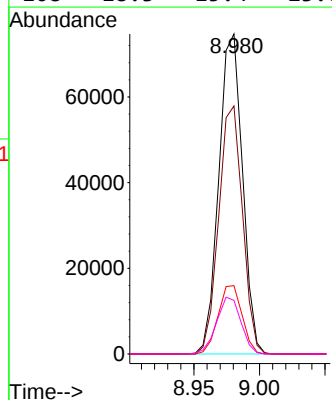
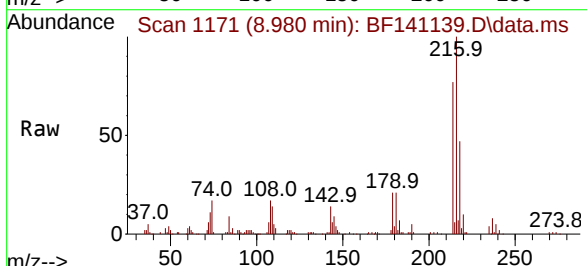
Ion Ratio Lower Upper

216 100

214 77.8 62.6 94.0

179 21.7 17.7 26.5

108 18.3 15.4 23.0

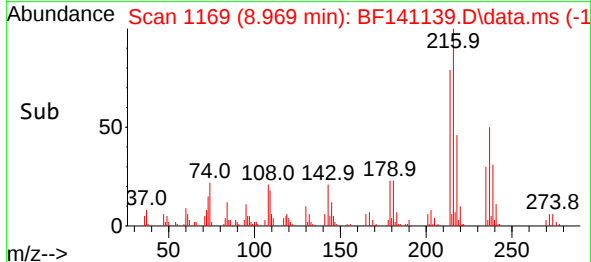
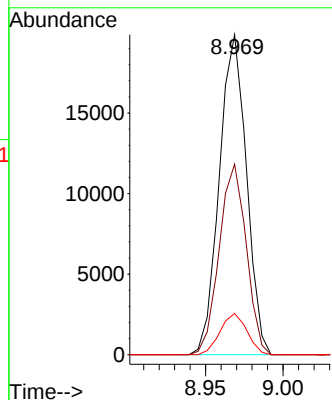
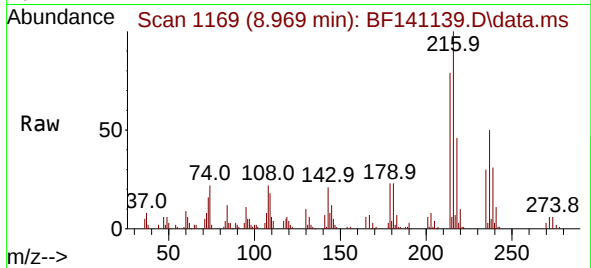




#41
Hexachlorocyclopentadiene
Concen: 7.418 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

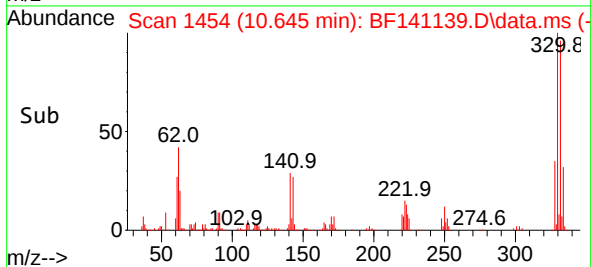
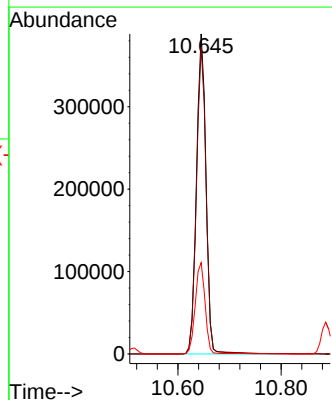
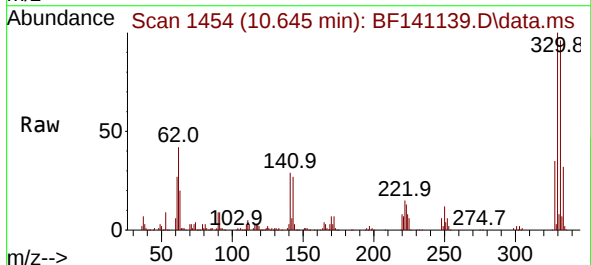
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:	237	Resp:	24191
Ion Ratio	Lower	Upper	
237	100		
235	59.5	43.0	83.0
272	12.9	0.0	33.0



#42
2,4,6-Tribromophenol
Concen: 126.156 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:	330	Resp:	499189
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.9	115.3
141	29.2	25.2	37.8





#43

2,4,6-Trichlorophenol

Concen: 8.256 ng

RT: 9.086 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

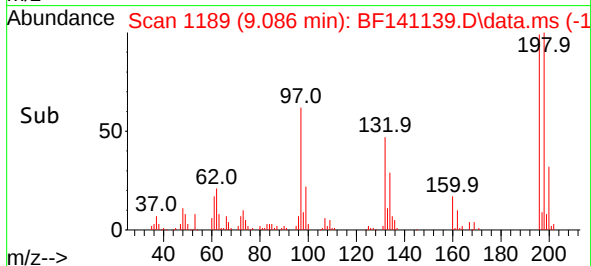
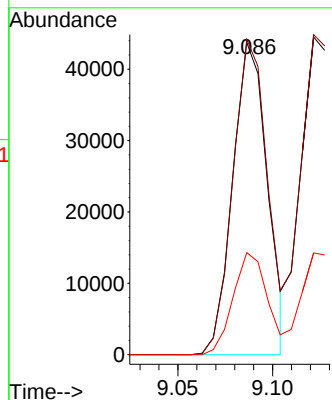
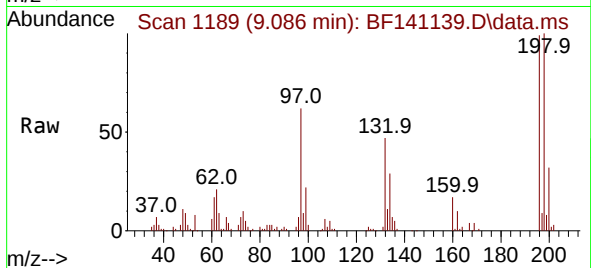
Tgt Ion:196 Resp: 55500

Ion Ratio Lower Upper

196 100

198 100.9 80.8 121.2

200 32.7 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 8.540 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Tgt Ion:196 Resp: 60630

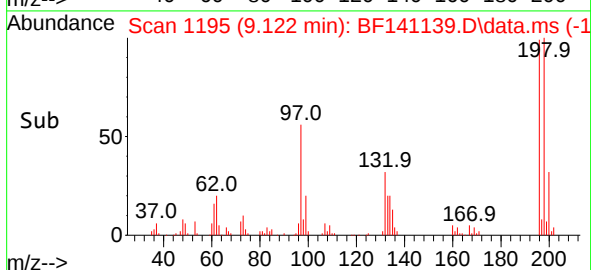
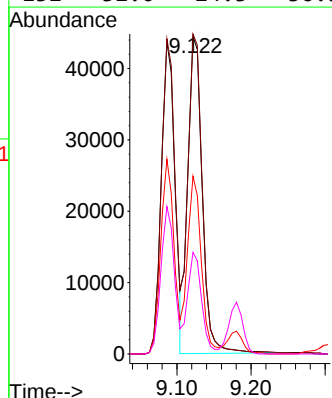
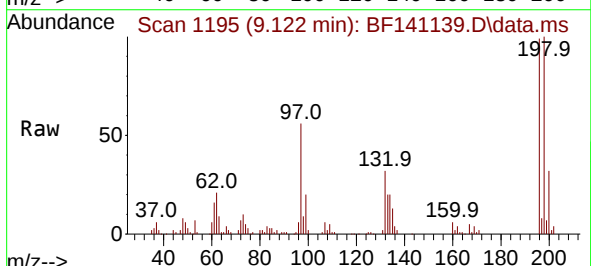
Ion Ratio Lower Upper

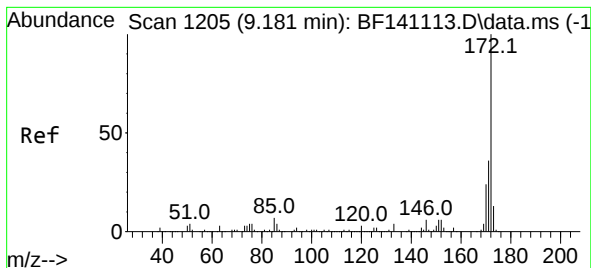
196 100

198 100.8 80.6 120.8

97 56.0 43.1 64.7

132 32.0 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 82.432 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

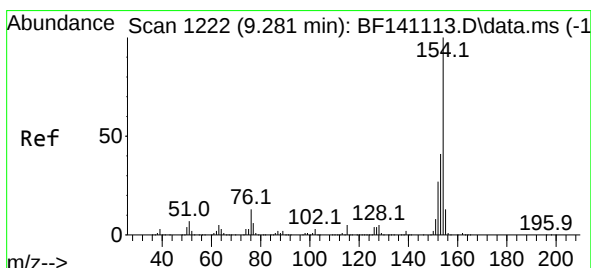
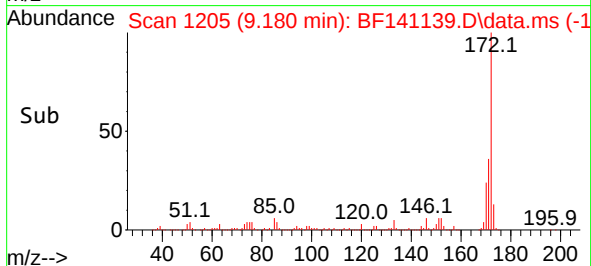
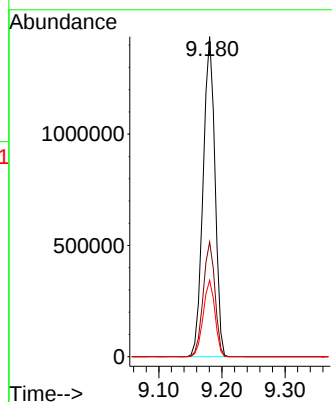
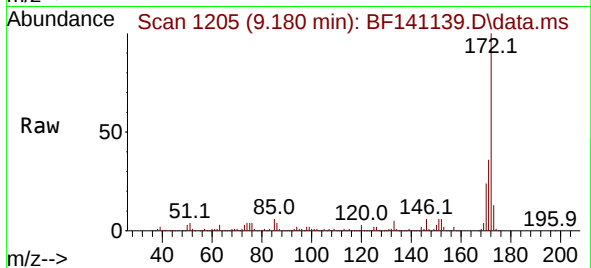
Tgt Ion:172 Resp: 1874623

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 9.453 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

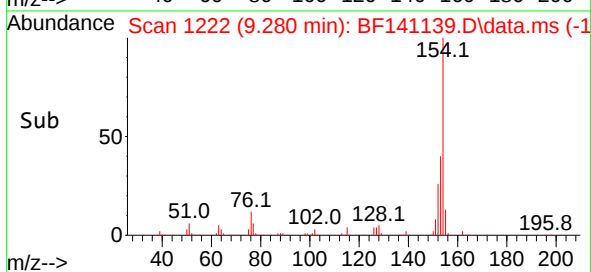
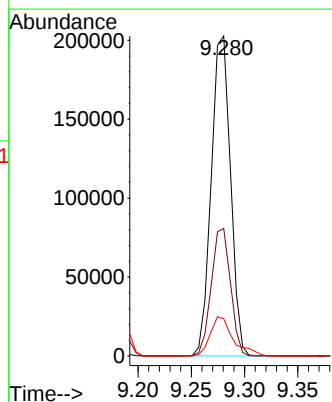
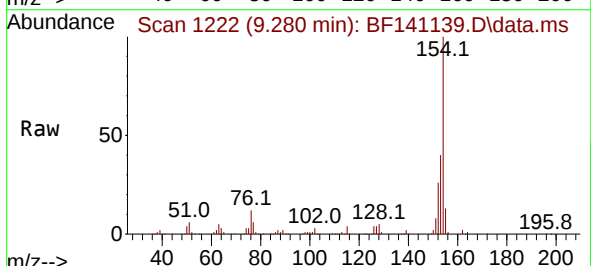
Tgt Ion:154 Resp: 254936

Ion Ratio Lower Upper

154 100

153 39.8 20.7 60.7

76 11.6 0.0 33.1

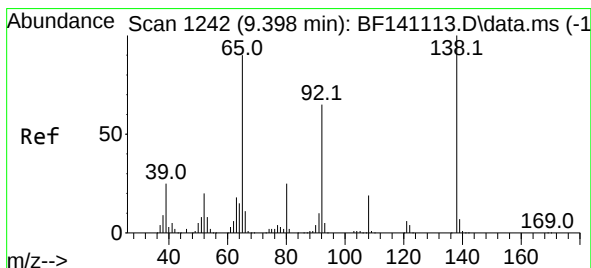
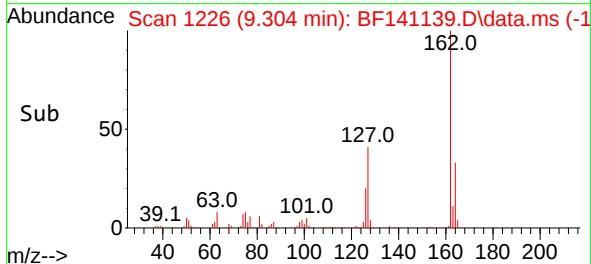
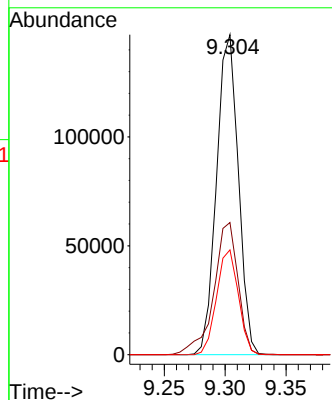
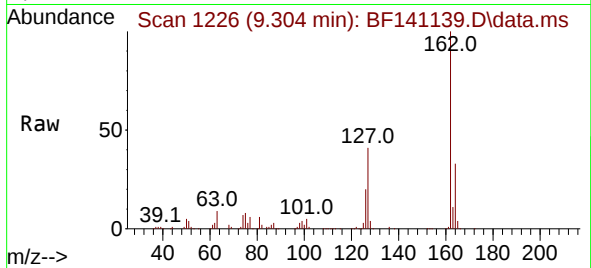




#47
2-Chloronaphthalene
Concen: 8.715 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

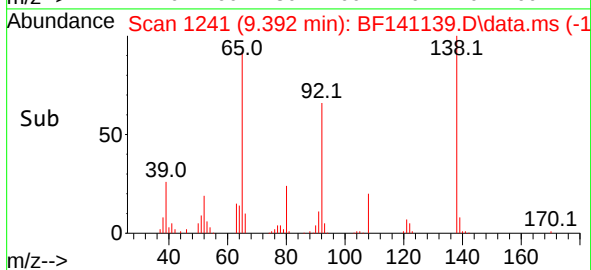
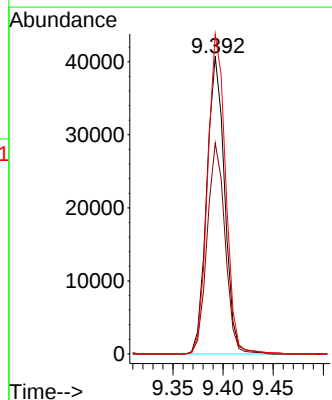
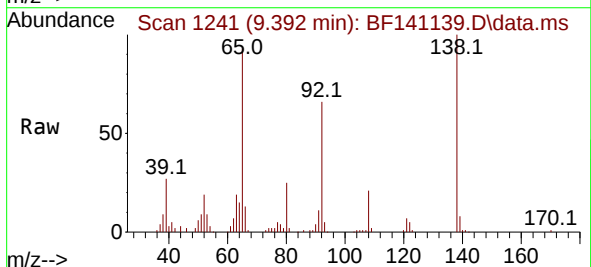
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2024

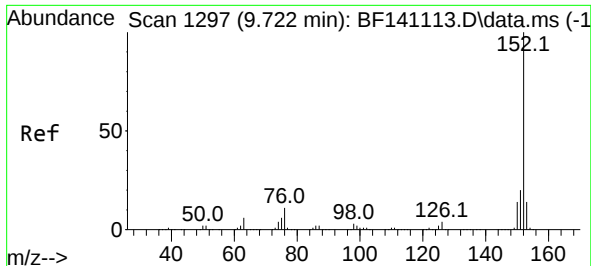
Tgt Ion:162 Resp: 183059
Ion Ratio Lower Upper
162 100
127 41.3 34.6 51.8
164 32.8 26.5 39.7



#48
2-Nitroaniline
Concen: 8.121 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion: 65 Resp: 50566
Ion Ratio Lower Upper
65 100
92 70.9 58.3 87.5
138 107.5 89.1 133.7

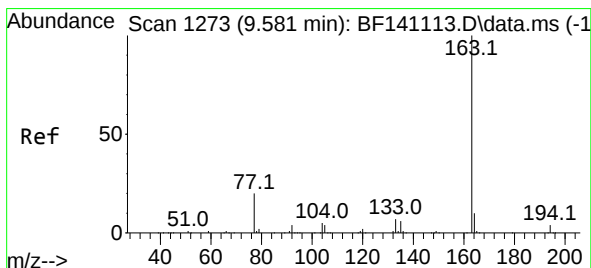
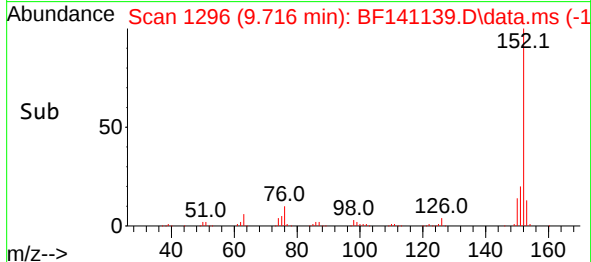
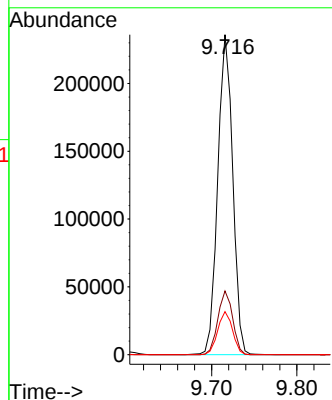
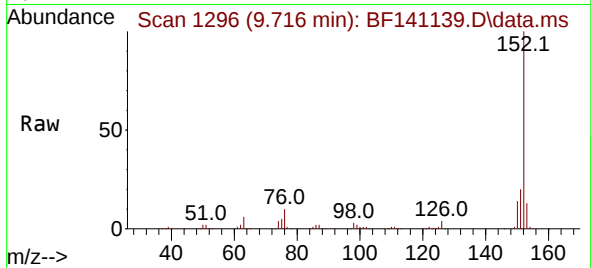




#49
Acenaphthylene
Concen: 9.594 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

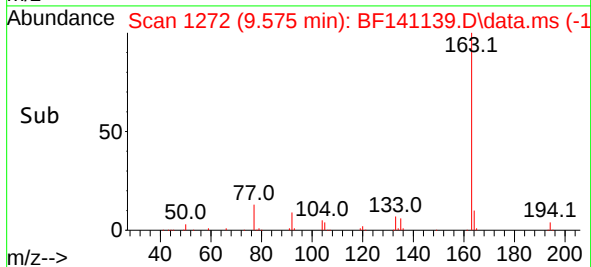
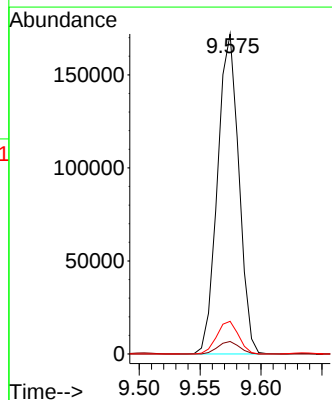
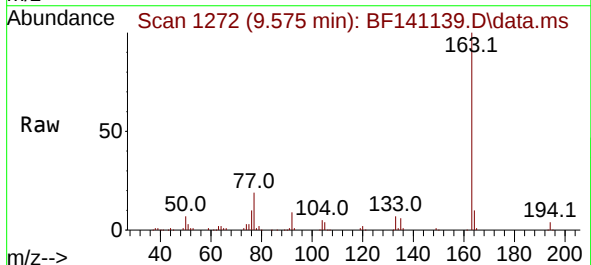
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

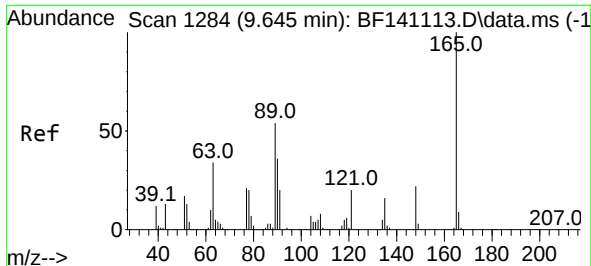
Tgt Ion:152 Resp: 287930
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 13.5 11.1 16.7



#50
Dimethylphthalate
Concen: 9.003 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:163 Resp: 209895
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.2 8.2 12.4

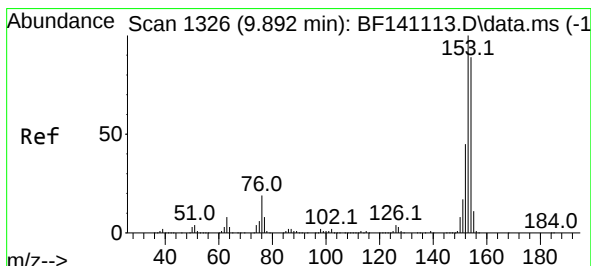
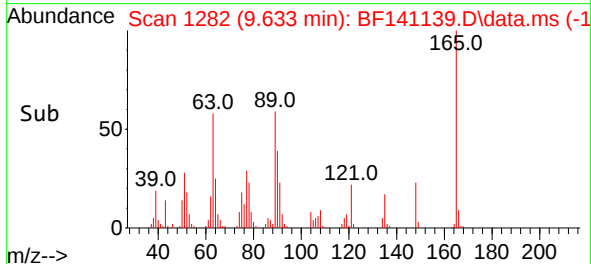
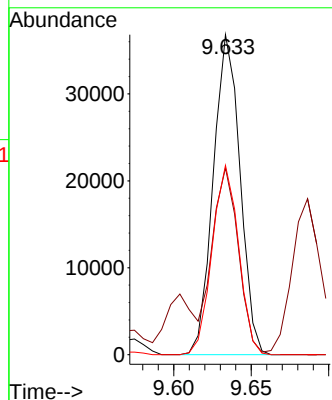
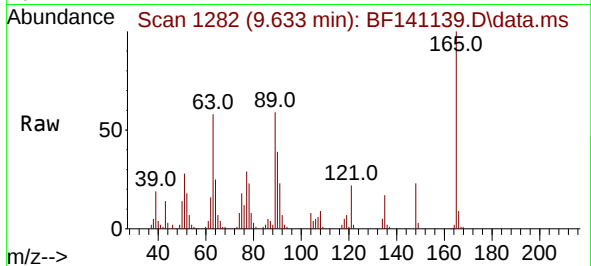




#51
2,6-Dinitrotoluene
Concen: 8.151 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

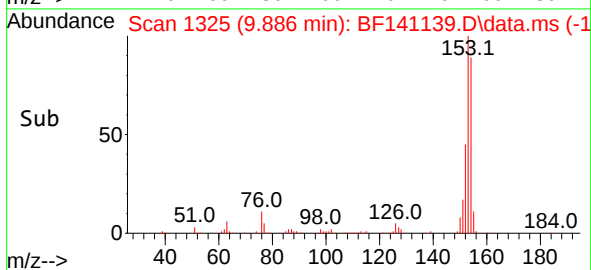
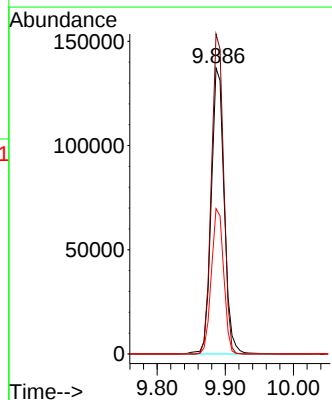
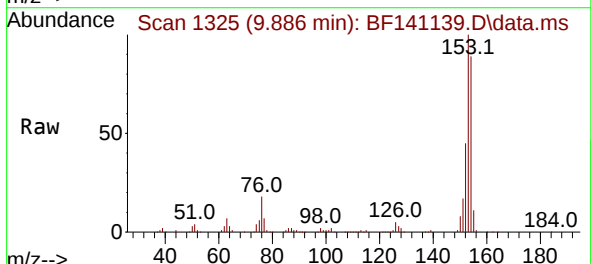
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

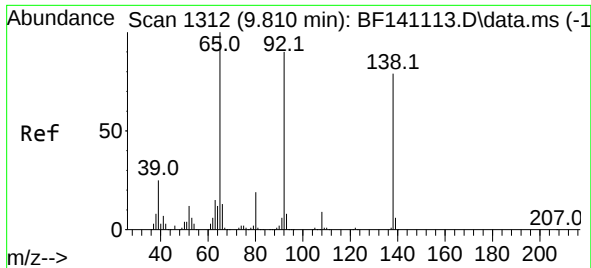
Tgt Ion:165 Resp: 44191
Ion Ratio Lower Upper
165 100
63 58.3 42.3 63.5
89 59.2 43.1 64.7



#52
Acenaphthene
Concen: 8.646 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:154 Resp: 181284
Ion Ratio Lower Upper
154 100
153 111.9 89.8 134.6
152 50.8 40.8 61.2

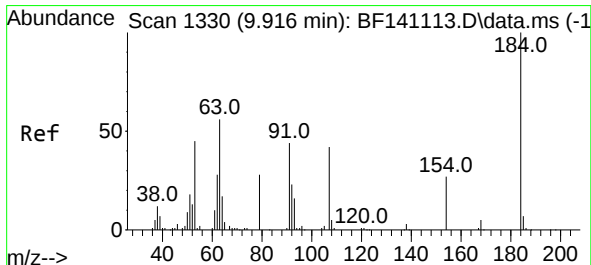
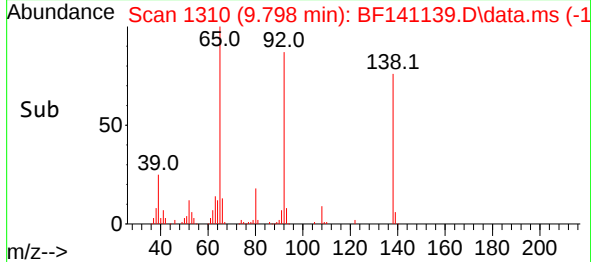
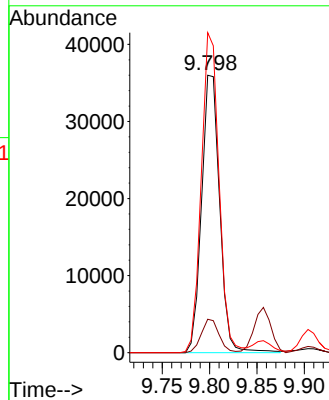
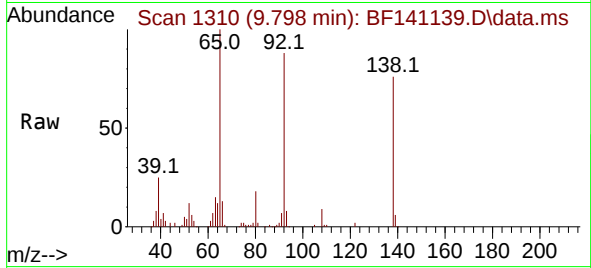




#53
3-Nitroaniline
Concen: 8.694 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

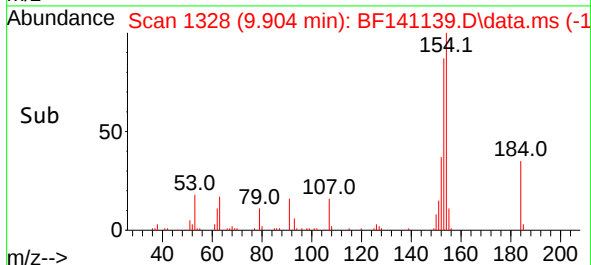
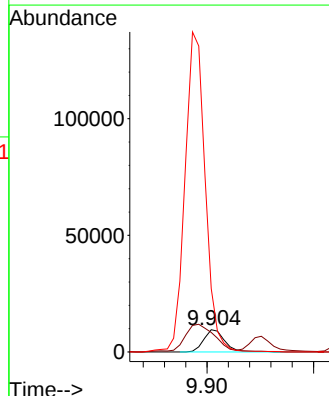
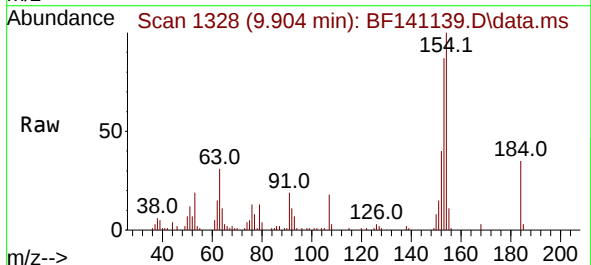
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

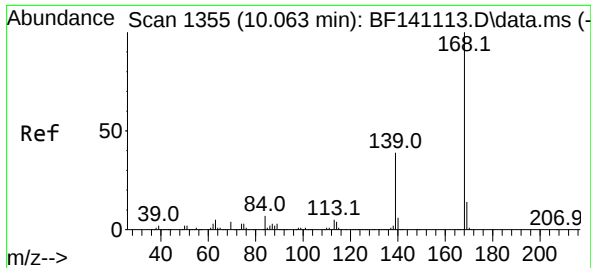
Tgt Ion:138 Resp: 47897
Ion Ratio Lower Upper
138 100
108 12.1 8.8 13.2
92 115.4 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 5.085 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:184 Resp: 13104
Ion Ratio Lower Upper
184 100
63 87.9 48.7 73.1#
154 286.0 57.1 85.7#

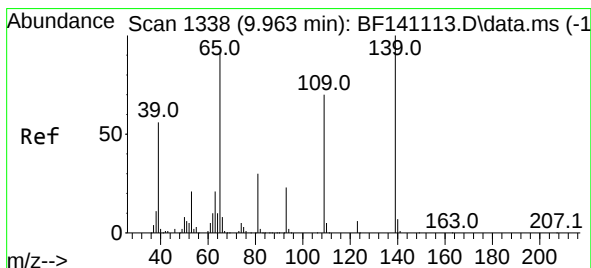
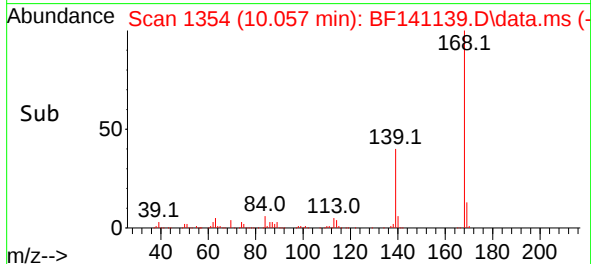
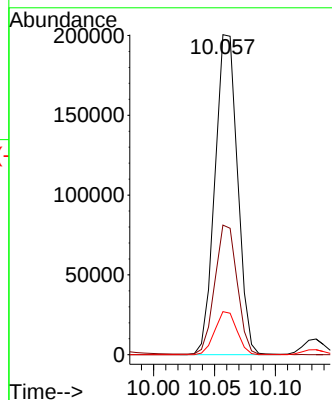
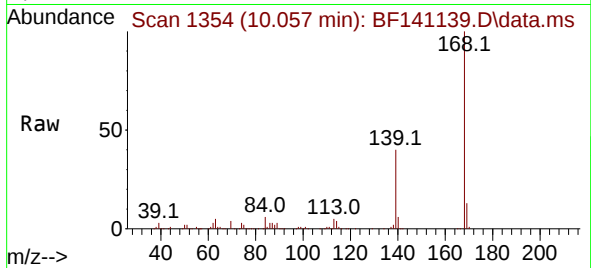




#55
Dibenzenofuran
Concen: 9.076 ng
RT: 10.057 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF1411139.D
Acq: 14 Jan 2025 12:19

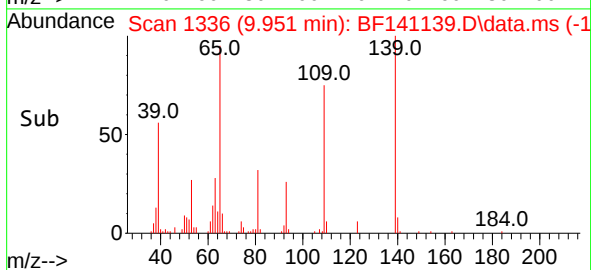
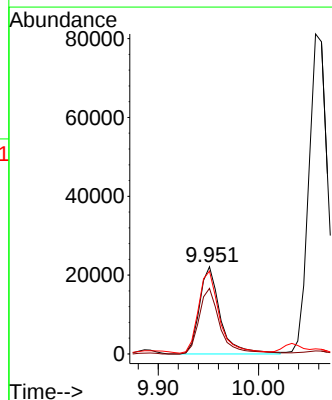
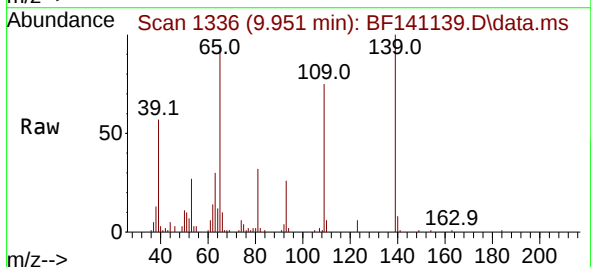
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2024

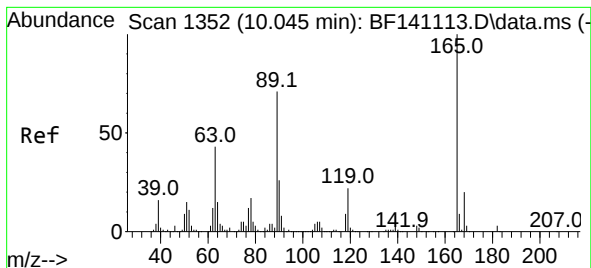
Tgt Ion:168 Resp: 258840
Ion Ratio Lower Upper
168 100
139 40.5 31.4 47.0
169 13.4 10.9 16.3



#56
4-Nitrophenol
Concen: 7.453 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF1411139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:139 Resp: 32156
Ion Ratio Lower Upper
139 100
109 75.2 50.2 90.2
65 94.9 72.1 112.1

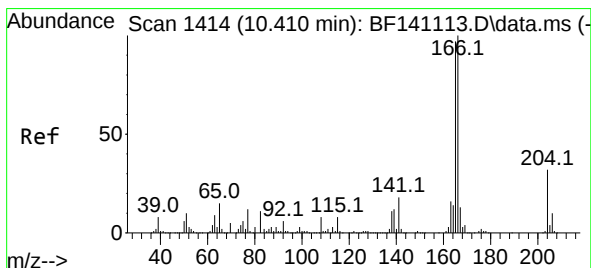
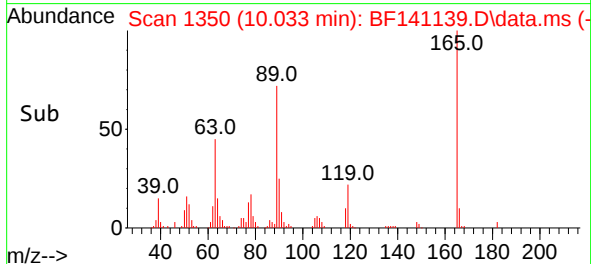
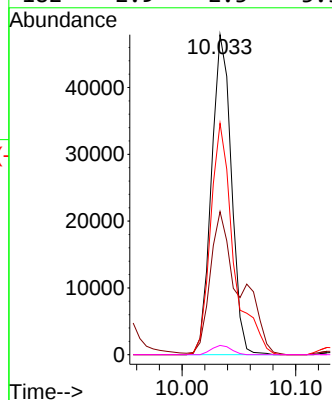
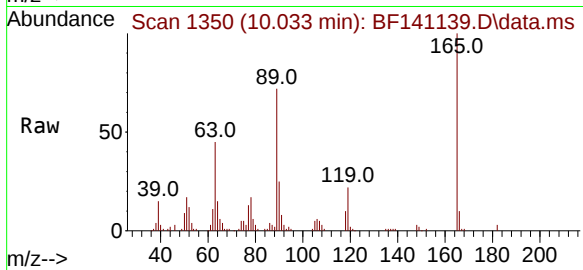




#57
2,4-Dinitrotoluene
Concen: 8.365 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

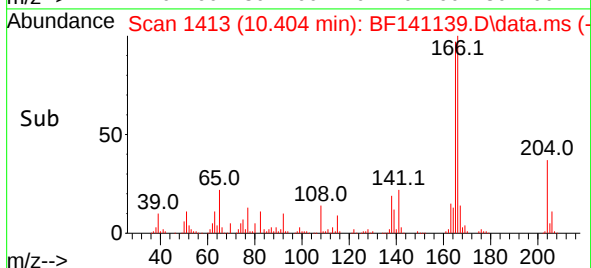
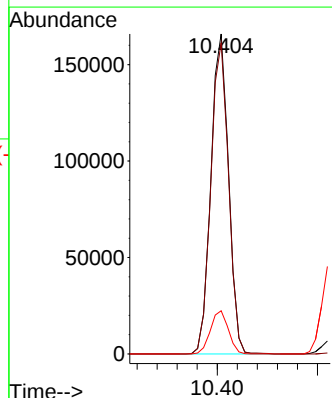
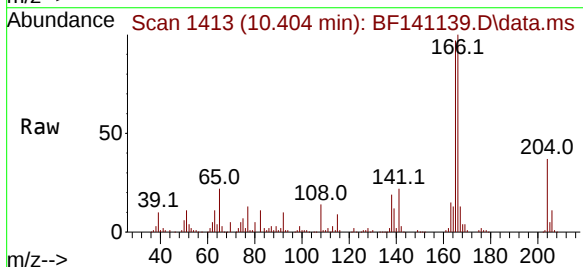
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:165 Resp: 58443
Ion Ratio Lower Upper
165 100
63 44.7 35.0 52.4
89 72.3 56.7 85.1
182 2.9 2.3 3.5



#58
Fluorene
Concen: 9.136 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:166 Resp: 202432
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.8
167 13.5 10.8 16.2

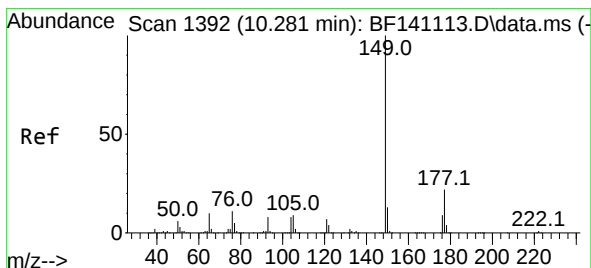
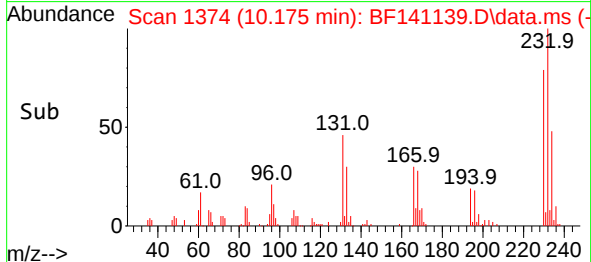
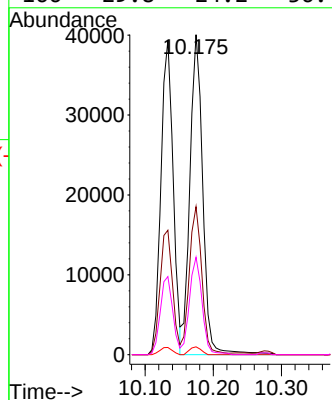
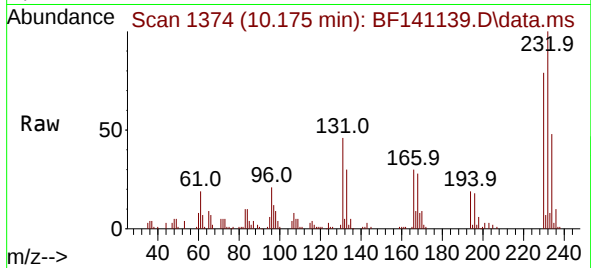




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.859 ng
RT: 10.175 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

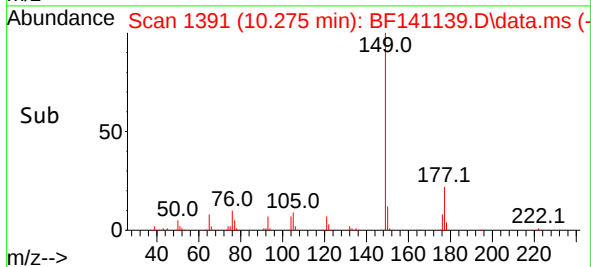
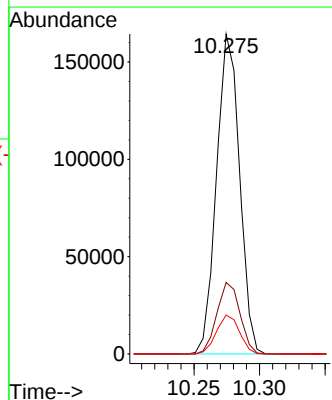
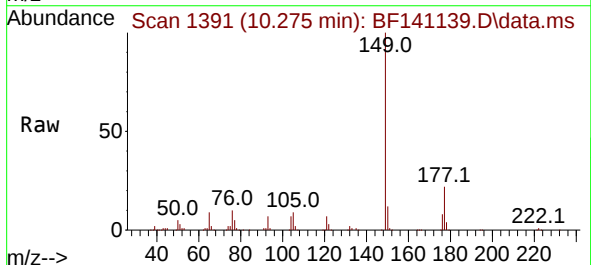
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

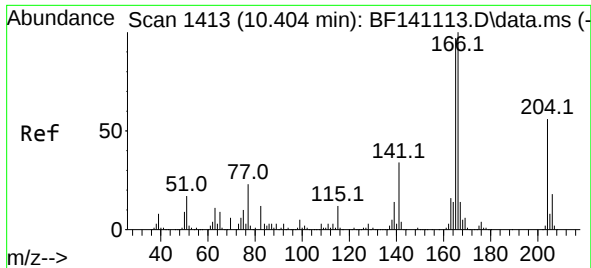
Tgt Ion:232 Resp: 52279
Ion Ratio Lower Upper
232 100
131 44.1 36.2 54.4
130 2.2 2.0 3.0
166 29.8 24.2 36.4



#60
Diethylphthalate
Concen: 8.810 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:149 Resp: 200507
Ion Ratio Lower Upper
149 100
177 22.3 17.9 26.9
150 12.2 10.2 15.2

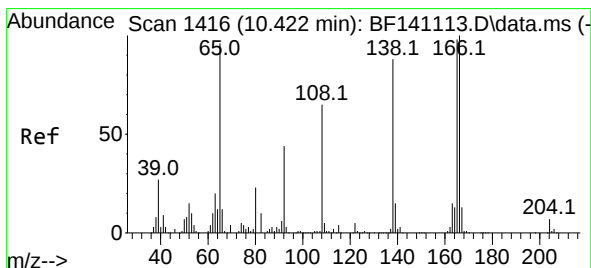
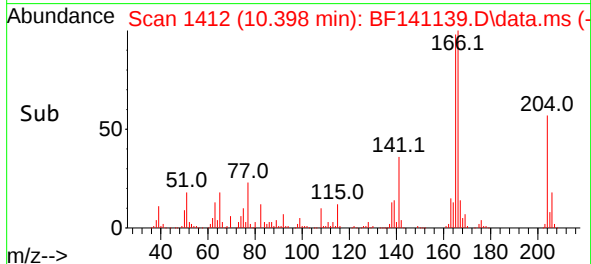
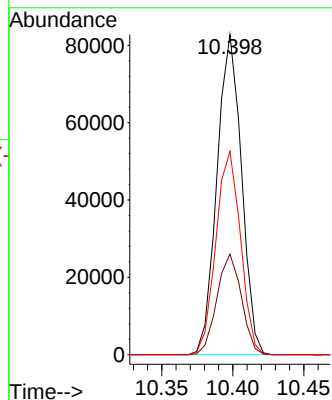
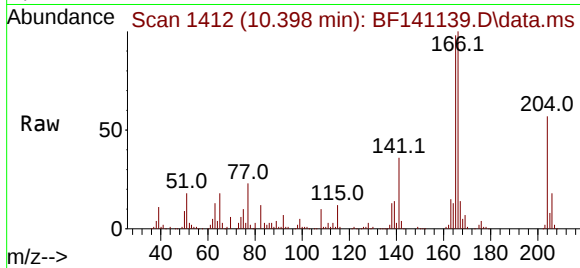




#61
4-Chlorophenyl-phenylether
Concen: 9.202 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

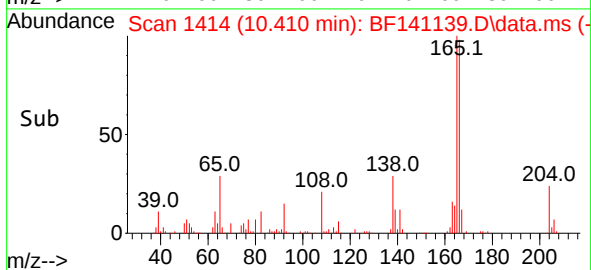
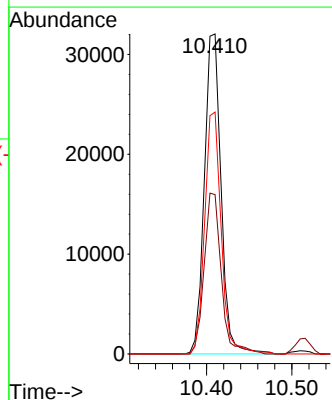
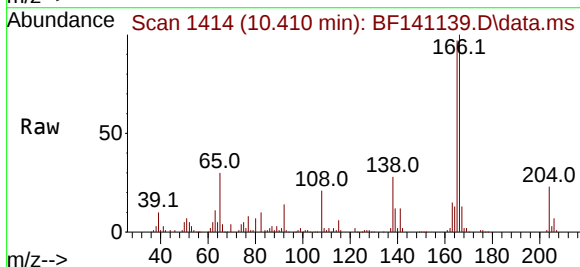
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

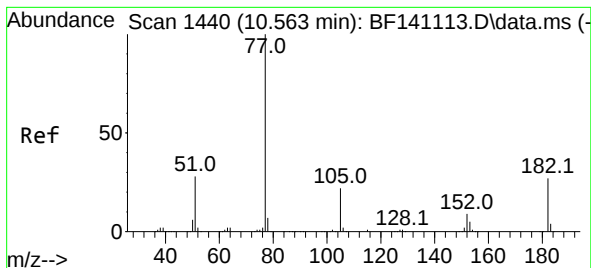
Tgt Ion:204 Resp: 99371
Ion Ratio Lower Upper
204 100
206 31.4 25.9 38.9
141 63.6 49.1 73.7



#62
4-Nitroaniline
Concen: 8.094 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:138 Resp: 43645
Ion Ratio Lower Upper
138 100
92 49.8 29.4 69.4
108 75.6 53.7 93.7





#63

Azobenzene

Concen: 8.761 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 77 Resp: 196763

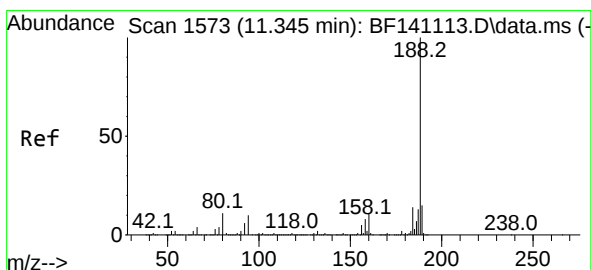
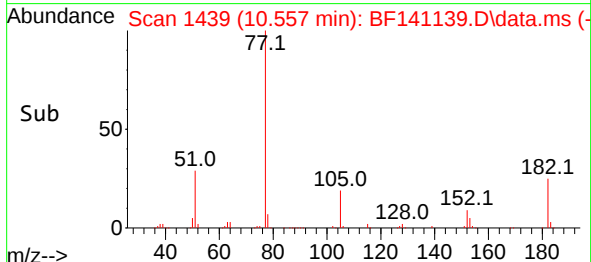
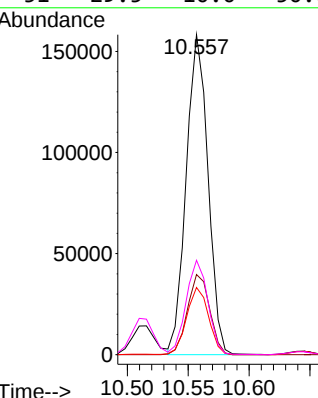
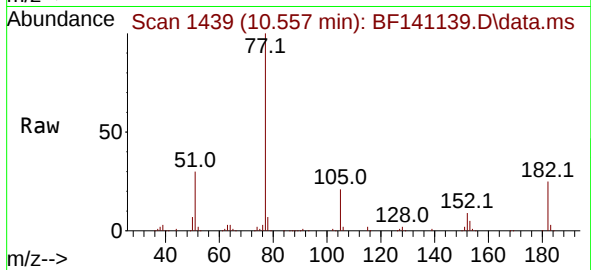
Ion Ratio Lower Upper

77 100

182 25.1 6.1 46.1

105 21.0 2.1 42.1

51 29.5 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

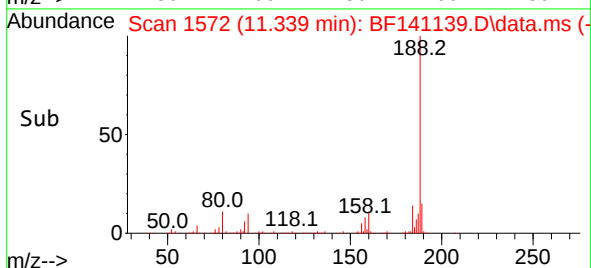
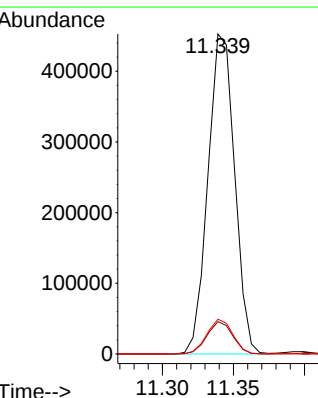
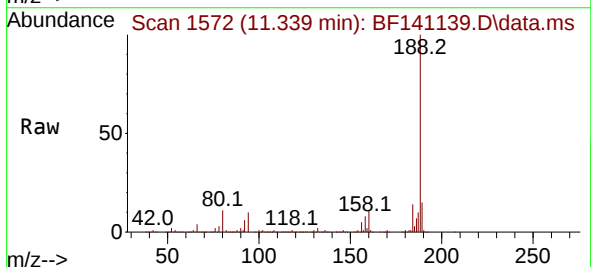
Tgt Ion:188 Resp: 591082

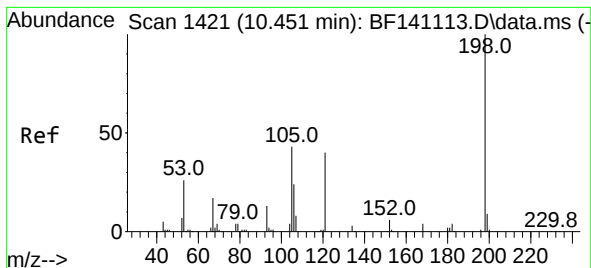
Ion Ratio Lower Upper

188 100

94 10.1 8.3 12.5

80 10.9 9.0 13.4

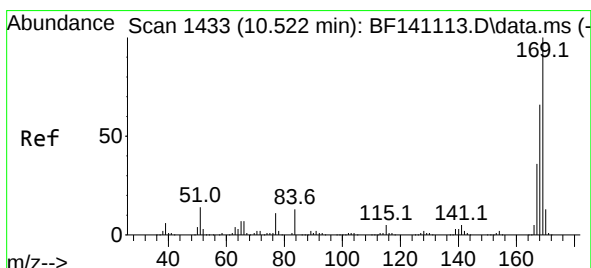
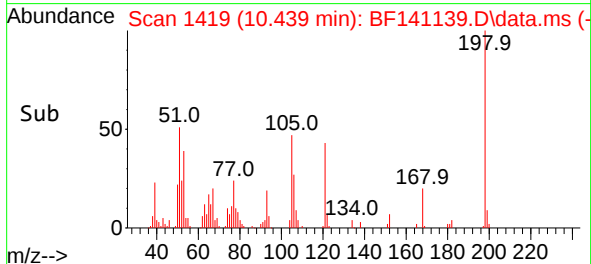
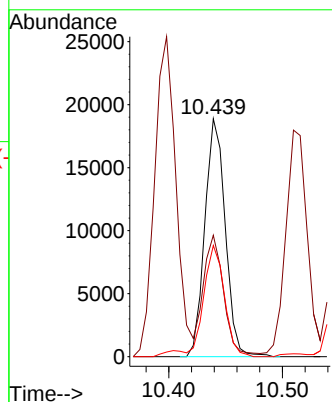
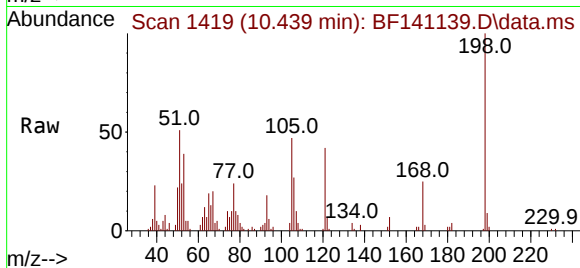




#65
4,6-Dinitro-2-methylphenol
Concen: 6.877 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

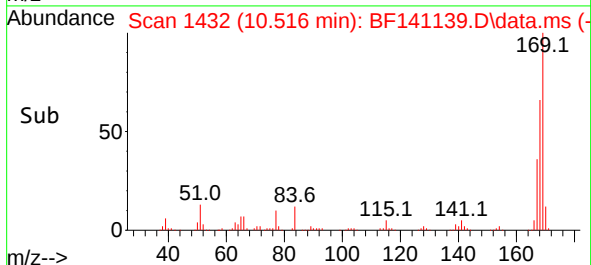
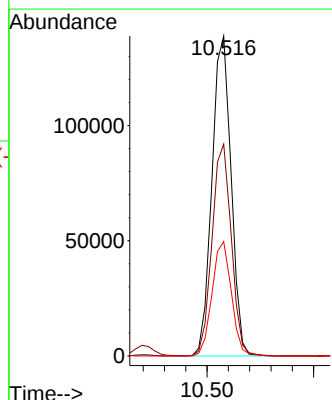
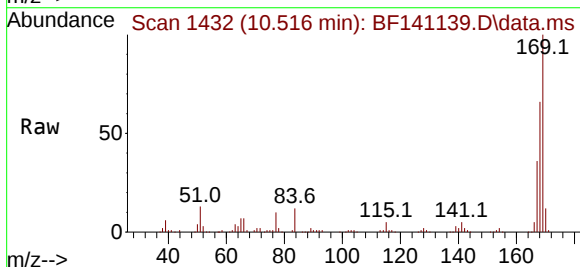
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

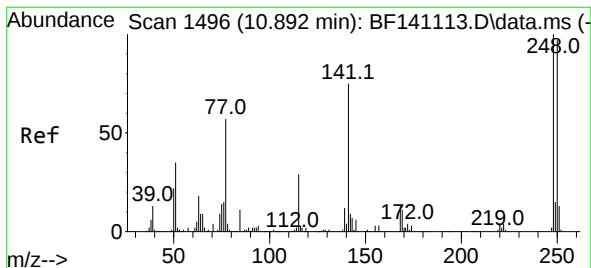
Tgt Ion:198 Resp: 23556
Ion Ratio Lower Upper
198 100
51 51.1 27.1 67.1
105 46.7 24.2 64.2



#66
n-Nitrosodiphenylamine
Concen: 9.091 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:169 Resp: 173316
Ion Ratio Lower Upper
169 100
168 66.2 52.5 78.7
167 35.8 28.9 43.3

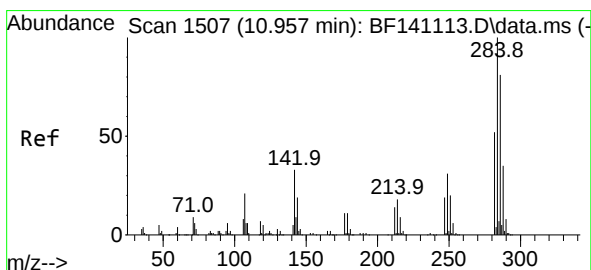
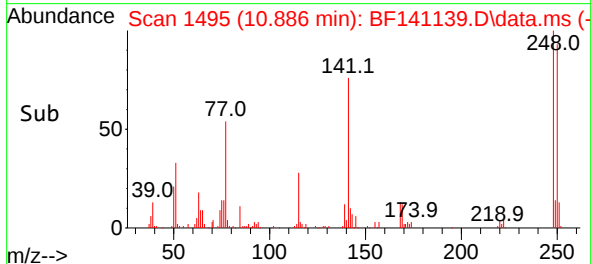
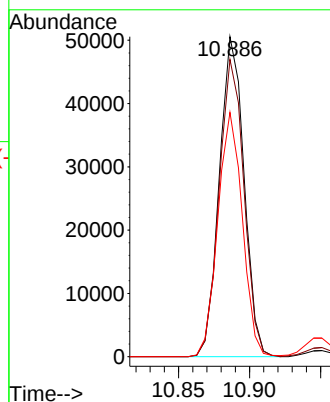
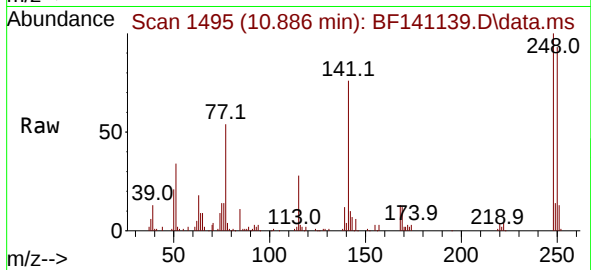




#67
4-Bromophenyl-phenylether
Concen: 8.975 ng
RT: 10.886 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

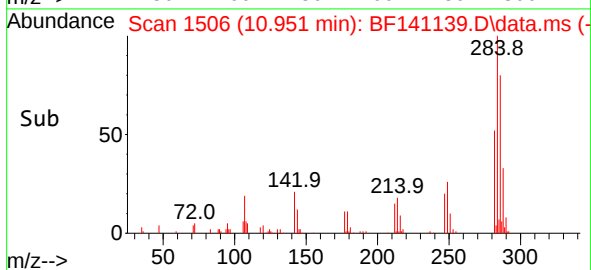
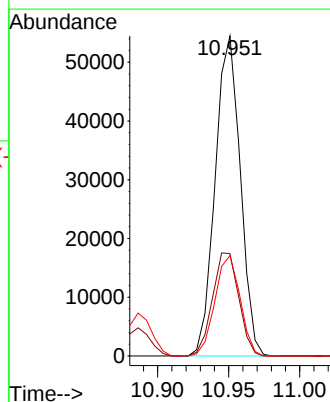
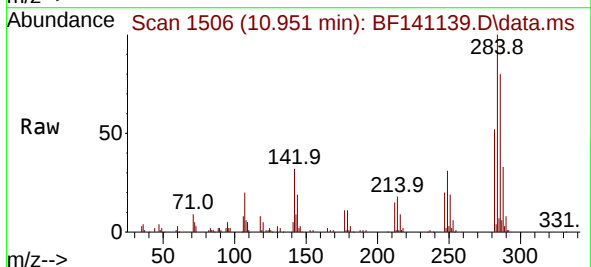
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

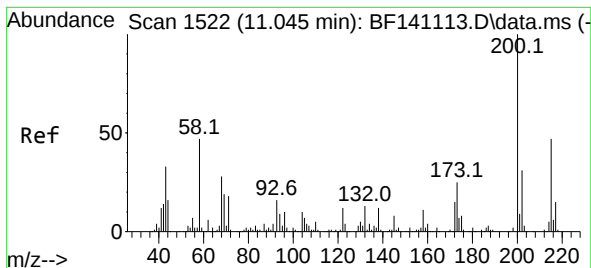
Tgt Ion:248 Resp: 61076
Ion Ratio Lower Upper
248 100
250 92.9 77.9 116.9
141 76.4 59.9 89.9



#68
Hexachlorobenzene
Concen: 8.836 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:284 Resp: 66938
Ion Ratio Lower Upper
284 100
142 32.0 26.3 39.5
249 31.4 24.9 37.3





#69

Atrazine

Concen: 10.858 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

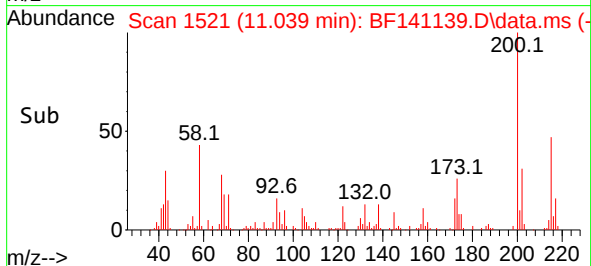
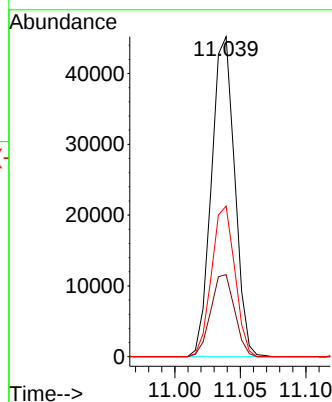
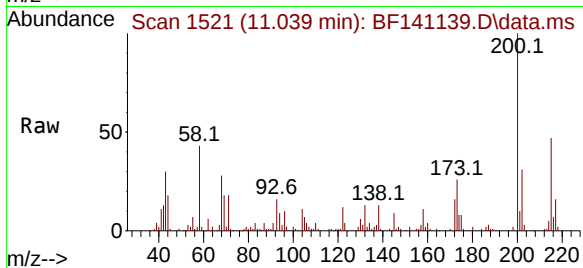
Tgt Ion:200 Resp: 55740

Ion Ratio Lower Upper

200 100

173 25.7 5.4 45.4

215 47.0 26.6 66.6



#70

Pentachlorophenol

Concen: 7.001 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

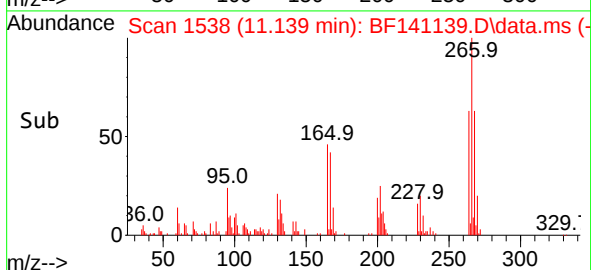
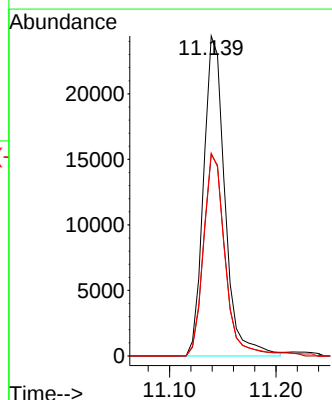
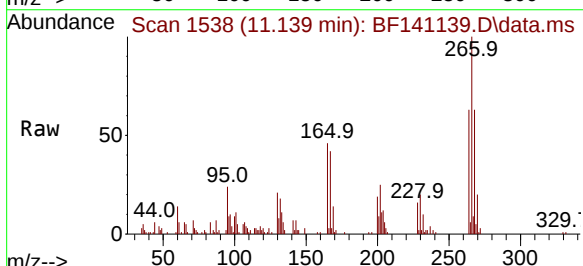
Tgt Ion:266 Resp: 33966

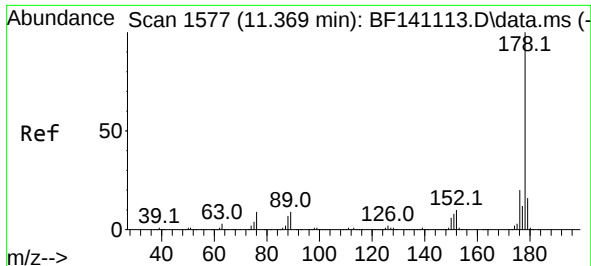
Ion Ratio Lower Upper

266 100

268 62.9 50.4 75.6

264 63.4 50.2 75.2

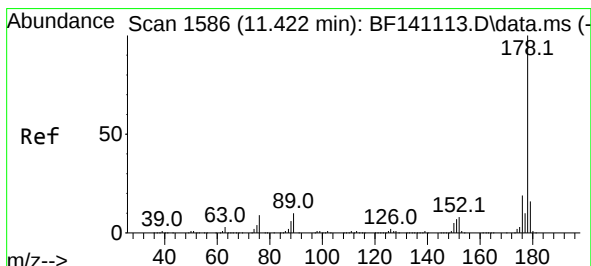
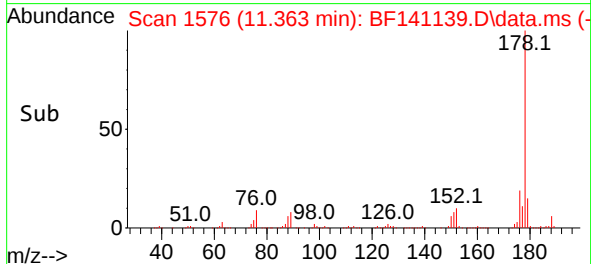
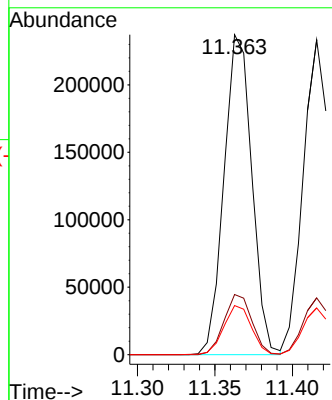
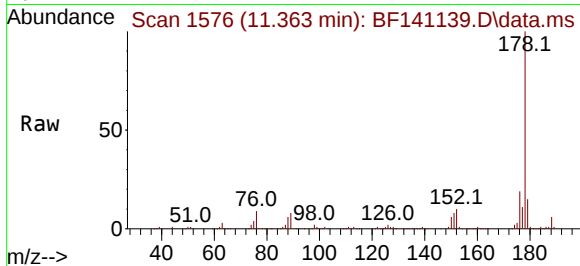




#71
Phenanthrene
Concen: 9.345 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

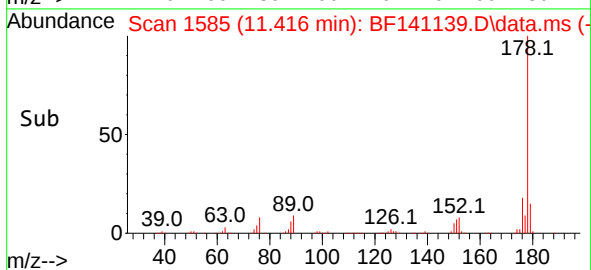
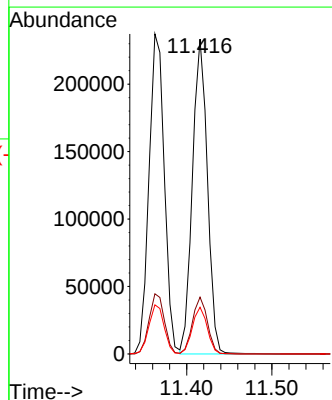
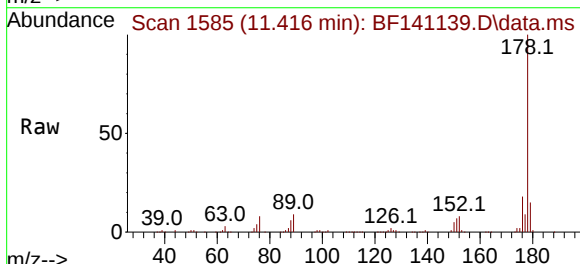
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:178 Resp: 296554
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.4 12.6 19.0



#72
Anthracene
Concen: 9.237 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:178 Resp: 285003
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 14.8 12.6 19.0

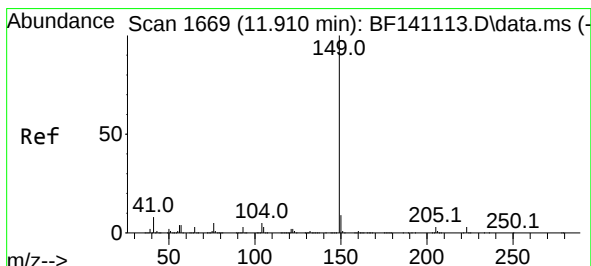
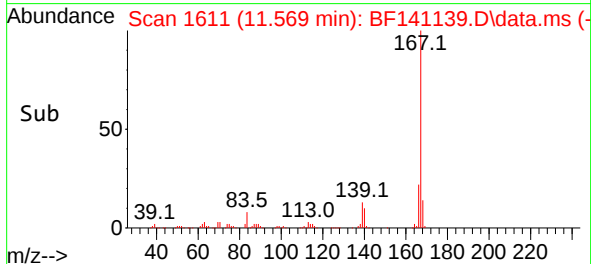
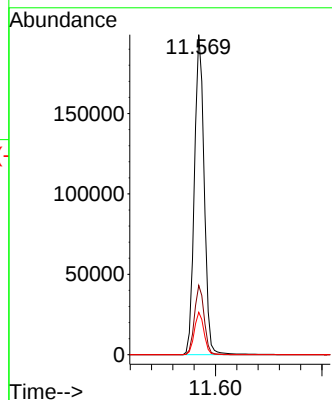
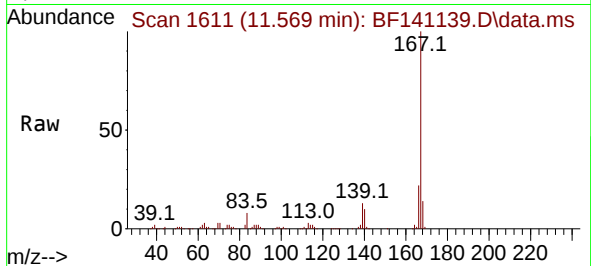




#73
Carbazole
Concen: 8.960 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

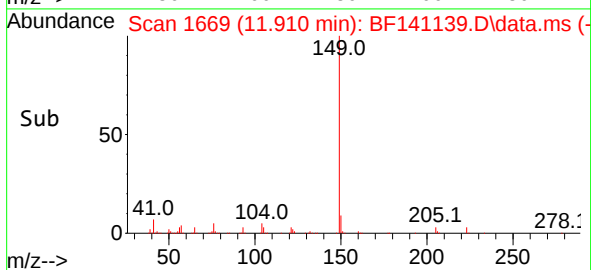
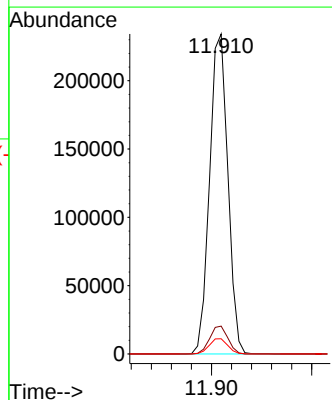
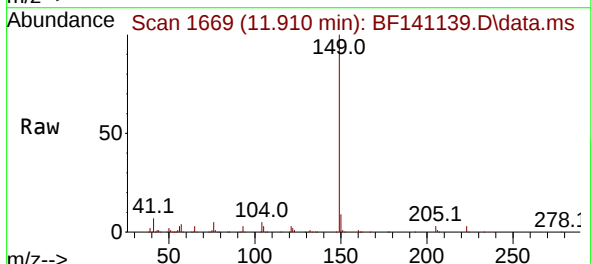
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

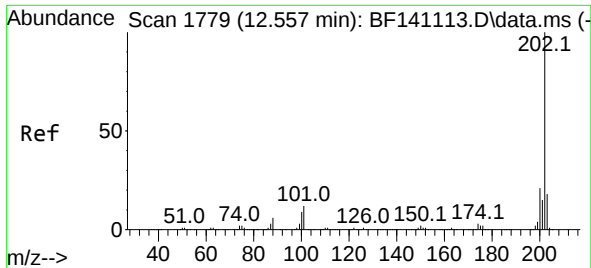
Tgt Ion:167 Resp: 253501
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.2 10.9 16.3



#74
Di-n-butylphthalate
Concen: 9.156 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:149 Resp: 296458
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.2
104 4.7 4.2 6.2

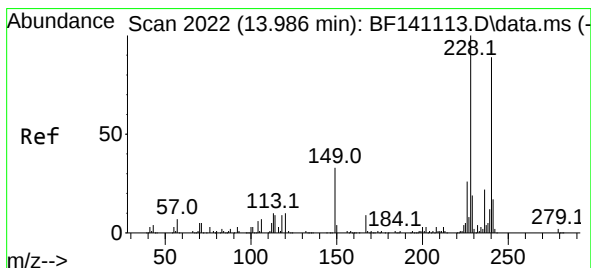
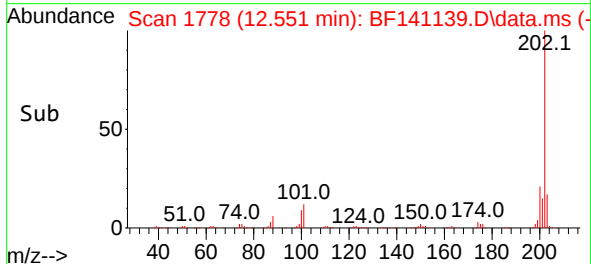
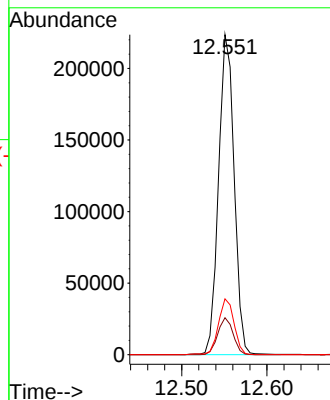
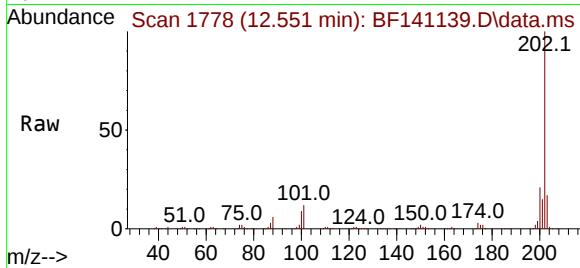




#75
Fluoranthene
Concen: 8.987 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

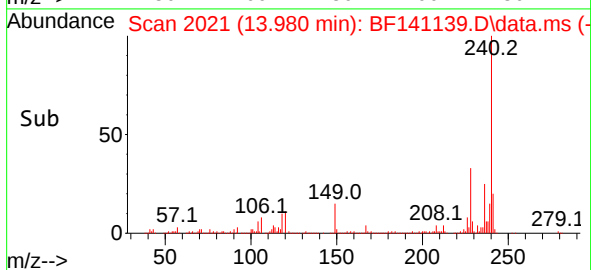
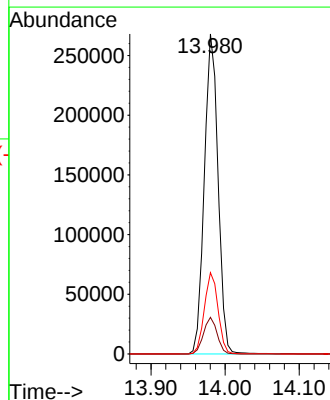
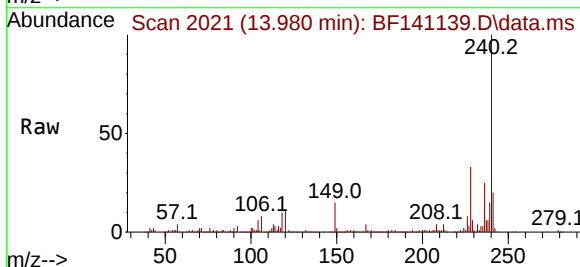
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:	202	Resp:	284605
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.3
203	17.5	0.0	37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:	240	Resp:	345133
Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.1	13.7
236	25.4	19.8	29.6

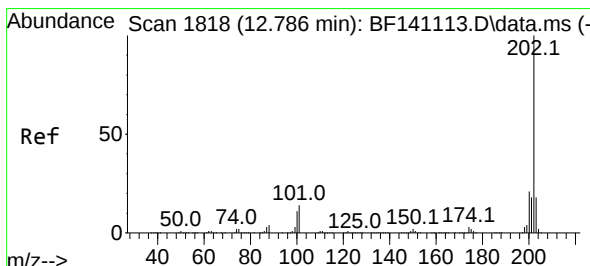
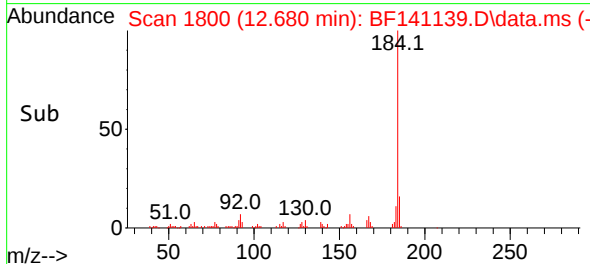
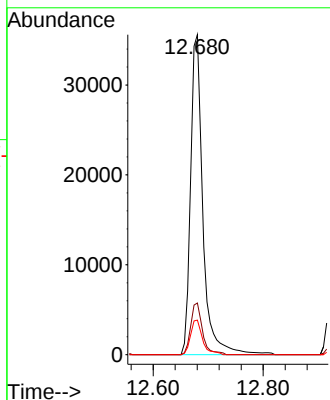
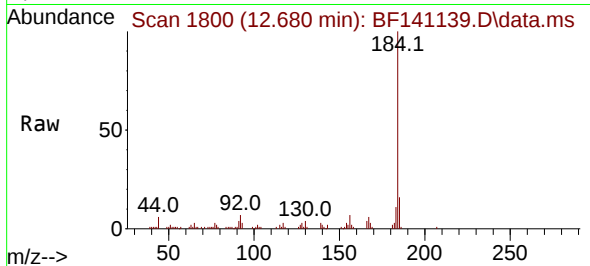




#77
Benzidine
Concen: 8.621 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

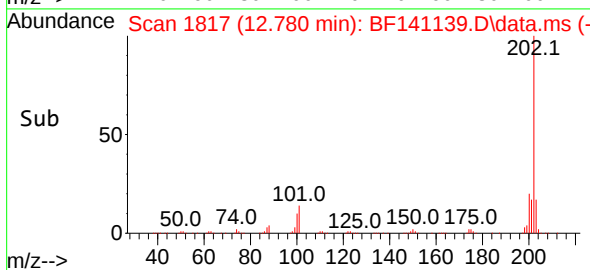
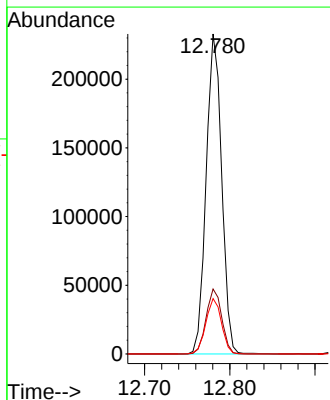
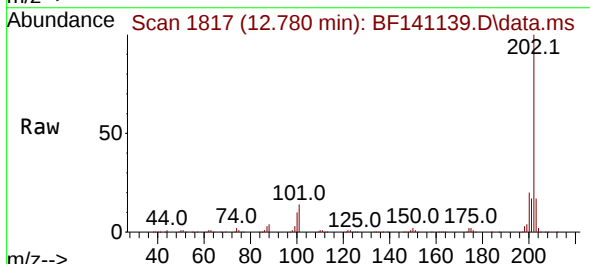
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:184	Resp:	55175
Ion Ratio	Lower	Upper
184	100	
185	16.2	11.4 17.0
183	10.8	9.2 13.8



#78
Pyrene
Concen: 8.918 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:202	Resp:	293979
Ion Ratio	Lower	Upper
202	100	
200	20.3	16.8 25.2
203	17.3	14.3 21.5





#79

Terphenyl-d14

Concen: 82.360 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

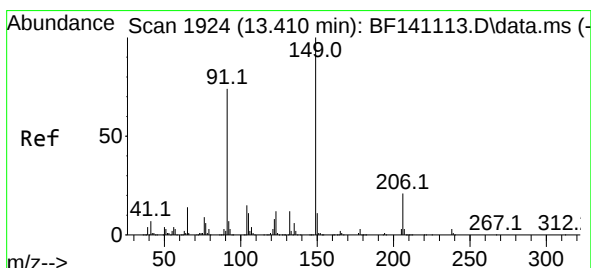
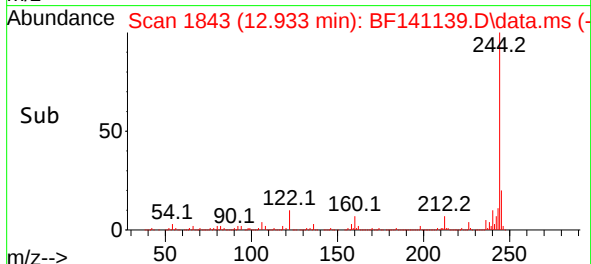
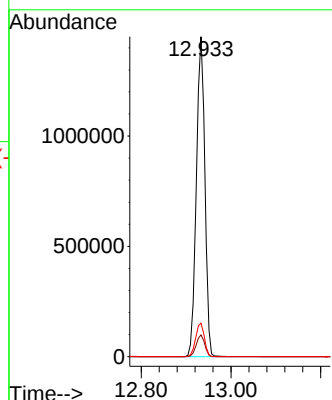
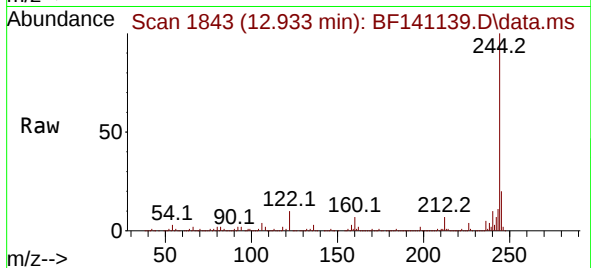
Tgt Ion:244 Resp: 1912466

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.5 8.8 13.2



#80

Butylbenzylphthalate

Concen: 8.361 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

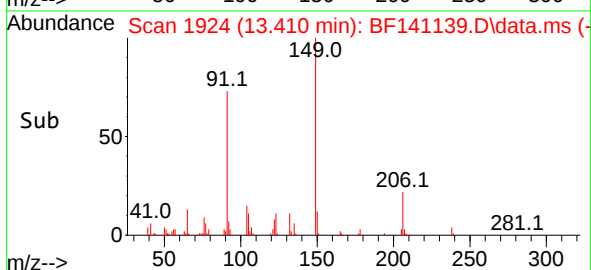
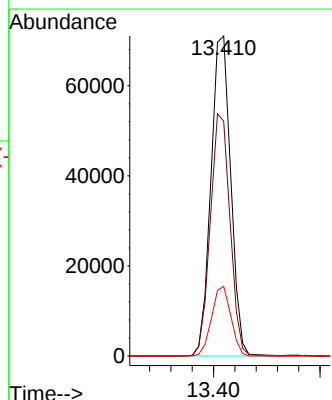
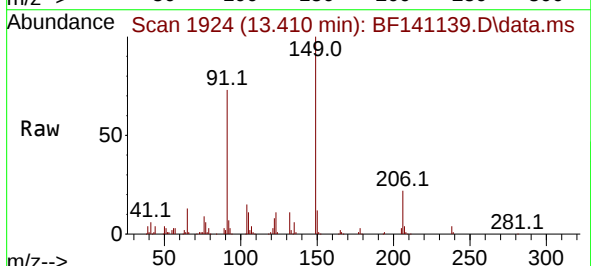
Tgt Ion:149 Resp: 91897

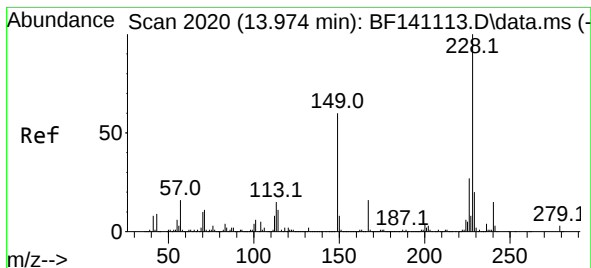
Ion Ratio Lower Upper

149 100

91 73.4 59.0 88.6

206 21.8 16.5 24.7





#81

Benzo(a)anthracene

Concen: 8.705 ng

RT: 13.968 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

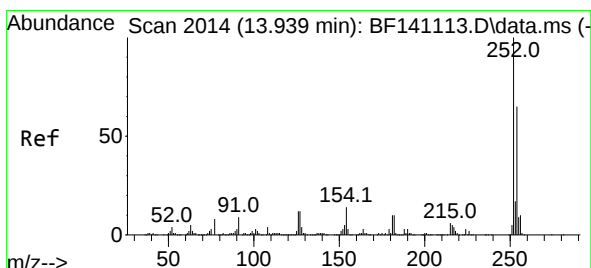
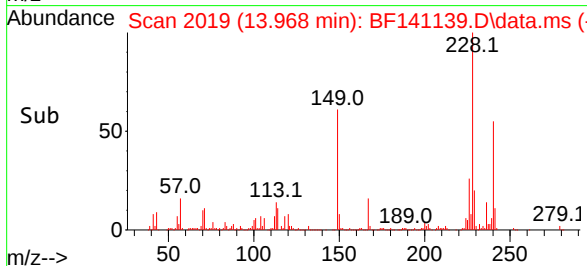
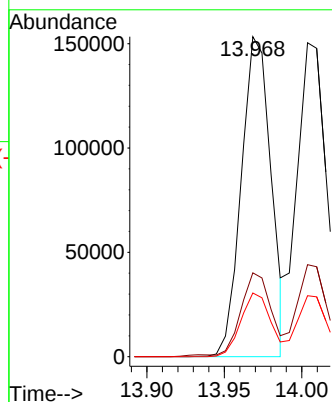
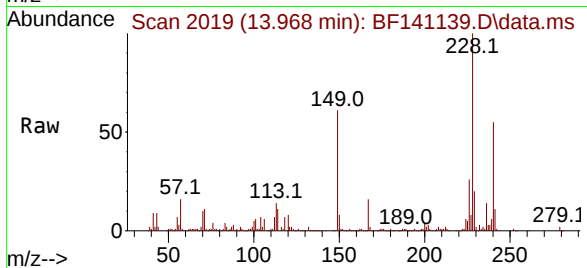
Tgt Ion:228 Resp: 204460

Ion Ratio Lower Upper

228 100

226 26.2 21.7 32.5

229 19.9 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 8.098 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

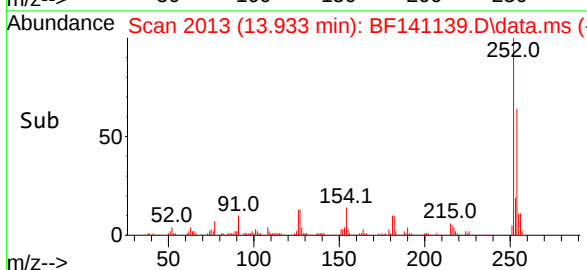
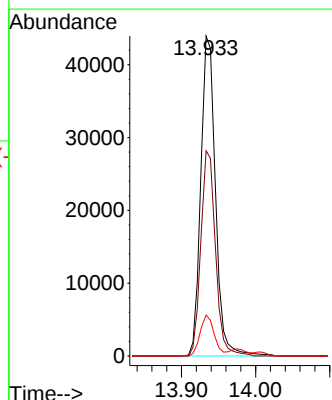
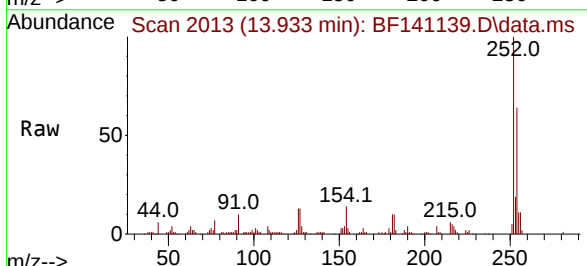
Tgt Ion:252 Resp: 60567

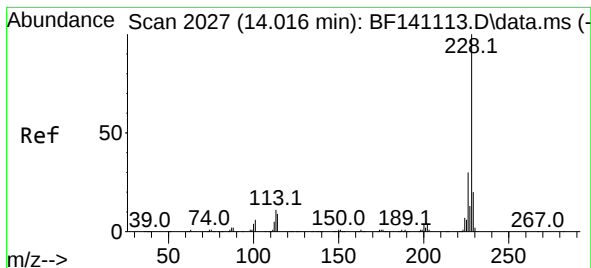
Ion Ratio Lower Upper

252 100

254 64.1 52.0 78.0

126 12.8 9.4 14.0





#83

Chrysene

Concen: 9.113 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

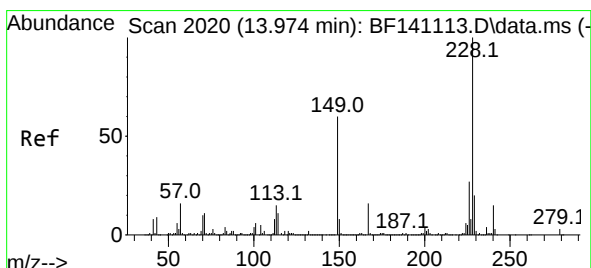
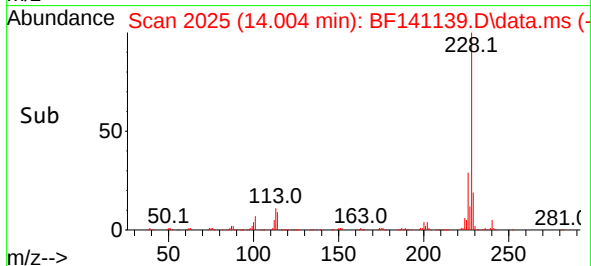
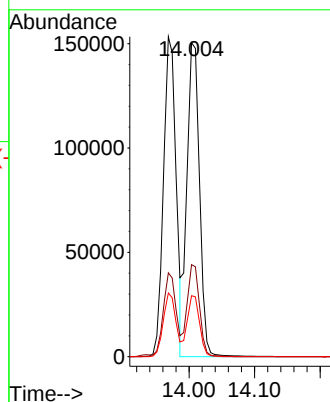
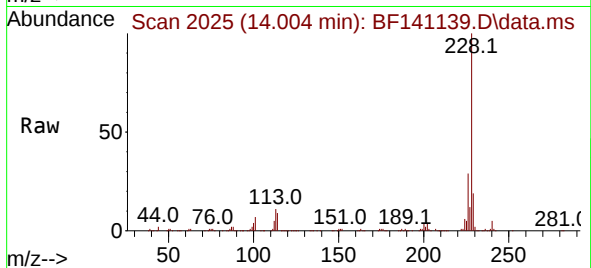
Tgt Ion:228 Resp: 200285

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.911 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

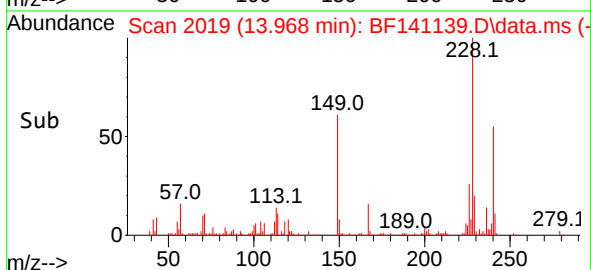
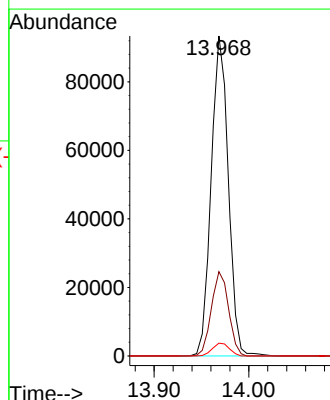
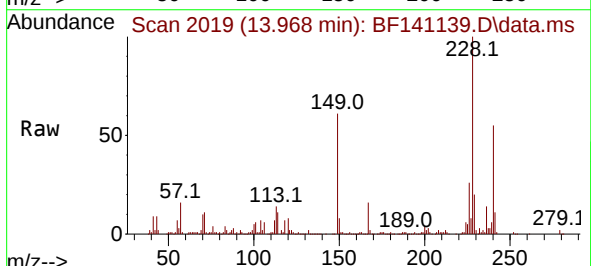
Tgt Ion:149 Resp: 117517

Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.2

279 4.0 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 7.623 ng

RT: 14.586 min Scan# 2124

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

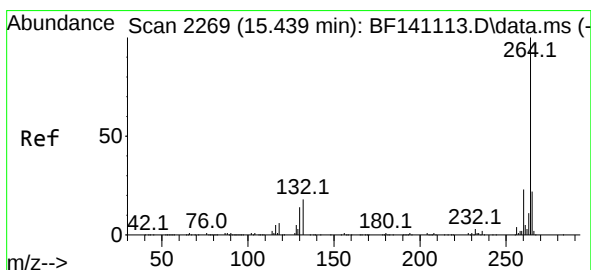
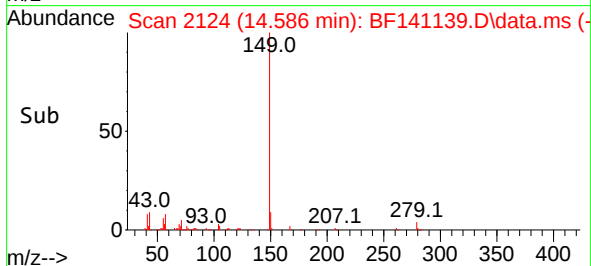
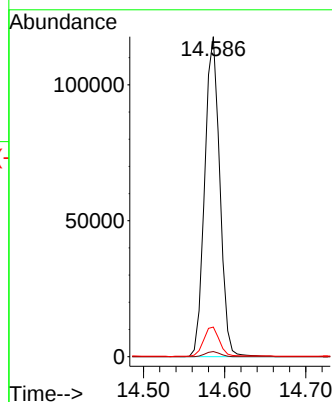
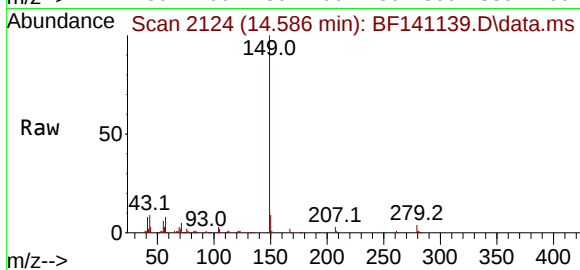
Tgt Ion:149 Resp: 151802

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.2 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

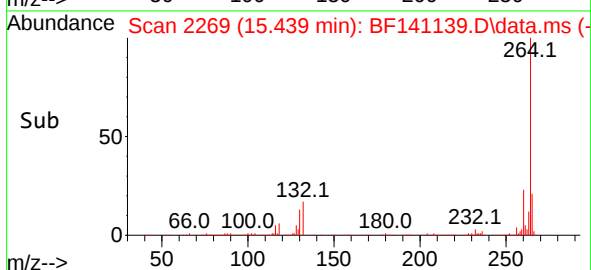
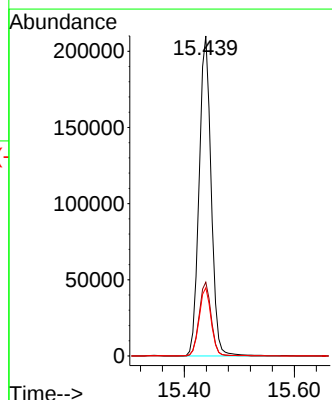
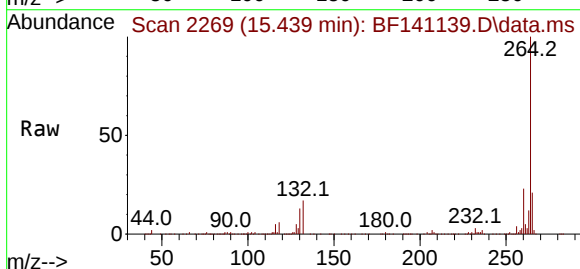
Tgt Ion:264 Resp: 319435

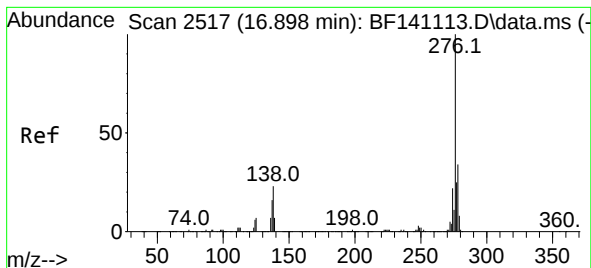
Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.862 ng

RT: 16.886 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

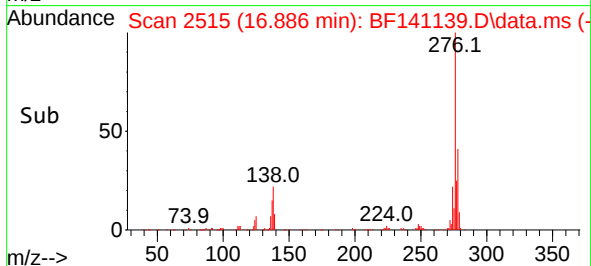
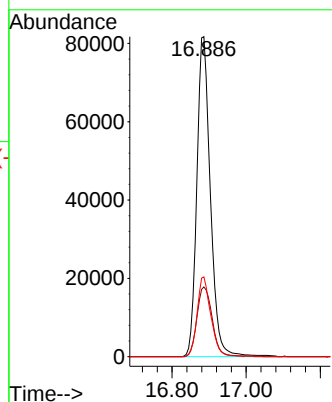
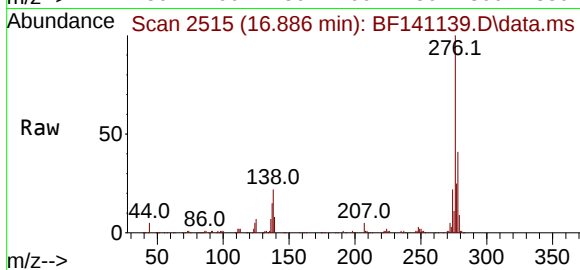
Tgt Ion:276 Resp: 207397

Ion Ratio Lower Upper

276 100

138 24.7 20.7 31.1

277 25.2 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 8.469 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

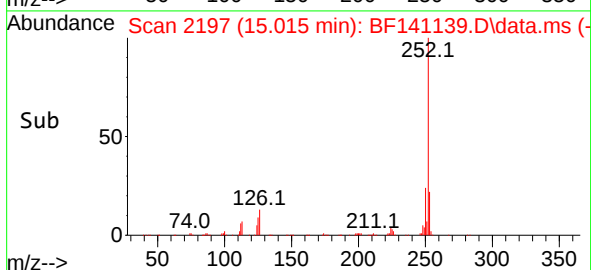
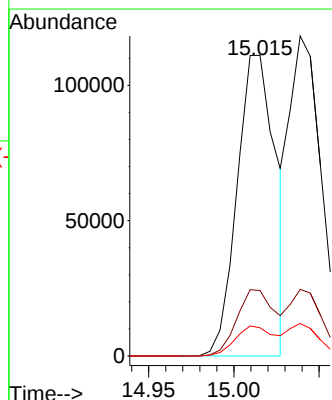
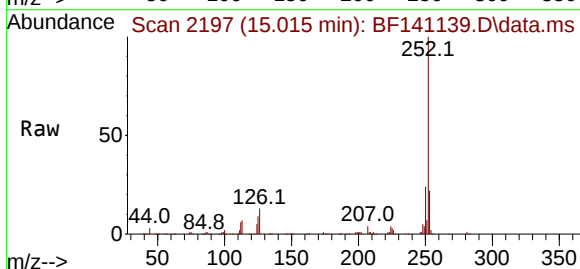
Tgt Ion:252 Resp: 174454

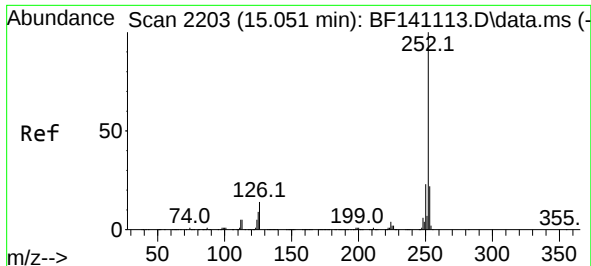
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.4 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 9.139 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2024

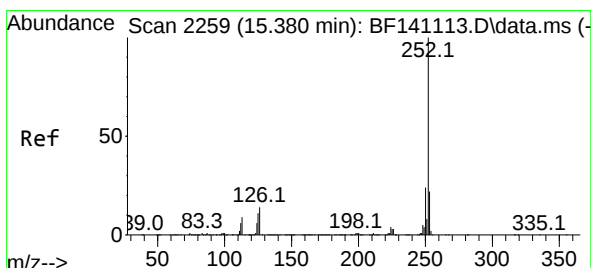
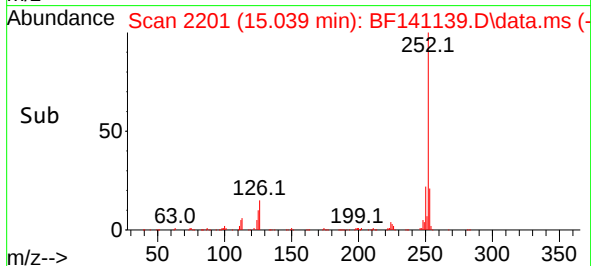
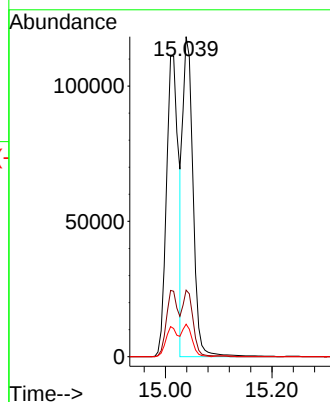
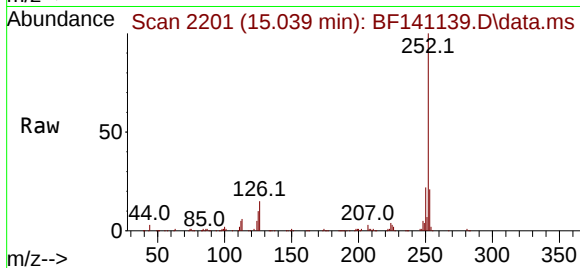
Tgt Ion:252 Resp: 159092

Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.8

125 10.2 7.9 11.9



#90

Benzo(a)pyrene

Concen: 9.362 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141139.D

Acq: 14 Jan 2025 12:19

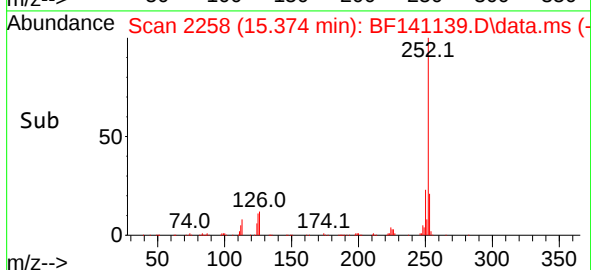
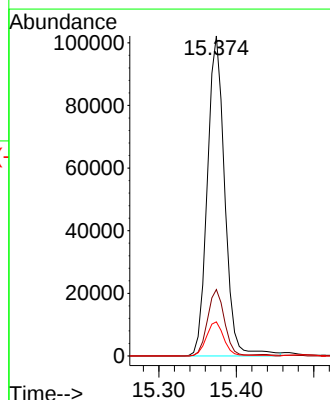
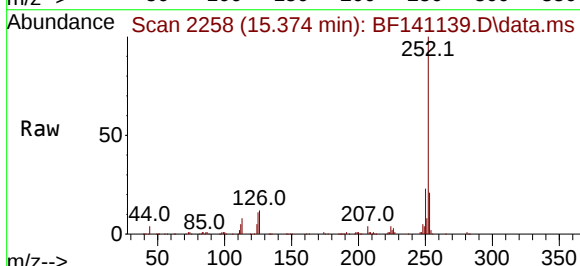
Tgt Ion:252 Resp: 159108

Ion Ratio Lower Upper

252 100

253 20.8 17.7 26.5

125 10.7 9.1 13.7

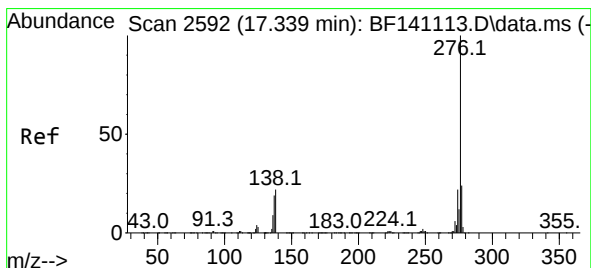
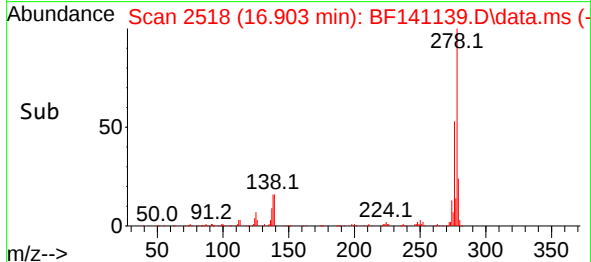
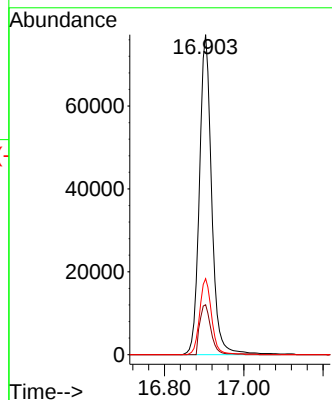
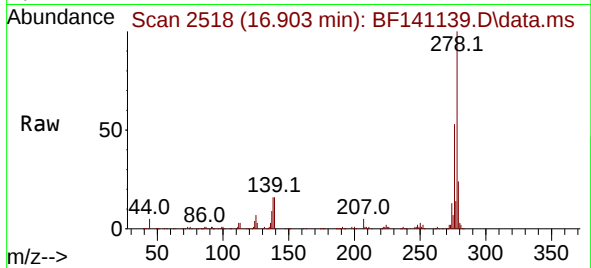




#91
Dibenzo(a,h)anthracene
Concen: 8.754 ng
RT: 16.903 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:278 Resp: 165703
Ion Ratio Lower Upper
278 100
139 15.6 13.8 20.6
279 23.8 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 8.285 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141139.D
Acq: 14 Jan 2025 12:19

Tgt Ion:276 Resp: 163125
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.4
138 21.3 17.4 26.2

