

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144490.D
 Acq On : 16 Dec 2025 12:46
 Operator : RC/JU
 Sample : Q3530-03
 Misc : MDL-SOIL-4ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Dec 16 13:05:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	193018	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	762749	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	411594	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	680224	20.000	ng	0.00
76) Chrysene-d12	13.939	240	505639	20.000	ng	0.00
86) Perylene-d12	15.368	264	380788	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1409268	110.089	ng	0.00
7) Phenol-d6	6.416	99	1778808	111.404	ng	0.00
23) Nitrobenzene-d5	7.357	82	1129108	92.635	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	478257	128.522	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2056613	76.653	ng	0.00
79) Terphenyl-d14	12.898	244	2292341	71.575	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	23587	3.832	ng	95
3) Pyridine	3.275	79	57434	3.393	ng	96
4) n-Nitrosodimethylamine	3.157	42	25403	3.453	ng	# 96
6) Aniline	6.457	93	85977	3.860	ng	99
8) 2-Chlorophenol	6.575	128	54639	3.981	ng	84
9) Benzaldehyde	6.340	77	44658	3.573	ng	98
10) Phenol	6.428	94	71477	3.793	ng	# 60
11) bis(2-Chloroethyl)ether	6.528	93	53125	3.857	ng	97
12) 1,3-Dichlorobenzene	6.734	146	61003	4.114	ng	98
13) 1,4-Dichlorobenzene	6.810	146	60112	4.040	ng	99
14) 1,2-Dichlorobenzene	6.963	146	57330	4.058	ng	98
15) Benzyl Alcohol	6.928	79	42751	3.633	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	83091	3.574	ng	99
17) 2-Methylphenol	7.034	107	42506	3.674	ng	98
18) Hexachloroethane	7.304	117	19376	3.748	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	36523	3.621	ng	96
20) 3+4-Methylphenols	7.186	107	56396	3.967	ng	# 89
22) Acetophenone	7.198	105	76041	4.019	ng	95
24) Nitrobenzene	7.369	77	57998	4.386	ng	98
25) Isophorone	7.604	82	99018	3.600	ng	98
26) 2-Nitrophenol	7.686	139	19390	7.103	ng	97
27) 2,4-Dimethylphenol	7.722	122	53355	4.065	ng	95
28) bis(2-Chloroethoxy)met...	7.822	93	63887	3.769	ng	98
29) 2,4-Dichlorophenol	7.922	162	39636	3.634	ng	97
30) 1,2,4-Trichlorobenzene	8.016	180	48835	4.129	ng	96
31) Naphthalene	8.092	128	162552	3.960	ng	99
32) Benzoic acid	7.757	122	12125	7.867	ng	95
33) 4-Chloroaniline	8.139	127	65422	3.965	ng	97
34) Hexachlorobutadiene	8.216	225	27081	3.703	ng	97
35) Caprolactam	8.463	113	10637	2.954	ng	94
36) 4-Chloro-3-methylphenol	8.610	107	42698	3.607	ng	99
37) 2-Methylnaphthalene	8.786	142	94887	3.513	ng	99
38) 1-Methylnaphthalene	8.886	142	99912	3.799	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	48503	4.141	ng	97
41) Hexachlorocyclopentadiene	8.939	237	23649	3.411	ng	97
43) 2,4,6-Trichlorophenol	9.057	196	27738	3.729	ng	97

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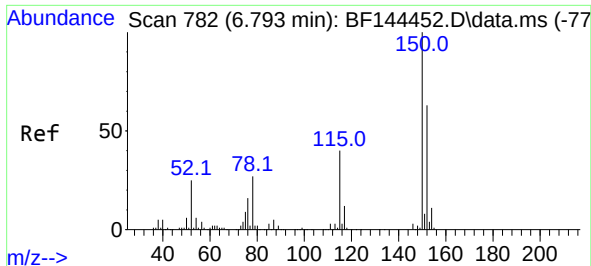
Quant Time: Dec 16 13:05:53 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.092	196	28590	3.662	ng	99
46) 1,1'-Biphenyl	9.251	154	135082	4.200	ng	98
47) 2-Chloronaphthalene	9.275	162	96974	3.949	ng	98
48) 2-Nitroaniline	9.363	65	21310	6.430	ng	99
49) Acenaphthylene	9.686	152	149436	3.841	ng	99
50) Dimethylphthalate	9.545	163	108533	3.904	ng	99
51) 2,6-Dinitrotoluene	9.604	165	19114	7.355	ng	99
52) Acenaphthene	9.857	154	97615	4.024	ng	99
53) 3-Nitroaniline	9.769	138	22058	6.323	ng	99
54) 2,4-Dinitrophenol	9.869	184	3786	8.548	ng	# 1
55) Dibenzofuran	10.028	168	140035	4.057	ng	97
56) 4-Nitrophenol	9.910	139	13919	2.940	ng	92
57) 2,4-Dinitrotoluene	10.004	165	21813	6.768	ng	97
58) Fluorene	10.369	166	108728	4.160	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	24556	4.143	ng	98
60) Diethylphthalate	10.245	149	98810	3.750	ng	98
61) 4-Chlorophenyl-phenyle...	10.369	204	52666	4.107	ng	96
62) 4-Nitroaniline	10.375	138	19614	5.537	ng	99
63) Azobenzene	10.527	77	101150	3.632	ng	99
65) 4,6-Dinitro-2-methylph...	10.404	198	6886	8.853	ng	87
66) n-Nitrosodiphenylamine	10.480	169	92589	3.972	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	29382	3.700	ng	97
68) Hexachlorobenzene	10.916	284	35129	4.007	ng	96
69) Atrazine	11.004	200	26414	3.618	ng	98
70) Pentachlorophenol	11.104	266	15372	3.074	ng	97
71) Phenanthrene	11.327	178	160227	4.086	ng	99
72) Anthracene	11.380	178	159040	4.007	ng	97
73) Carbazole	11.533	167	135476	3.932	ng	99
74) Di-n-butylphthalate	11.874	149	122422	3.324	ng	99
75) Fluoranthene	12.516	202	149499	3.861	ng	98
77) Benzidine	12.639	184	51102	2.838	ng	98
78) Pyrene	12.745	202	158167	3.414	ng	98
80) Butylbenzylphthalate	13.368	149	36419	5.472	ng	96
81) Benzo(a)anthracene	13.927	228	124815	3.505	ng	98
82) 3,3'-Dichlorobenzidine	13.892	252	27645	2.740	ng	100
83) Chrysene	13.963	228	121482	3.728	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	41607	5.097	ng	99
85) Di-n-octyl phthalate	14.545	149	45535	7.935	ng	99
87) Indeno(1,2,3-cd)pyrene	16.774	276	90538	3.313	ng	99
88) Benzo(b)fluoranthene	14.957	252	88524	3.541	ng	100
89) Benzo(k)fluoranthene	14.986	252	92252	3.903	ng	98
90) Benzo(a)pyrene	15.310	252	76059	3.481	ng	99
91) Dibenzo(a,h)anthracene	16.798	278	74302	3.366	ng	98
92) Benzo(g,h,i)perylene	17.198	276	74570	3.323	ng	99

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

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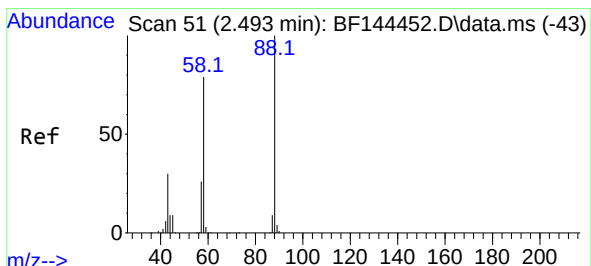
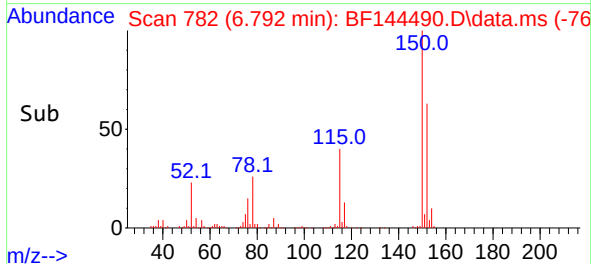
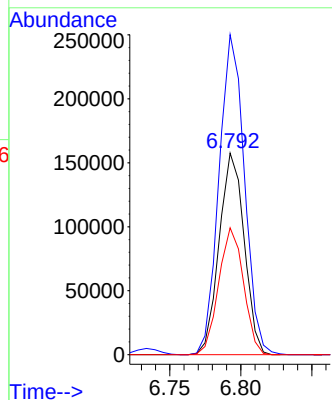
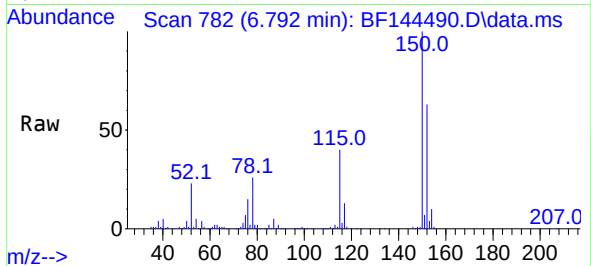




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF144490.D
 Acq: 16 Dec 2025 12:46

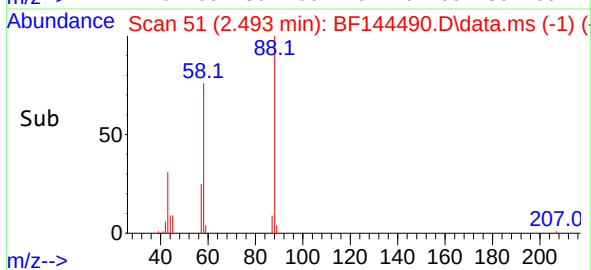
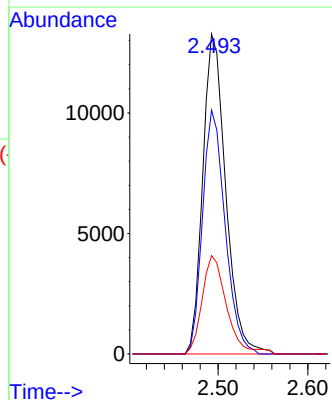
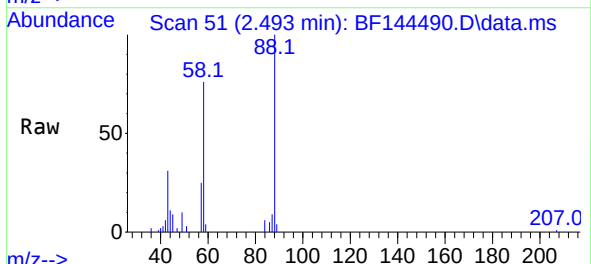
Instrument :
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 MDL-SOIL-03-QT4-2025

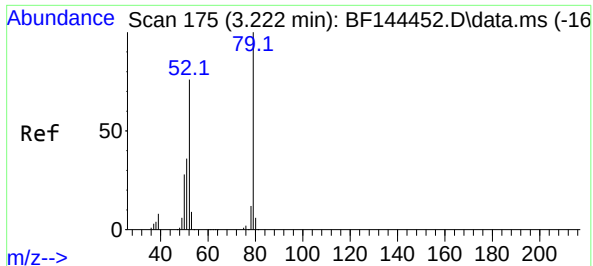
Tgt Ion:152 Resp: 193018
 Ion Ratio Lower Upper
 152 100
 150 158.7 127.4 191.2
 115 63.0 51.4 77.0



#2
 1,4-Dioxane
 Concen: 3.832 ng
 RT: 2.493 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BF144490.D
 Acq: 16 Dec 2025 12:46

Tgt Ion: 88 Resp: 23587
 Ion Ratio Lower Upper
 88 100
 58 74.9 63.9 95.9
 43 32.6 24.2 36.4

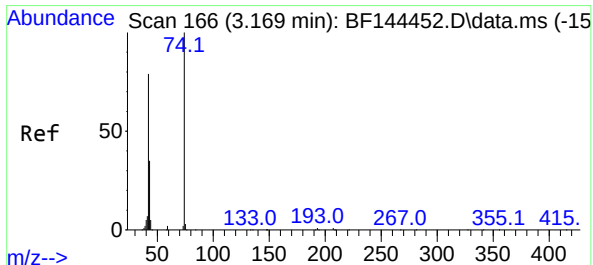
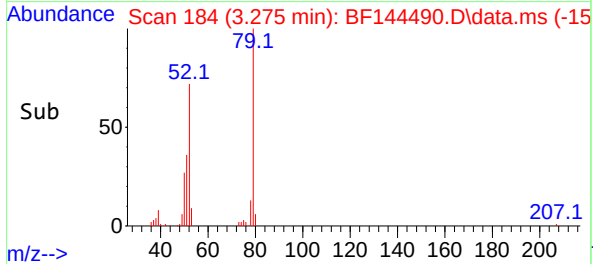
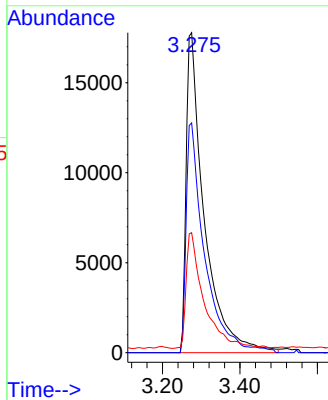
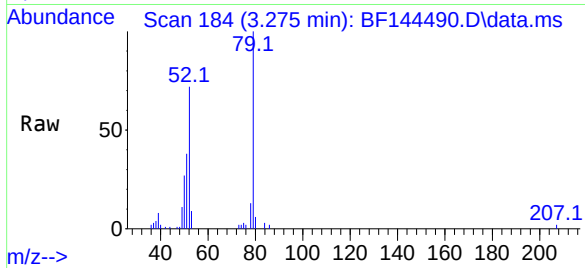




#3
Pyridine
Concen: 3.393 ng
RT: 3.275 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

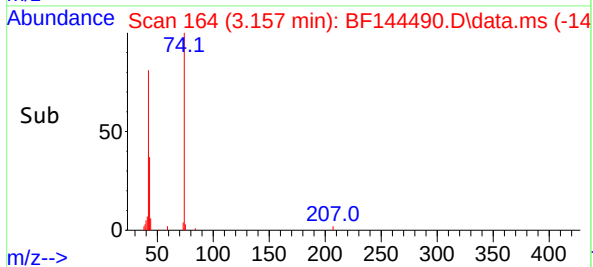
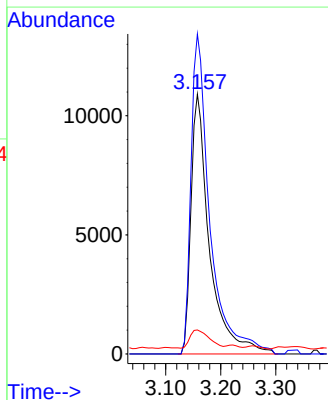
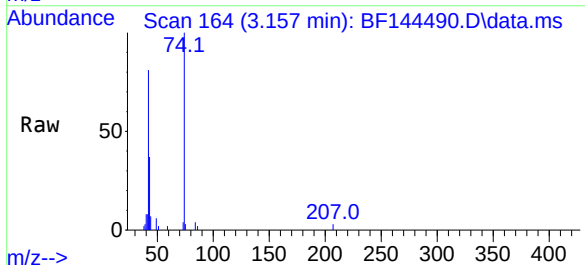
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

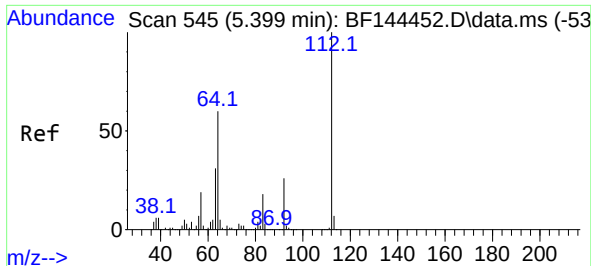
Tgt Ion: 79 Resp: 57434
Ion Ratio Lower Upper
79 100
52 71.8 60.5 90.7
51 37.5 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 3.453 ng
RT: 3.157 min Scan# 164
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 42 Resp: 25403
Ion Ratio Lower Upper
42 100
74 123.1 101.8 152.8
44 9.2 5.7 8.5#

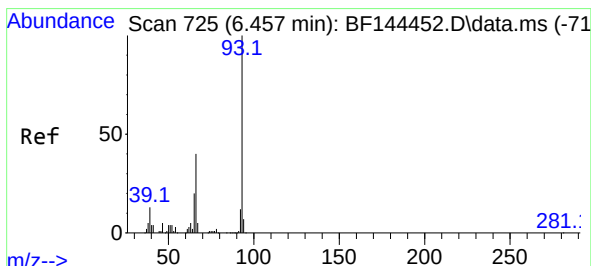
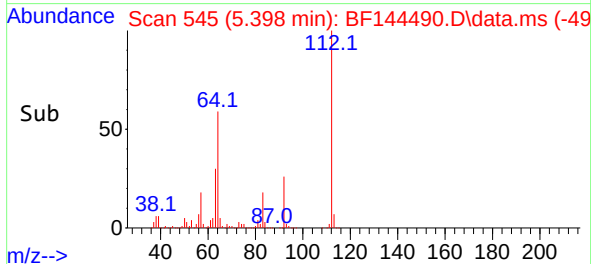
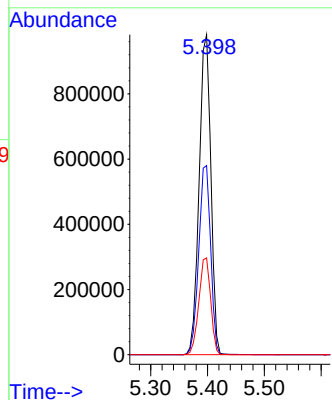
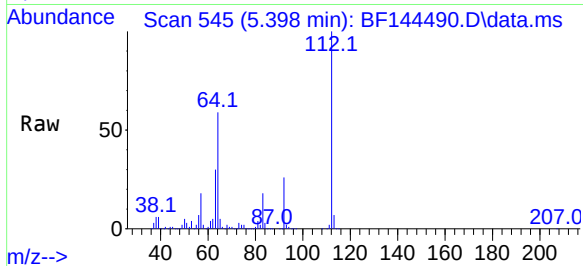




#5
2-Fluorophenol
Concen: 110.089 ng
RT: 5.398 min Scan# 54
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

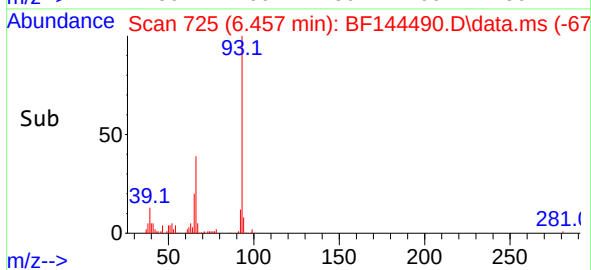
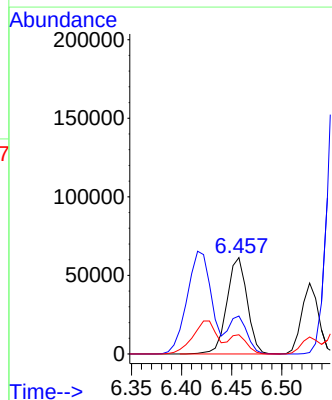
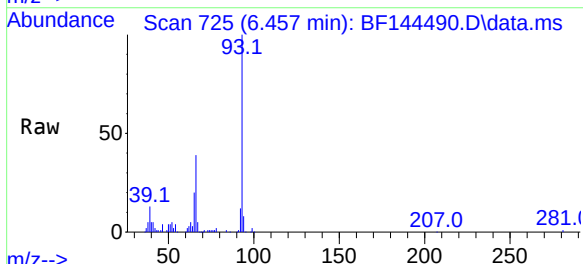
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ClientSampleId :
MDL-SOIL-03-QT4-2025

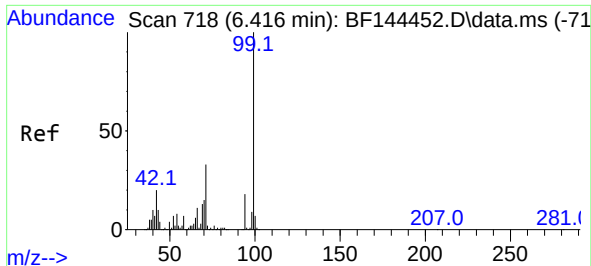
Tgt Ion:112 Resp: 1409268
Ion Ratio Lower Upper
112 100
64 59.1 47.8 71.6
63 30.2 24.6 37.0



#6
Aniline
Concen: 3.860 ng
RT: 6.457 min Scan# 725
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 93 Resp: 85977
Ion Ratio Lower Upper
93 100
66 39.4 32.4 48.6
65 19.9 16.1 24.1

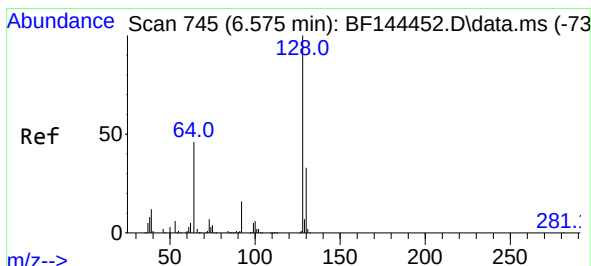
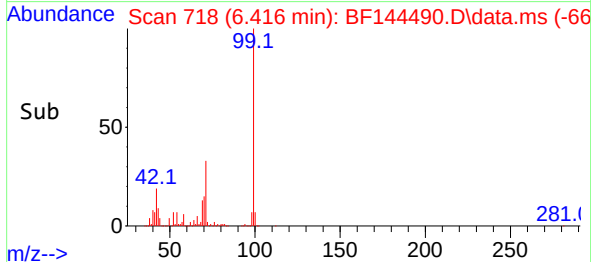
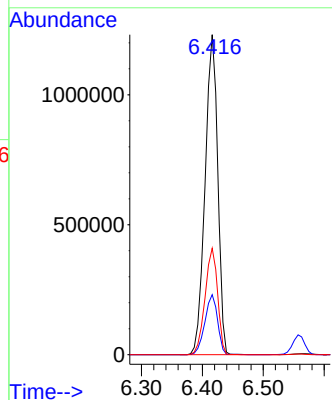
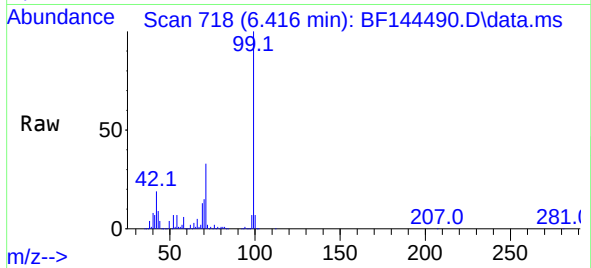




#7
Phenol-d6
Concen: 111.404 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

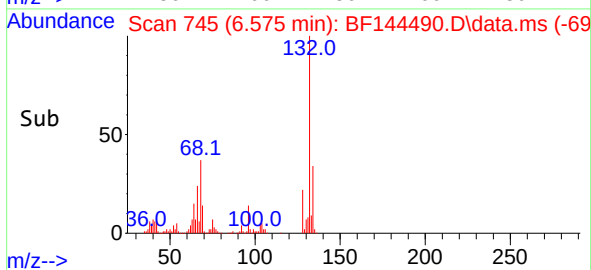
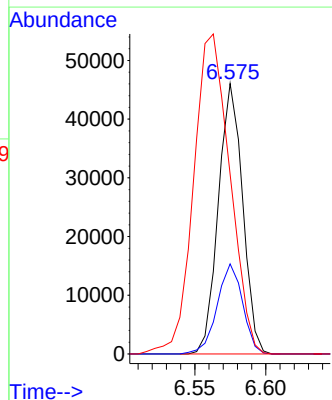
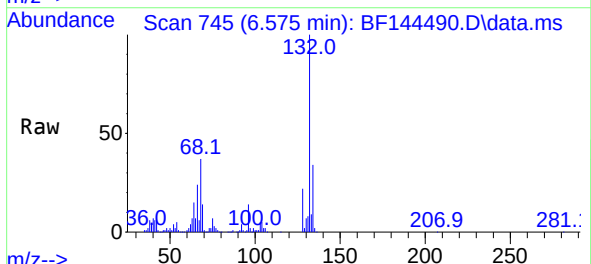
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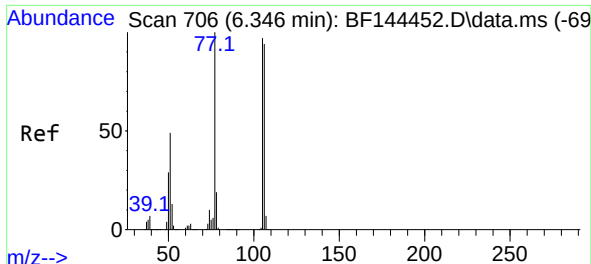
Tgt Ion: 99 Resp: 1778808
Ion Ratio Lower Upper
99 100
42 18.7 15.7 23.5
71 33.3 26.4 39.6



#8
2-Chlorophenol
Concen: 3.981 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:128 Resp: 54639
Ion Ratio Lower Upper
128 100
130 33.3 13.0 53.0
64 66.5 28.9 68.9

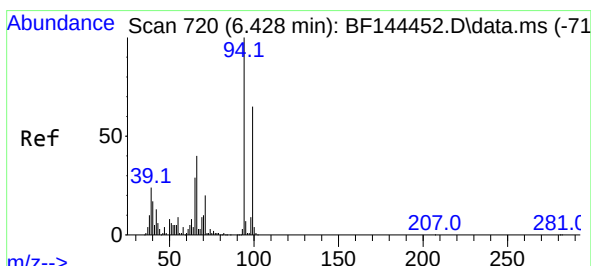
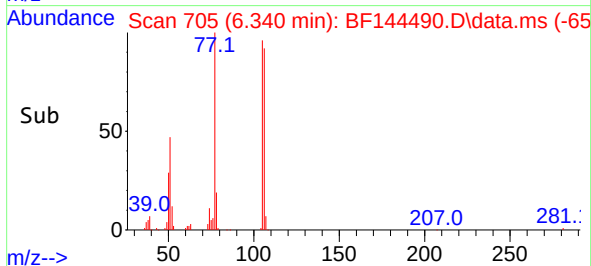
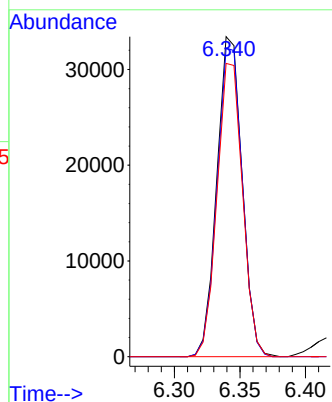
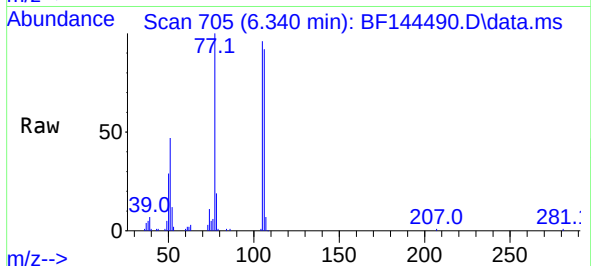




#9
Benzaldehyde
Concen: 3.573 ng
RT: 6.340 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

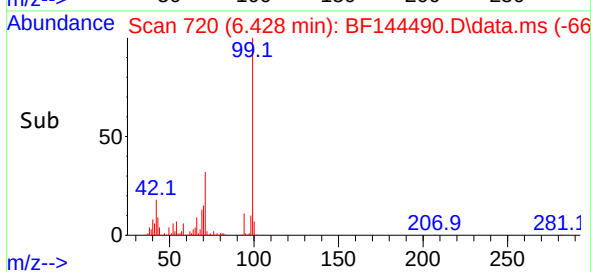
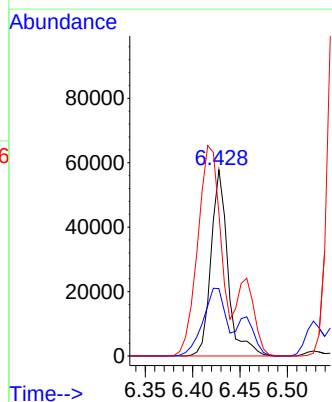
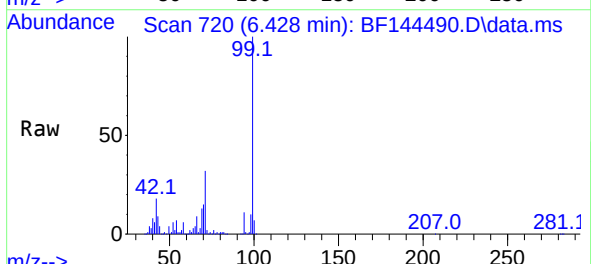
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2025

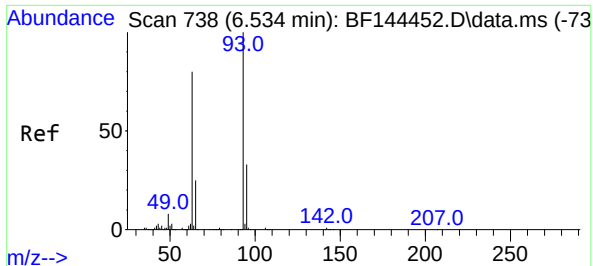
Tgt Ion:	77	Resp:	44658
Ion	Ratio	Lower	Upper
77	100		
105	96.4	77.0	117.0
106	91.7	74.1	114.1



#10
Phenol
Concen: 3.793 ng
RT: 6.428 min Scan# 720
Delta R.T. -0.000 min
Lab File: BF144490.D
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Tgt Ion:	94	Resp:	71477
Ion	Ratio	Lower	Upper
94	100		
65	36.2	9.1	49.1
66	76.6	20.3	60.3

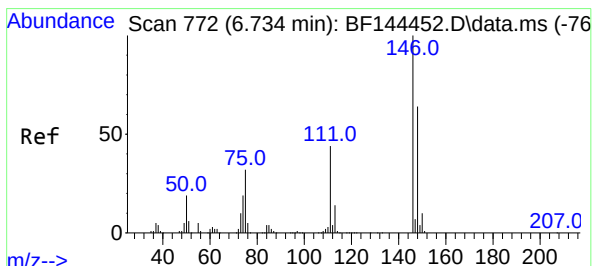
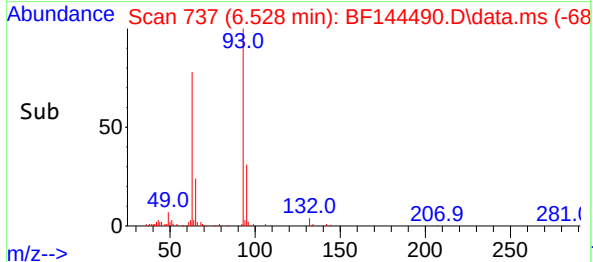
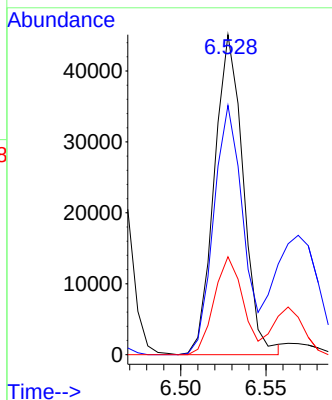
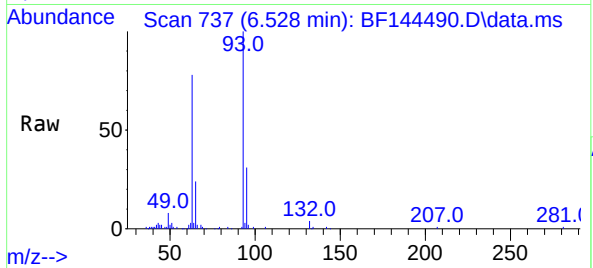




#11
bis(2-Chloroethyl)ether
Concen: 3.857 ng
RT: 6.528 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

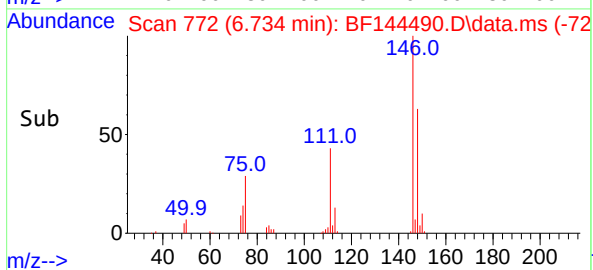
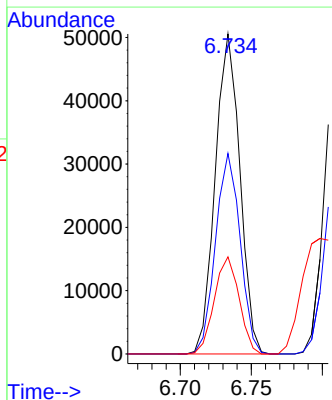
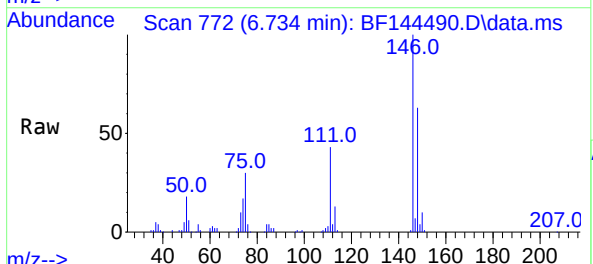
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

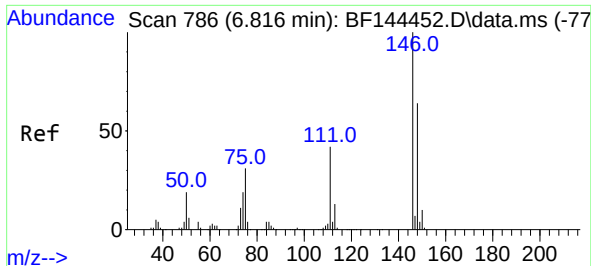
Tgt Ion: 93 Resp: 53125
Ion Ratio Lower Upper
93 100
63 77.9 59.8 99.8
95 30.6 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 4.114 ng
RT: 6.734 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 146 Resp: 61003
Ion Ratio Lower Upper
146 100
148 62.7 51.0 76.6
75 30.4 25.8 38.8

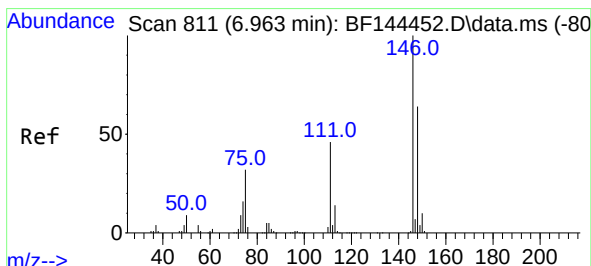
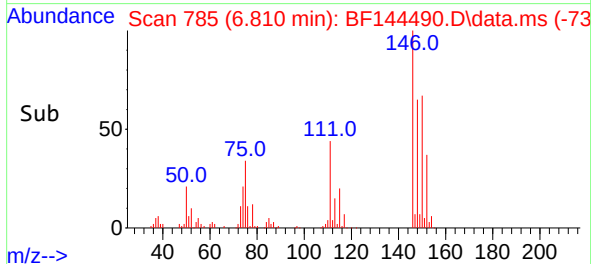
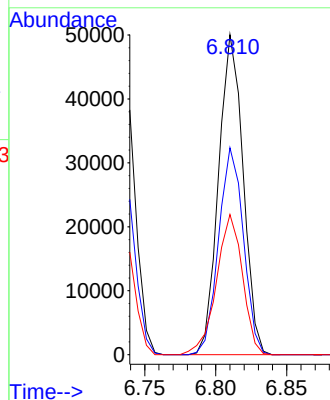
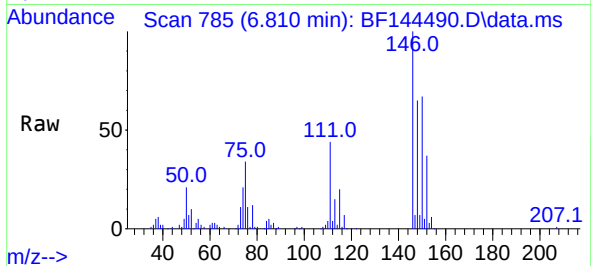




#13
1,4-Dichlorobenzene
Concen: 4.040 ng
RT: 6.810 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

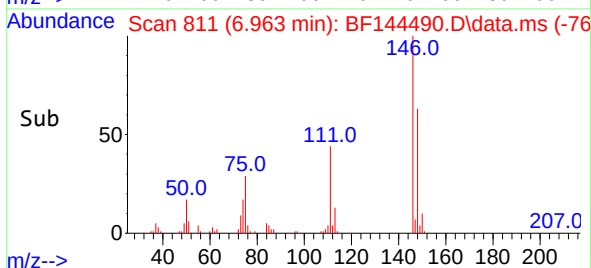
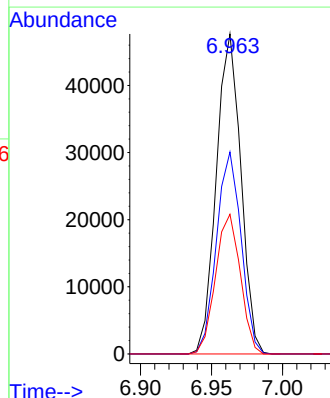
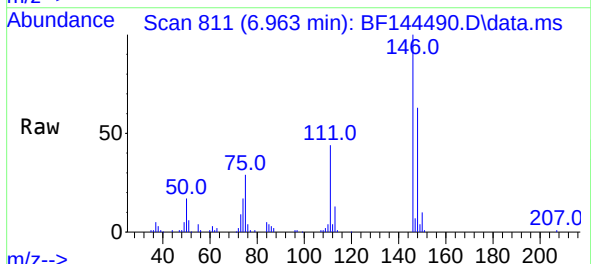
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

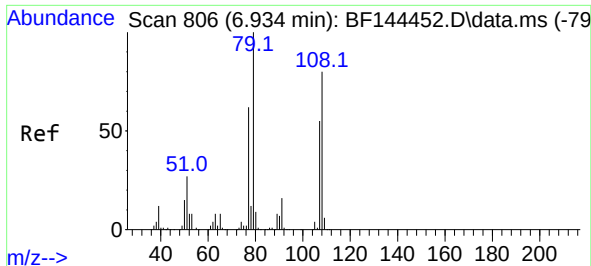
Tgt Ion:146 Resp: 60112
Ion Ratio Lower Upper
146 100
148 64.6 51.4 77.2
111 43.8 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 4.058 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:146 Resp: 57330
Ion Ratio Lower Upper
146 100
148 63.1 51.4 77.2
111 43.7 36.5 54.7



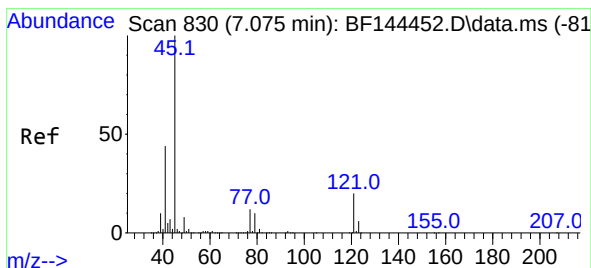
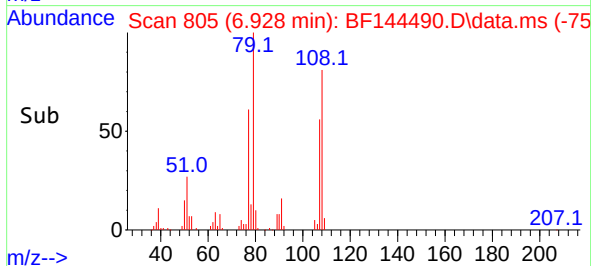
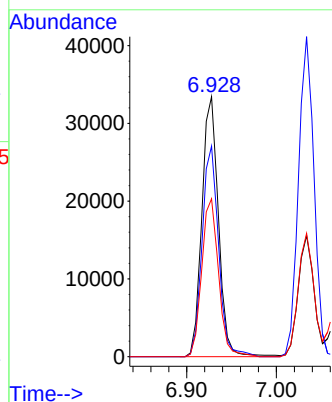
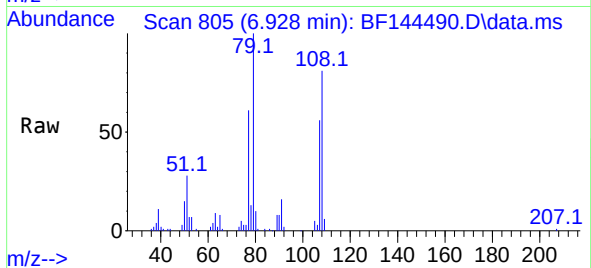


#15
Benzyl Alcohol
Concen: 3.633 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 79 Resp: 42751

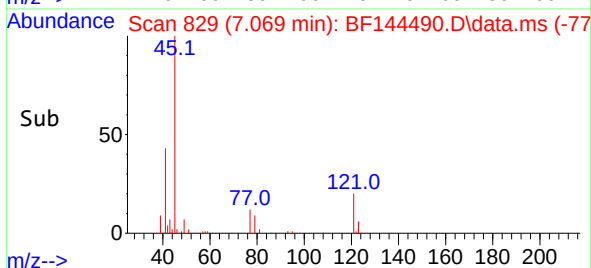
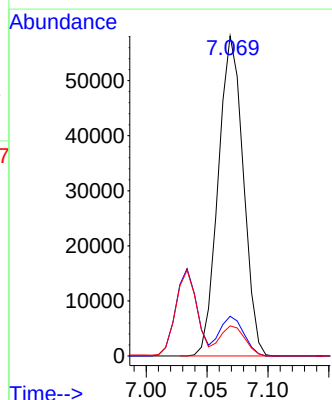
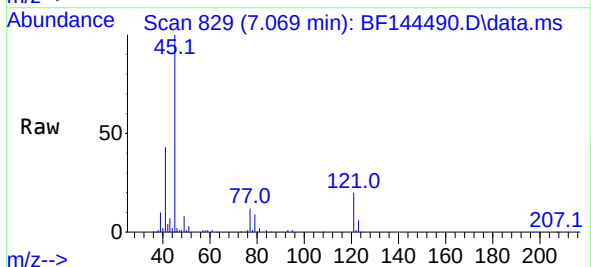
Ion	Ratio	Lower	Upper
79	100		
108	81.0	63.7	95.5
77	60.7	49.3	73.9

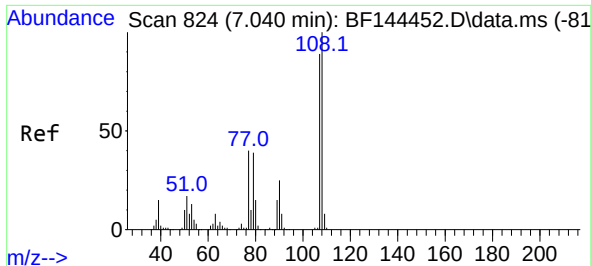


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.574 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 45 Resp: 83091

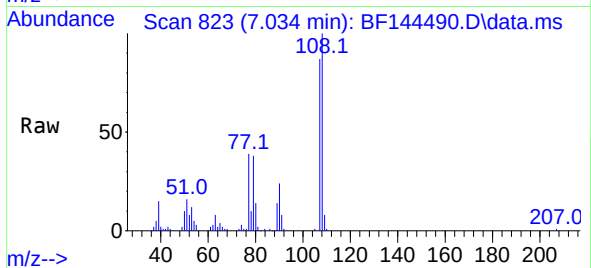
Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	32.6
79	9.4	0.0	29.9





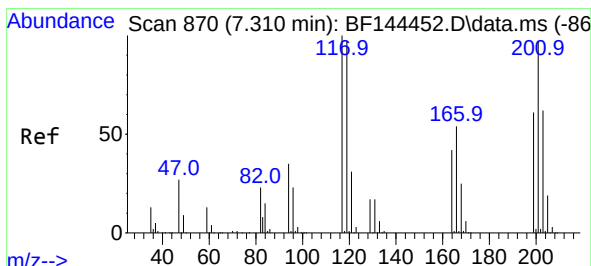
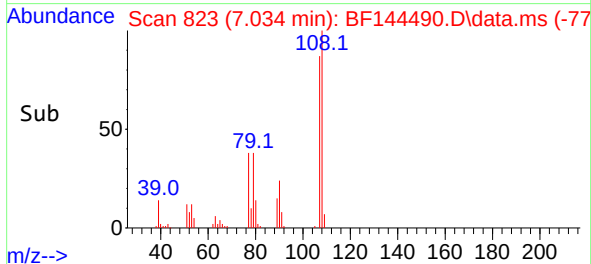
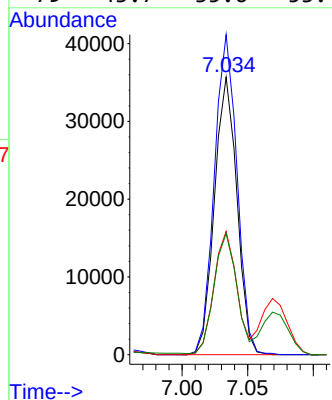
#17
2-Methylphenol
Concen: 3.674 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:107 Resp: 42506

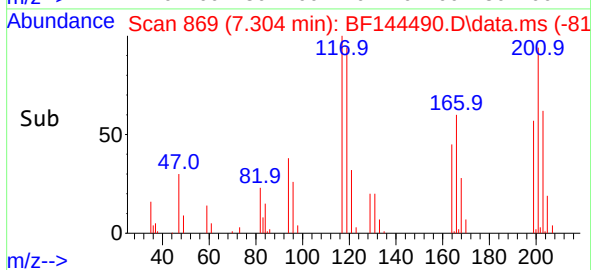
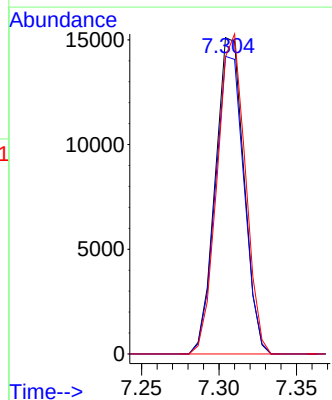
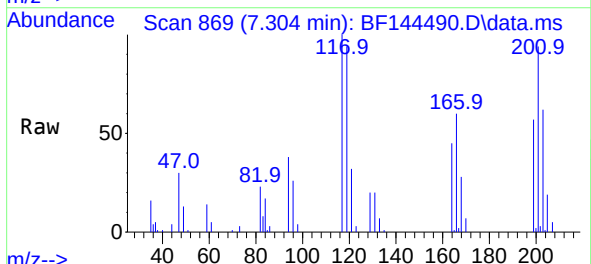
Ion	Ratio	Lower	Upper
107	100		
108	115.3	89.9	134.9
77	44.5	35.7	53.5
79	43.7	35.6	53.4

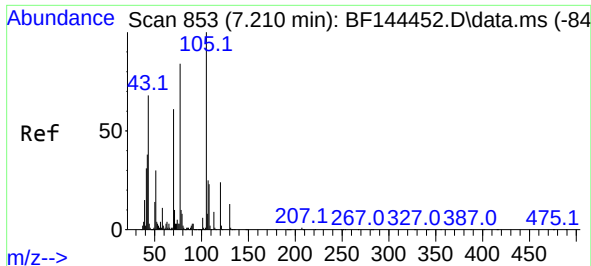


#18
Hexachloroethane
Concen: 3.748 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:117 Resp: 19376

Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.5	116.3
201	93.9	77.3	115.9

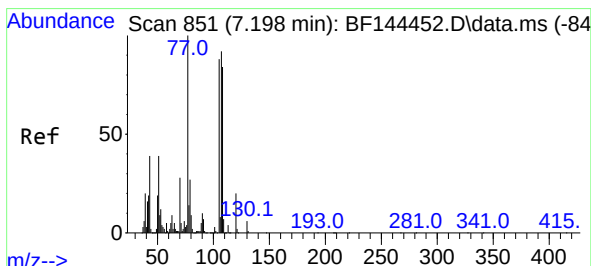
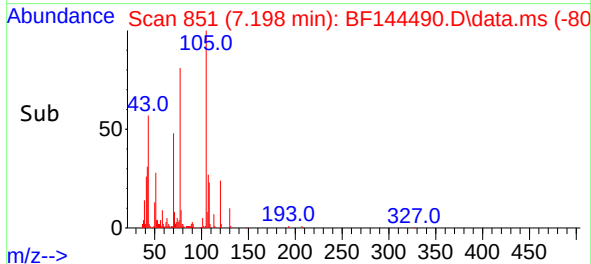
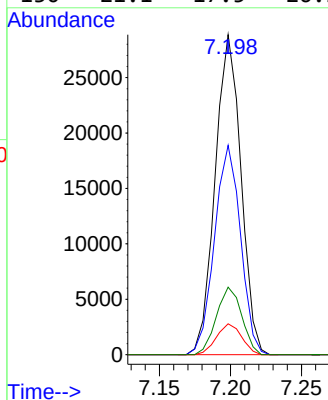
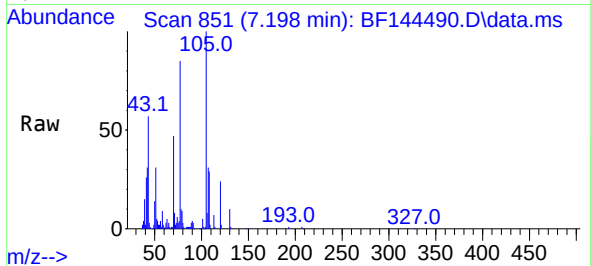




#19
n-Nitroso-di-n-propylamine
Concen: 3.621 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

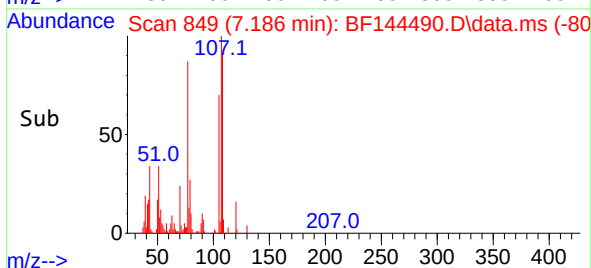
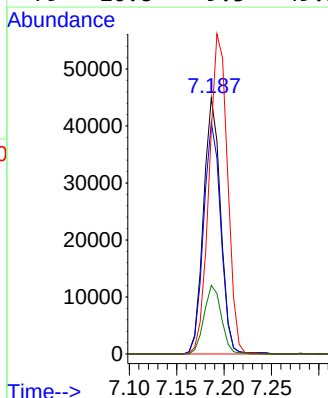
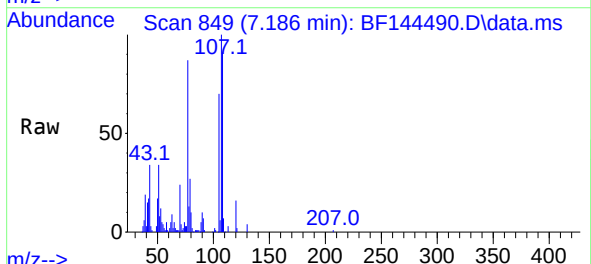
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

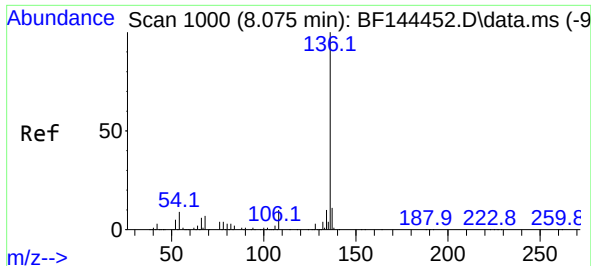
Tgt Ion:	70	Resp:	36523
Ion	Ratio	Lower	Upper
70	100		
42	65.4	49.4	74.0
101	9.7	7.8	11.6
130	21.1	17.5	26.3



#20
3+4-Methylphenols
Concen: 3.967 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:	107	Resp:	56396
Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.5	111.5
77	87.2	88.5	128.5#
79	26.8	9.3	49.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF144490.D

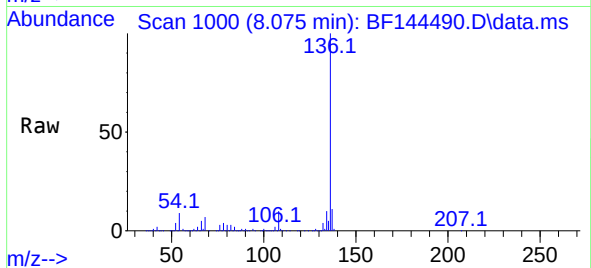
Acq: 16 Dec 2025 12:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025



Tgt Ion:136 Resp: 762749

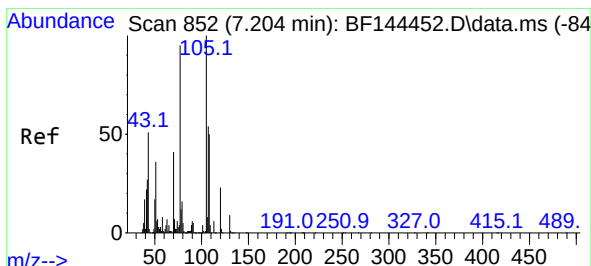
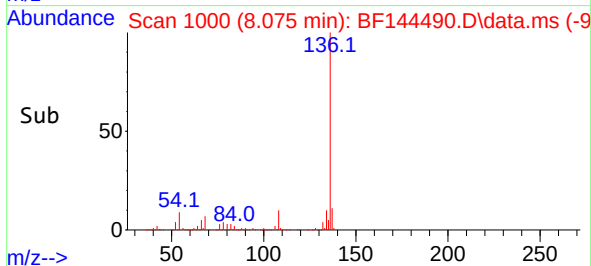
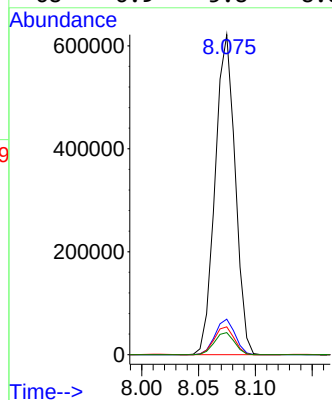
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.7 7.5 11.3

68 6.9 5.8 8.8



#22

Acetophenone

Concen: 4.019 ng

RT: 7.198 min Scan# 851

Delta R.T. -0.006 min

Lab File: BF144490.D

Acq: 16 Dec 2025 12:46

Tgt Ion:105 Resp: 76041

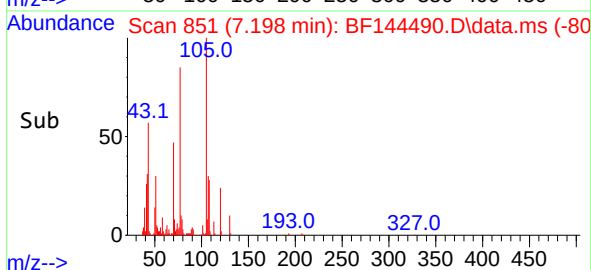
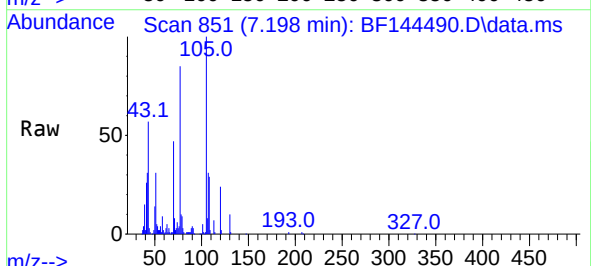
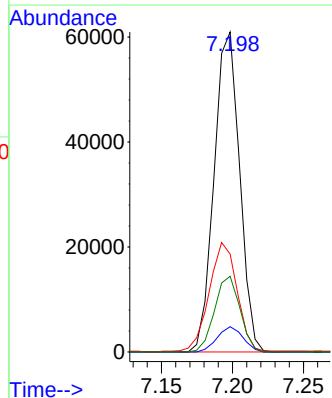
Ion Ratio Lower Upper

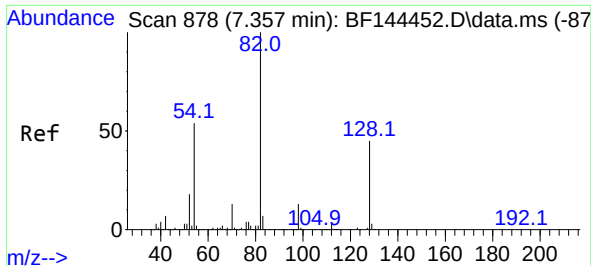
105 100

71 7.9 5.6 8.4

51 30.6 28.6 42.8

120 23.6 18.6 27.8

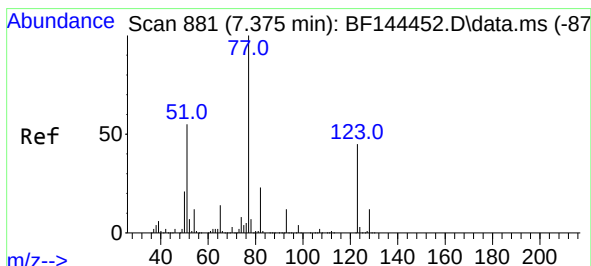
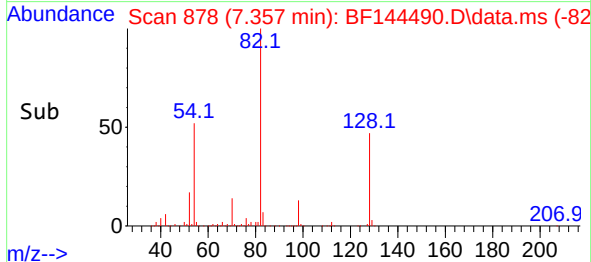
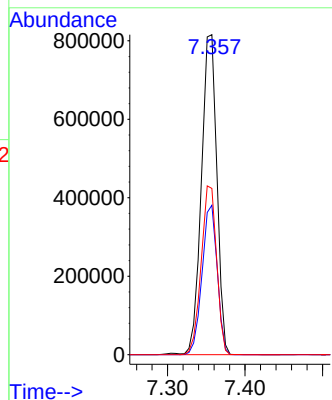
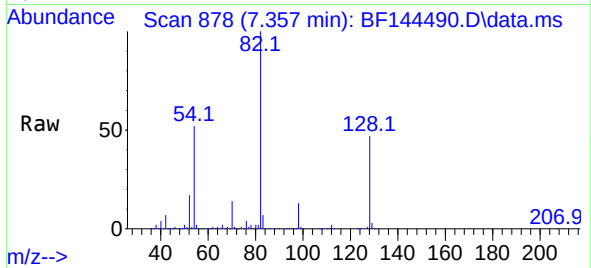




#23
Nitrobenzene-d5
Concen: 92.635 ng
RT: 7.357 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

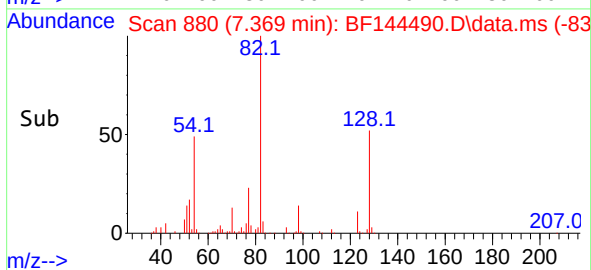
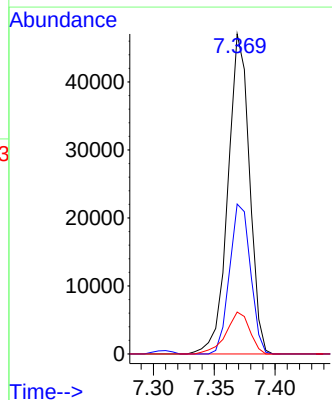
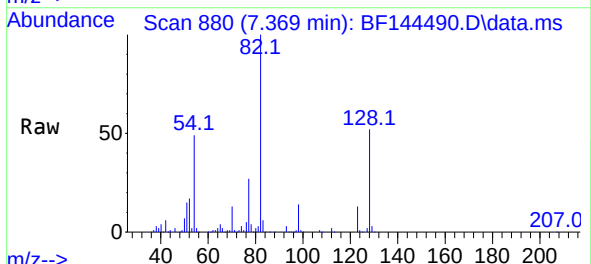
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

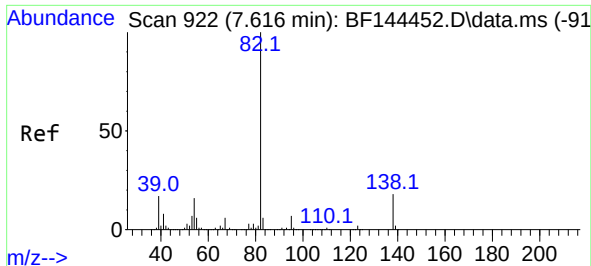
Tgt Ion: 82 Resp: 1129108
Ion Ratio Lower Upper
82 100
128 46.7 35.5 53.3
54 51.9 43.3 64.9



#24
Nitrobenzene
Concen: 4.386 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 77 Resp: 57998
Ion Ratio Lower Upper
77 100
123 46.9 36.2 54.2
65 13.1 11.0 16.6

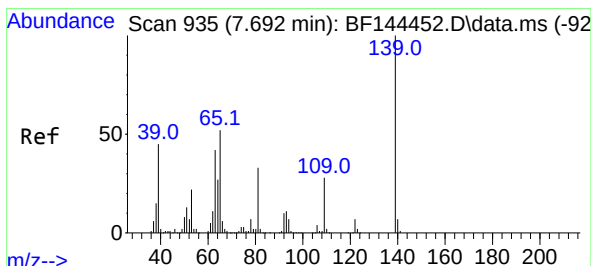
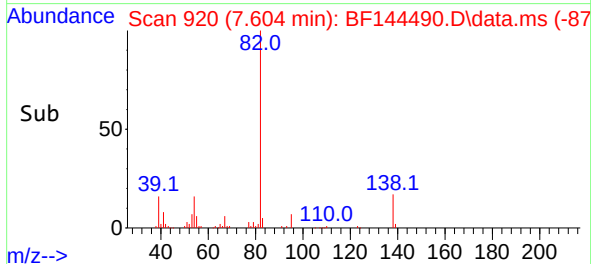
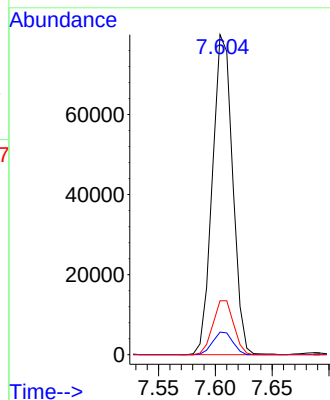
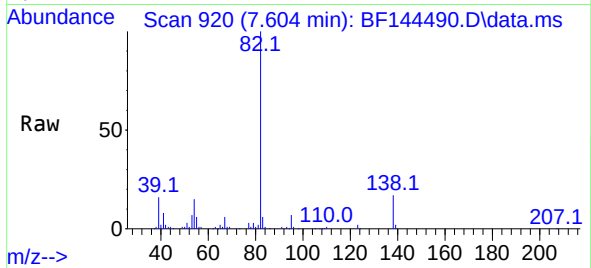




#25
Isophorone
Concen: 3.600 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

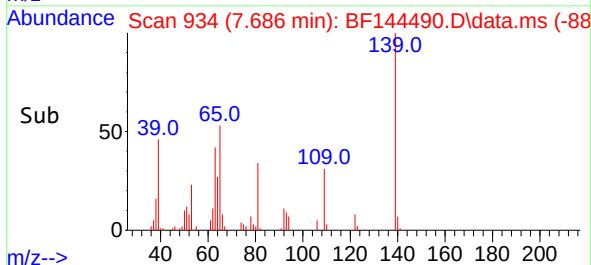
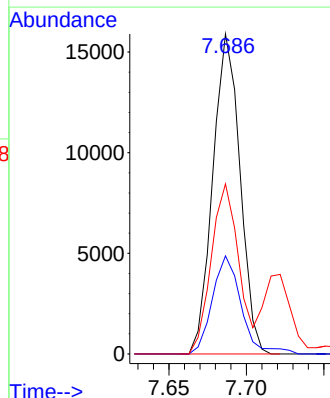
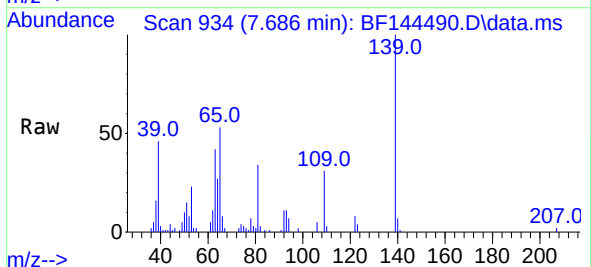
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

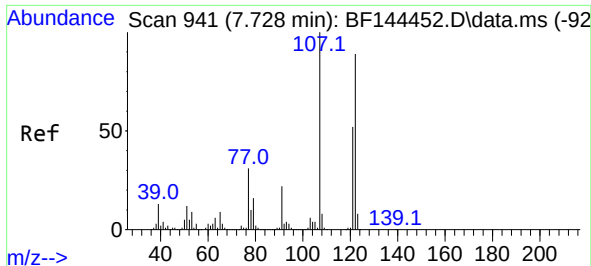
Tgt Ion: 82 Resp: 99018
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.2
138 16.9 14.4 21.6



#26
2-Nitrophenol
Concen: 7.103 ng
RT: 7.686 min Scan# 934
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:139 Resp: 19390
Ion Ratio Lower Upper
139 100
109 30.7 22.1 33.1
65 53.1 41.5 62.3

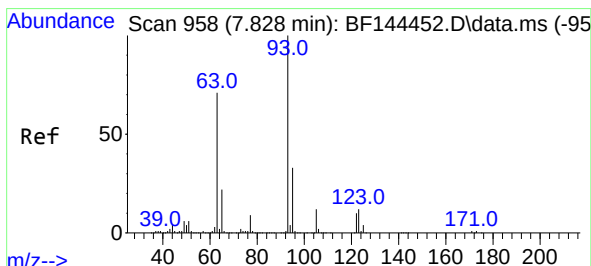
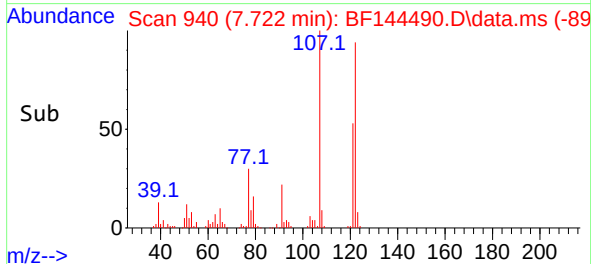
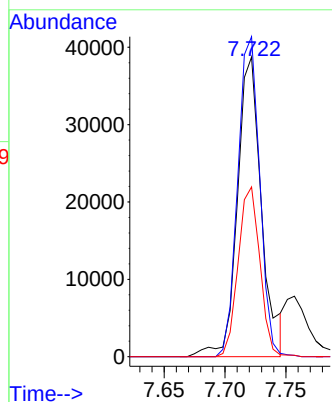
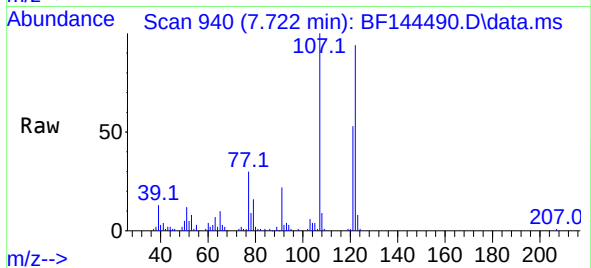




#27
2,4-Dimethylphenol
Concen: 4.065 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

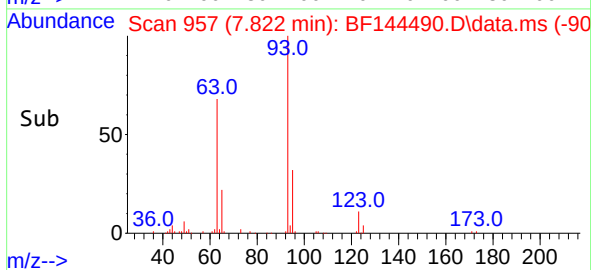
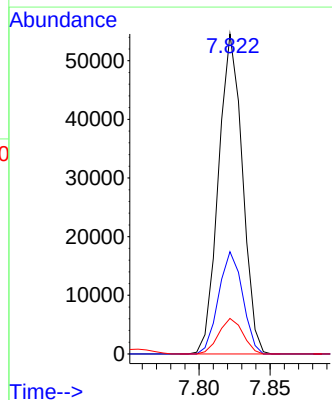
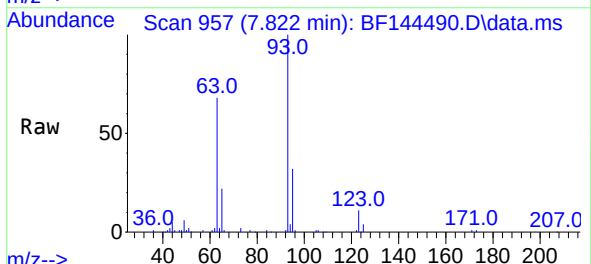
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

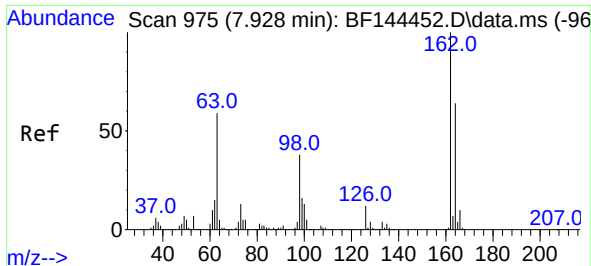
Tgt Ion:122 Resp: 53355
Ion Ratio Lower Upper
122 100
107 106.8 90.0 135.0
121 56.6 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 3.769 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 93 Resp: 63887
Ion Ratio Lower Upper
93 100
95 32.0 26.2 39.2
123 11.1 10.2 15.4

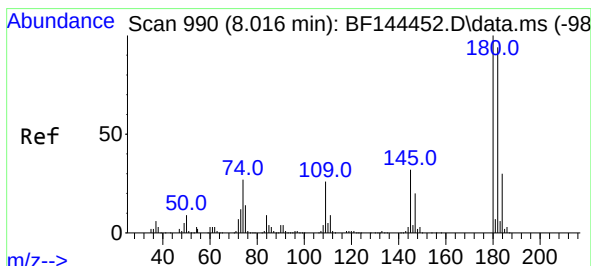
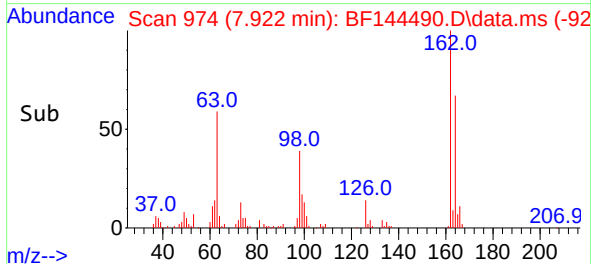
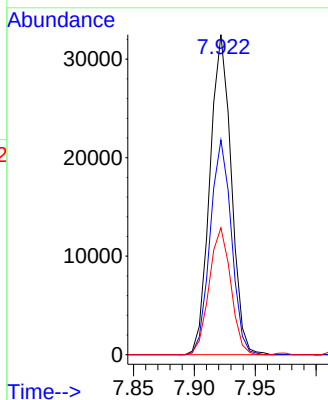
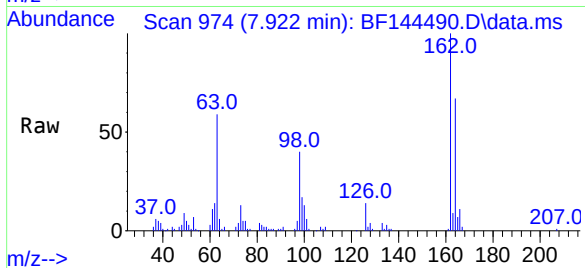




#29
2,4-Dichlorophenol
Concen: 3.634 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

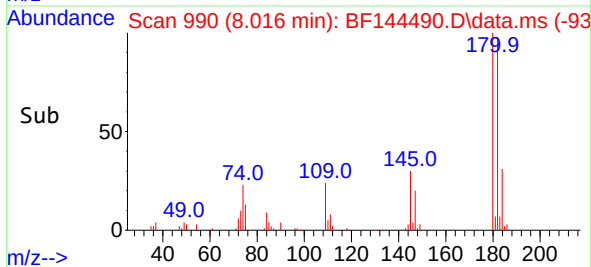
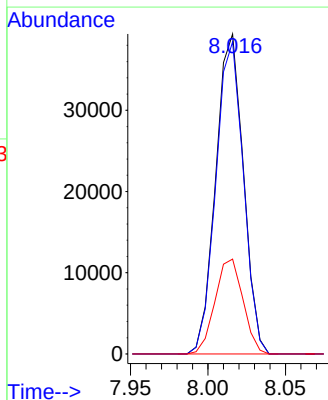
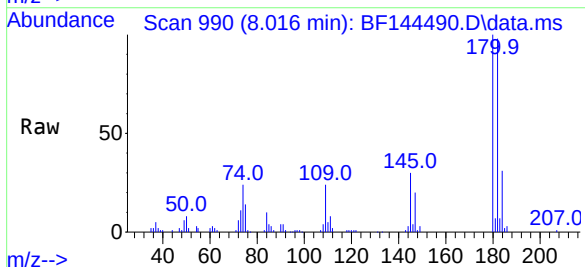
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

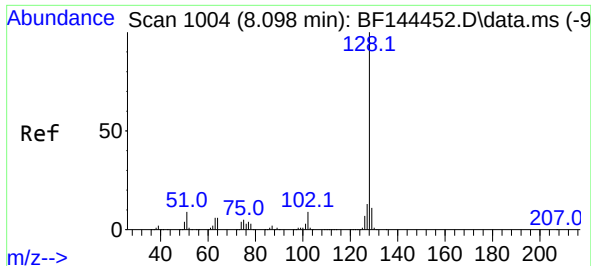
Tgt Ion:162	Resp:	39636
Ion	Ratio	Lower Upper
162	100	
164	67.1	44.2 84.2
98	39.6	17.8 57.8



#30
1,2,4-Trichlorobenzene
Concen: 4.129 ng
RT: 8.016 min Scan# 990
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:180	Resp:	48835
Ion	Ratio	Lower Upper
180	100	
182	97.5	75.2 112.8
145	29.6	25.3 37.9





#31

Naphthalene

Concen: 3.960 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144490.D

Acq: 16 Dec 2025 12:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

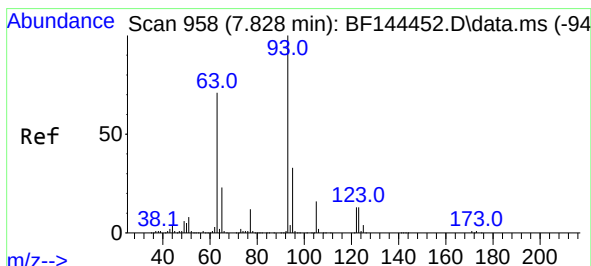
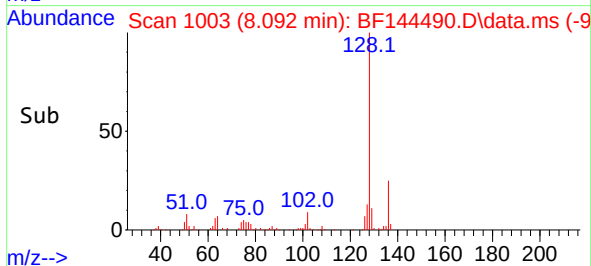
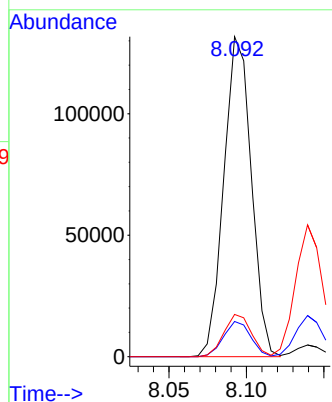
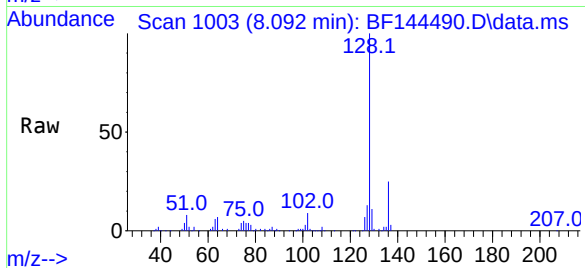
Tgt Ion:128 Resp: 162552

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 7.867 ng

RT: 7.757 min Scan# 946

Delta R.T. -0.071 min

Lab File: BF144490.D

Acq: 16 Dec 2025 12:46

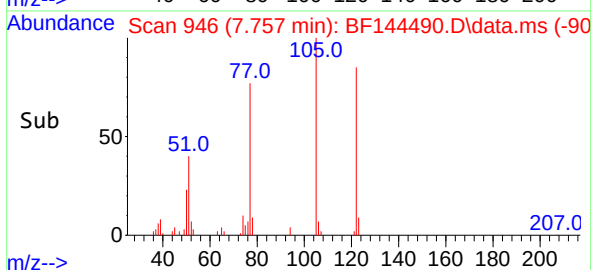
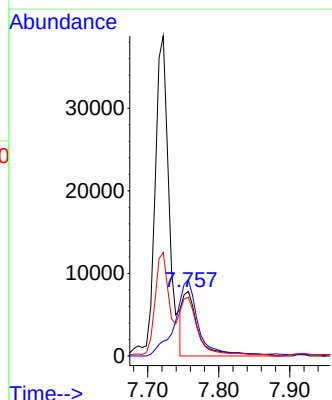
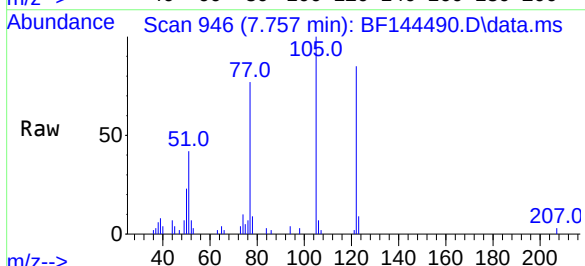
Tgt Ion:122 Resp: 12125

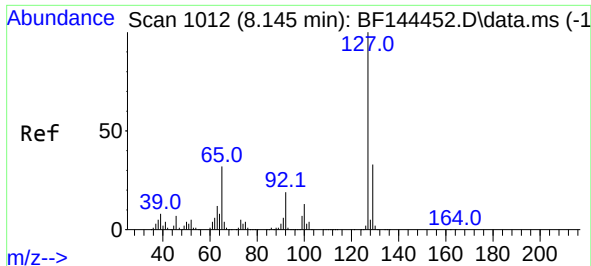
Ion Ratio Lower Upper

122 100

105 117.6 103.2 143.2

77 91.0 75.1 115.1



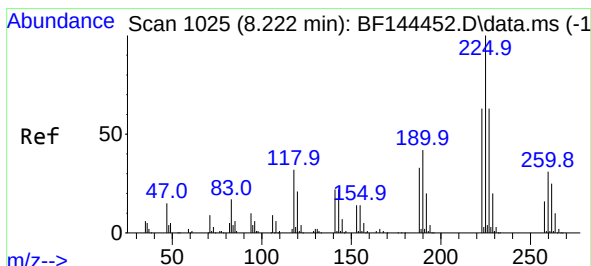
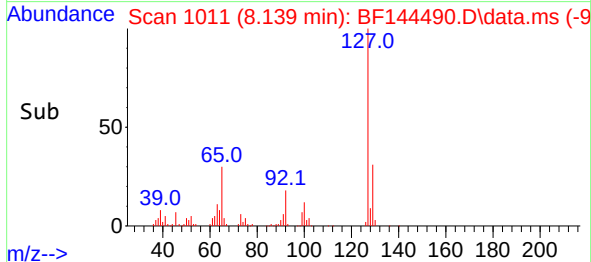
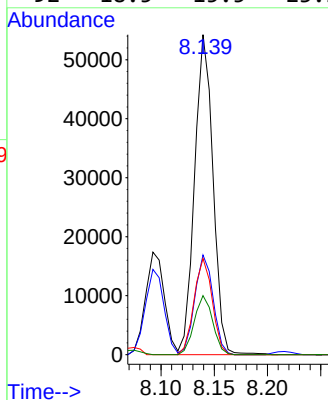
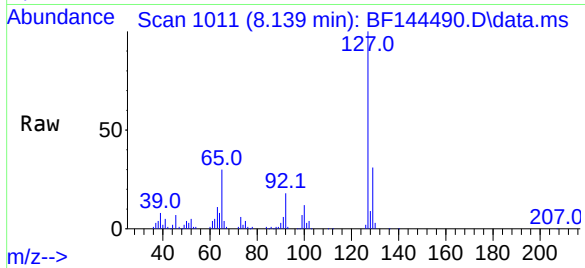


#33
4-Chloroaniline
Concen: 3.965 ng
RT: 8.139 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:127 Resp: 65422

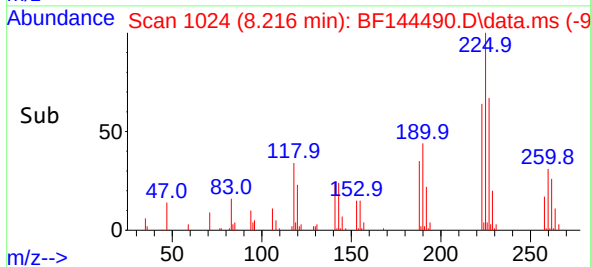
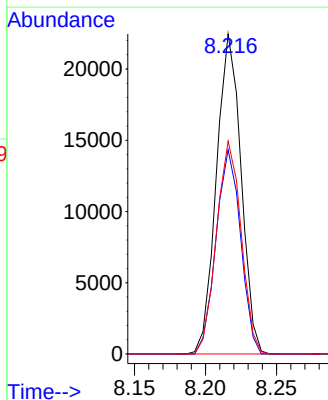
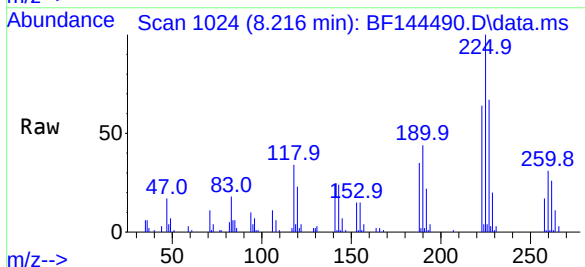
Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.2	39.4
65	30.1	25.8	38.8
92	18.5	15.5	23.3

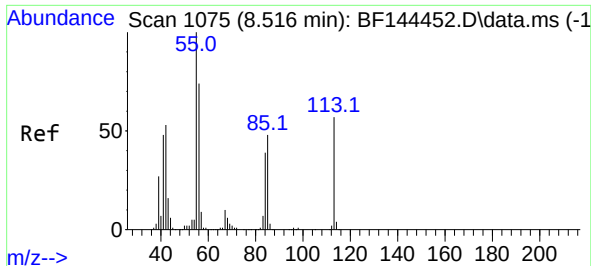


#34
Hexachlorobutadiene
Concen: 3.703 ng
RT: 8.216 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:225 Resp: 27081

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.1	75.1
227	66.5	50.3	75.5

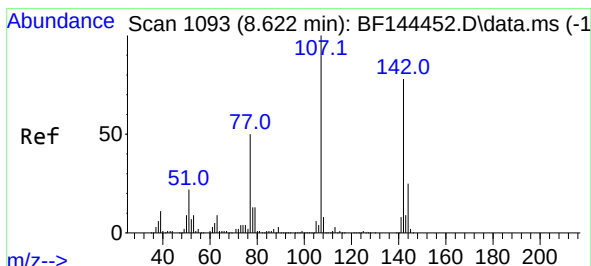
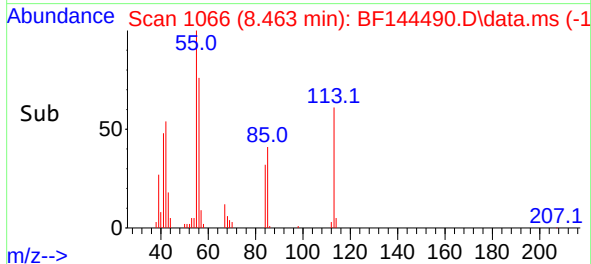
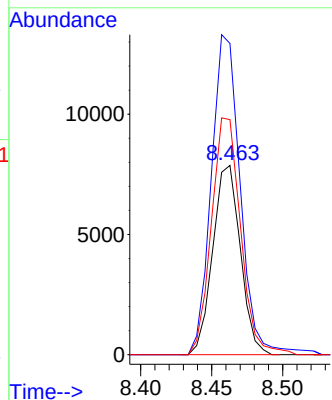
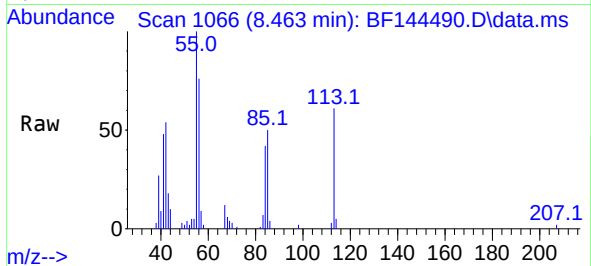




#35
Caprolactam
Concen: 2.954 ng
RT: 8.463 min Scan# 1066
Delta R.T. -0.053 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

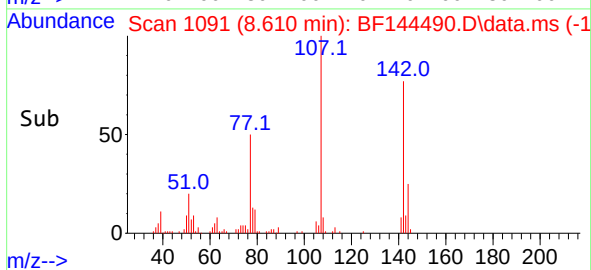
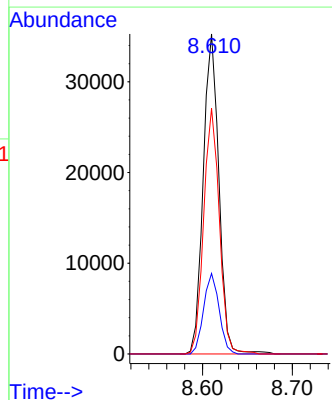
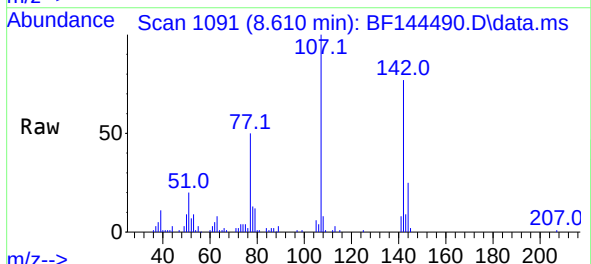
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

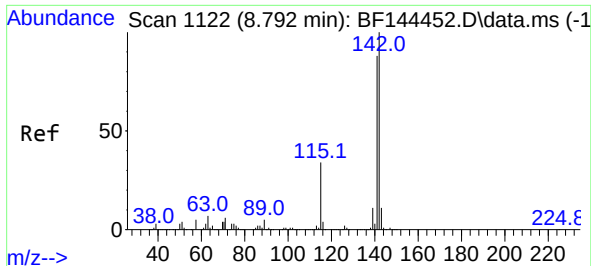
Tgt Ion:113 Resp: 10637
Ion Ratio Lower Upper
113 100
55 164.3 154.5 194.5
56 124.2 109.8 149.8



#36
4-Chloro-3-methylphenol
Concen: 3.607 ng
RT: 8.610 min Scan# 1091
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:107 Resp: 42698
Ion Ratio Lower Upper
107 100
144 25.2 20.4 30.6
142 76.7 62.4 93.6





#37

2-Methylnaphthalene

Concen: 3.513 ng

RT: 8.786 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF144490.D

Acq: 16 Dec 2025 12:46

Instrument :

BNA_F

ClientSampleId :

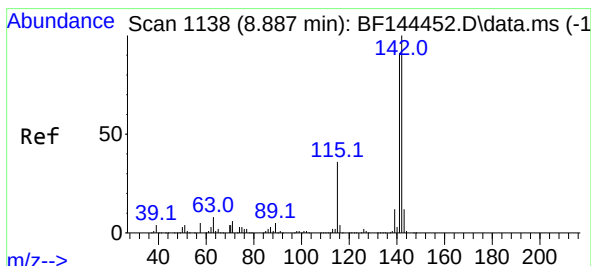
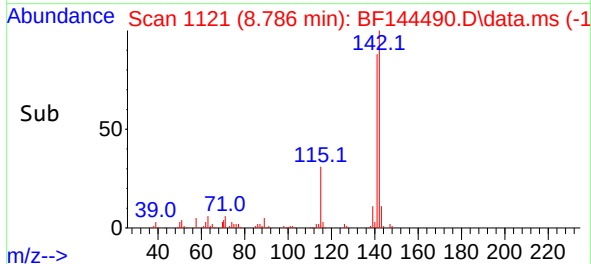
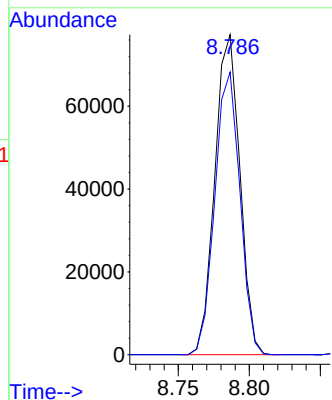
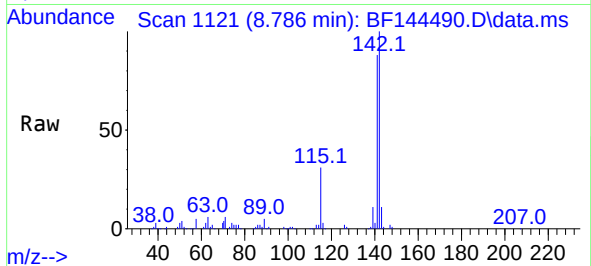
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Tgt Ion:142 Resp: 94887

Ion Ratio Lower Upper

142 100

141 88.3 70.0 105.0



#38

1-Methylnaphthalene

Concen: 3.799 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF144490.D

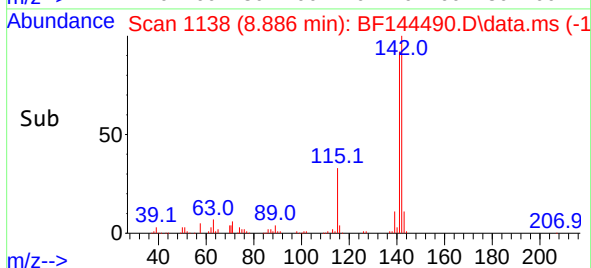
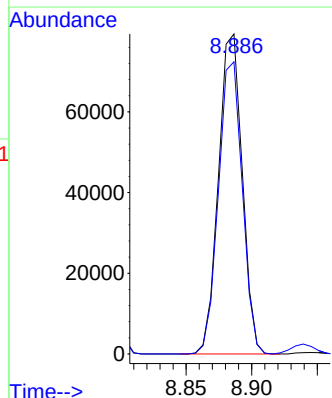
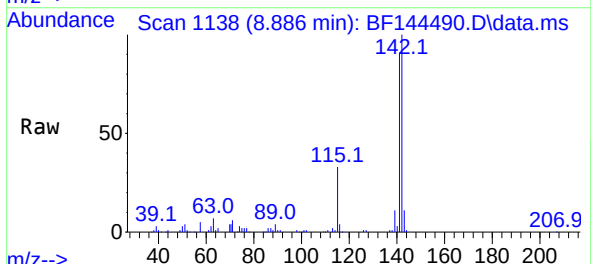
Acq: 16 Dec 2025 12:46

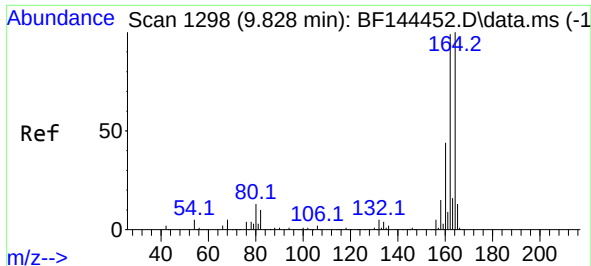
Tgt Ion:142 Resp: 99912

Ion Ratio Lower Upper

142 100

141 91.3 72.6 109.0

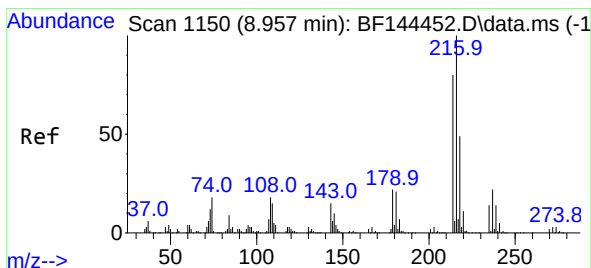
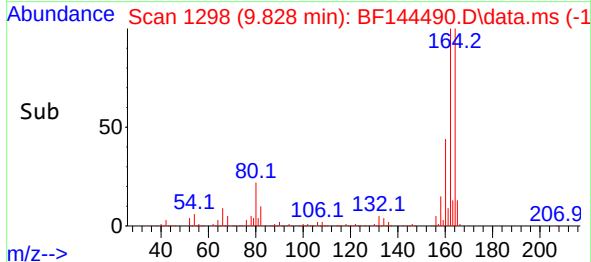
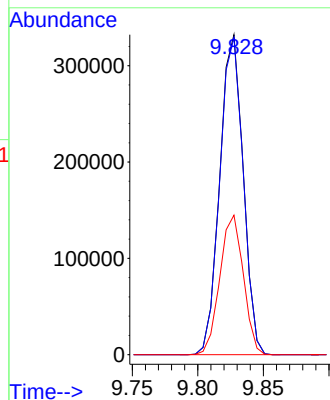
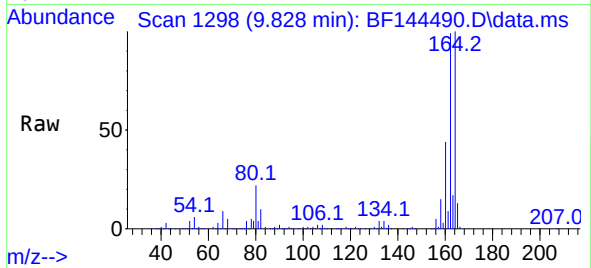




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

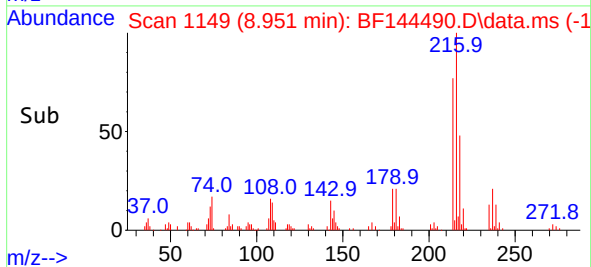
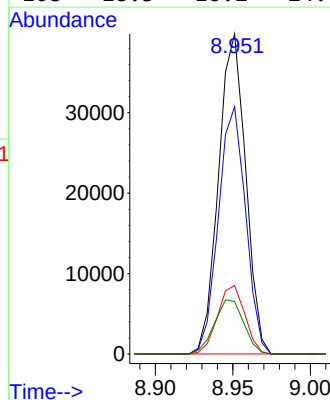
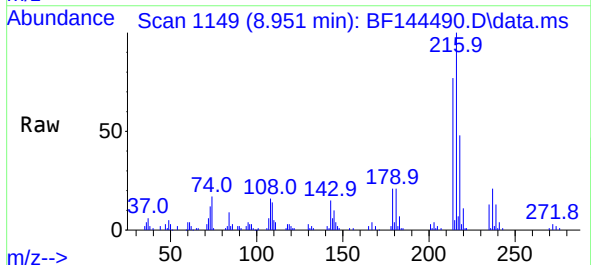
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

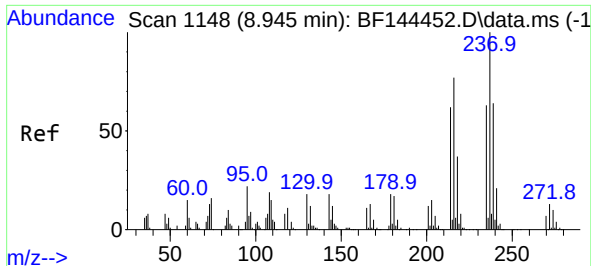
Tgt Ion:164 Resp: 411594
Ion Ratio Lower Upper
164 100
162 99.1 79.2 118.8
160 43.6 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.141 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:216 Resp: 48503
Ion Ratio Lower Upper
216 100
214 77.4 63.8 95.6
179 21.5 17.7 26.5
108 18.3 16.2 24.4

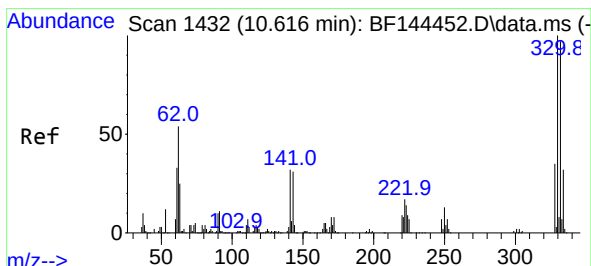
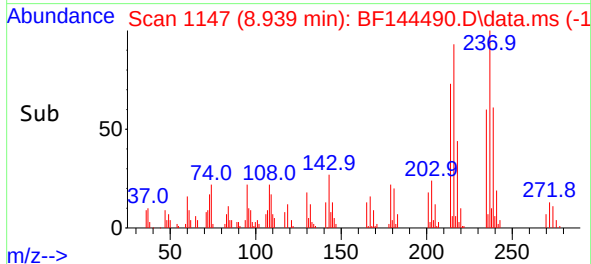
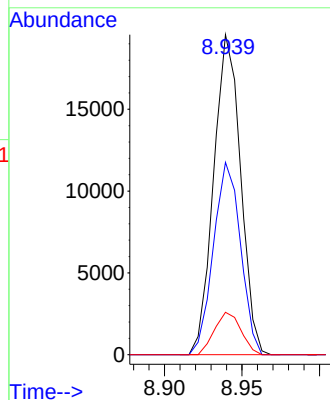
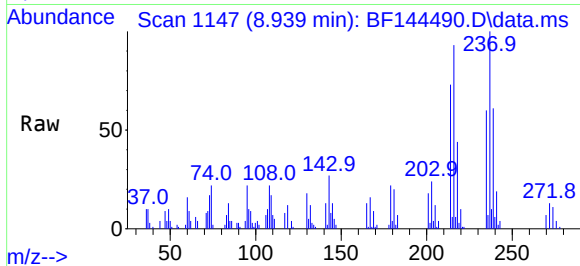




#41
Hexachlorocyclopentadiene
Concen: 3.411 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

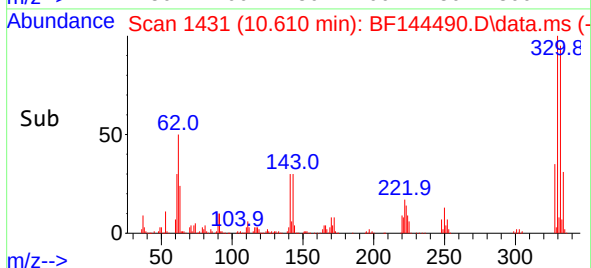
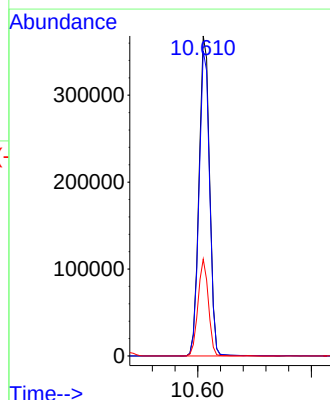
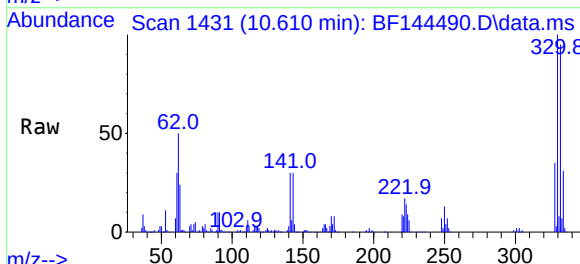
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

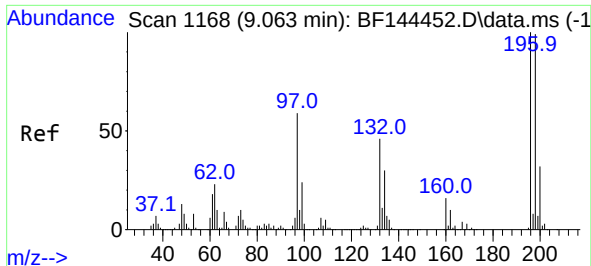
Tgt Ion: 237 Resp: 23649
Ion Ratio Lower Upper
237 100
235 60.1 43.2 83.2
272 13.3 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 128.522 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 330 Resp: 478257
Ion Ratio Lower Upper
330 100
332 95.6 77.5 116.3
141 29.6 26.2 39.2

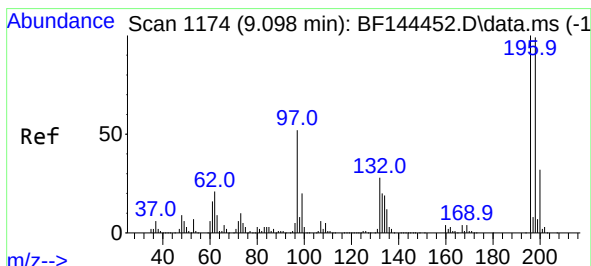
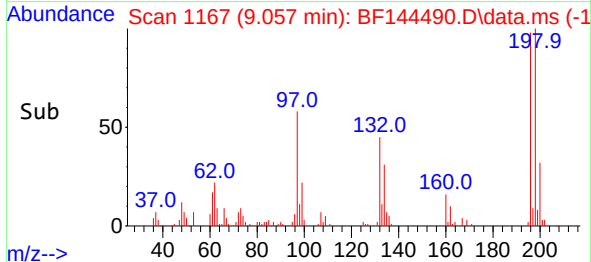
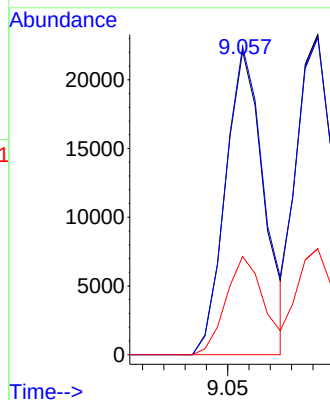
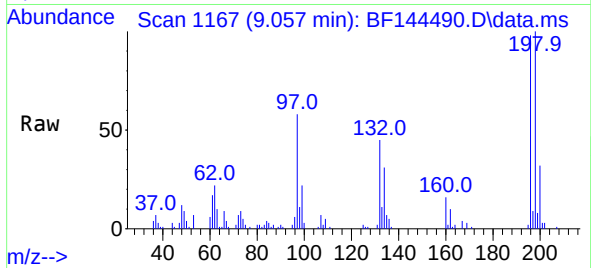




#43
2,4,6-Trichlorophenol
Concen: 3.729 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

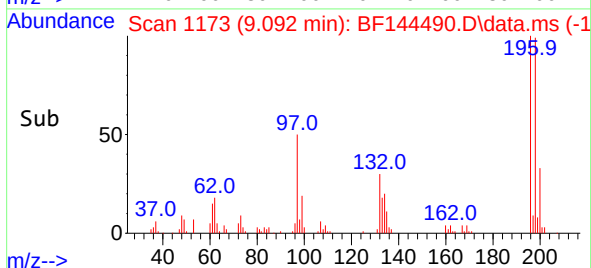
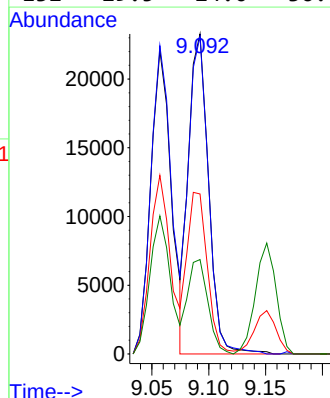
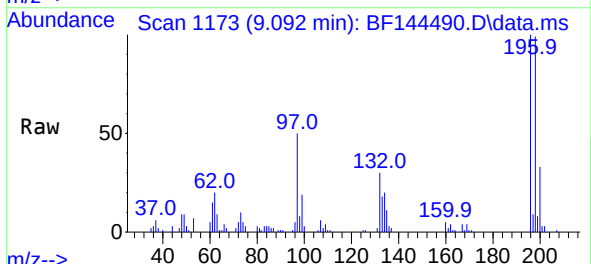
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

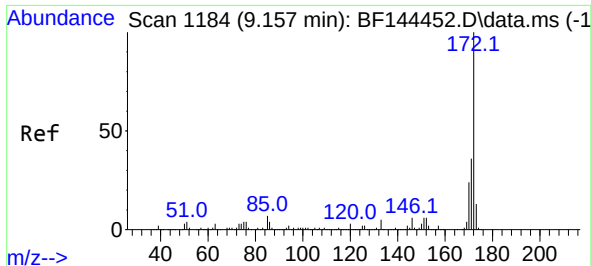
Tgt Ion:196 Resp: 27738
Ion Ratio Lower Upper
196 100
198 101.6 79.0 118.4
200 32.3 25.3 37.9



#44
2,4,5-Trichlorophenol
Concen: 3.662 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:196 Resp: 28590
Ion Ratio Lower Upper
196 100
198 99.1 79.5 119.3
97 50.0 42.2 63.2
132 29.5 24.0 36.0

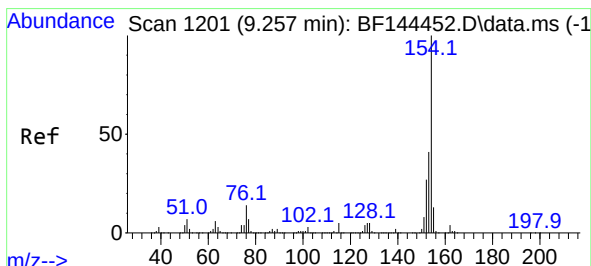
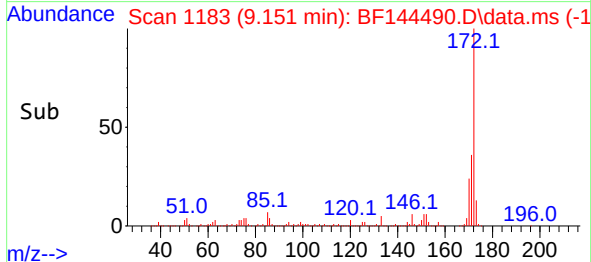
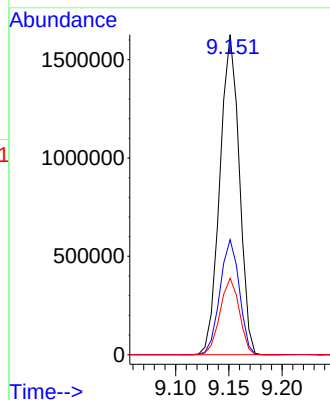
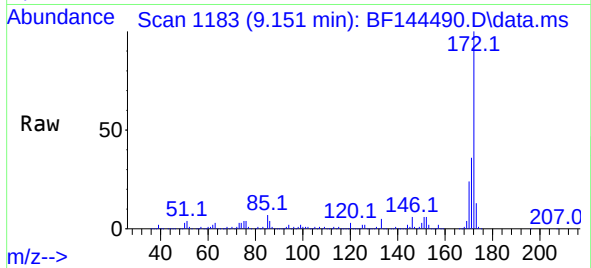




#45
2-Fluorobiphenyl
Concen: 76.653 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

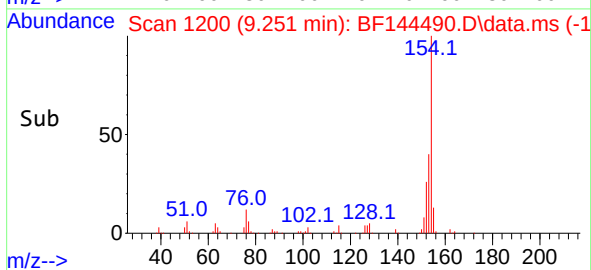
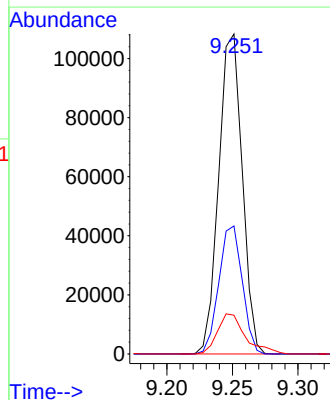
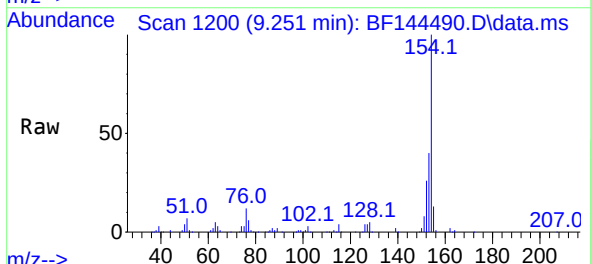
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

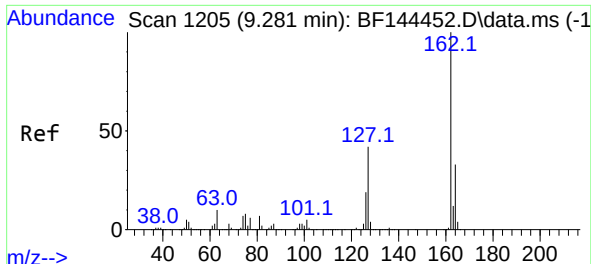
Tgt Ion:172 Resp: 2056613
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.8 19.3 28.9



#46
1,1'-Biphenyl
Concen: 4.200 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:154 Resp: 135082
Ion Ratio Lower Upper
154 100
153 40.0 21.0 61.0
76 12.1 0.0 33.8

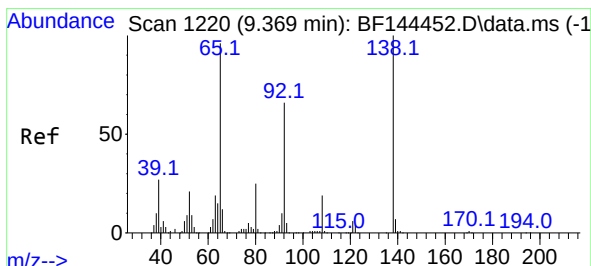
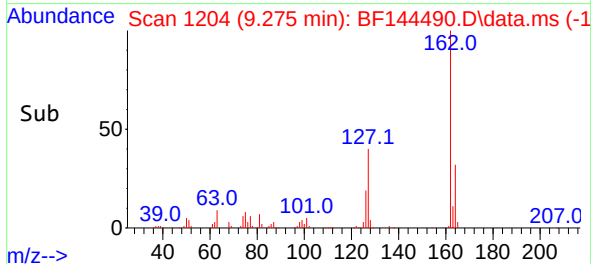
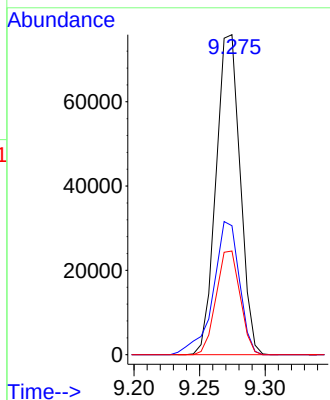
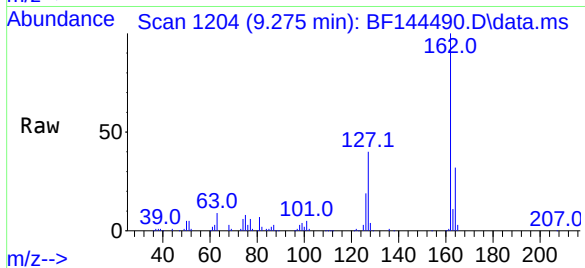




#47
2-Chloronaphthalene
Concen: 3.949 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

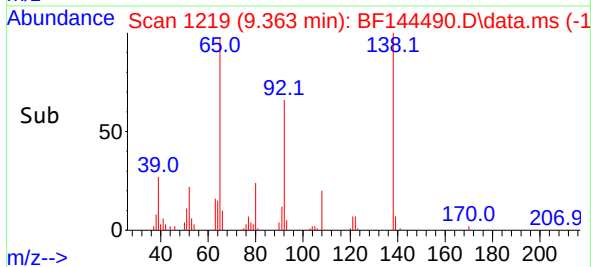
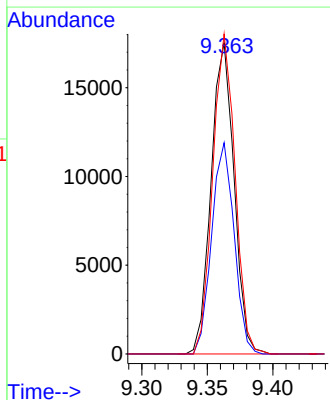
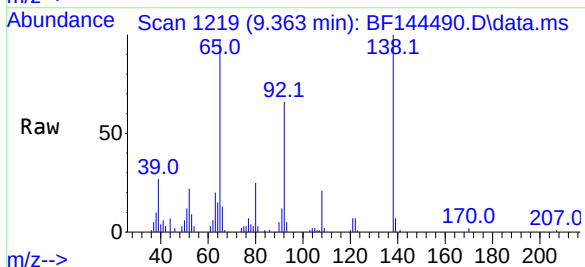
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

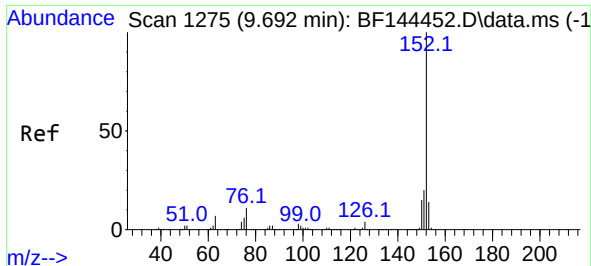
Tgt Ion:162 Resp: 96974
Ion Ratio Lower Upper
162 100
127 40.3 33.6 50.4
164 32.4 26.6 39.8



#48
2-Nitroaniline
Concen: 6.430 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion: 65 Resp: 21310
Ion Ratio Lower Upper
65 100
92 67.8 55.0 82.4
138 102.8 83.4 125.2

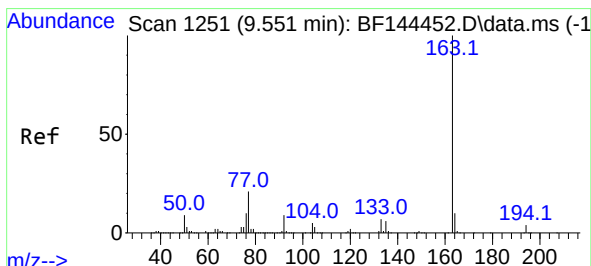
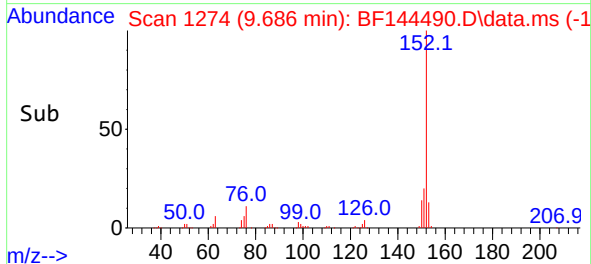
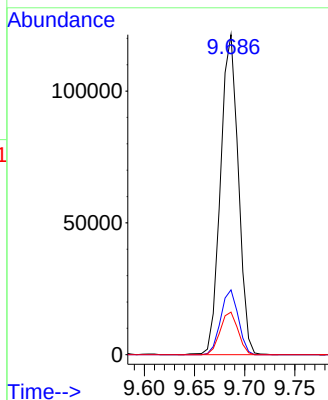
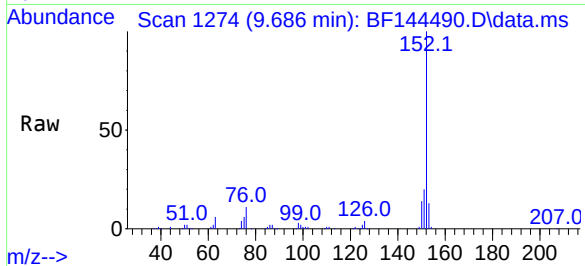




#49
Acenaphthylene
Concen: 3.841 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

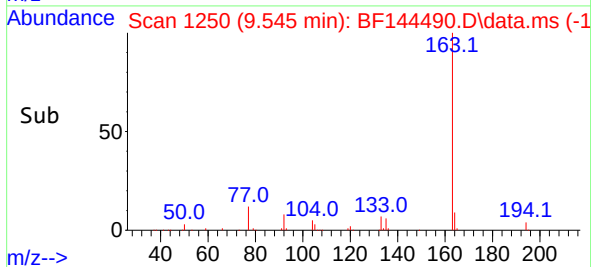
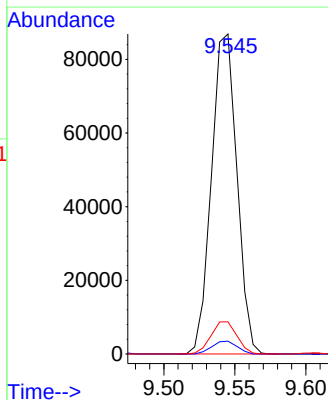
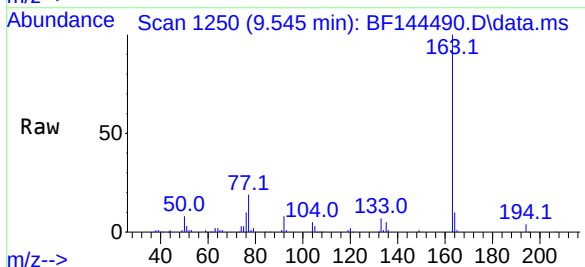
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

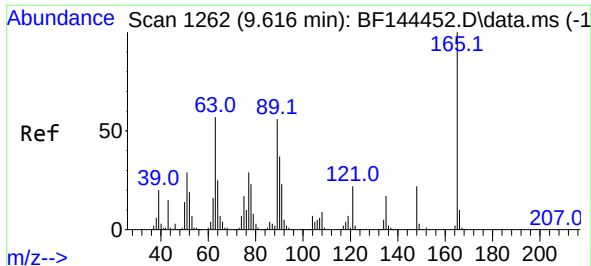
Tgt Ion:152 Resp: 149436
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 11.4 17.0



#50
Dimethylphthalate
Concen: 3.904 ng
RT: 9.545 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:163 Resp: 108533
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.1 8.3 12.5

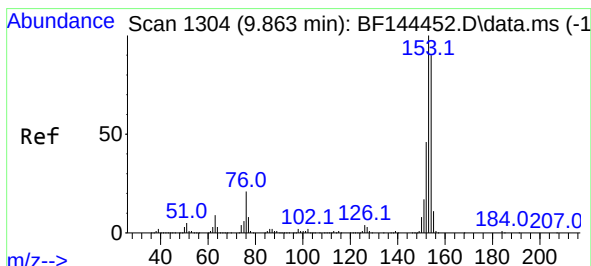
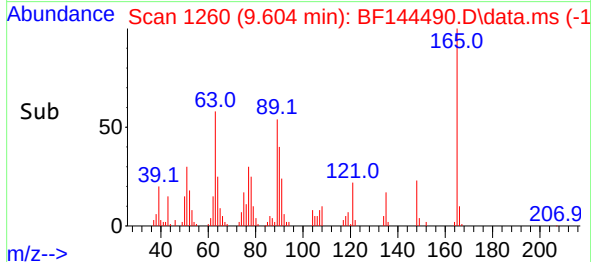
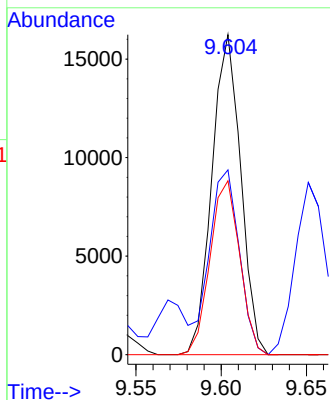
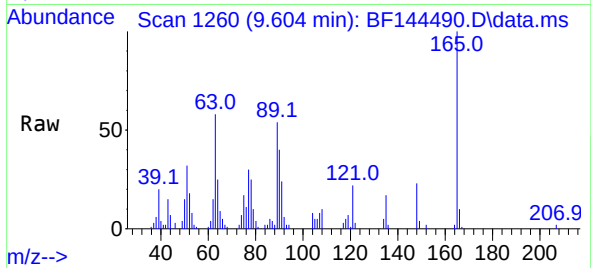




#51
2,6-Dinitrotoluene
Concen: 7.355 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

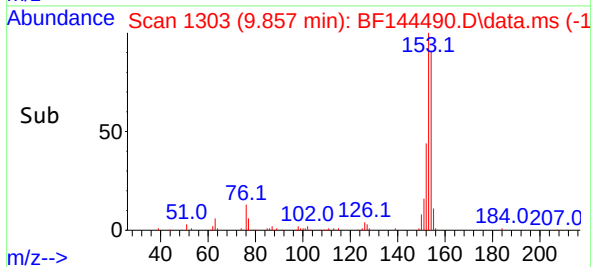
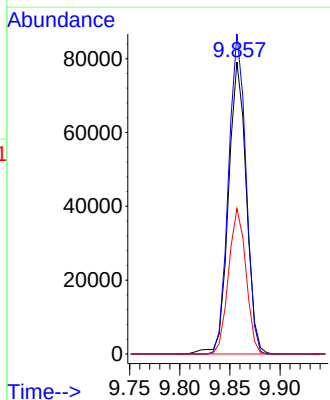
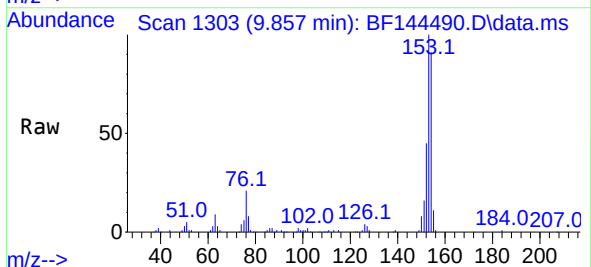
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

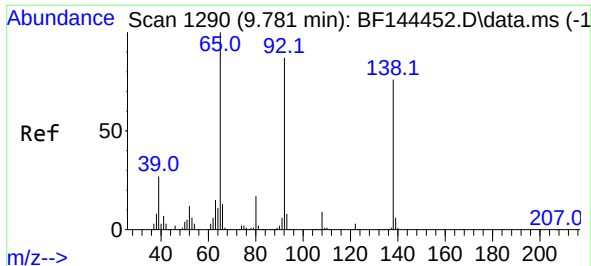
Tgt Ion:165 Resp: 19114
Ion Ratio Lower Upper
165 100
63 57.7 45.9 68.9
89 54.3 44.6 67.0



#52
Acenaphthene
Concen: 4.024 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:154 Resp: 97615
Ion Ratio Lower Upper
154 100
153 109.6 88.6 132.8
152 49.8 40.6 61.0

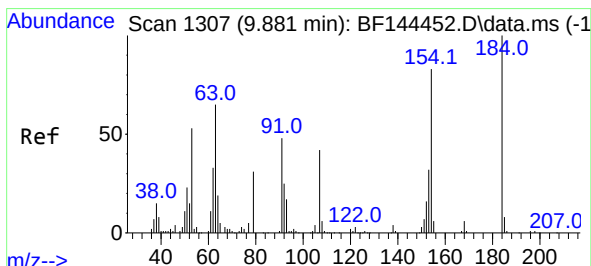
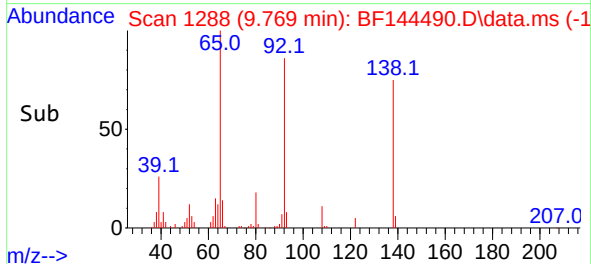
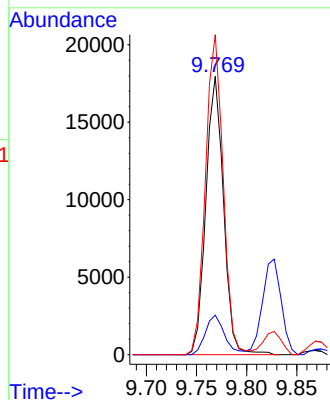
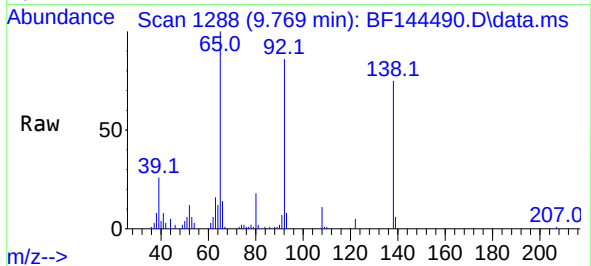




#53
3-Nitroaniline
Concen: 6.323 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

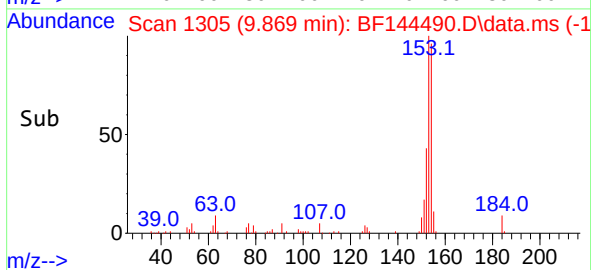
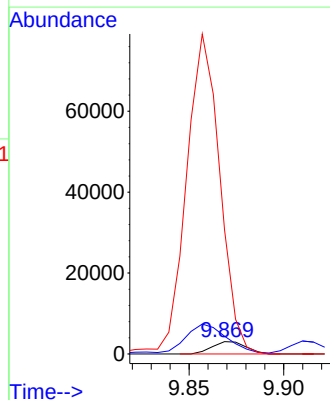
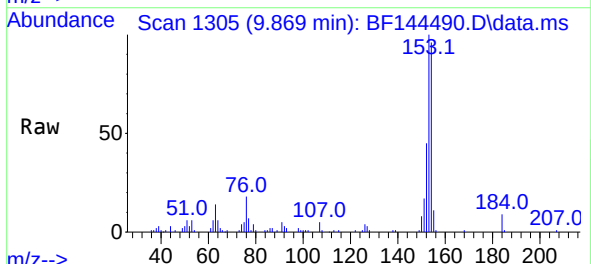
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

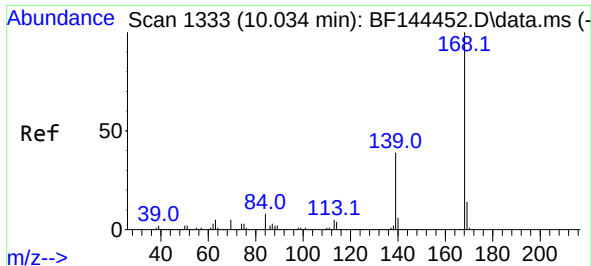
Tgt Ion:138 Resp: 22058
Ion Ratio Lower Upper
138 100
108 14.2 9.7 14.5
92 115.0 91.5 137.3



#54
2,4-Dinitrophenol
Concen: 8.548 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:184 Resp: 3786
Ion Ratio Lower Upper
184 100
63 143.9 60.6 91.0#
154 1008.3 137.8 206.8#





#55

Dibenzenofuran

Concen: 4.057 ng

RT: 10.028 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144490.D

Acq: 16 Dec 2025 12:46

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

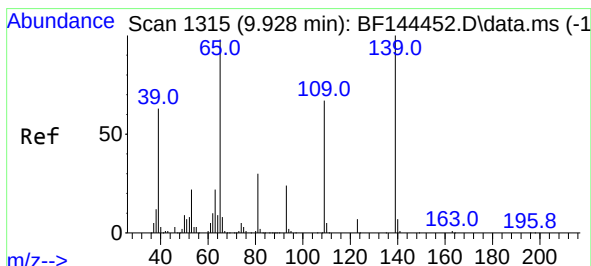
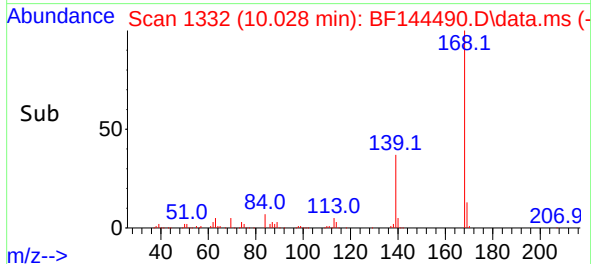
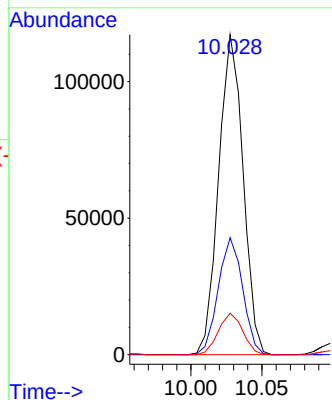
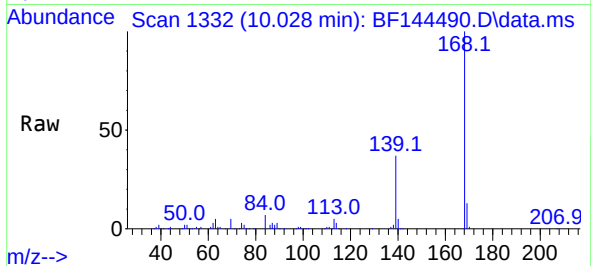
Tgt Ion:168 Resp: 140035

Ion Ratio Lower Upper

168 100

139 36.5 31.0 46.6

169 12.9 10.9 16.3



#56

4-Nitrophenol

Concen: 2.940 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.018 min

Lab File: BF144490.D

Acq: 16 Dec 2025 12:46

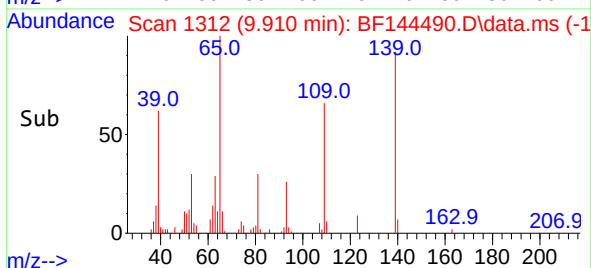
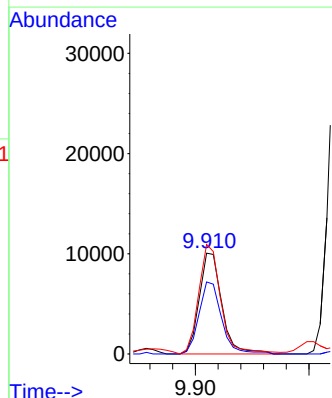
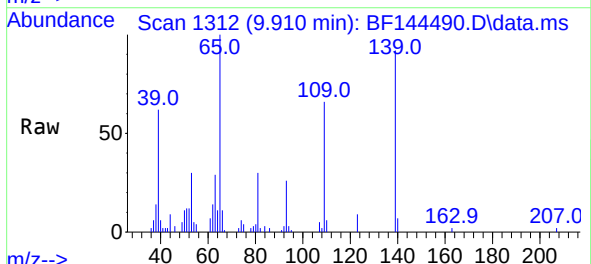
Tgt Ion:139 Resp: 13919

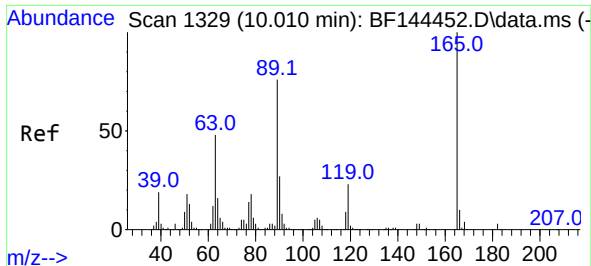
Ion Ratio Lower Upper

139 100

109 71.4 47.4 87.4

65 108.8 78.4 118.4

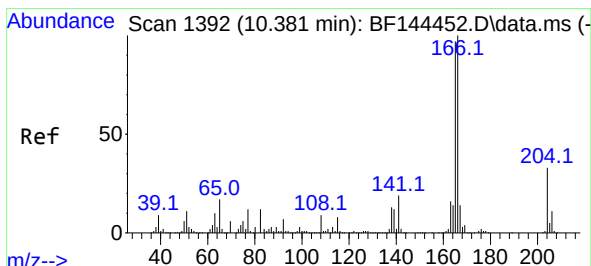
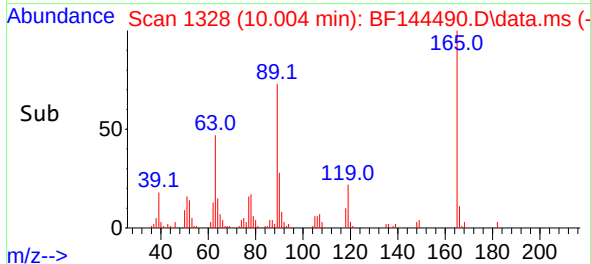
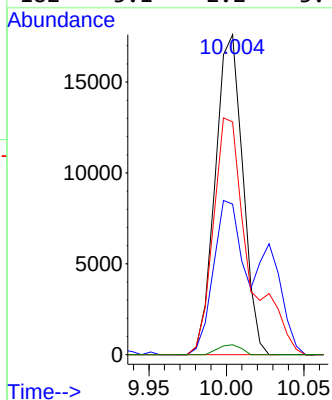
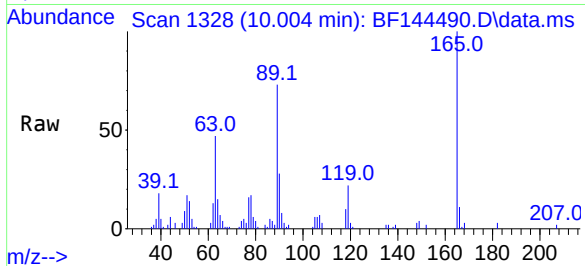




#57
2,4-Dinitrotoluene
Concen: 6.768 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

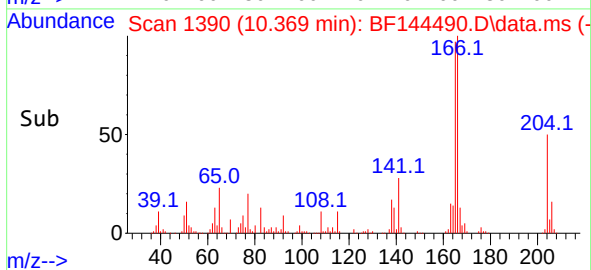
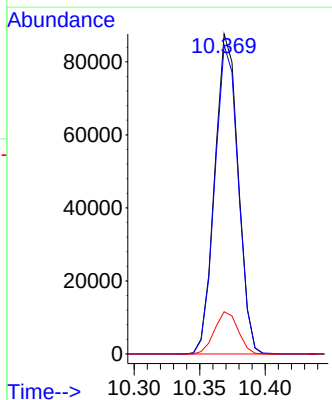
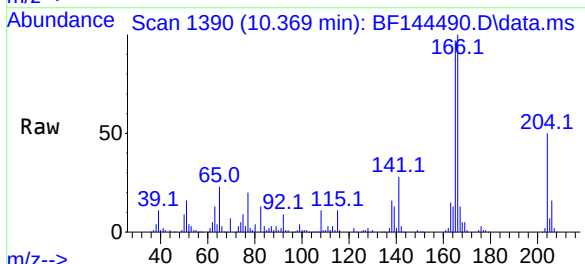
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

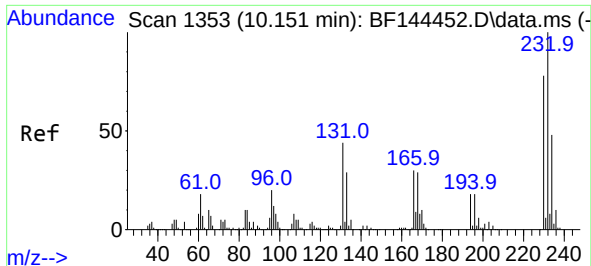
Tgt Ion:165	Resp:	21813
Ion	Ratio	Lower Upper
165	100	
63	47.1	38.2 57.4
89	72.7	61.2 91.8
182	3.1	2.2 3.4



#58
Fluorene
Concen: 4.160 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

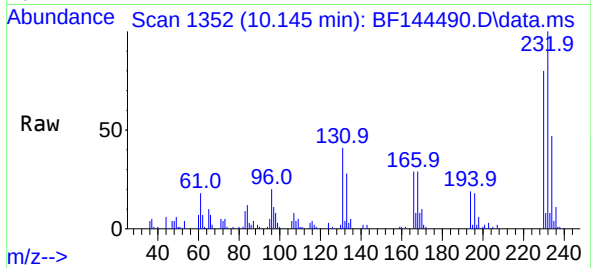
Tgt Ion:166	Resp:	108728
Ion	Ratio	Lower Upper
166	100	
165	96.6	77.6 116.4
167	13.2	10.8 16.2



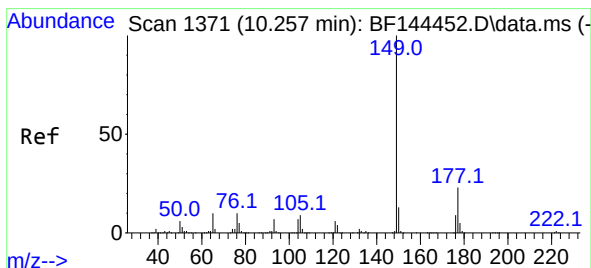
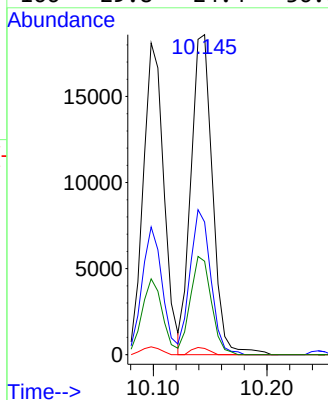
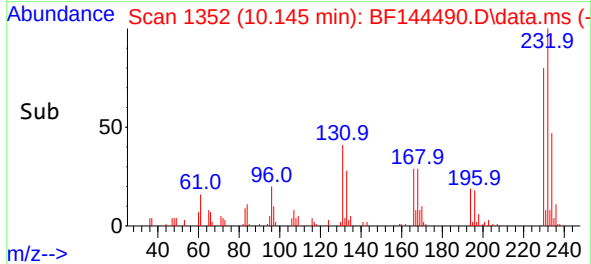


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.143 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

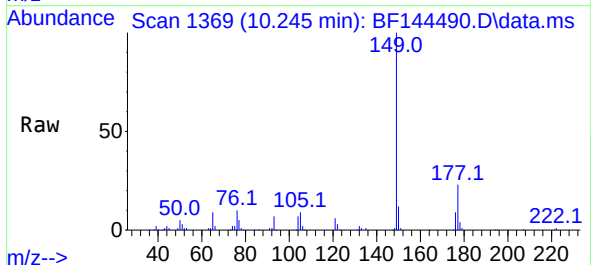
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025



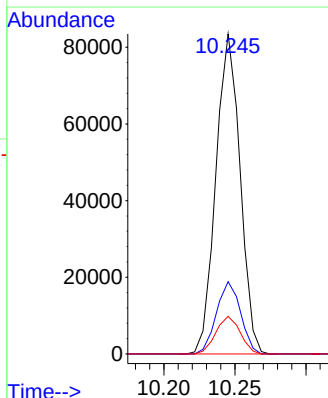
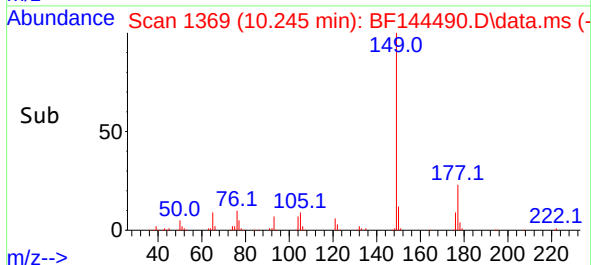
Tgt Ion:232 Resp: 24556
Ion Ratio Lower Upper
232 100
131 43.5 36.3 54.5
130 1.8 1.8 2.6
166 29.8 24.4 36.6

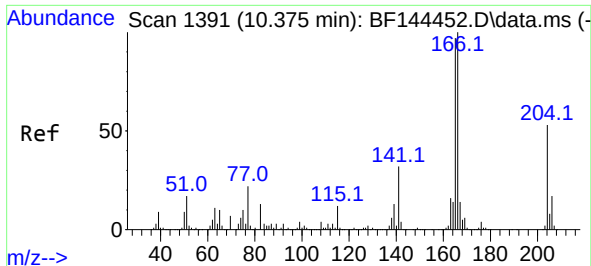


#60
Diethylphthalate
Concen: 3.750 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46



Tgt Ion:149 Resp: 98810
Ion Ratio Lower Upper
149 100
177 22.6 18.7 28.1
150 11.8 10.1 15.1

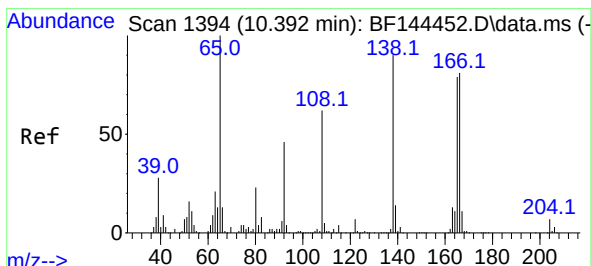
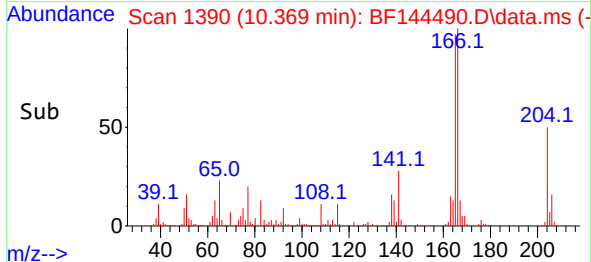
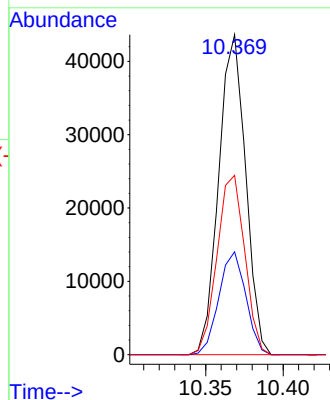
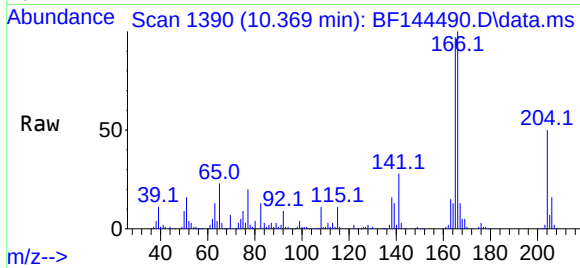




#61
4-Chlorophenyl-phenylether
Concen: 4.107 ng
RT: 10.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

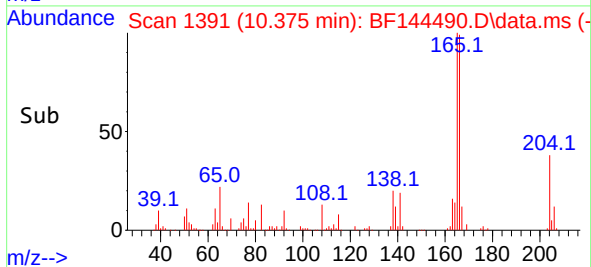
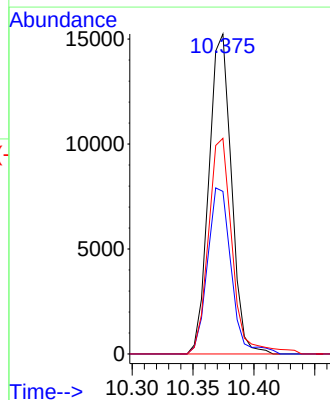
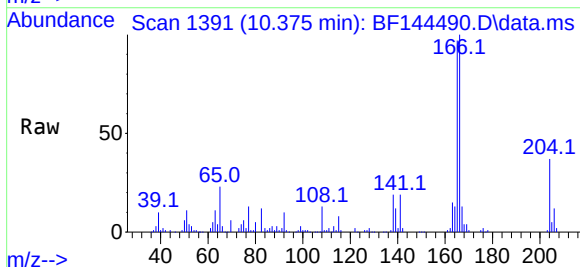
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

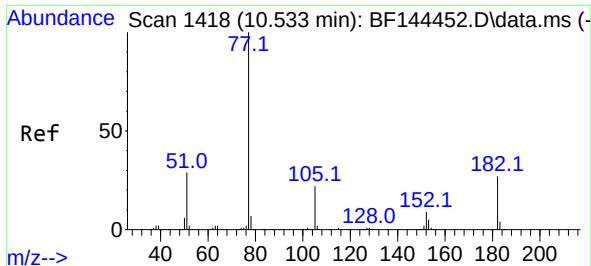
Tgt Ion:204 Resp: 52666
Ion Ratio Lower Upper
204 100
206 32.1 26.3 39.5
141 56.1 48.4 72.6



#62
4-Nitroaniline
Concen: 5.537 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.017 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:138 Resp: 19614
Ion Ratio Lower Upper
138 100
92 50.8 30.8 70.8
108 67.4 49.2 89.2

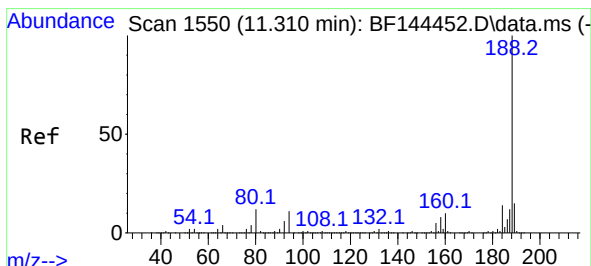
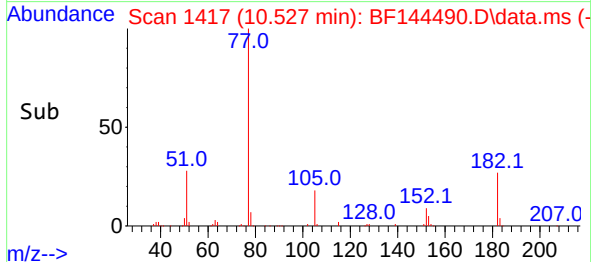
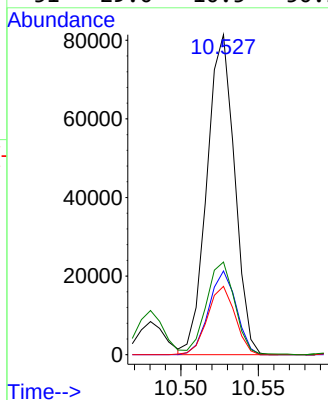
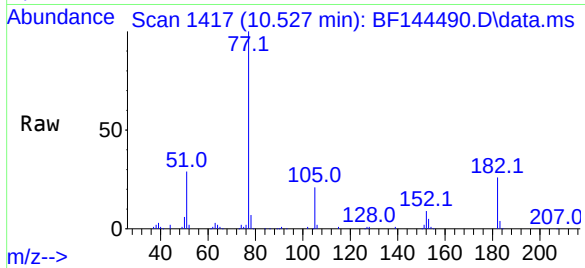




#63
Azobenzene
Concen: 3.632 ng
RT: 10.527 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

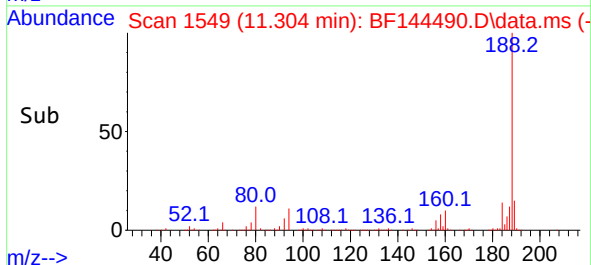
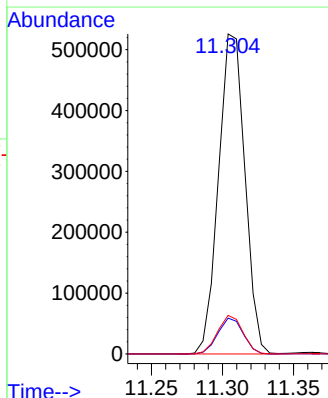
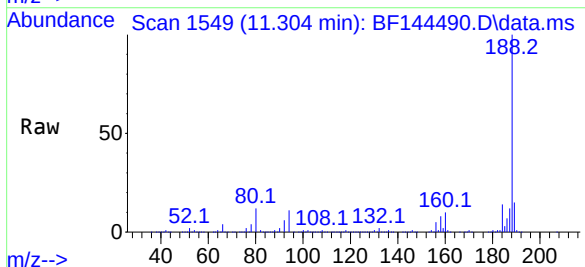
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

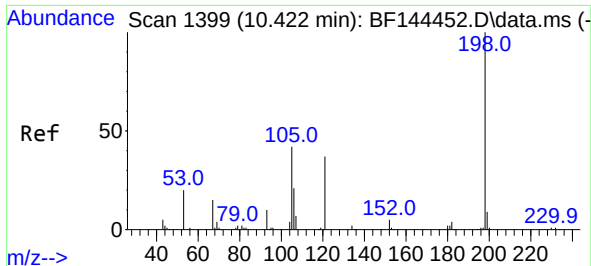
Tgt Ion: 77	Resp: 101150
Ion Ratio	Lower Upper
77 100	
182 26.1	6.1 46.1
105 21.3	1.5 41.5
51 29.0	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:188	Resp: 680224		
Ion Ratio	Lower	Upper	
188 100			
94 11.2	9.0	13.6	
80 12.1	9.8	14.8	

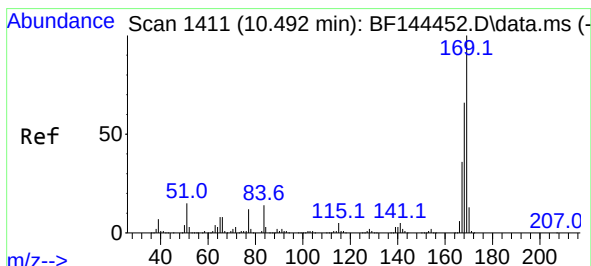
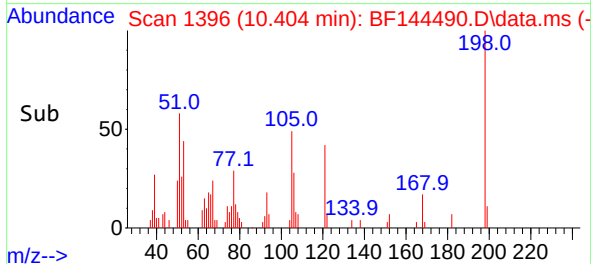
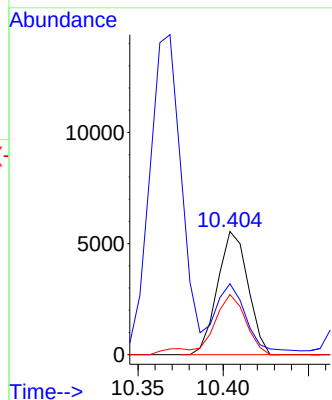
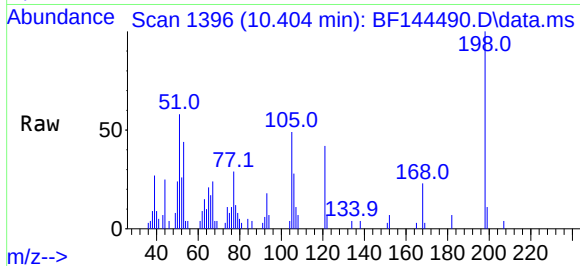




#65
4,6-Dinitro-2-methylphenol
Concen: 8.853 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

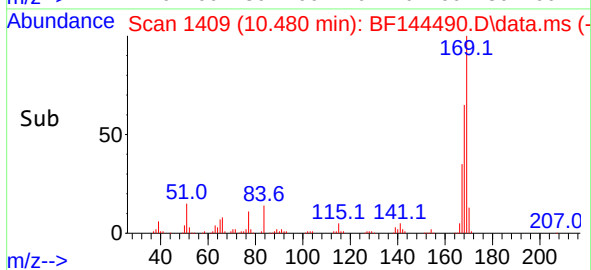
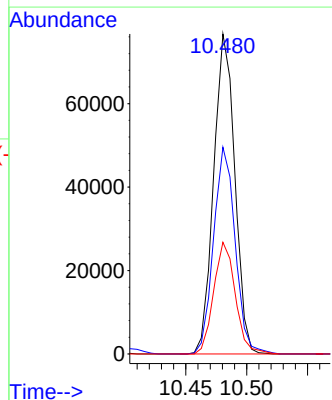
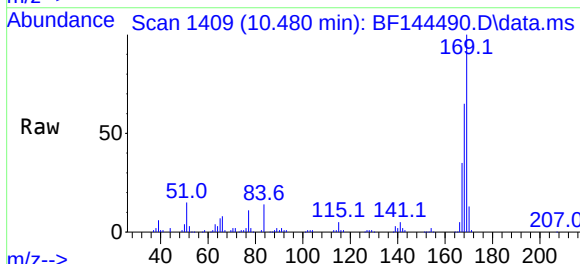
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

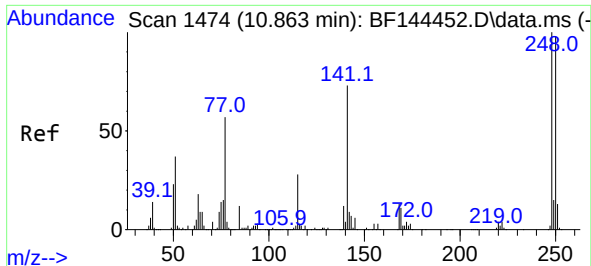
Tgt Ion:198 Resp: 6886
Ion Ratio Lower Upper
198 100
51 57.5 25.5 65.5
105 48.8 23.4 63.4



#66
n-Nitrosodiphenylamine
Concen: 3.972 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:169 Resp: 92589
Ion Ratio Lower Upper
169 100
168 64.6 52.6 79.0
167 34.9 28.8 43.2

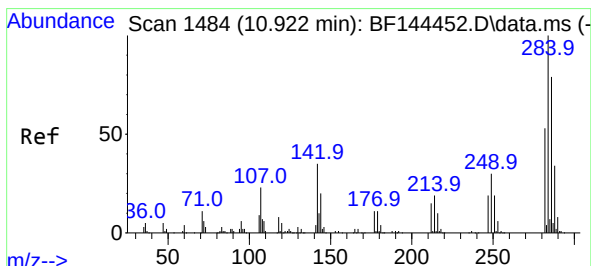
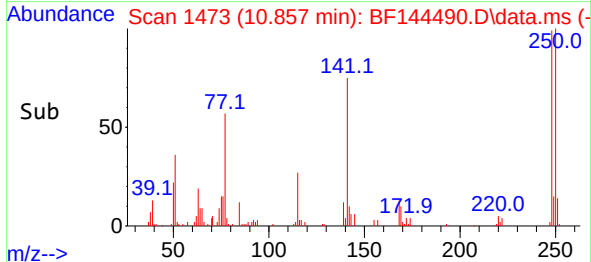
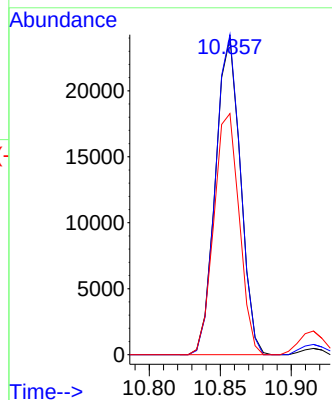
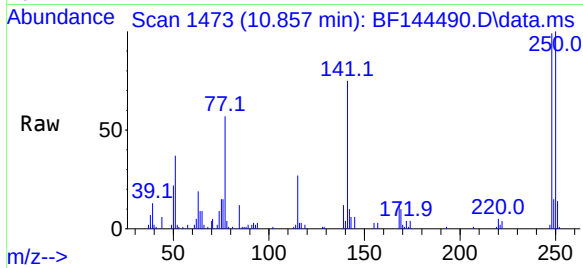




#67
4-Bromophenyl-phenylether
Concen: 3.700 ng
RT: 10.857 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

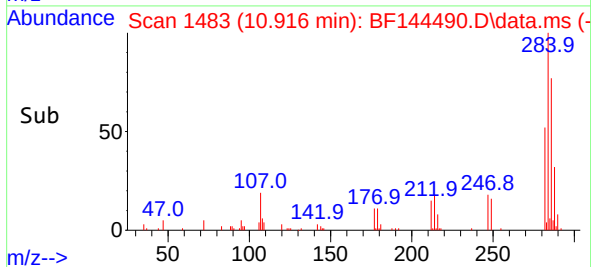
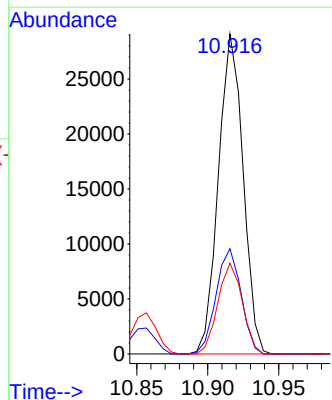
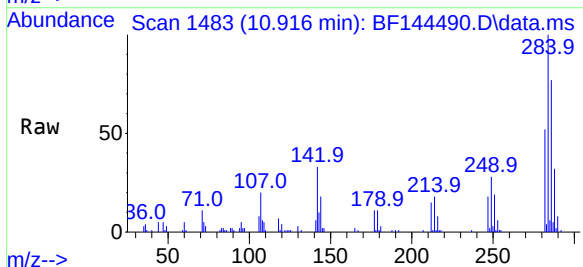
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

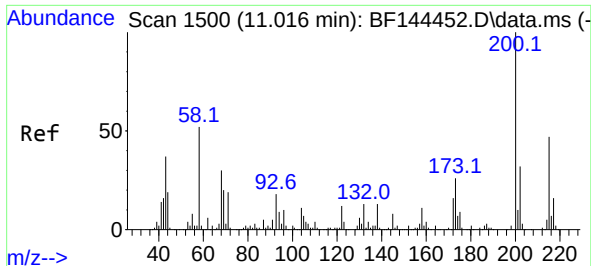
Tgt Ion:248 Resp: 29382
Ion Ratio Lower Upper
248 100
250 101.0 78.2 117.4
141 76.1 58.5 87.7



#68
Hexachlorobenzene
Concen: 4.007 ng
RT: 10.916 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:284 Resp: 35129
Ion Ratio Lower Upper
284 100
142 32.9 28.2 42.2
249 28.4 24.7 37.1

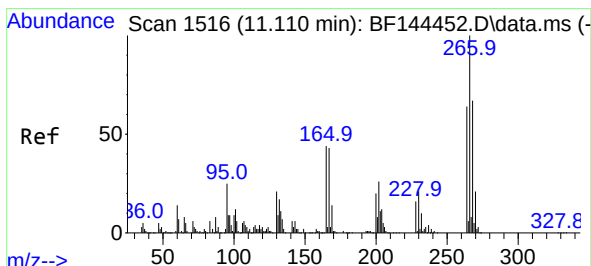
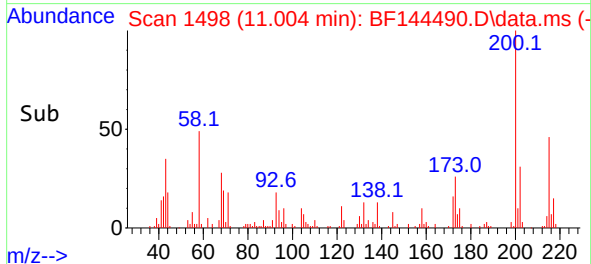
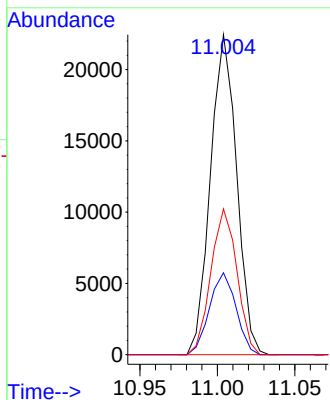
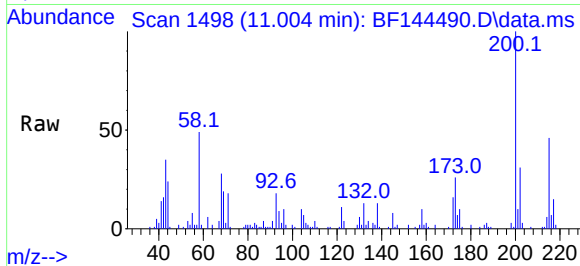




#69
Atrazine
Concen: 3.618 ng
RT: 11.004 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

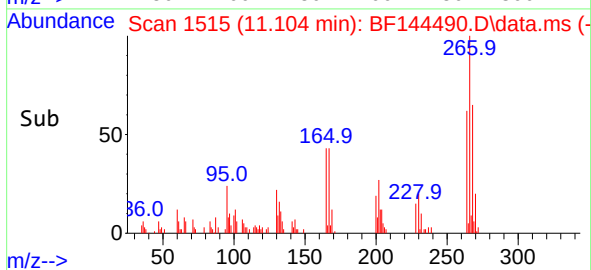
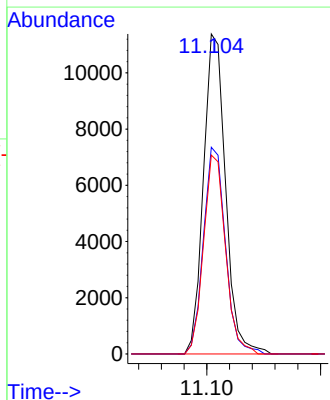
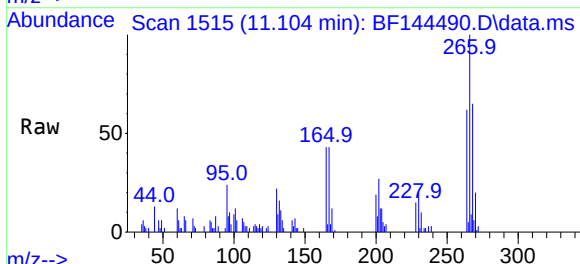
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

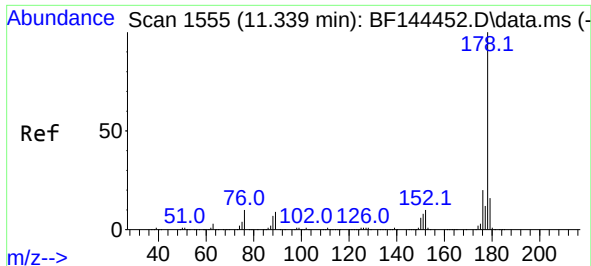
Tgt Ion:200 Resp: 26414
Ion Ratio Lower Upper
200 100
173 25.6 6.2 46.2
215 45.5 27.2 67.2



#70
Pentachlorophenol
Concen: 3.074 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:266 Resp: 15372
Ion Ratio Lower Upper
266 100
268 64.6 53.8 80.8
264 62.1 51.2 76.8

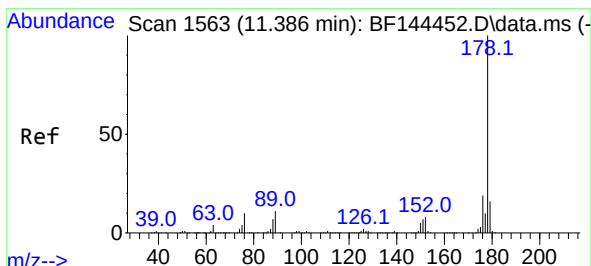
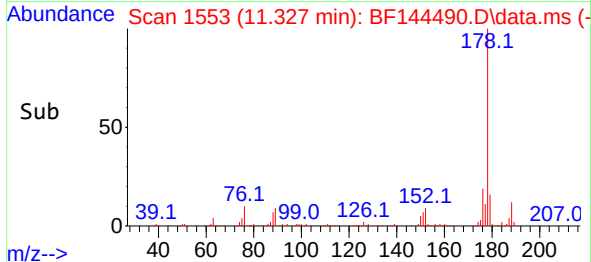
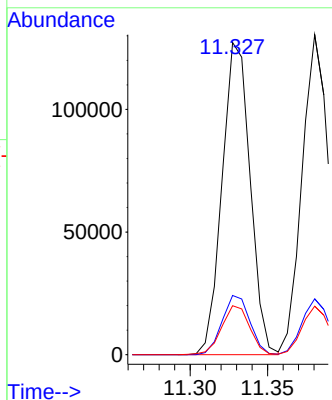
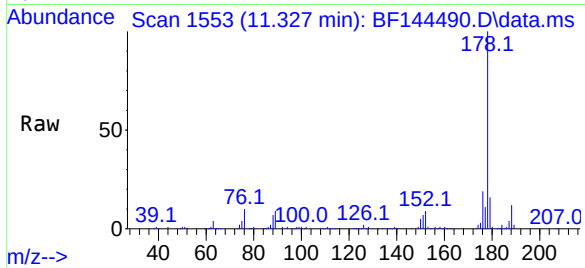




#71
Phenanthrene
Concen: 4.086 ng
RT: 11.327 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

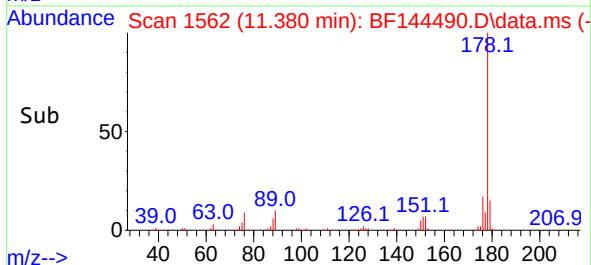
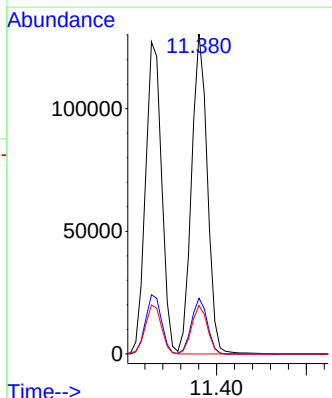
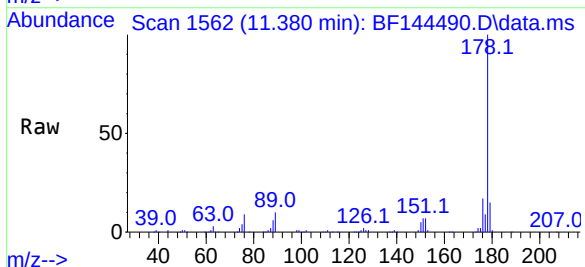
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

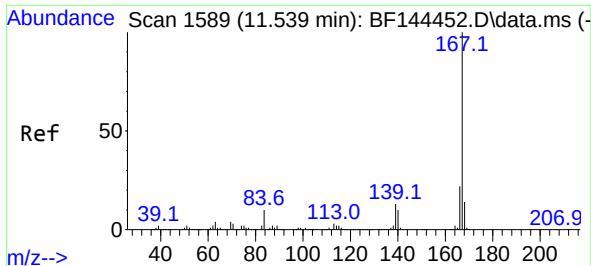
Tgt Ion:178 Resp: 160227
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.7 12.5 18.7



#72
Anthracene
Concen: 4.007 ng
RT: 11.380 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:178 Resp: 159040
Ion Ratio Lower Upper
178 100
176 17.4 15.2 22.8
179 15.2 12.7 19.1

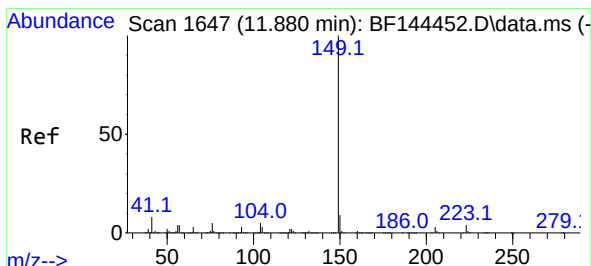
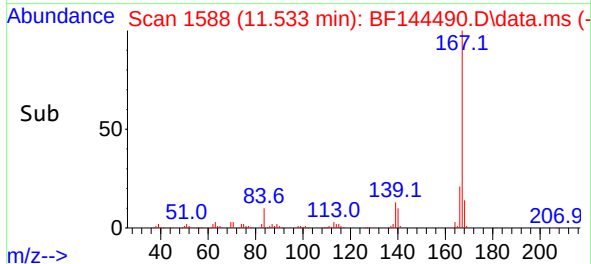
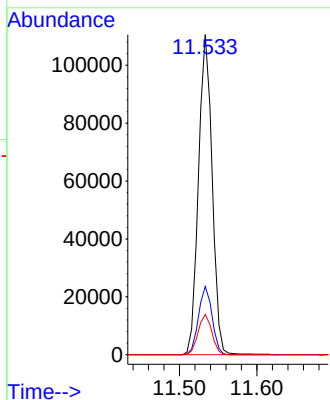
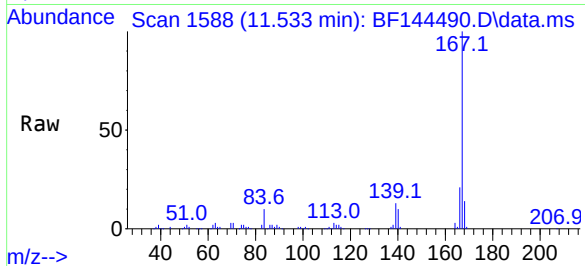




#73
 Carbazole
 Concen: 3.932 ng
 RT: 11.533 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF144490.D
 Acq: 16 Dec 2025 12:46

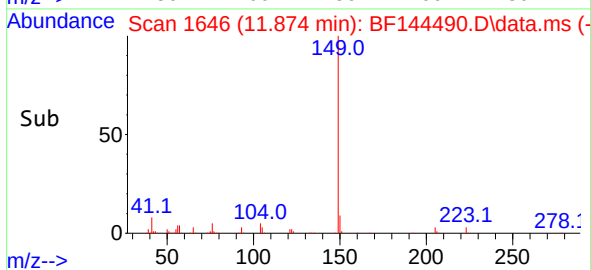
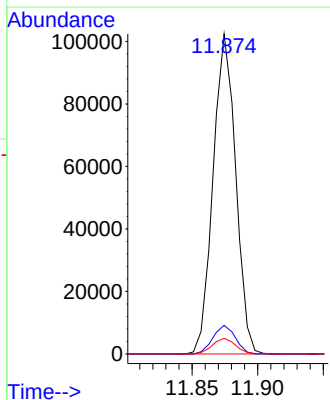
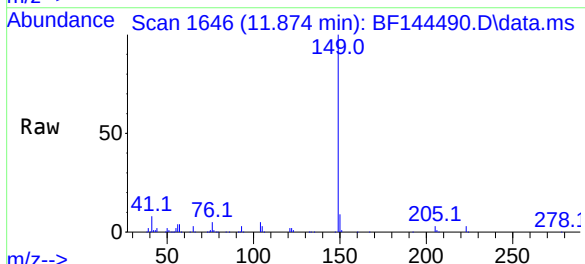
Instrument :
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 MDL-SOIL-03-QT4-2025

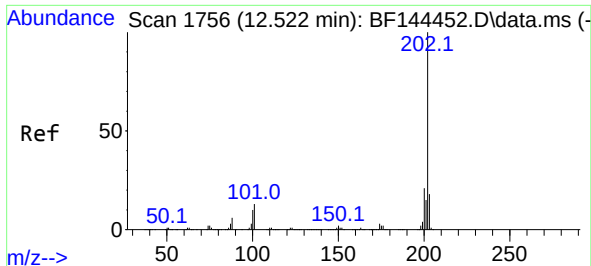
Tgt Ion:167 Resp: 135476
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.2
 139 12.6 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 3.324 ng
 RT: 11.874 min Scan# 1646
 Delta R.T. -0.006 min
 Lab File: BF144490.D
 Acq: 16 Dec 2025 12:46

Tgt Ion:149 Resp: 122422
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.5 11.3
 104 4.9 3.9 5.9

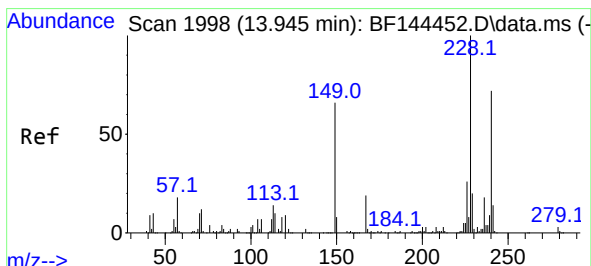
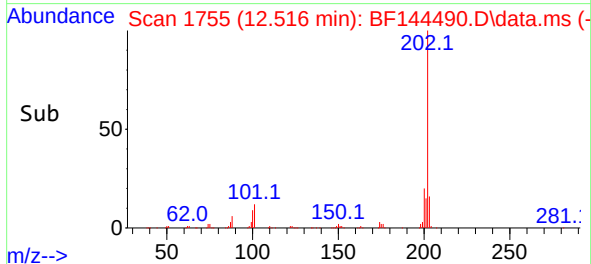
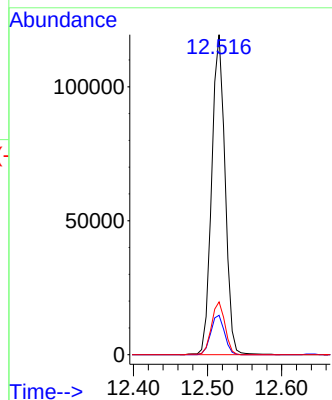
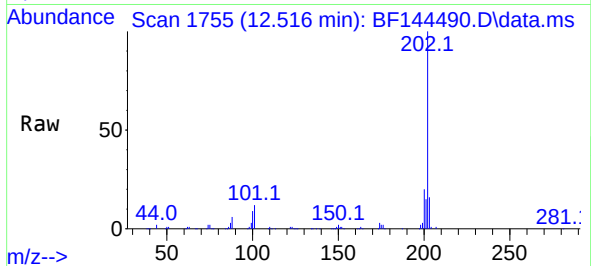




#75
Fluoranthene
Concen: 3.861 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

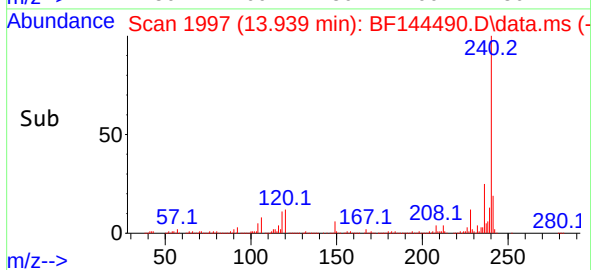
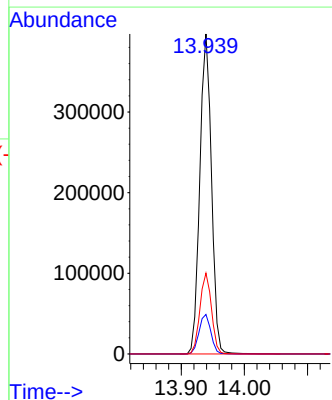
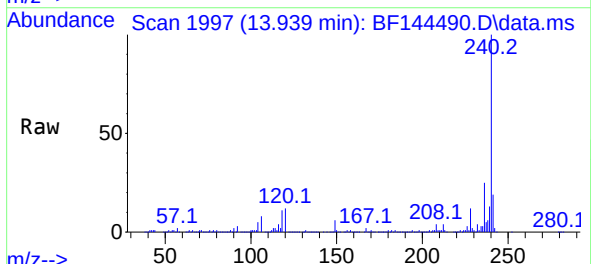
Instrument :
BNA_F
ClientSampleId :
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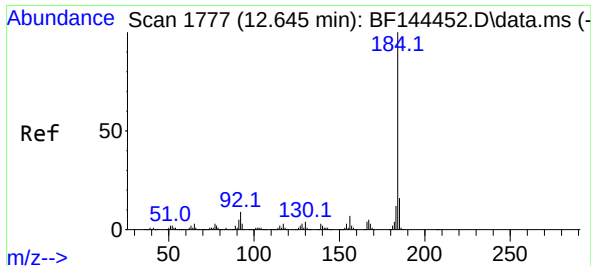
Tgt Ion:202 Resp: 149499
Ion Ratio Lower Upper
202 100
101 12.3 0.0 32.9
203 16.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:240 Resp: 505639
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 25.3 20.2 30.4

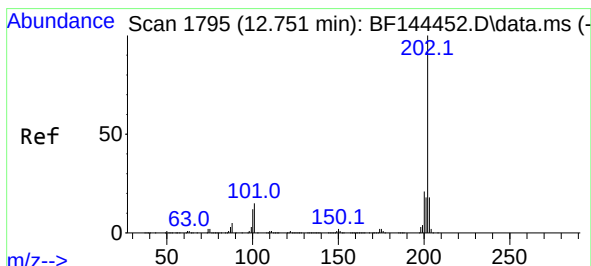
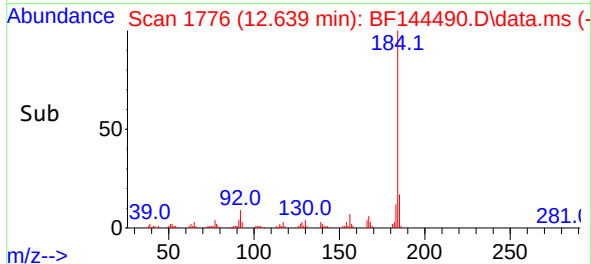
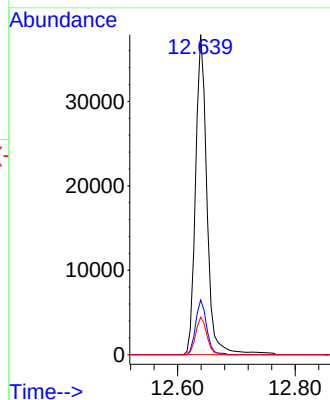
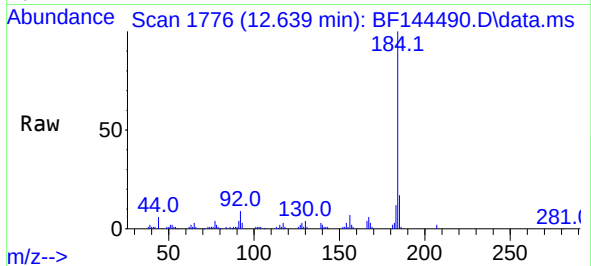




#77
Benzidine
Concen: 2.838 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

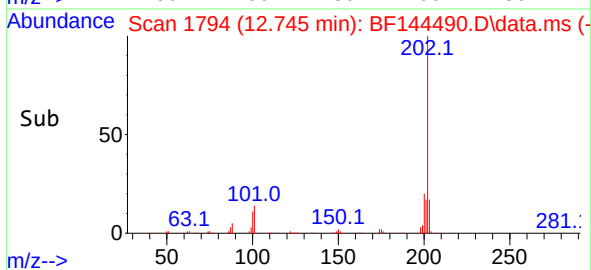
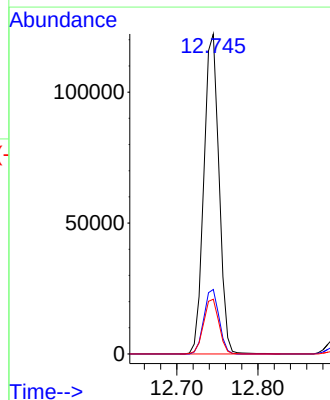
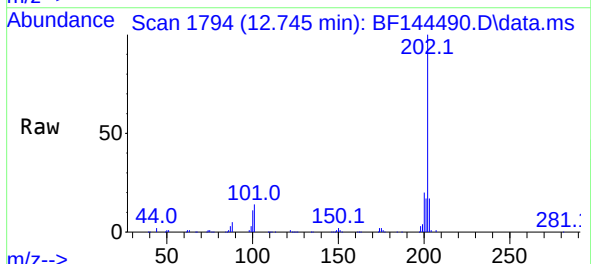
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

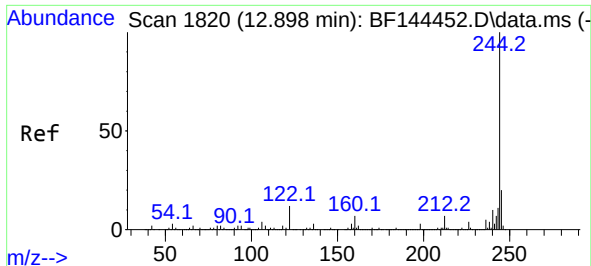
Tgt Ion:184 Resp: 51102
Ion Ratio Lower Upper
184 100
185 17.1 12.6 18.8
183 11.7 9.4 14.0



#78
Pyrene
Concen: 3.414 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

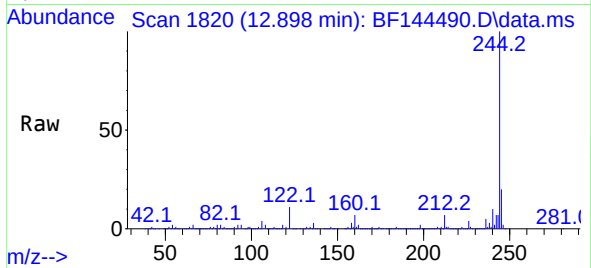
Tgt Ion:202 Resp: 158167
Ion Ratio Lower Upper
202 100
200 20.2 16.9 25.3
203 17.1 14.2 21.4



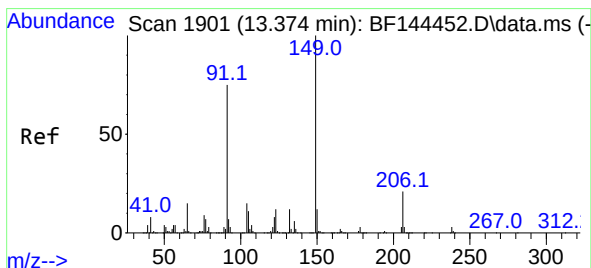
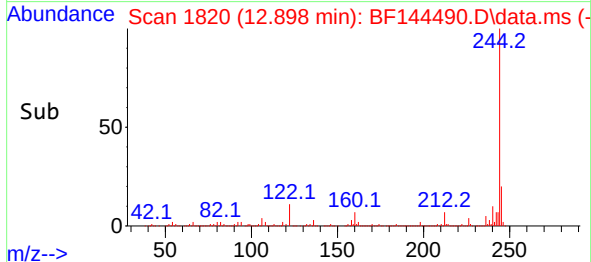
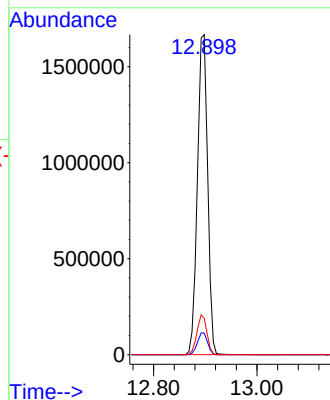


#79
Terphenyl-d14
Concen: 71.575 ng
RT: 12.898 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

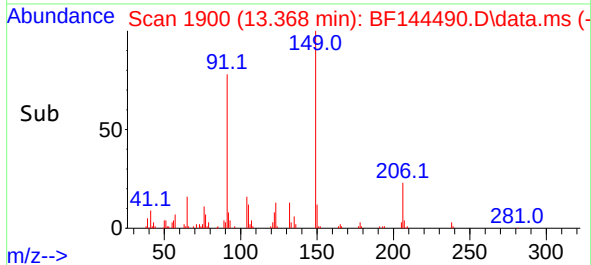
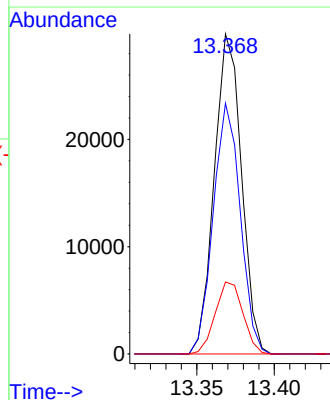
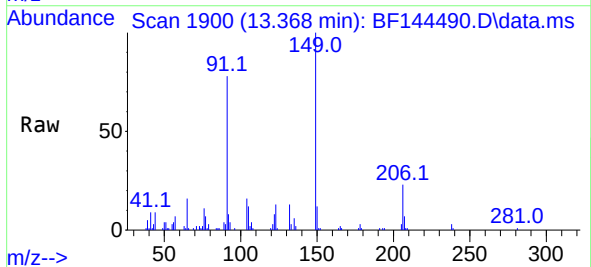


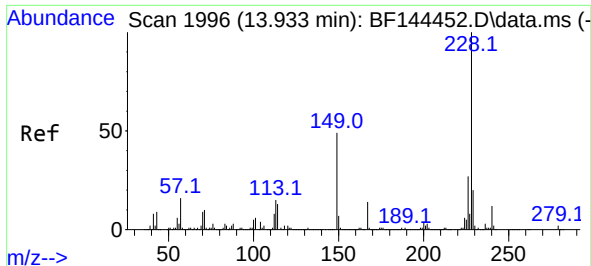
Tgt Ion:244 Resp: 2292341
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 11.4 9.9 14.9



#80
Butylbenzylphthalate
Concen: 5.472 ng
RT: 13.368 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

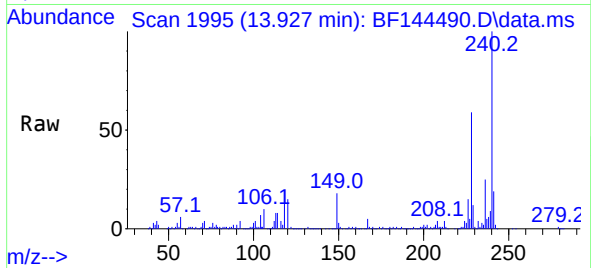
Tgt Ion:149 Resp: 36419
Ion Ratio Lower Upper
149 100
91 78.3 59.8 89.8
206 22.5 17.0 25.6



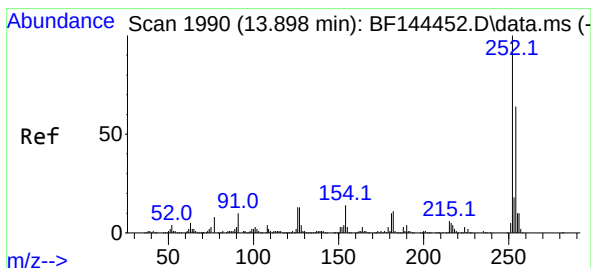
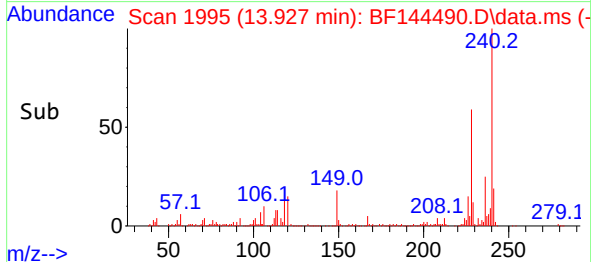
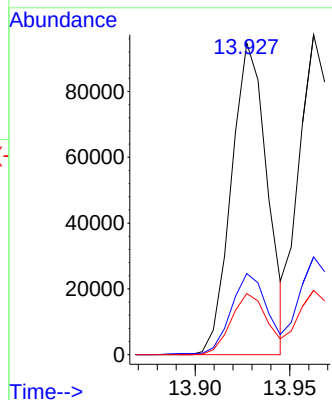


#81
Benzo(a)anthracene
Concen: 3.505 ng
RT: 13.927 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

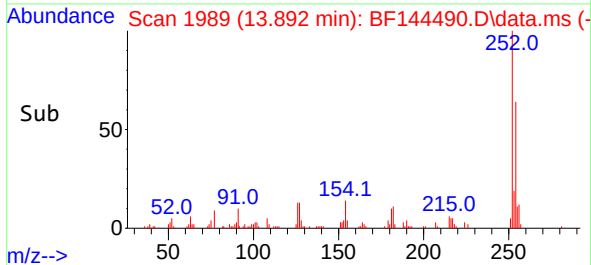
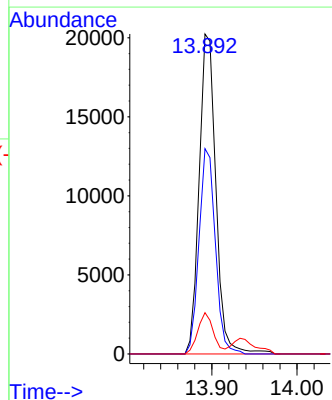
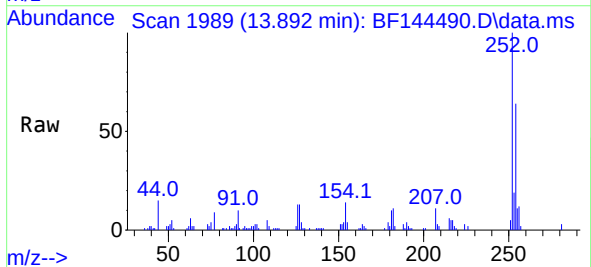


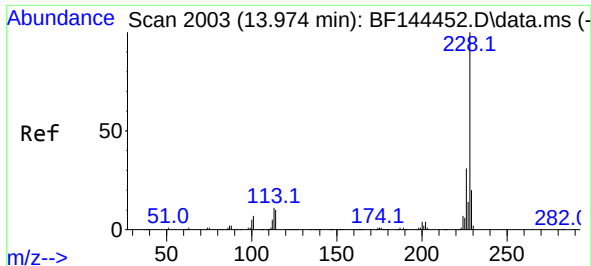
Tgt Ion:228 Resp: 124815
Ion Ratio Lower Upper
228 100
226 26.0 21.9 32.9
229 19.6 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 2.740 ng
RT: 13.892 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:252 Resp: 27645
Ion Ratio Lower Upper
252 100
254 64.2 51.1 76.7
126 12.9 10.4 15.6

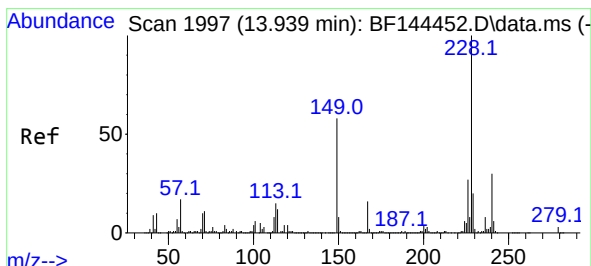
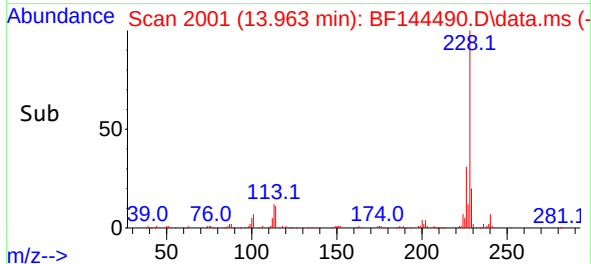
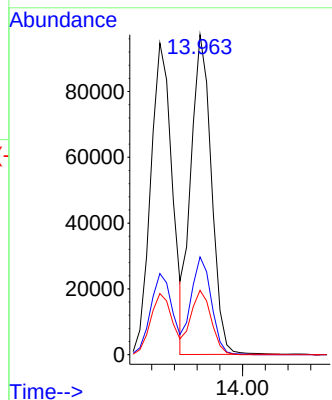
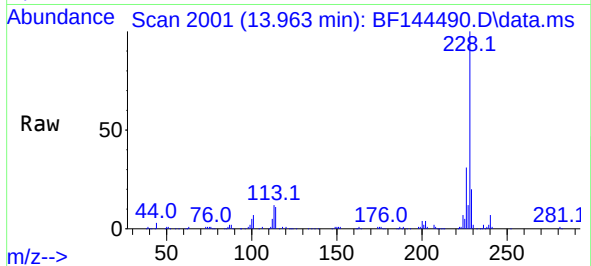




#83
Chrysene
Concen: 3.728 ng
RT: 13.963 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

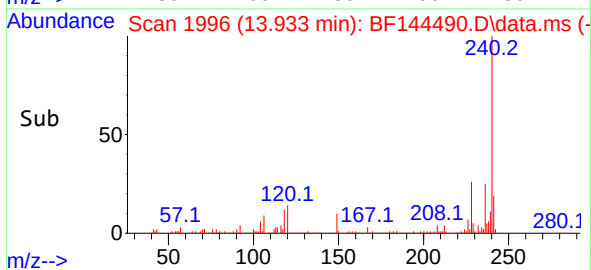
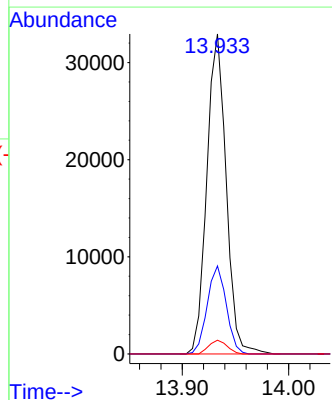
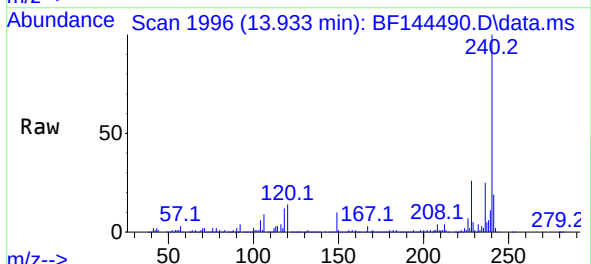
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

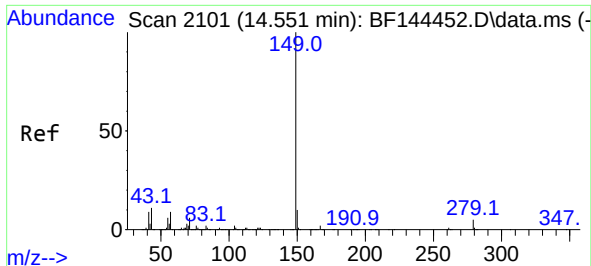
Tgt Ion:228 Resp: 121482
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.1 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.097 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:149 Resp: 41607
Ion Ratio Lower Upper
149 100
167 27.5 22.6 34.0
279 4.3 3.7 5.5

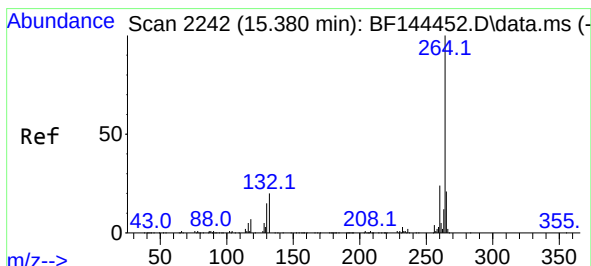
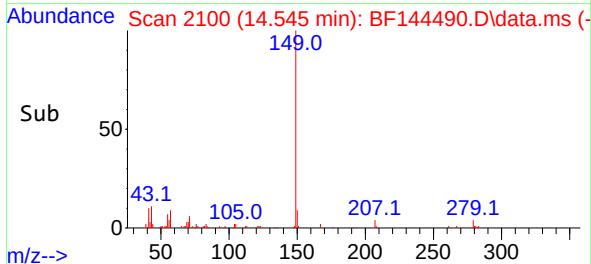
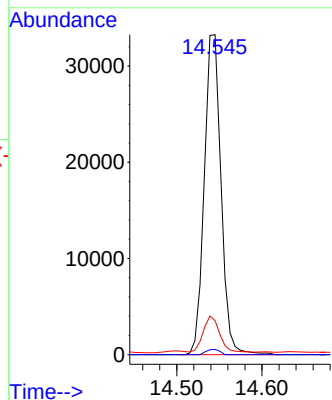
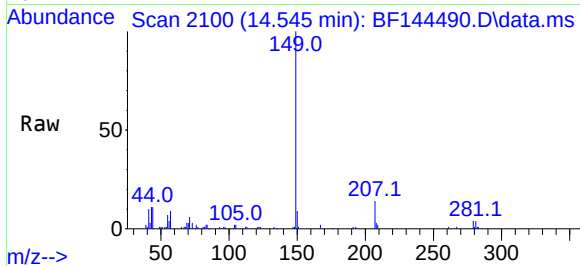




#85
Di-n-octyl phthalate
Concen: 7.935 ng
RT: 14.545 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

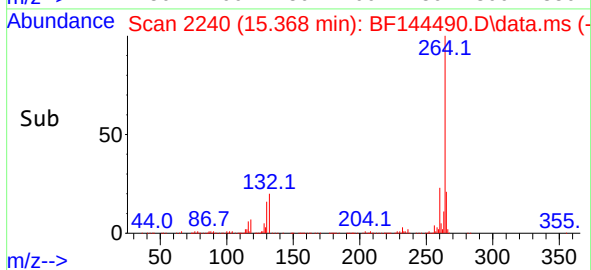
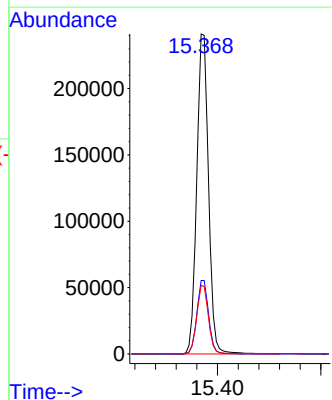
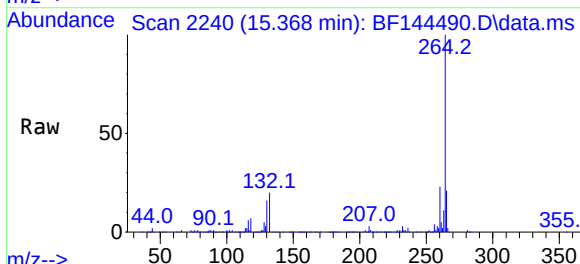
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

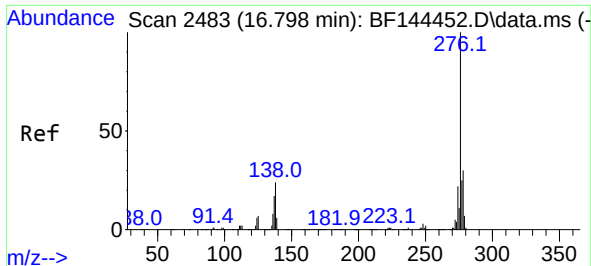
Tgt Ion:	149	Resp:	45535
Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.3	1.9
43	11.1	9.2	13.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.368 min Scan# 2240
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:	264	Resp:	380788
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.4	17.1	25.7

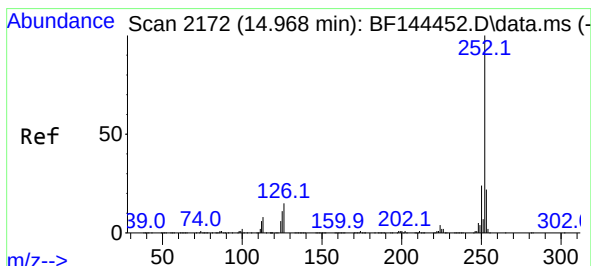
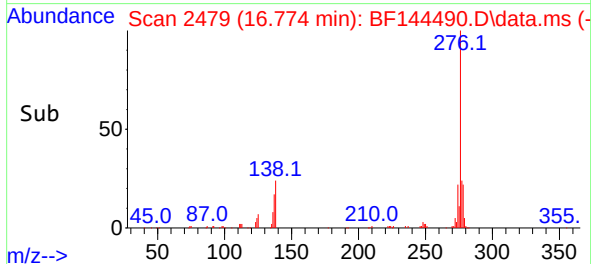
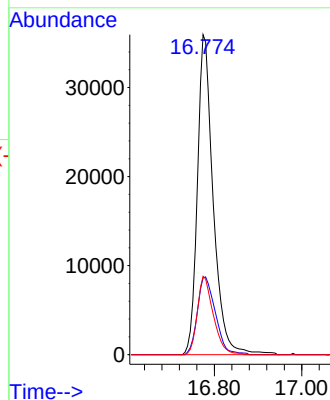
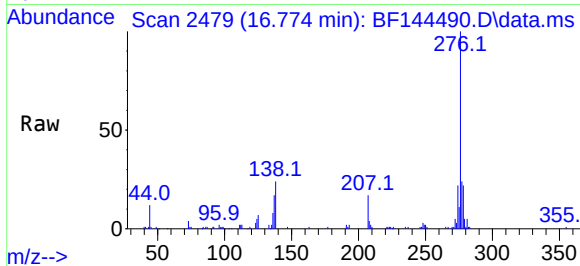




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.313 ng
 RT: 16.774 min Scan# 2483
 Delta R.T. -0.024 min
 Lab File: BF144490.D
 Acq: 16 Dec 2025 12:46

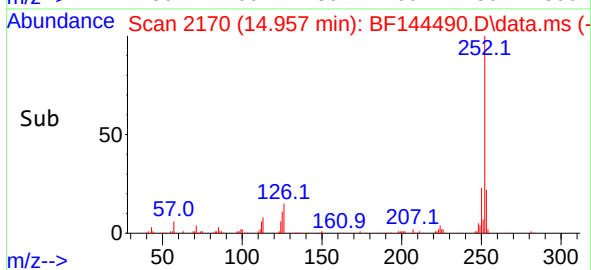
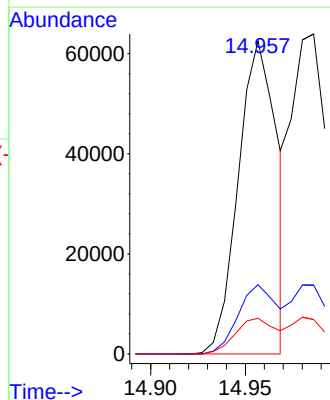
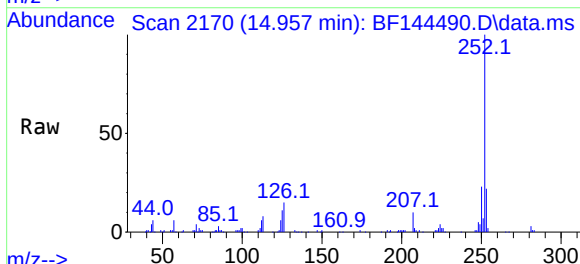
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

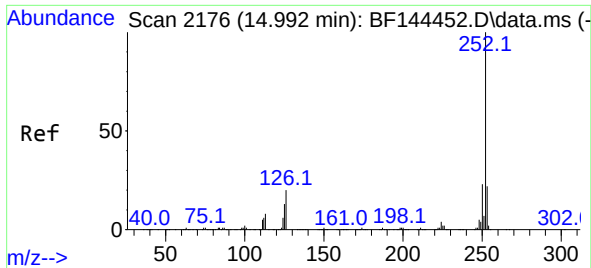
Tgt Ion:276	Resp:	90538
Ion Ratio	Lower	Upper
276	100	
138	27.7	21.9 32.9
277	24.6	20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 3.541 ng
 RT: 14.957 min Scan# 2170
 Delta R.T. -0.012 min
 Lab File: BF144490.D
 Acq: 16 Dec 2025 12:46

Tgt Ion:252	Resp:	88524
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.7 26.5
125	11.4	9.0 13.4

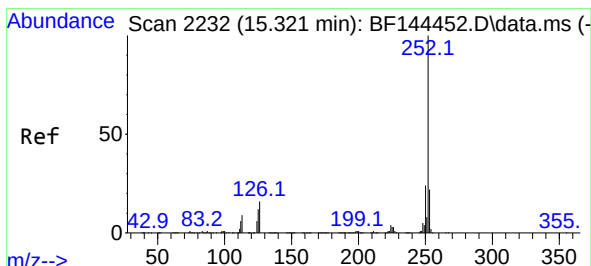
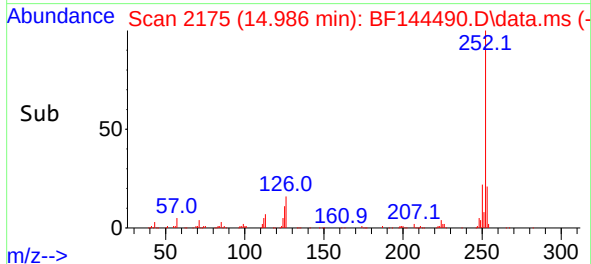
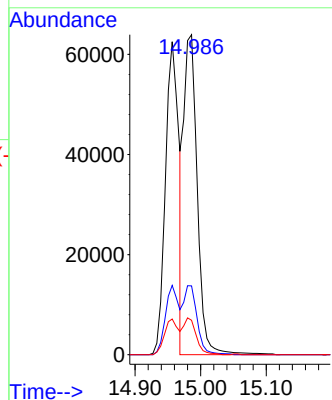
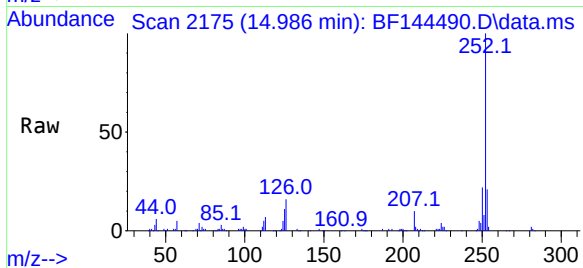




#89
Benzo(k)fluoranthene
Concen: 3.903 ng
RT: 14.986 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

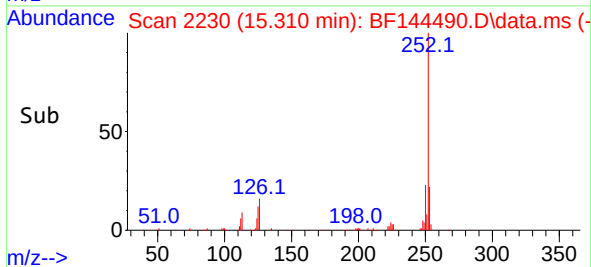
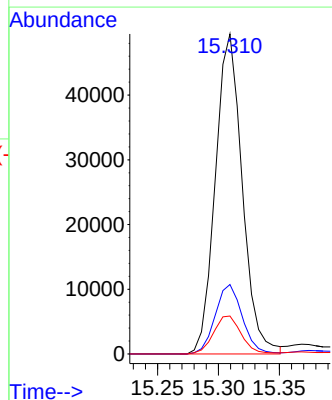
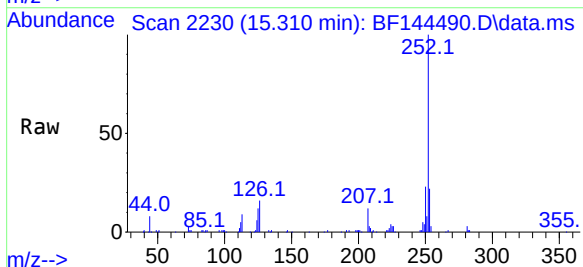
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

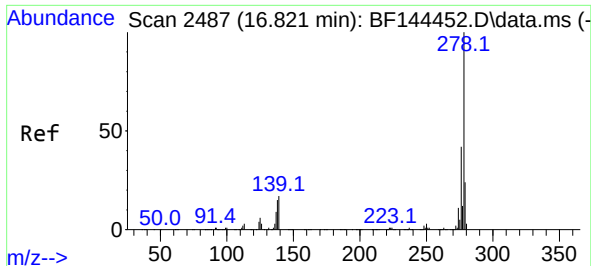
Tgt Ion:252 Resp: 92252
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 10.8 9.7 14.5



#90
Benzo(a)pyrene
Concen: 3.481 ng
RT: 15.310 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:252 Resp: 76059
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 11.9 9.9 14.9

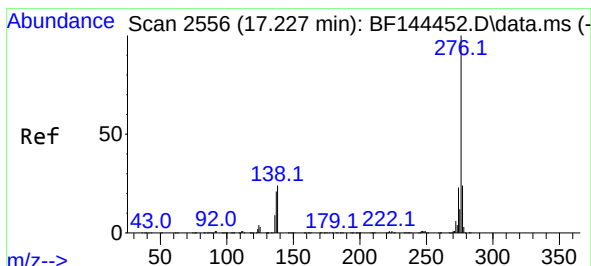
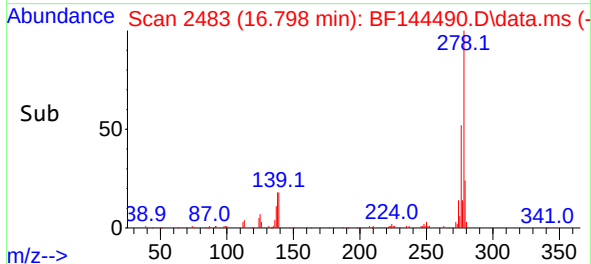
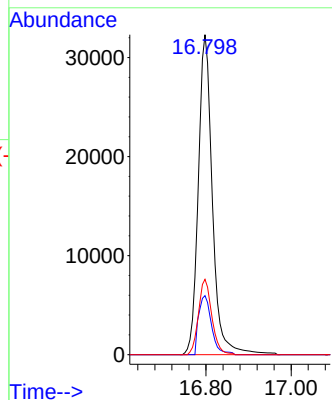
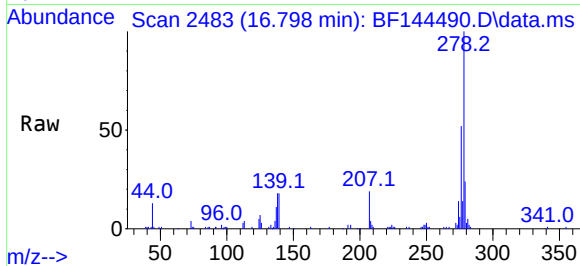




#91
Dibenzo(a,h)anthracene
Concen: 3.366 ng
RT: 16.798 min Scan# 2483
Delta R.T. -0.024 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:278 Resp: 74302
Ion Ratio Lower Upper
278 100
139 18.4 13.6 20.4
279 23.6 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 3.323 ng
RT: 17.198 min Scan# 2551
Delta R.T. -0.030 min
Lab File: BF144490.D
Acq: 16 Dec 2025 12:46

Tgt Ion:276 Resp: 74570
Ion Ratio Lower Upper
276 100
277 23.8 18.8 28.2
138 24.7 19.4 29.2

