

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144489.D
 Acq On : 16 Dec 2025 12:17
 Operator : RC/JU
 Sample : Q3530-03
 Misc : MDL-SOIL-8ng
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 16 12:43:01 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	210532	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	751186	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	396781	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	656454	20.000	ng	0.00
76) Chrysene-d12	13.939	240	450953	20.000	ng	0.00
86) Perylene-d12	15.368	264	352408	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1780654	127.529	ng	0.00
7) Phenol-d6	6.416	99	1968053	113.002	ng	0.00
23) Nitrobenzene-d5	7.351	82	1192041	99.303	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	496761	138.478	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2138057	82.664	ng	0.00
79) Terphenyl-d14	12.892	244	2272146	79.548	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	60981	9.083	ng	96
3) Pyridine	3.263	79	128629	6.967	ng	97
4) n-Nitrosodimethylamine	3.151	42	58407	7.280	ng	98
6) Aniline	6.457	93	175959	7.243	ng	99
8) 2-Chlorophenol	6.575	128	120641	8.059	ng	90
9) Benzaldehyde	6.340	77	85692	6.285	ng	98
10) Phenol	6.428	94	154651	7.524	ng	# 75
11) bis(2-Chloroethyl)ether	6.528	93	109813	7.309	ng	99
12) 1,3-Dichlorobenzene	6.734	146	140827	8.707	ng	99
13) 1,4-Dichlorobenzene	6.810	146	138191	8.516	ng	99
14) 1,2-Dichlorobenzene	6.963	146	128229	8.320	ng	99
15) Benzyl Alcohol	6.928	79	90318	7.036	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	166556	6.569	ng	99
17) 2-Methylphenol	7.034	107	89367	7.082	ng	98
18) Hexachloroethane	7.304	117	45562	8.080	ng	98
19) n-Nitroso-di-n-propyla...	7.198	70	76983	6.998	ng	99
20) 3+4-Methylphenols	7.186	107	117258	7.563	ng	# 86
22) Acetophenone	7.198	105	156267	8.387	ng	95
24) Nitrobenzene	7.369	77	117031	8.987	ng	99
25) Isophorone	7.610	82	202997	7.493	ng	98
26) 2-Nitrophenol	7.686	139	42221	11.073	ng	99
27) 2,4-Dimethylphenol	7.722	122	79146	6.123	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	128231	7.682	ng	99
29) 2,4-Dichlorophenol	7.922	162	87576	8.154	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	100939	8.665	ng	98
31) Naphthalene	8.092	128	336002	8.311	ng	98
32) Benzoic acid	7.769	122	32046	10.216	ng	98
33) 4-Chloroaniline	8.139	127	128047	7.880	ng	98
34) Hexachlorobutadiene	8.216	225	57968	8.048	ng	99
35) Caprolactam	8.469	113	24187	6.819	ng	99
36) 4-Chloro-3-methylphenol	8.610	107	87910	7.540	ng	97
37) 2-Methylnaphthalene	8.786	142	194529	7.313	ng	100
38) 1-Methylnaphthalene	8.886	142	201969	7.798	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	97387	8.624	ng	99
41) Hexachlorocyclopentadiene	8.939	237	35477	5.308	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	59715	8.327	ng	100

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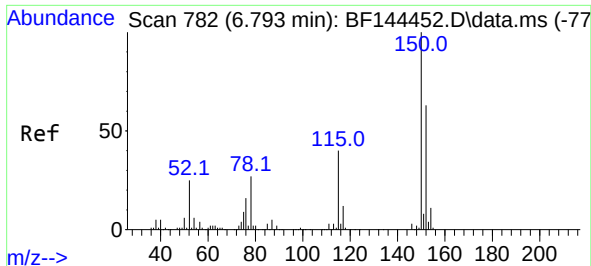
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.092	196	60079	7.982	ng	98
46) 1,1'-Biphenyl	9.251	154	268981	8.675	ng	98
47) 2-Chloronaphthalene	9.275	162	195891	8.275	ng	98
48) 2-Nitroaniline	9.363	65	47900	10.154	ng	99
49) Acenaphthylene	9.686	152	307368	8.196	ng	99
50) Dimethylphthalate	9.545	163	219374	8.185	ng	99
51) 2,6-Dinitrotoluene	9.604	165	41727	11.712	ng	99
52) Acenaphthene	9.857	154	192002	8.211	ng	99
53) 3-Nitroaniline	9.769	138	47085	10.352	ng	98
54) 2,4-Dinitrophenol	9.875	184	10610	11.917	ng	# 67
55) Dibenzofuran	10.028	168	282874	8.502	ng	97
56) 4-Nitrophenol	9.916	139	34279	7.510	ng	95
57) 2,4-Dinitrotoluene	10.004	165	50181	10.762	ng	94
58) Fluorene	10.369	166	216816	8.606	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	51469	9.009	ng	98
60) Diethylphthalate	10.245	149	201982	7.952	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	104689	8.469	ng	97
62) 4-Nitroaniline	10.375	138	44269	9.593	ng	97
63) Azobenzene	10.527	77	210180	7.829	ng	99
65) 4,6-Dinitro-2-methylph...	10.404	198	16917	11.988	ng	85
66) n-Nitrosodiphenylamine	10.480	169	184828	8.216	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	60661	7.915	ng	99
68) Hexachlorobenzene	10.916	284	69044	8.161	ng	97
69) Atrazine	11.004	200	56193	7.975	ng	99
70) Pentachlorophenol	11.104	266	34972	7.247	ng	98
71) Phenanthrene	11.333	178	319259	8.436	ng	98
72) Anthracene	11.380	178	304944	7.961	ng	99
73) Carbazole	11.533	167	277566	8.347	ng	98
74) Di-n-butylphthalate	11.874	149	281444	7.918	ng	99
75) Fluoranthene	12.516	202	303019	8.108	ng	98
77) Benzidine	12.639	184	79890	4.975	ng	97
78) Pyrene	12.745	202	317354	7.681	ng	99
80) Butylbenzylphthalate	13.368	149	76854	8.498	ng	99
81) Benzo(a)anthracene	13.927	228	240392	7.570	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	59188	6.577	ng	99
83) Chrysene	13.963	228	230049	7.915	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	94512	8.487	ng	99
85) Di-n-octyl phthalate	14.545	149	110142	10.389	ng	98
87) Indeno(1,2,3-cd)pyrene	16.780	276	205347	8.118	ng	99
88) Benzo(b)fluoranthene	14.957	252	170554	7.372	ng	100
89) Benzo(k)fluoranthene	14.986	252	185612	8.485	ng	98
90) Benzo(a)pyrene	15.310	252	156403	7.734	ng	100
91) Dibenzo(a,h)anthracene	16.798	278	167135	8.182	ng	99
92) Benzo(g,h,i)perylene	17.203	276	173029	8.330	ng	99

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

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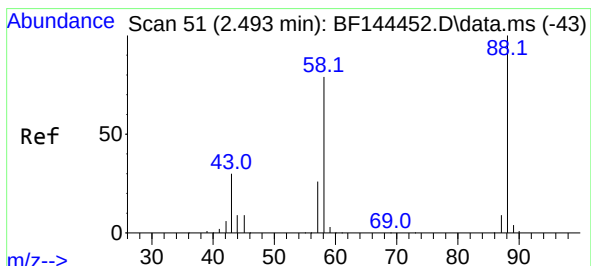
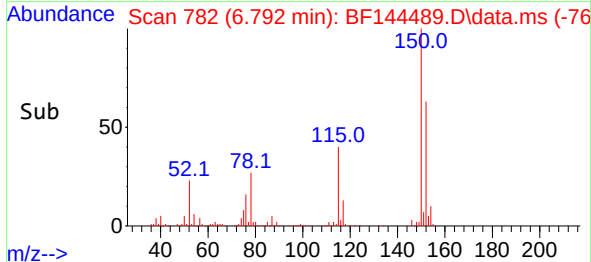
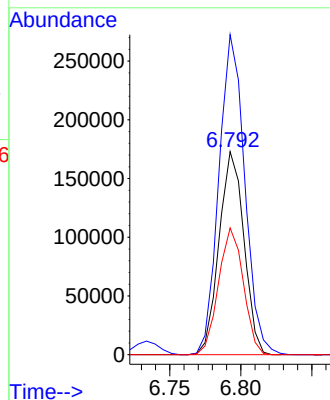
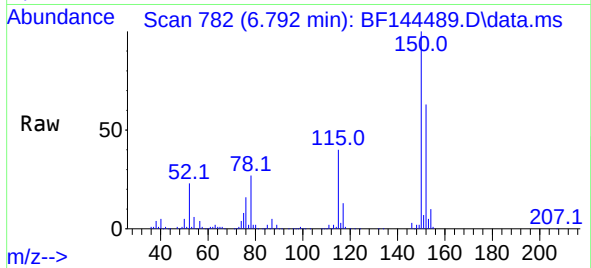




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

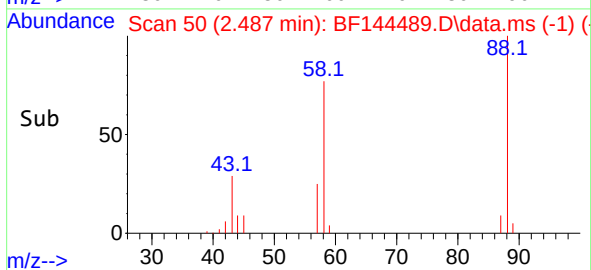
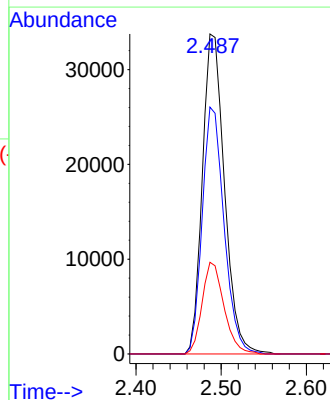
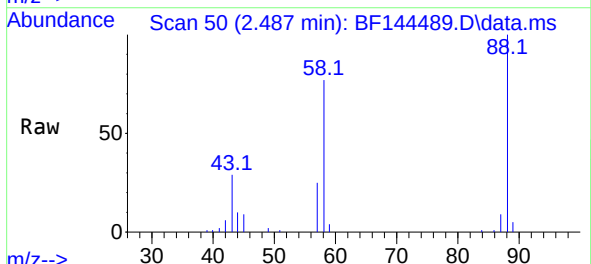
Instrument :
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 MDL-SOIL-03-QT4-2025

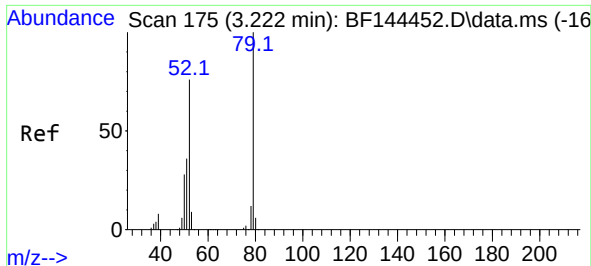
Tgt Ion:152 Resp: 210532
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.4 191.2
 115 62.4 51.4 77.0



#2
 1,4-Dioxane
 Concen: 9.083 ng
 RT: 2.487 min Scan# 50
 Delta R.T. -0.006 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

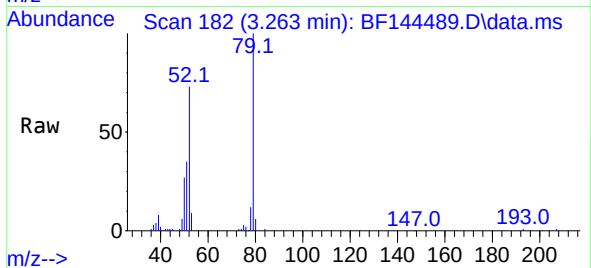
Tgt Ion: 88 Resp: 60981
 Ion Ratio Lower Upper
 88 100
 58 76.1 63.9 95.9
 43 28.4 24.2 36.4



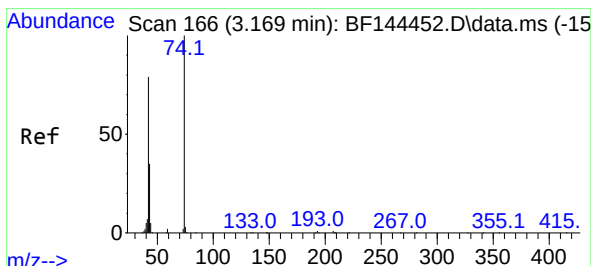
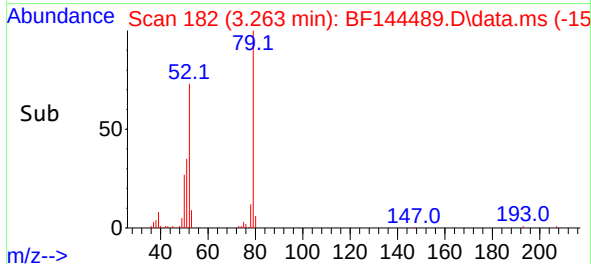
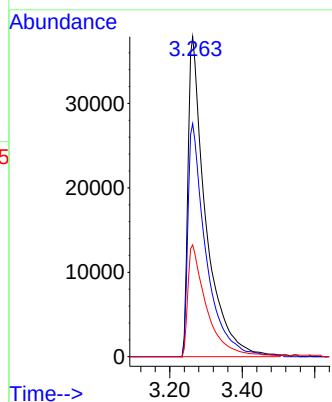


#3
Pyridine
Concen: 6.967 ng
RT: 3.263 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

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

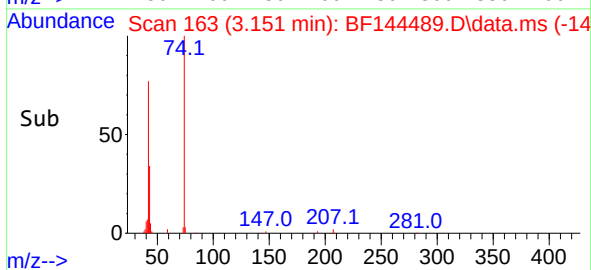
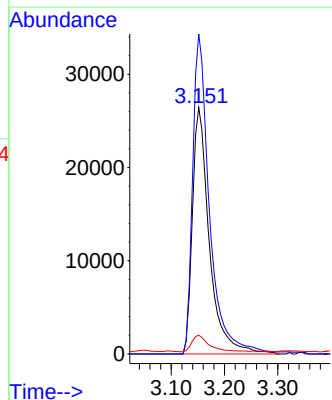
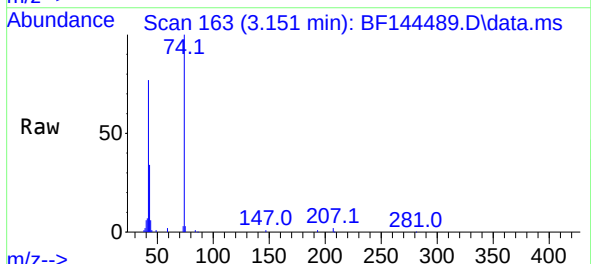


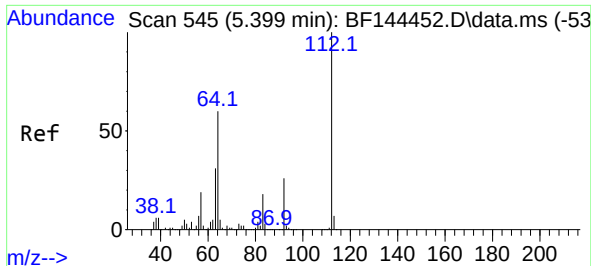
Tgt Ion: 79 Resp: 128629
Ion Ratio Lower Upper
79 100
52 72.8 60.5 90.7
51 35.0 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 7.280 ng
RT: 3.151 min Scan# 163
Delta R.T. -0.018 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 42 Resp: 58407
Ion Ratio Lower Upper
42 100
74 129.9 101.8 152.8
44 7.6 5.7 8.5

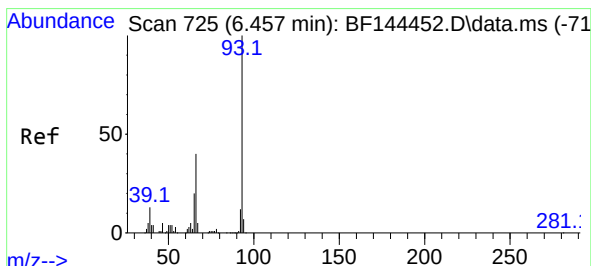
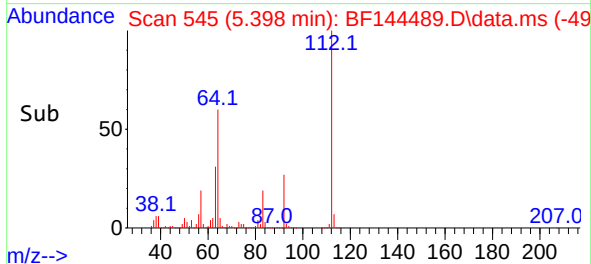
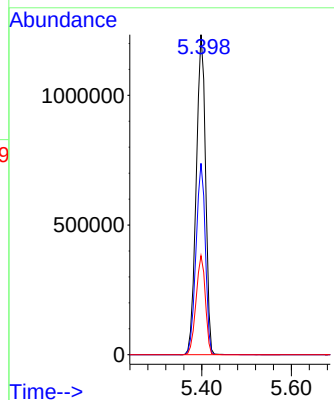
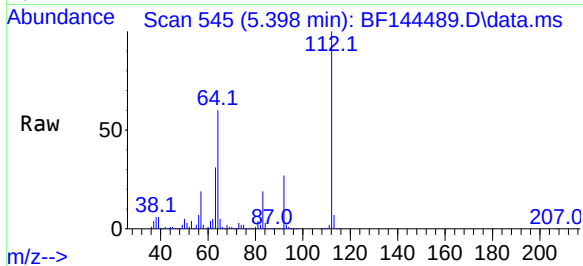




#5
2-Fluorophenol
Concen: 127.529 ng
RT: 5.398 min Scan# 54
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

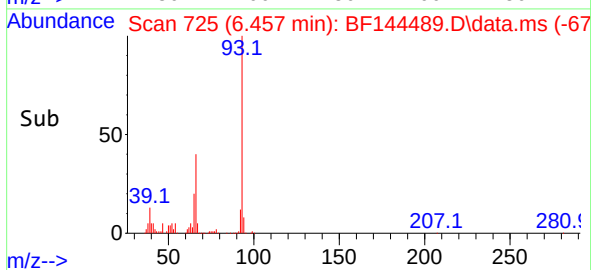
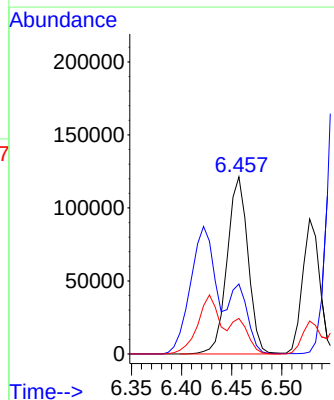
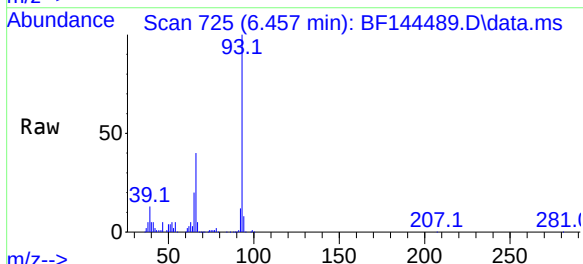
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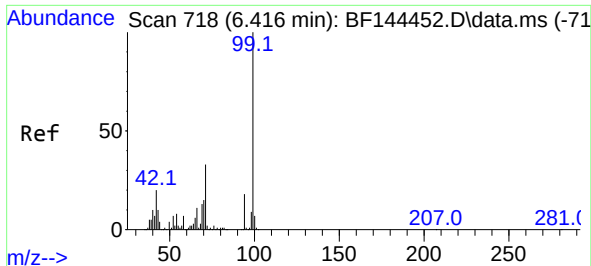
Tgt Ion:112 Resp: 1780654
Ion Ratio Lower Upper
112 100
64 59.8 47.8 71.6
63 31.0 24.6 37.0



#6
Aniline
Concen: 7.243 ng
RT: 6.457 min Scan# 725
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 93 Resp: 175959
Ion Ratio Lower Upper
93 100
66 39.5 32.4 48.6
65 20.0 16.1 24.1

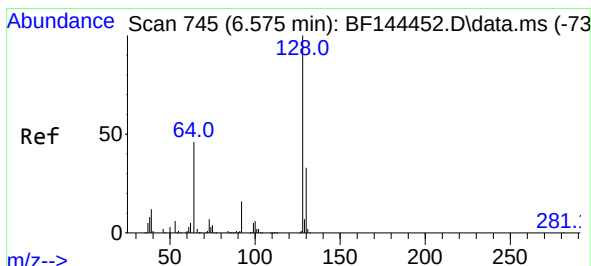
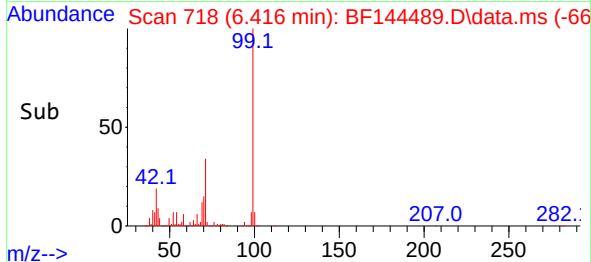
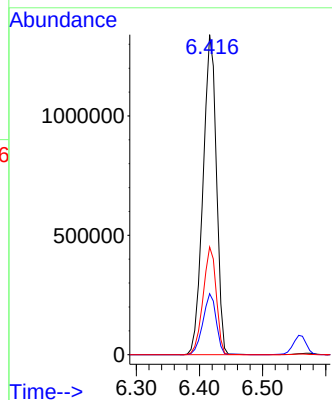
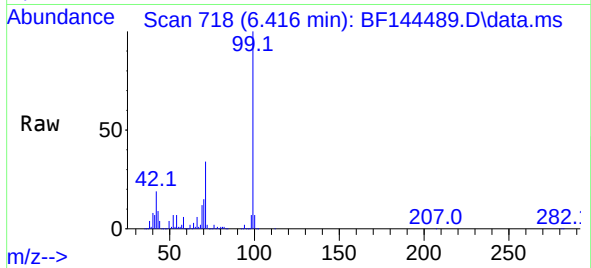




#7
Phenol-d6
Concen: 113.002 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

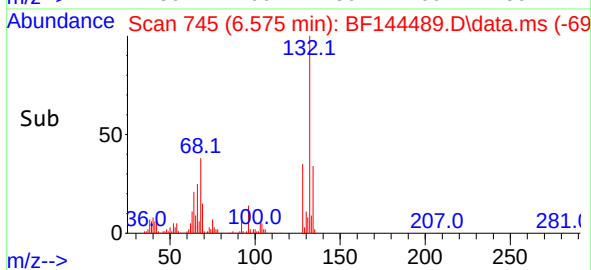
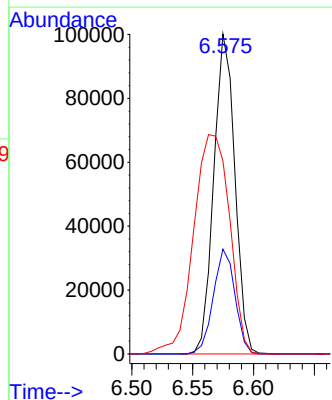
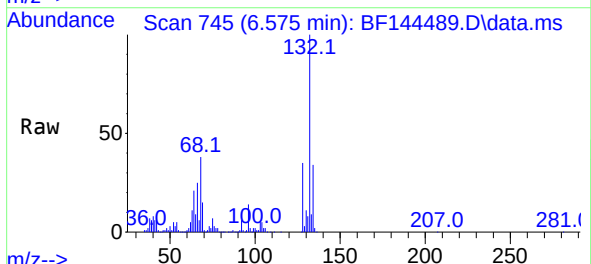
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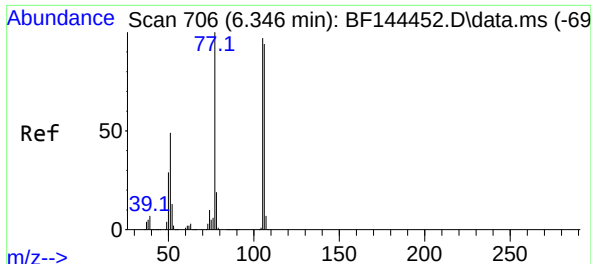
Tgt Ion: 99 Resp: 1968053
Ion Ratio Lower Upper
99 100
42 19.1 15.7 23.5
71 33.7 26.4 39.6



#8
2-Chlorophenol
Concen: 8.059 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 128 Resp: 120641
Ion Ratio Lower Upper
128 100
130 32.8 13.0 53.0
64 60.4 28.9 68.9

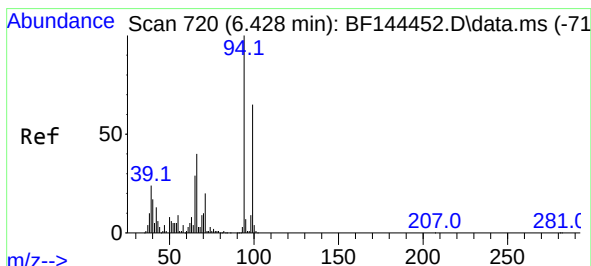
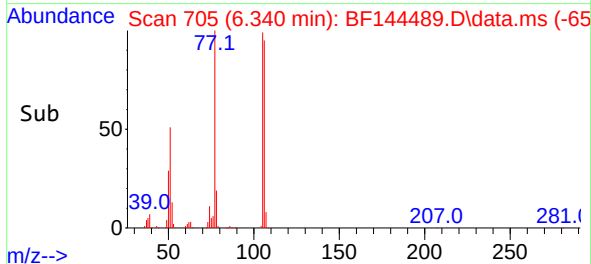
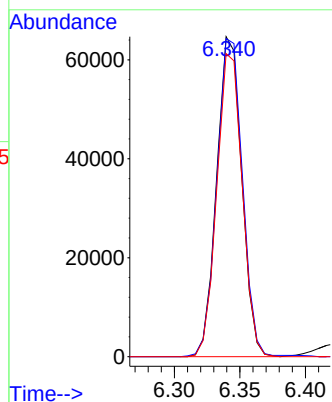
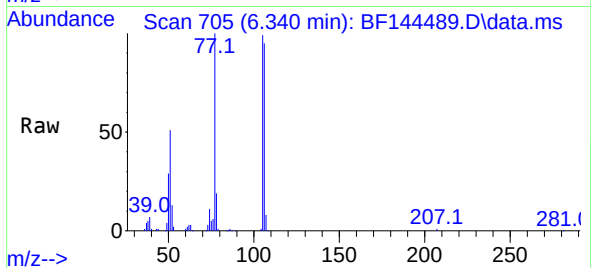




#9
Benzaldehyde
Concen: 6.285 ng
RT: 6.340 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

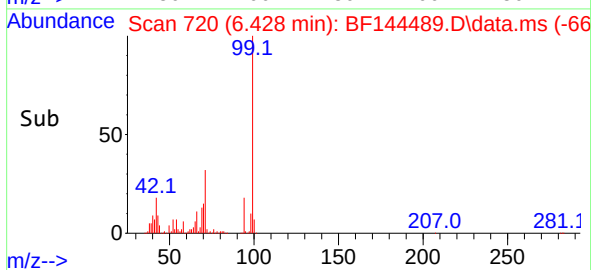
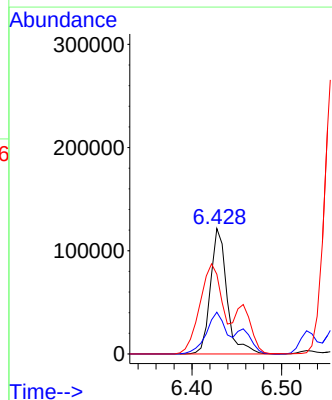
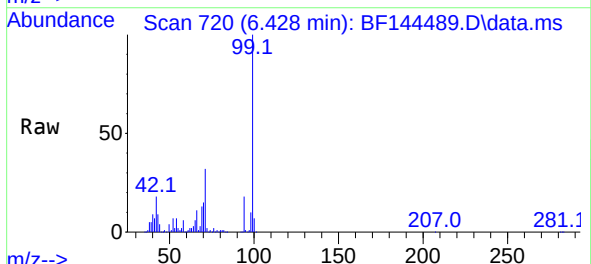
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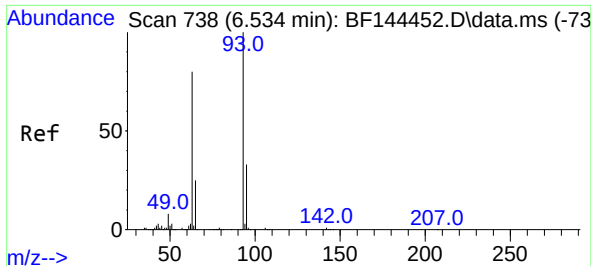
Tgt Ion: 77 Resp: 85692
Ion Ratio Lower Upper
77 100
105 99.4 77.0 117.0
106 94.7 74.1 114.1



#10
Phenol
Concen: 7.524 ng
RT: 6.428 min Scan# 720
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 94 Resp: 154651
Ion Ratio Lower Upper
94 100
65 33.2 9.1 49.1
66 63.5 20.3 60.3#

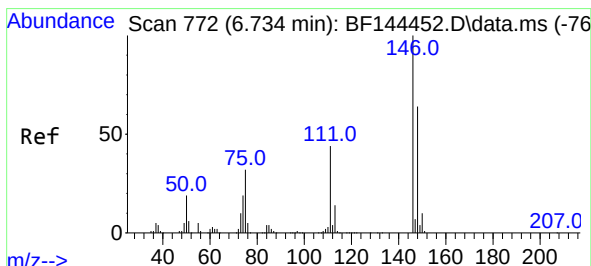
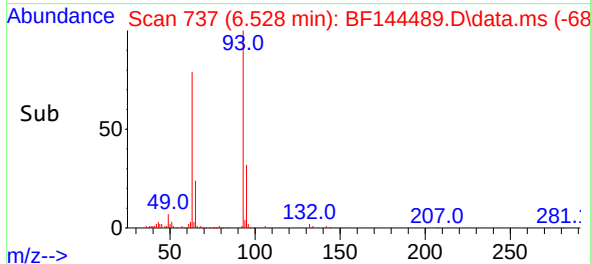
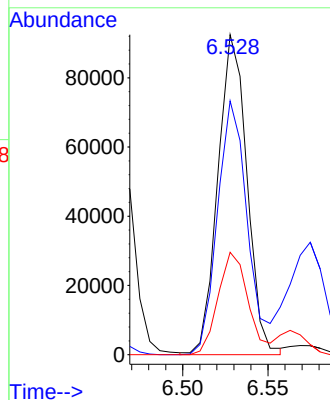
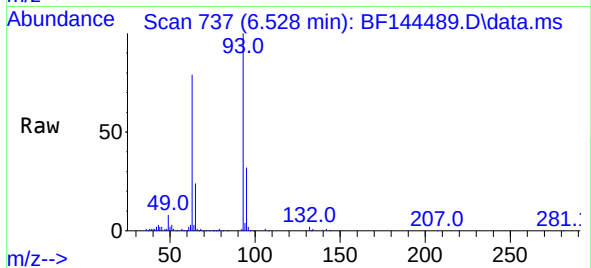




#11
bis(2-Chloroethyl)ether
Concen: 7.309 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

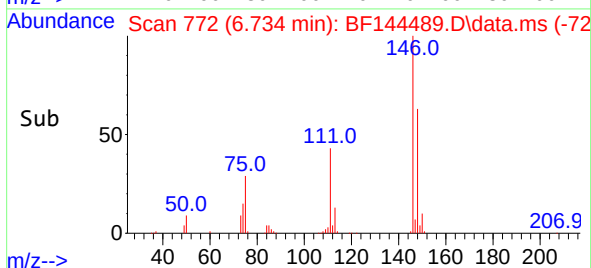
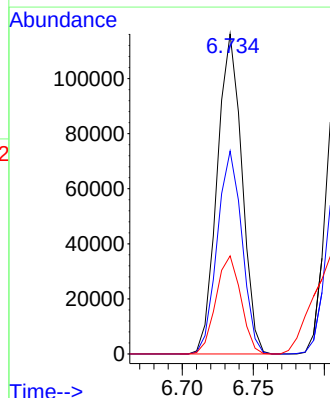
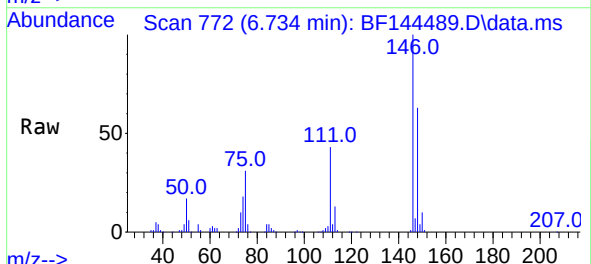
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

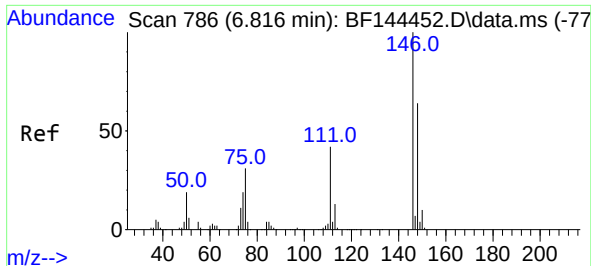
Tgt Ion: 93 Resp: 109813
Ion Ratio Lower Upper
93 100
63 79.3 59.8 99.8
95 32.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 8.707 ng
RT: 6.734 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:146 Resp: 140827
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.6
75 30.6 25.8 38.8

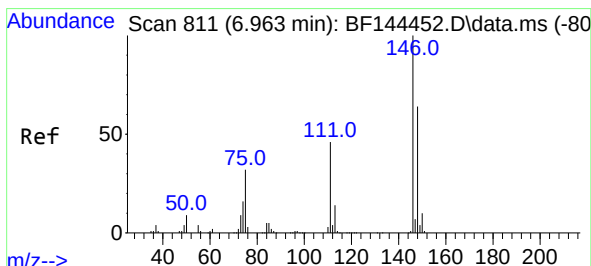
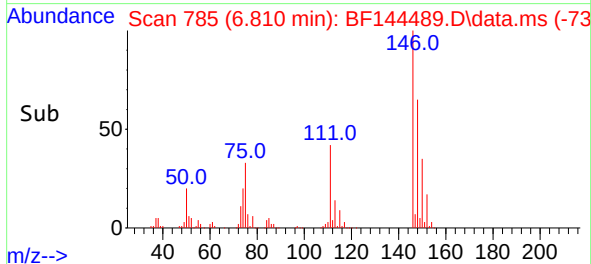
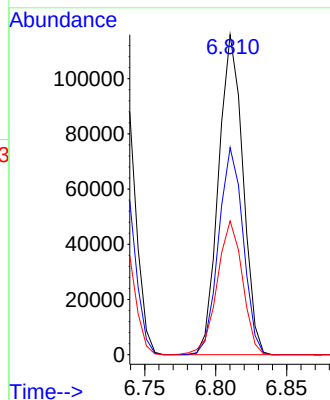
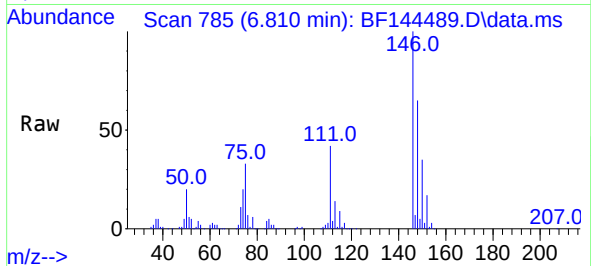




#13
1,4-Dichlorobenzene
Concen: 8.516 ng
RT: 6.810 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

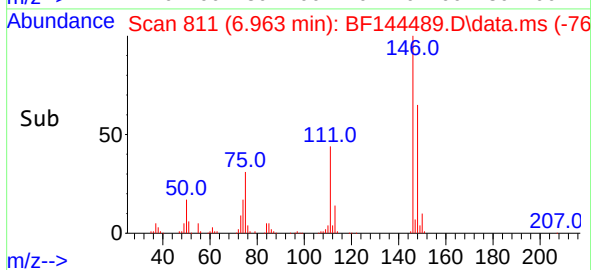
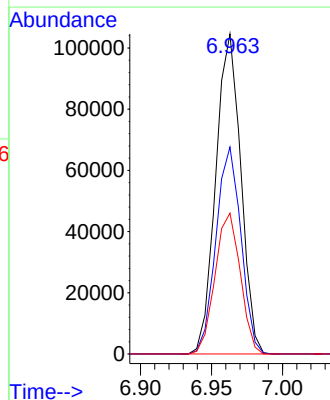
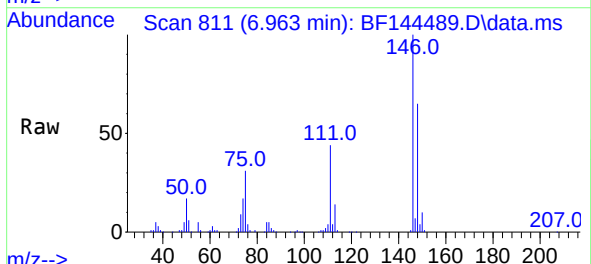
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

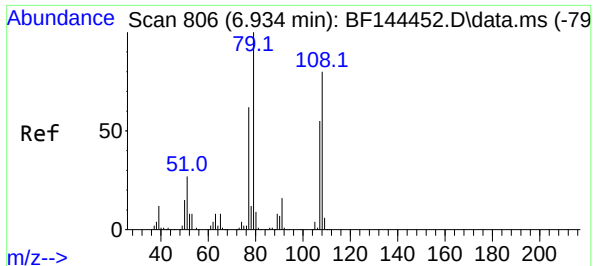
Tgt Ion:146 Resp: 138191
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.2
111 41.8 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 8.320 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:146 Resp: 128229
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.2
111 44.0 36.5 54.7



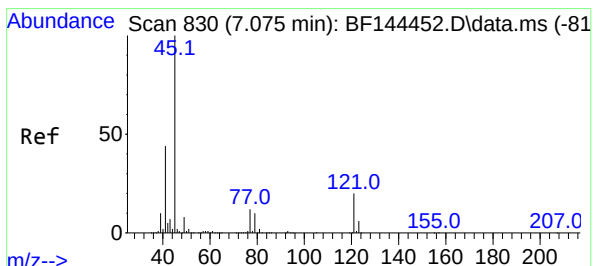
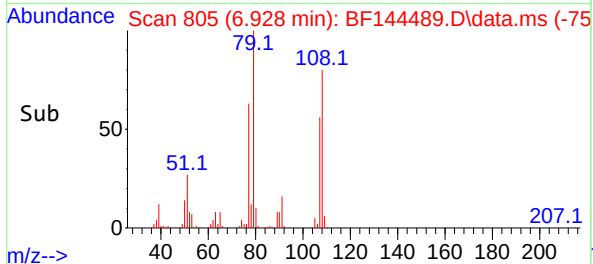
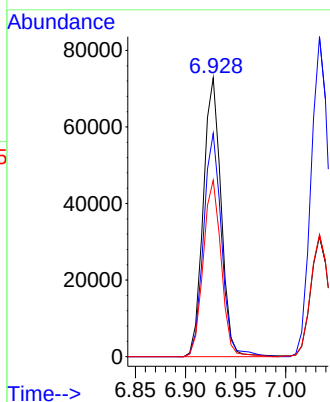
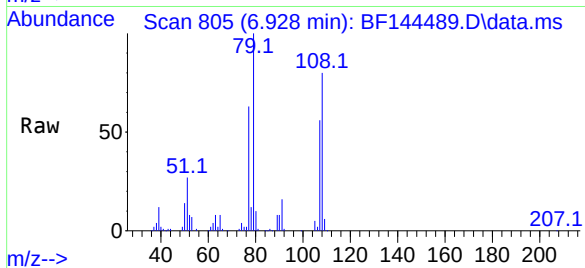


#15
Benzyl Alcohol
Concen: 7.036 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

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

Tgt Ion: 79 Resp: 90318

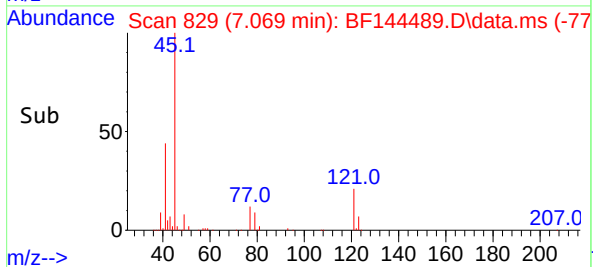
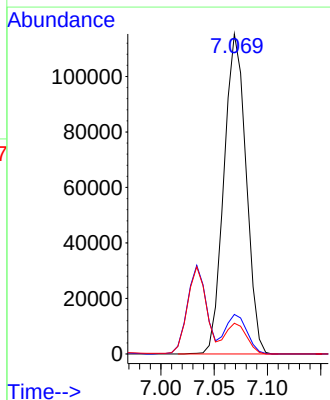
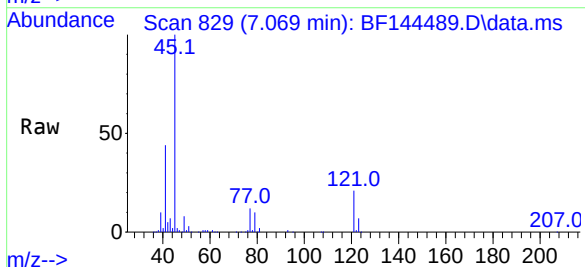
Ion	Ratio	Lower	Upper
79	100		
108	80.1	63.7	95.5
77	63.3	49.3	73.9

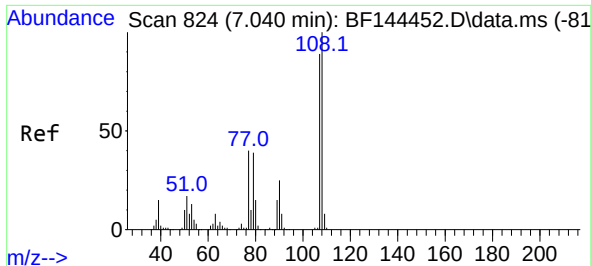


#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.569 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 45 Resp: 166556

Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	32.6
79	9.6	0.0	29.9





#17

2-Methylphenol

Concen: 7.082 ng

RT: 7.034 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:107 Resp: 89367

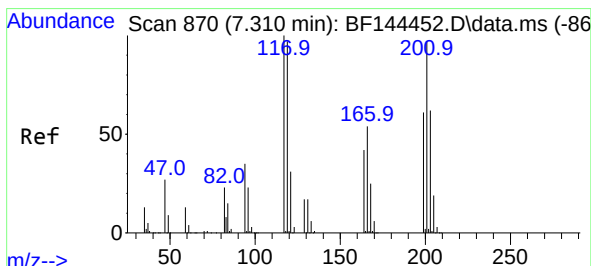
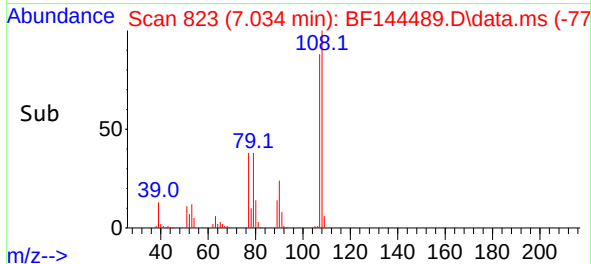
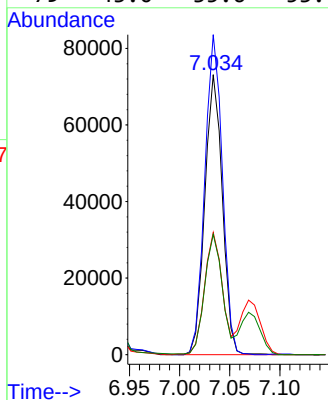
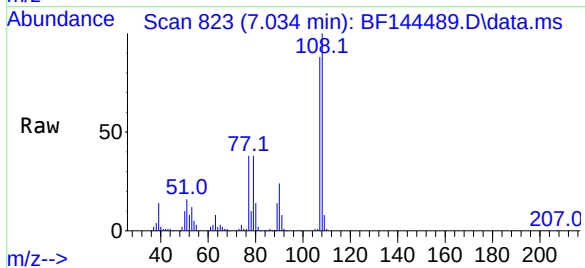
Ion Ratio Lower Upper

107 100

108 114.3 89.9 134.9

77 43.7 35.7 53.5

79 43.0 35.6 53.4



#18

Hexachloroethane

Concen: 8.080 ng

RT: 7.304 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

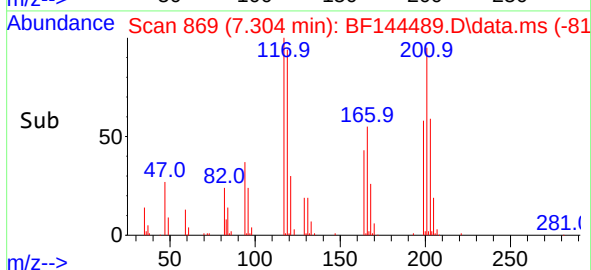
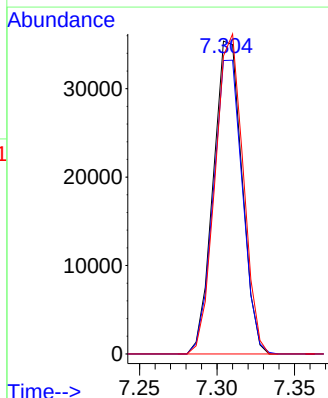
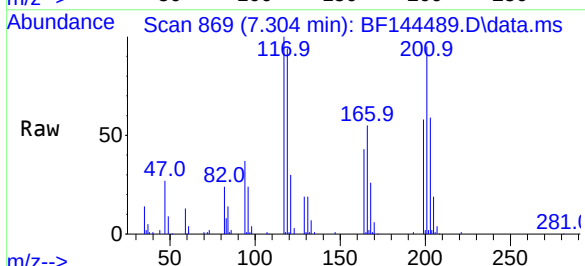
Tgt Ion:117 Resp: 45562

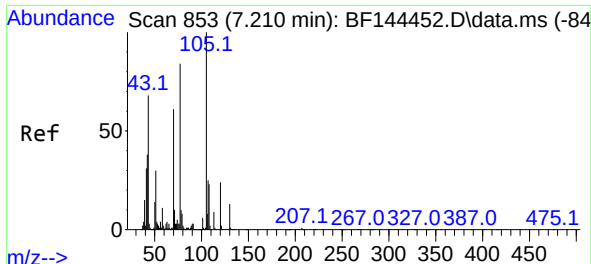
Ion Ratio Lower Upper

117 100

119 93.8 77.5 116.3

201 95.3 77.3 115.9



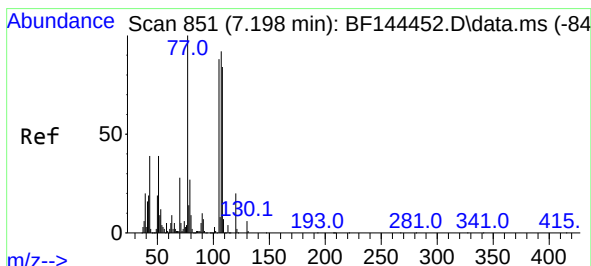
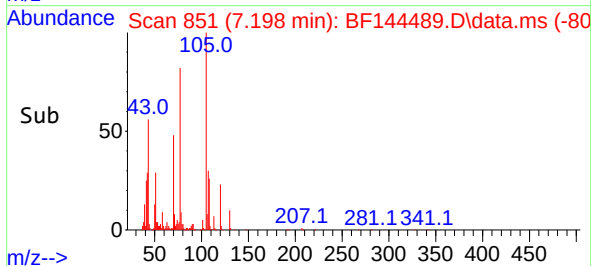
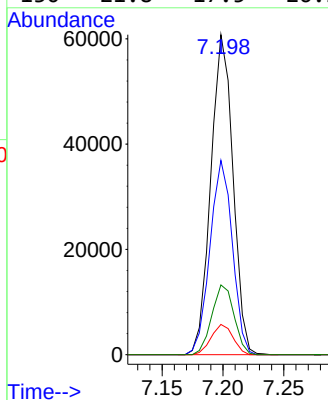
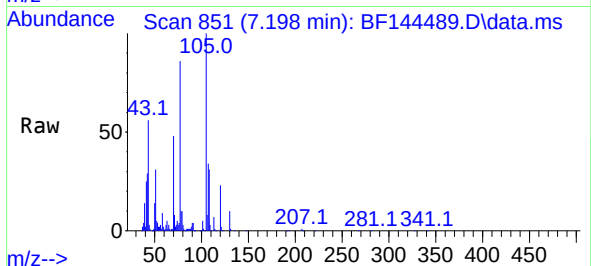


#19
n-Nitroso-di-n-propylamine
Concen: 6.998 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

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

Tgt Ion: 70 Resp: 76983

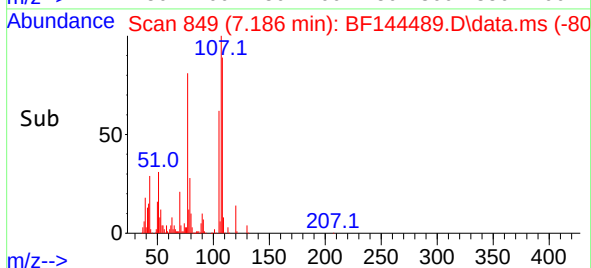
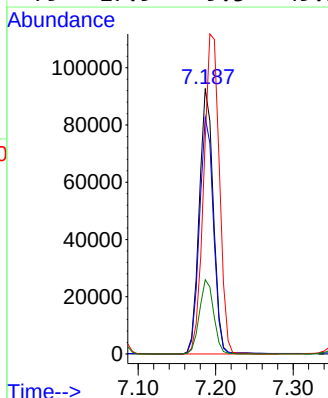
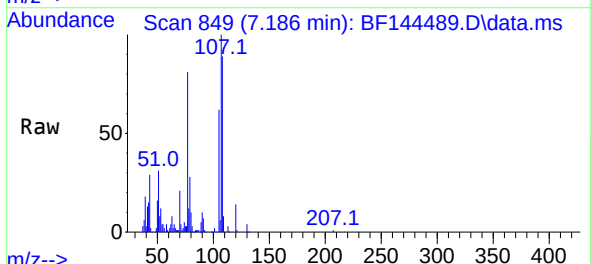
Ion	Ratio	Lower	Upper
70	100		
42	60.7	49.4	74.0
101	9.4	7.8	11.6
130	21.8	17.5	26.3

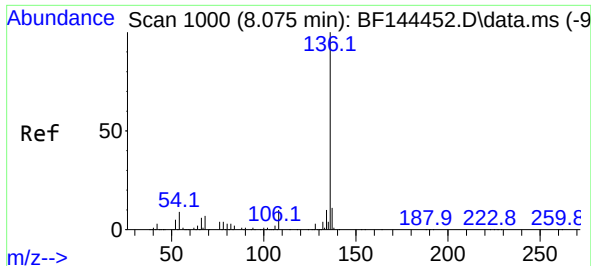


#20
3+4-Methylphenols
Concen: 7.563 ng
RT: 7.186 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 107 Resp: 117258

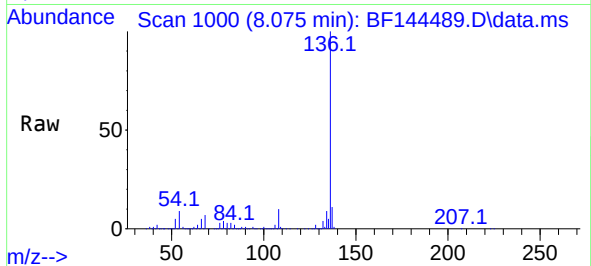
Ion	Ratio	Lower	Upper
107	100		
108	89.1	71.5	111.5
77	80.8	88.5	128.5#
79	27.9	9.3	49.3





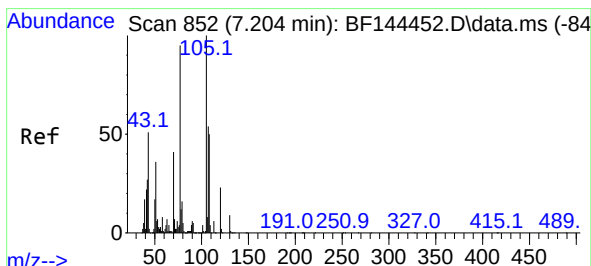
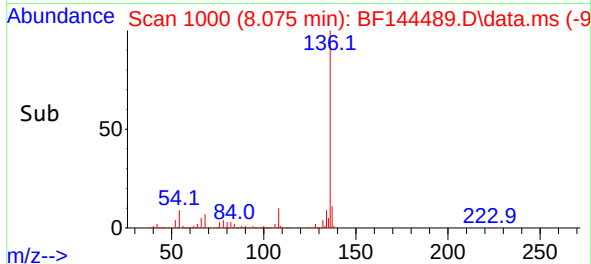
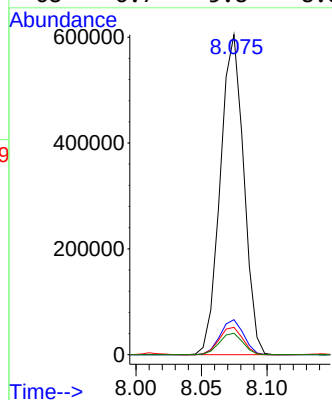
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

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



Tgt Ion:136 Resp: 751186

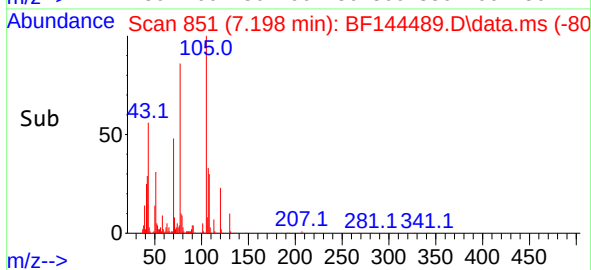
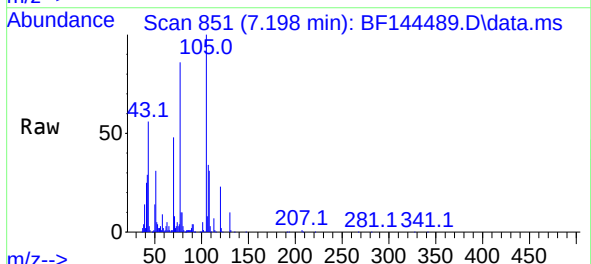
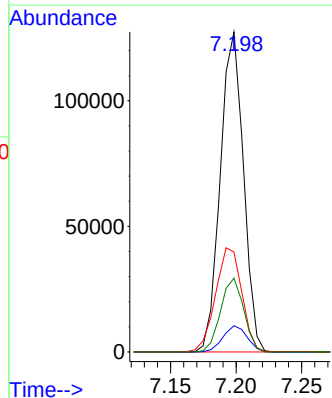
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	7.5	11.3
68	6.7	5.8	8.8

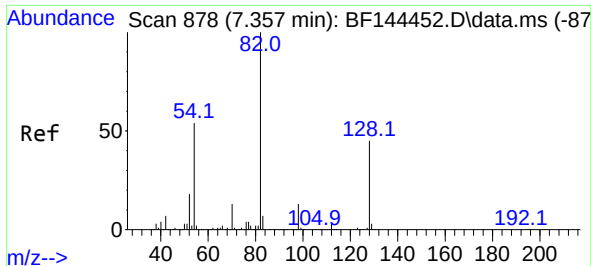


#22
Acetophenone
Concen: 8.387 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:105 Resp: 156267

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.6	8.4
51	31.3	28.6	42.8
120	23.1	18.6	27.8

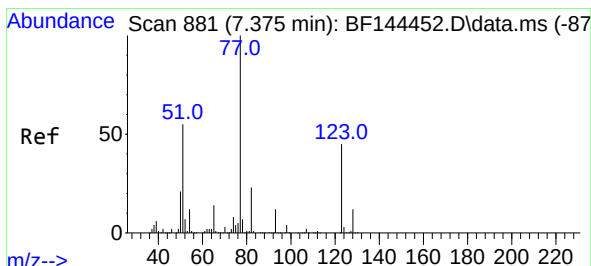
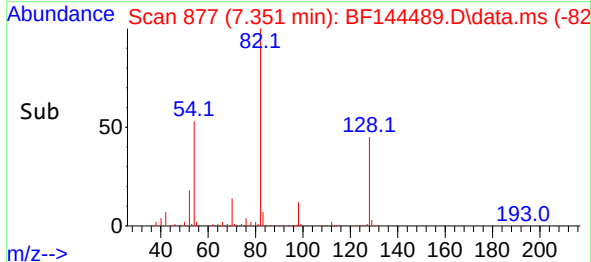
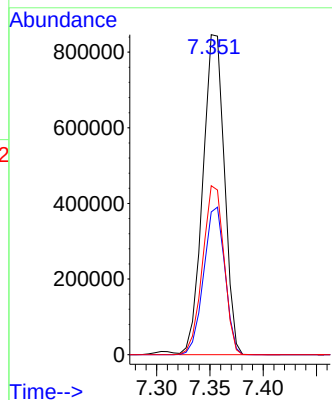
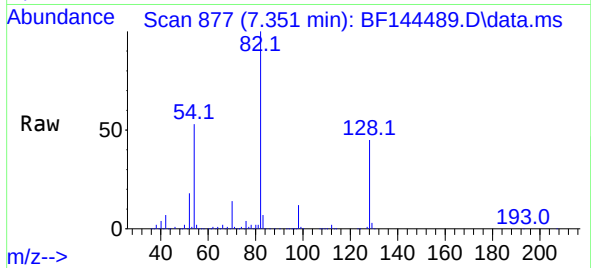




#23
Nitrobenzene-d5
Concen: 99.303 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

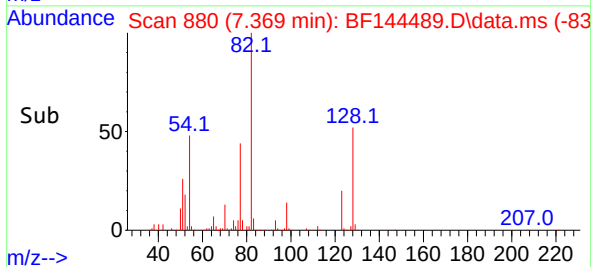
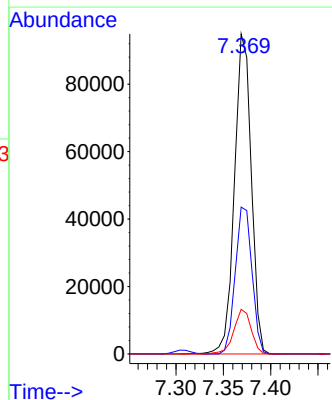
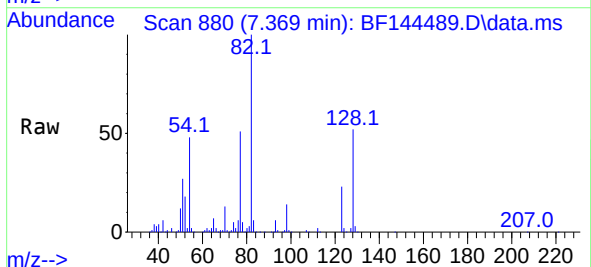
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

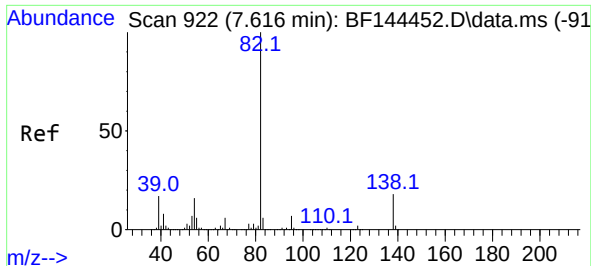
Tgt Ion: 82 Resp: 1192041
Ion Ratio Lower Upper
82 100
128 44.6 35.5 53.3
54 52.8 43.3 64.9



#24
Nitrobenzene
Concen: 8.987 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 77 Resp: 117031
Ion Ratio Lower Upper
77 100
123 45.9 36.2 54.2
65 14.0 11.0 16.6

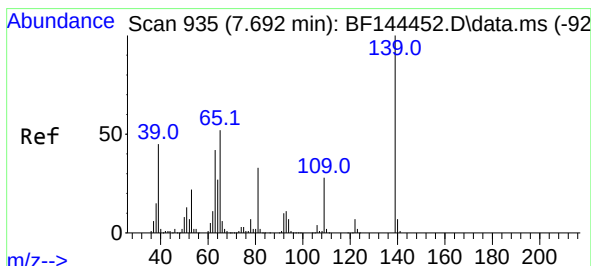
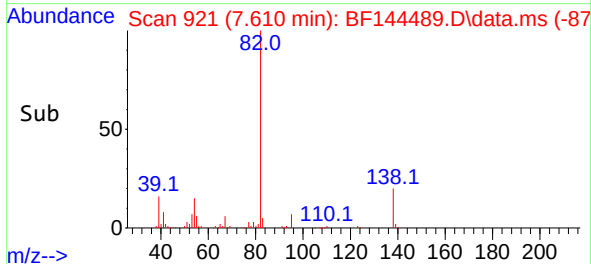
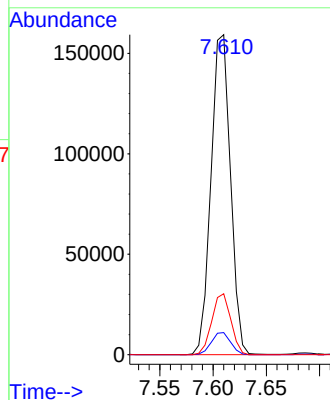
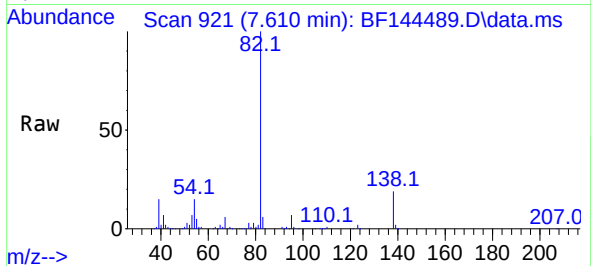




#25
Isophorone
Concen: 7.493 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

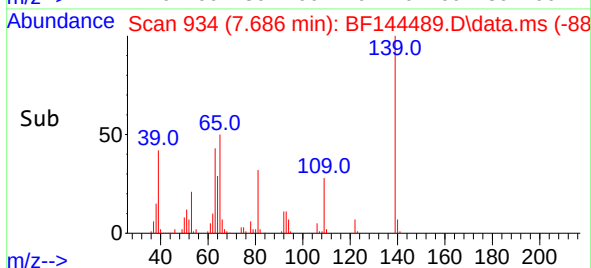
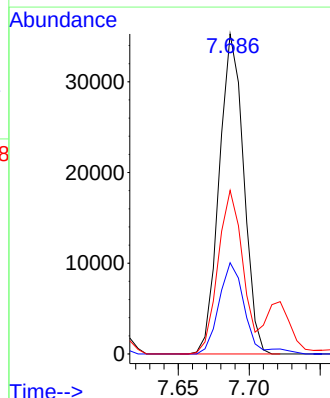
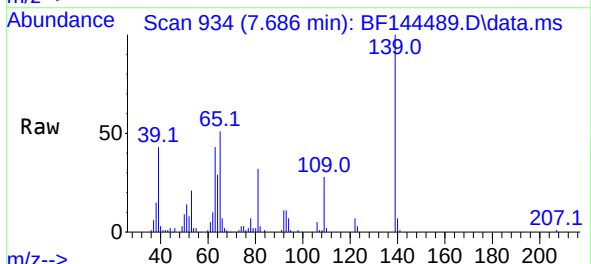
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

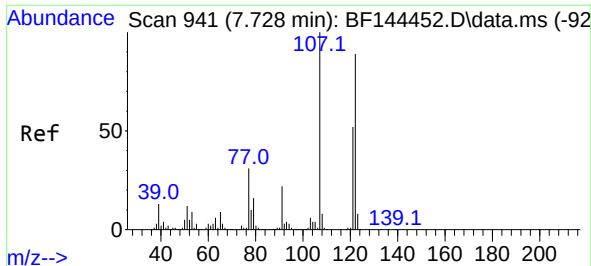
Tgt Ion: 82 Resp: 202997
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 19.1 14.4 21.6



#26
2-Nitrophenol
Concen: 11.073 ng
RT: 7.686 min Scan# 934
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:139 Resp: 42221
Ion Ratio Lower Upper
139 100
109 28.5 22.1 33.1
65 51.1 41.5 62.3

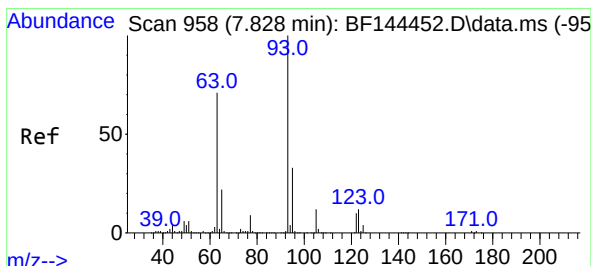
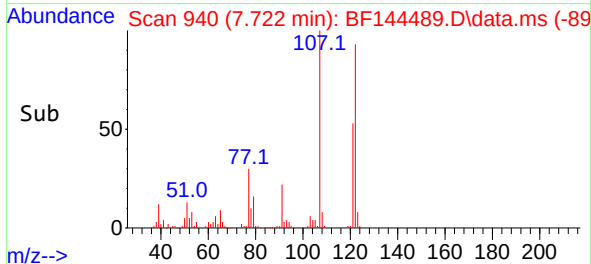
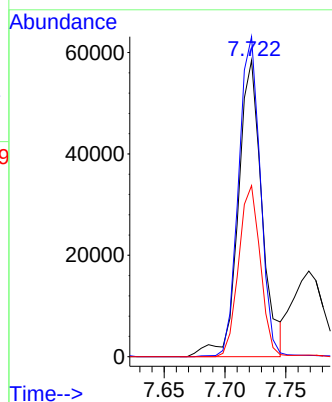
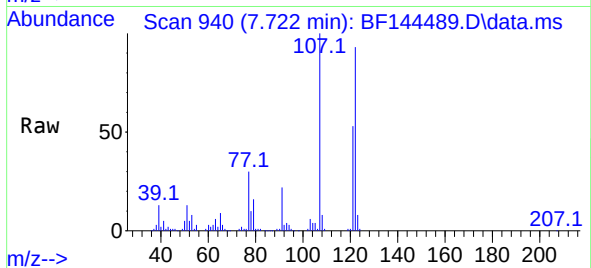




#27
2,4-Dimethylphenol
Concen: 6.123 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

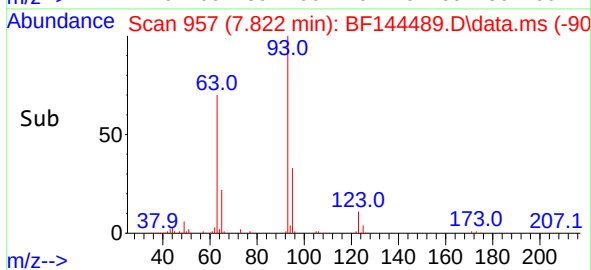
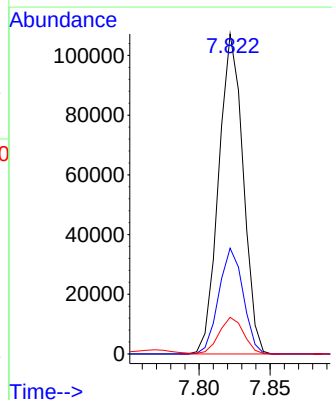
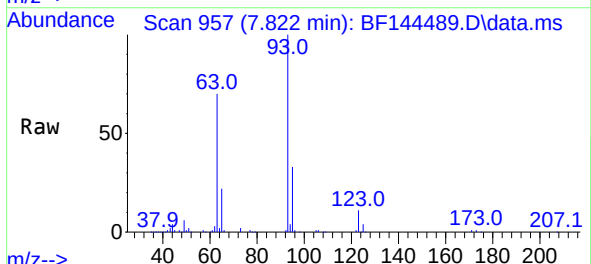
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

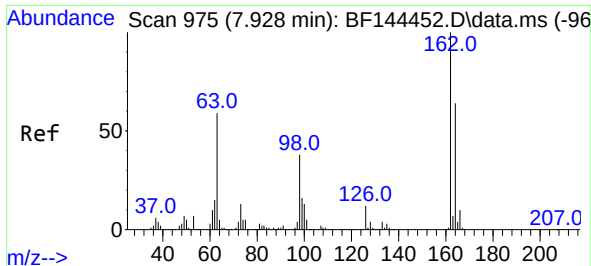
Tgt Ion:122 Resp: 79146
Ion Ratio Lower Upper
122 100
107 108.0 90.0 135.0
121 57.7 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 7.682 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion: 93 Resp: 128231
Ion Ratio Lower Upper
93 100
95 33.0 26.2 39.2
123 11.4 10.2 15.4

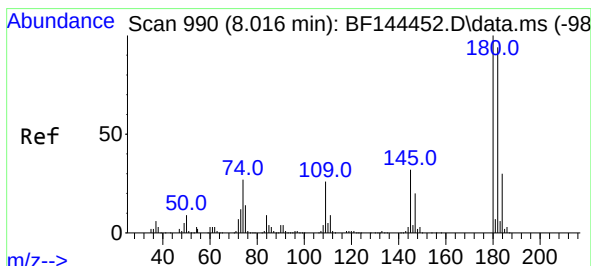
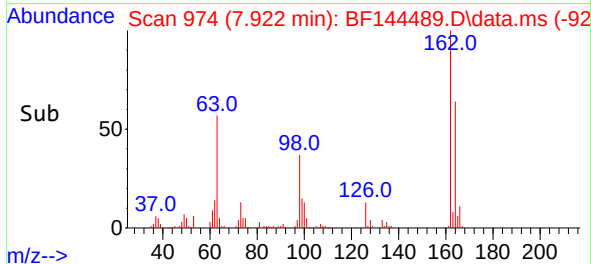
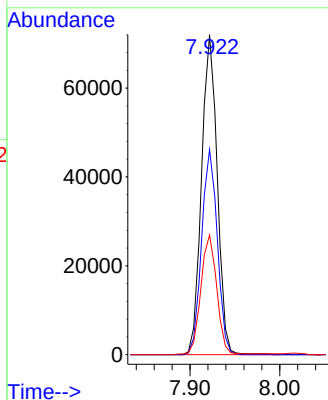
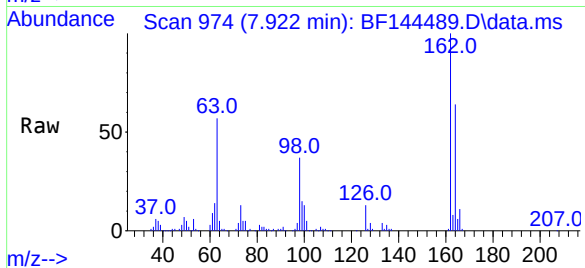




#29
2,4-Dichlorophenol
Concen: 8.154 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

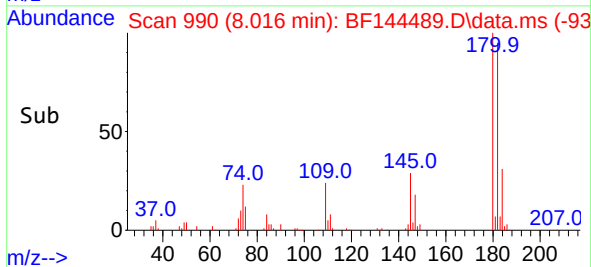
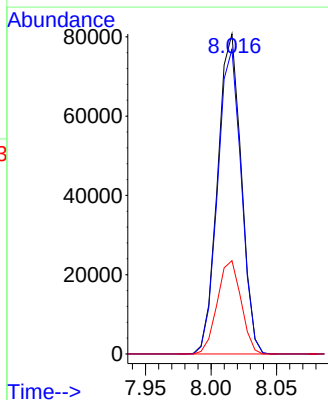
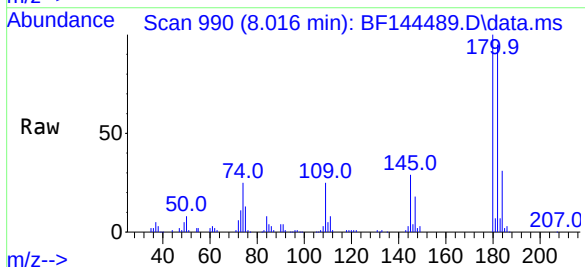
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

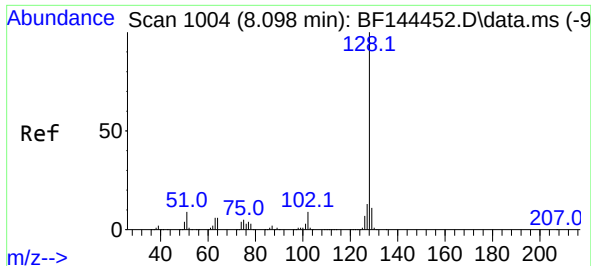
Tgt Ion:162	Resp:	87576
Ion	Ratio	Lower Upper
162	100	
164	64.1	44.2 84.2
98	37.5	17.8 57.8



#30
1,2,4-Trichlorobenzene
Concen: 8.665 ng
RT: 8.016 min Scan# 990
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:180	Resp:	100939
Ion	Ratio	Lower Upper
180	100	
182	95.2	75.2 112.8
145	29.2	25.3 37.9





#31

Naphthalene

Concen: 8.311 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

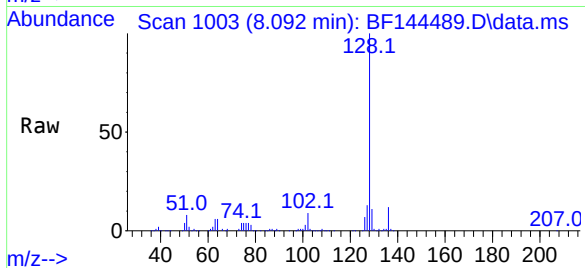
Tgt Ion:128 Resp: 336002

Ion Ratio Lower Upper

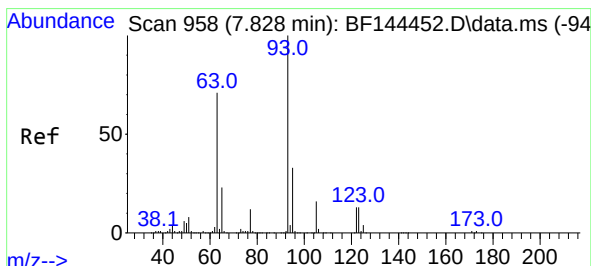
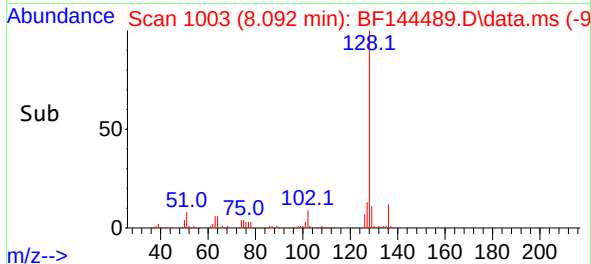
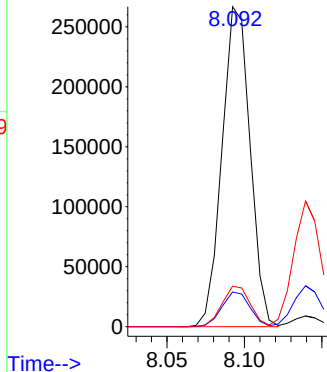
128 100

129 10.8 9.1 13.7

127 12.7 10.6 16.0



Abundance



#32

Benzoic acid

Concen: 10.216 ng

RT: 7.769 min Scan# 948

Delta R.T. -0.059 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

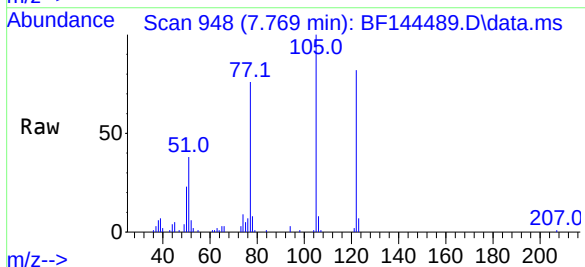
Tgt Ion:122 Resp: 32046

Ion Ratio Lower Upper

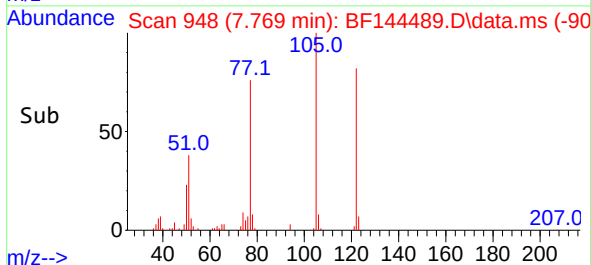
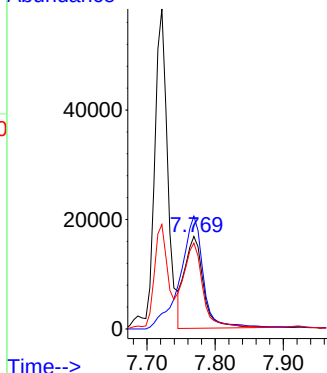
122 100

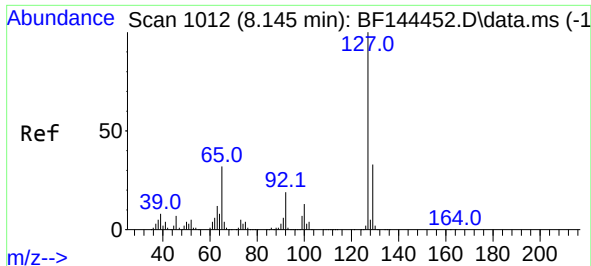
105 122.0 103.2 143.2

77 92.9 75.1 115.1



Abundance

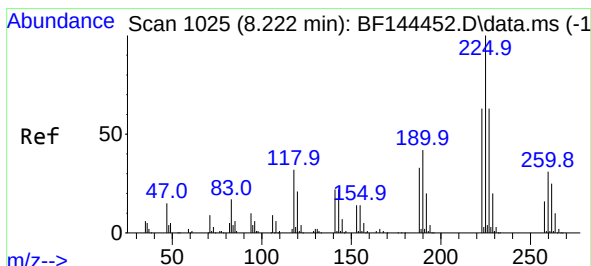
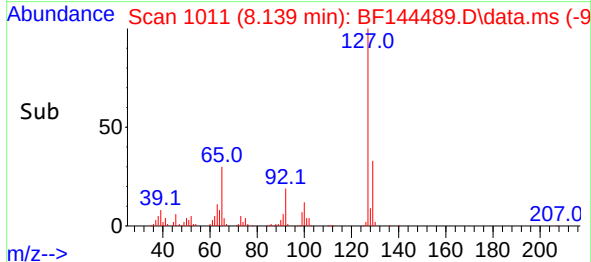
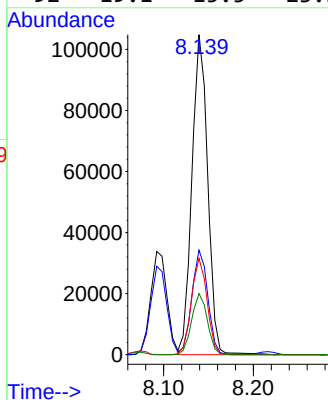
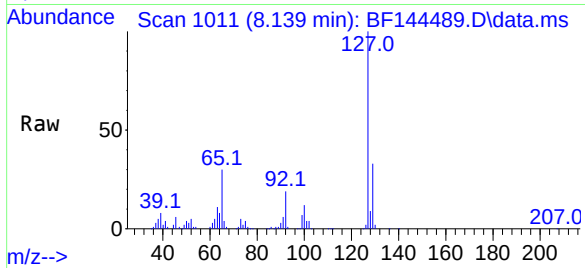




#33
4-Chloroaniline
Concen: 7.880 ng
RT: 8.139 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

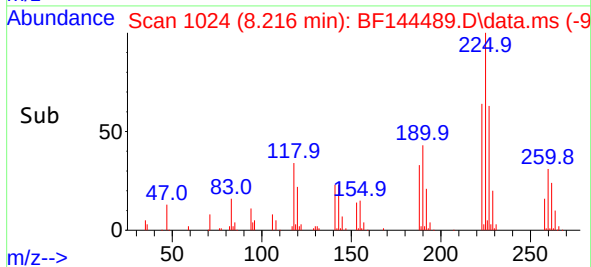
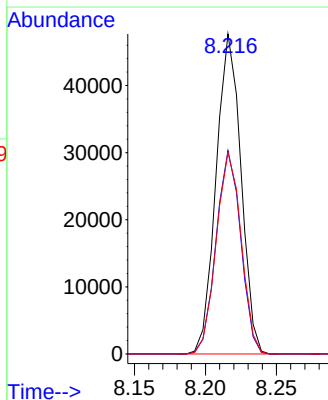
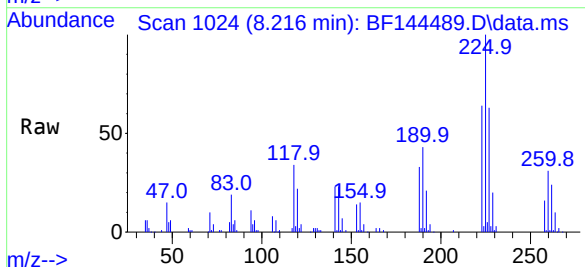
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

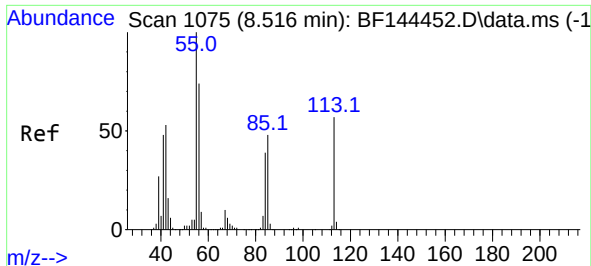
Tgt Ion:	127	Resp:	128047
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.1	25.8	38.8
92	19.1	15.5	23.3



#34
Hexachlorobutadiene
Concen: 8.048 ng
RT: 8.216 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:	225	Resp:	57968
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.1	75.1
227	63.0	50.3	75.5

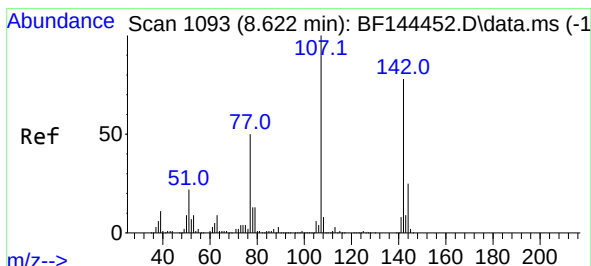
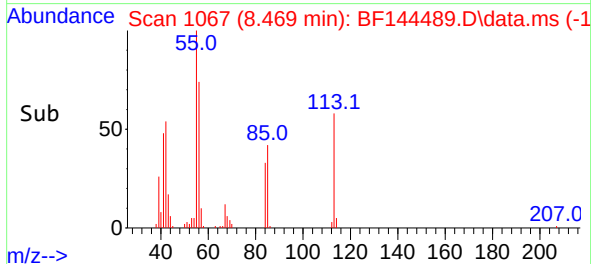
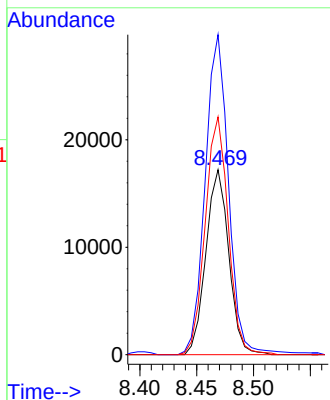
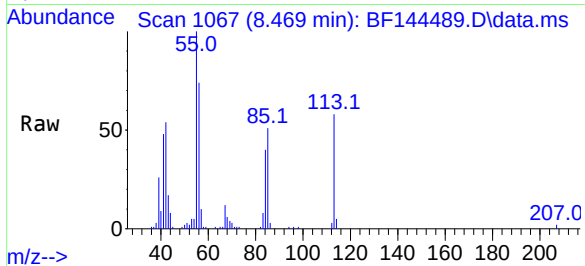




#35
 Caprolactam
 Concen: 6.819 ng
 RT: 8.469 min Scan# 1067
 Delta R.T. -0.047 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

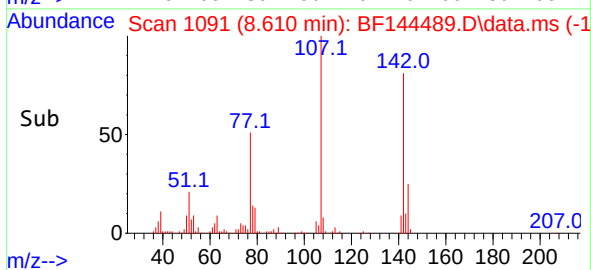
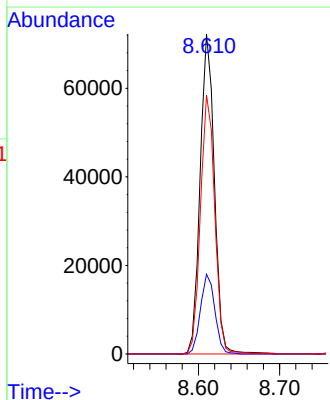
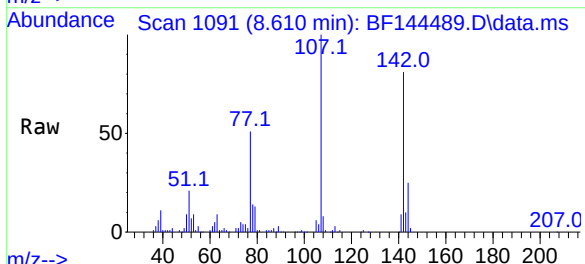
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

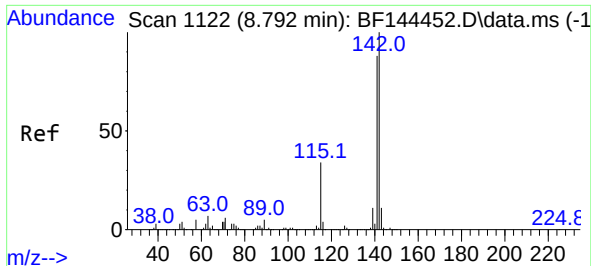
Tgt Ion:113 Resp: 24187
 Ion Ratio Lower Upper
 113 100
 55 173.1 154.5 194.5
 56 128.6 109.8 149.8



#36
 4-Chloro-3-methylphenol
 Concen: 7.540 ng
 RT: 8.610 min Scan# 1091
 Delta R.T. -0.012 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

Tgt Ion:107 Resp: 87910
 Ion Ratio Lower Upper
 107 100
 144 24.9 20.4 30.6
 142 80.9 62.4 93.6

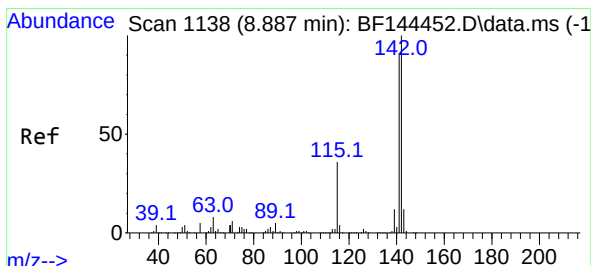
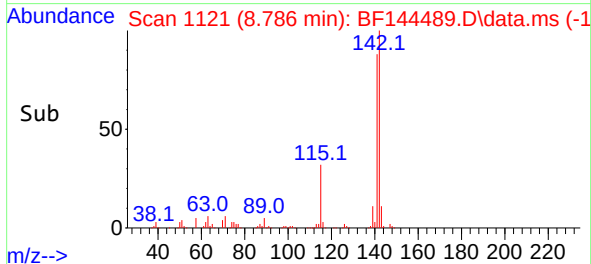
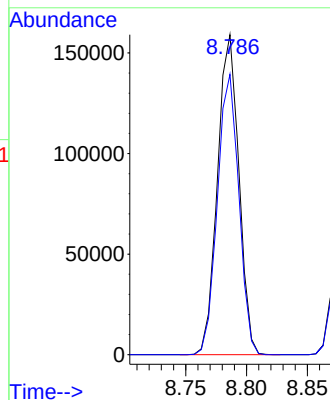
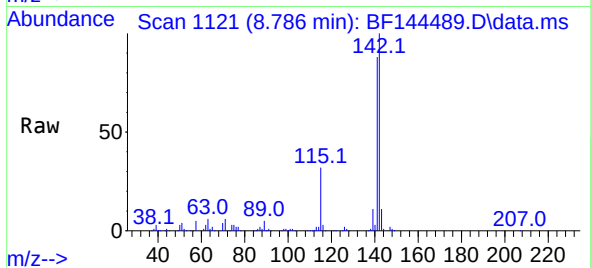




#37
2-Methylnaphthalene
Concen: 7.313 ng
RT: 8.786 min Scan# 1122
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

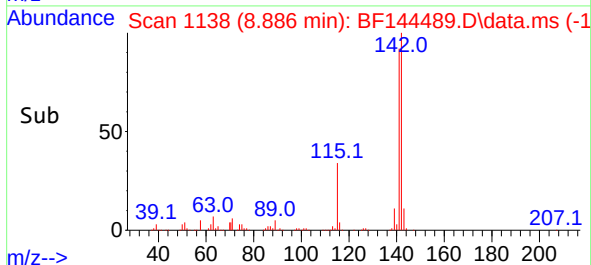
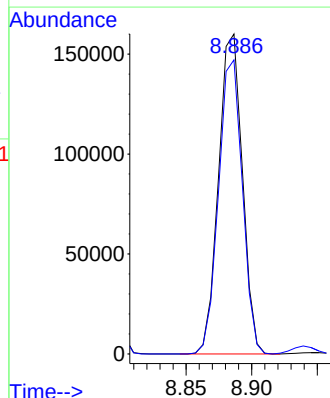
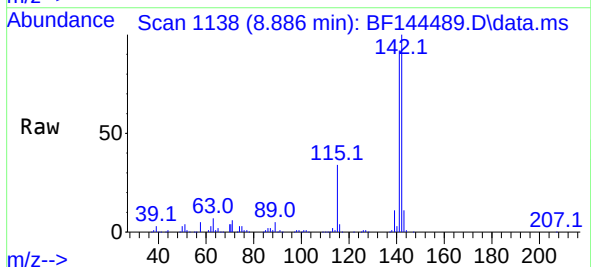
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

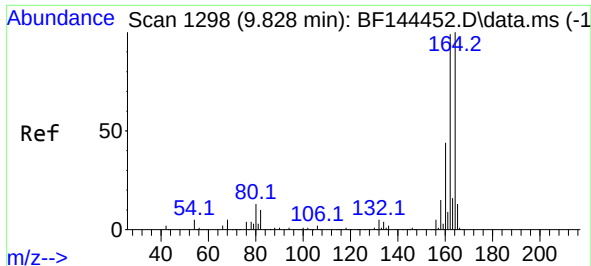
Tgt Ion:142 Resp: 194529
Ion Ratio Lower Upper
142 100
141 87.6 70.0 105.0



#38
1-Methylnaphthalene
Concen: 7.798 ng
RT: 8.886 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:142 Resp: 201969
Ion Ratio Lower Upper
142 100
141 91.9 72.6 109.0

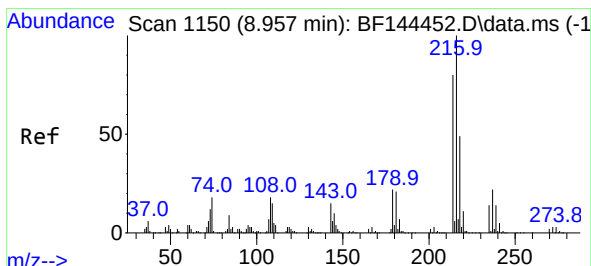
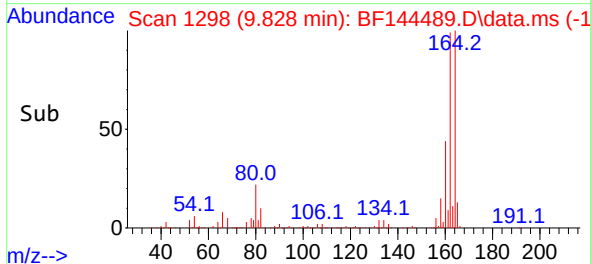
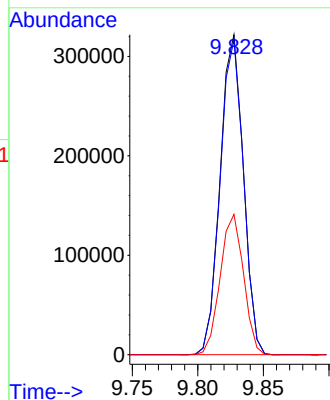
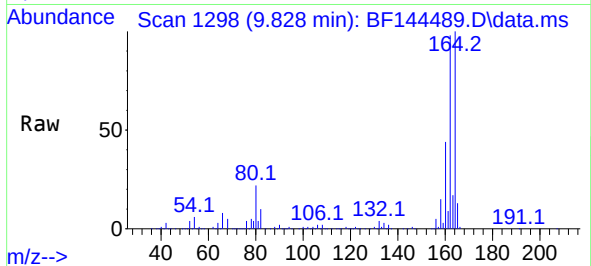




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

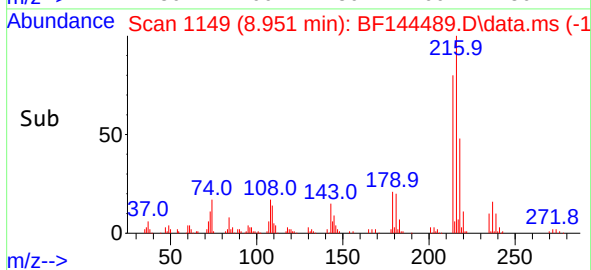
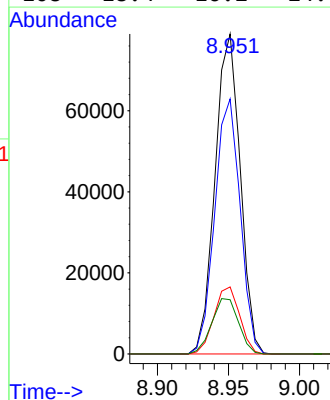
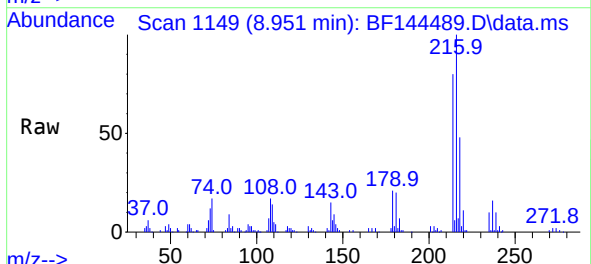
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

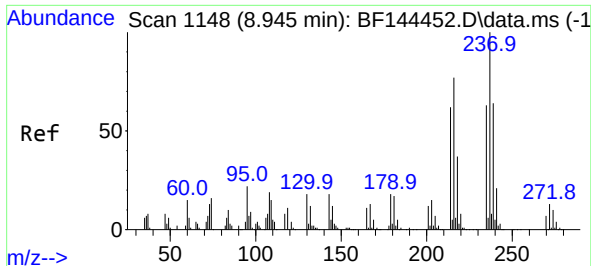
Tgt Ion:164 Resp: 396781
Ion Ratio Lower Upper
164 100
162 98.4 79.2 118.8
160 43.8 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.624 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

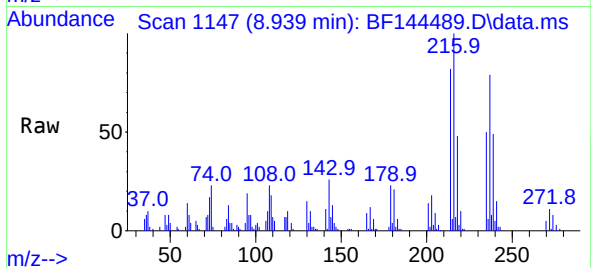
Tgt Ion:216 Resp: 97387
Ion Ratio Lower Upper
216 100
214 80.3 63.8 95.6
179 21.4 17.7 26.5
108 18.4 16.2 24.4



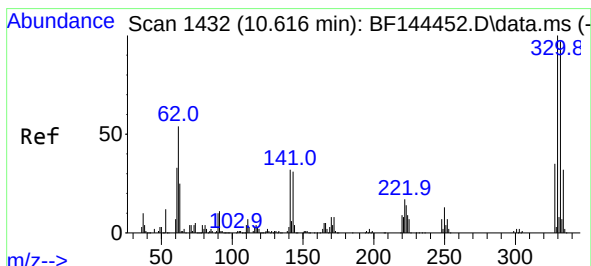
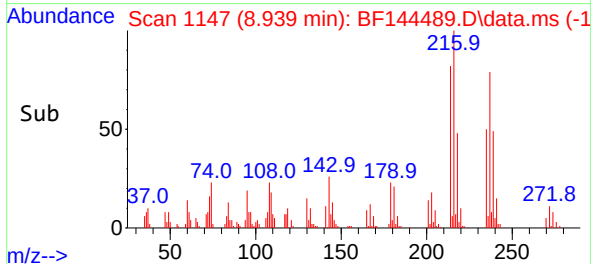
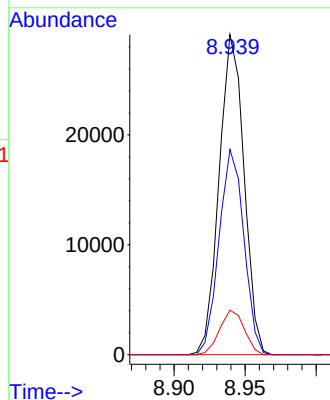


#41
Hexachlorocyclopentadiene
Concen: 5.308 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

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

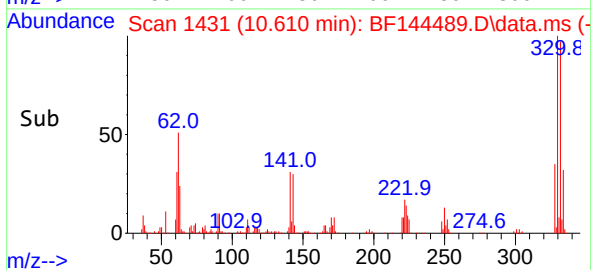
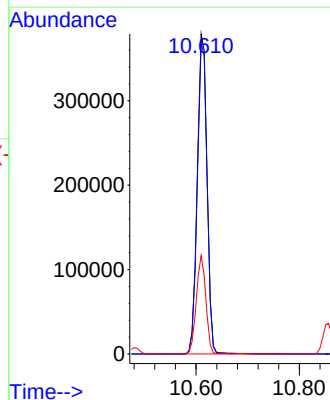
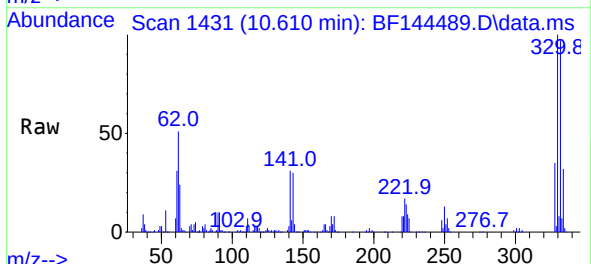


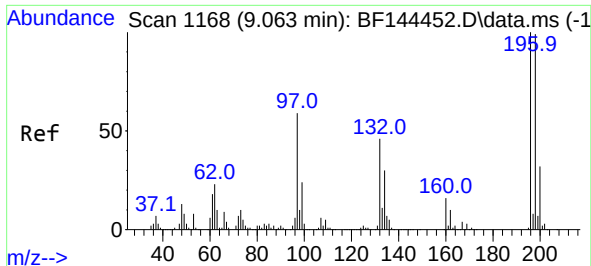
Tgt Ion:237 Resp: 35477
Ion Ratio Lower Upper
237 100
235 64.1 43.2 83.2
272 13.9 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 138.478 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:330 Resp: 496761
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 30.0 26.2 39.2

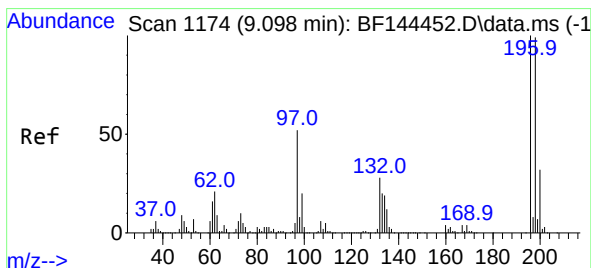
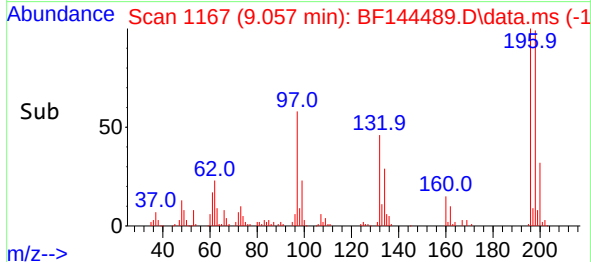
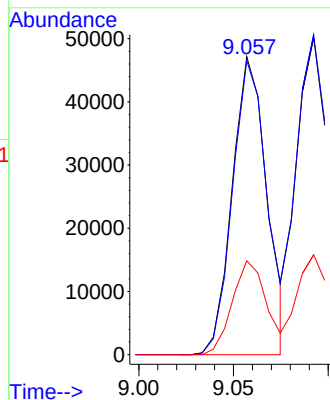
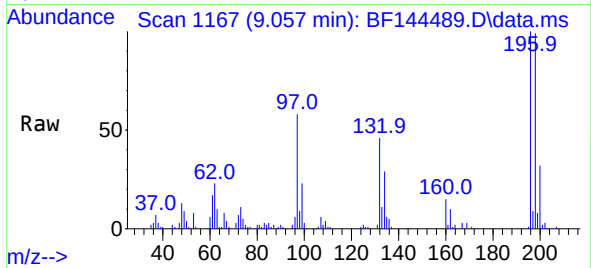




#43
2,4,6-Trichlorophenol
Concen: 8.327 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

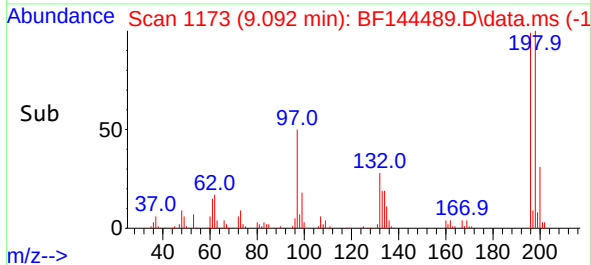
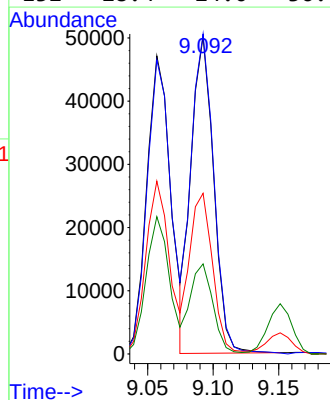
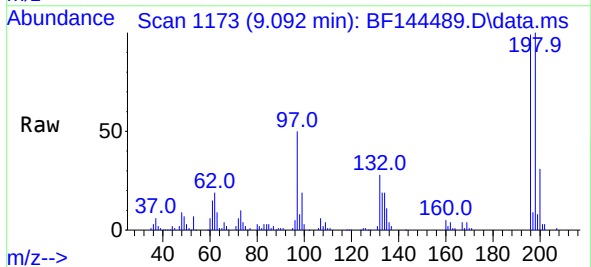
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

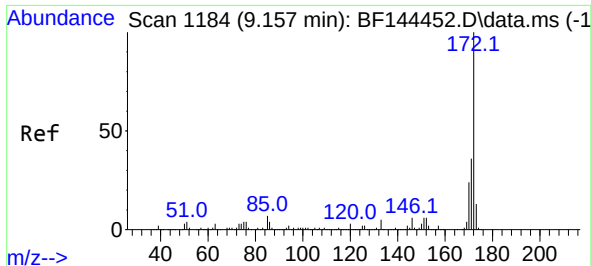
Tgt Ion:196 Resp: 59715
Ion Ratio Lower Upper
196 100
198 98.6 79.0 118.4
200 31.5 25.3 37.9



#44
2,4,5-Trichlorophenol
Concen: 7.982 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:196 Resp: 60079
Ion Ratio Lower Upper
196 100
198 100.9 79.5 119.3
97 50.7 42.2 63.2
132 28.4 24.0 36.0

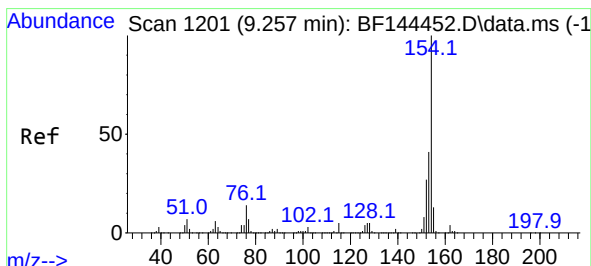
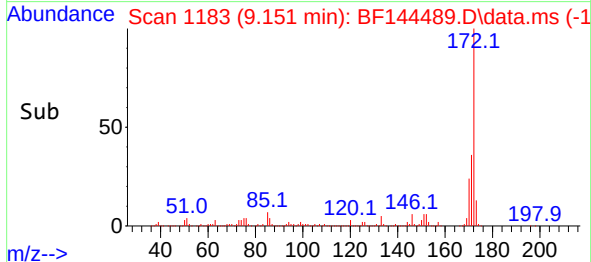
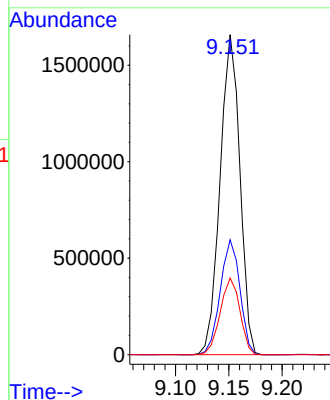
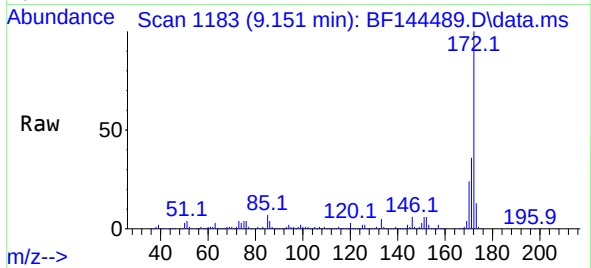




#45
2-Fluorobiphenyl
Concen: 82.664 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

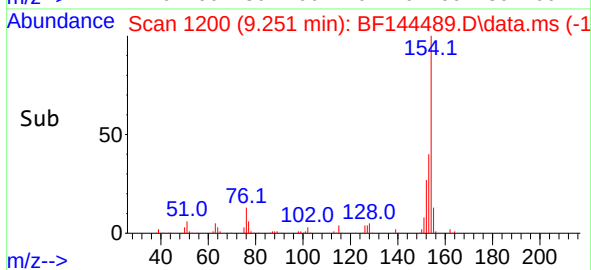
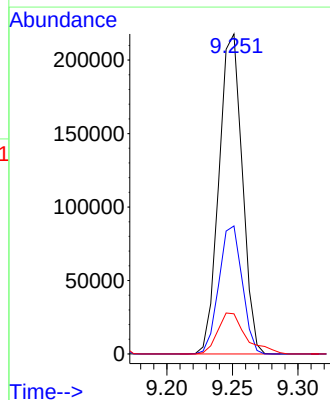
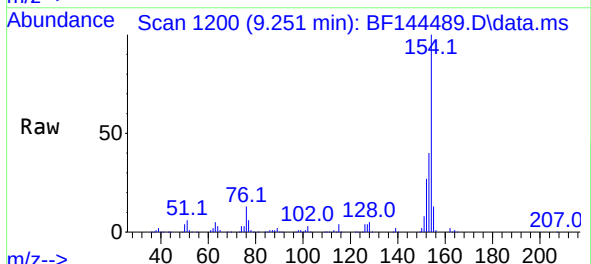
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

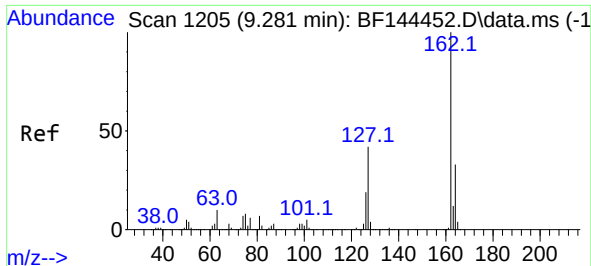
Tgt Ion:172 Resp: 2138057
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 24.0 19.3 28.9



#46
1,1'-Biphenyl
Concen: 8.675 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:154 Resp: 268981
Ion Ratio Lower Upper
154 100
153 40.0 21.0 61.0
76 12.6 0.0 33.8





#47

2-Chloronaphthalene

Concen: 8.275 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

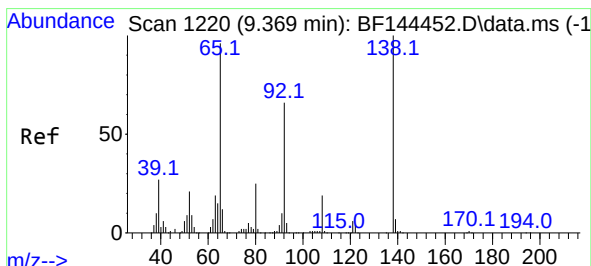
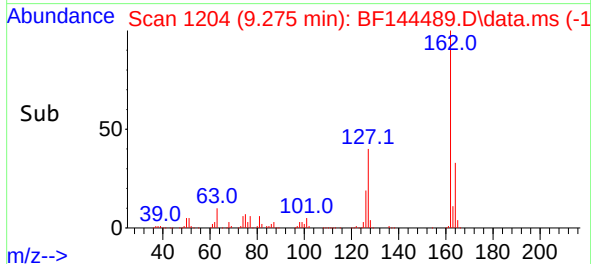
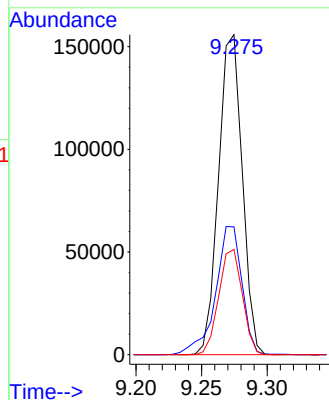
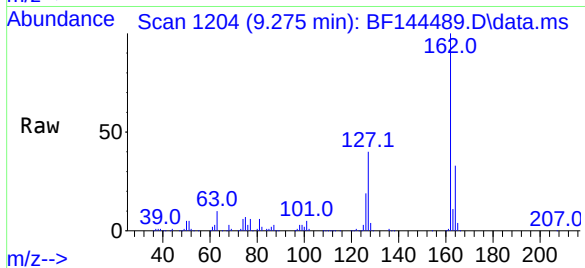
Tgt Ion:162 Resp: 195891

Ion Ratio Lower Upper

162 100

127 39.9 33.6 50.4

164 32.9 26.6 39.8



#48

2-Nitroaniline

Concen: 10.154 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

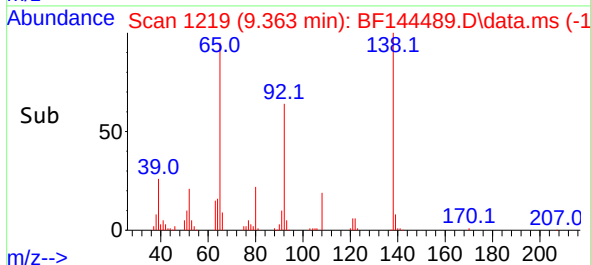
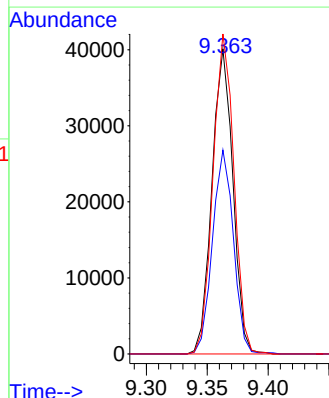
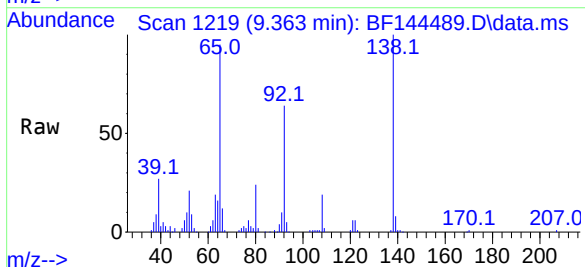
Tgt Ion: 65 Resp: 47900

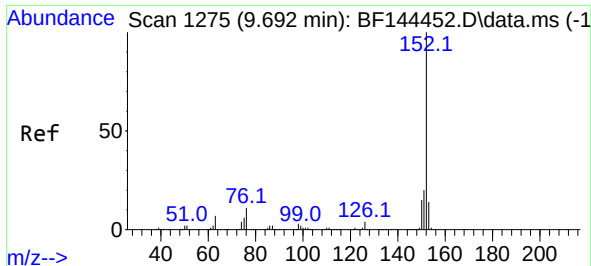
Ion Ratio Lower Upper

65 100

92 66.9 55.0 82.4

138 104.9 83.4 125.2

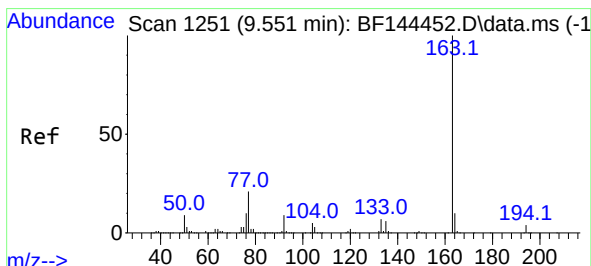
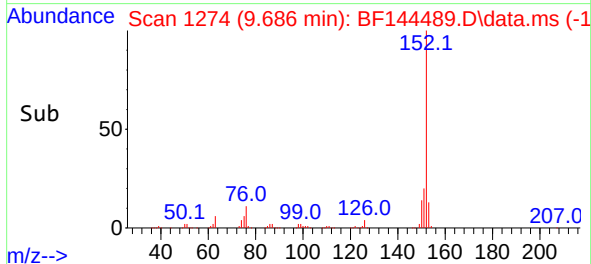
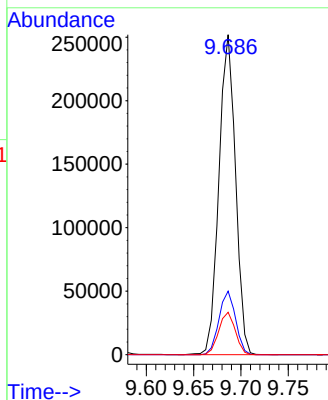
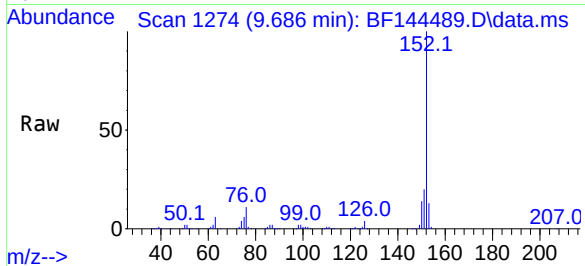




#49
Acenaphthylene
Concen: 8.196 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

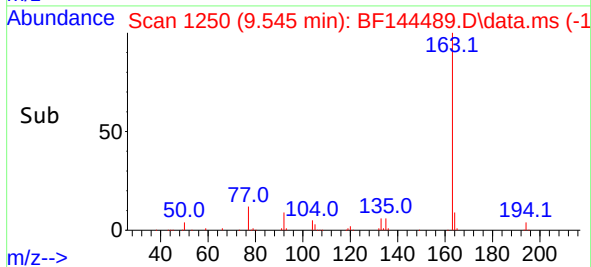
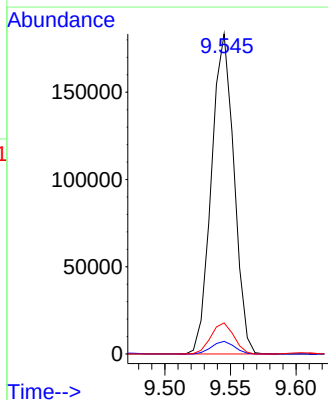
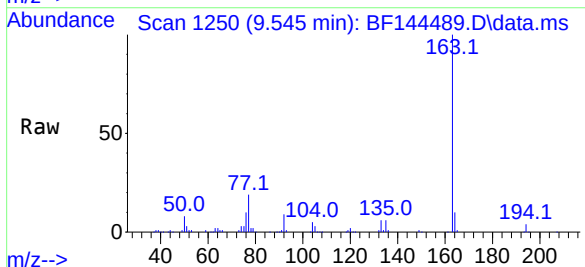
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

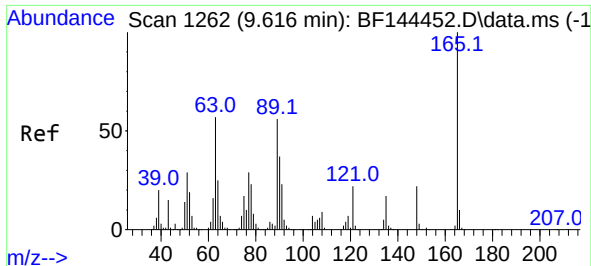
Tgt Ion:152 Resp: 307368
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.3 11.4 17.0



#50
Dimethylphthalate
Concen: 8.185 ng
RT: 9.545 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:163 Resp: 219374
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.7 8.3 12.5

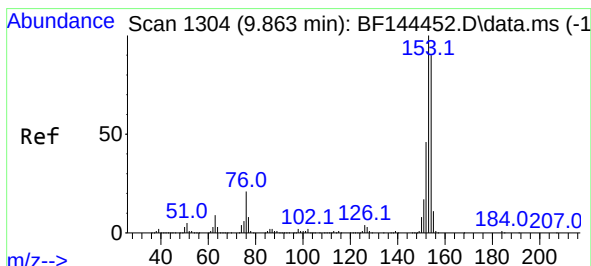
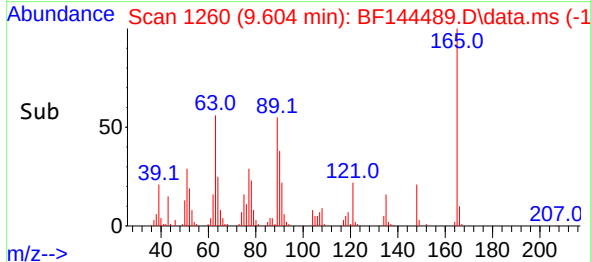
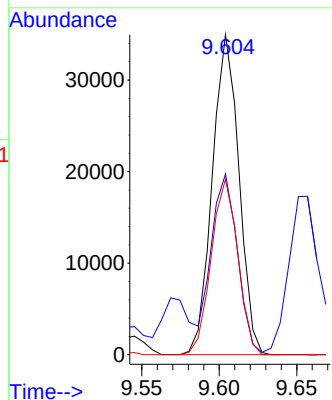
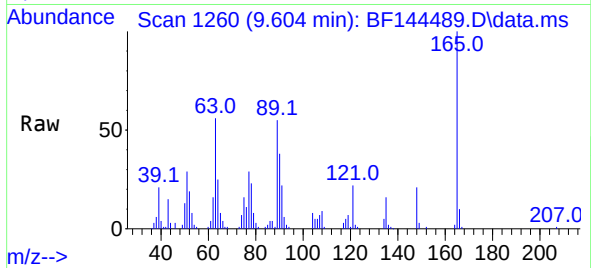




#51
2,6-Dinitrotoluene
Concen: 11.712 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

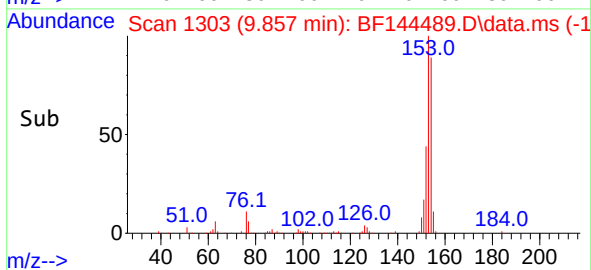
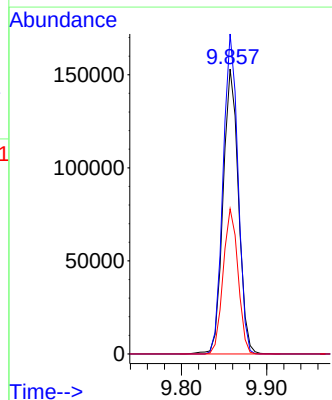
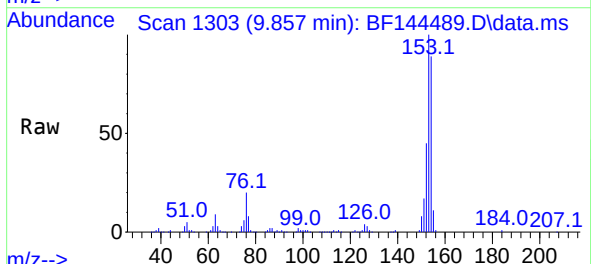
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

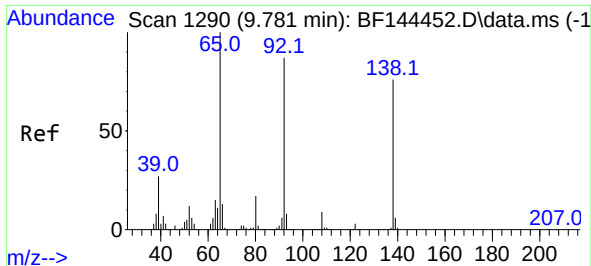
Tgt Ion:165	Resp:	41727
Ion	Ratio	Lower Upper
165	100	
63	56.4	45.9 68.9
89	54.9	44.6 67.0



#52
Acenaphthene
Concen: 8.211 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:154	Resp:	192002
Ion	Ratio	Lower Upper
154	100	
153	112.3	88.6 132.8
152	50.9	40.6 61.0

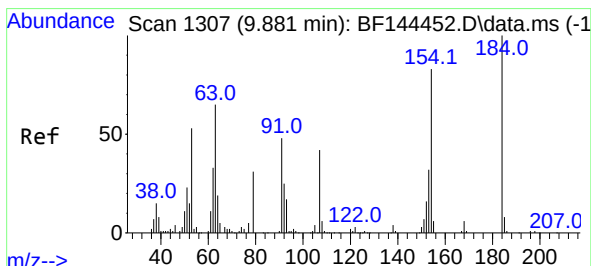
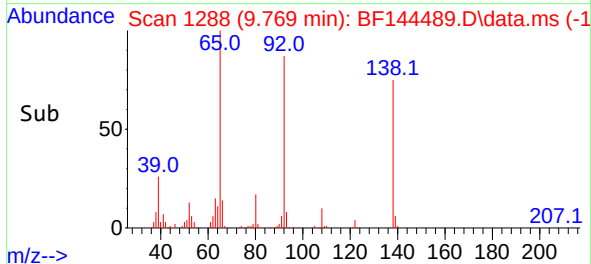
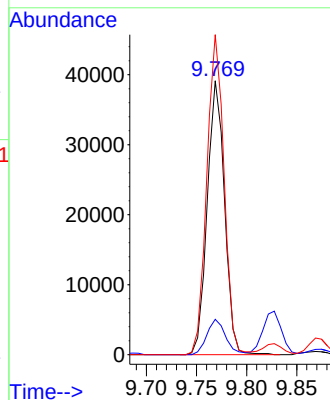
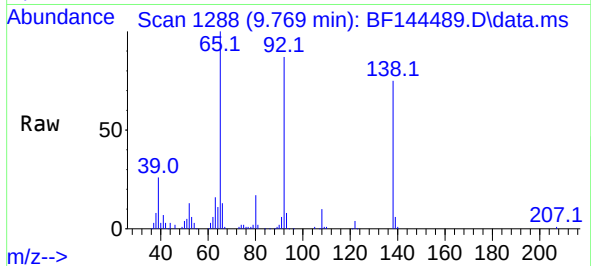




#53
3-Nitroaniline
Concen: 10.352 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

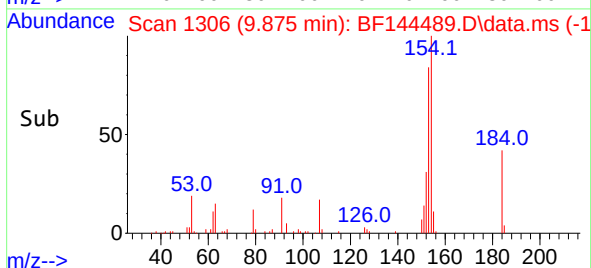
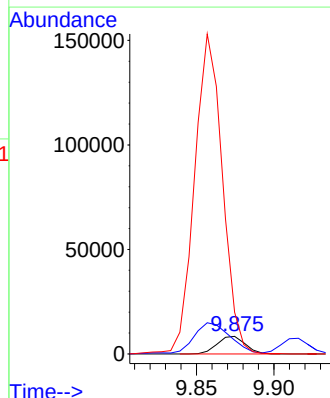
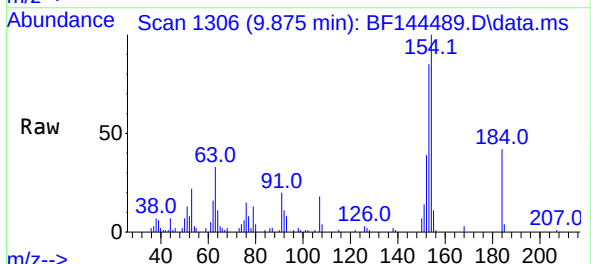
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

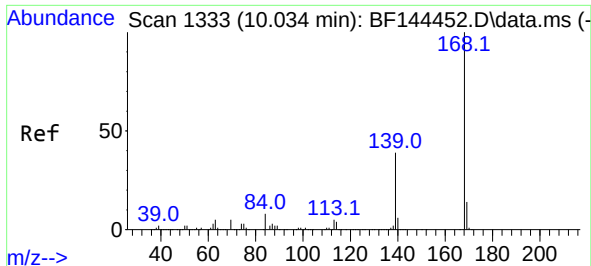
Tgt Ion:138 Resp: 47085
Ion Ratio Lower Upper
138 100
108 12.9 9.7 14.5
92 116.8 91.5 137.3



#54
2,4-Dinitrophenol
Concen: 11.917 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:184 Resp: 10610
Ion Ratio Lower Upper
184 100
63 78.2 60.6 91.0
154 235.9 137.8 206.8#

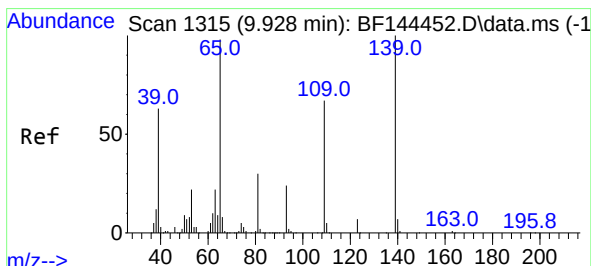
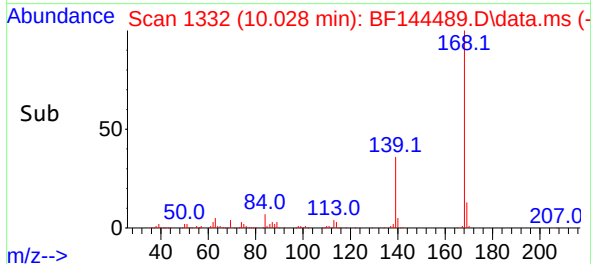
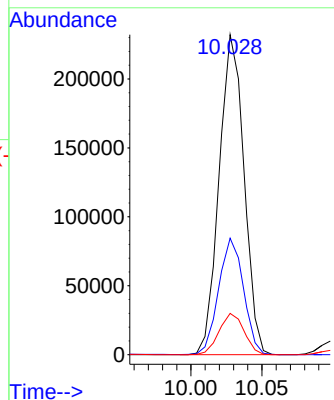
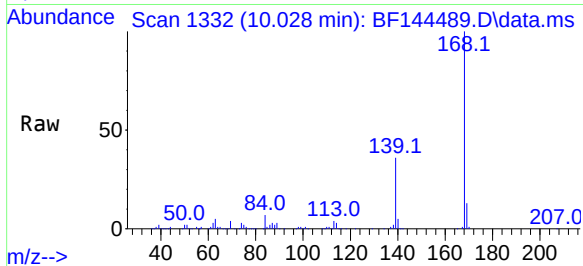




#55
Dibenzenofuran
Concen: 8.502 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

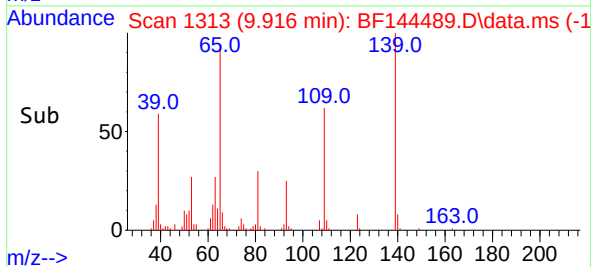
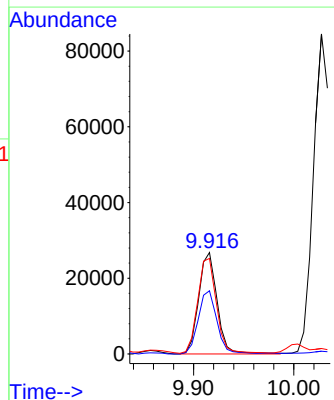
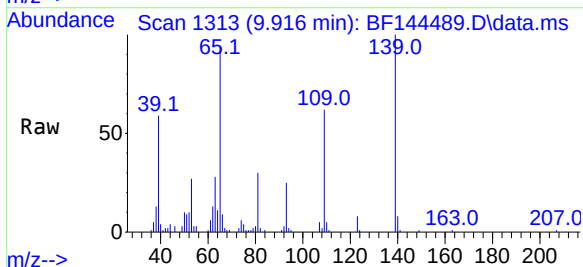
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

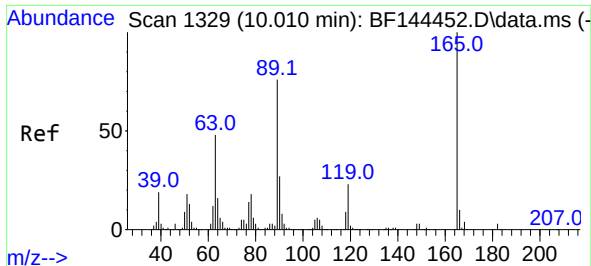
Tgt Ion:168 Resp: 282874
Ion Ratio Lower Upper
168 100
139 36.4 31.0 46.6
169 12.9 10.9 16.3



#56
4-Nitrophenol
Concen: 7.510 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:139 Resp: 34279
Ion Ratio Lower Upper
139 100
109 62.3 47.4 87.4
65 94.2 78.4 118.4

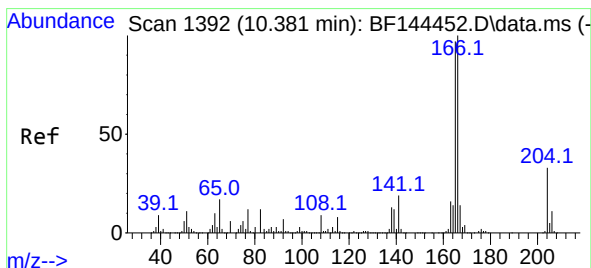
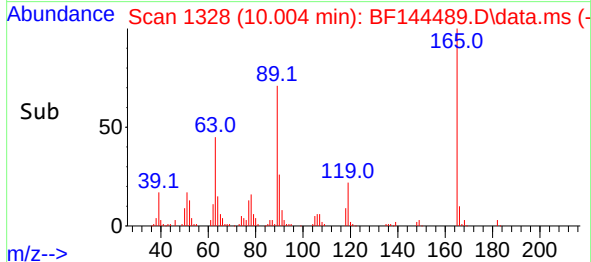
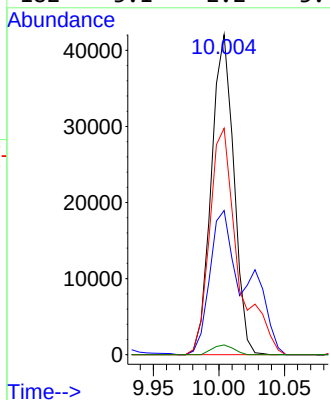
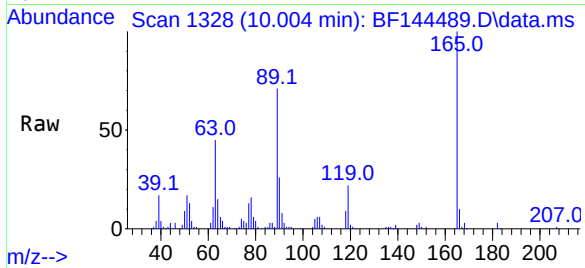




#57
2,4-Dinitrotoluene
Concen: 10.762 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

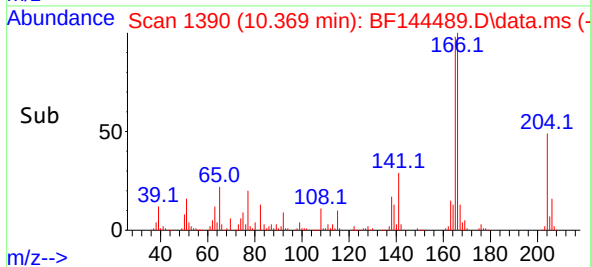
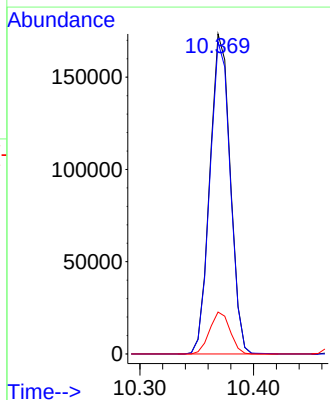
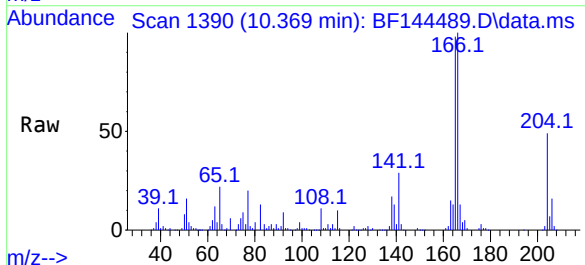
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

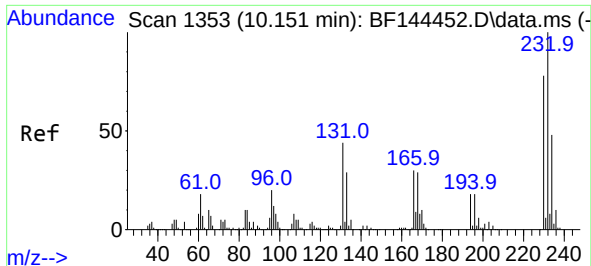
Tgt Ion:165	Resp:	50181
Ion	Ratio	Lower Upper
165	100	
63	45.1	38.2 57.4
89	70.8	61.2 91.8
182	3.1	2.2 3.4



#58
Fluorene
Concen: 8.606 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:166	Resp:	216816
Ion	Ratio	Lower Upper
166	100	
165	97.6	77.6 116.4
167	13.1	10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.009 ng

RT: 10.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:232 Resp: 51469

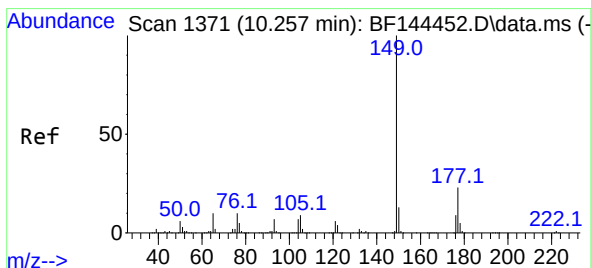
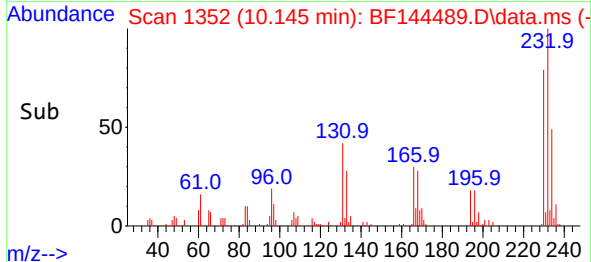
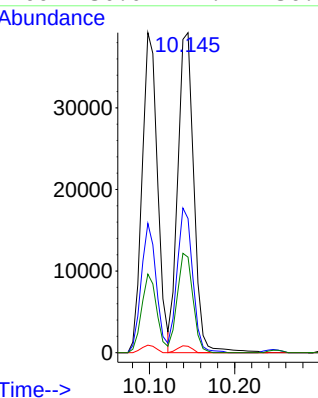
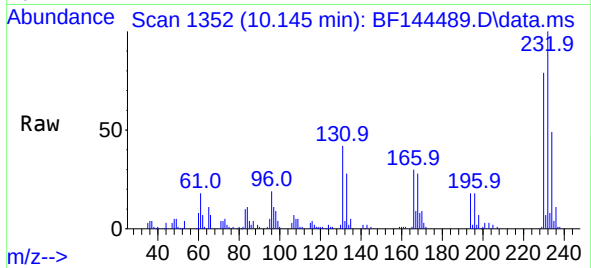
Ion Ratio Lower Upper

232 100

131 43.5 36.3 54.5

130 1.9 1.8 2.6

166 30.0 24.4 36.6



#60

Diethylphthalate

Concen: 7.952 ng

RT: 10.245 min Scan# 1369

Delta R.T. -0.012 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

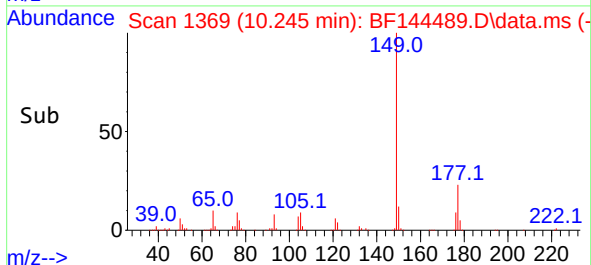
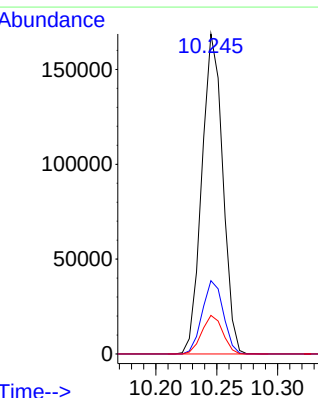
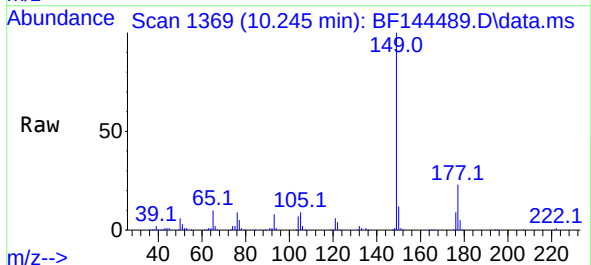
Tgt Ion:149 Resp: 201982

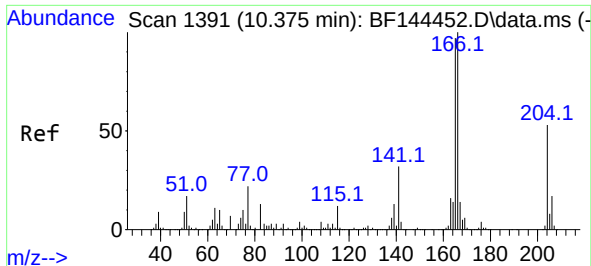
Ion Ratio Lower Upper

149 100

177 22.9 18.7 28.1

150 12.0 10.1 15.1

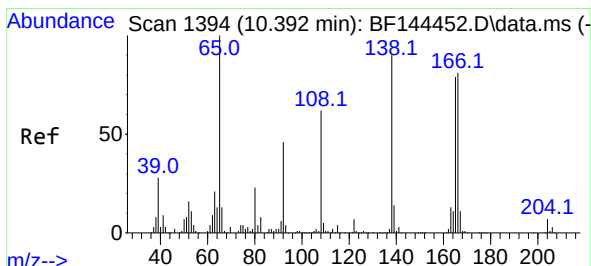
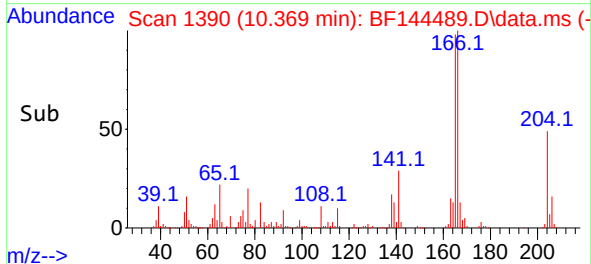
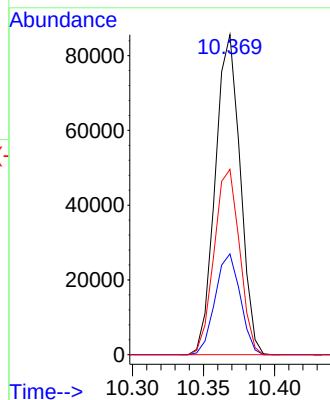
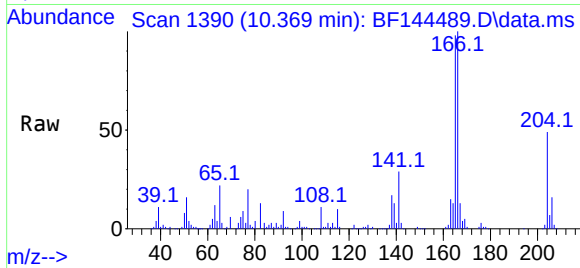




#61
4-Chlorophenyl-phenylether
Concen: 8.469 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

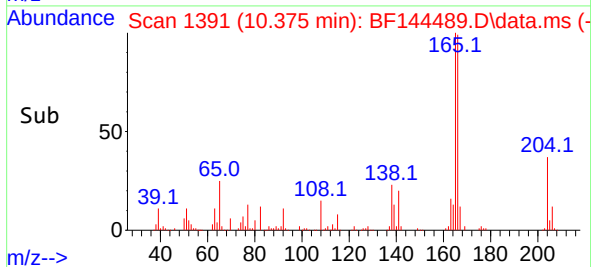
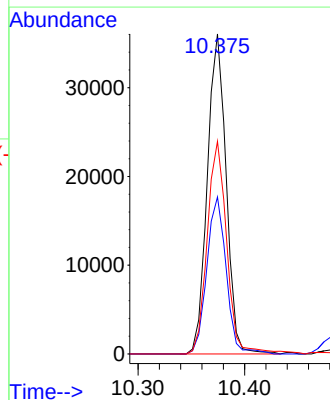
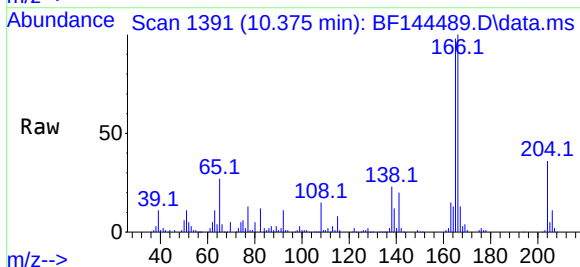
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

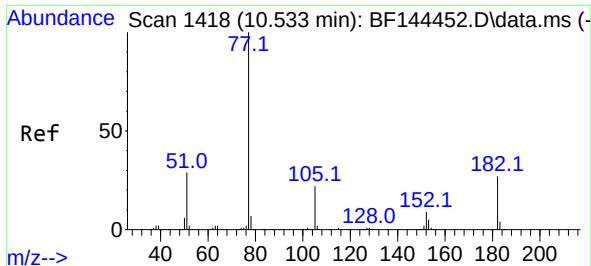
Tgt Ion:204 Resp: 104689
Ion Ratio Lower Upper
204 100
206 31.5 26.3 39.5
141 57.9 48.4 72.6



#62
4-Nitroaniline
Concen: 9.593 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.017 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:138 Resp: 44269
Ion Ratio Lower Upper
138 100
92 49.0 30.8 70.8
108 66.5 49.2 89.2

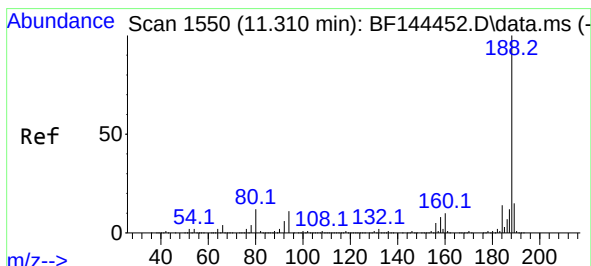
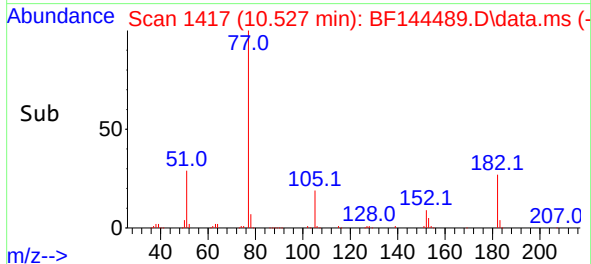
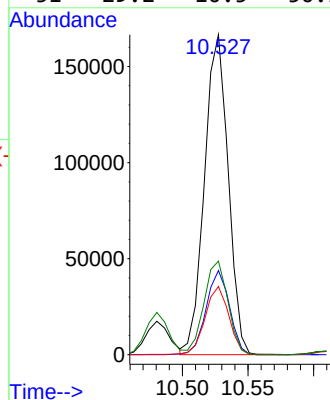
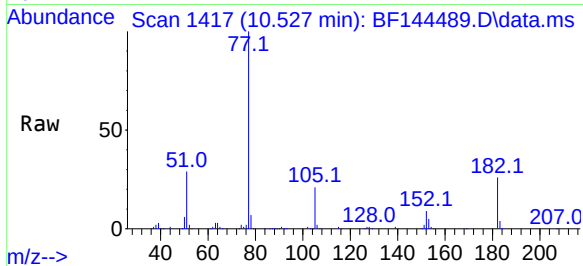




#63
Azobenzene
Concen: 7.829 ng
RT: 10.527 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

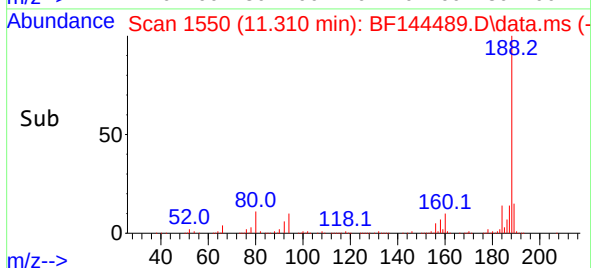
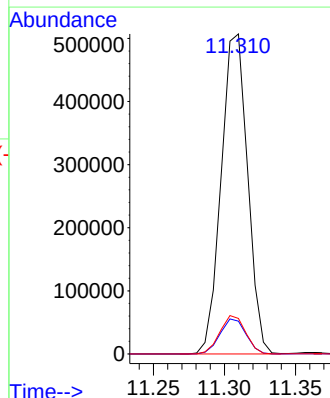
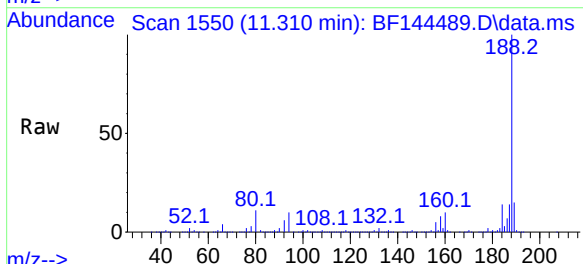
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

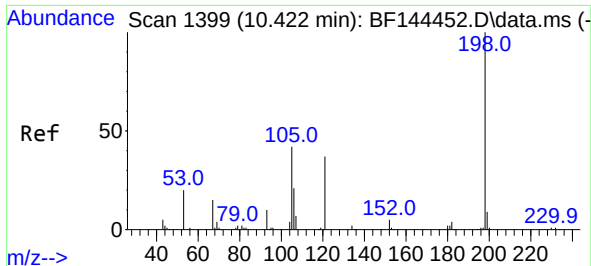
Tgt Ion:	77	Resp:	210180
Ion	Ratio	Lower	Upper
77	100		
182	26.3	6.1	46.1
105	21.3	1.5	41.5
51	29.2	10.5	50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:	188	Resp:	656454
Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.0	13.6
80	11.1	9.8	14.8

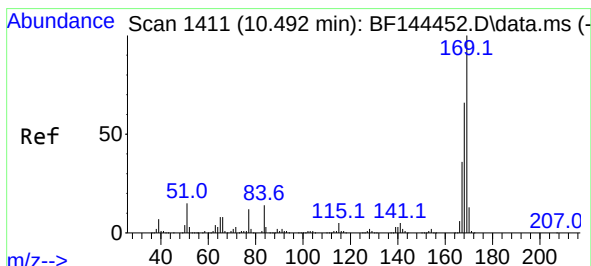
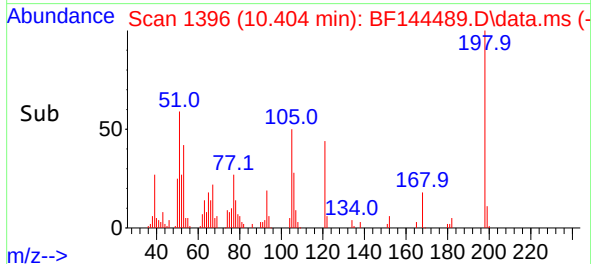
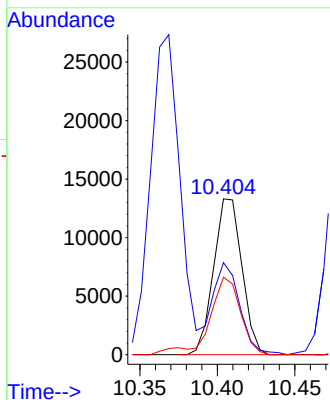
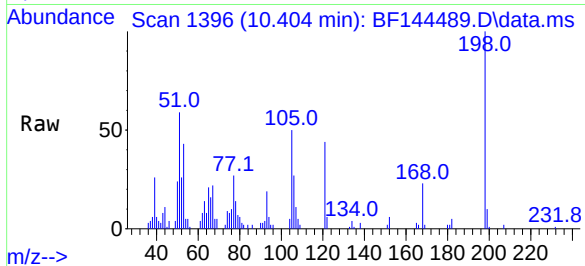




#65
4,6-Dinitro-2-methylphenol
Concen: 11.988 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

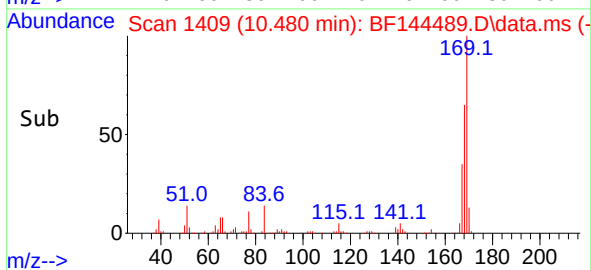
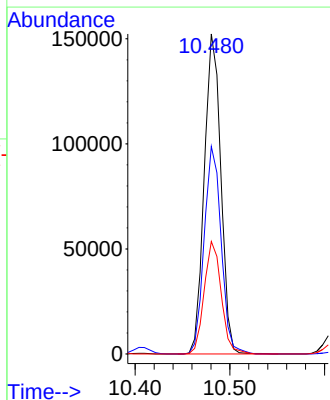
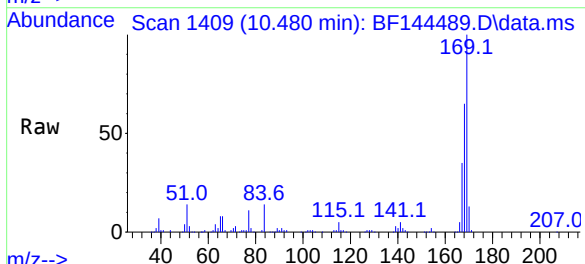
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

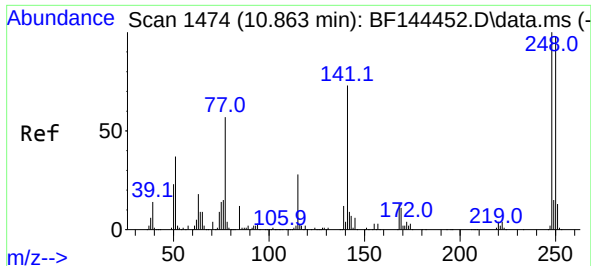
Tgt Ion:198 Resp: 16917
Ion Ratio Lower Upper
198 100
51 59.0 25.5 65.5
105 49.7 23.4 63.4



#66
n-Nitrosodiphenylamine
Concen: 8.216 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:169 Resp: 184828
Ion Ratio Lower Upper
169 100
168 64.9 52.6 79.0
167 35.1 28.8 43.2

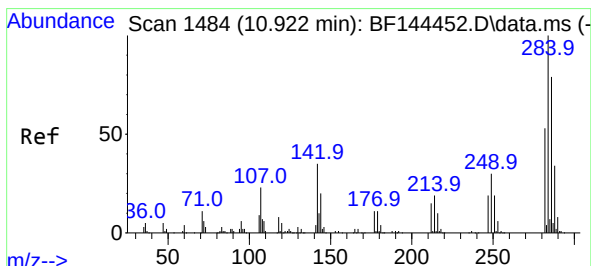
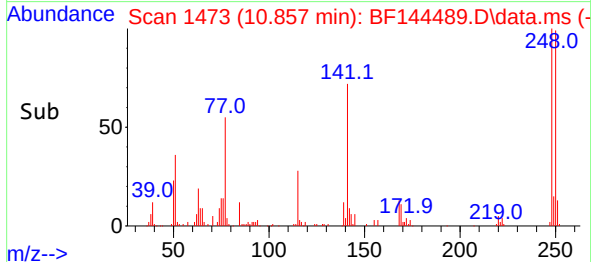
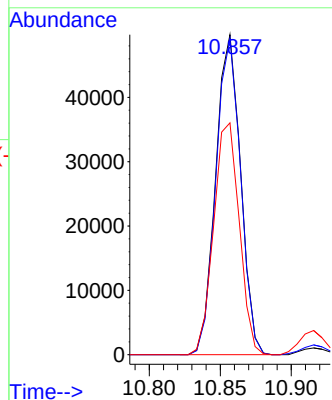
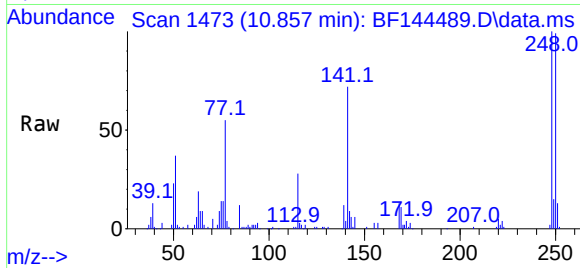




#67
4-Bromophenyl-phenylether
Concen: 7.915 ng
RT: 10.857 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

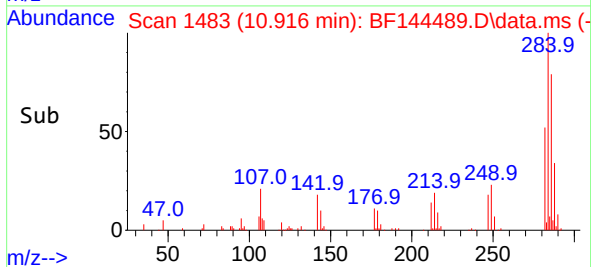
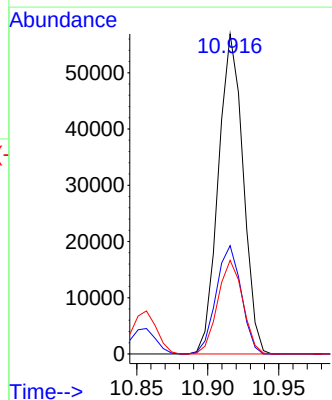
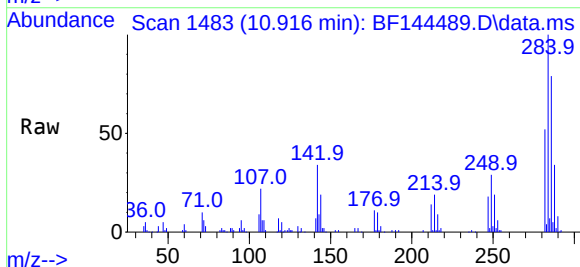
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

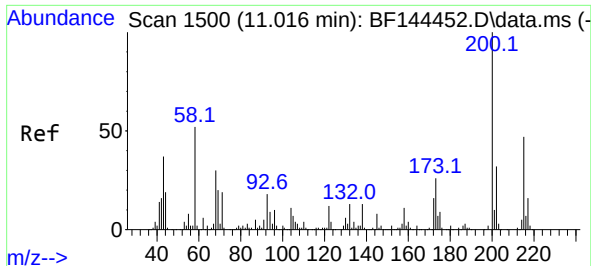
Tgt Ion:248 Resp: 60661
Ion Ratio Lower Upper
248 100
250 98.8 78.2 117.4
141 72.5 58.5 87.7



#68
Hexachlorobenzene
Concen: 8.161 ng
RT: 10.916 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:284 Resp: 69044
Ion Ratio Lower Upper
284 100
142 33.8 28.2 42.2
249 29.3 24.7 37.1

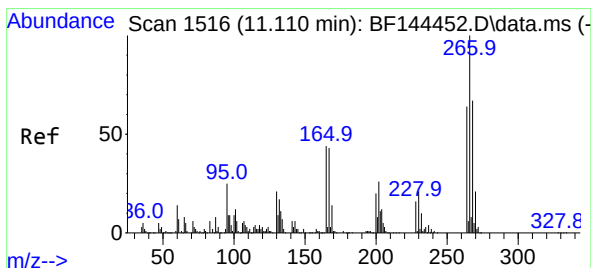
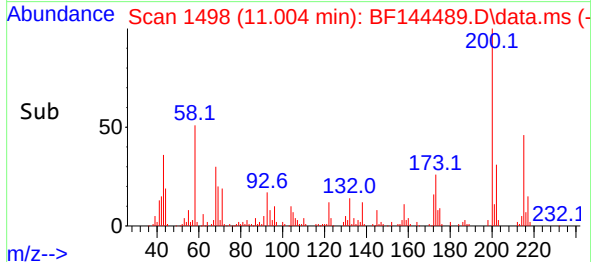
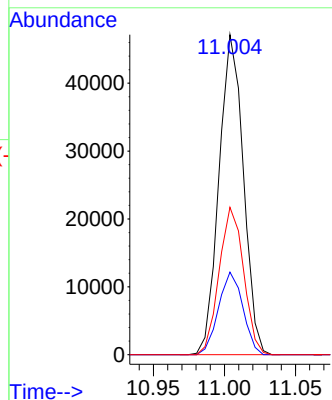
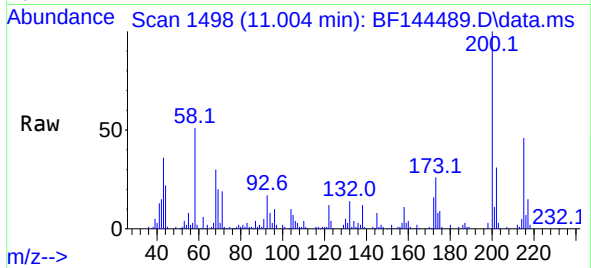




#69
Atrazine
Concen: 7.975 ng
RT: 11.004 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

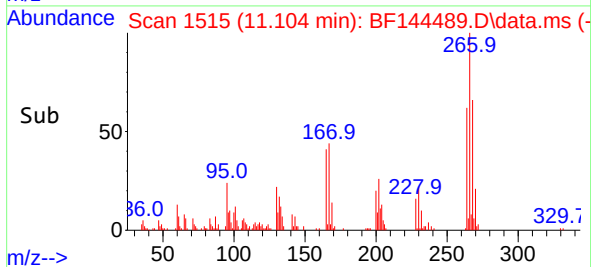
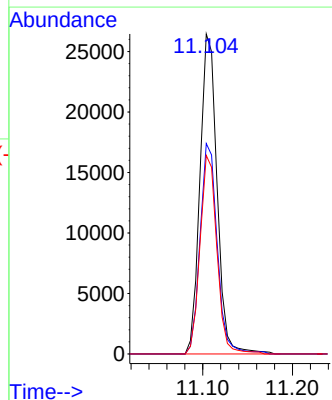
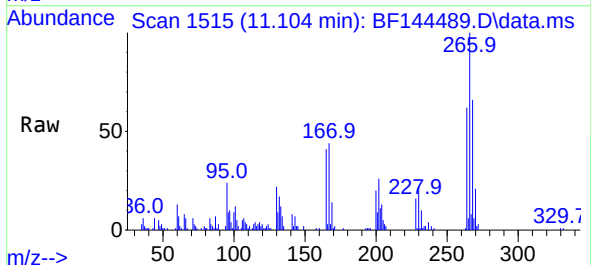
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

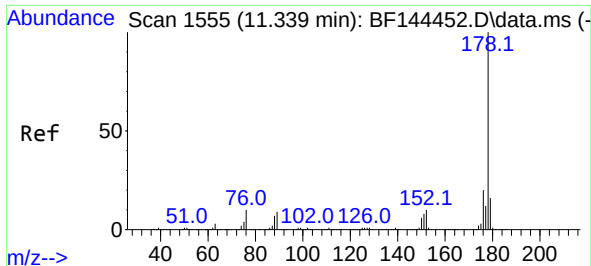
Tgt Ion:200 Resp: 56193
Ion Ratio Lower Upper
200 100
173 25.8 6.2 46.2
215 46.1 27.2 67.2



#70
Pentachlorophenol
Concen: 7.247 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:266 Resp: 34972
Ion Ratio Lower Upper
266 100
268 65.7 53.8 80.8
264 62.1 51.2 76.8

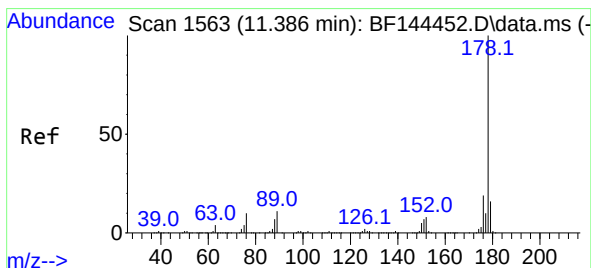
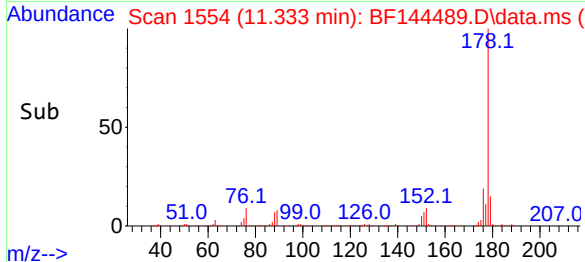
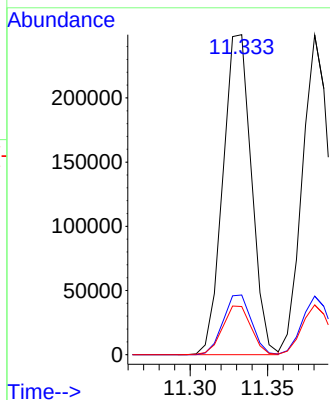
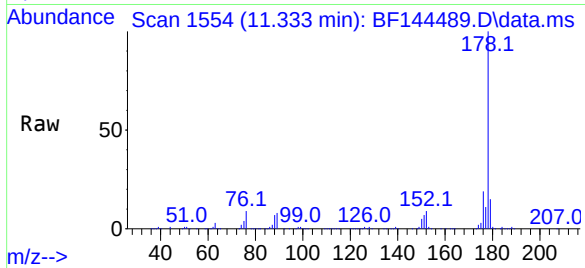




#71
Phenanthrene
Concen: 8.436 ng
RT: 11.333 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

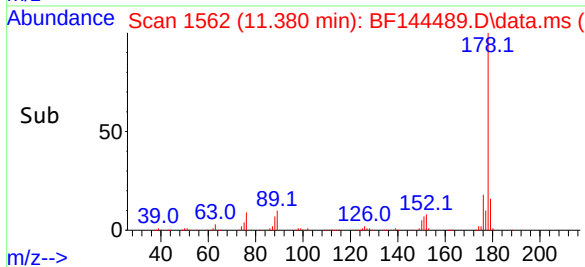
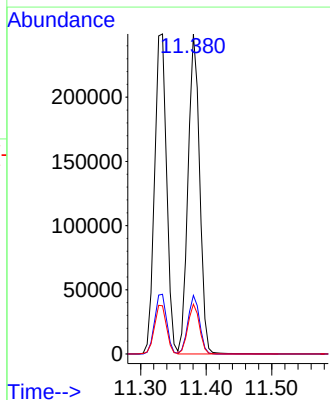
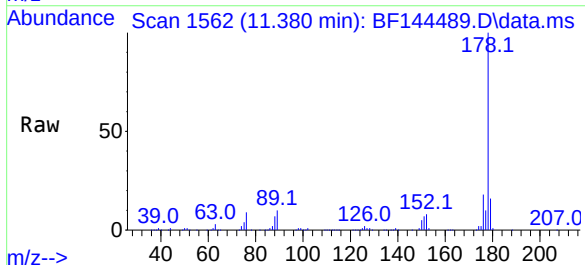
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

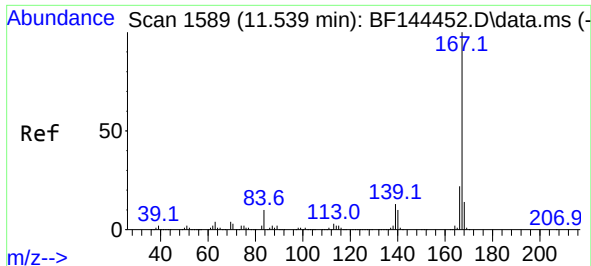
Tgt Ion:178 Resp: 319259
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.1 12.5 18.7



#72
Anthracene
Concen: 7.961 ng
RT: 11.380 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:178 Resp: 304944
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 15.6 12.7 19.1

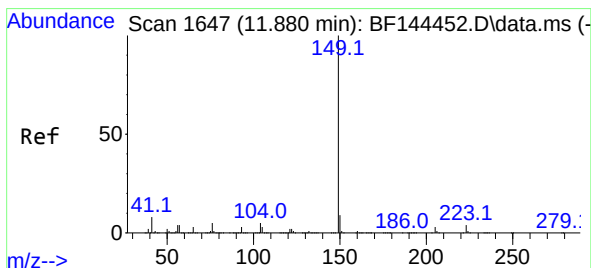
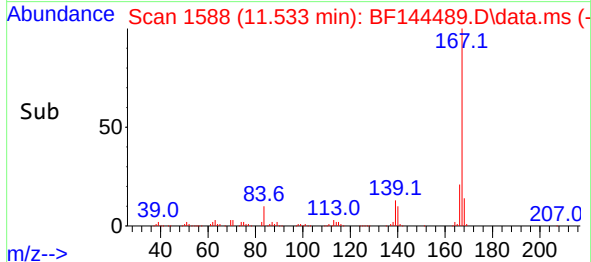
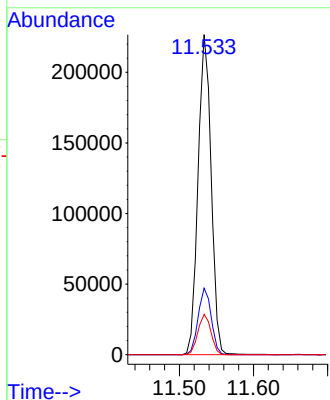
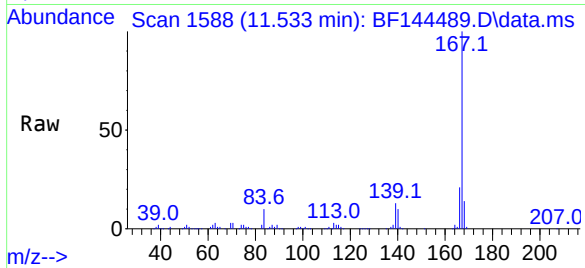




#73
 Carbazole
 Concen: 8.347 ng
 RT: 11.533 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

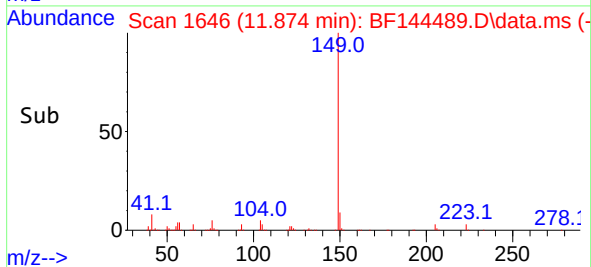
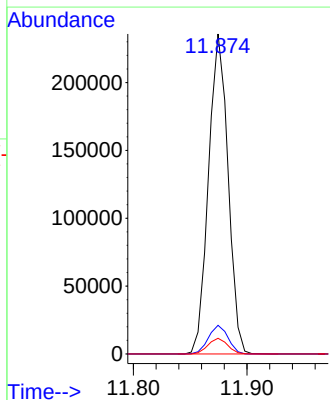
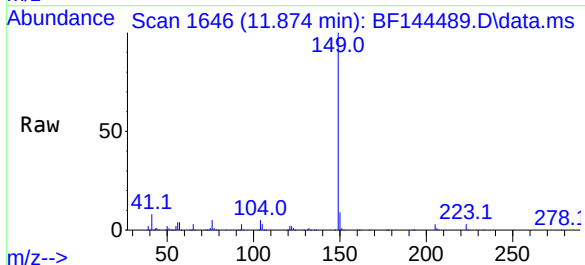
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

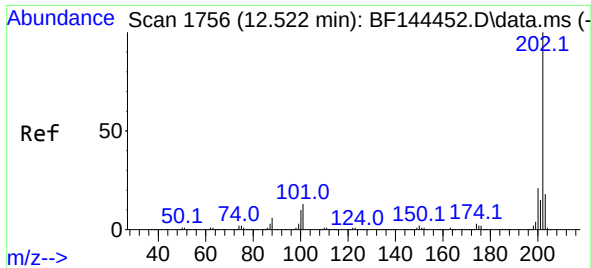
Tgt Ion:167 Resp: 277566
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.4 26.2
 139 12.6 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 7.918 ng
 RT: 11.874 min Scan# 1646
 Delta R.T. -0.006 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

Tgt Ion:149 Resp: 281444
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.5 11.3
 104 4.9 3.9 5.9

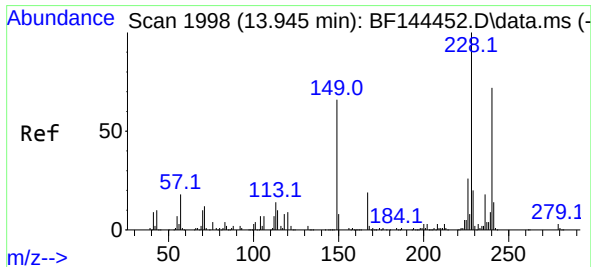
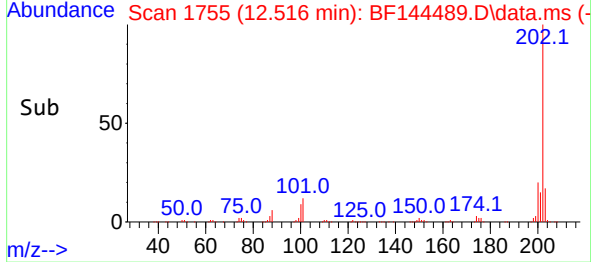
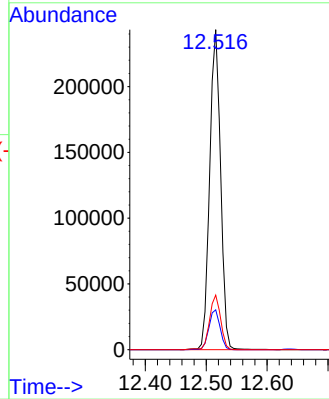
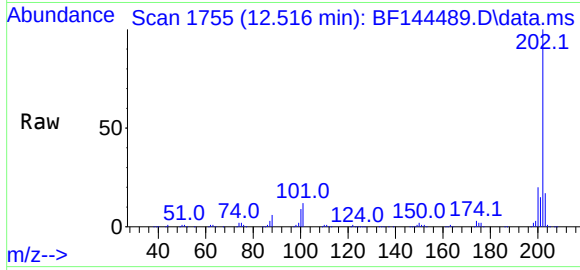




#75
Fluoranthene
Concen: 8.108 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

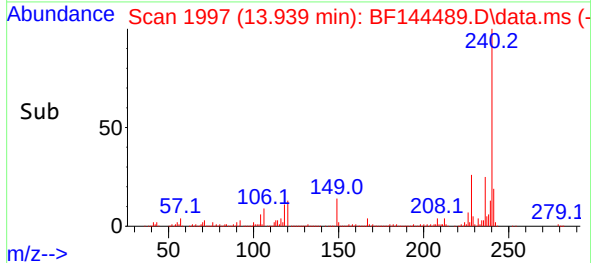
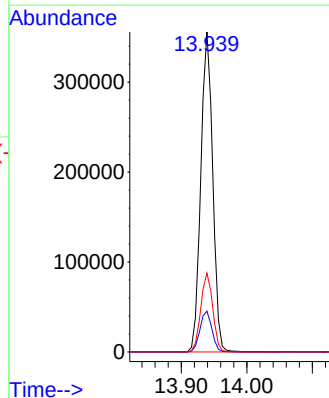
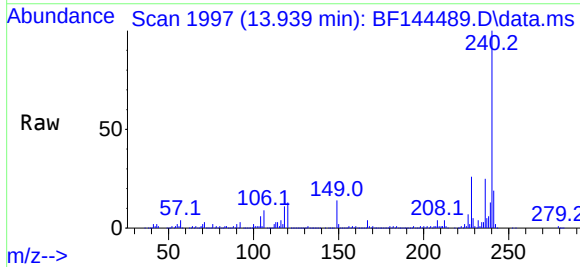
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

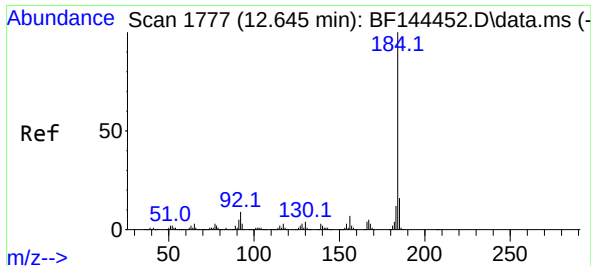
Tgt Ion:	202	Resp:	303019
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.9
203	17.0	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:	240	Resp:	450953
Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.3	15.5
236	24.6	20.2	30.4

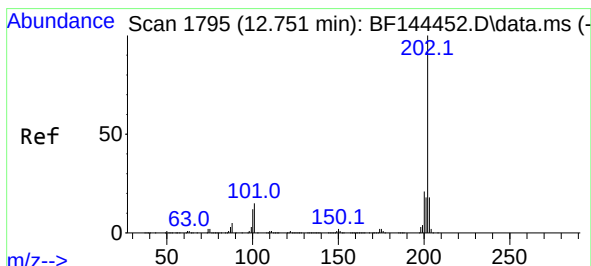
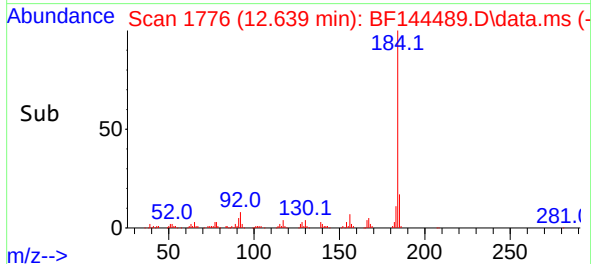
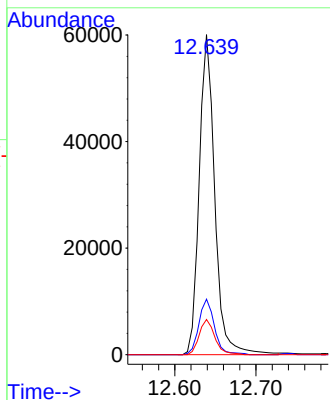
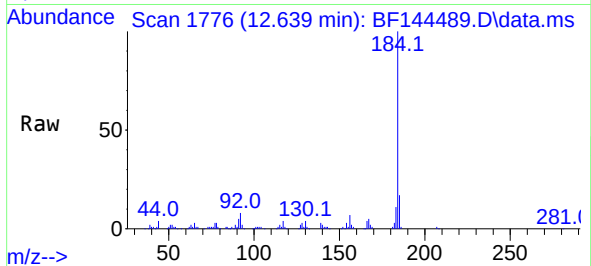




#77
Benzidine
Concen: 4.975 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

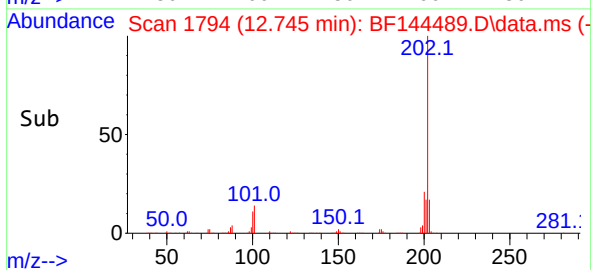
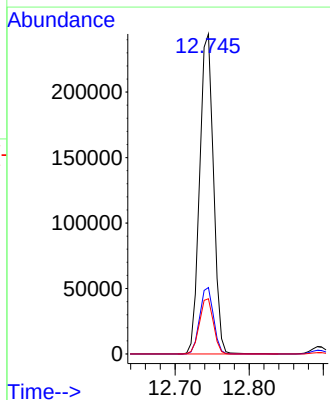
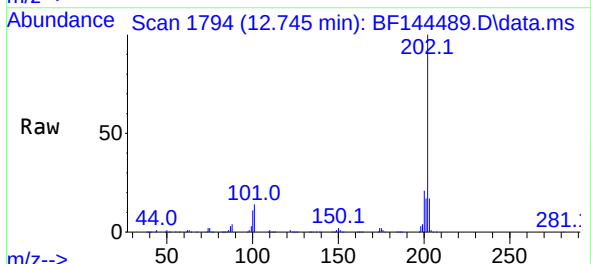
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

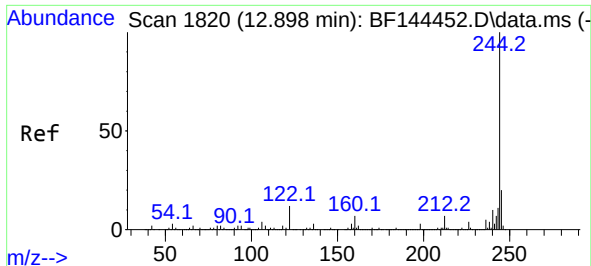
Tgt Ion:184	Resp:	79890
Ion Ratio	Lower	Upper
184	100	
185	17.4	12.6 18.8
183	11.0	9.4 14.0



#78
Pyrene
Concen: 7.681 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:202	Resp:	317354
Ion Ratio	Lower	Upper
202	100	
200	20.7	16.9 25.3
203	17.3	14.2 21.4

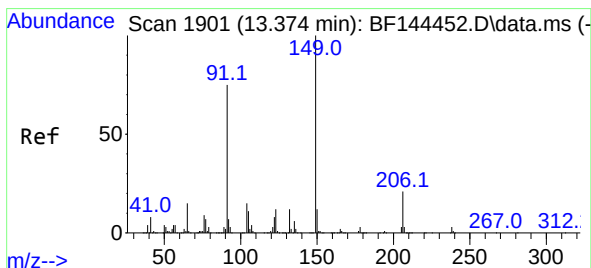
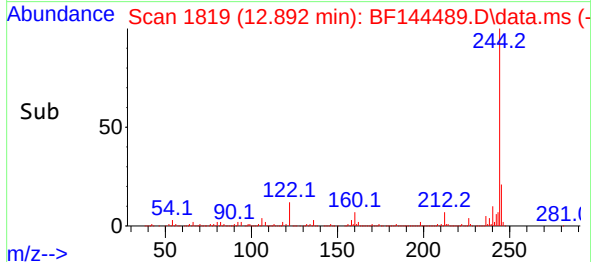
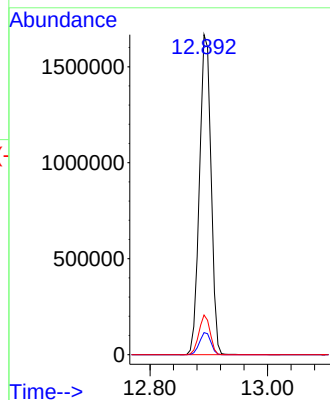
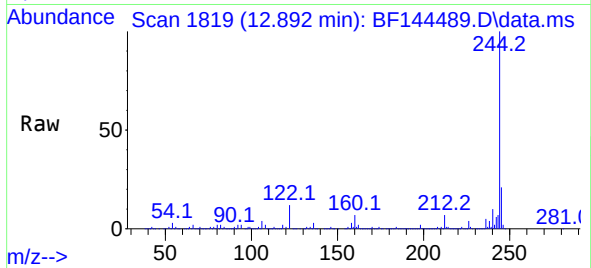




#79
Terphenyl-d14
Concen: 79.548 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

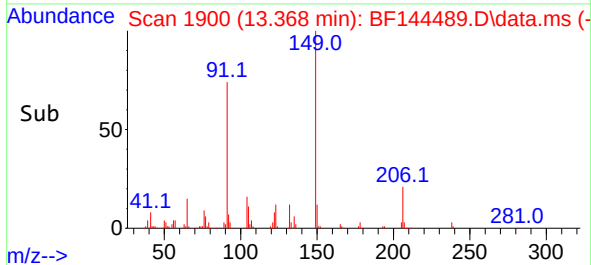
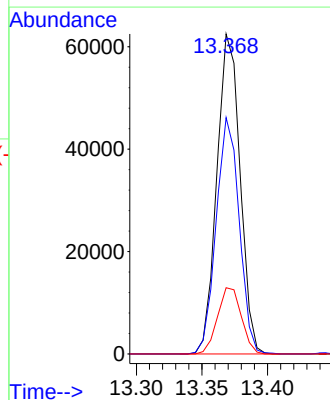
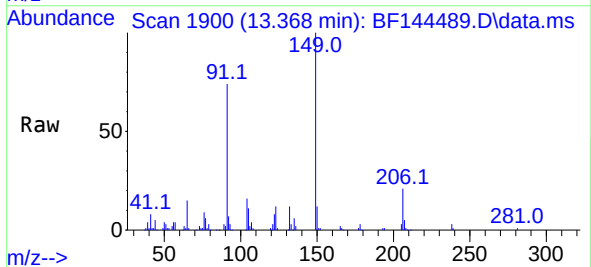
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

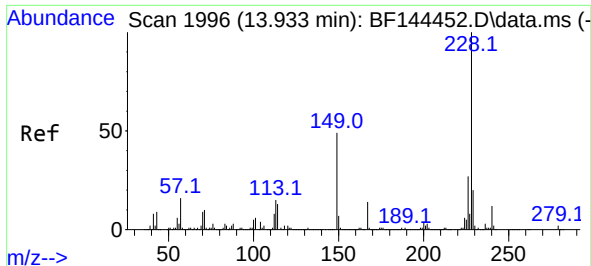
Tgt Ion:244 Resp: 2272146
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 12.4 9.9 14.9



#80
Butylbenzylphthalate
Concen: 8.498 ng
RT: 13.368 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

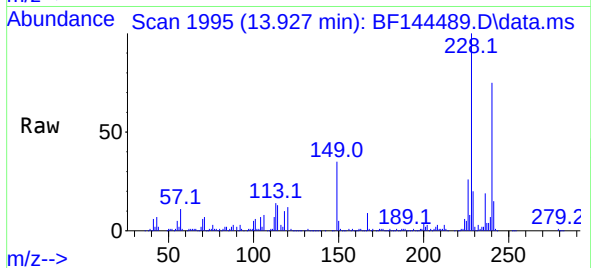
Tgt Ion:149 Resp: 76854
Ion Ratio Lower Upper
149 100
91 73.8 59.8 89.8
206 20.7 17.0 25.6



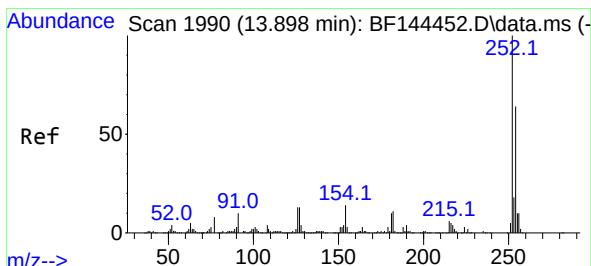
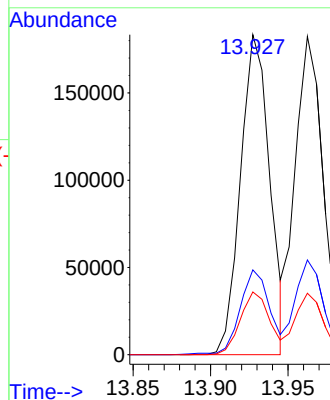
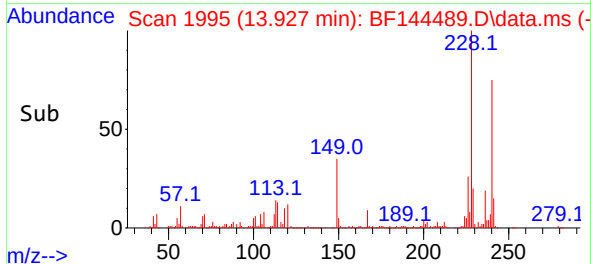


#81
Benzo(a)anthracene
Concen: 7.570 ng
RT: 13.927 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

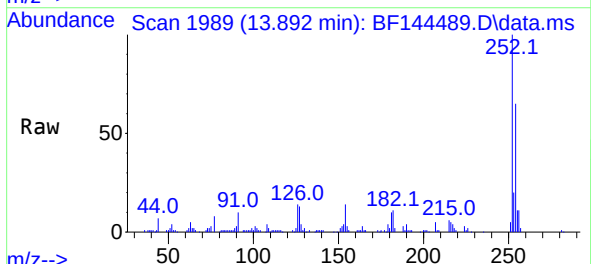
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025



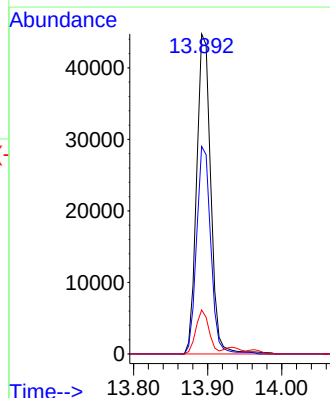
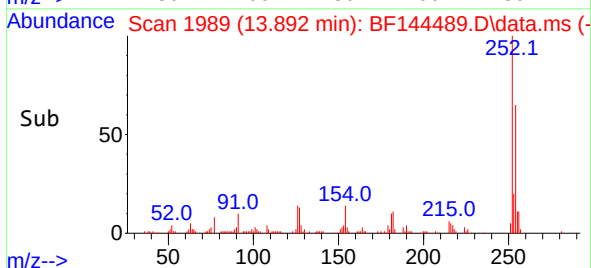
Tgt Ion:228 Resp: 240392
Ion Ratio Lower Upper
228 100
226 26.5 21.9 32.9
229 19.6 16.1 24.1

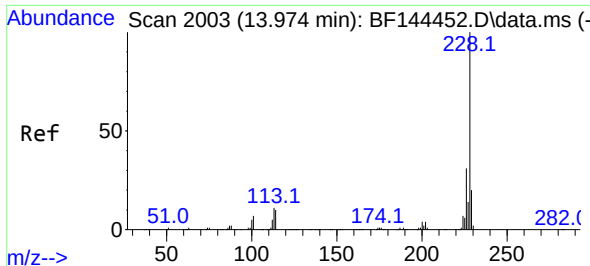


#82
3,3'-Dichlorobenzidine
Concen: 6.577 ng
RT: 13.892 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17



Tgt Ion:252 Resp: 59188
Ion Ratio Lower Upper
252 100
254 64.9 51.1 76.7
126 13.7 10.4 15.6

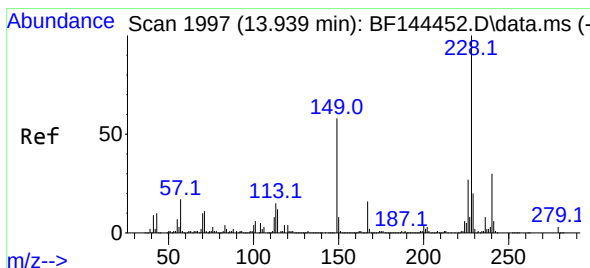
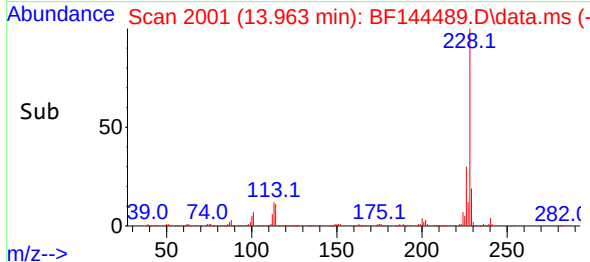
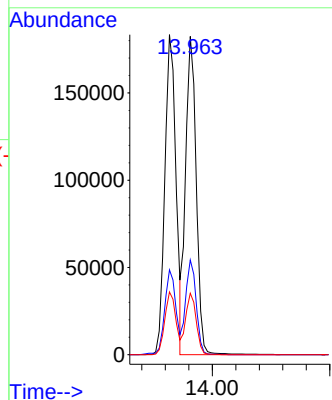
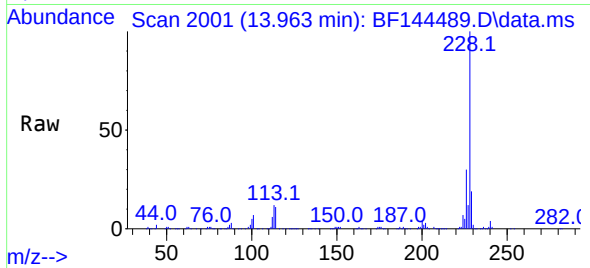




#83
Chrysene
Concen: 7.915 ng
RT: 13.963 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

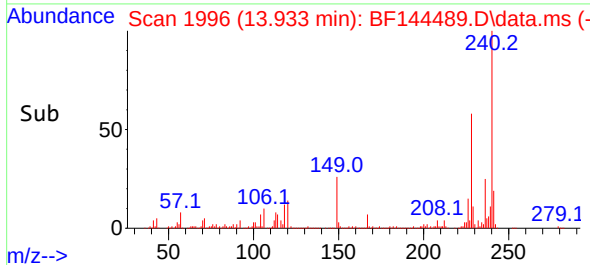
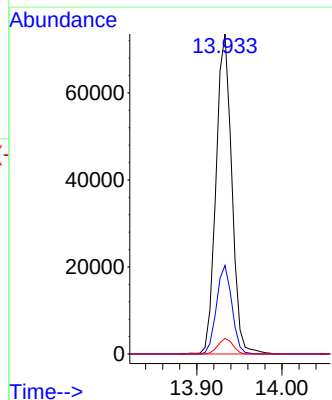
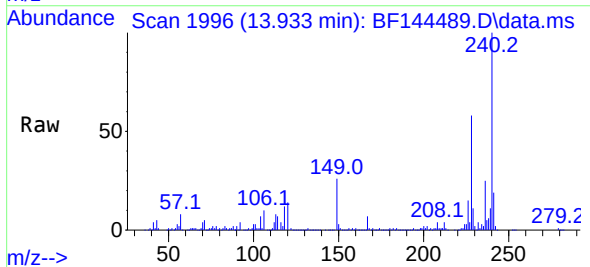
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2025

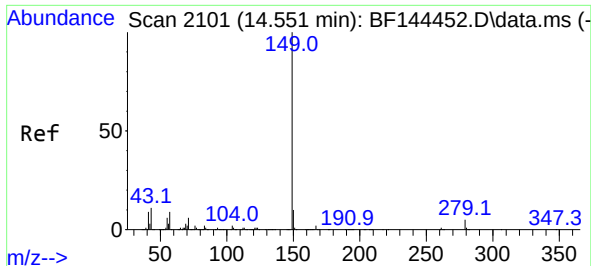
Tgt Ion:	228	Resp:	230049
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.3	36.5
229	19.3	15.8	23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.487 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:	149	Resp:	94512
Ion Ratio	Lower	Upper	
149	100		
167	27.6	22.6	34.0
279	4.8	3.7	5.5

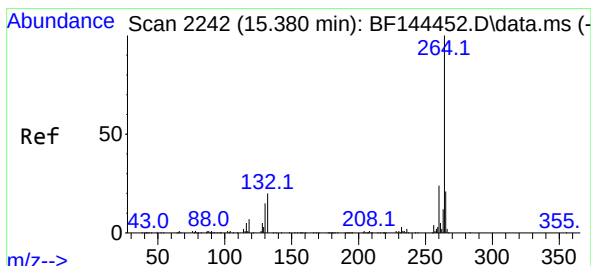
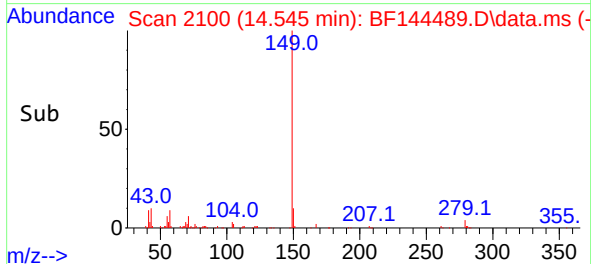
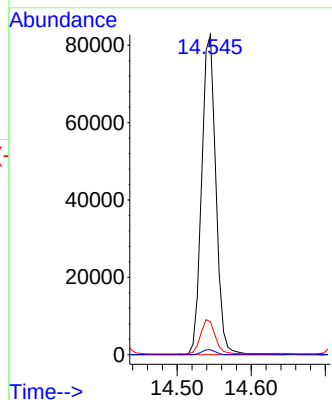
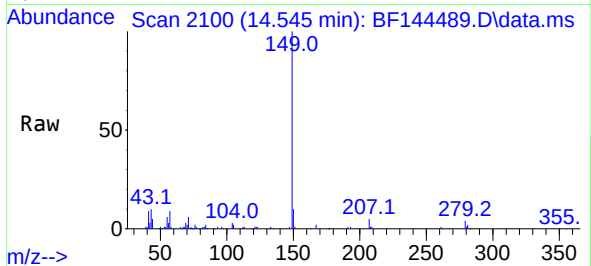




#85
Di-n-octyl phthalate
Concen: 10.389 ng
RT: 14.545 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

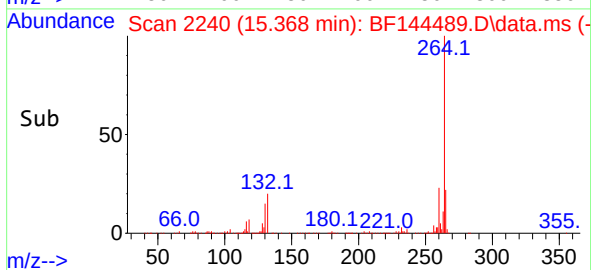
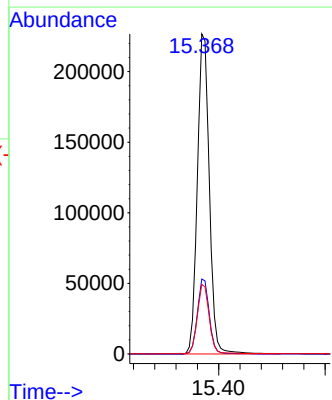
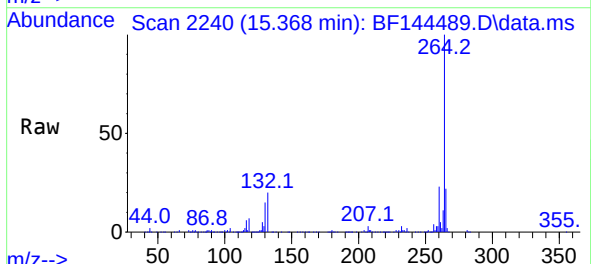
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2025

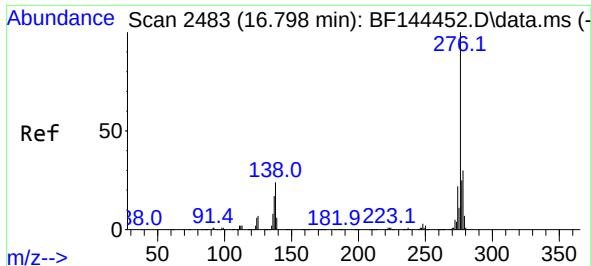
Tgt Ion:149 Resp: 110142
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.8 9.2 13.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.368 min Scan# 2240
Delta R.T. -0.012 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:264 Resp: 352408
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 21.7 17.1 25.7

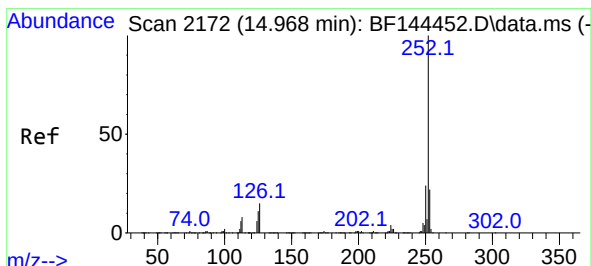
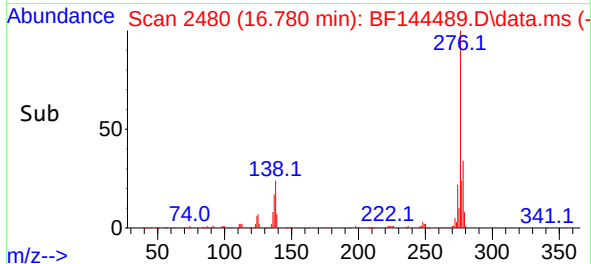
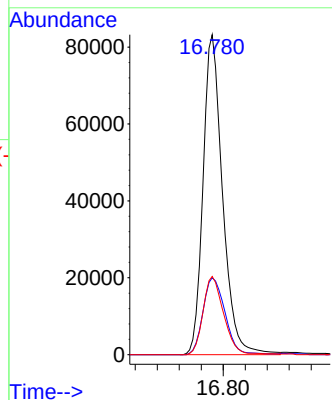
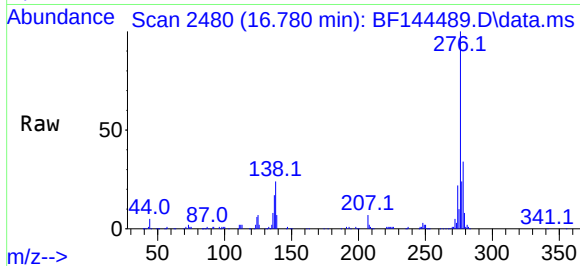




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.118 ng
 RT: 16.780 min Scan# 2483
 Delta R.T. -0.018 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

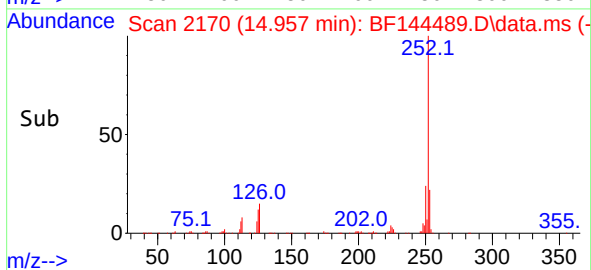
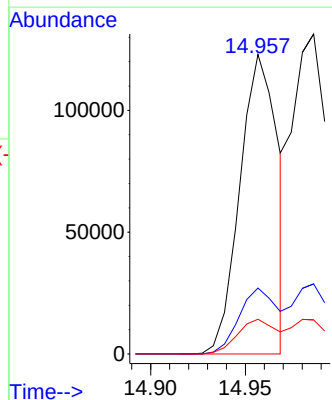
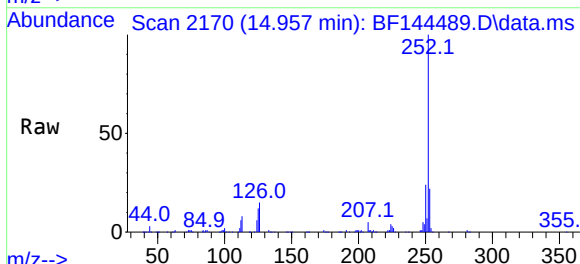
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

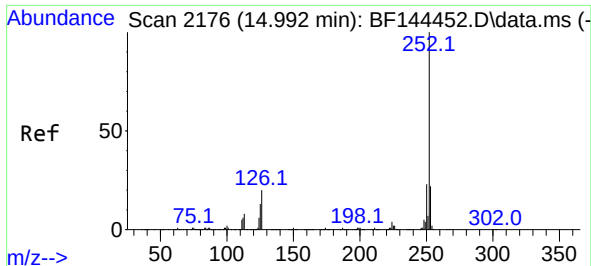
Tgt Ion:276 Resp: 205347
 Ion Ratio Lower Upper
 276 100
 138 27.1 21.9 32.9
 277 25.9 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 7.372 ng
 RT: 14.957 min Scan# 2170
 Delta R.T. -0.012 min
 Lab File: BF144489.D
 Acq: 16 Dec 2025 12:17

Tgt Ion:252 Resp: 170554
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.7 26.5
 125 11.6 9.0 13.4





#89

Benzo(k)fluoranthene

Concen: 8.485 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2025

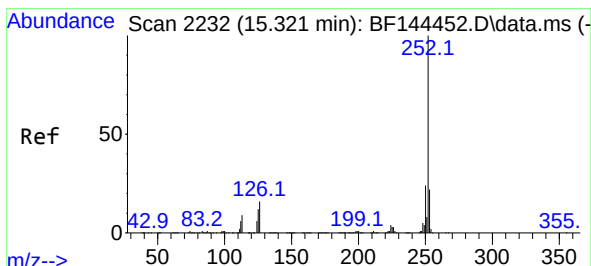
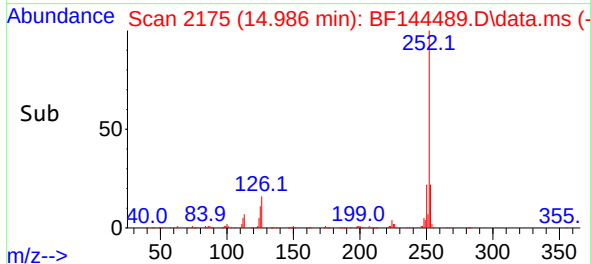
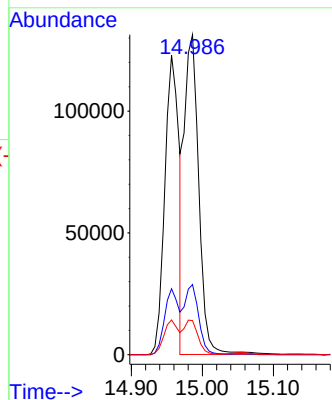
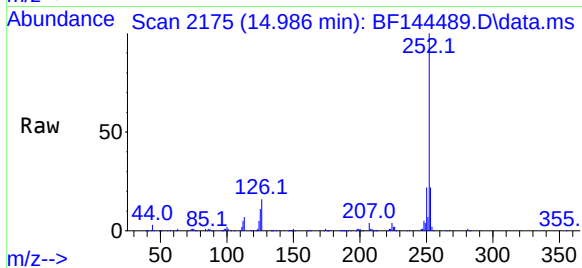
Tgt Ion:252 Resp: 185612

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 10.7 9.7 14.5



#90

Benzo(a)pyrene

Concen: 7.734 ng

RT: 15.310 min Scan# 2230

Delta R.T. -0.012 min

Lab File: BF144489.D

Acq: 16 Dec 2025 12:17

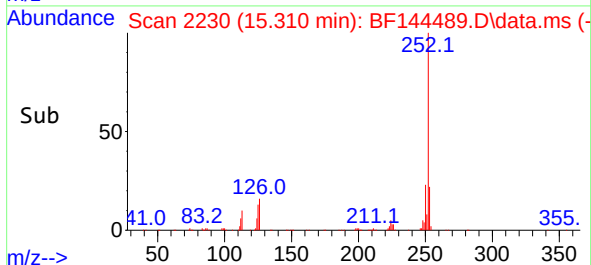
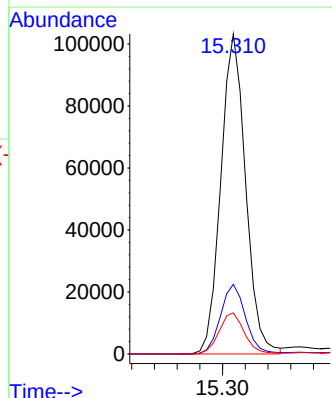
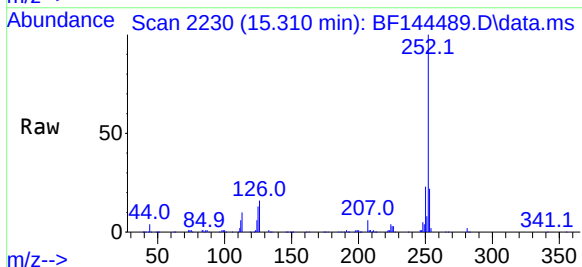
Tgt Ion:252 Resp: 156403

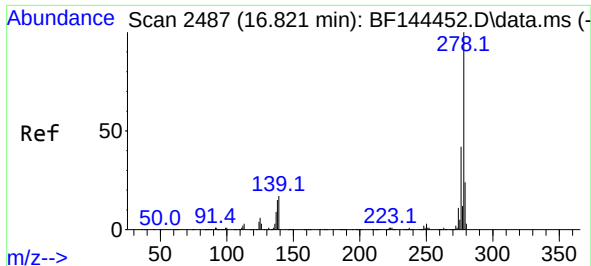
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 12.8 9.9 14.9

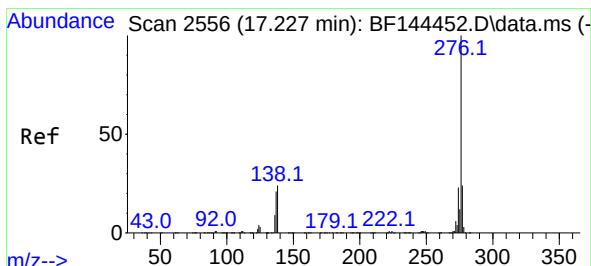
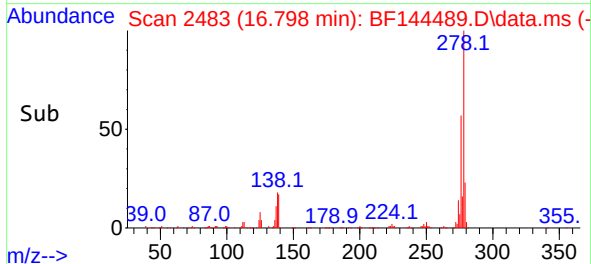
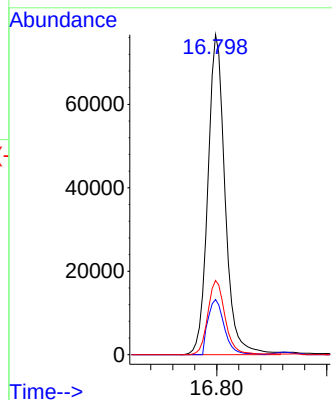
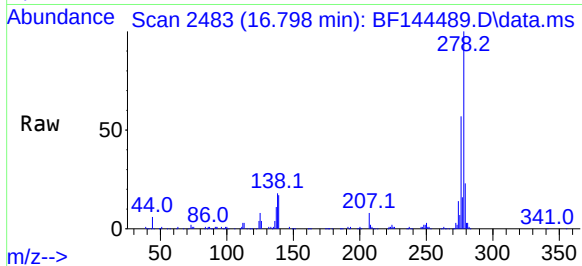




#91
Dibenzo(a,h)anthracene
Concen: 8.182 ng
RT: 16.798 min Scan# 2483
Delta R.T. -0.024 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

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

Tgt Ion:278 Resp: 167135
Ion Ratio Lower Upper
278 100
139 17.3 13.6 20.4
279 23.2 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 8.330 ng
RT: 17.203 min Scan# 2552
Delta R.T. -0.024 min
Lab File: BF144489.D
Acq: 16 Dec 2025 12:17

Tgt Ion:276 Resp: 173029
Ion Ratio Lower Upper
276 100
277 23.4 18.8 28.2
138 23.2 19.4 29.2

