

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144470.D
 Acq On : 15 Dec 2025 13:12
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOD-SOIL-4NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Dec 15 13:32:07 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	6.793	152	264563	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	1067346	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	578619	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	985264	20.000	ng	0.00
76) Chrysene-d12	13.939	240	798537	20.000	ng	0.00
86) Perylene-d12	15.374	264	615507	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1803149	102.766	ng	0.00
7) Phenol-d6	6.416	99	2332562	106.579	ng	0.00
23) Nitrobenzene-d5	7.357	82	1557140	91.294	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	657646	125.714	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2677437	70.986	ng	0.00
79) Terphenyl-d14	12.898	244	3169271	62.660	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	28466	3.374	ng	97
3) Pyridine	3.287	79	74460	3.209	ng	98
4) n-Nitrosodimethylamine	3.158	42	35526	3.524	ng	# 96
6) Aniline	6.457	93	119006	3.898	ng	98
8) 2-Chlorophenol	6.575	128	74026	3.935	ng	# 76
9) Benzaldehyde	6.346	77	61478	3.588	ng	96
10) Phenol	6.434	94	96505	3.736	ng	79
11) bis(2-Chloroethyl)ether	6.528	93	73476	3.892	ng	99
12) 1,3-Dichlorobenzene	6.734	146	82342	4.051	ng	99
13) 1,4-Dichlorobenzene	6.810	146	82098	4.026	ng	99
14) 1,2-Dichlorobenzene	6.963	146	77210	3.987	ng	98
15) Benzyl Alcohol	6.928	79	61132	3.790	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	114474	3.593	ng	99
17) 2-Methylphenol	7.034	107	59406	3.746	ng	98
18) Hexachloroethane	7.310	117	26511	3.741	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	53281	3.854	ng	99
20) 3+4-Methylphenols	7.187	107	78394	4.024	ng	# 88
22) Acetophenone	7.198	105	108194	4.087	ng	95
24) Nitrobenzene	7.375	77	83105	4.491	ng	99
25) Isophorone	7.610	82	140315	3.645	ng	98
26) 2-Nitrophenol	7.687	139	25431	6.896	ng	98
27) 2,4-Dimethylphenol	7.722	122	65680	3.576	ng	95
28) bis(2-Chloroethoxy)met...	7.822	93	89463	3.772	ng	99
29) 2,4-Dichlorophenol	7.922	162	58507	3.834	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	68035	4.110	ng	98
31) Naphthalene	8.092	128	227015	3.952	ng	99
32) Benzoic acid	7.757	122	18349	7.981	ng	96
33) 4-Chloroaniline	8.140	127	91390	3.958	ng	98
34) Hexachlorobutadiene	8.216	225	39328	3.843	ng	98
35) Caprolactam	8.463	113	17022	3.378	ng	97
36) 4-Chloro-3-methylphenol	8.610	107	60871	3.674	ng	98
37) 2-Methylnaphthalene	8.787	142	133851	3.541	ng	99
38) 1-Methylnaphthalene	8.887	142	142721	3.878	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	67932	4.125	ng	97
41) Hexachlorocyclopentadiene	8.939	237	26684	2.738	ng	100
43) 2,4,6-Trichlorophenol	9.057	196	39097	3.739	ng	99

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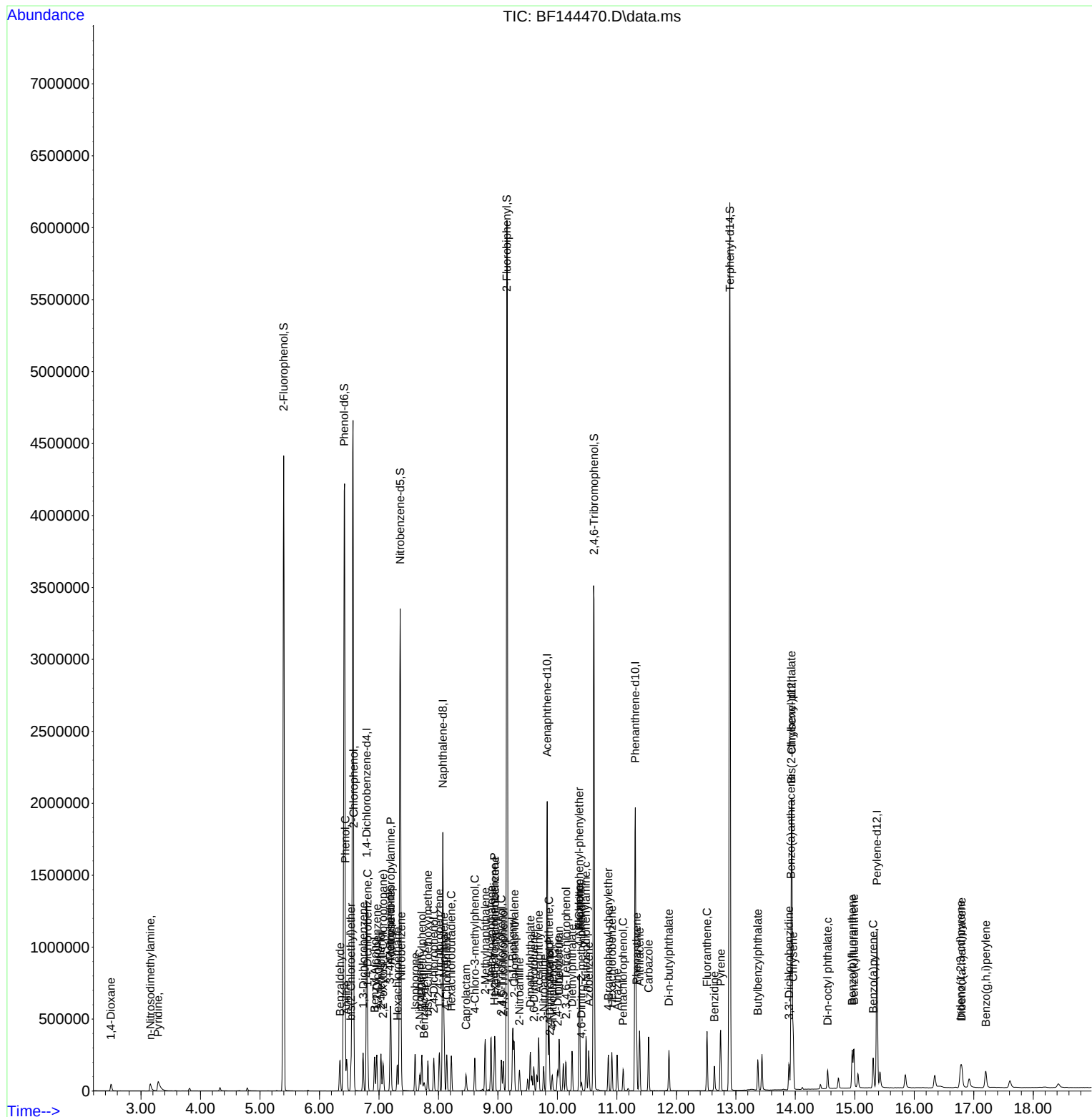
Quant Time: Dec 15 13:32:07 2025
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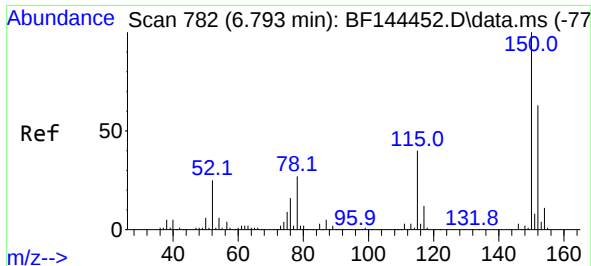
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.092	196	41822	3.810	ng	97
46) 1,1'-Biphenyl	9.251	154	189961	4.201	ng	97
47) 2-Chloronaphthalene	9.275	162	138129	4.001	ng	97
48) 2-Nitroaniline	9.363	65	30267	6.458	ng	98
49) Acenaphthylene	9.687	152	215901	3.948	ng	98
50) Dimethylphthalate	9.545	163	149140	3.816	ng	99
51) 2,6-Dinitrotoluene	9.604	165	26345	7.287	ng	97
52) Acenaphthene	9.857	154	135704	3.980	ng	100
53) 3-Nitroaniline	9.769	138	31361	6.361	ng	# 95
54) 2,4-Dinitrophenol	9.875	184	5689	8.671	ng	# 36
55) Dibenzofuran	10.028	168	195363	4.026	ng	97
56) 4-Nitrophenol	9.916	139	21613	3.247	ng	96
57) 2,4-Dinitrotoluene	10.004	165	30795	6.781	ng	96
58) Fluorene	10.369	166	153829	4.187	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	35389	4.248	ng	97
60) Diethylphthalate	10.245	149	139587	3.768	ng	98
61) 4-Chlorophenyl-phenyle...	10.369	204	73317	4.067	ng	100
62) 4-Nitroaniline	10.375	138	30287	5.835	ng	99
63) Azobenzene	10.528	77	145397	3.714	ng	98
65) 4,6-Dinitro-2-methylph...	10.404	198	9088	8.672	ng	82
66) n-Nitrosodiphenylamine	10.481	169	128422	3.803	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	42266	3.675	ng	98
68) Hexachlorobenzene	10.916	284	48618	3.829	ng	97
69) Atrazine	11.004	200	39003	3.688	ng	99
70) Pentachlorophenol	11.104	266	23298	3.217	ng	97
71) Phenanthrene	11.333	178	227327	4.002	ng	98
72) Anthracene	11.381	178	224411	3.904	ng	98
73) Carbazole	11.533	167	202475	4.057	ng	98
74) Di-n-butylphthalate	11.875	149	193709	3.631	ng	99
75) Fluoranthene	12.516	202	227616	4.058	ng	99
77) Benzidine	12.639	184	89353	3.143	ng	98
78) Pyrene	12.745	202	239560	3.274	ng	99
80) Butylbenzylphthalate	13.369	149	63487	5.702	ng	100
81) Benzo(a)anthracene	13.927	228	199434	3.546	ng	98
82) 3,3'-Dichlorobenzidine	13.892	252	51049	3.204	ng	99
83) Chrysene	13.963	228	196419	3.817	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	75581	5.427	ng	99
85) Di-n-octyl phthalate	14.545	149	84522	8.187	ng	99
87) Indeno(1,2,3-cd)pyrene	16.780	276	126383	2.861	ng	99
88) Benzo(b)fluoranthene	14.957	252	144871	3.585	ng	100
89) Benzo(k)fluoranthene	14.986	252	151961	3.977	ng	99
90) Benzo(a)pyrene	15.310	252	124565	3.527	ng	100
91) Dibenzo(a,h)anthracene	16.798	278	101756	2.852	ng	98
92) Benzo(g,h,i)perylene	17.204	276	104623	2.884	ng	99

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

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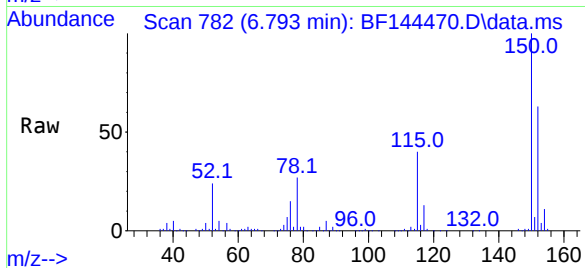
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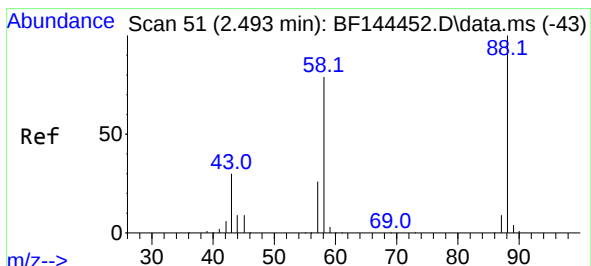
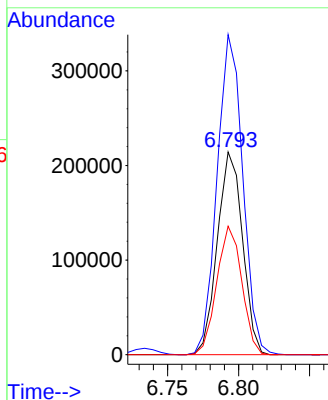
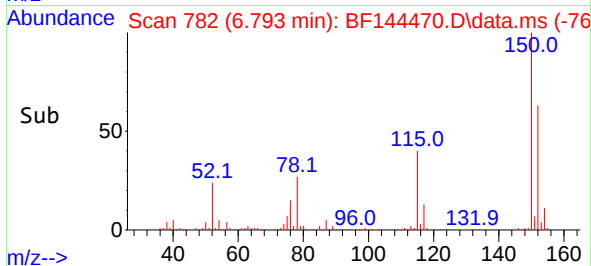


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144470.D
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ClientSampleId :
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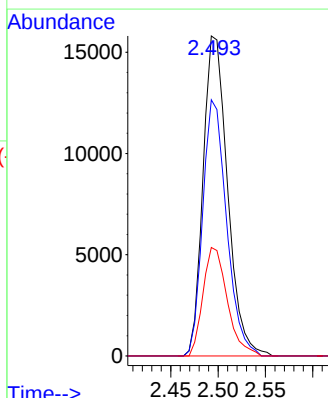
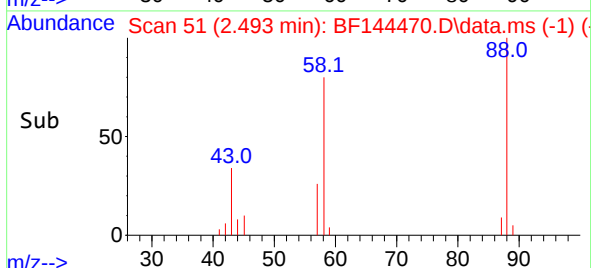
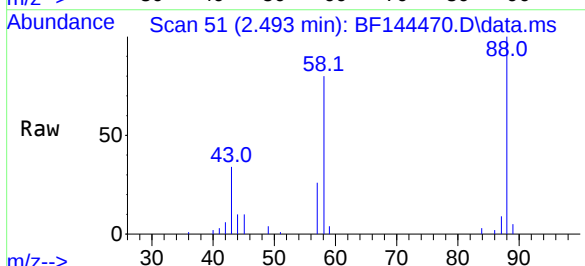


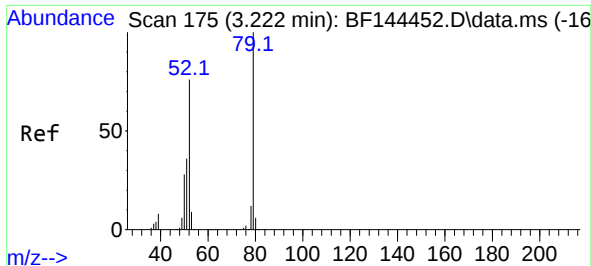
Tgt Ion:152 Resp: 264563
Ion Ratio Lower Upper
152 100
150 157.8 127.4 191.2
115 63.4 51.4 77.0



#2
1,4-Dioxane
Concen: 3.374 ng
RT: 2.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

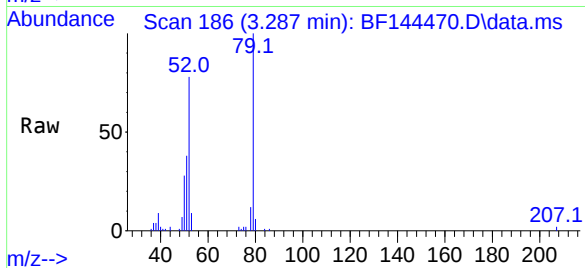
Tgt Ion: 88 Resp: 28466
Ion Ratio Lower Upper
88 100
58 77.9 63.9 95.9
43 33.6 24.2 36.4



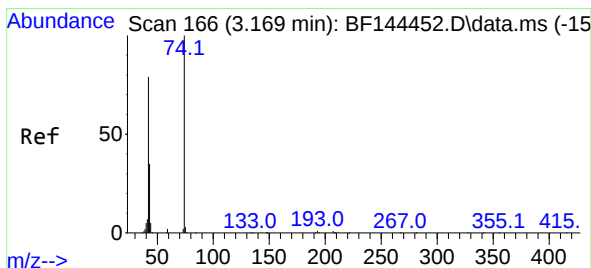
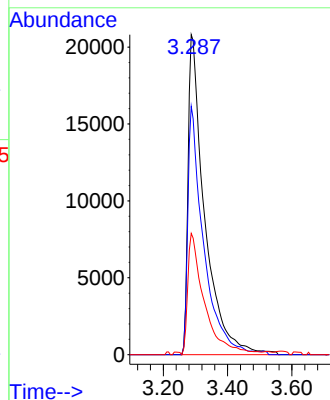
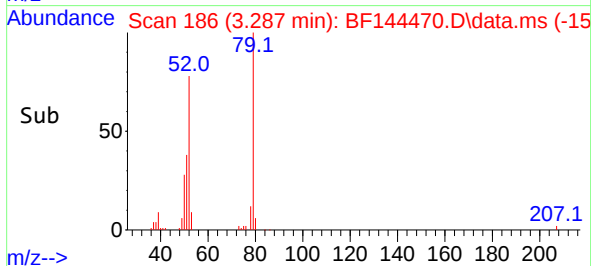


#3
Pyridine
Concen: 3.209 ng
RT: 3.287 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

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BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

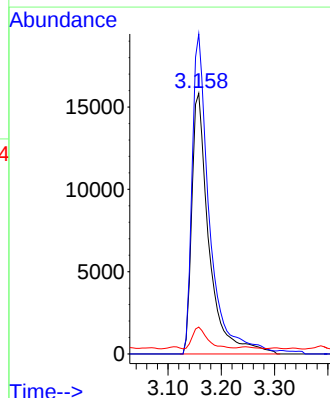
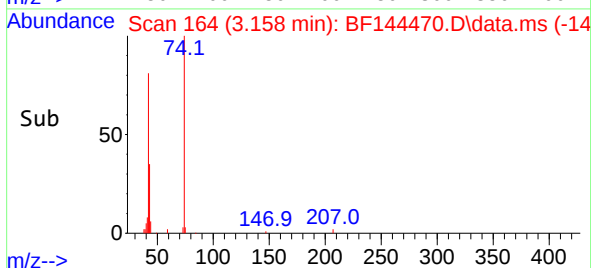
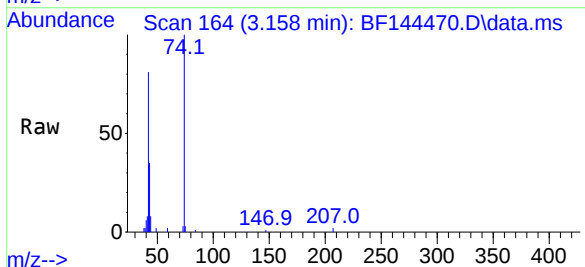


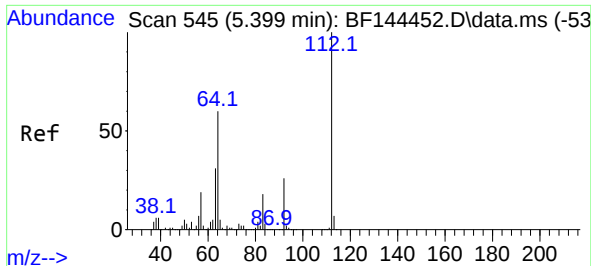
Tgt Ion: 79 Resp: 74460
Ion Ratio Lower Upper
79 100
52 77.6 60.5 90.7
51 37.9 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 3.524 ng
RT: 3.158 min Scan# 164
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 42 Resp: 35526
Ion Ratio Lower Upper
42 100
74 122.8 101.8 152.8
44 10.3 5.7 8.5#

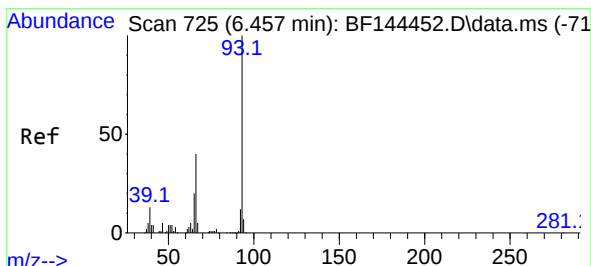
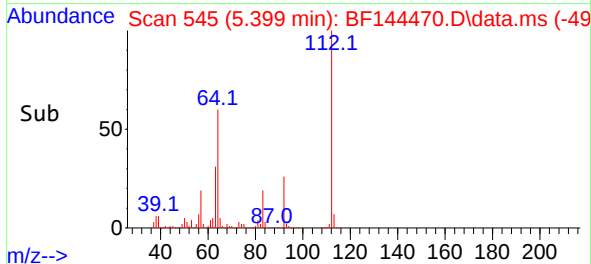
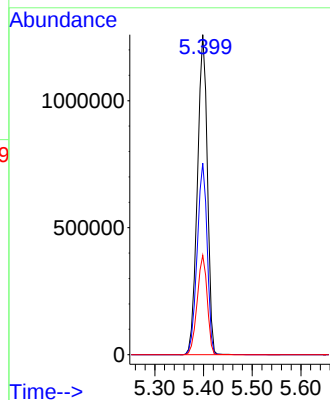
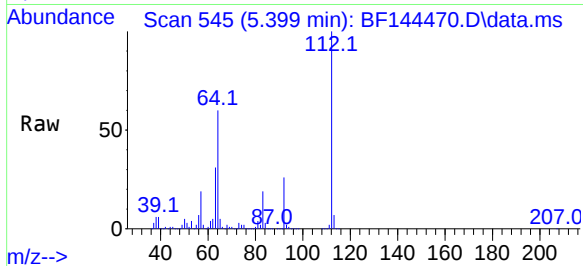




#5
2-Fluorophenol
Concen: 102.766 ng
RT: 5.399 min Scan# 54
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

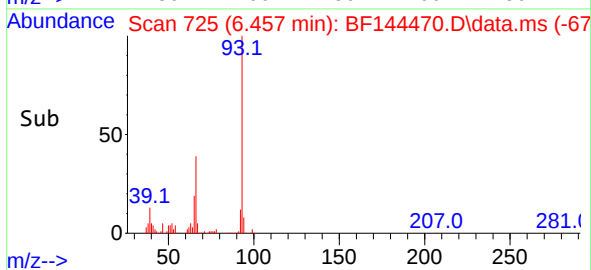
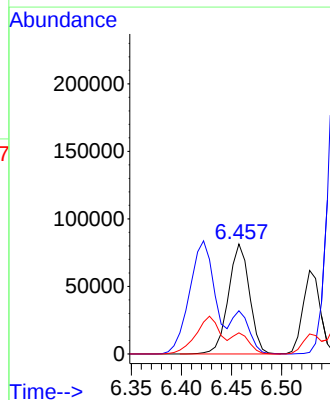
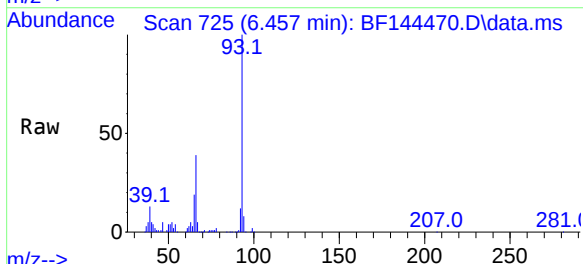
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ClientSampleId :
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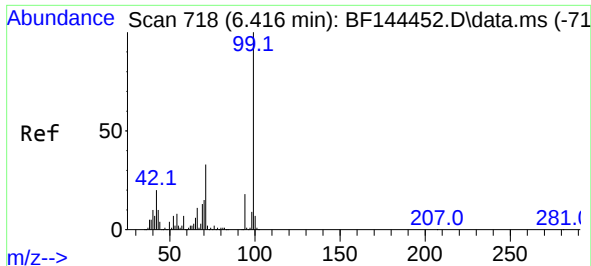
Tgt Ion:112 Resp: 1803149
Ion Ratio Lower Upper
112 100
64 59.9 47.8 71.6
63 31.0 24.6 37.0



#6
Aniline
Concen: 3.898 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 93 Resp: 119006
Ion Ratio Lower Upper
93 100
66 39.4 32.4 48.6
65 19.3 16.1 24.1

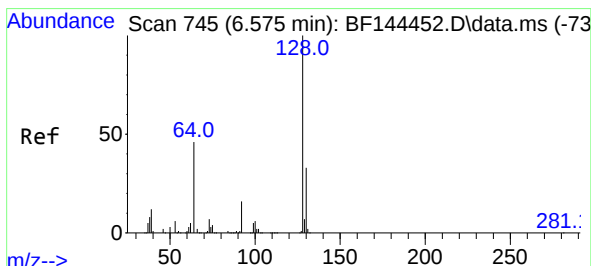
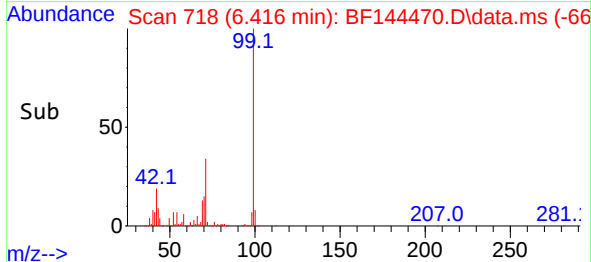
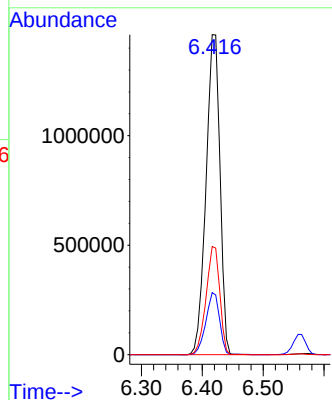
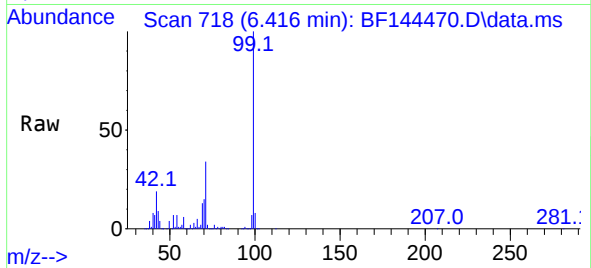




#7
Phenol-d6
Concen: 106.579 ng
RT: 6.416 min Scan# 718
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

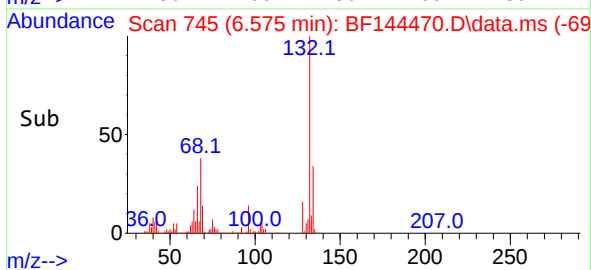
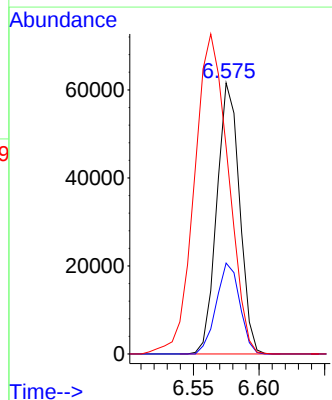
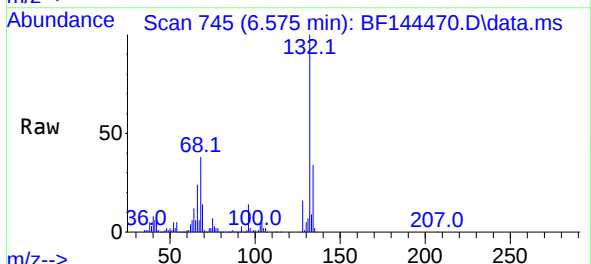
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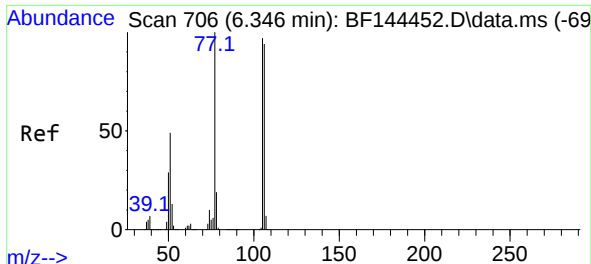
Tgt Ion: 99 Resp: 2332562
Ion Ratio Lower Upper
99 100
42 19.4 15.7 23.5
71 33.8 26.4 39.6



#8
2-Chlorophenol
Concen: 3.935 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:128 Resp: 74026
Ion Ratio Lower Upper
128 100
130 33.5 13.0 53.0
64 76.3 28.9 68.9#

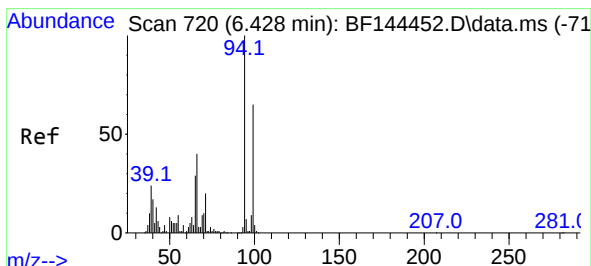
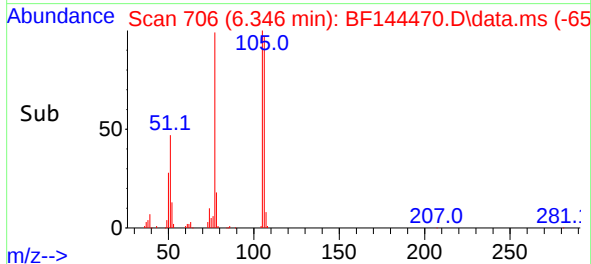
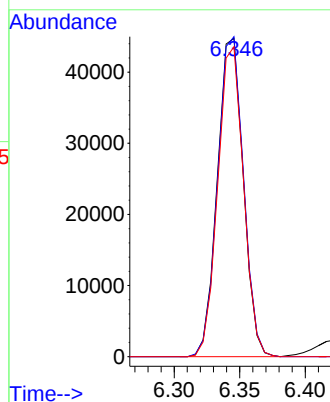
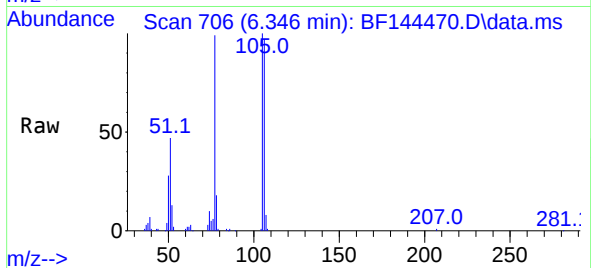




#9
Benzaldehyde
Concen: 3.588 ng
RT: 6.346 min Scan# 706
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

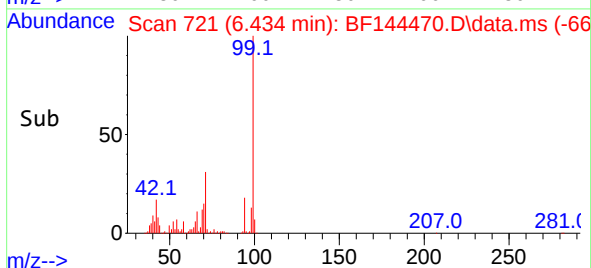
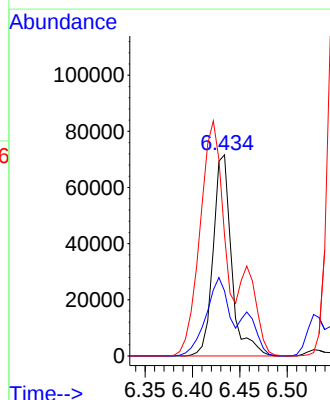
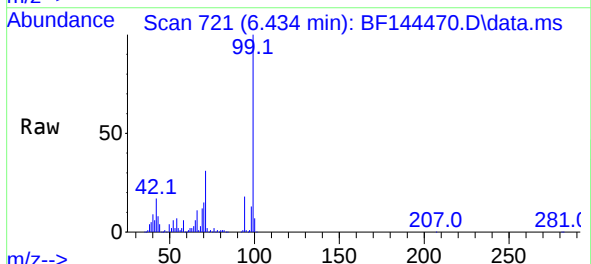
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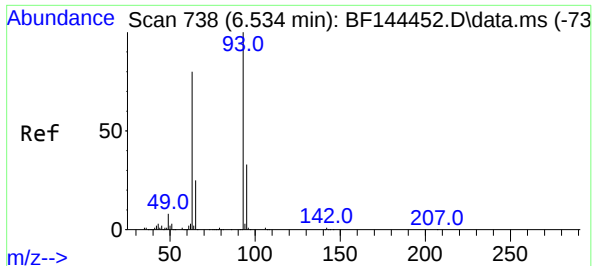
Tgt Ion: 77 Resp: 61478
Ion Ratio Lower Upper
77 100
105 100.6 77.0 117.0
106 97.4 74.1 114.1



#10
Phenol
Concen: 3.736 ng
RT: 6.434 min Scan# 721
Delta R.T. 0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 94 Resp: 96505
Ion Ratio Lower Upper
94 100
65 32.3 9.1 49.1
66 60.0 20.3 60.3

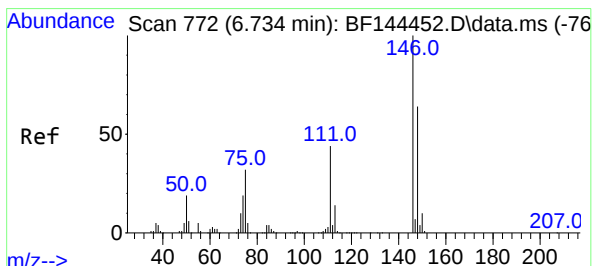
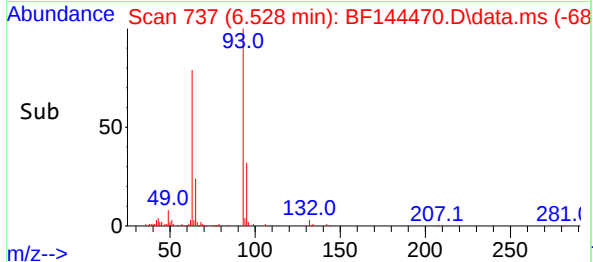
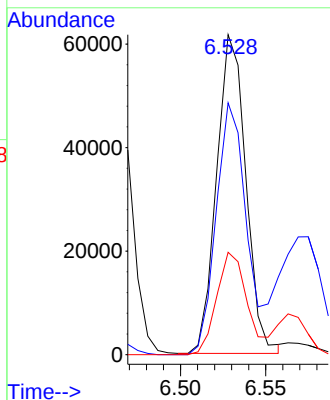
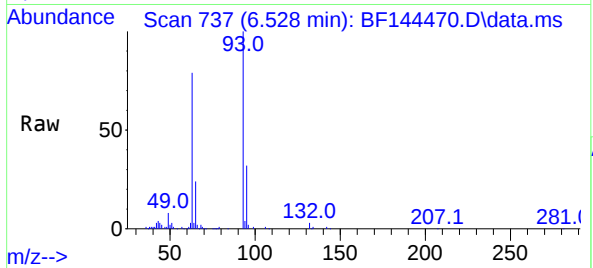




#11
bis(2-Chloroethyl)ether
Concen: 3.892 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

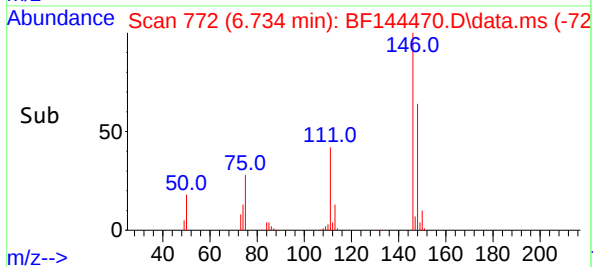
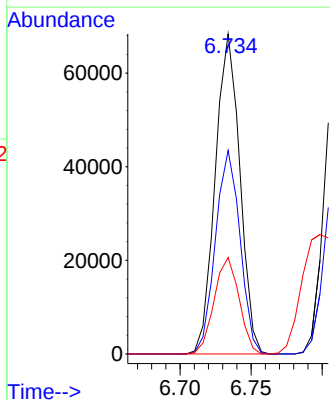
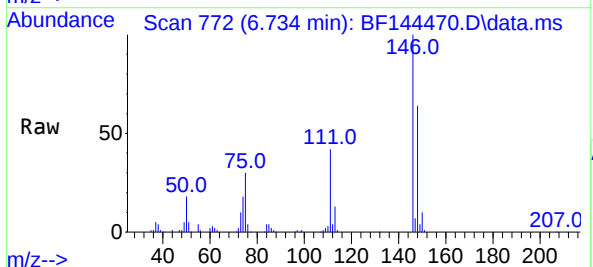
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

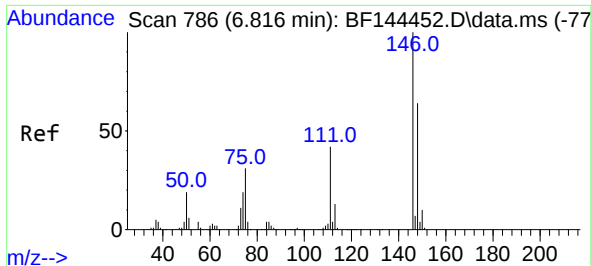
Tgt Ion: 93 Resp: 73476
Ion Ratio Lower Upper
93 100
63 78.7 59.8 99.8
95 32.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 4.051 ng
RT: 6.734 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:146 Resp: 82342
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.6
75 30.1 25.8 38.8

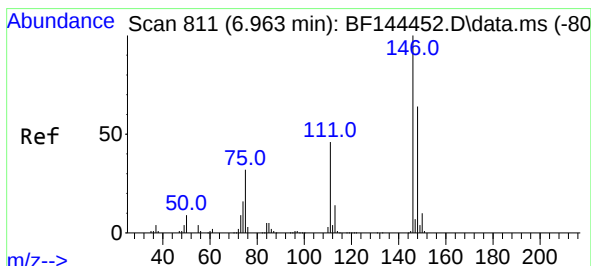
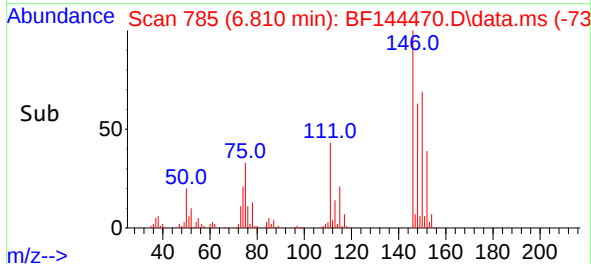
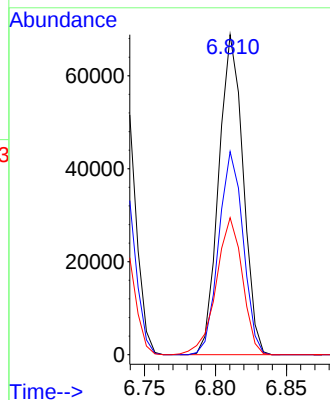
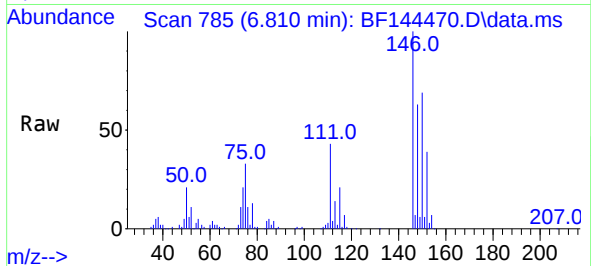




#13
1,4-Dichlorobenzene
Concen: 4.026 ng
RT: 6.810 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

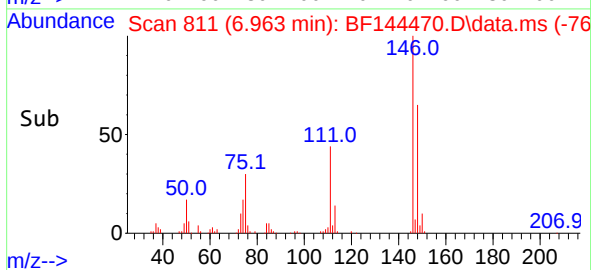
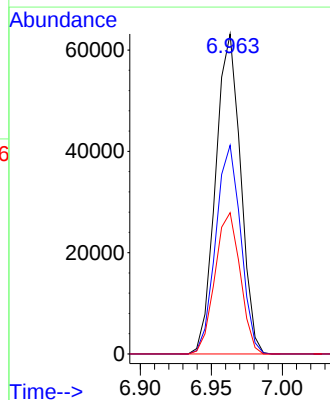
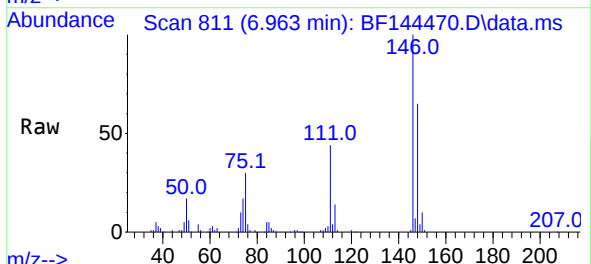
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

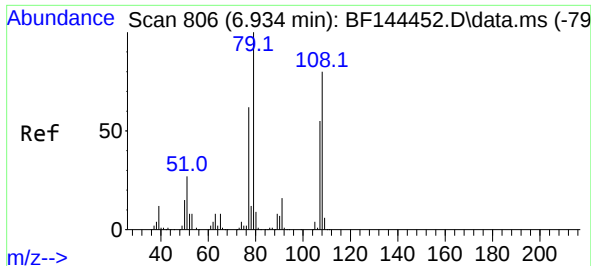
Tgt Ion:146 Resp: 82098
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.2
111 42.8 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 3.987 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:146 Resp: 77210
Ion Ratio Lower Upper
146 100
148 65.2 51.4 77.2
111 44.2 36.5 54.7

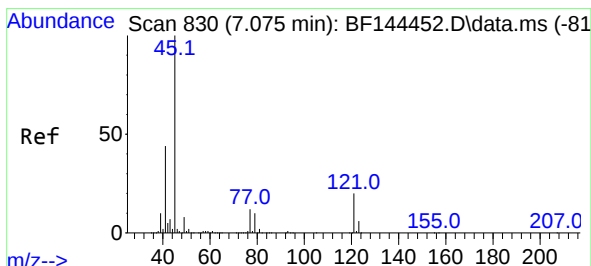
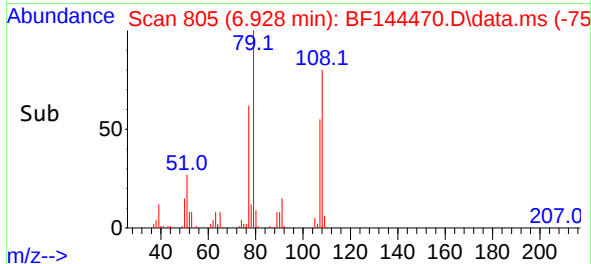
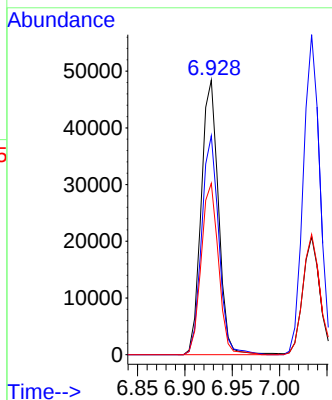
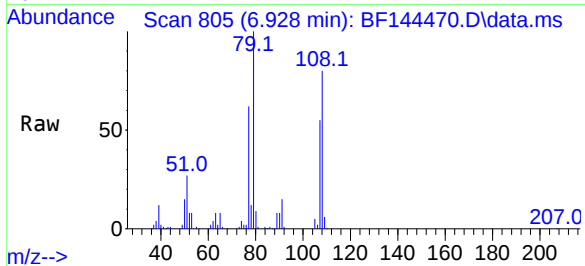




#15
Benzyl Alcohol
Concen: 3.790 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

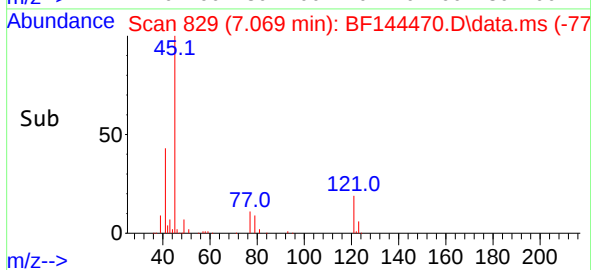
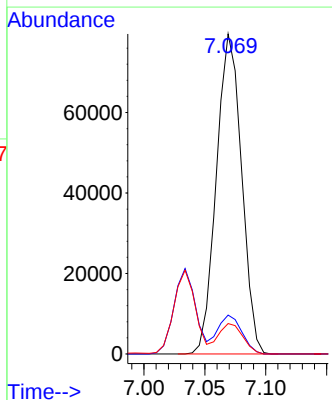
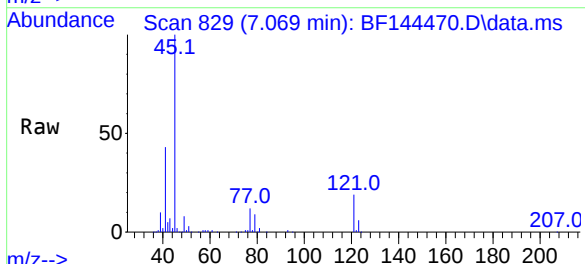
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

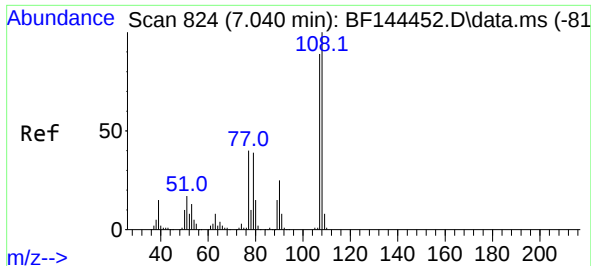
Tgt Ion: 79 Resp: 61132
Ion Ratio Lower Upper
79 100
108 79.7 63.7 95.5
77 62.4 49.3 73.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.593 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 45 Resp: 114474
Ion Ratio Lower Upper
45 100
77 12.1 0.0 32.6
79 9.5 0.0 29.9





#17

2-Methylphenol

Concen: 3.746 ng

RT: 7.034 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF144470.D

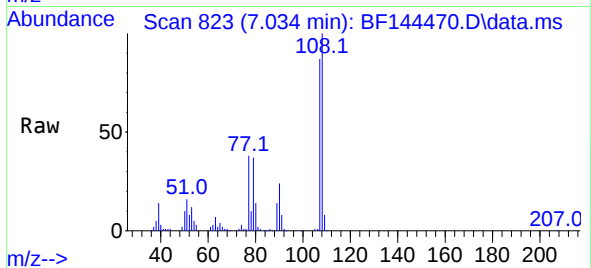
Acq: 15 Dec 2025 13:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:107 Resp: 59406

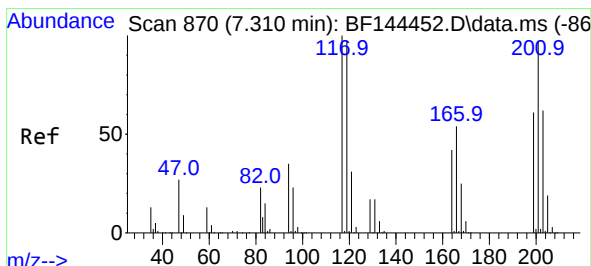
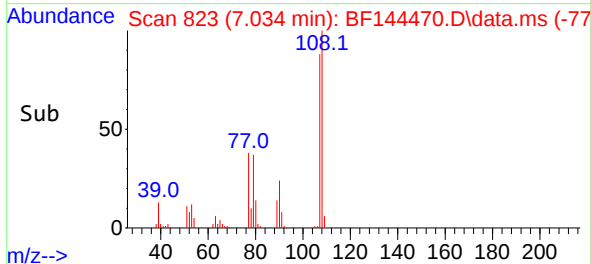
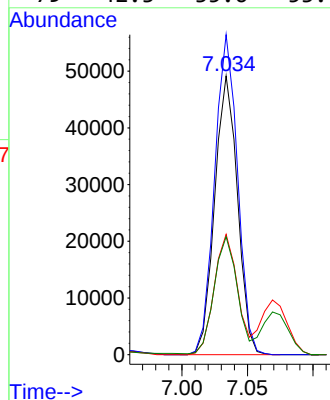
Ion Ratio Lower Upper

107 100

108 114.8 89.9 134.9

77 43.2 35.7 53.5

79 42.3 35.6 53.4



#18

Hexachloroethane

Concen: 3.741 ng

RT: 7.310 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF144470.D

Acq: 15 Dec 2025 13:12

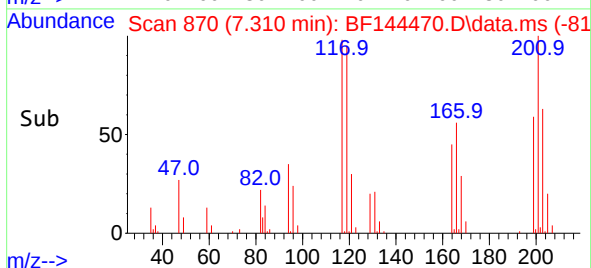
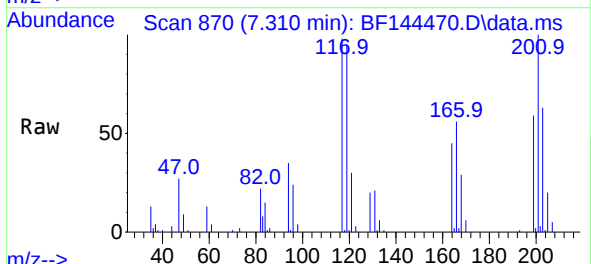
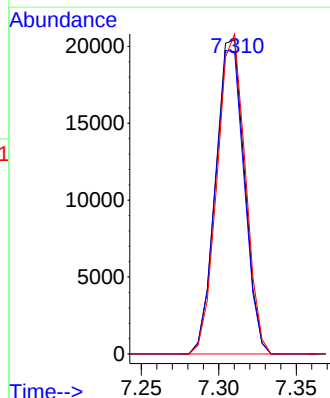
Tgt Ion:117 Resp: 26511

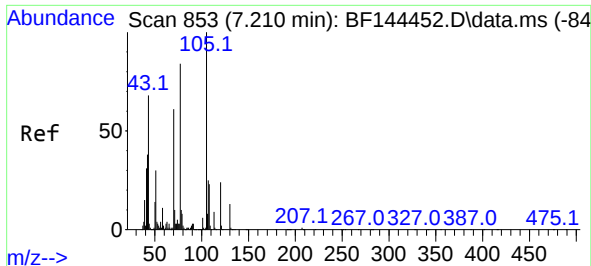
Ion Ratio Lower Upper

117 100

119 96.3 77.5 116.3

201 101.9 77.3 115.9



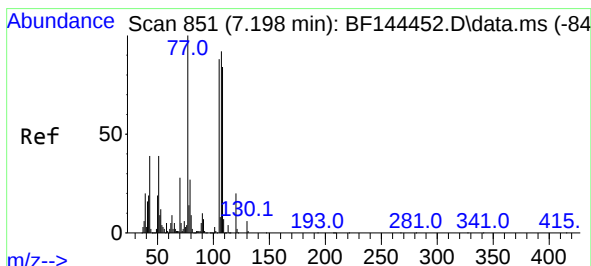
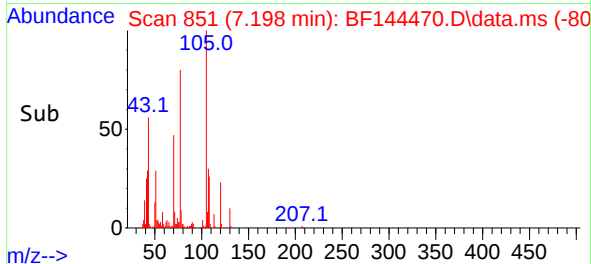
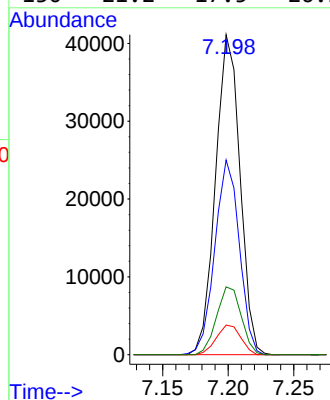
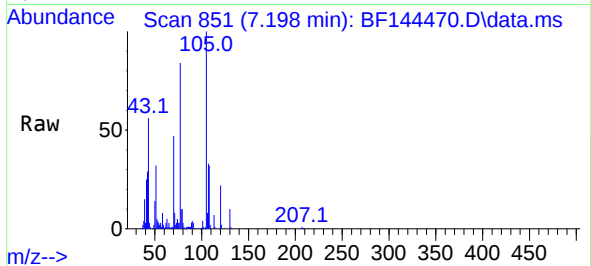


#19
n-Nitroso-di-n-propylamine
Concen: 3.854 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 70 Resp: 53281

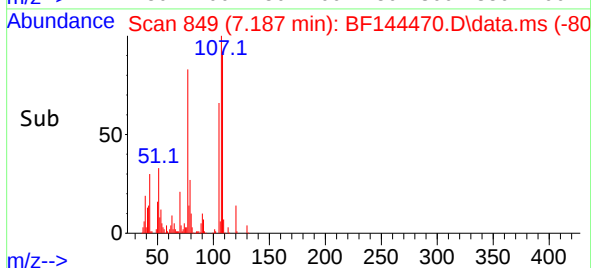
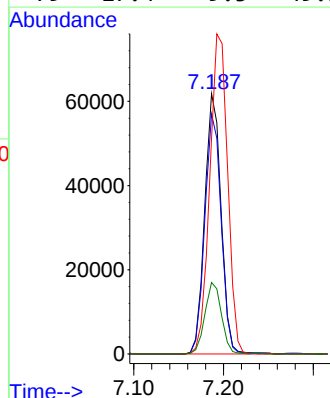
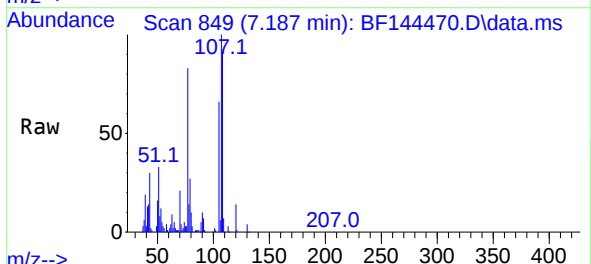
Ion	Ratio	Lower	Upper
70	100		
42	60.8	49.4	74.0
101	9.3	7.8	11.6
130	21.2	17.5	26.3

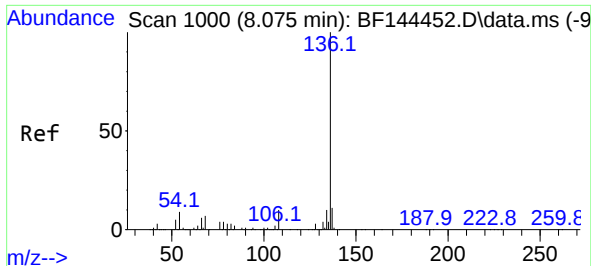


#20
3+4-Methylphenols
Concen: 4.024 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 107 Resp: 78394

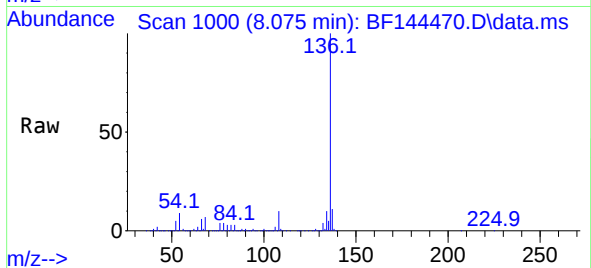
Ion	Ratio	Lower	Upper
107	100		
108	92.2	71.5	111.5
77	82.9	88.5	128.5#
79	27.4	9.3	49.3



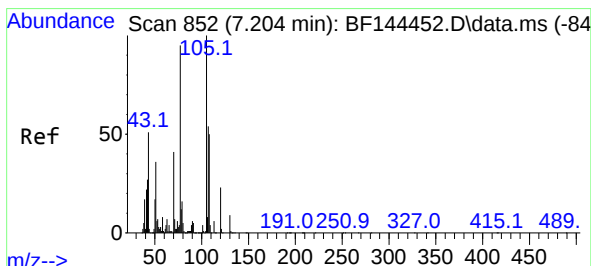
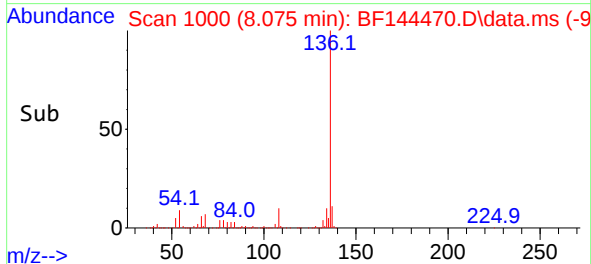
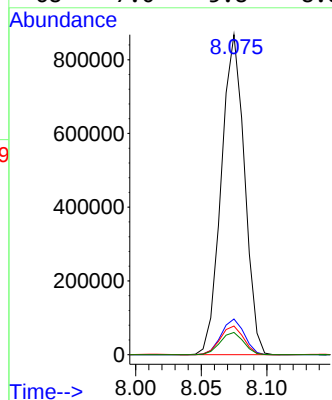


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

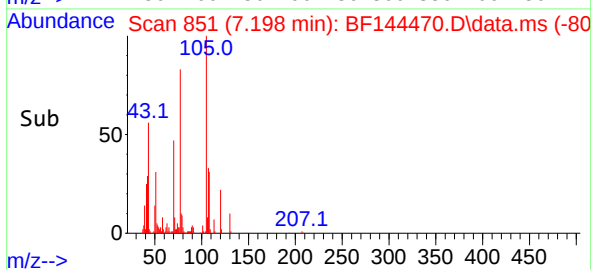
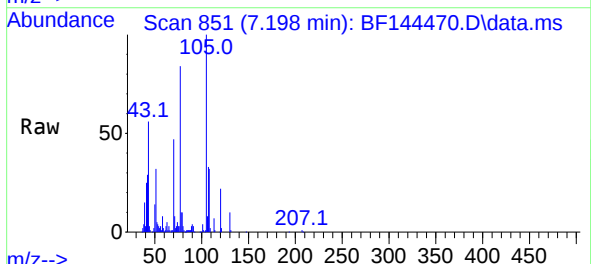
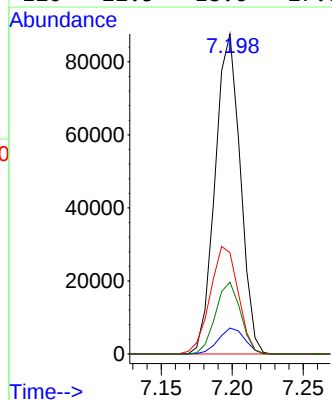


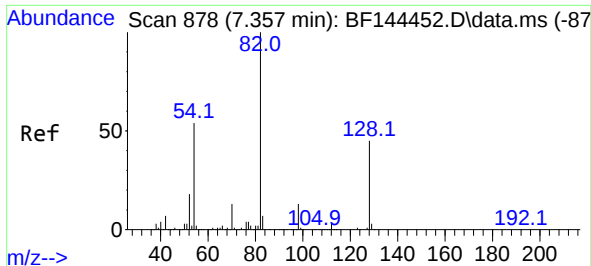
Tgt Ion:136 Resp: 1067346
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.0 7.5 11.3
68 7.0 5.8 8.8



#22
Acetophenone
Concen: 4.087 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:105 Resp: 108194
Ion Ratio Lower Upper
105 100
71 8.1 5.6 8.4
51 31.7 28.6 42.8
120 22.5 18.6 27.8

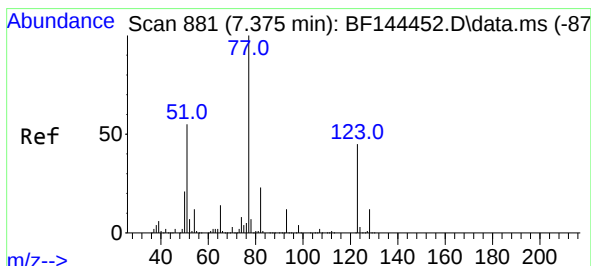
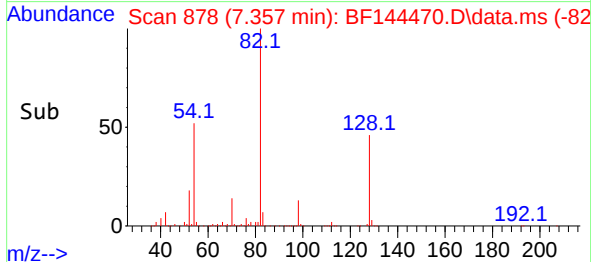
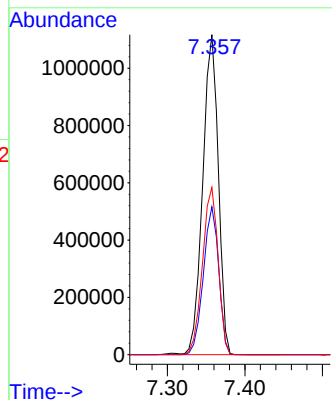
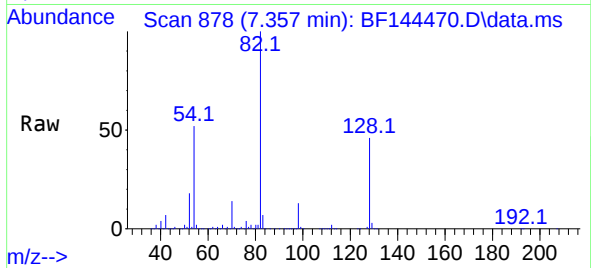




#23
Nitrobenzene-d5
Concen: 91.294 ng
RT: 7.357 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

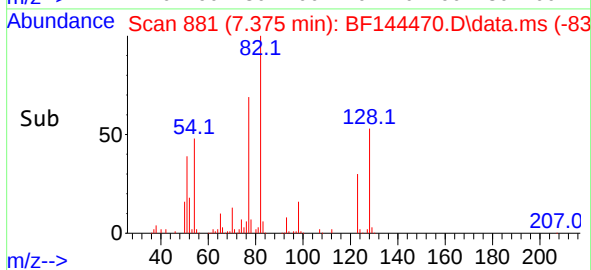
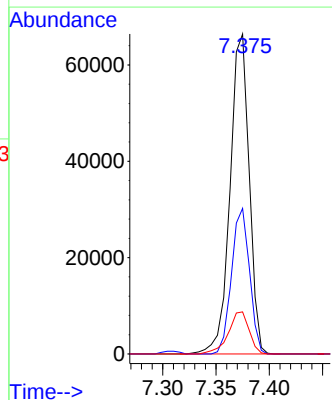
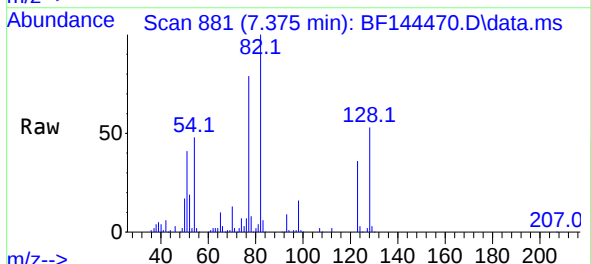
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

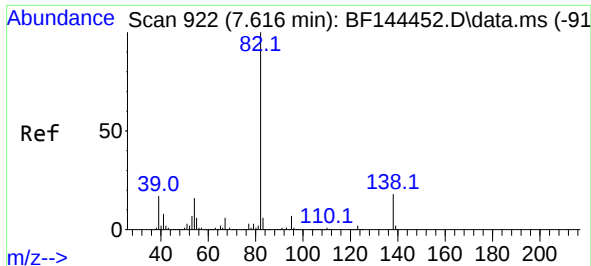
Tgt Ion: 82 Resp: 1557140
Ion Ratio Lower Upper
82 100
128 46.2 35.5 53.3
54 52.2 43.3 64.9



#24
Nitrobenzene
Concen: 4.491 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 77 Resp: 83105
Ion Ratio Lower Upper
77 100
123 45.5 36.2 54.2
65 13.2 11.0 16.6

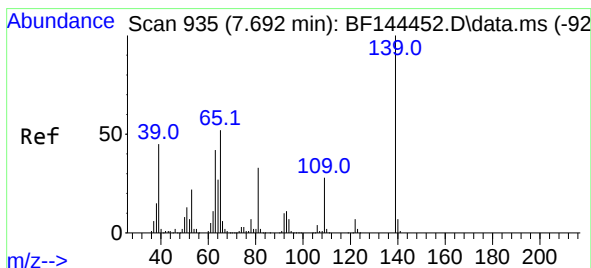
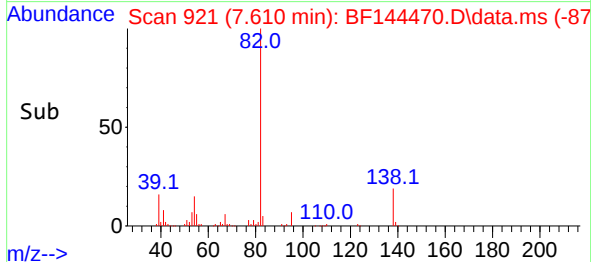
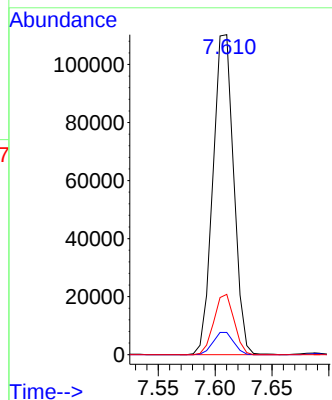
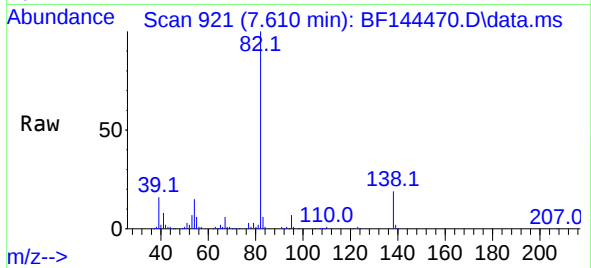




#25
Isophorone
Concen: 3.645 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

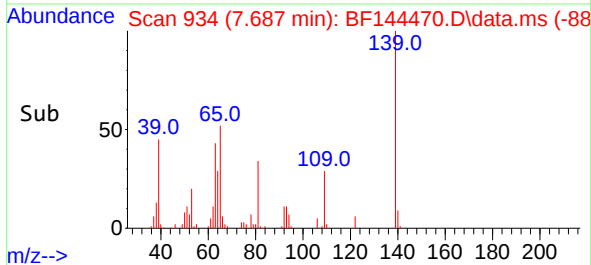
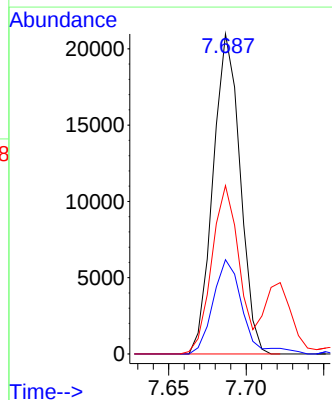
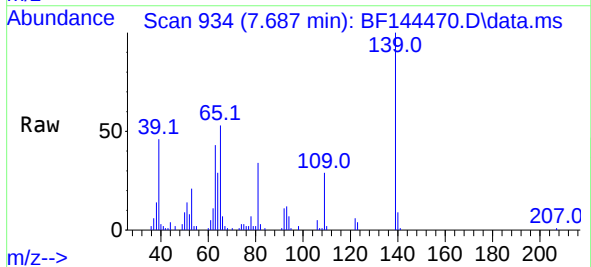
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

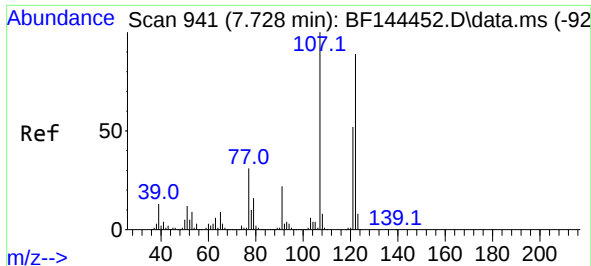
Tgt Ion: 82 Resp: 140315
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 18.8 14.4 21.6



#26
2-Nitrophenol
Concen: 6.896 ng
RT: 7.687 min Scan# 934
Delta R.T. -0.005 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:139 Resp: 25431
Ion Ratio Lower Upper
139 100
109 29.4 22.1 33.1
65 52.6 41.5 62.3

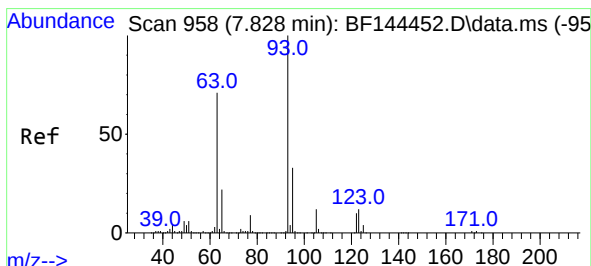
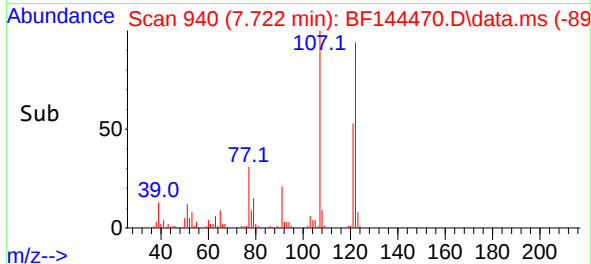
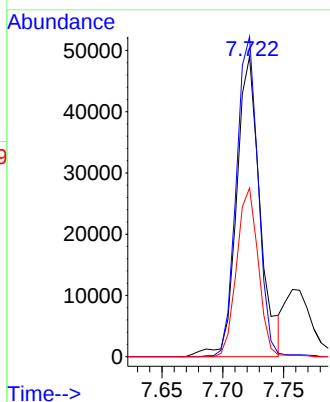
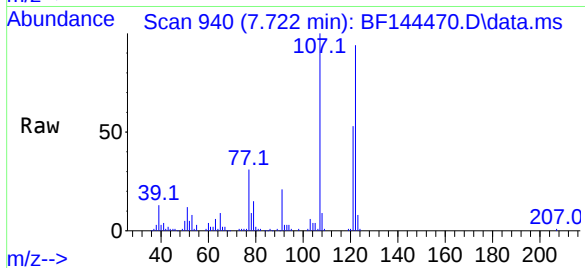




#27
2,4-Dimethylphenol
Concen: 3.576 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

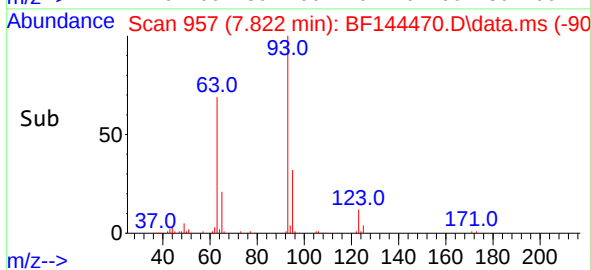
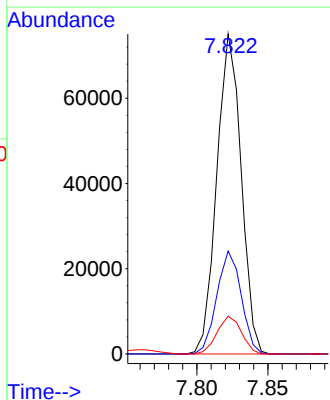
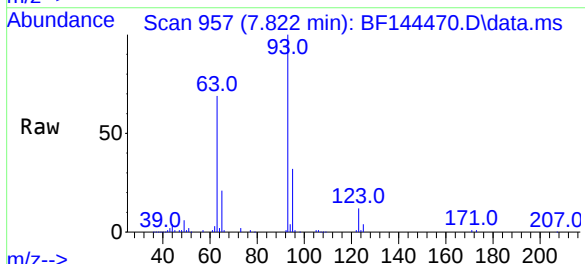
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

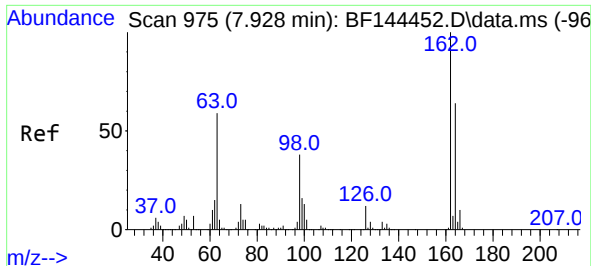
Tgt Ion:122 Resp: 65680
Ion Ratio Lower Upper
122 100
107 106.6 90.0 135.0
121 56.2 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 3.772 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 93 Resp: 89463
Ion Ratio Lower Upper
93 100
95 32.1 26.2 39.2
123 11.8 10.2 15.4

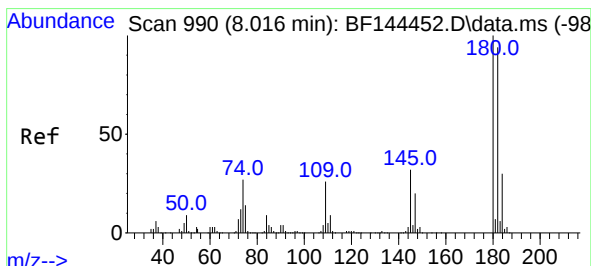
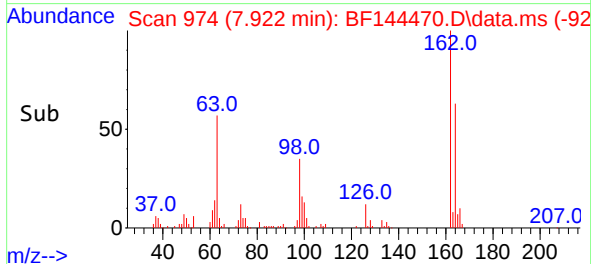
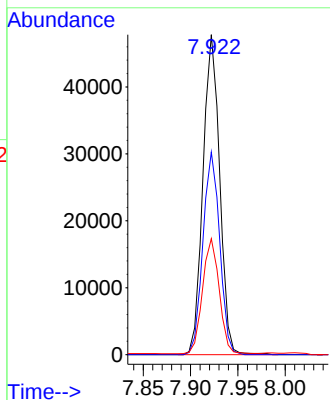
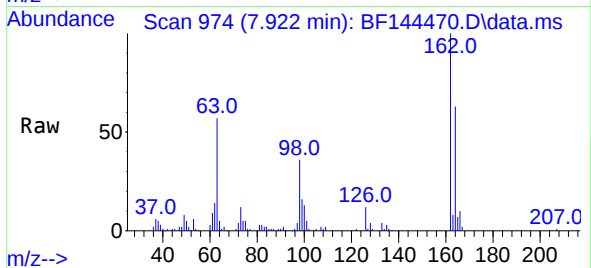




#29
2,4-Dichlorophenol
Concen: 3.834 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

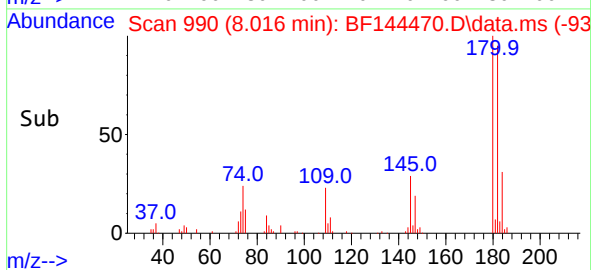
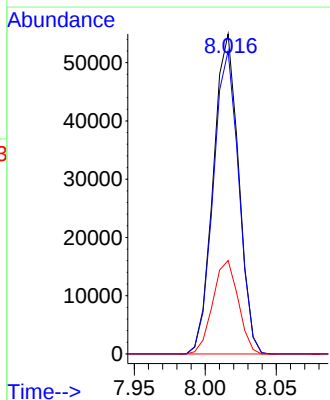
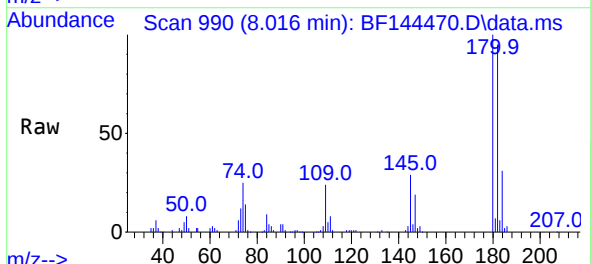
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

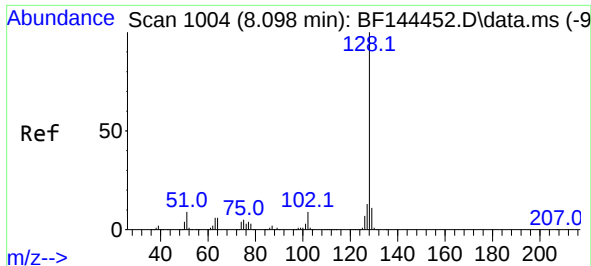
Tgt Ion:162	Resp:	58507
Ion Ratio	Lower	Upper
162	100	
164	63.3	44.2 84.2
98	36.3	17.8 57.8



#30
1,2,4-Trichlorobenzene
Concen: 4.110 ng
RT: 8.016 min Scan# 990
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:180	Resp:	68035
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.2 112.8
145	29.2	25.3 37.9

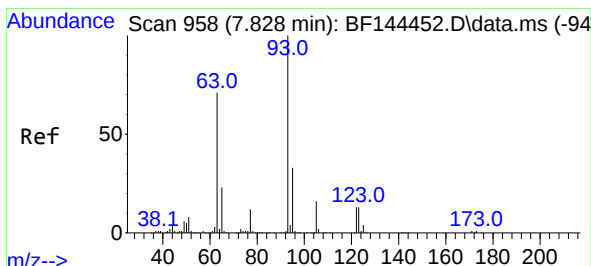
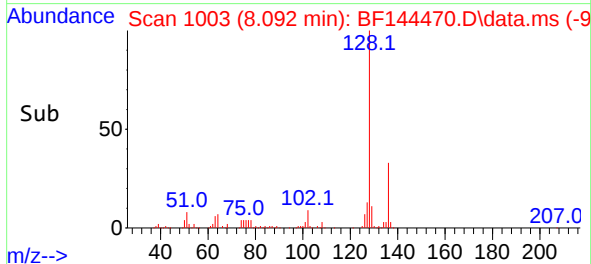
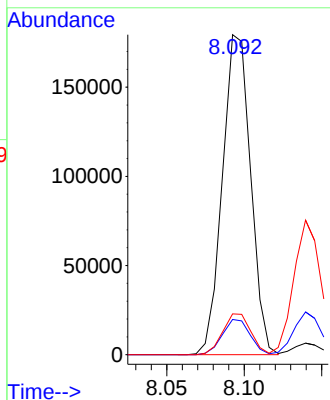
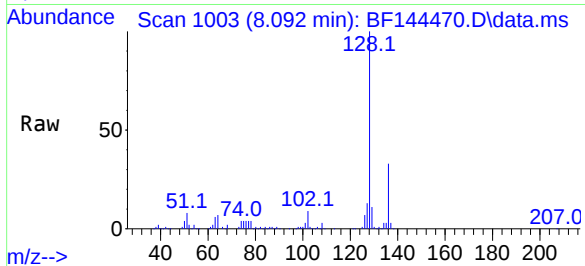




#31
Naphthalene
Concen: 3.952 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

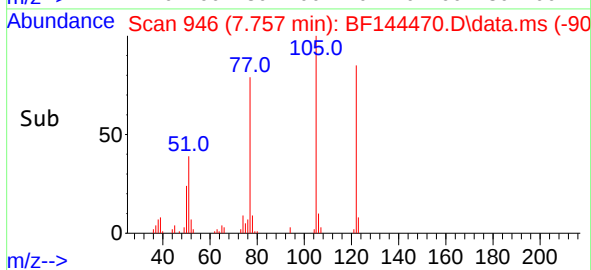
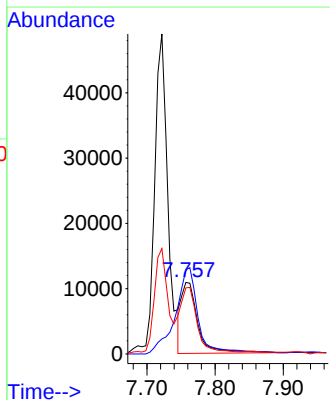
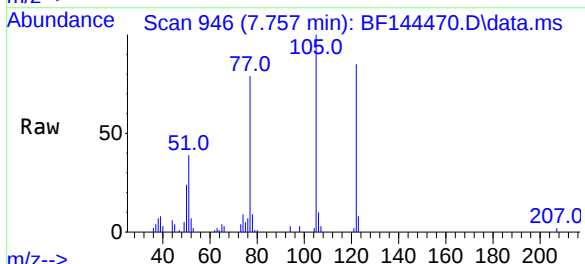
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

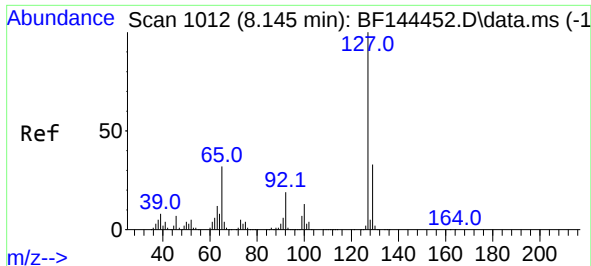
Tgt Ion:128 Resp: 227015
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 12.7 10.6 16.0



#32
Benzoic acid
Concen: 7.981 ng
RT: 7.757 min Scan# 946
Delta R.T. -0.071 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:122 Resp: 18349
Ion Ratio Lower Upper
122 100
105 117.6 103.2 143.2
77 92.4 75.1 115.1

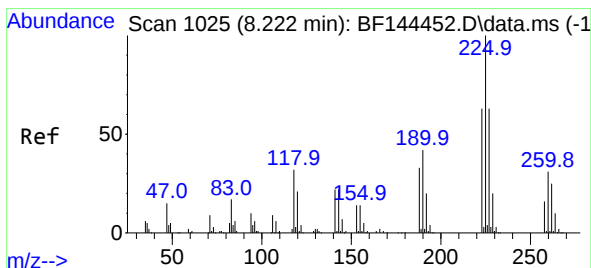
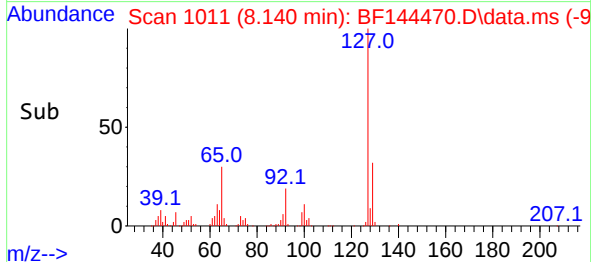
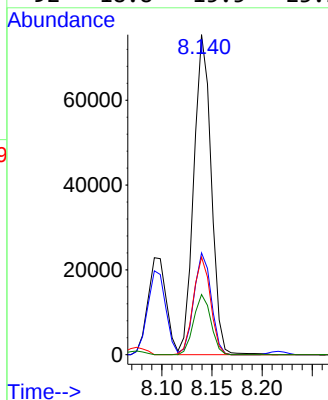
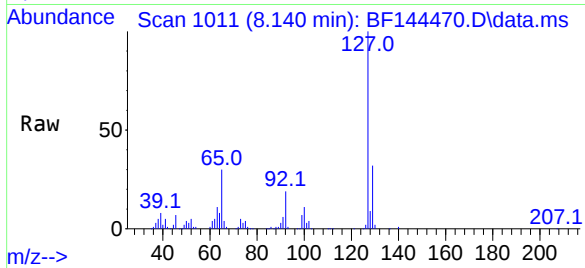




#33
4-Chloroaniline
Concen: 3.958 ng
RT: 8.140 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

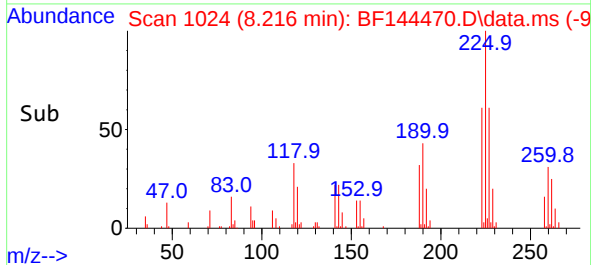
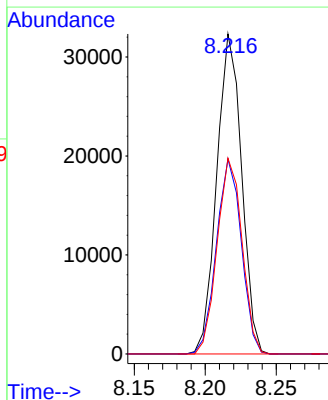
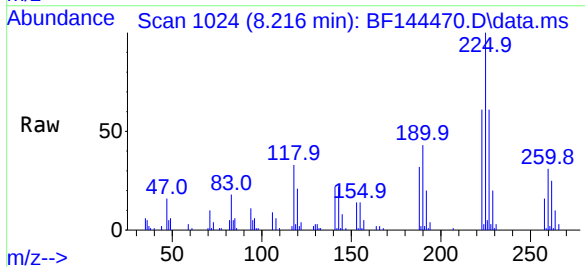
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

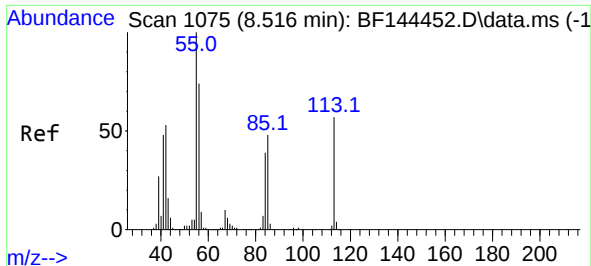
Tgt Ion:	127	Resp:	91390
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.4
65	30.5	25.8	38.8
92	18.8	15.5	23.3



#34
Hexachlorobutadiene
Concen: 3.843 ng
RT: 8.216 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

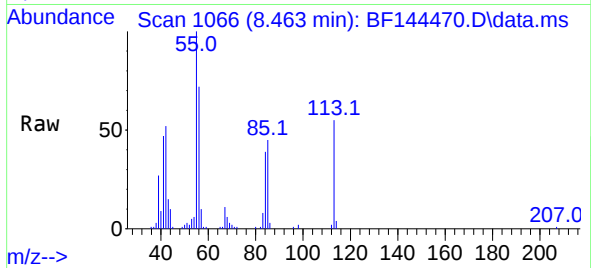
Tgt Ion:	225	Resp:	39328
Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.1	75.1
227	61.1	50.3	75.5



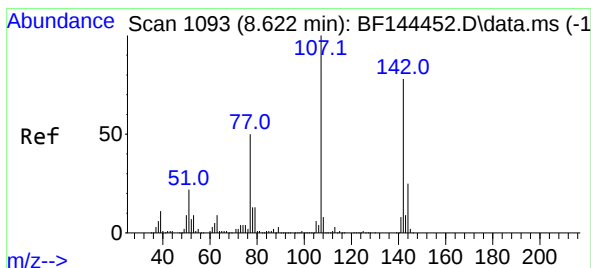
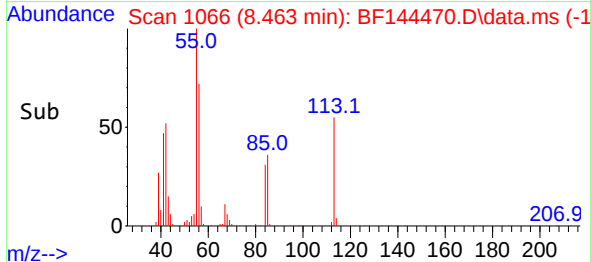
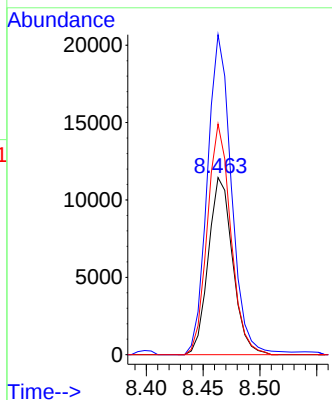


#35
Caprolactam
Concen: 3.378 ng
RT: 8.463 min Scan# 1075
Delta R.T. -0.053 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

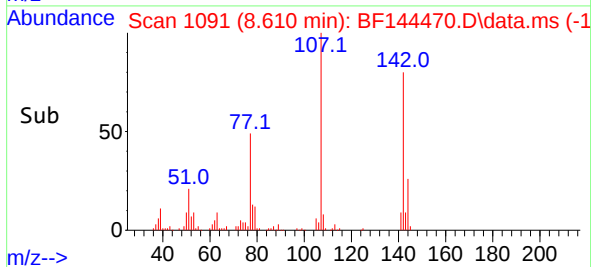
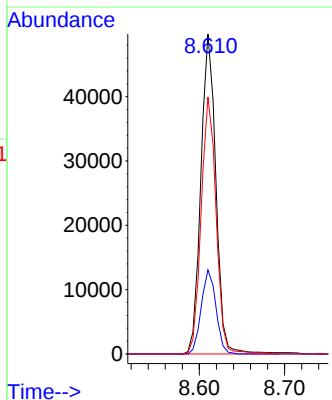
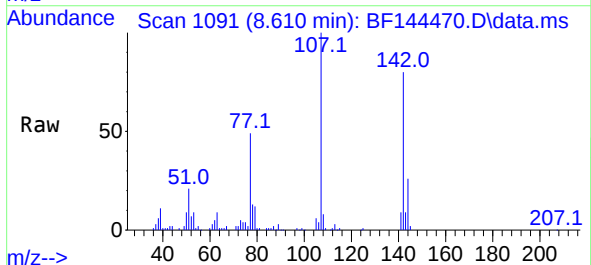


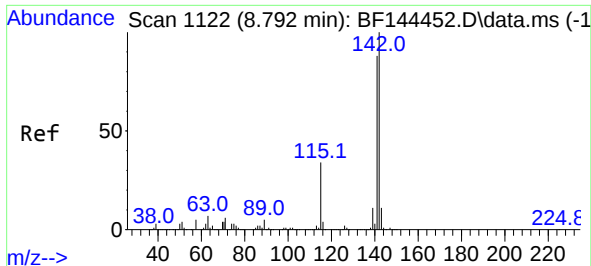
Tgt Ion:113 Resp: 17022
Ion Ratio Lower Upper
113 100
55 180.6 154.5 194.5
56 130.2 109.8 149.8



#36
4-Chloro-3-methylphenol
Concen: 3.674 ng
RT: 8.610 min Scan# 1091
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:107 Resp: 60871
Ion Ratio Lower Upper
107 100
144 26.2 20.4 30.6
142 80.3 62.4 93.6





#37

2-Methylnaphthalene

Concen: 3.541 ng

RT: 8.787 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF144470.D

Acq: 15 Dec 2025 13:12

Instrument :

BNA_F

ClientSampleId :

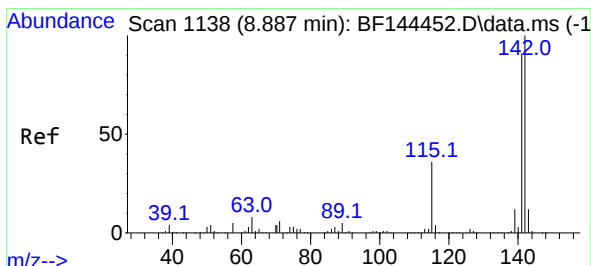
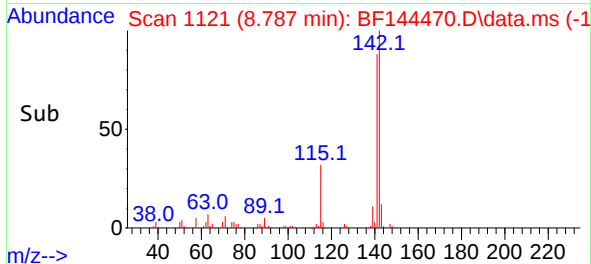
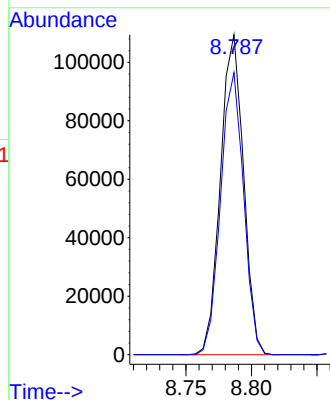
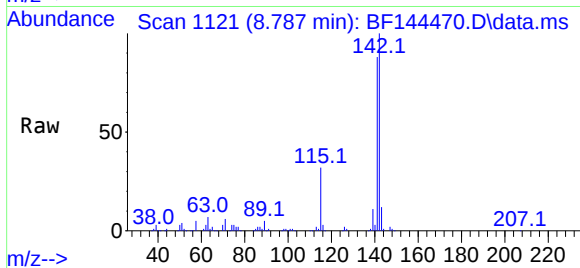
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:142 Resp: 133851

Ion Ratio Lower Upper

142 100

141 88.2 70.0 105.0



#38

1-Methylnaphthalene

Concen: 3.878 ng

RT: 8.887 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF144470.D

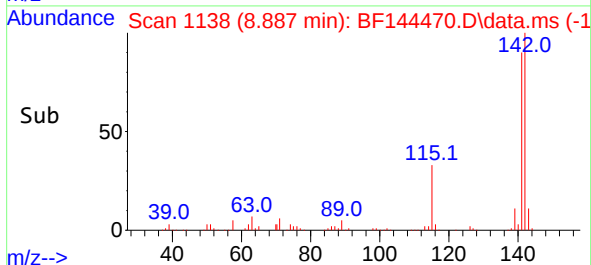
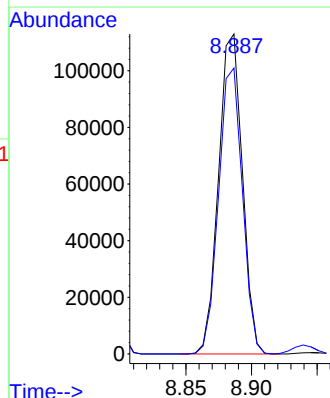
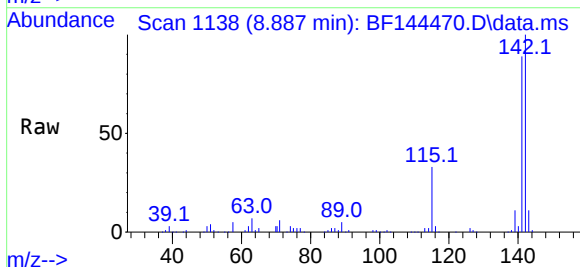
Acq: 15 Dec 2025 13:12

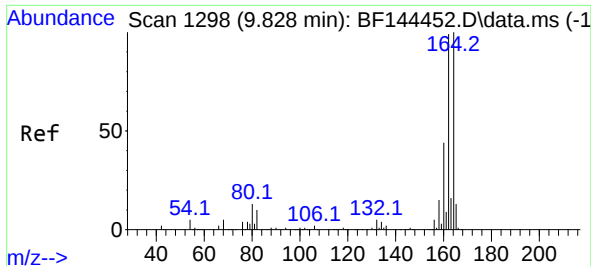
Tgt Ion:142 Resp: 142721

Ion Ratio Lower Upper

142 100

141 89.4 72.6 109.0

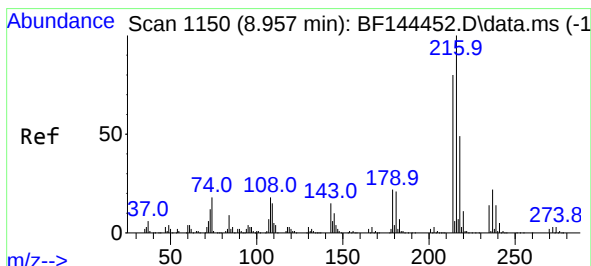
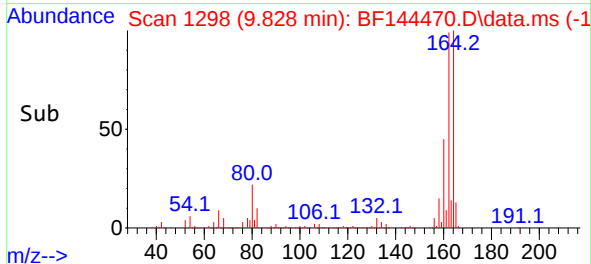
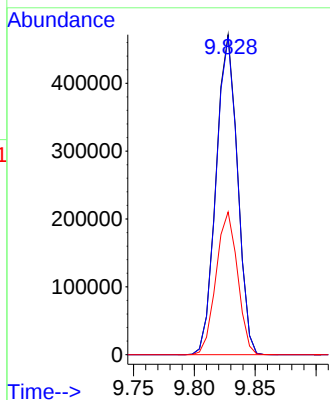
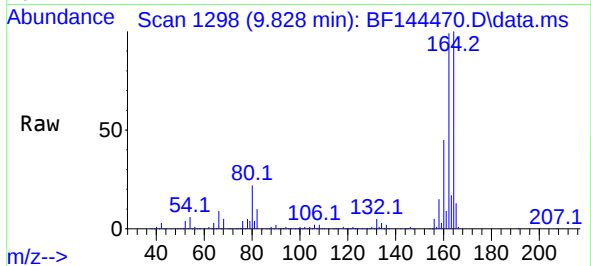




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

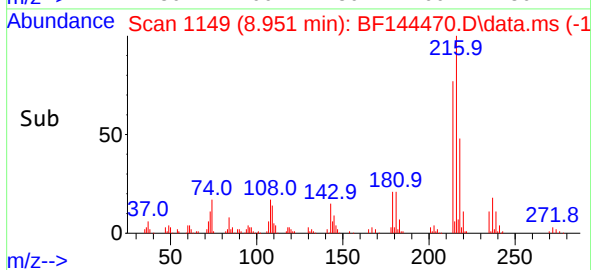
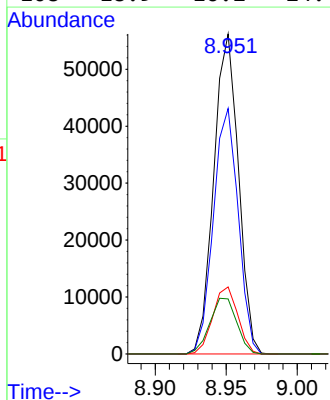
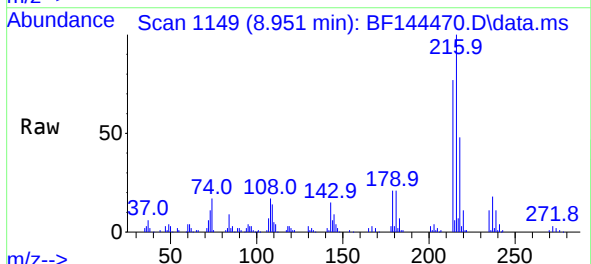
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

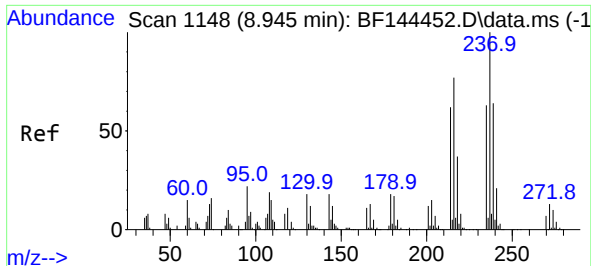
Tgt Ion:164 Resp: 578619
Ion Ratio Lower Upper
164 100
162 99.1 79.2 118.8
160 44.6 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.125 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:216 Resp: 67932
Ion Ratio Lower Upper
216 100
214 77.0 63.8 95.6
179 21.3 17.7 26.5
108 18.9 16.2 24.4

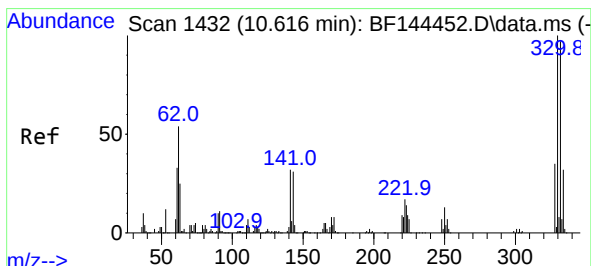
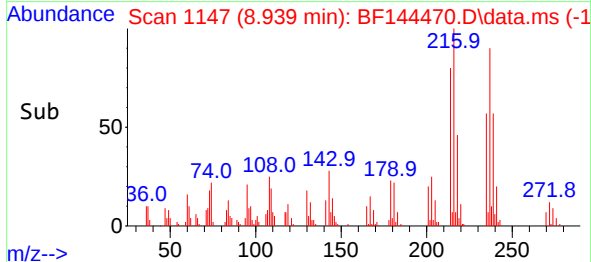
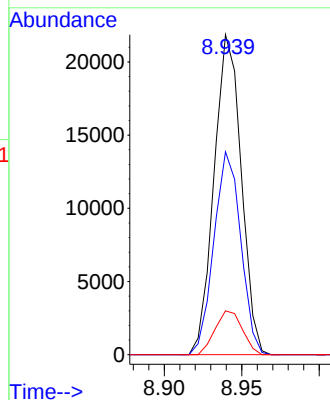
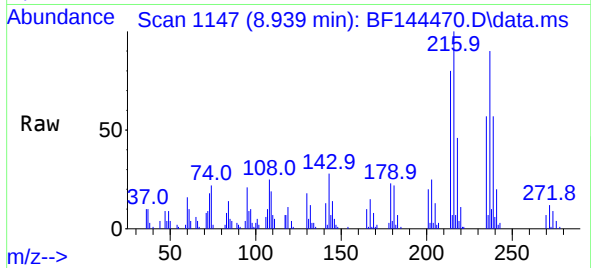




#41
Hexachlorocyclopentadiene
Concen: 2.738 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

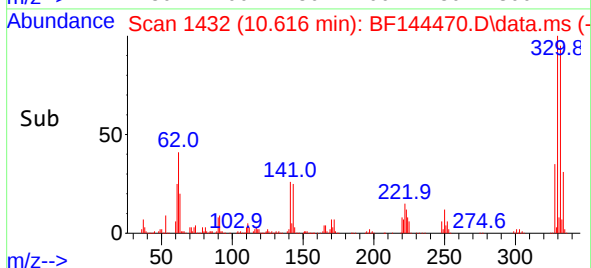
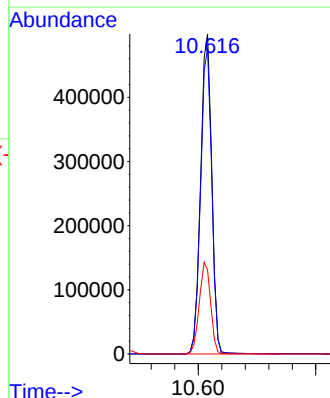
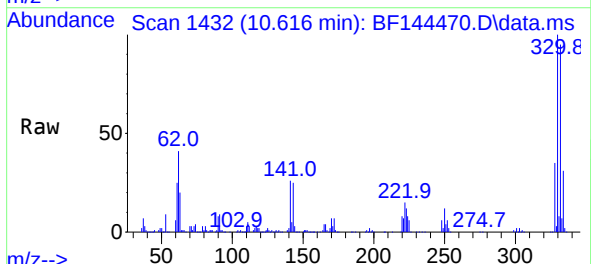
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

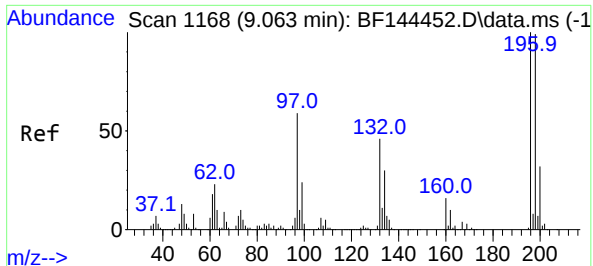
Tgt Ion:237 Resp: 26684
Ion Ratio Lower Upper
237 100
235 63.4 43.2 83.2
272 13.7 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 125.714 ng
RT: 10.616 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:330 Resp: 657646
Ion Ratio Lower Upper
330 100
332 95.7 77.5 116.3
141 29.0 26.2 39.2

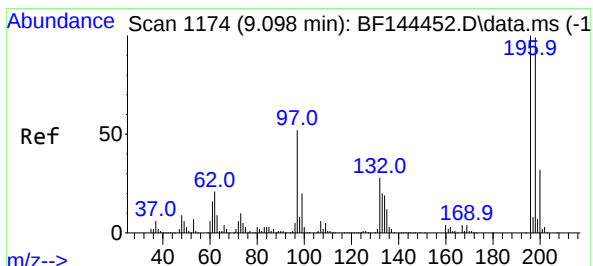
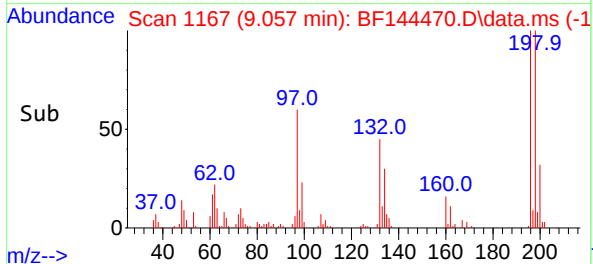
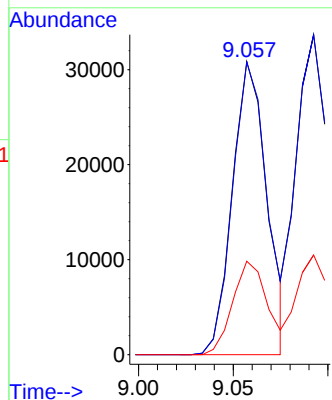
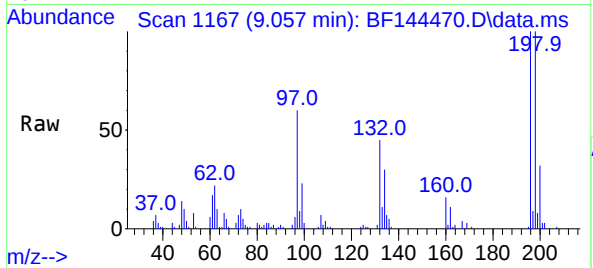




#43
2,4,6-Trichlorophenol
Concen: 3.739 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

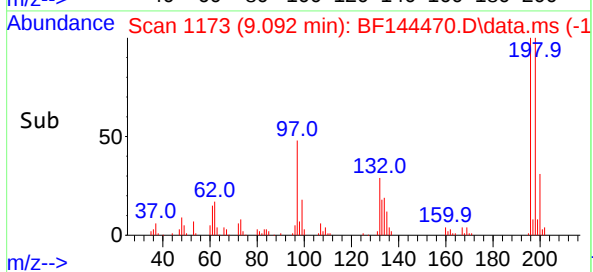
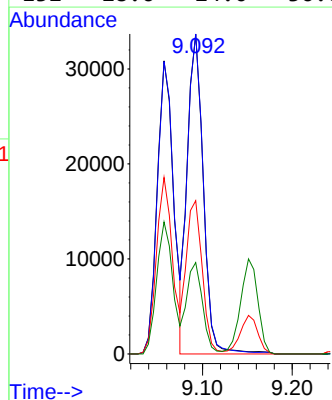
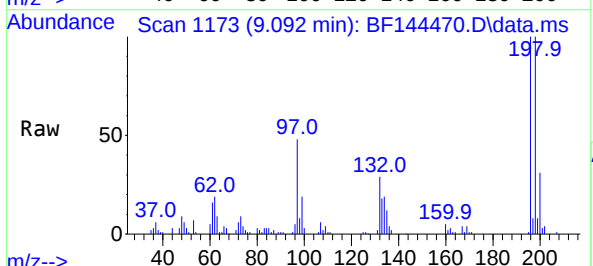
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

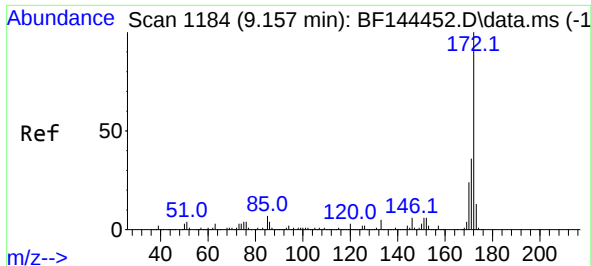
Tgt Ion:196 Resp: 39097
Ion Ratio Lower Upper
196 100
198 99.8 79.0 118.4
200 31.9 25.3 37.9



#44
2,4,5-Trichlorophenol
Concen: 3.810 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:196 Resp: 41822
Ion Ratio Lower Upper
196 100
198 100.1 79.5 119.3
97 47.9 42.2 63.2
132 28.6 24.0 36.0



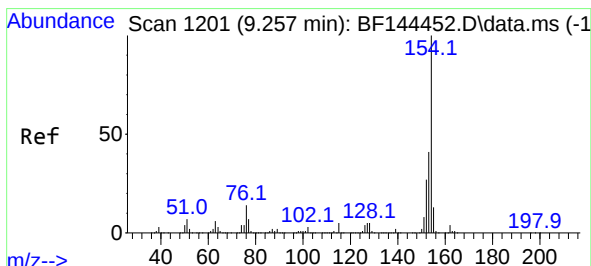
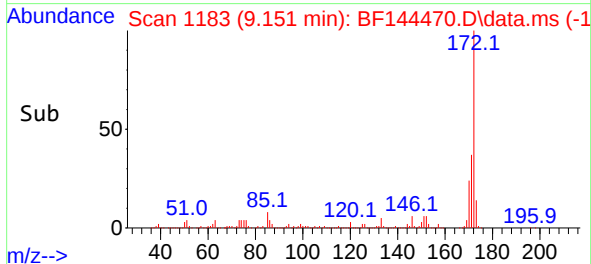
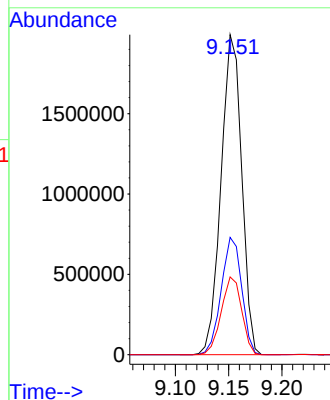
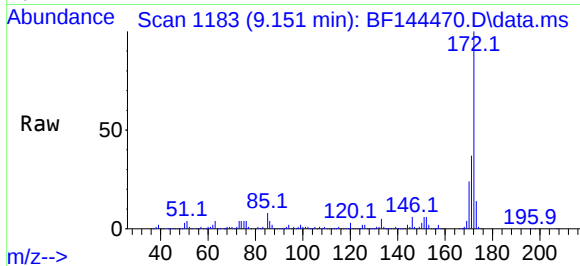


#45
2-Fluorobiphenyl
Concen: 70.986 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:172 Resp: 2677437

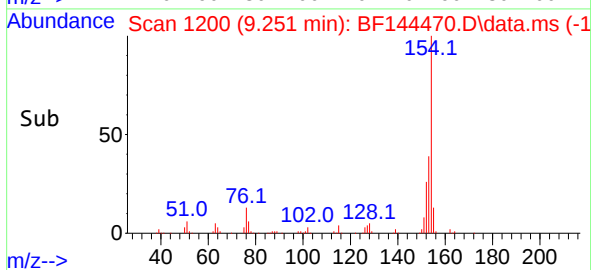
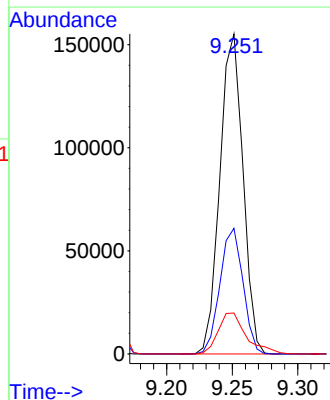
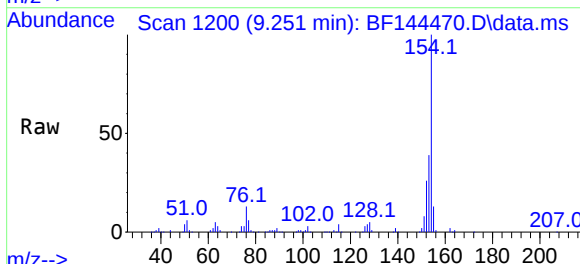
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	24.3	19.3	28.9

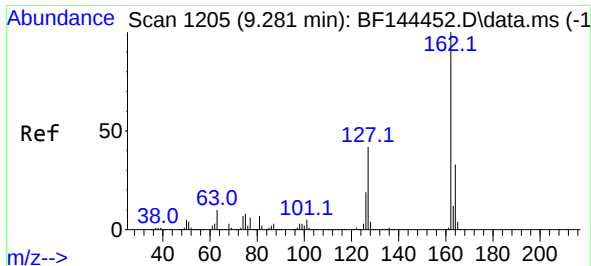


#46
1,1'-Biphenyl
Concen: 4.201 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:154 Resp: 189961

Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.0	61.0
76	12.8	0.0	33.8

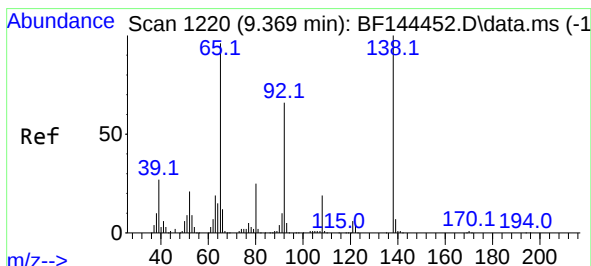
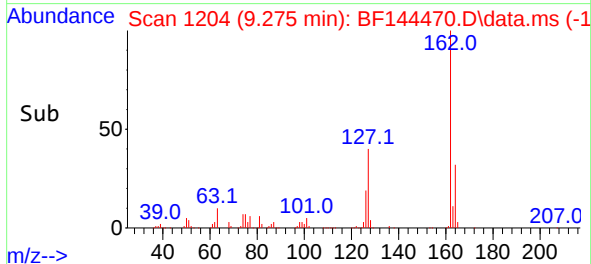
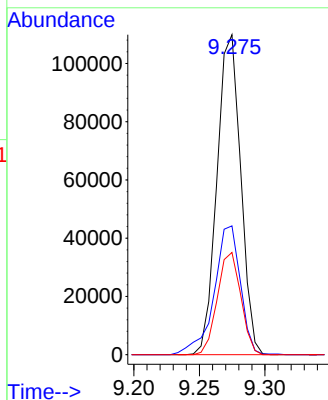
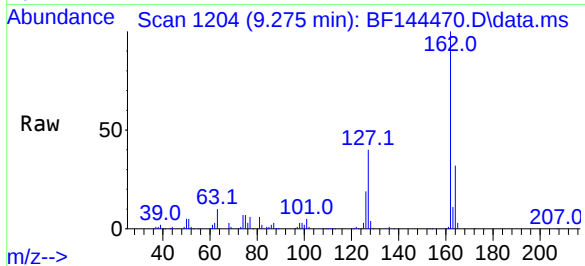




#47
2-Chloronaphthalene
Concen: 4.001 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

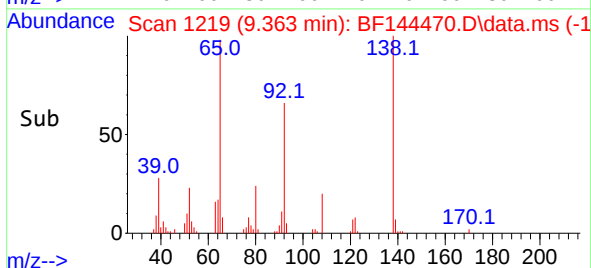
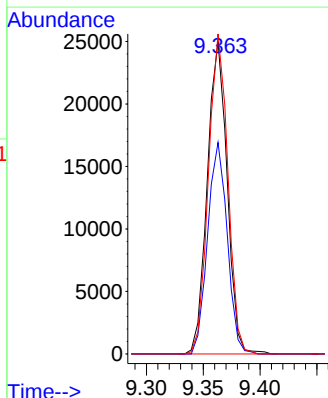
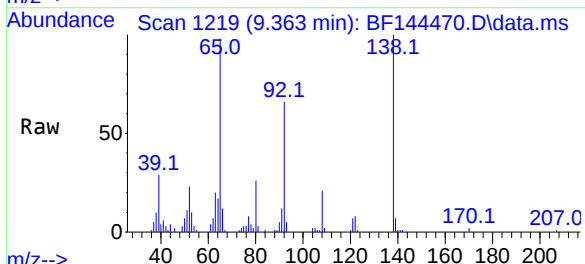
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

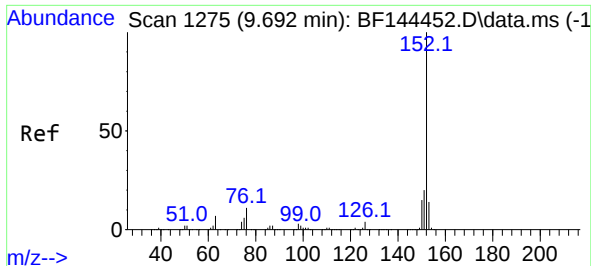
Tgt Ion:162 Resp: 138129
Ion Ratio Lower Upper
162 100
127 40.2 33.6 50.4
164 32.0 26.6 39.8



#48
2-Nitroaniline
Concen: 6.458 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion: 65 Resp: 30267
Ion Ratio Lower Upper
65 100
92 67.7 55.0 82.4
138 102.4 83.4 125.2

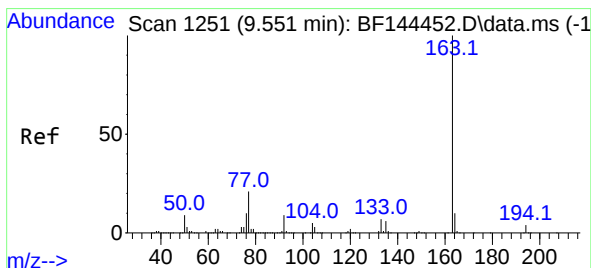
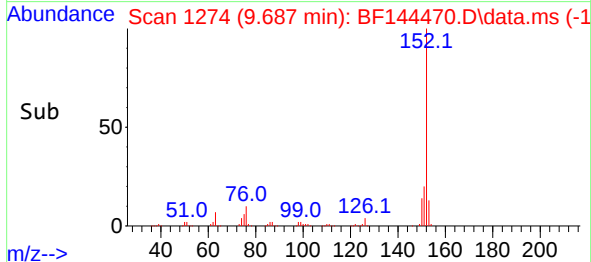
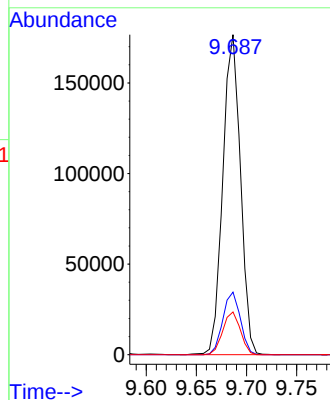
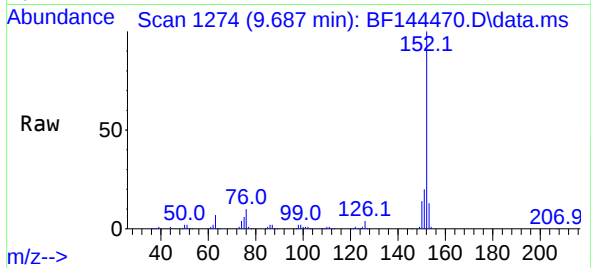




#49
Acenaphthylene
Concen: 3.948 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

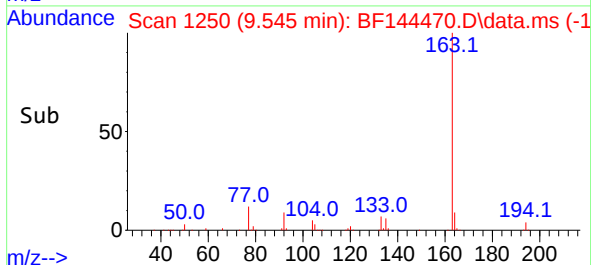
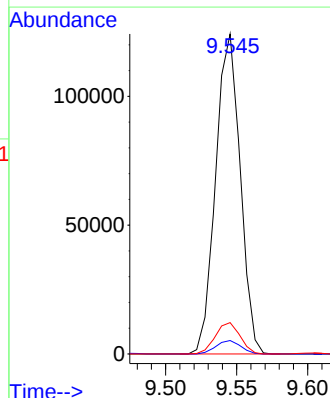
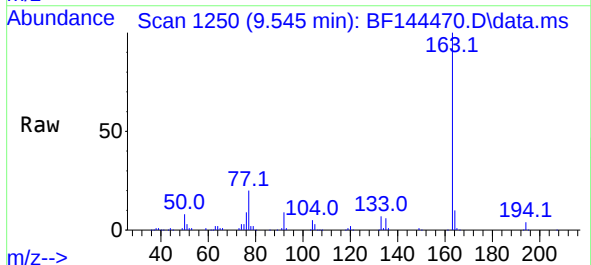
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

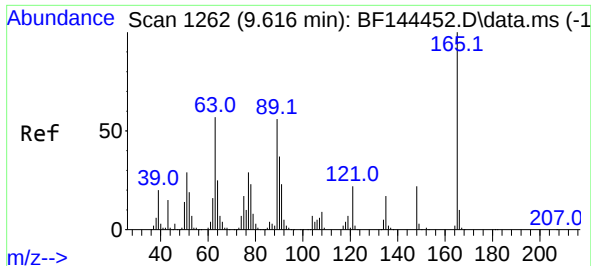
Tgt Ion:152	Resp:	215901
Ion Ratio	Lower	Upper
152	100	
151	19.6	16.2 24.2
153	13.3	11.4 17.0



#50
Dimethylphthalate
Concen: 3.816 ng
RT: 9.545 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:163	Resp:	149140
Ion Ratio	Lower	Upper
163	100	
194	4.2	3.3 4.9
164	9.8	8.3 12.5

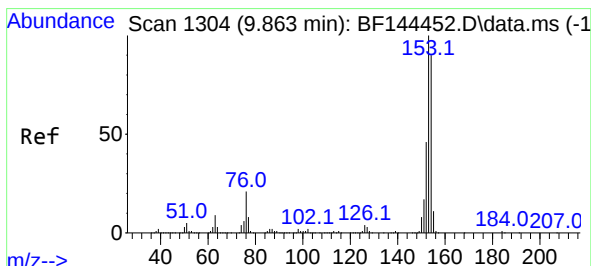
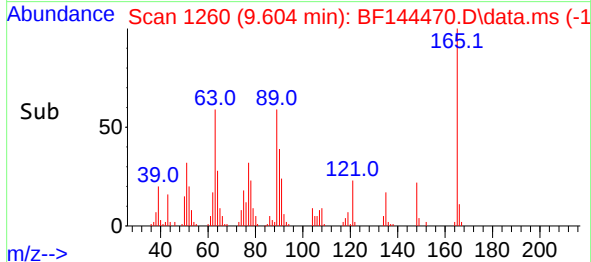
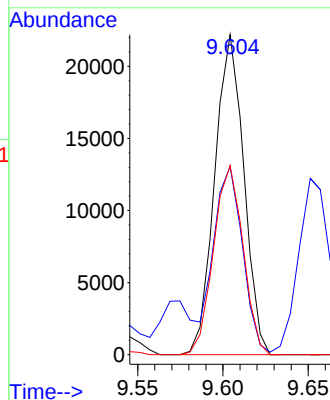
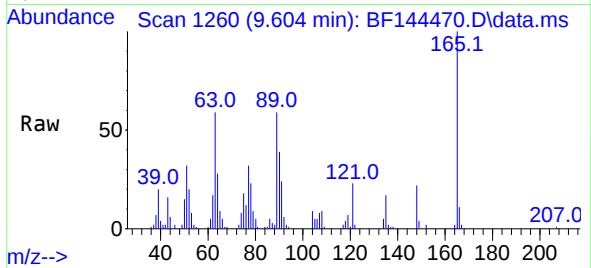




#51
2,6-Dinitrotoluene
Concen: 7.287 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

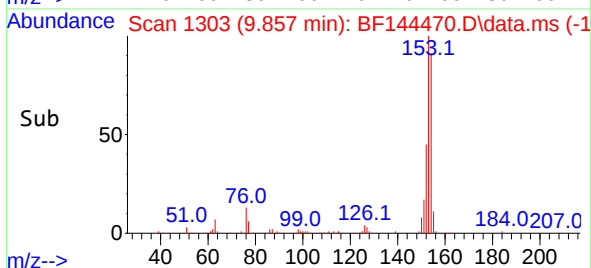
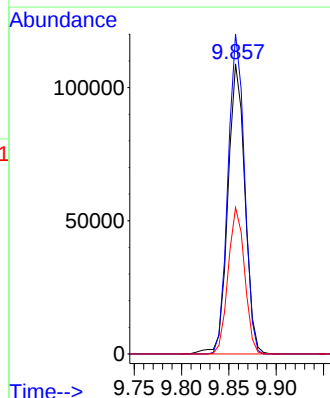
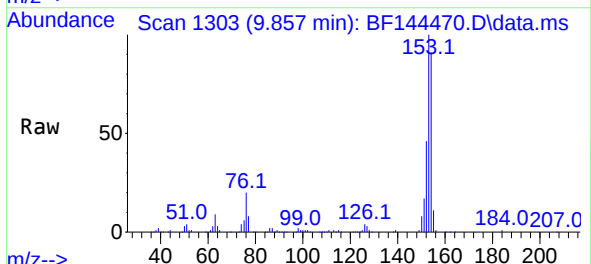
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

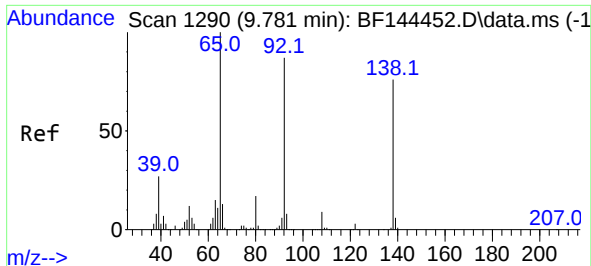
Tgt Ion:165	Resp:	26345
Ion Ratio	Lower	Upper
165	100	
63	58.8	45.9 68.9
89	59.1	44.6 67.0



#52
Acenaphthene
Concen: 3.980 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:154	Resp:	135704
Ion Ratio	Lower	Upper
154	100	
153	110.3	88.6 132.8
152	50.5	40.6 61.0

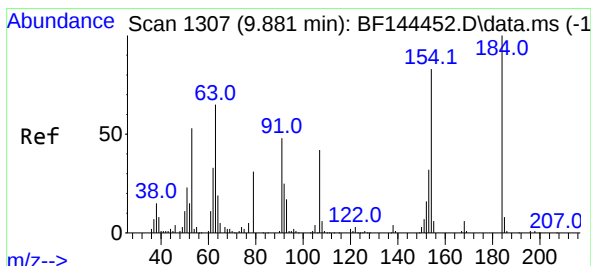
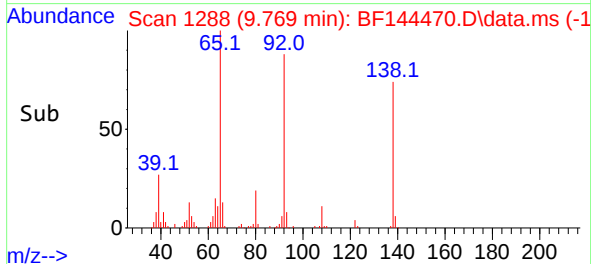
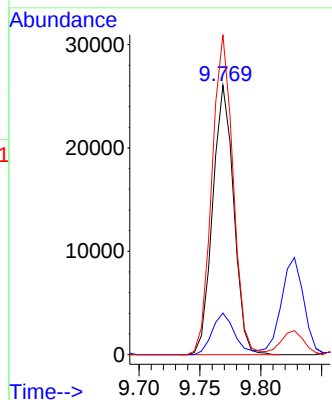
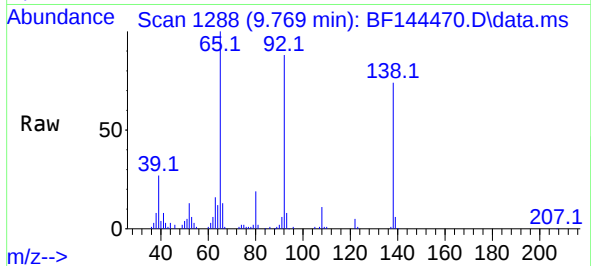




#53
3-Nitroaniline
Concen: 6.361 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

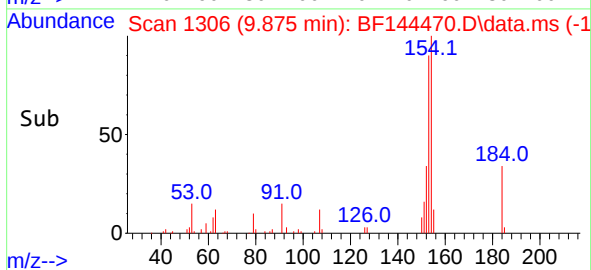
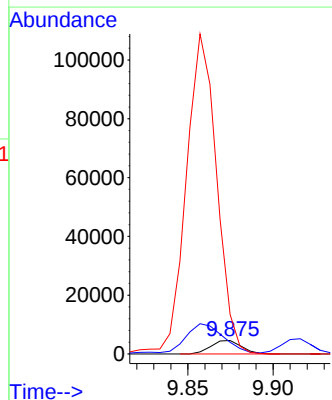
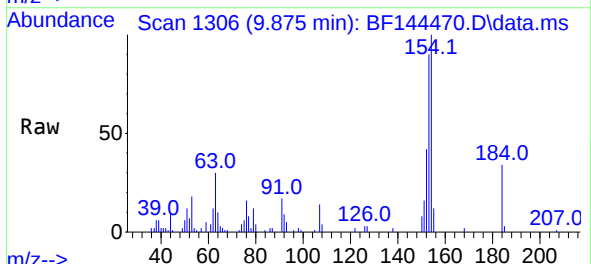
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

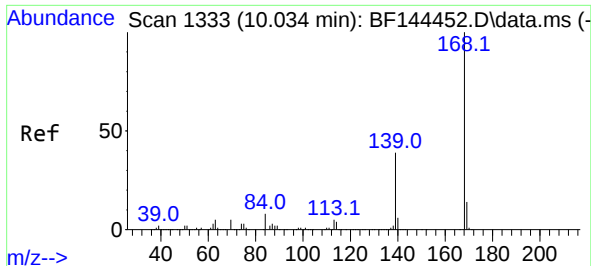
Tgt Ion:138 Resp: 31361
Ion Ratio Lower Upper
138 100
108 15.4 9.7 14.5#
92 118.9 91.5 137.3



#54
2,4-Dinitrophenol
Concen: 8.671 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:184 Resp: 5689
Ion Ratio Lower Upper
184 100
63 86.9 60.6 91.0
154 291.2 137.8 206.8#

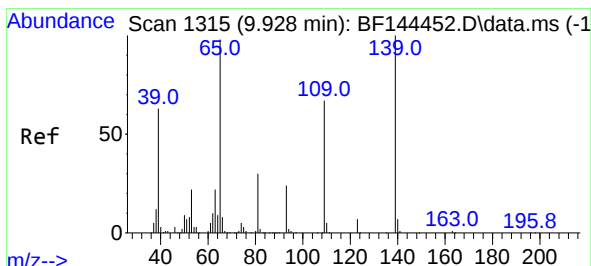
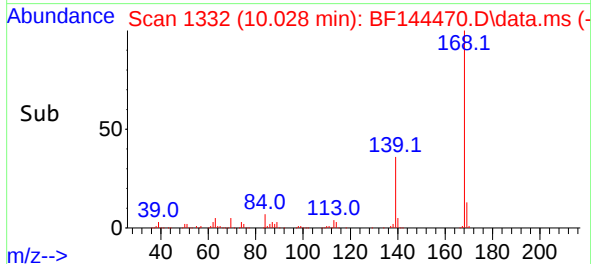
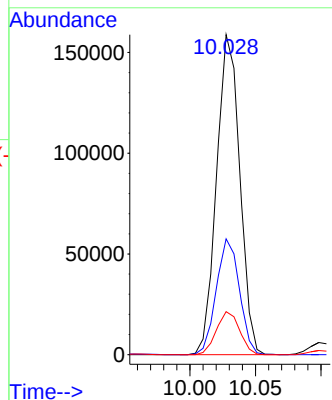
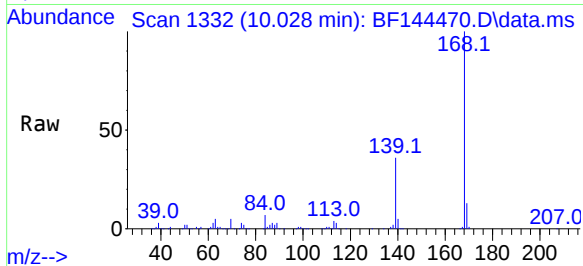




#55
Dibenzenofuran
Concen: 4.026 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

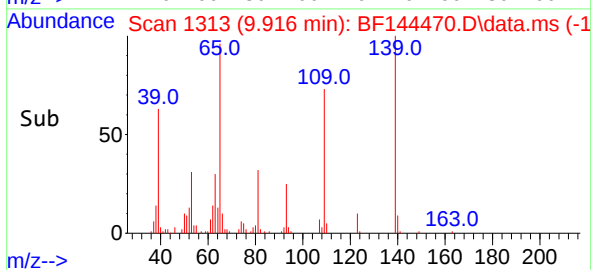
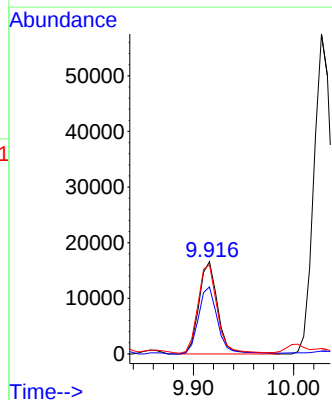
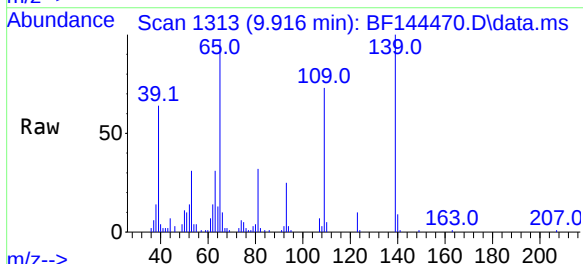
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

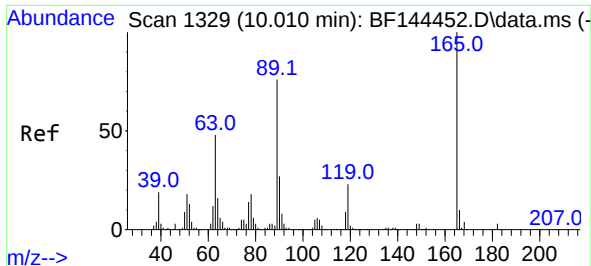
Tgt Ion:168 Resp: 195363
Ion Ratio Lower Upper
168 100
139 36.2 31.0 46.6
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 3.247 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:139 Resp: 21613
Ion Ratio Lower Upper
139 100
109 72.6 47.4 87.4
65 96.6 78.4 118.4

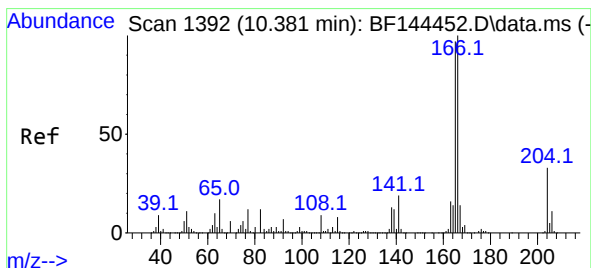
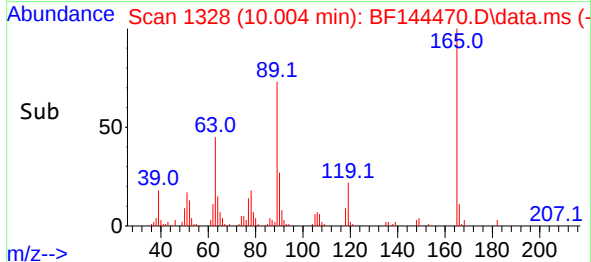
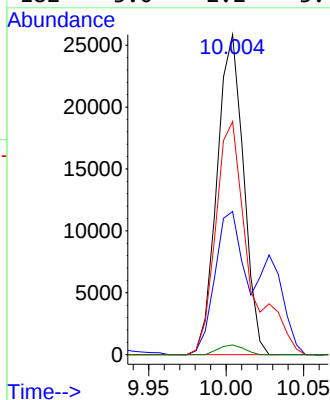
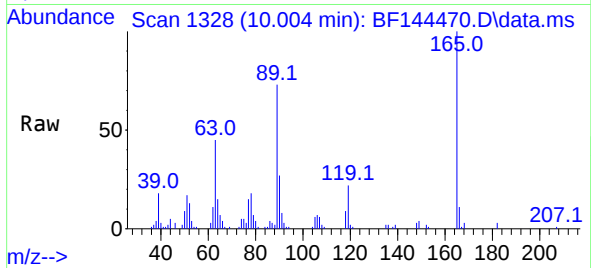




#57
2,4-Dinitrotoluene
Concen: 6.781 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

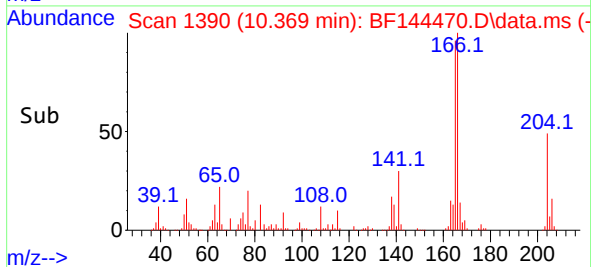
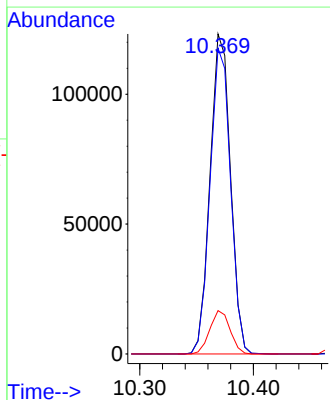
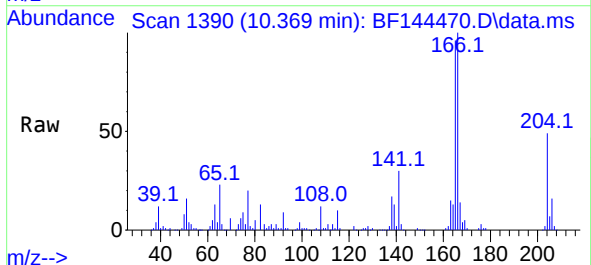
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

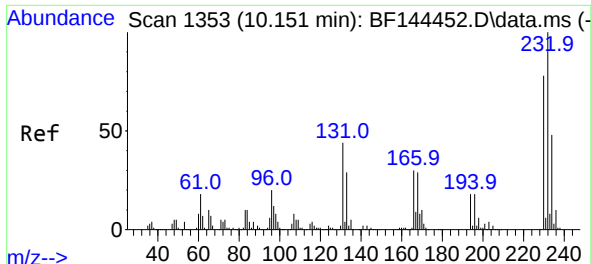
Tgt Ion:165	Resp:	30795
Ion	Ratio	Lower Upper
165	100	
63	44.8	38.2 57.4
89	72.9	61.2 91.8
182	3.0	2.2 3.4



#58
Fluorene
Concen: 4.187 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:166	Resp:	153829
Ion	Ratio	Lower Upper
166	100	
165	95.6	77.6 116.4
167	13.6	10.8 16.2

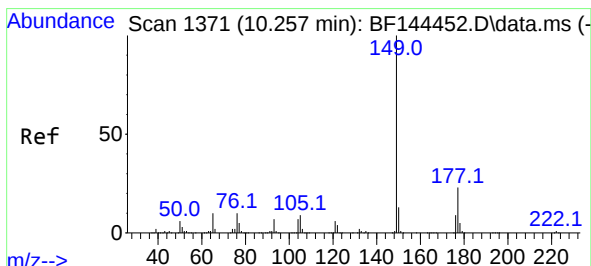
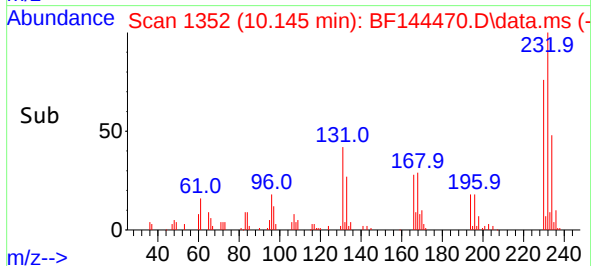
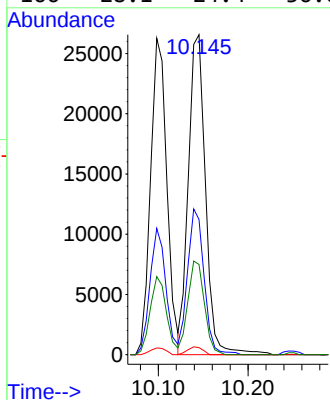
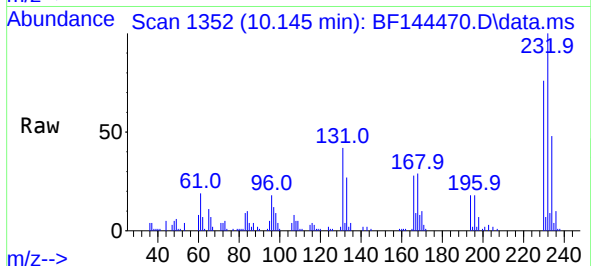




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.248 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

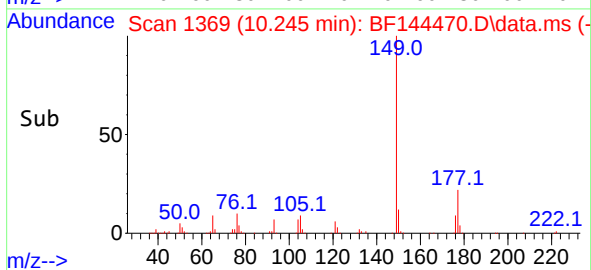
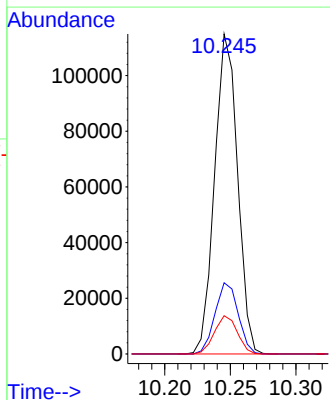
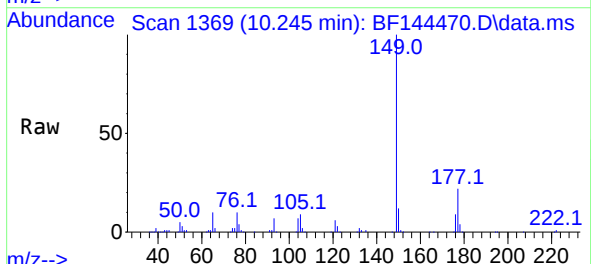
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

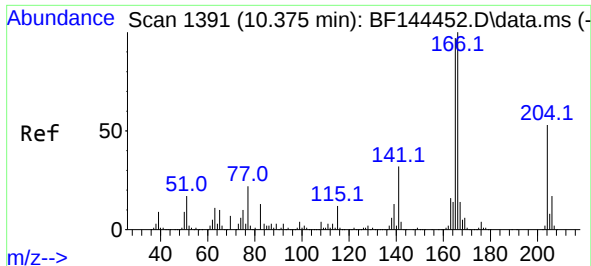
Tgt Ion:232 Resp: 35389
Ion Ratio Lower Upper
232 100
131 43.7 36.3 54.5
130 2.1 1.8 2.6
166 28.1 24.4 36.6



#60
Diethylphthalate
Concen: 3.768 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:149 Resp: 139587
Ion Ratio Lower Upper
149 100
177 22.2 18.7 28.1
150 12.0 10.1 15.1

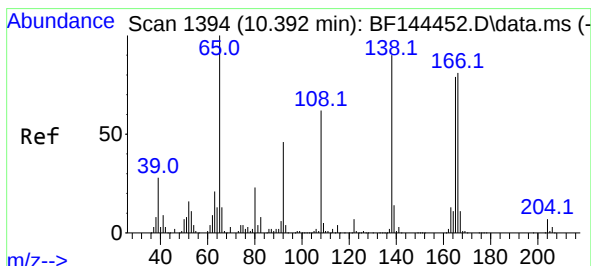
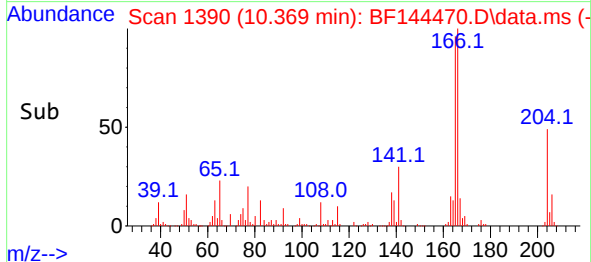
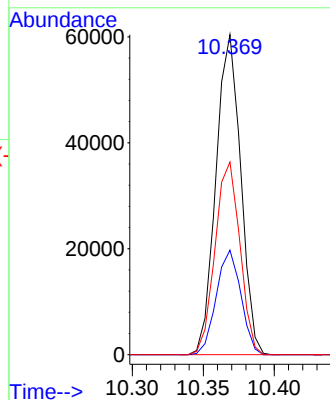
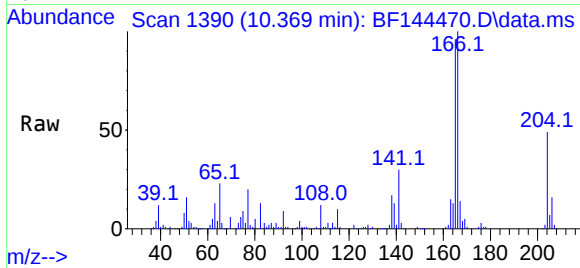




#61
4-Chlorophenyl-phenylether
Concen: 4.067 ng
RT: 10.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

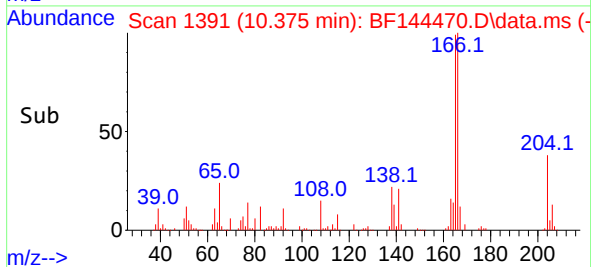
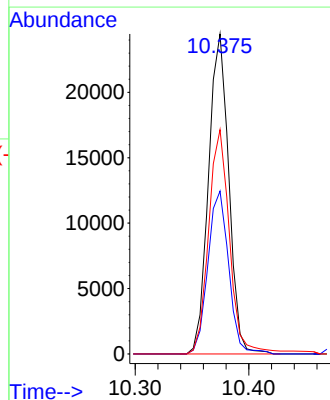
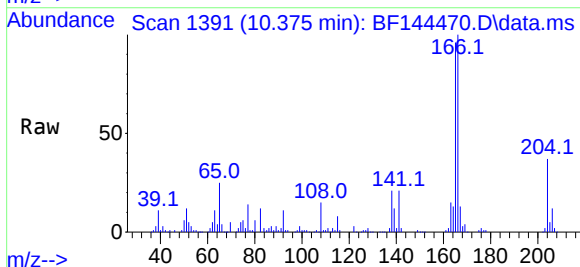
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

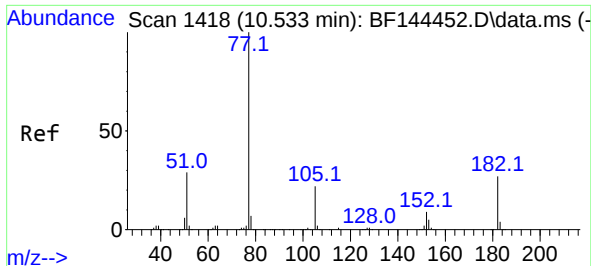
Tgt Ion:204 Resp: 73317
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 60.2 48.4 72.6



#62
4-Nitroaniline
Concen: 5.835 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.017 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:138 Resp: 30287
Ion Ratio Lower Upper
138 100
92 50.9 30.8 70.8
108 70.1 49.2 89.2

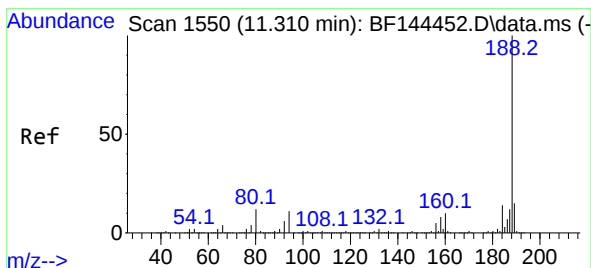
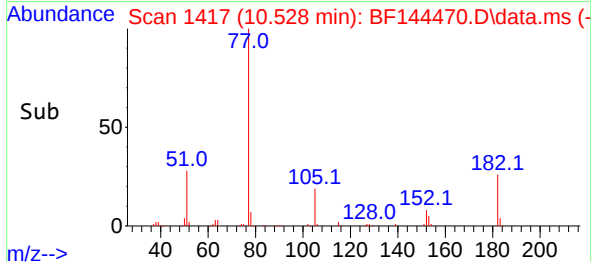
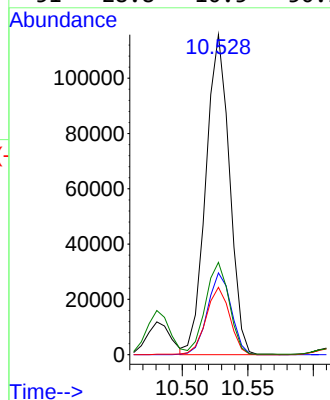
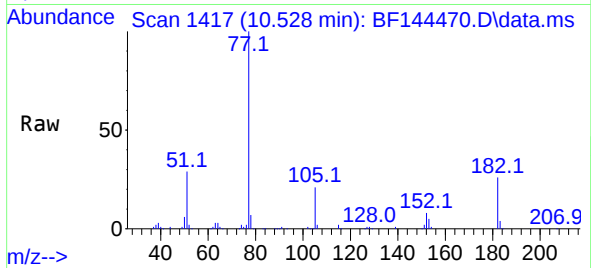




#63
Azobenzene
Concen: 3.714 ng
RT: 10.528 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

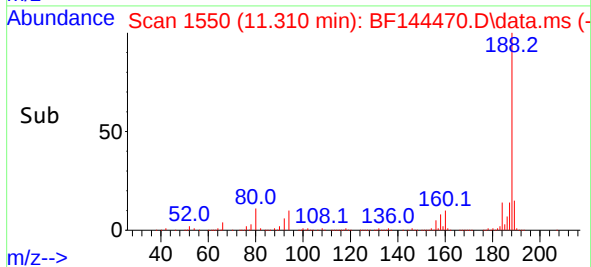
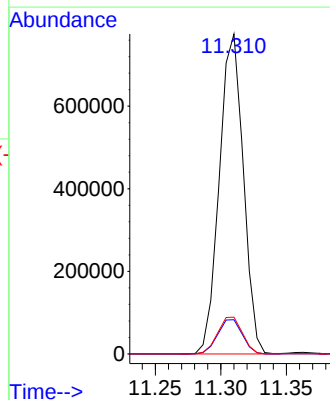
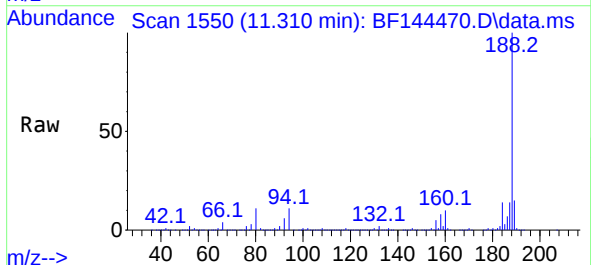
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

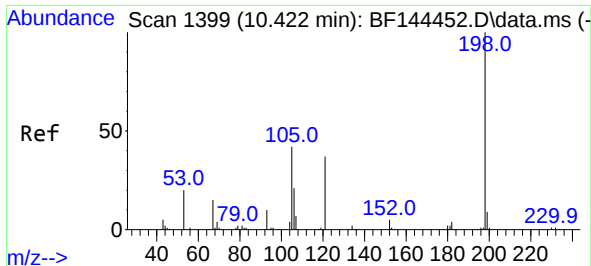
Tgt Ion: 77	Resp: 145397
Ion Ratio	Lower Upper
77 100	
182 25.6	6.1 46.1
105 21.0	1.5 41.5
51 28.8	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:188	Resp: 985264
Ion Ratio	Lower Upper
188 100	
94 10.7	9.0 13.6
80 11.5	9.8 14.8

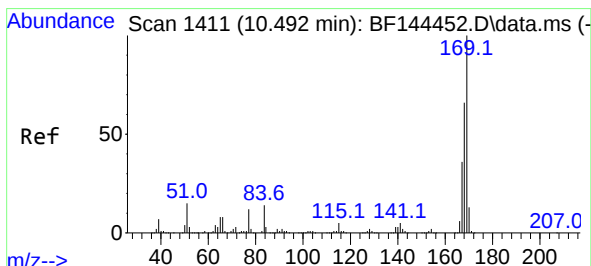
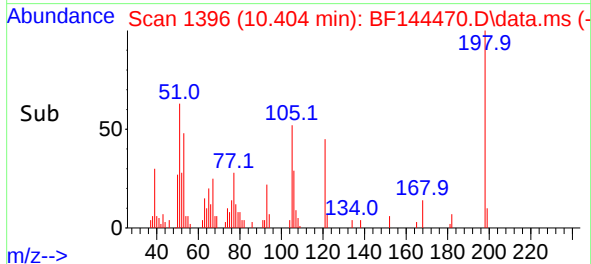
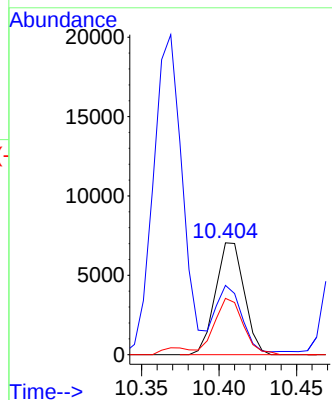
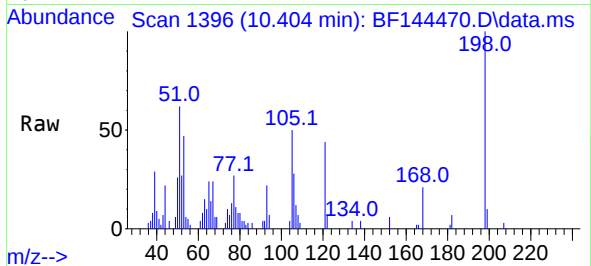




#65
4,6-Dinitro-2-methylphenol
Concen: 8.672 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

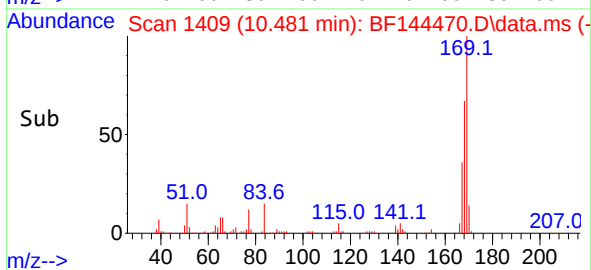
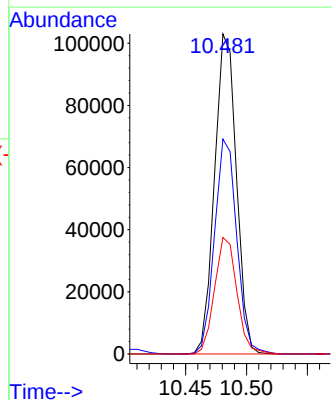
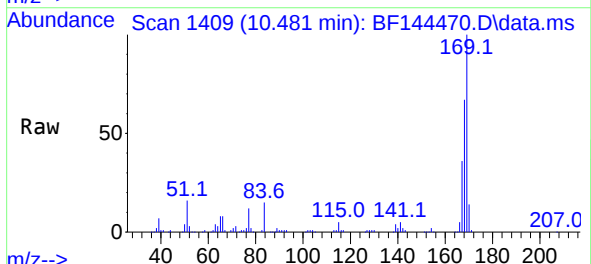
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

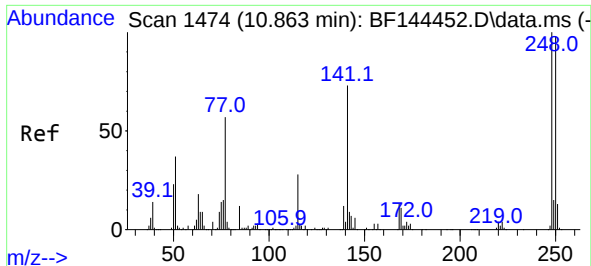
Tgt Ion:198 Resp: 9088
Ion Ratio Lower Upper
198 100
51 61.9 25.5 65.5
105 50.4 23.4 63.4



#66
n-Nitrosodiphenylamine
Concen: 3.803 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:169 Resp: 128422
Ion Ratio Lower Upper
169 100
168 67.1 52.6 79.0
167 36.4 28.8 43.2

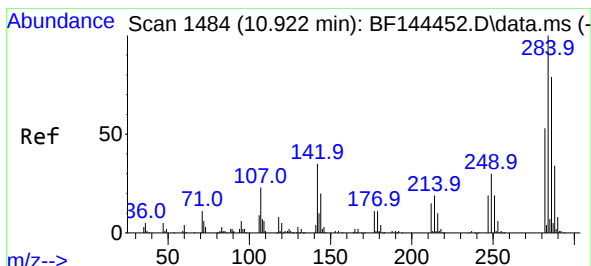
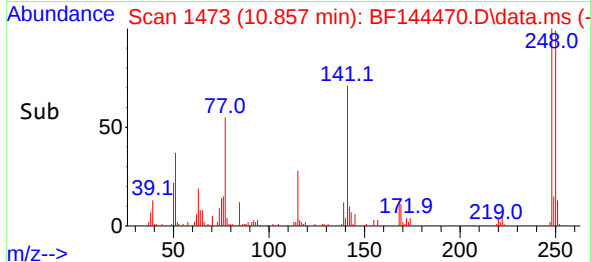
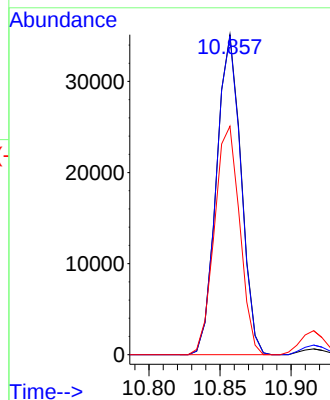
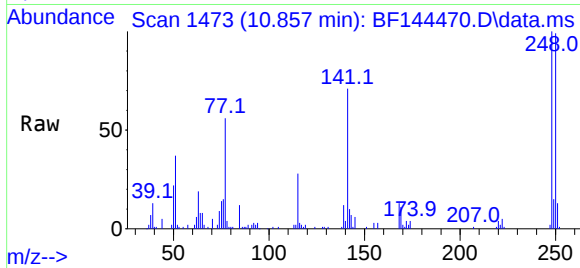




#67
4-Bromophenyl-phenylether
Concen: 3.675 ng
RT: 10.857 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

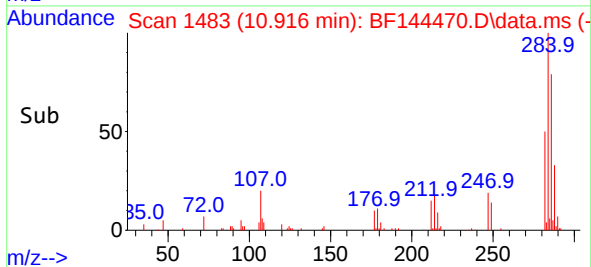
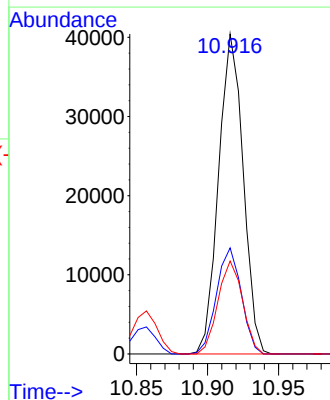
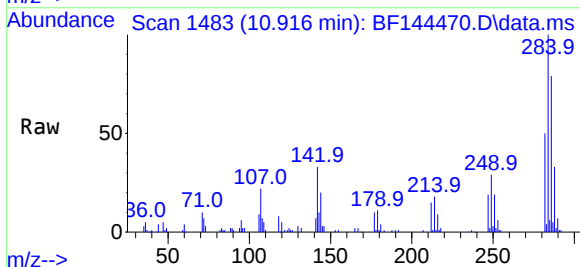
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

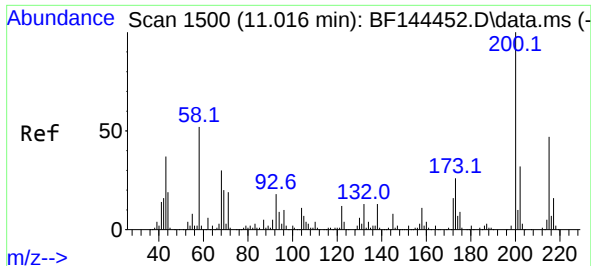
Tgt Ion:248 Resp: 42266
Ion Ratio Lower Upper
248 100
250 99.5 78.2 117.4
141 71.4 58.5 87.7



#68
Hexachlorobenzene
Concen: 3.829 ng
RT: 10.916 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:284 Resp: 48618
Ion Ratio Lower Upper
284 100
142 33.2 28.2 42.2
249 29.1 24.7 37.1

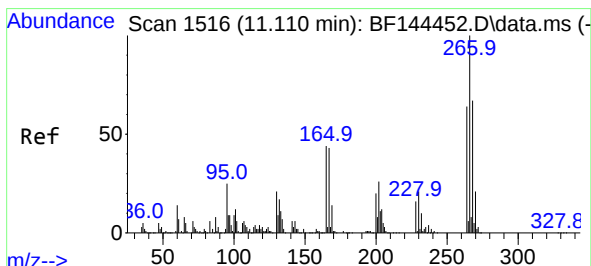
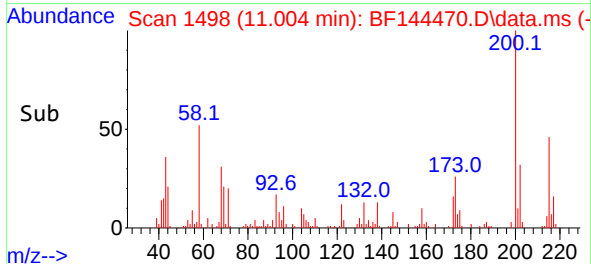
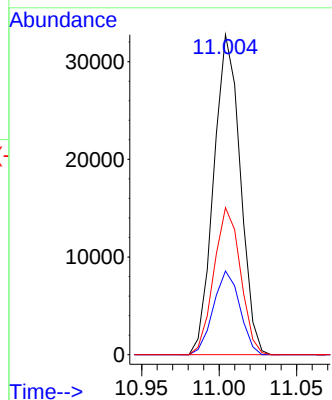
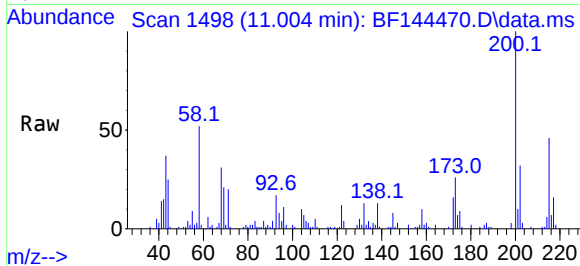




#69
Atrazine
Concen: 3.688 ng
RT: 11.004 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

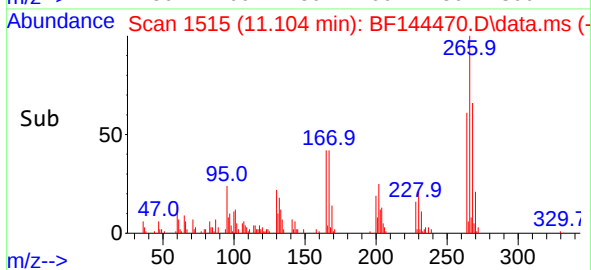
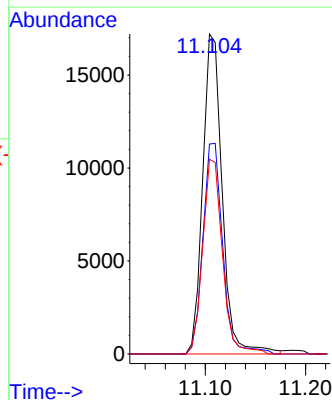
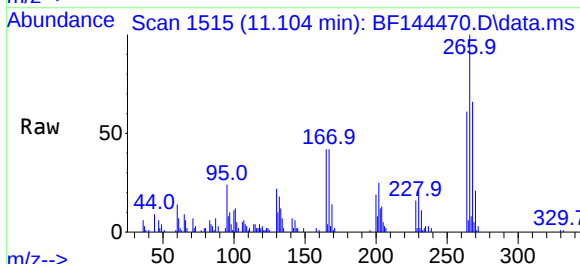
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

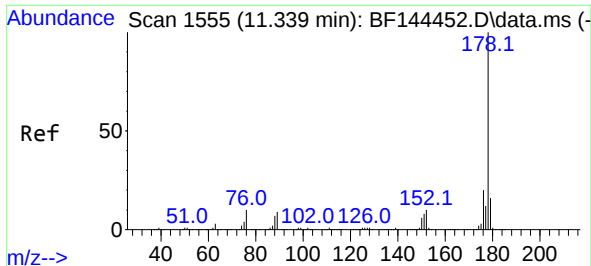
Tgt Ion:200 Resp: 39003
Ion Ratio Lower Upper
200 100
173 26.1 6.2 46.2
215 45.9 27.2 67.2



#70
Pentachlorophenol
Concen: 3.217 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:266 Resp: 23298
Ion Ratio Lower Upper
266 100
268 65.6 53.8 80.8
264 60.9 51.2 76.8

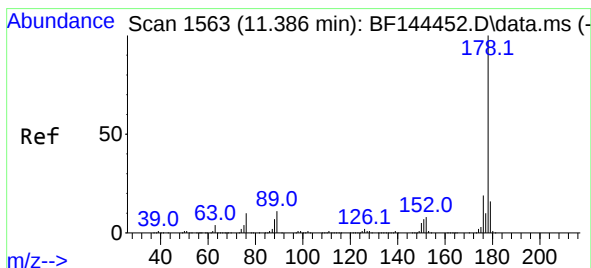
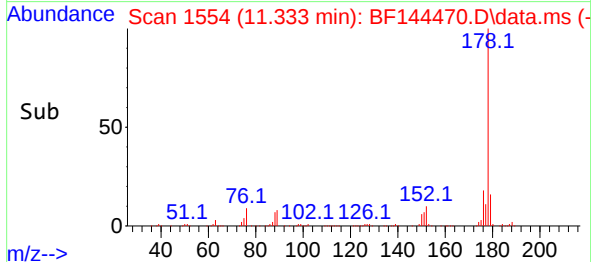
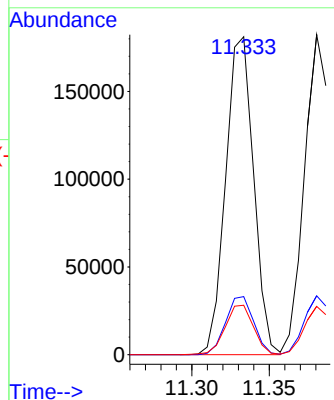
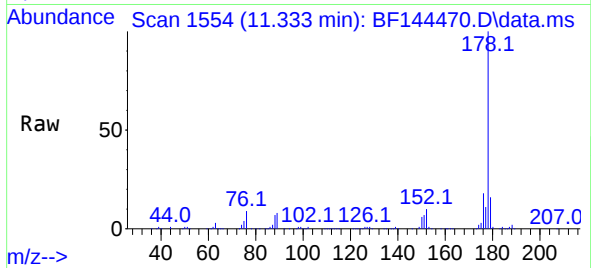




#71
Phenanthrene
Concen: 4.002 ng
RT: 11.333 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

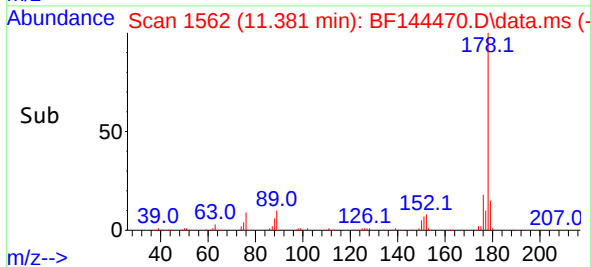
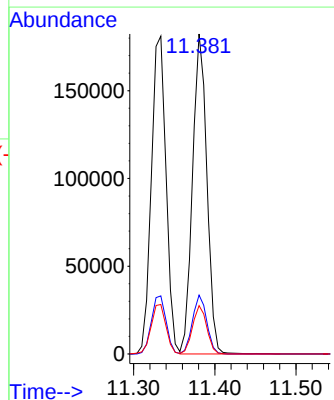
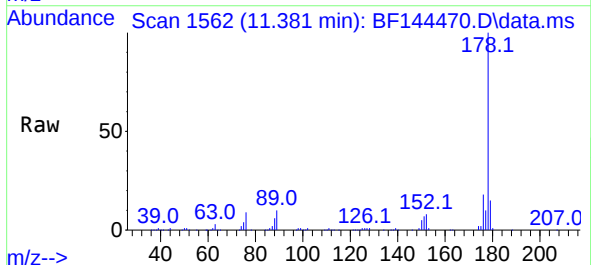
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

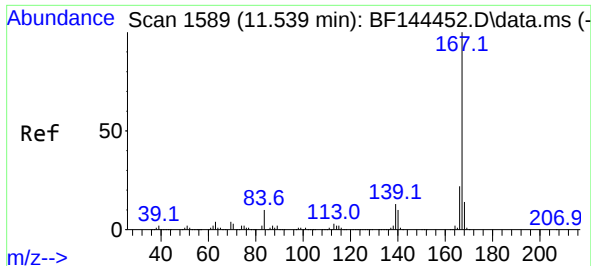
Tgt Ion:178 Resp: 227327
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.5 12.5 18.7



#72
Anthracene
Concen: 3.904 ng
RT: 11.381 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:178 Resp: 224411
Ion Ratio Lower Upper
178 100
176 18.4 15.2 22.8
179 15.1 12.7 19.1

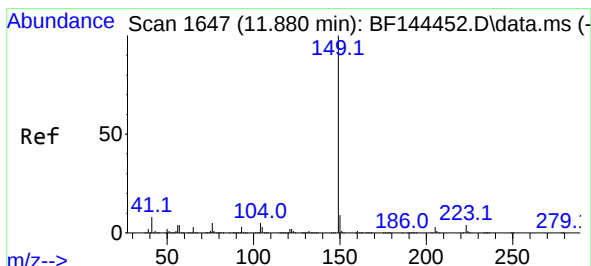
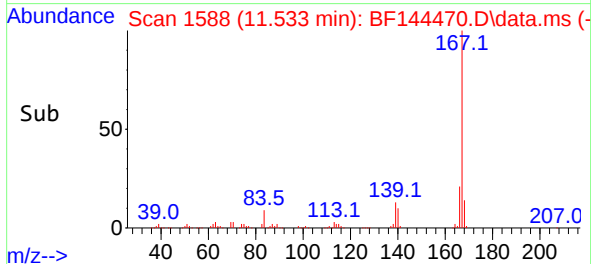
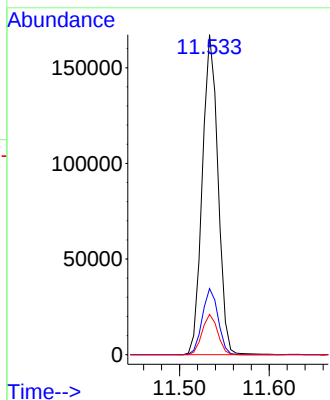
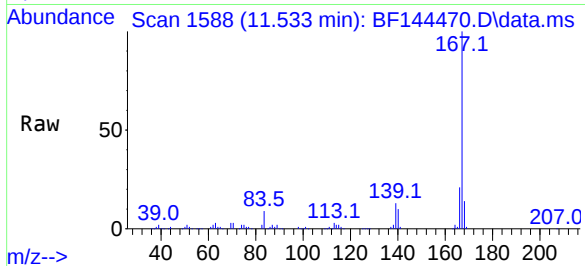




#73
 Carbazole
 Concen: 4.057 ng
 RT: 11.533 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF144470.D
 Acq: 15 Dec 2025 13:12

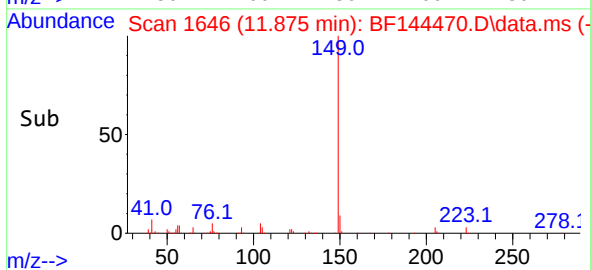
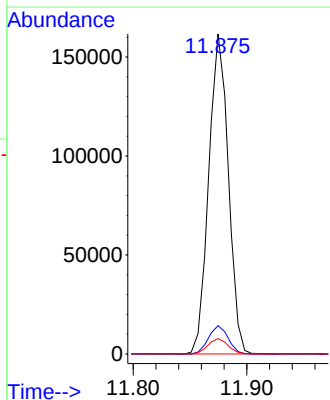
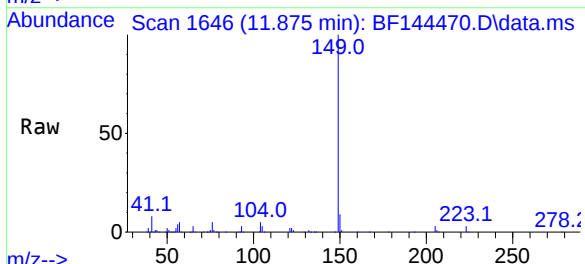
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

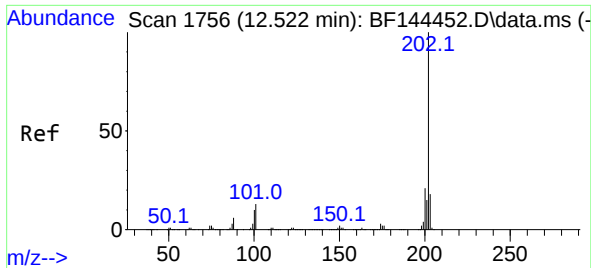
Tgt Ion:167 Resp: 202475
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.4 26.2
 139 12.6 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 3.631 ng
 RT: 11.875 min Scan# 1646
 Delta R.T. -0.006 min
 Lab File: BF144470.D
 Acq: 15 Dec 2025 13:12

Tgt Ion:149 Resp: 193709
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.5 11.3
 104 4.8 3.9 5.9



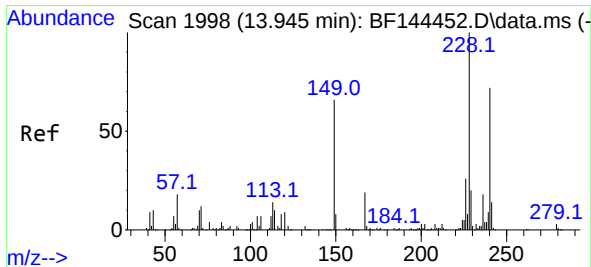
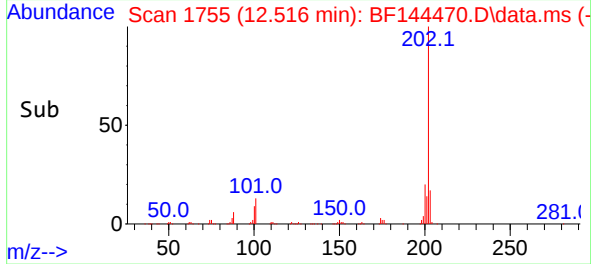
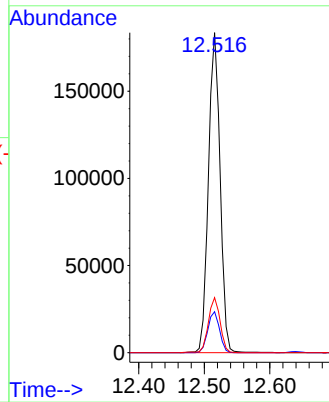
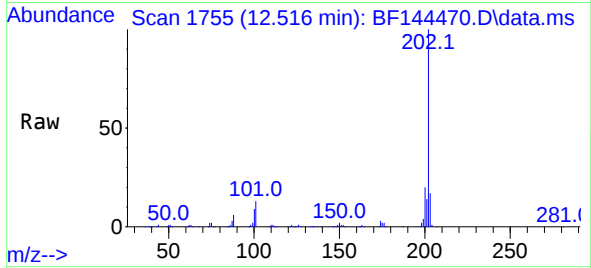


#75
Fluoranthene
Concen: 4.058 ng
RT: 12.516 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:202 Resp: 227616

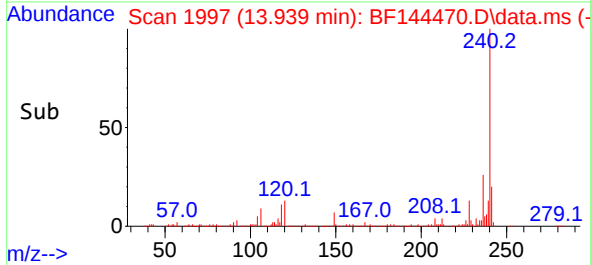
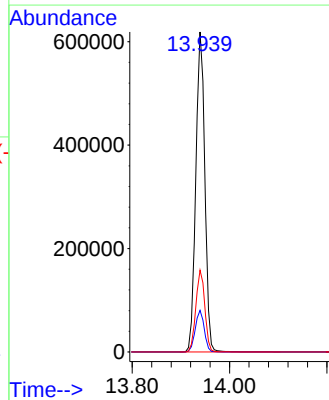
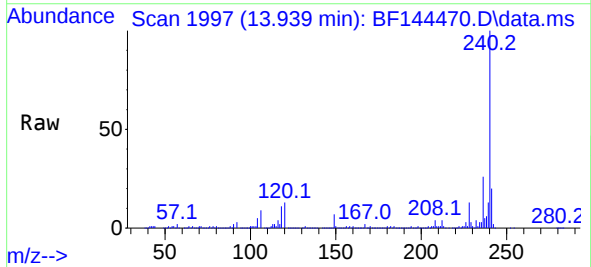
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.9
203	17.2	0.0	37.8

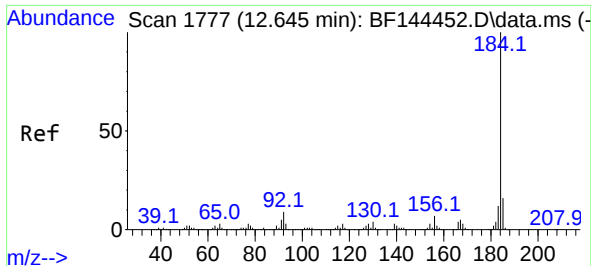


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:240 Resp: 798537

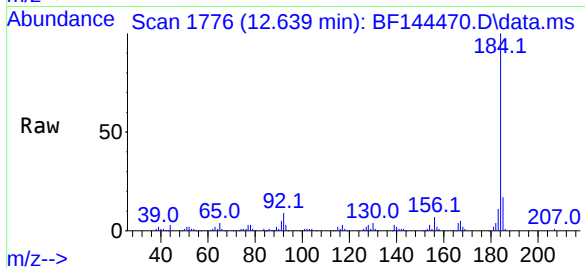
Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.3	15.5
236	25.5	20.2	30.4



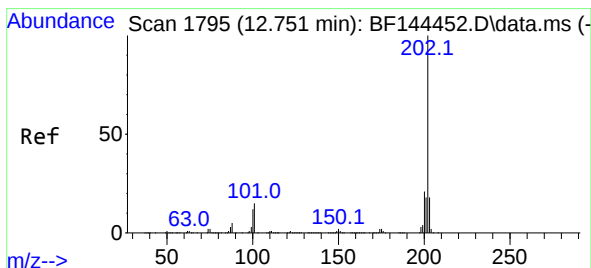
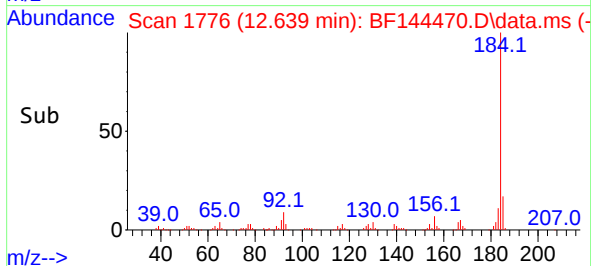
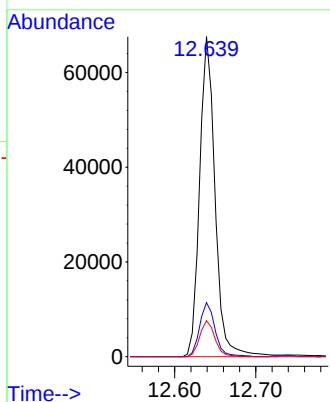


#77
Benzidine
Concen: 3.143 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

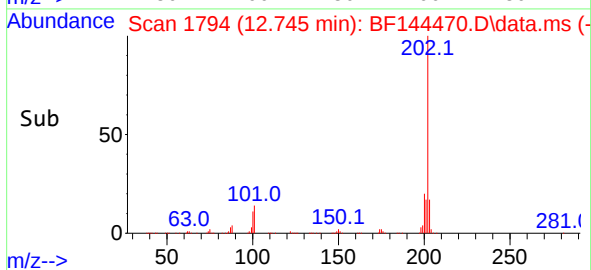
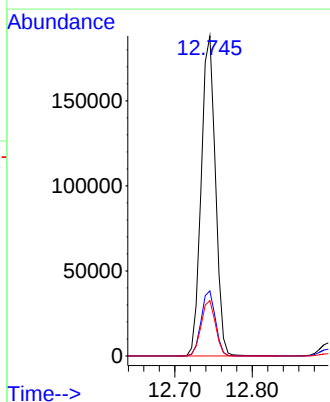
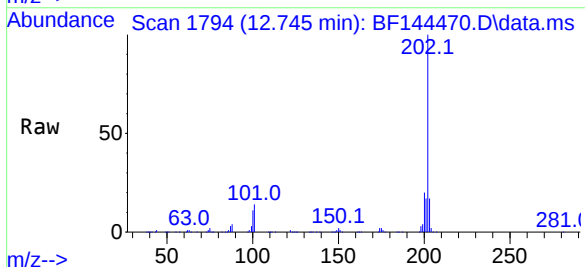


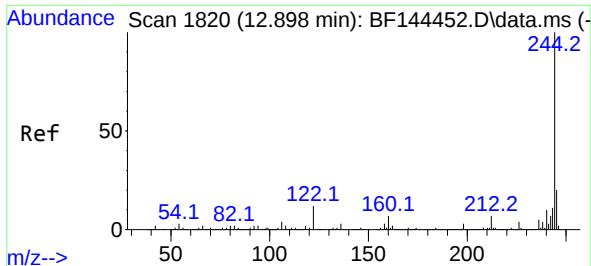
Tgt Ion:184 Resp: 89353
Ion Ratio Lower Upper
184 100
185 16.9 12.6 18.8
183 11.2 9.4 14.0



#78
Pyrene
Concen: 3.274 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:202 Resp: 239560
Ion Ratio Lower Upper
202 100
200 20.4 16.9 25.3
203 17.3 14.2 21.4

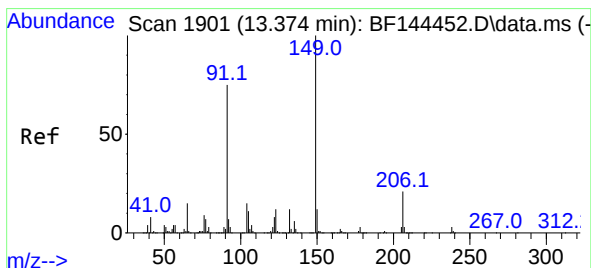
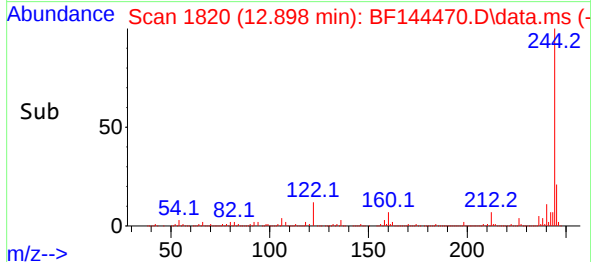
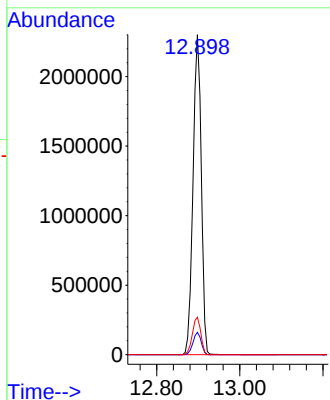
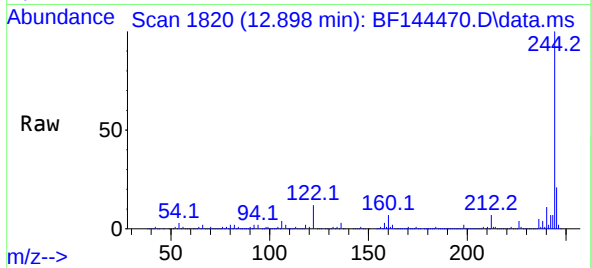




#79
 Terphenyl-d14
 Concen: 62.660 ng
 RT: 12.898 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF144470.D
 Acq: 15 Dec 2025 13:12

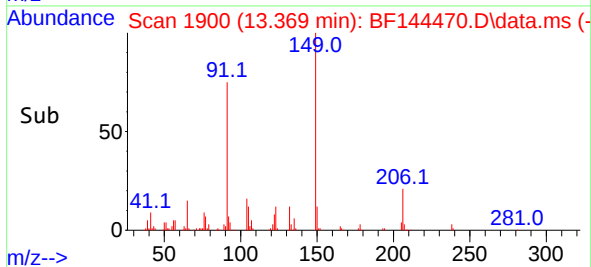
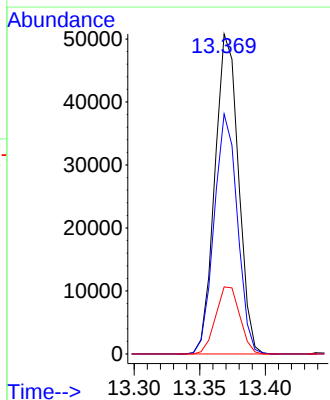
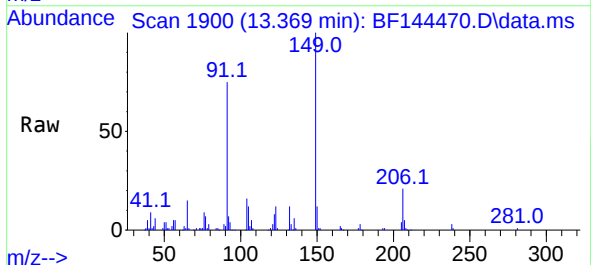
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

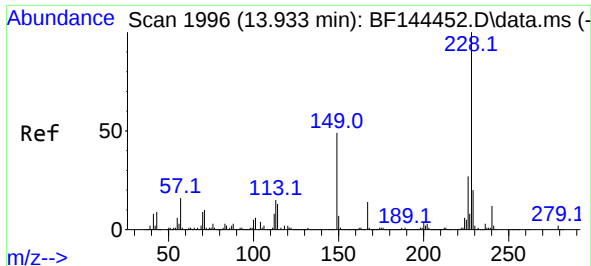
Tgt Ion:244 Resp: 3169271
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 11.7 9.9 14.9



#80
 Butylbenzylphthalate
 Concen: 5.702 ng
 RT: 13.369 min Scan# 1900
 Delta R.T. -0.005 min
 Lab File: BF144470.D
 Acq: 15 Dec 2025 13:12

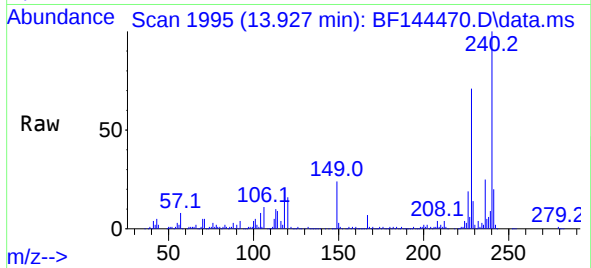
Tgt Ion:149 Resp: 63487
 Ion Ratio Lower Upper
 149 100
 91 75.0 59.8 89.8
 206 21.0 17.0 25.6



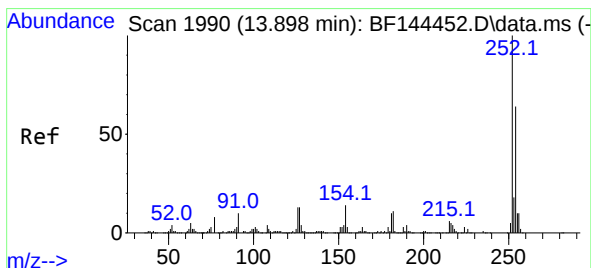
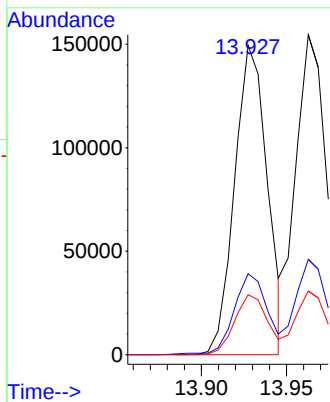
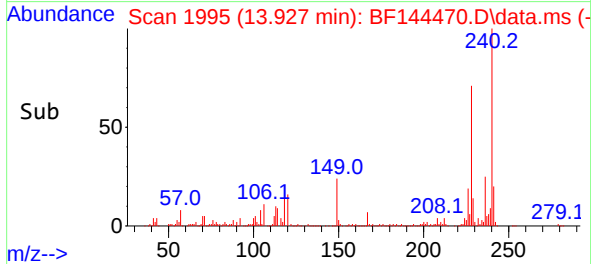


#81
Benzo(a)anthracene
Concen: 3.546 ng
RT: 13.927 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

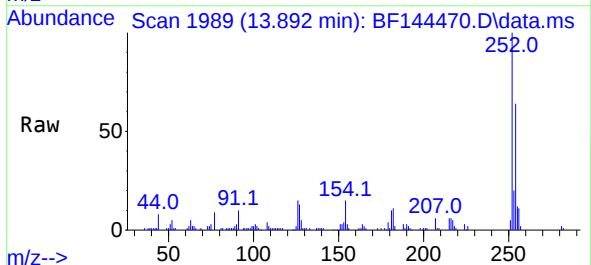
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



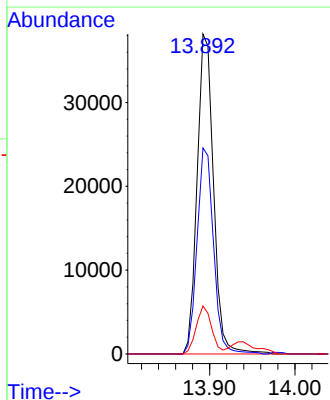
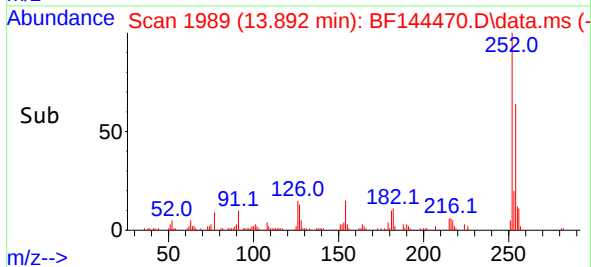
Tgt Ion:228 Resp: 199434
Ion Ratio Lower Upper
228 100
226 26.2 21.9 32.9
229 19.4 16.1 24.1

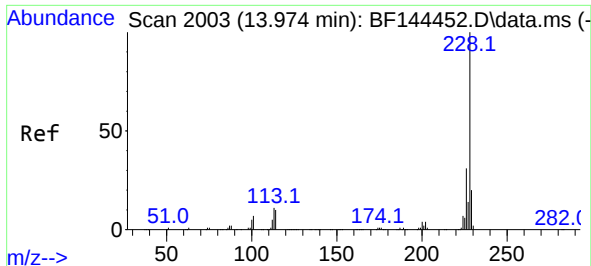


#82
3,3'-Dichlorobenzidine
Concen: 3.204 ng
RT: 13.892 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12



Tgt Ion:252 Resp: 51049
Ion Ratio Lower Upper
252 100
254 64.4 51.1 76.7
126 15.0 10.4 15.6

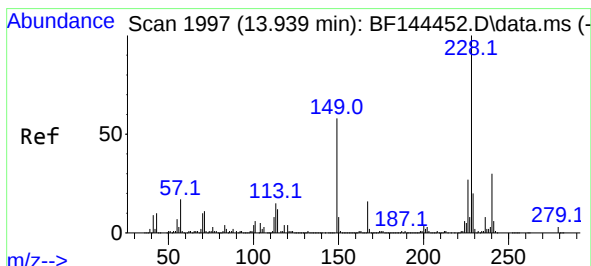
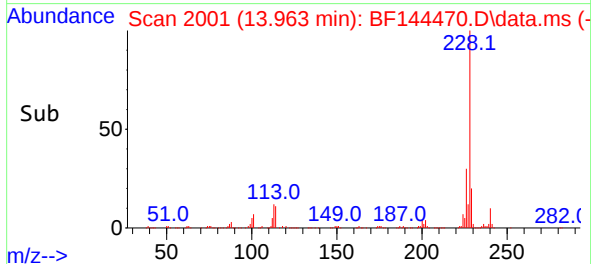
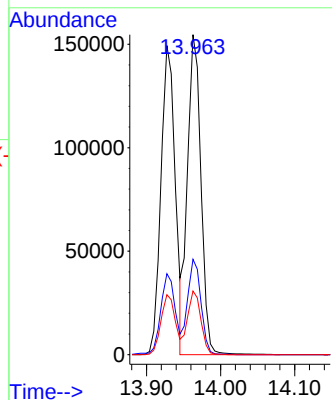
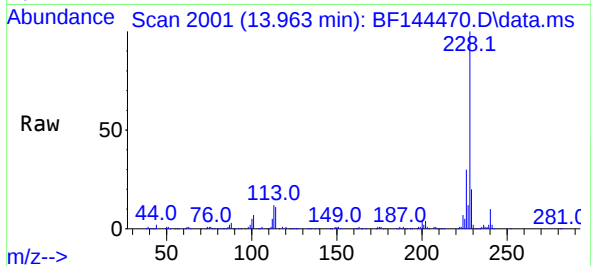




#83
Chrysene
Concen: 3.817 ng
RT: 13.963 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

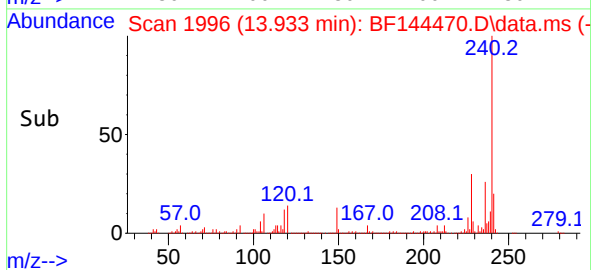
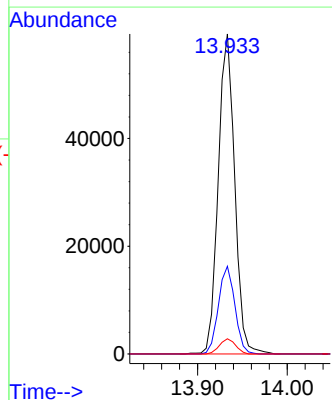
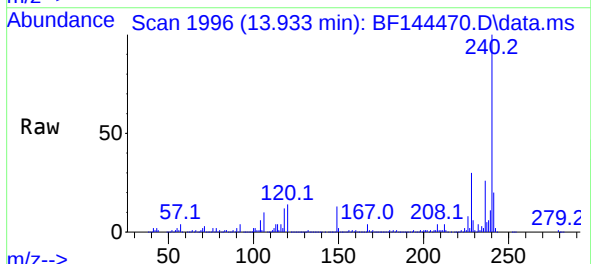
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

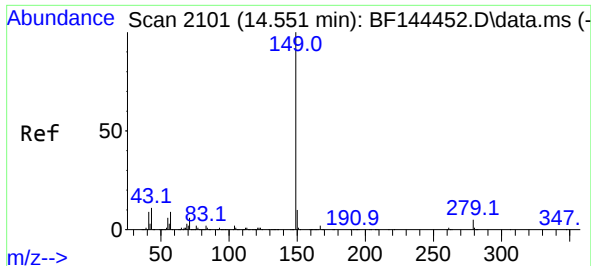
Tgt Ion:228	Resp: 196419
Ion Ratio	Lower Upper
228 100	
226 29.8	24.3 36.5
229 19.9	15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.427 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:149	Resp: 75581
Ion Ratio	Lower Upper
149 100	
167 27.4	22.6 34.0
279 4.8	3.7 5.5

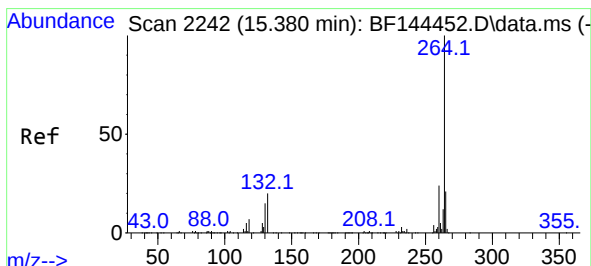
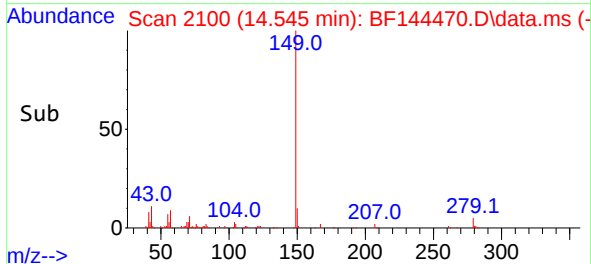
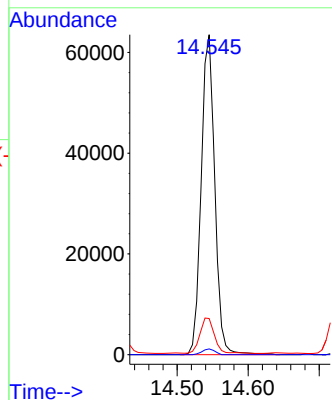
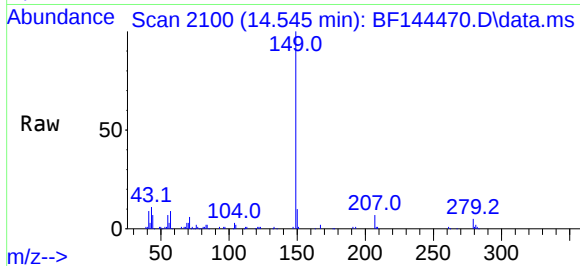




#85
Di-n-octyl phthalate
Concen: 8.187 ng
RT: 14.545 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

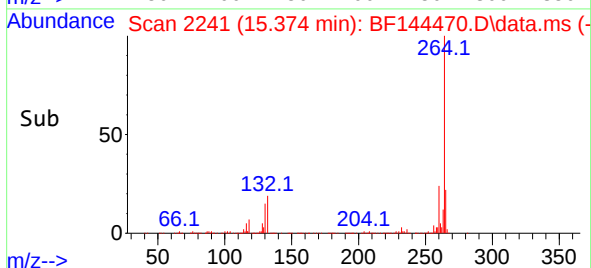
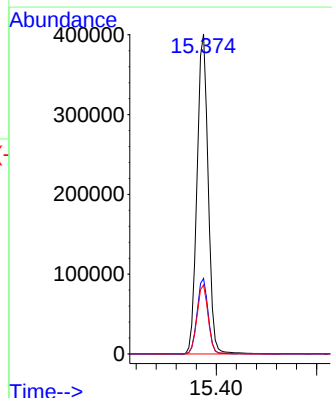
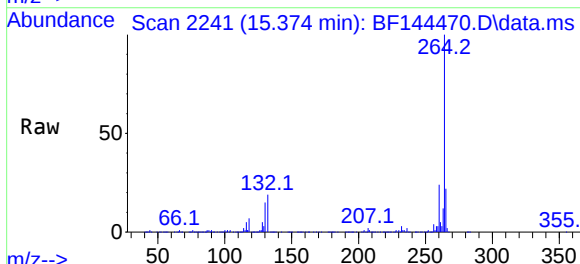
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

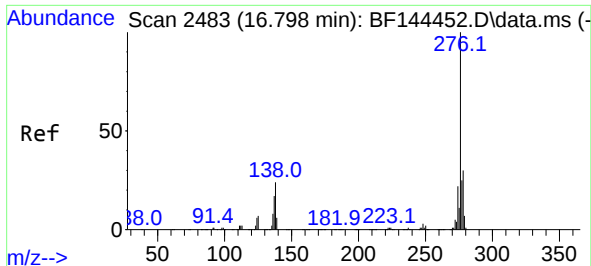
Tgt Ion:149 Resp: 84522
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 11.8 9.2 13.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:264 Resp: 615507
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.5 17.1 25.7

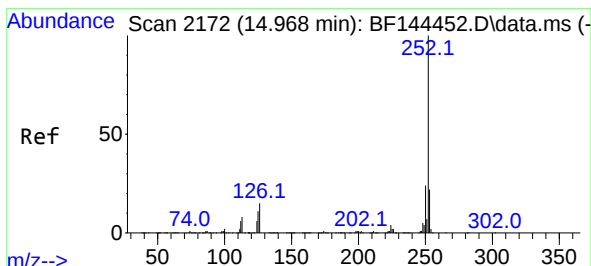
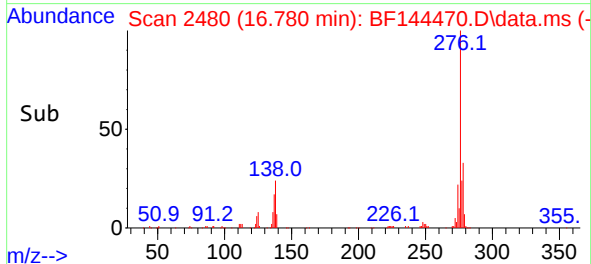
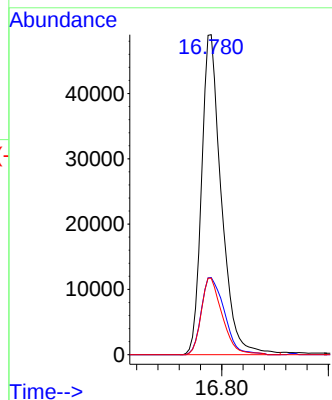
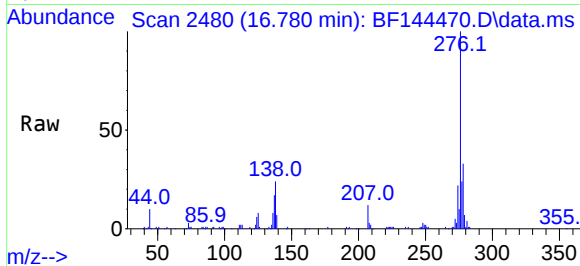




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.861 ng
 RT: 16.780 min Scan# 24
 Delta R.T. -0.018 min
 Lab File: BF144470.D
 Acq: 15 Dec 2025 13:12

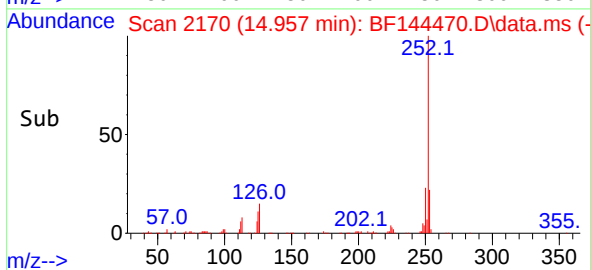
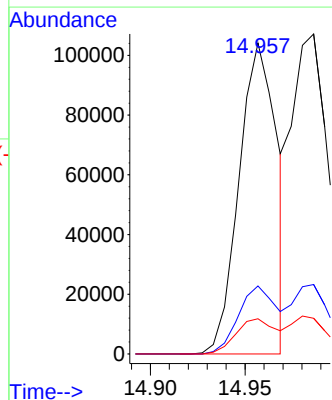
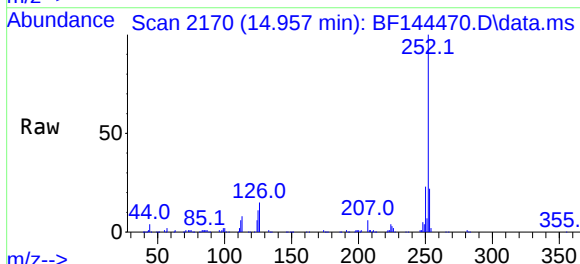
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

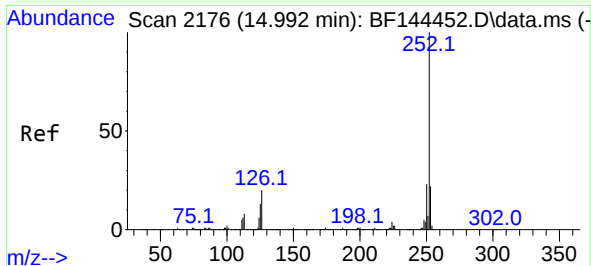
Tgt Ion:276 Resp: 126383
 Ion Ratio Lower Upper
 276 100
 138 28.1 21.9 32.9
 277 25.4 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 3.585 ng
 RT: 14.957 min Scan# 2170
 Delta R.T. -0.012 min
 Lab File: BF144470.D
 Acq: 15 Dec 2025 13:12

Tgt Ion:252 Resp: 144871
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.7 26.5
 125 11.3 9.0 13.4

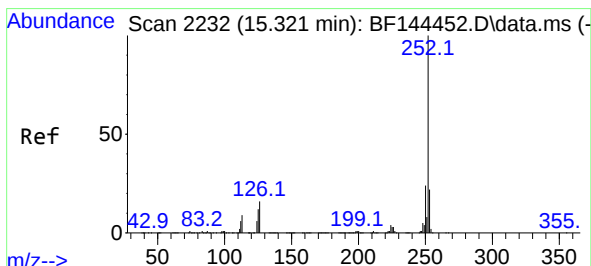
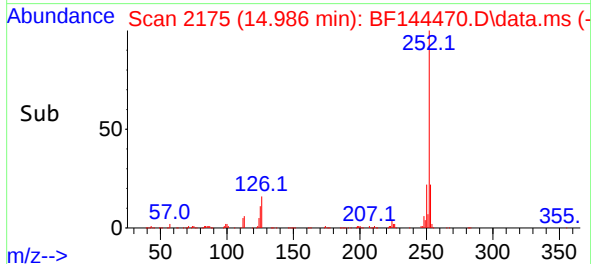
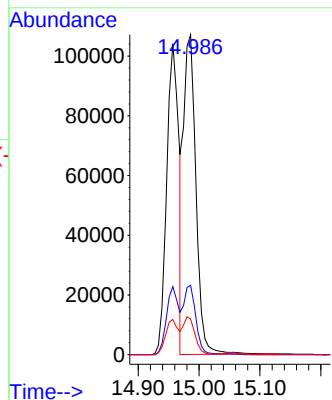
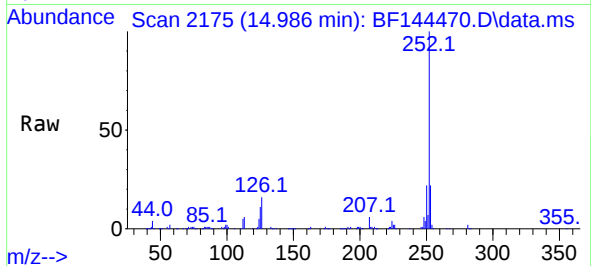




#89
Benzo(k)fluoranthene
Concen: 3.977 ng
RT: 14.986 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

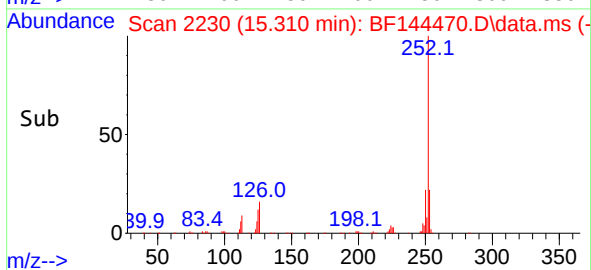
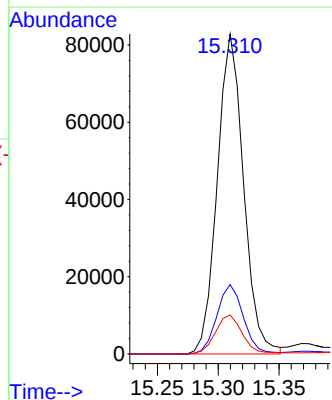
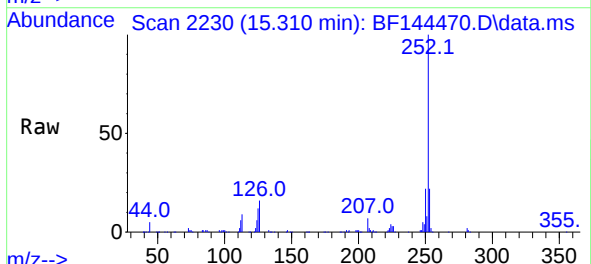
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

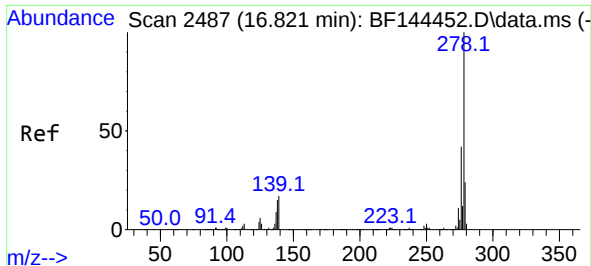
Tgt Ion:252 Resp: 151961
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 11.1 9.7 14.5



#90
Benzo(a)pyrene
Concen: 3.527 ng
RT: 15.310 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:252 Resp: 124565
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 12.2 9.9 14.9

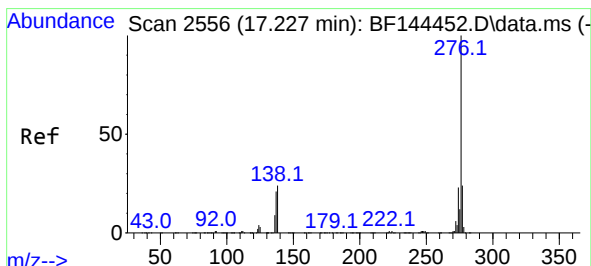
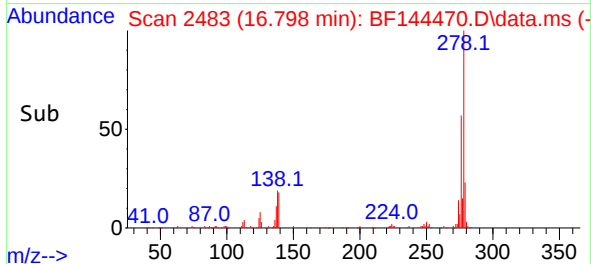
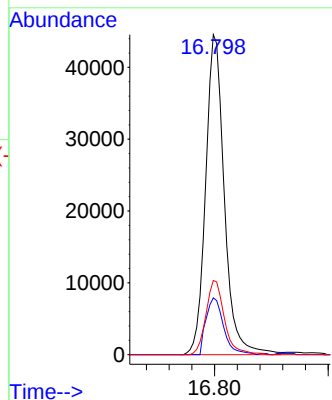
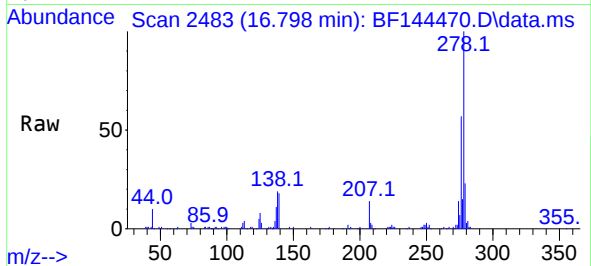




#91
Dibenzo(a,h)anthracene
Concen: 2.852 ng
RT: 16.798 min Scan# 2483
Delta R.T. -0.024 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:278 Resp: 101756
Ion Ratio Lower Upper
278 100
139 17.7 13.6 20.4
279 23.2 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 2.884 ng
RT: 17.204 min Scan# 2552
Delta R.T. -0.024 min
Lab File: BF144470.D
Acq: 15 Dec 2025 13:12

Tgt Ion:276 Resp: 104623
Ion Ratio Lower Upper
276 100
277 23.6 18.8 28.2
138 23.4 19.4 29.2

