

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144471.D
 Acq On : 15 Dec 2025 13:41
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOD-SOIL-8NG
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 15 14:01:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	221662	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	771541	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	412563	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	704056	20.000	ng	0.00
76) Chrysene-d12	13.939	240	546898	20.000	ng	0.00
86) Perylene-d12	15.374	264	394256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1866730	126.980	ng	0.00
7) Phenol-d6	6.416	99	2057840	112.225	ng	0.00
23) Nitrobenzene-d5	7.357	82	1236186	100.264	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	524208	140.540	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2213068	82.291	ng	0.00
79) Terphenyl-d14	12.898	244	2553845	73.724	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.493	88	64574	9.135	ng	96
3) Pyridine	3.269	79	135569	6.974	ng	98
4) n-Nitrosodimethylamine	3.152	42	64254	7.606	ng	95
6) Aniline	6.457	93	185807	7.264	ng	98
8) 2-Chlorophenol	6.575	128	127809	8.109	ng	89
9) Benzaldehyde	6.340	77	92220	6.424	ng	99
10) Phenol	6.428	94	162360	7.502	ng	# 73
11) bis(2-Chloroethyl)ether	6.528	93	113573	7.180	ng	99
12) 1,3-Dichlorobenzene	6.734	146	145466	8.542	ng	98
13) 1,4-Dichlorobenzene	6.810	146	144170	8.438	ng	99
14) 1,2-Dichlorobenzene	6.963	146	134742	8.304	ng	99
15) Benzyl Alcohol	6.928	79	95968	7.101	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	178452	6.685	ng	98
17) 2-Methylphenol	7.034	107	94563	7.118	ng	98
18) Hexachloroethane	7.310	117	47549	8.009	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	79640	6.876	ng	98
20) 3+4-Methylphenols	7.187	107	120489	7.381	ng	# 86
22) Acetophenone	7.198	105	162225	8.477	ng	96
24) Nitrobenzene	7.369	77	122925	9.191	ng	99
25) Isophorone	7.610	82	211824	7.613	ng	99
26) 2-Nitrophenol	7.686	139	43377	11.075	ng	99
27) 2,4-Dimethylphenol	7.722	122	84554	6.369	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	135045	7.876	ng	97
29) 2,4-Dichlorophenol	7.922	162	91318	8.278	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	103434	8.645	ng	97
31) Naphthalene	8.092	128	344129	8.287	ng	99
32) Benzoic acid	7.769	122	35337	10.491	ng	99
33) 4-Chloroaniline	8.139	127	134626	8.066	ng	98
34) Hexachlorobutadiene	8.216	225	60104	8.124	ng	98
35) Caprolactam	8.469	113	26638	7.312	ng	97
36) 4-Chloro-3-methylphenol	8.610	107	94378	7.881	ng	100
37) 2-Methylnaphthalene	8.786	142	201059	7.359	ng	99
38) 1-Methylnaphthalene	8.886	142	209055	7.858	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	101119	8.612	ng	98
41) Hexachlorocyclopentadiene	8.939	237	36693	5.280	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	61423	8.238	ng	98

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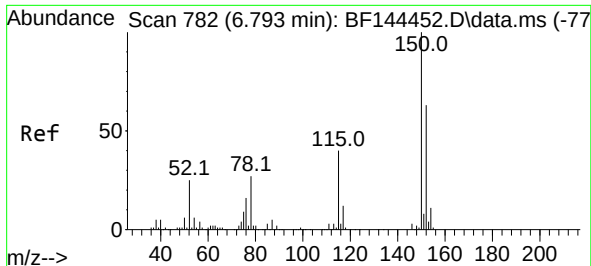
Quant Time: Dec 15 14:01:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.092	196	63424	8.104	ng	99
46) 1,1'-Biphenyl	9.251	154	277496	8.607	ng	98
47) 2-Chloronaphthalene	9.275	162	205217	8.338	ng	98
48) 2-Nitroaniline	9.363	65	49417	10.103	ng	99
49) Acenaphthylene	9.686	152	325319	8.342	ng	98
50) Dimethylphthalate	9.545	163	226901	8.142	ng	99
51) 2,6-Dinitrotoluene	9.604	165	41619	11.394	ng	96
52) Acenaphthene	9.857	154	203029	8.350	ng	99
53) 3-Nitroaniline	9.769	138	51645	10.755	ng	98
54) 2,4-Dinitrophenol	9.875	184	10487	11.666	ng	# 48
55) Dibenzofuran	10.028	168	290795	8.406	ng	97
56) 4-Nitrophenol	9.916	139	37478	7.897	ng	97
57) 2,4-Dinitrotoluene	10.004	165	51130	10.624	ng	95
58) Fluorene	10.369	166	232173	8.863	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	55710	9.378	ng	97
60) Diethylphthalate	10.245	149	210999	7.989	ng	99
61) 4-Chlorophenyl-phenylether	10.369	204	109771	8.541	ng	98
62) 4-Nitroaniline	10.375	138	47986	9.894	ng	98
63) Azobenzene	10.527	77	220420	7.896	ng	99
65) 4,6-Dinitro-2-methylphthalate	10.410	198	17002	11.665	ng	93
66) n-Nitrosodiphenylamine	10.480	169	197001	8.165	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	63992	7.786	ng	100
68) Hexachlorobenzene	10.916	284	73205	8.068	ng	97
69) Atrazine	11.004	200	61565	8.146	ng	99
70) Pentachlorophenol	11.104	266	38845	7.506	ng	97
71) Phenanthrene	11.327	178	341881	8.423	ng	99
72) Anthracene	11.380	178	335277	8.161	ng	98
73) Carbazole	11.533	167	309006	8.664	ng	98
74) Di-n-butylphthalate	11.874	149	312873	8.207	ng	99
75) Fluoranthene	12.516	202	346695	8.650	ng	99
77) Benzidine	12.639	184	107798	5.536	ng	98
78) Pyrene	12.745	202	361126	7.207	ng	99
80) Butylbenzylphthalate	13.368	149	101960	8.990	ng	99
81) Benzo(a)anthracene	13.927	228	293321	7.616	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	80573	7.383	ng	99
83) Chrysene	13.963	228	285690	8.105	ng	99
84) Bis(2-ethylhexyl)phthalate	13.933	149	123807	8.935	ng	99
85) Di-n-octyl phthalate	14.545	149	137710	10.510	ng	99
87) Indeno(1,2,3-cd)pyrene	16.780	276	201115	7.107	ng	99
88) Benzo(b)fluoranthene	14.957	252	206379	7.974	ng	100
89) Benzo(k)fluoranthene	14.986	252	225523	9.215	ng	97
90) Benzo(a)pyrene	15.310	252	184416	8.151	ng	100
91) Dibenzo(a,h)anthracene	16.798	278	164321	7.190	ng	98
92) Benzo(g,h,i)perylene	17.204	276	165507	7.122	ng	98

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

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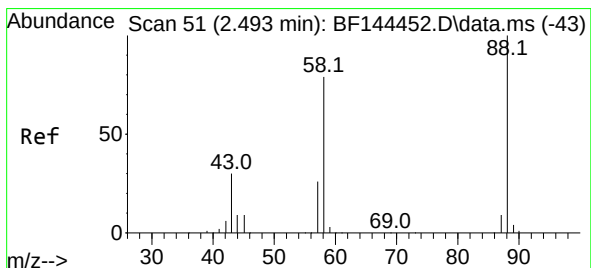
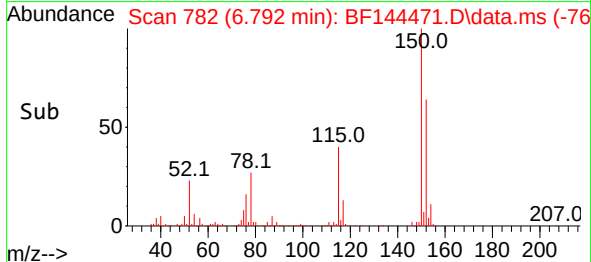
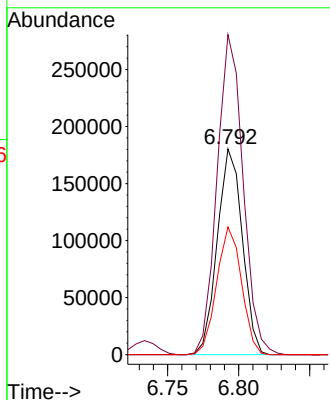
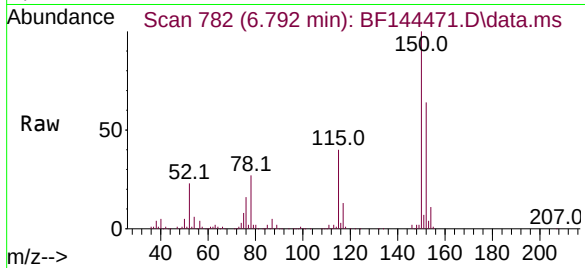




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 782
 Delta R.T. -0.001 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

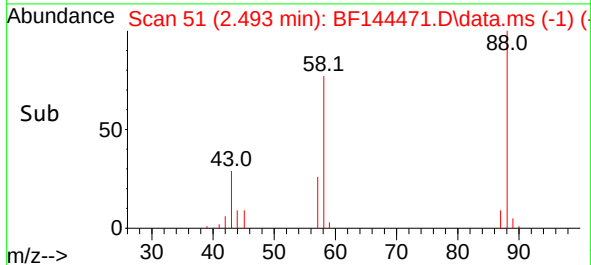
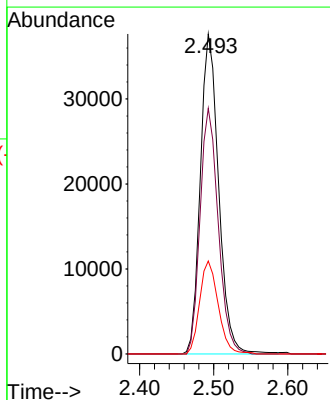
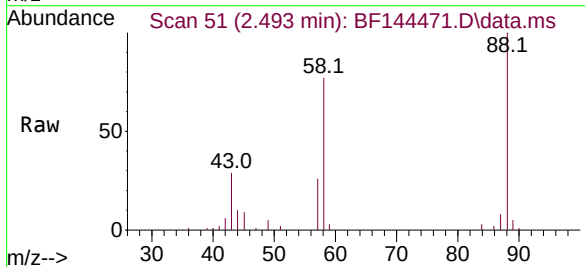
Instrument :
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 LOD-MDL-SOIL-01-QT4-2025

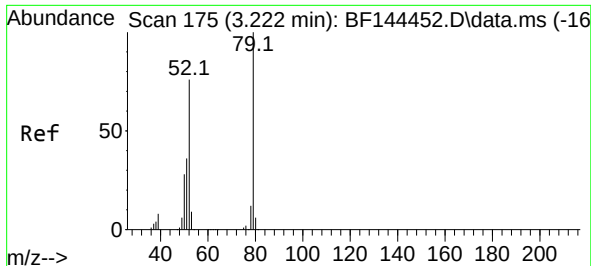
Tgt Ion:152 Resp: 221662
 Ion Ratio Lower Upper
 152 100
 150 155.6 127.4 191.2
 115 62.1 51.4 77.0



#2
 1,4-Dioxane
 Concen: 9.135 ng
 RT: 2.493 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

Tgt Ion: 88 Resp: 64574
 Ion Ratio Lower Upper
 88 100
 58 76.0 63.9 95.9
 43 29.3 24.2 36.4





#3

Pyridine

Concen: 6.974 ng

RT: 3.269 min Scan# 18

Delta R.T. 0.047 min

Lab File: BF144471.D

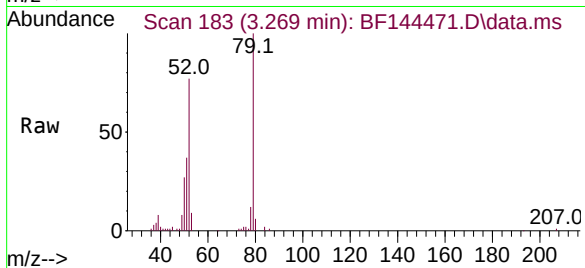
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Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



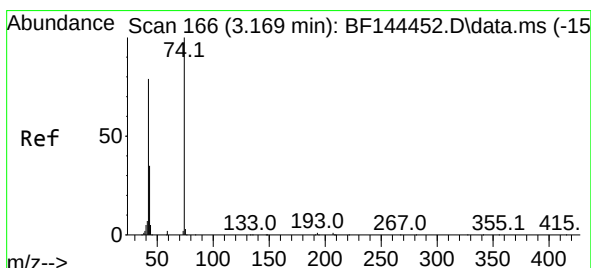
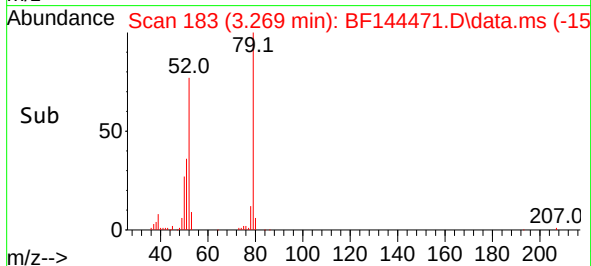
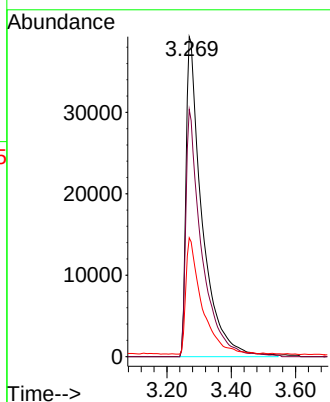
Tgt Ion: 79 Resp: 135569

Ion Ratio Lower Upper

79 100

52 77.2 60.5 90.7

51 37.1 29.0 43.6



#4

n-Nitrosodimethylamine

Concen: 7.606 ng

RT: 3.152 min Scan# 163

Delta R.T. -0.018 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

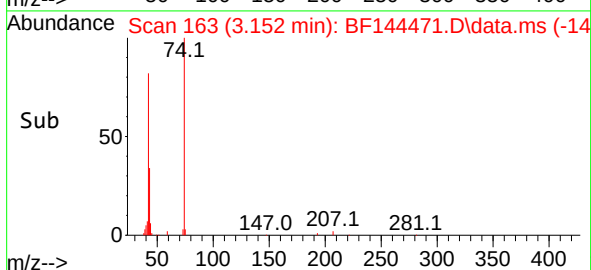
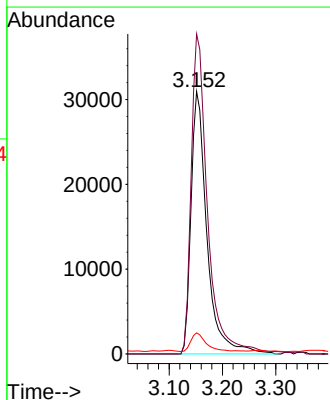
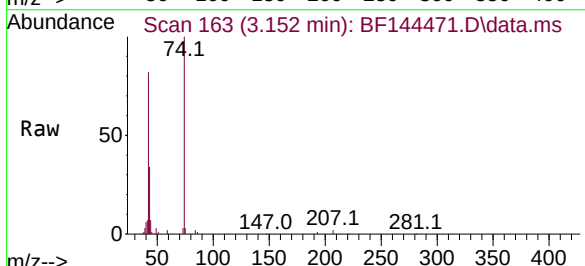
Tgt Ion: 42 Resp: 64254

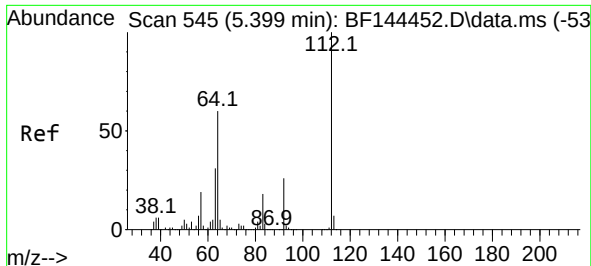
Ion Ratio Lower Upper

42 100

74 121.9 101.8 152.8

44 8.0 5.7 8.5

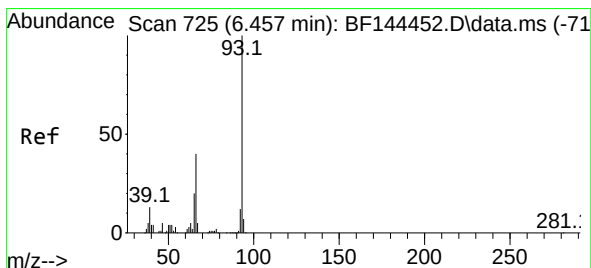
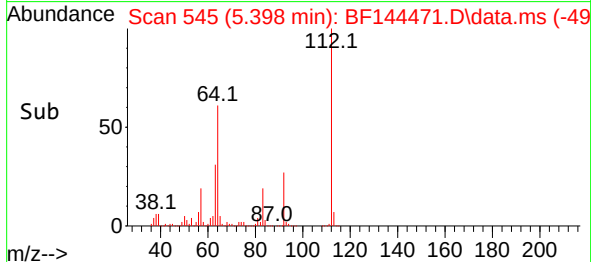
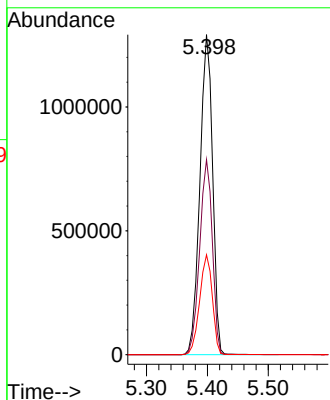
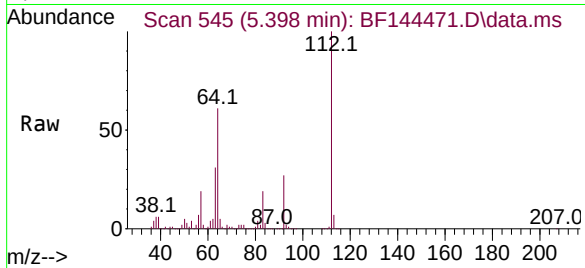




#5
2-Fluorophenol
Concen: 126.980 ng
RT: 5.398 min Scan# 54
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

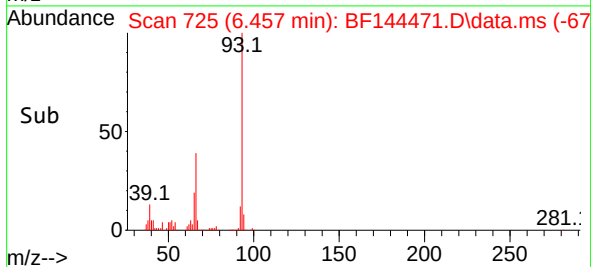
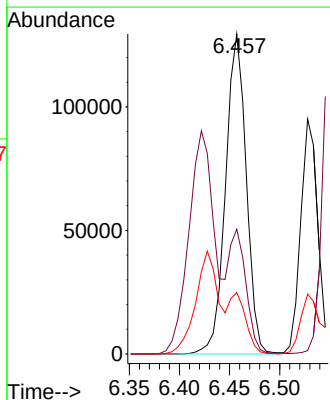
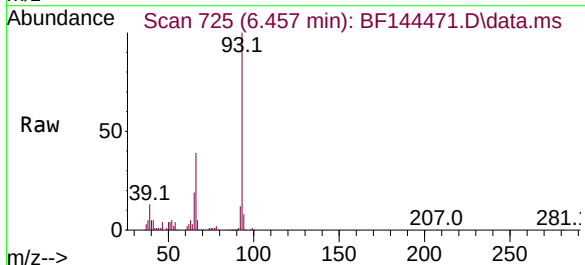
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ClientSampleId :
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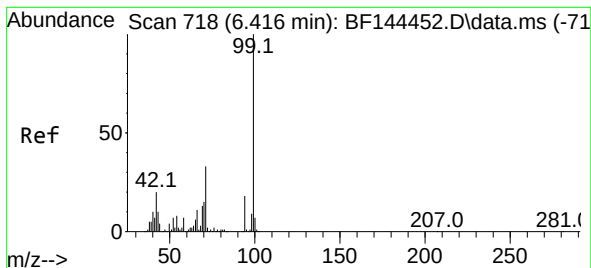
Tgt Ion:112 Resp: 1866730
Ion Ratio Lower Upper
112 100
64 60.9 47.8 71.6
63 31.2 24.6 37.0



#6
Aniline
Concen: 7.264 ng
RT: 6.457 min Scan# 725
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion: 93 Resp: 185807
Ion Ratio Lower Upper
93 100
66 39.0 32.4 48.6
65 19.2 16.1 24.1





#7

Phenol-d6

Concen: 112.225 ng

RT: 6.416 min Scan# 718

Delta R.T. -0.000 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

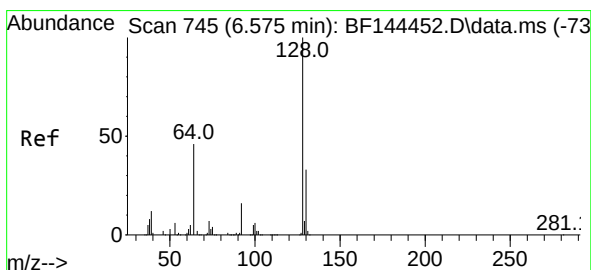
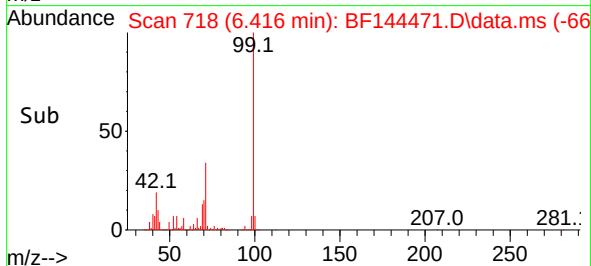
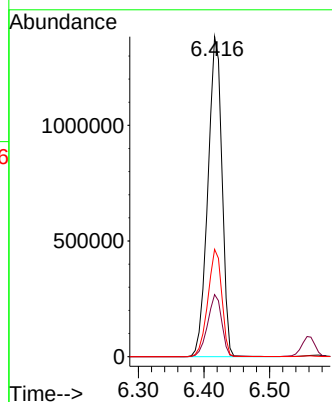
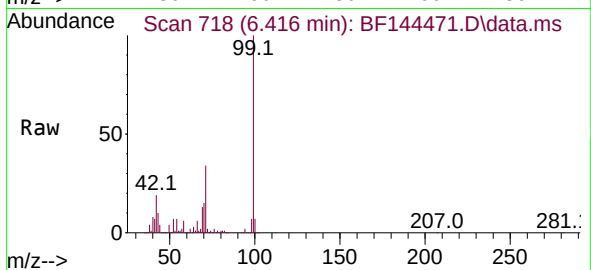
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 99 Resp: 2057840

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.7	23.5
71	33.5	26.4	39.6



#8

2-Chlorophenol

Concen: 8.109 ng

RT: 6.575 min Scan# 745

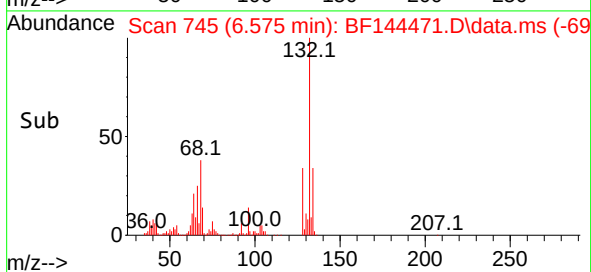
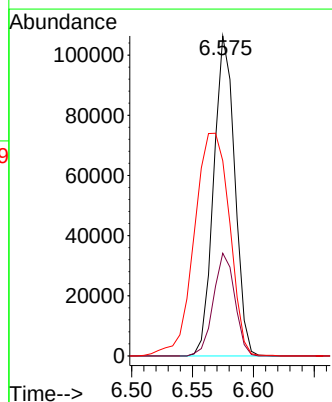
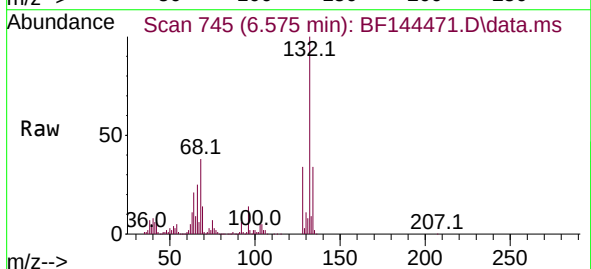
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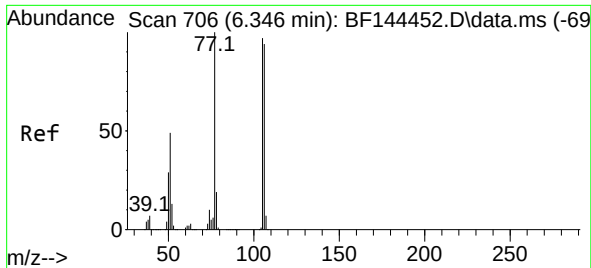
Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Tgt Ion:128 Resp: 127809

Ion	Ratio	Lower	Upper
128	100		
130	32.1	13.0	53.0
64	61.0	28.9	68.9

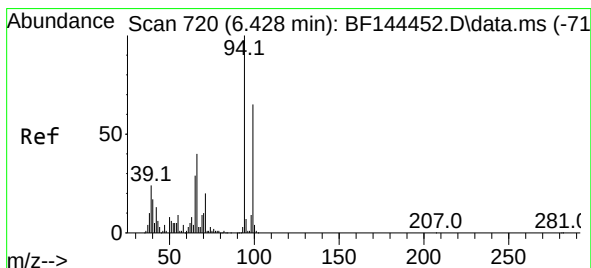
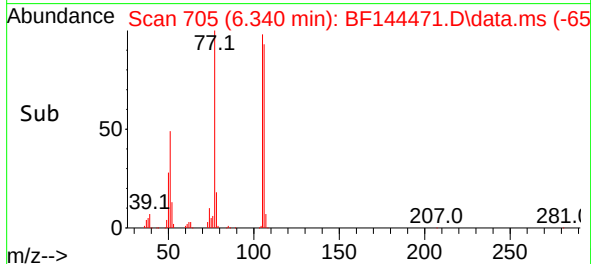
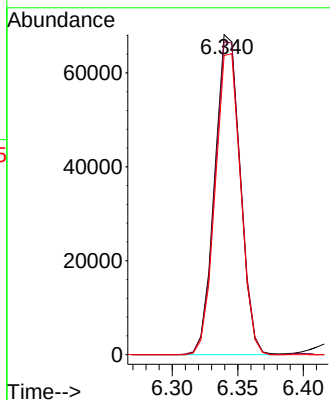
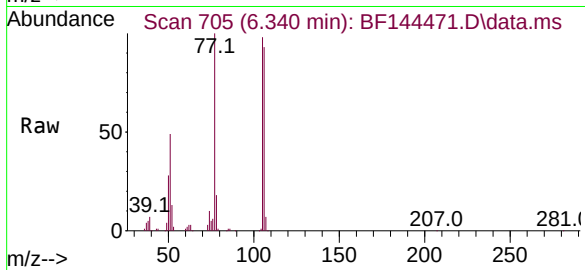




#9
Benzaldehyde
Concen: 6.424 ng
RT: 6.340 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

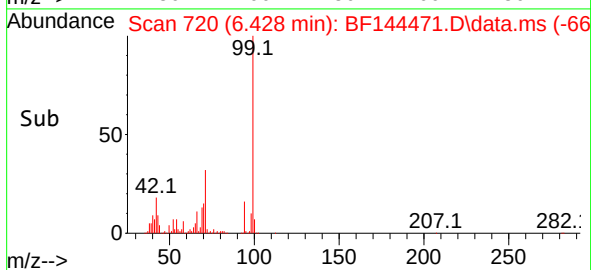
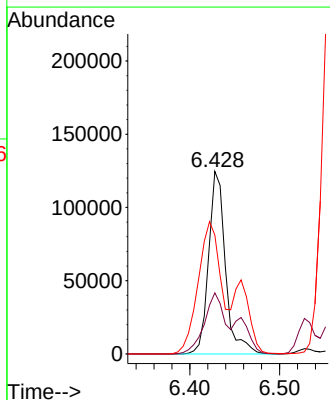
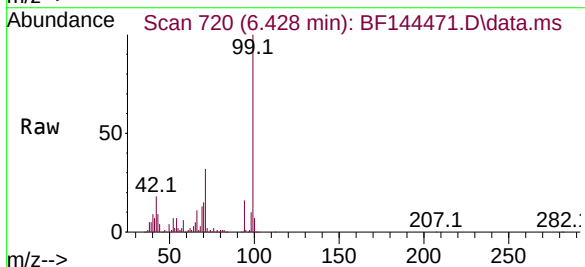
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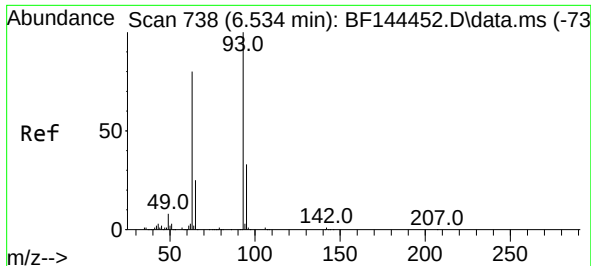
Tgt Ion: 77 Resp: 92220
Ion Ratio Lower Upper
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105 97.7 77.0 117.0
106 93.5 74.1 114.1



#10
Phenol
Concen: 7.502 ng
RT: 6.428 min Scan# 720
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion: 94 Resp: 162360
Ion Ratio Lower Upper
94 100
65 33.4 9.1 49.1
66 65.1 20.3 60.3#

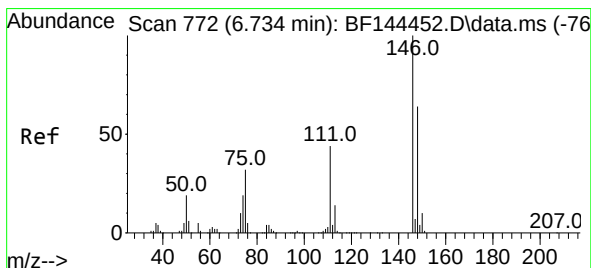
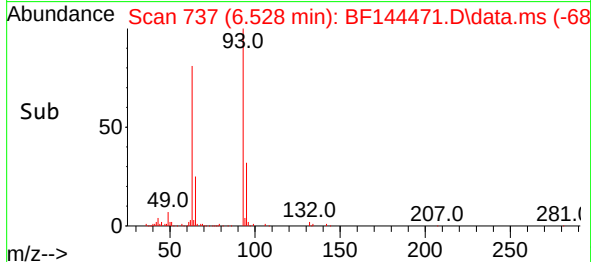
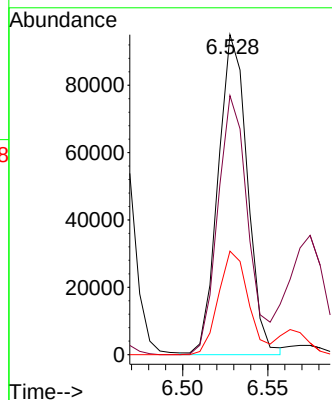
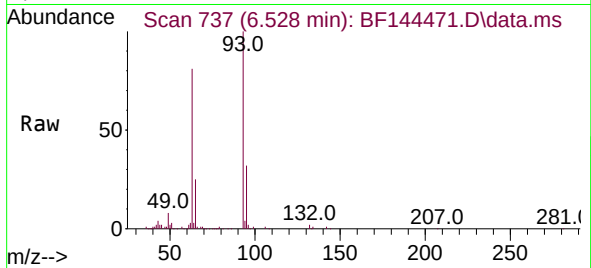




#11
bis(2-Chloroethyl)ether
Concen: 7.180 ng
RT: 6.528 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

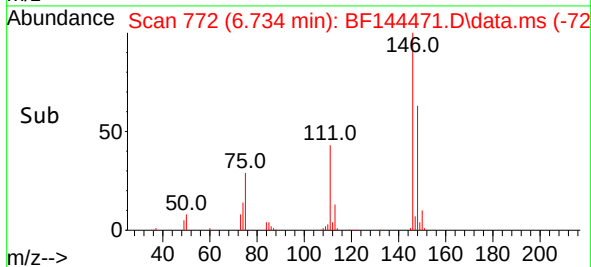
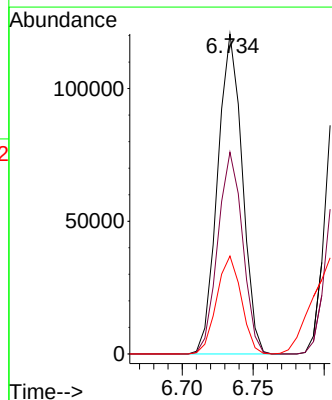
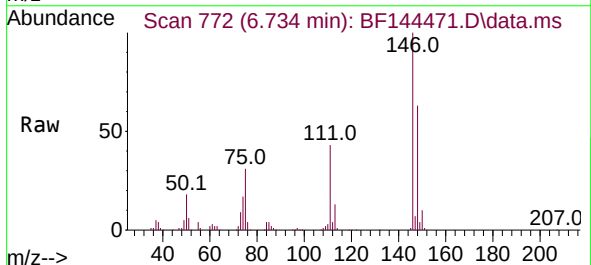
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

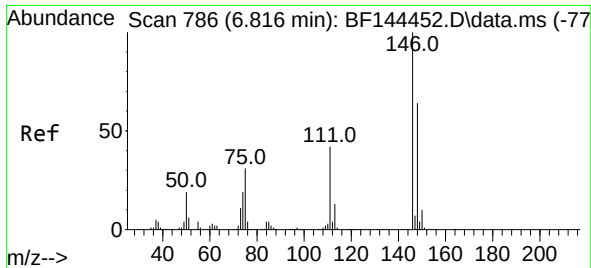
Tgt Ion: 93 Resp: 113573
Ion Ratio Lower Upper
93 100
63 80.9 59.8 99.8
95 32.3 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 8.542 ng
RT: 6.734 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:146 Resp: 145466
Ion Ratio Lower Upper
146 100
148 63.0 51.0 76.6
75 30.6 25.8 38.8

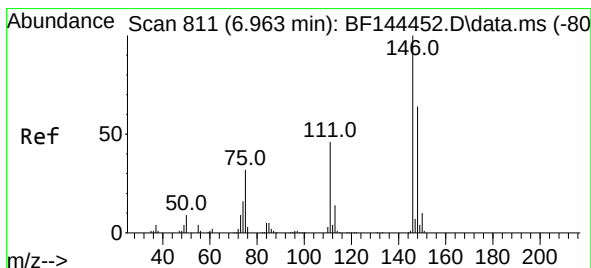
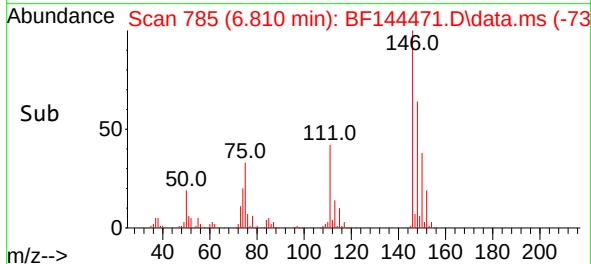
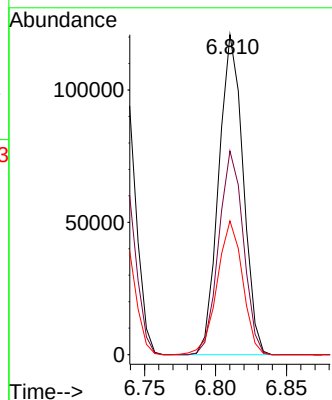
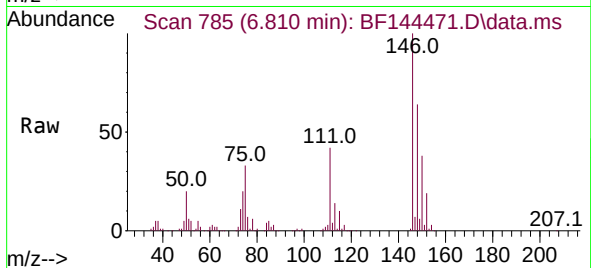




#13
1,4-Dichlorobenzene
Concen: 8.438 ng
RT: 6.810 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

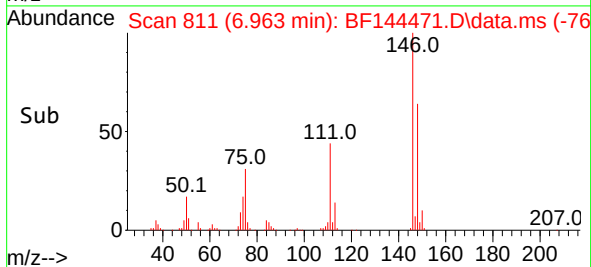
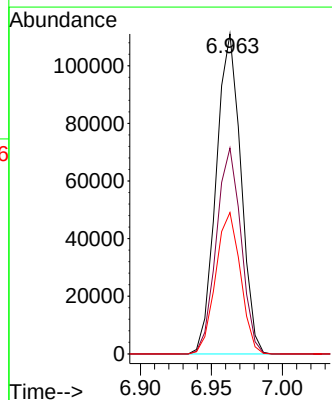
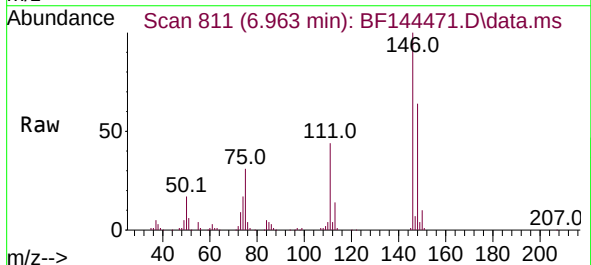
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

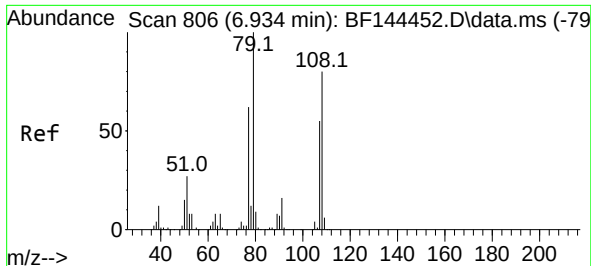
Tgt Ion:146 Resp: 144170
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
111 41.8 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 8.304 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:146 Resp: 134742
Ion Ratio Lower Upper
146 100
148 64.3 51.4 77.2
111 44.2 36.5 54.7

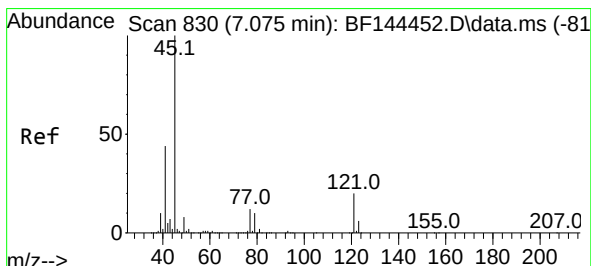
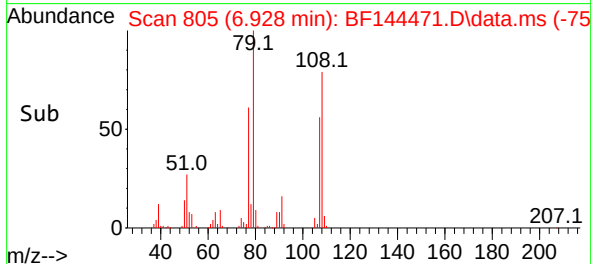
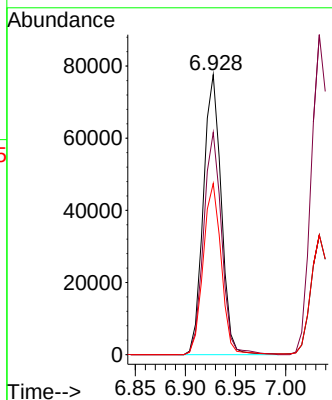
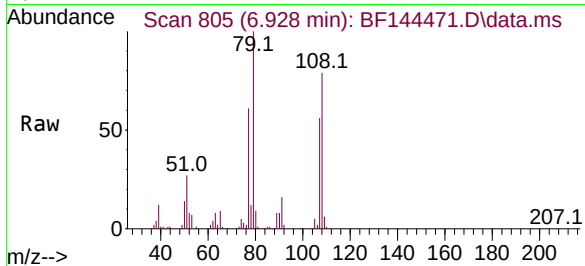




#15
Benzyl Alcohol
Concen: 7.101 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

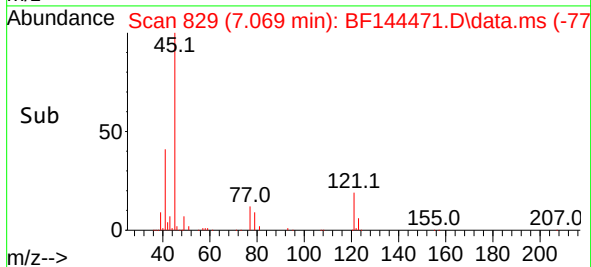
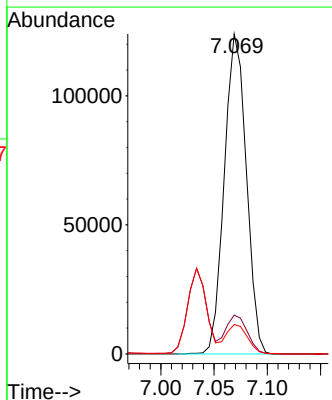
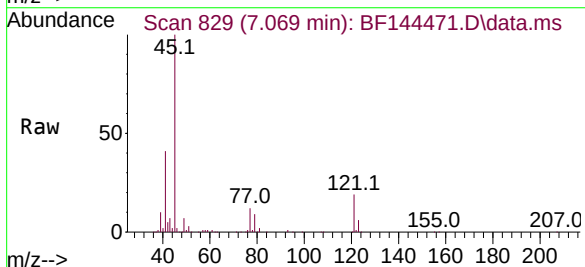
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

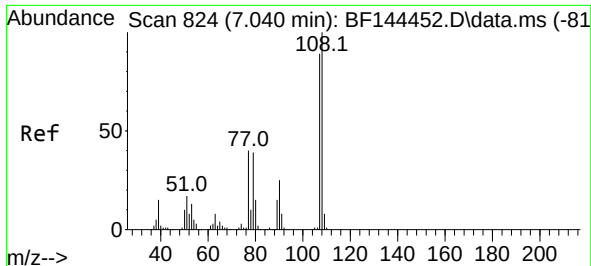
Tgt Ion: 79 Resp: 95968
Ion Ratio Lower Upper
79 100
108 79.4 63.7 95.5
77 61.1 49.3 73.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.685 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

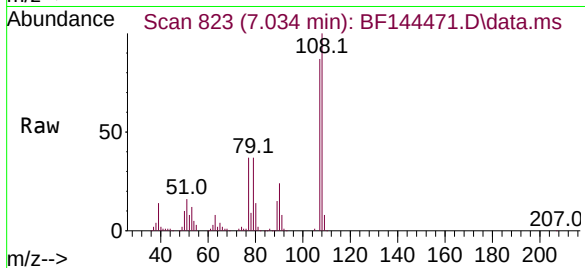
Tgt Ion: 45 Resp: 178452
Ion Ratio Lower Upper
45 100
77 12.1 0.0 32.6
79 9.2 0.0 29.9



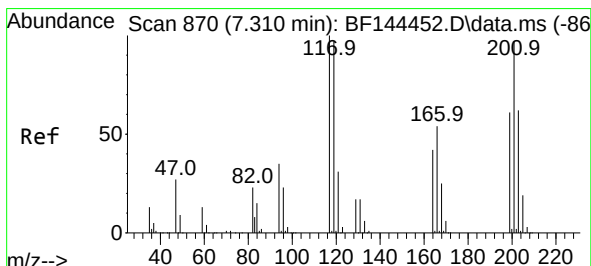
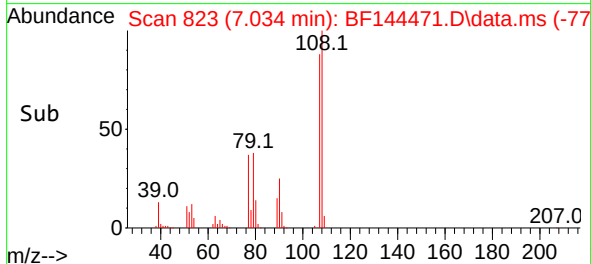
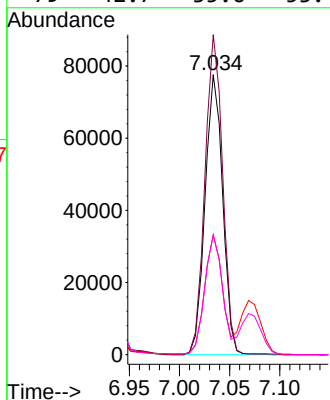


#17
2-Methylphenol
Concen: 7.118 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

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

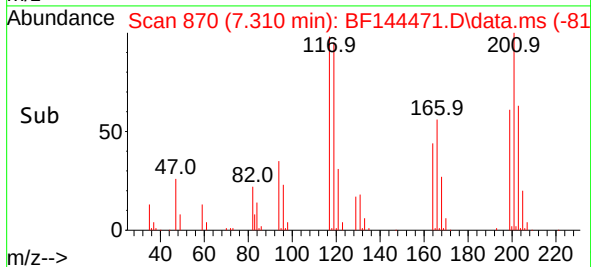
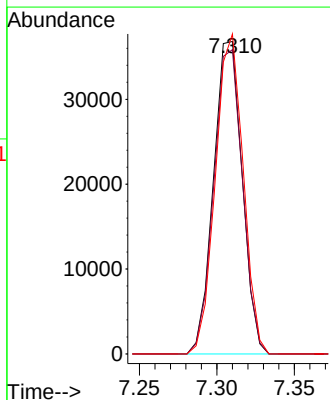
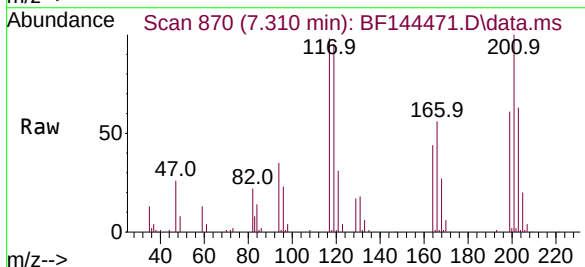


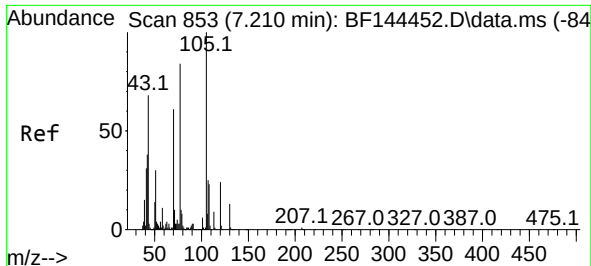
Tgt Ion:	107	Resp:	94563
Ion Ratio	Lower	Upper	
107	100		
108	114.3	89.9	134.9
77	42.7	35.7	53.5
79	42.7	35.6	53.4



#18
Hexachloroethane
Concen: 8.009 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:	117	Resp:	47549
Ion Ratio	Lower	Upper	
117	100		
119	97.4	77.5	116.3
201	102.4	77.3	115.9

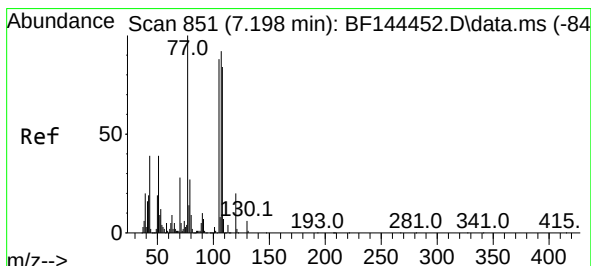
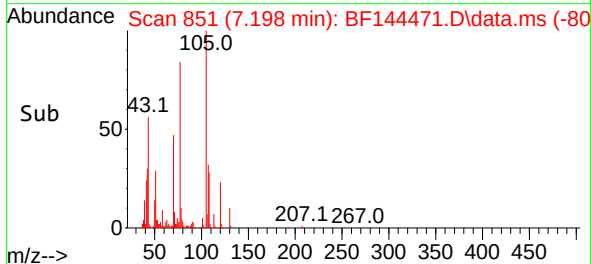
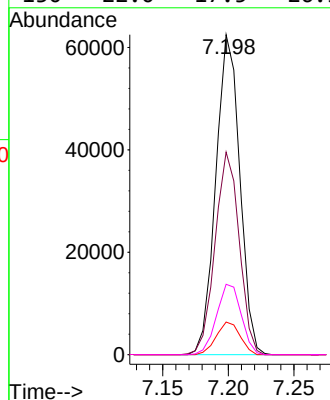
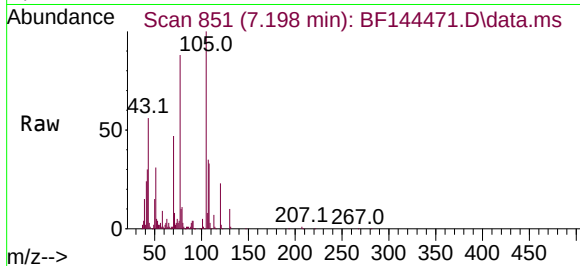




#19
n-Nitroso-di-n-propylamine
Concen: 6.876 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

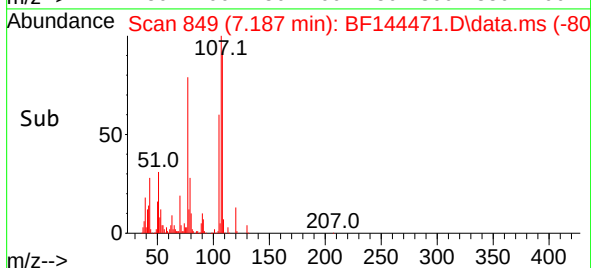
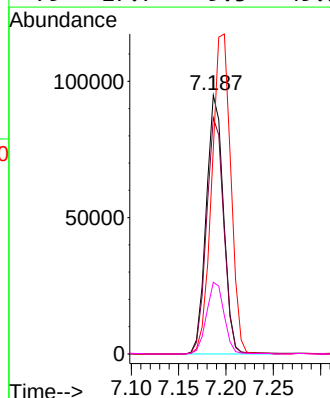
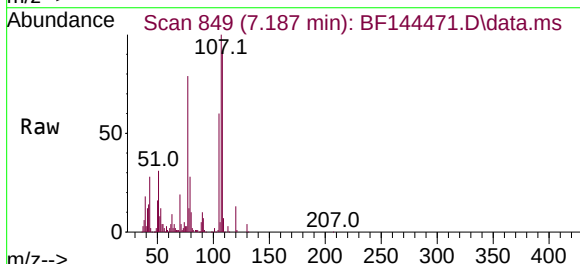
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

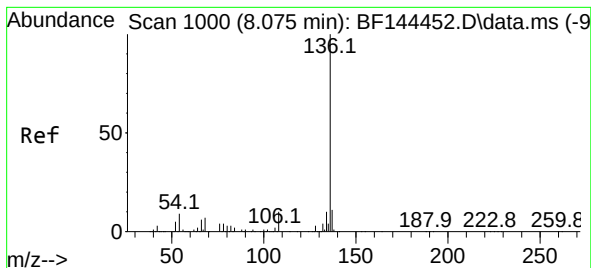
Tgt Ion:	70	Resp:	79640
Ion	Ratio	Lower	Upper
70	100		
42	63.3	49.4	74.0
101	10.2	7.8	11.6
130	22.0	17.5	26.3



#20
3+4-Methylphenols
Concen: 7.381 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:	107	Resp:	120489
Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.5	111.5
77	79.5	88.5	128.5#
79	27.7	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: BF144471.D

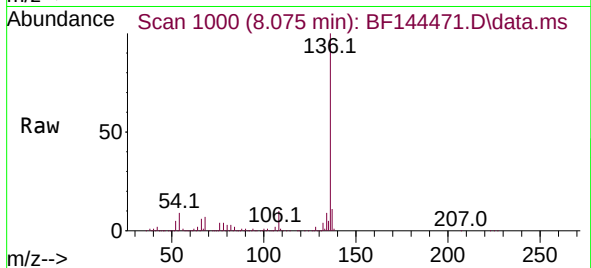
Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:136 Resp: 771541

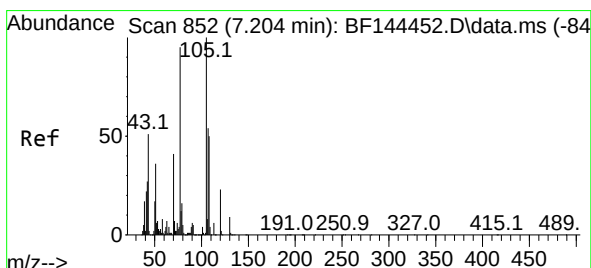
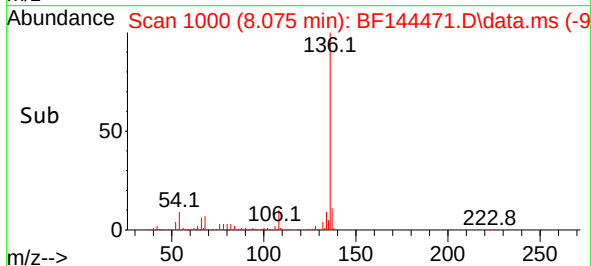
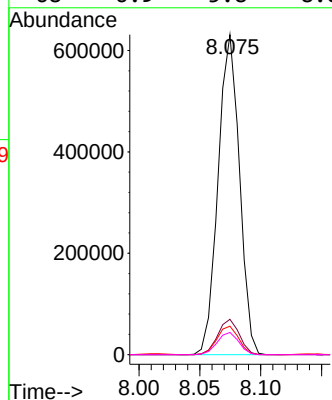
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.9 7.5 11.3

68 6.9 5.8 8.8



#22

Acetophenone

Concen: 8.477 ng

RT: 7.198 min Scan# 851

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Tgt Ion:105 Resp: 162225

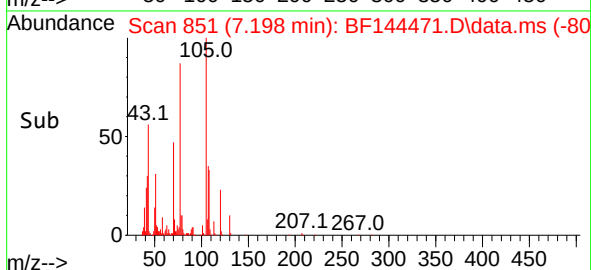
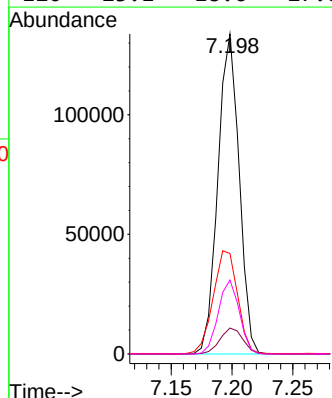
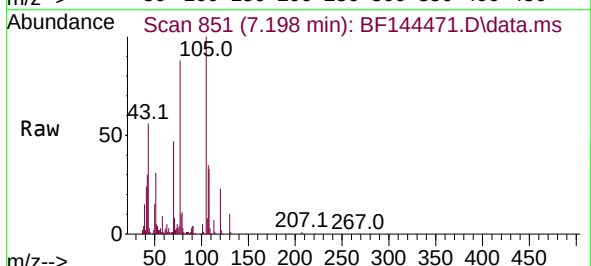
Ion Ratio Lower Upper

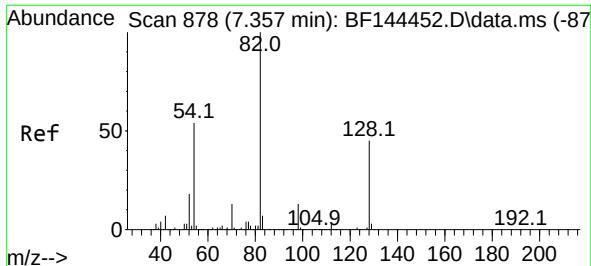
105 100

71 8.1 5.6 8.4

51 31.4 28.6 42.8

120 23.1 18.6 27.8

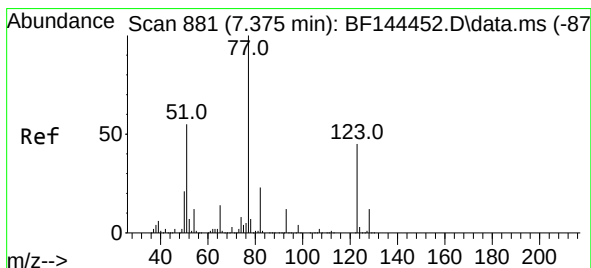
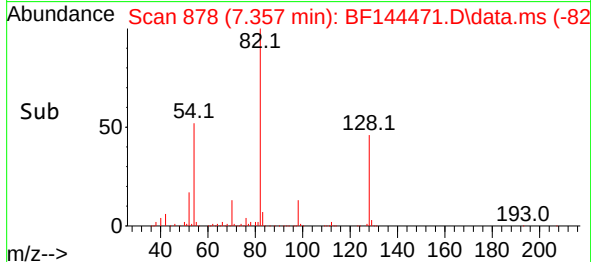
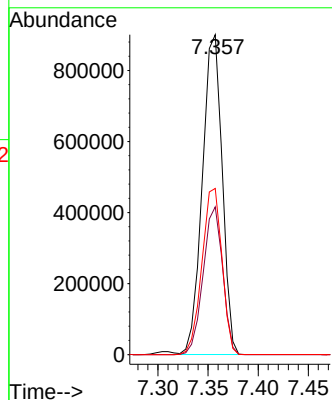
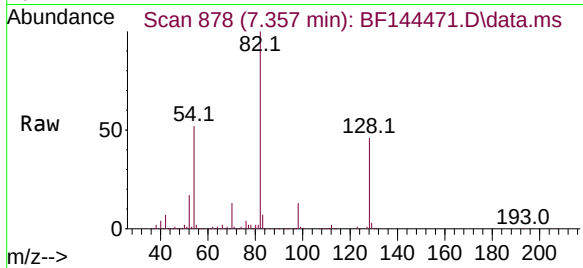




#23
Nitrobenzene-d5
Concen: 100.264 ng
RT: 7.357 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

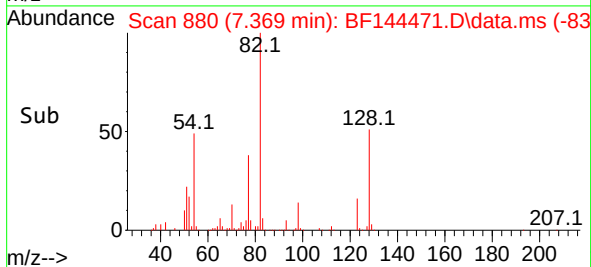
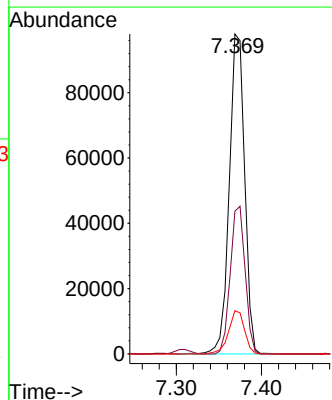
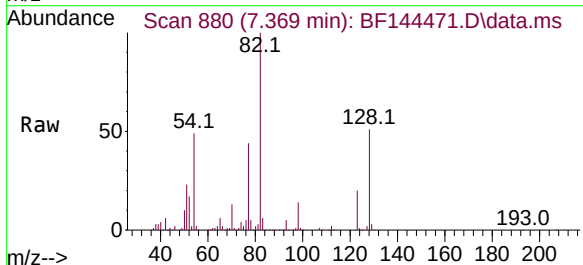
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

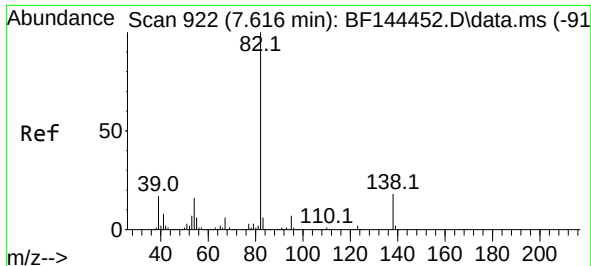
Tgt Ion: 82 Resp: 1236186
Ion Ratio Lower Upper
82 100
128 46.2 35.5 53.3
54 51.9 43.3 64.9



#24
Nitrobenzene
Concen: 9.191 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion: 77 Resp: 122925
Ion Ratio Lower Upper
77 100
123 44.6 36.2 54.2
65 13.5 11.0 16.6

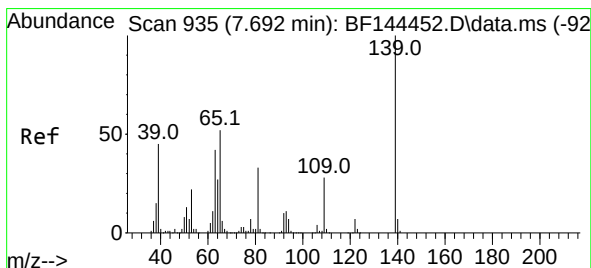
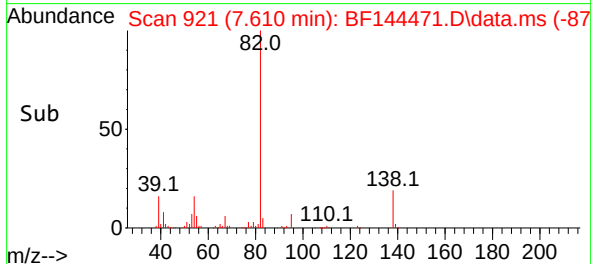
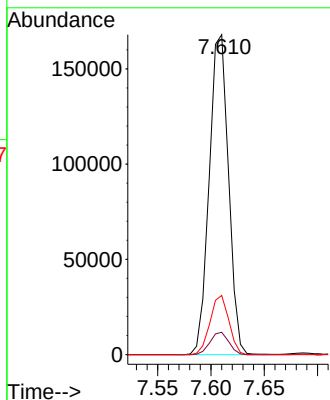
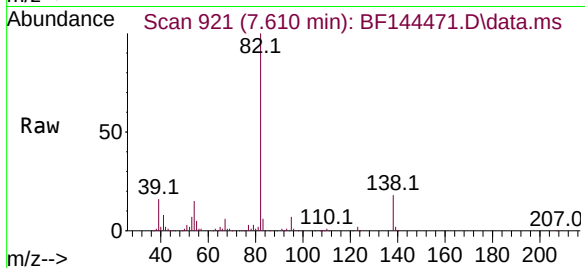




#25
Isophorone
Concen: 7.613 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

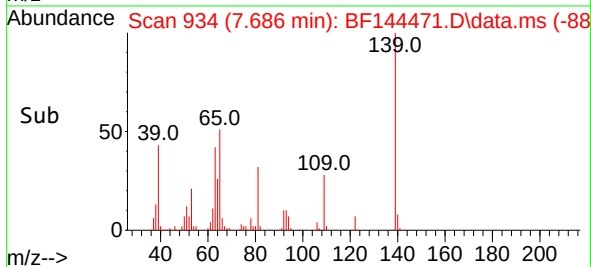
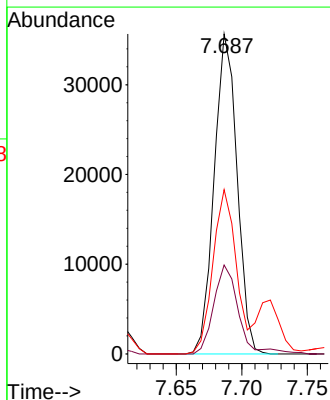
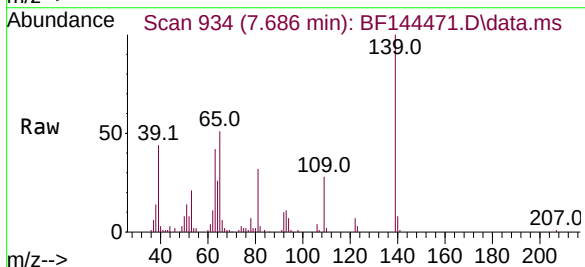
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

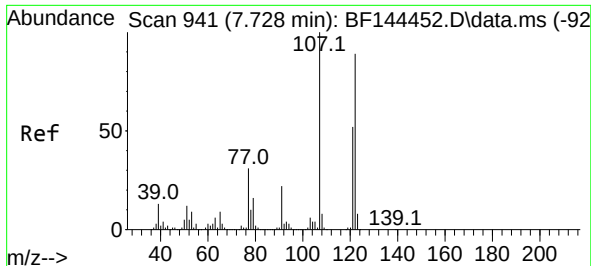
Tgt Ion: 82 Resp: 211824
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 18.5 14.4 21.6



#26
2-Nitrophenol
Concen: 11.075 ng
RT: 7.686 min Scan# 934
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:139 Resp: 43377
Ion Ratio Lower Upper
139 100
109 27.8 22.1 33.1
65 51.3 41.5 62.3





#27

2,4-Dimethylphenol

Concen: 6.369 ng

RT: 7.722 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

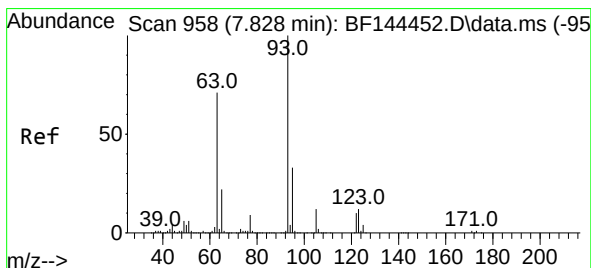
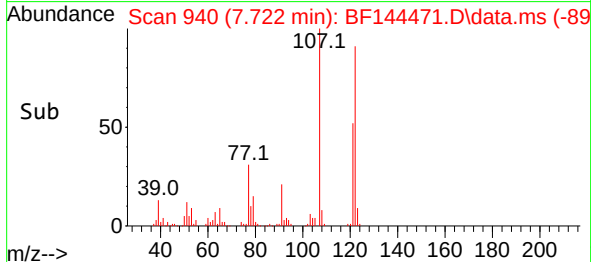
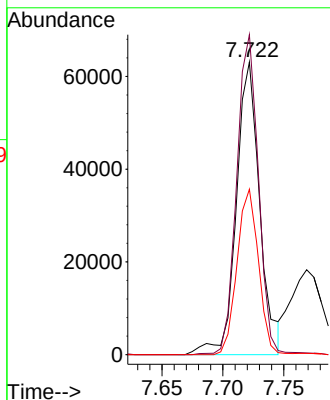
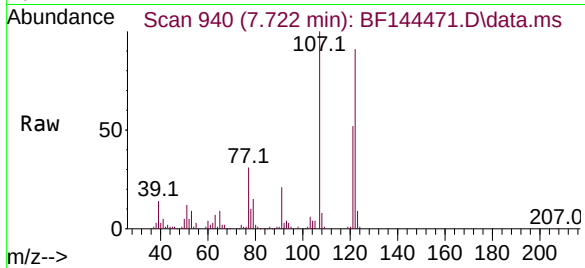
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:	122	Resp:	84554
Ion	Ratio	Lower	Upper
122	100		
107	109.4	90.0	135.0
121	56.5	47.1	70.7



#28

bis(2-Chloroethoxy)methane

Concen: 7.876 ng

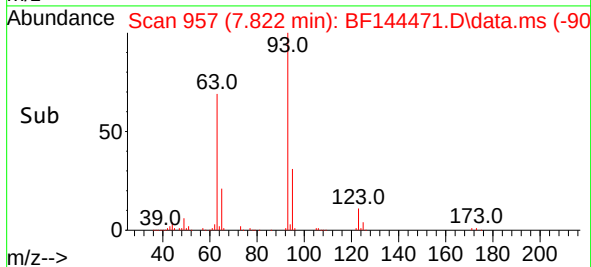
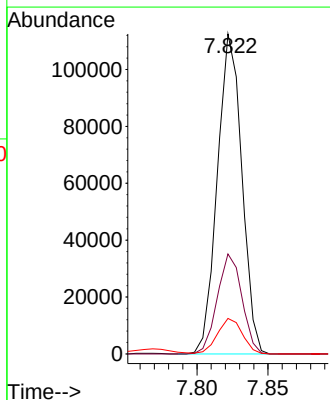
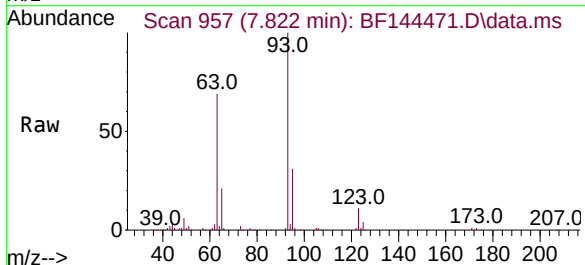
RT: 7.822 min Scan# 957

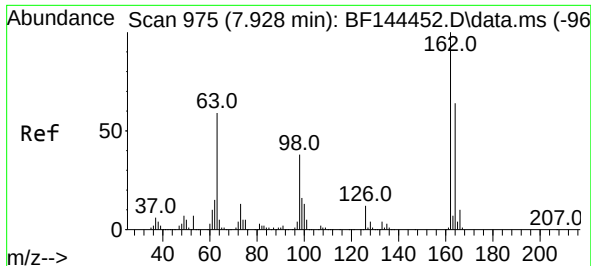
Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Tgt Ion:	93	Resp:	135045
Ion	Ratio	Lower	Upper
93	100		
95	31.2	26.2	39.2
123	11.1	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 8.278 ng

RT: 7.922 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

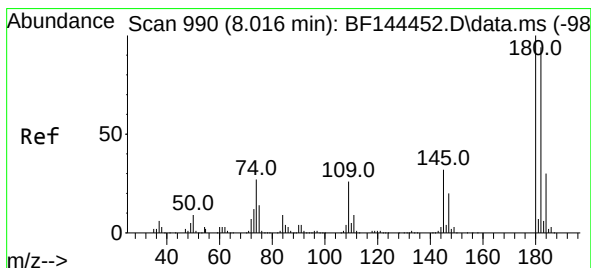
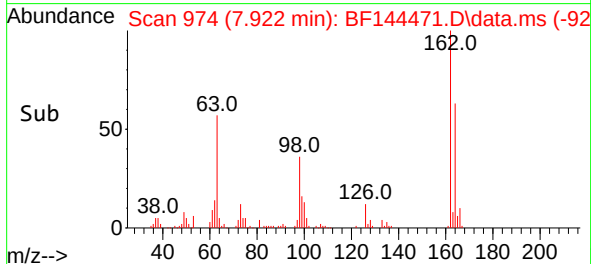
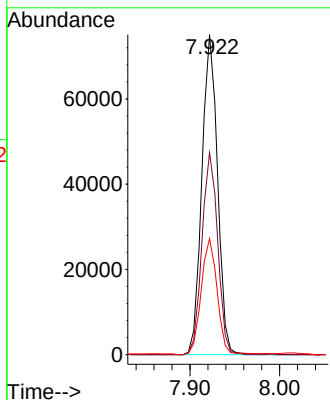
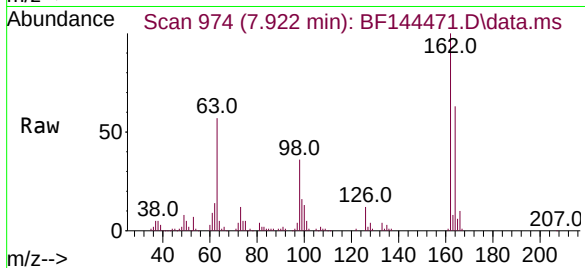
Tgt Ion:162 Resp: 91318

Ion Ratio Lower Upper

162 100

164 63.1 44.2 84.2

98 36.3 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 8.645 ng

RT: 8.016 min Scan# 990

Delta R.T. -0.000 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

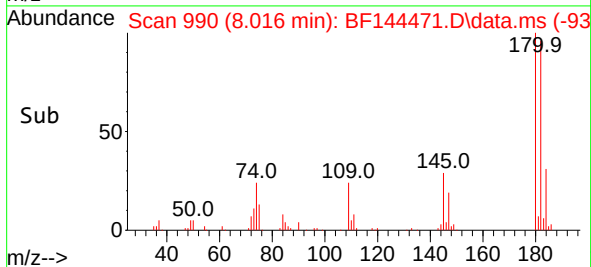
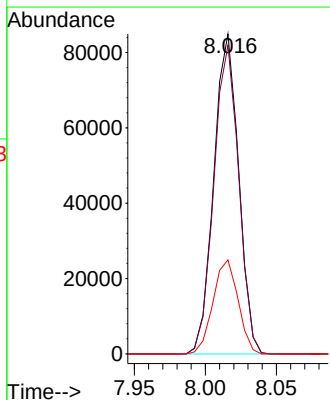
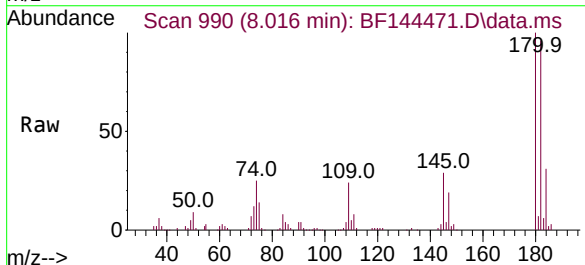
Tgt Ion:180 Resp: 103434

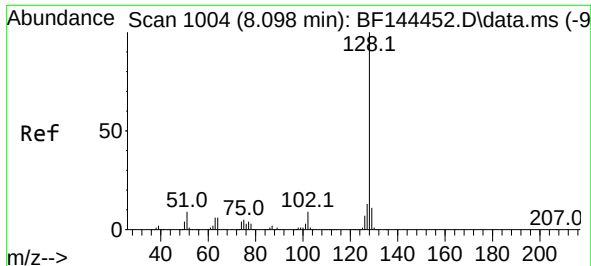
Ion Ratio Lower Upper

180 100

182 96.4 75.2 112.8

145 29.4 25.3 37.9





#31

Naphthalene

Concen: 8.287 ng

RT: 8.092 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

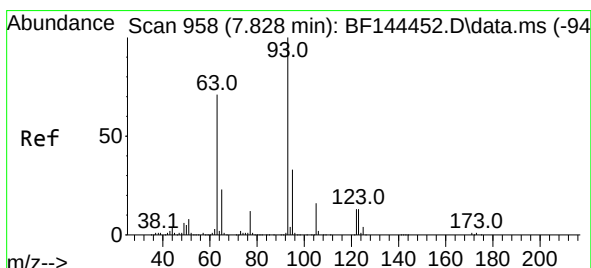
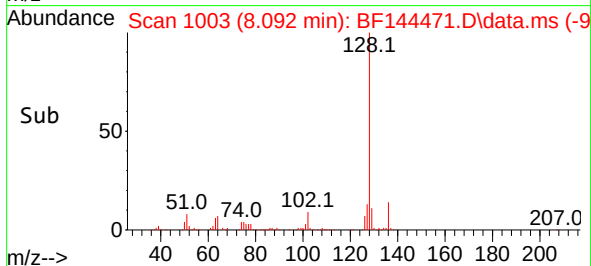
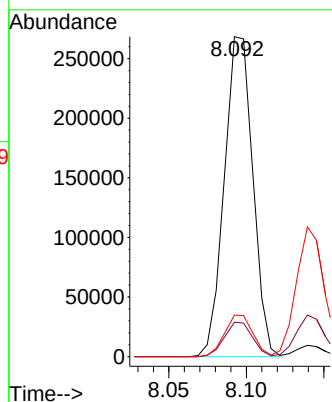
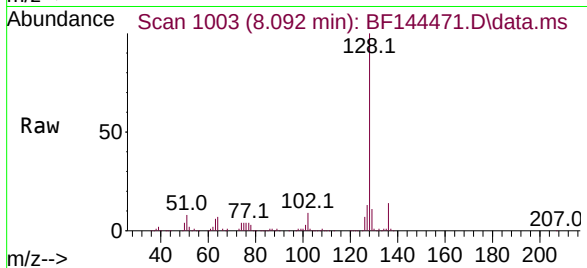
Tgt Ion:128 Resp: 344129

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

127 13.0 10.6 16.0



#32

Benzoic acid

Concen: 10.491 ng

RT: 7.769 min Scan# 948

Delta R.T. -0.059 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

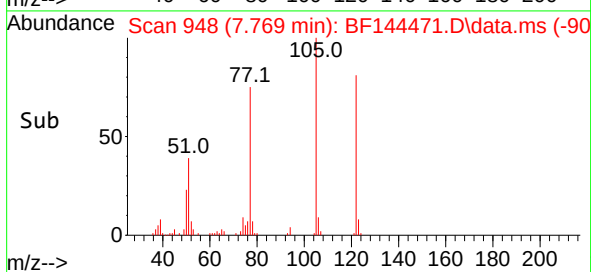
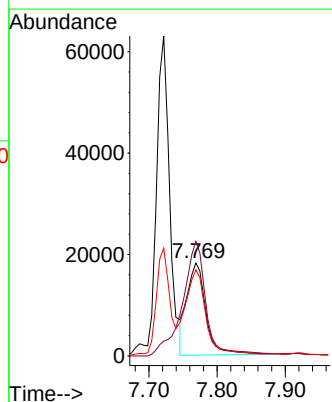
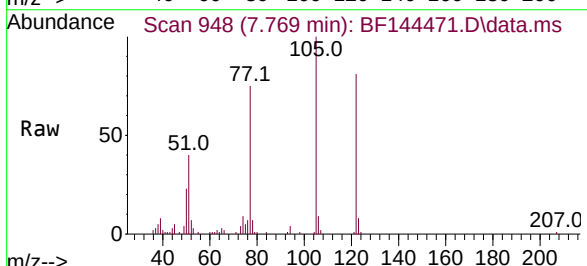
Tgt Ion:122 Resp: 35337

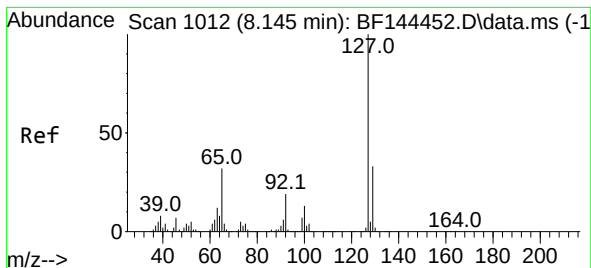
Ion Ratio Lower Upper

122 100

105 123.3 103.2 143.2

77 92.6 75.1 115.1





#33

4-Chloroaniline

Concen: 8.066 ng

RT: 8.139 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:127 Resp: 134626

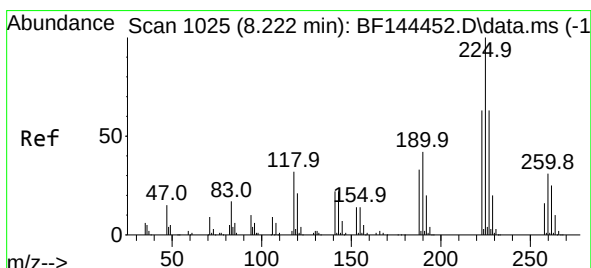
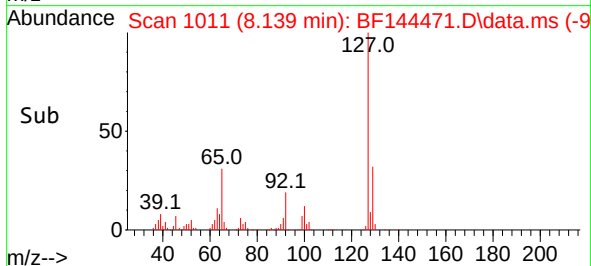
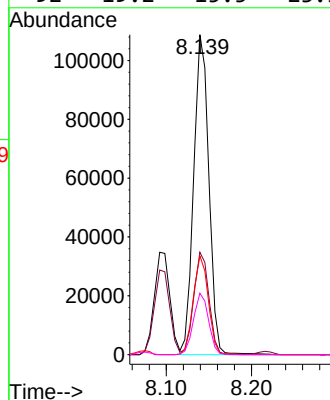
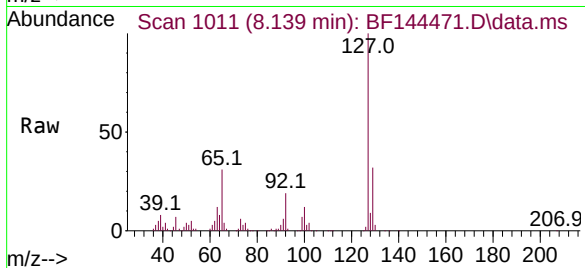
Ion Ratio Lower Upper

127 100

129 32.0 26.2 39.4

65 30.8 25.8 38.8

92 19.2 15.5 23.3



#34

Hexachlorobutadiene

Concen: 8.124 ng

RT: 8.216 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

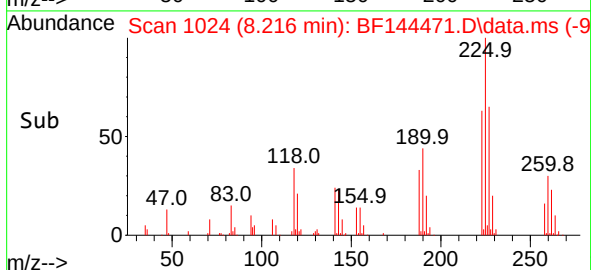
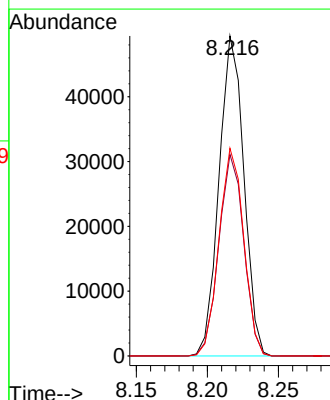
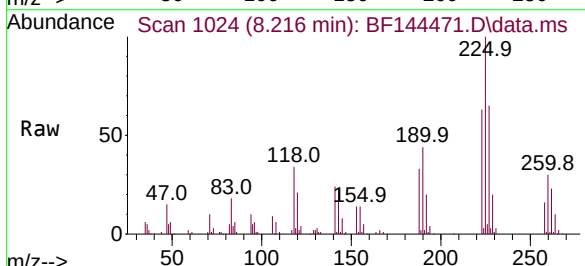
Tgt Ion:225 Resp: 60104

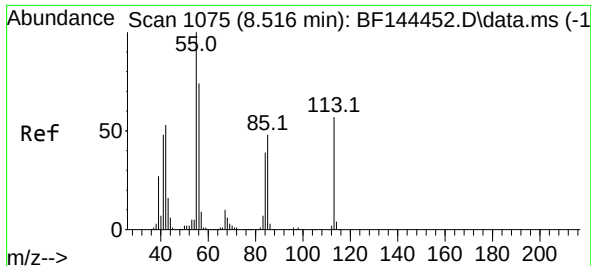
Ion Ratio Lower Upper

225 100

223 62.9 50.1 75.1

227 64.9 50.3 75.5

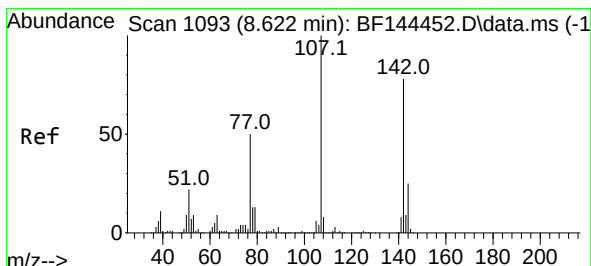
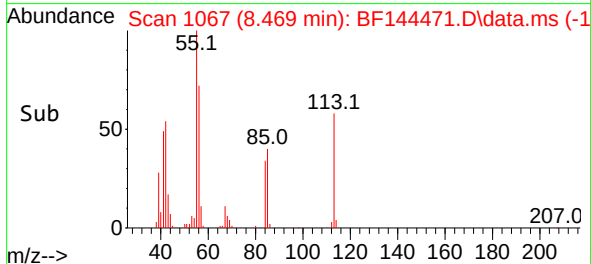
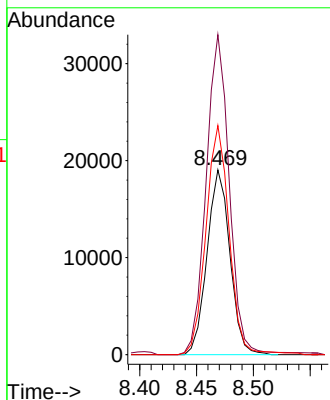
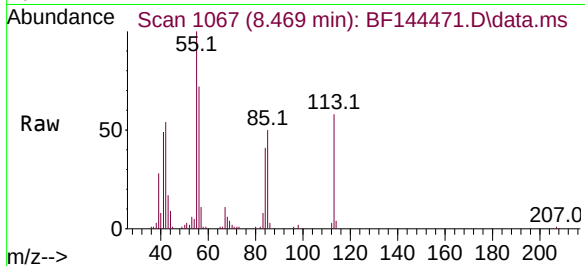




#35
 Caprolactam
 Concen: 7.312 ng
 RT: 8.469 min Scan# 1075
 Delta R.T. -0.047 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

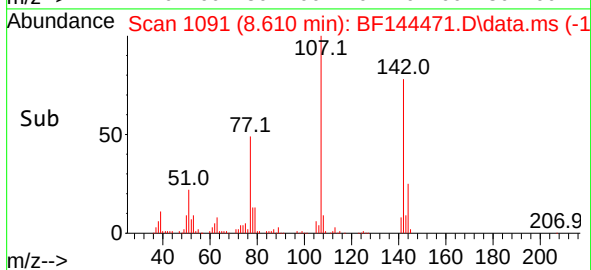
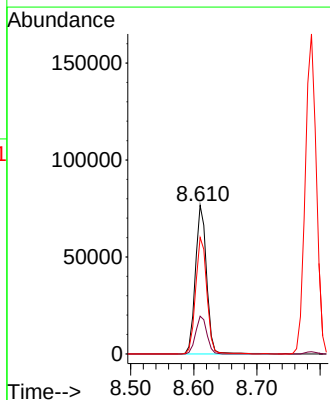
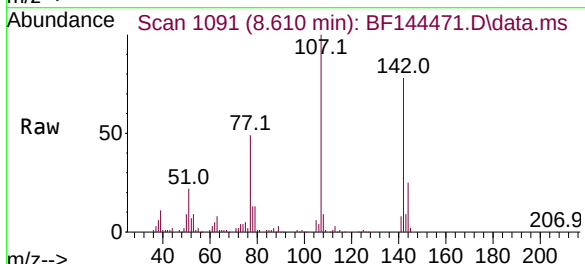
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

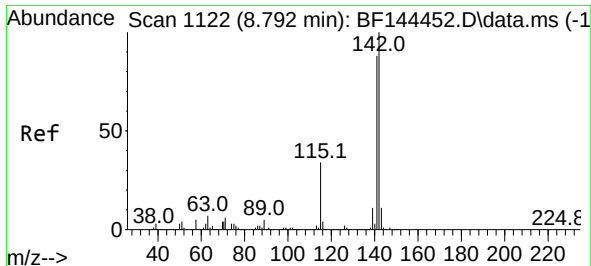
Tgt Ion:113 Resp: 26638
 Ion Ratio Lower Upper
 113 100
 55 173.2 154.5 194.5
 56 124.0 109.8 149.8



#36
 4-Chloro-3-methylphenol
 Concen: 7.881 ng
 RT: 8.610 min Scan# 1091
 Delta R.T. -0.012 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

Tgt Ion:107 Resp: 94378
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.4 30.6
 142 78.3 62.4 93.6





#37

2-Methylnaphthalene

Concen: 7.359 ng

RT: 8.786 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

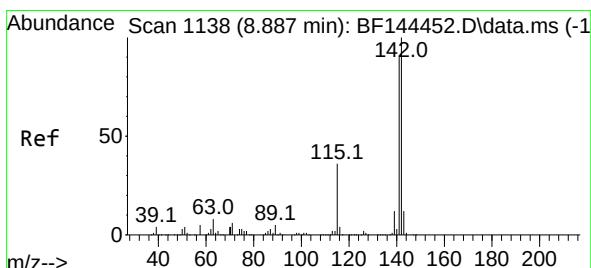
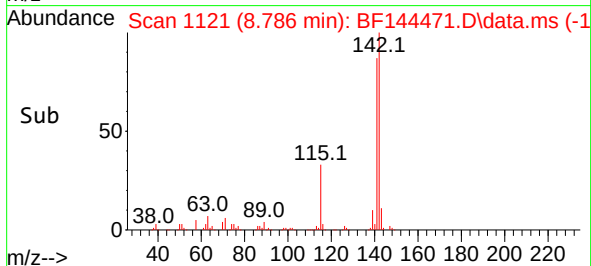
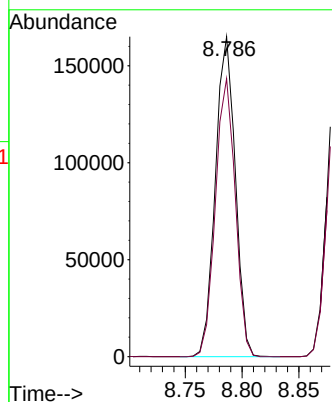
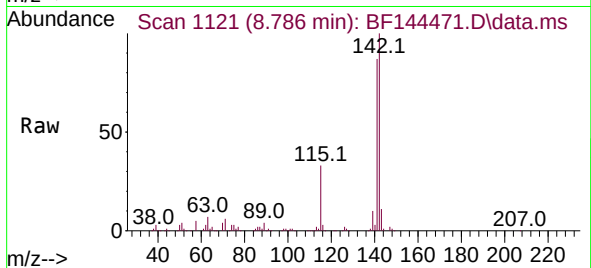
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:142 Resp: 201059

Ion Ratio Lower Upper

142 100

141 86.9 70.0 105.0



#38

1-Methylnaphthalene

Concen: 7.858 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF144471.D

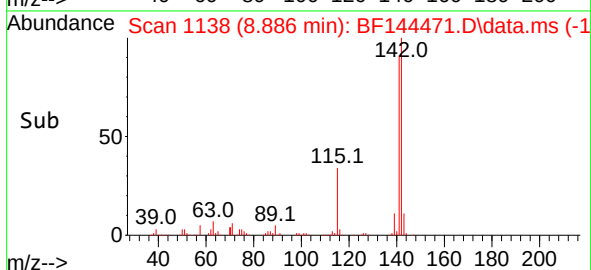
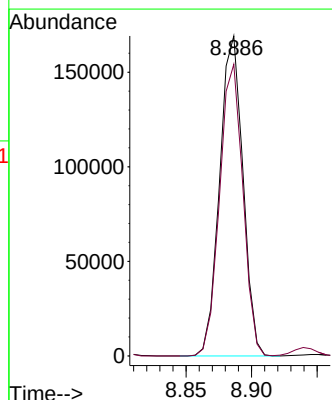
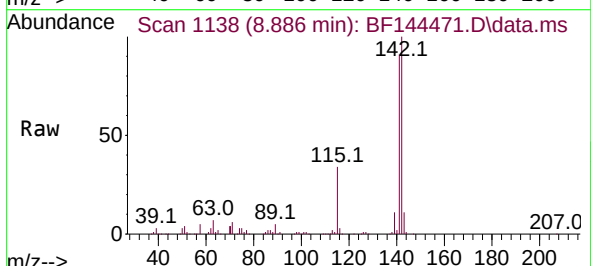
Acq: 15 Dec 2025 13:41

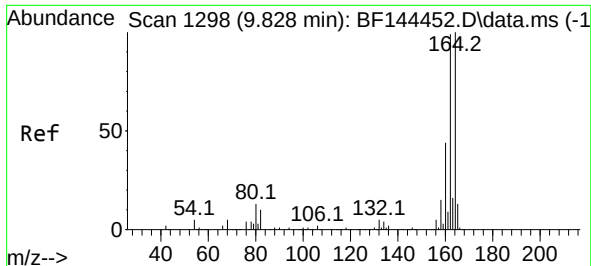
Tgt Ion:142 Resp: 209055

Ion Ratio Lower Upper

142 100

141 91.1 72.6 109.0

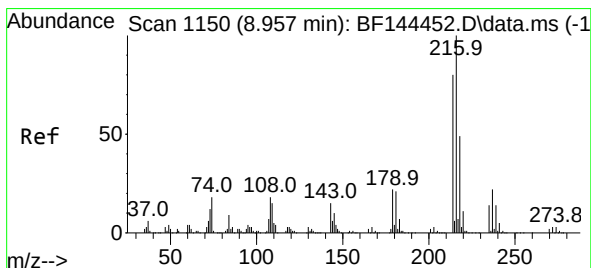
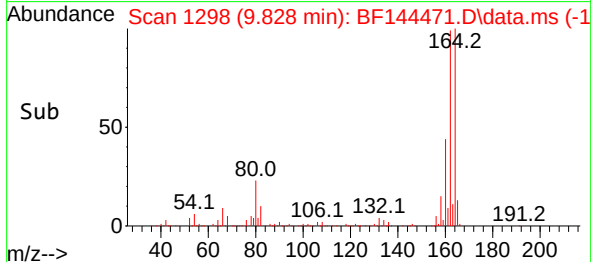
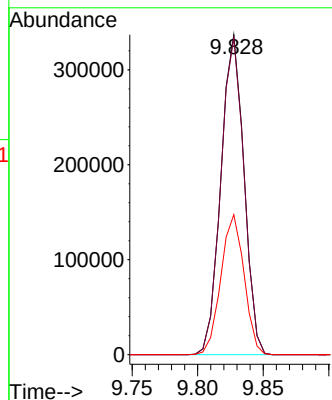
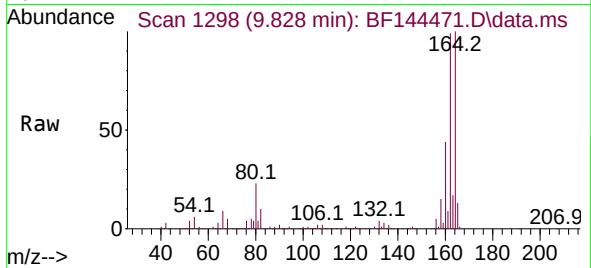




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

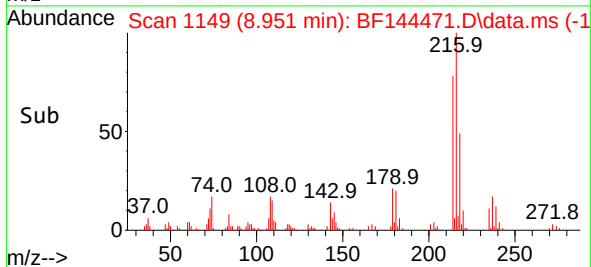
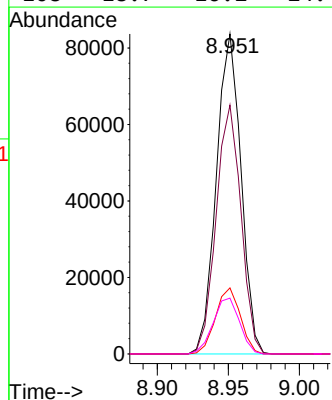
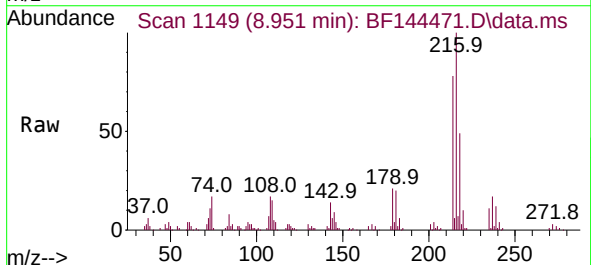
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

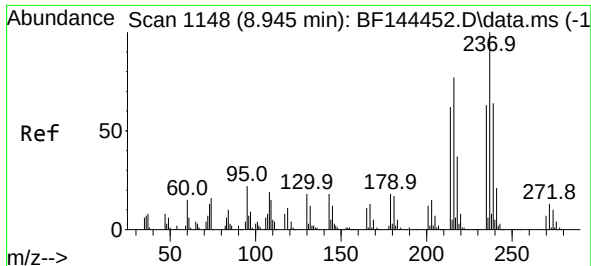
Tgt Ion:164 Resp: 412563
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 43.7 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.612 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

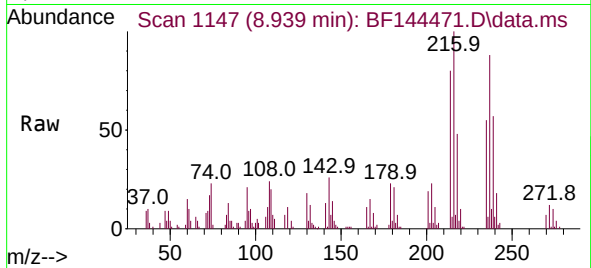
Tgt Ion:216 Resp: 101119
Ion Ratio Lower Upper
216 100
214 78.2 63.8 95.6
179 20.8 17.7 26.5
108 18.7 16.2 24.4



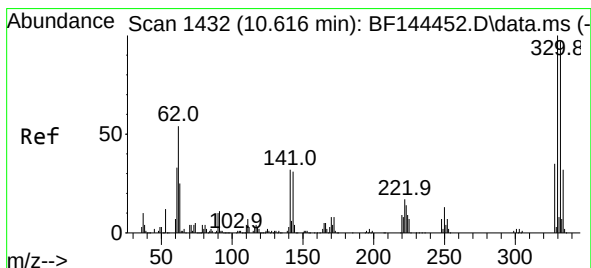
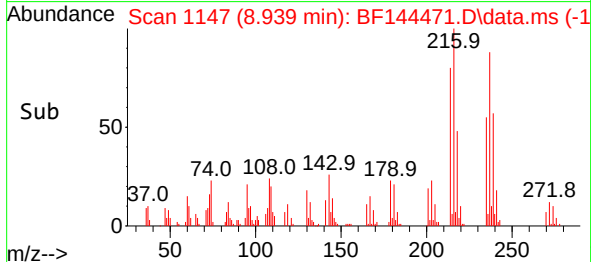
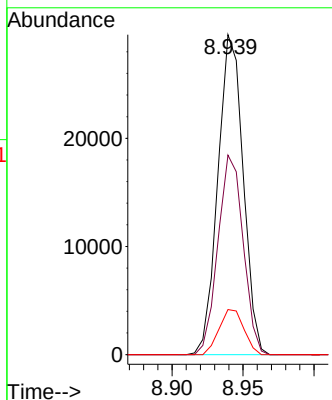


#41
Hexachlorocyclopentadiene
Concen: 5.280 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

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

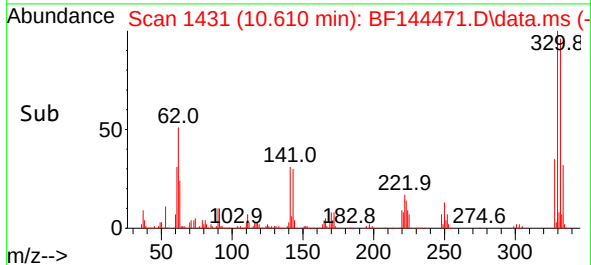
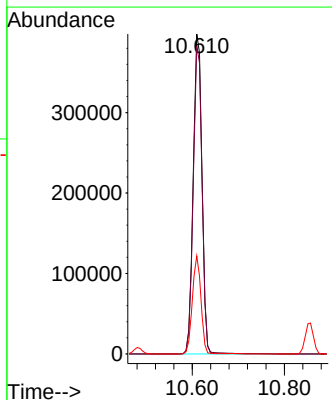
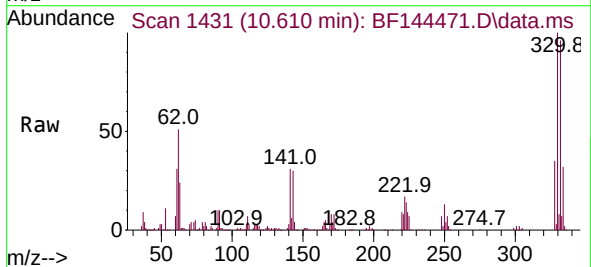


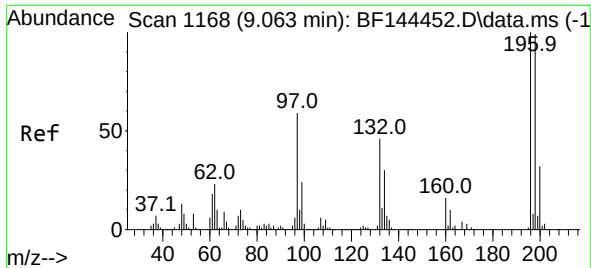
Tgt Ion:237 Resp: 36693
Ion Ratio Lower Upper
237 100
235 62.3 43.2 83.2
272 14.1 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 140.540 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:330 Resp: 524208
Ion Ratio Lower Upper
330 100
332 96.3 77.5 116.3
141 30.0 26.2 39.2

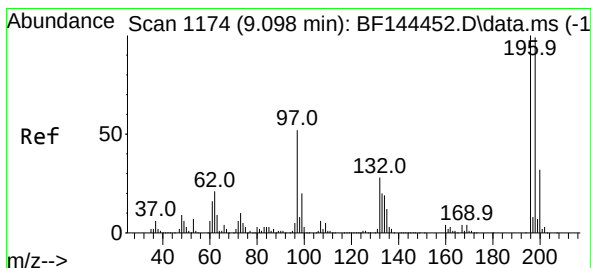
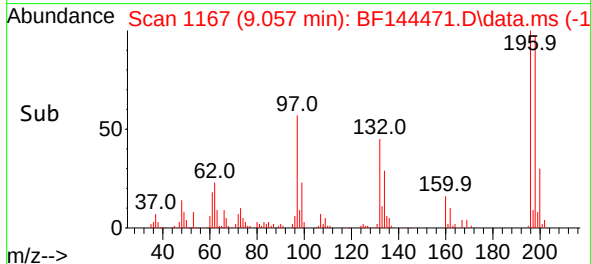
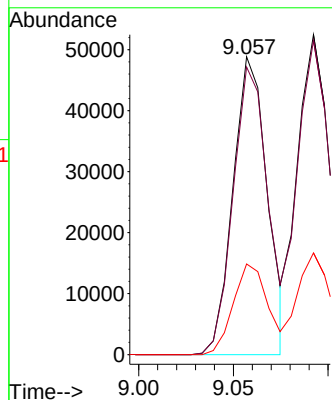
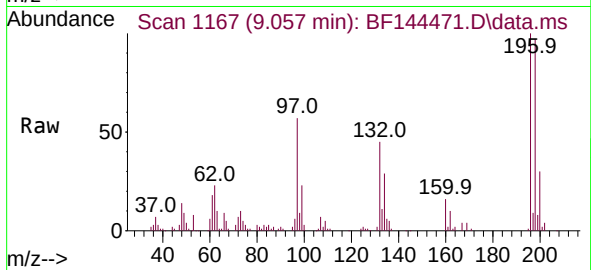




#43
 2,4,6-Trichlorophenol
 Concen: 8.238 ng
 RT: 9.057 min Scan# 1167
 Delta R.T. -0.006 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

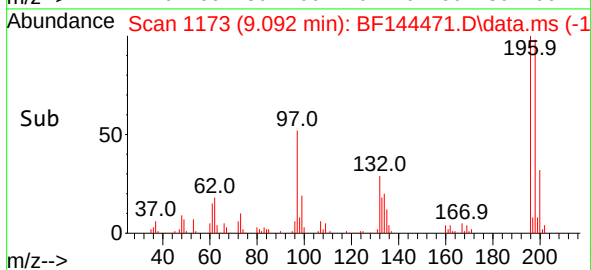
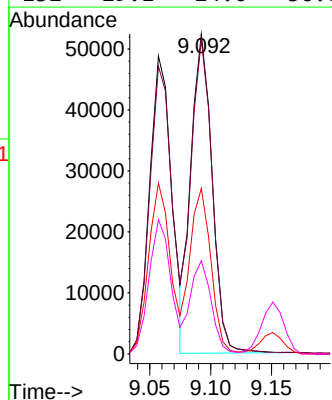
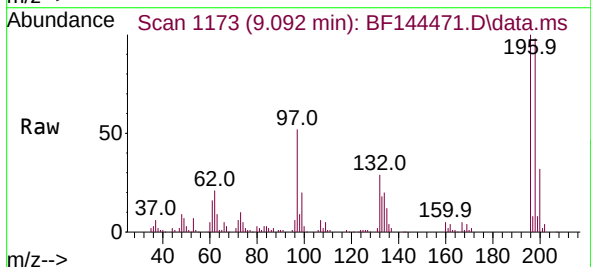
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

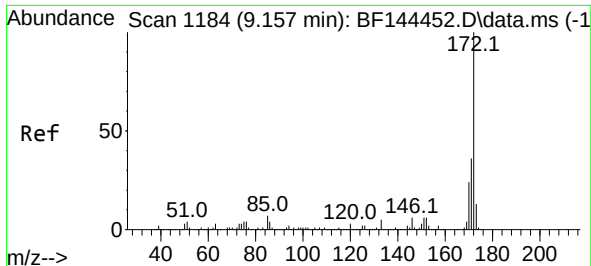
Tgt Ion:196 Resp: 61423
 Ion Ratio Lower Upper
 196 100
 198 96.6 79.0 118.4
 200 30.4 25.3 37.9



#44
 2,4,5-Trichlorophenol
 Concen: 8.104 ng
 RT: 9.092 min Scan# 1173
 Delta R.T. -0.006 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

Tgt Ion:196 Resp: 63424
 Ion Ratio Lower Upper
 196 100
 198 98.2 79.5 119.3
 97 51.7 42.2 63.2
 132 29.1 24.0 36.0

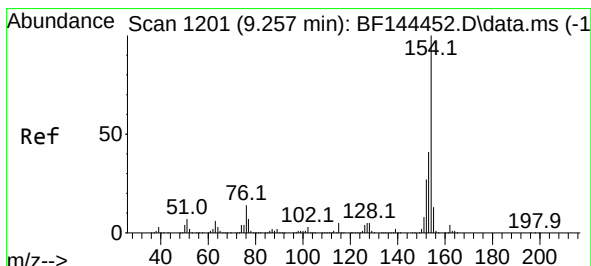
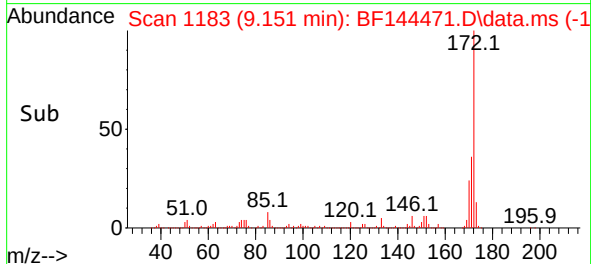
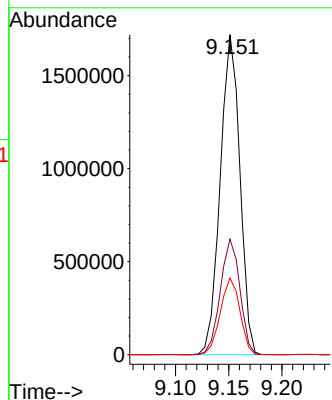
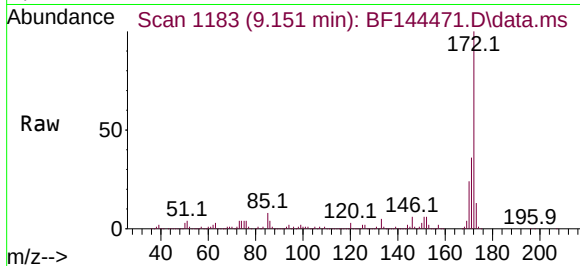




#45
2-Fluorobiphenyl
Concen: 82.291 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

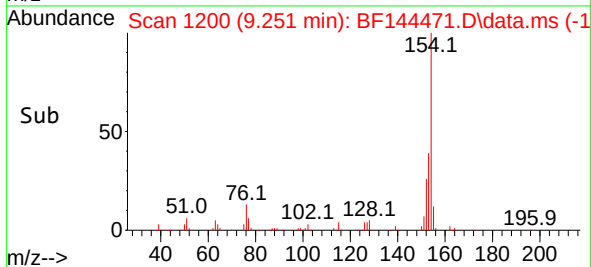
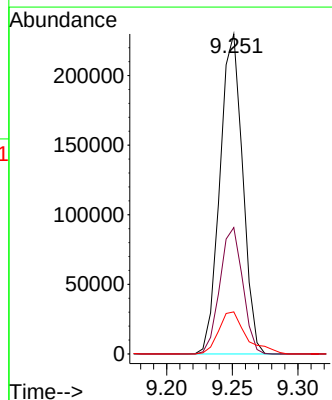
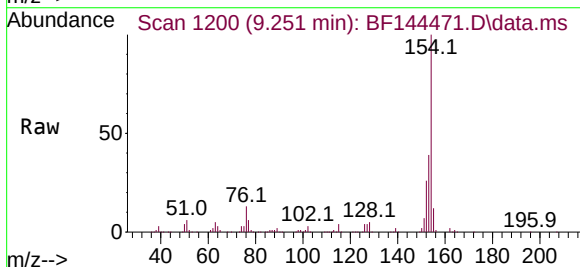
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

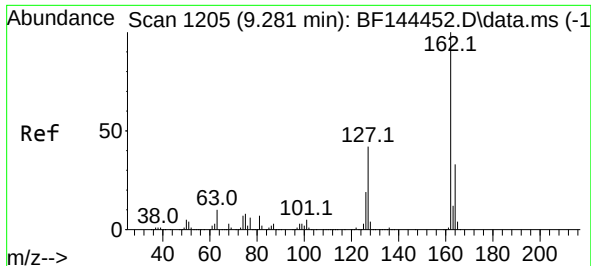
Tgt Ion:172 Resp: 2213068
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.9 19.3 28.9



#46
1,1'-Biphenyl
Concen: 8.607 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:154 Resp: 277496
Ion Ratio Lower Upper
154 100
153 39.5 21.0 61.0
76 13.1 0.0 33.8

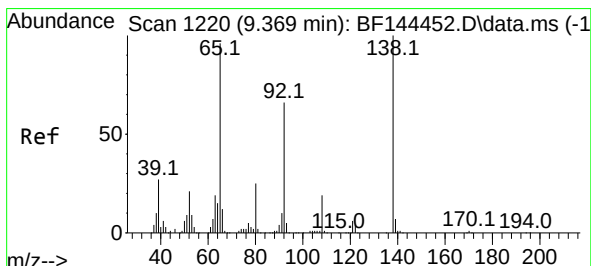
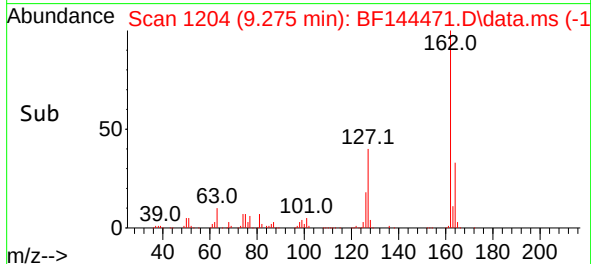
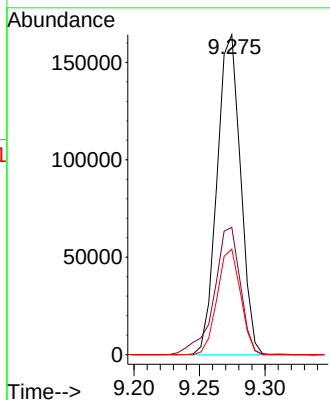
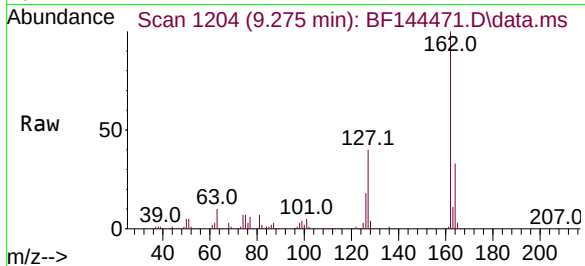




#47
2-Chloronaphthalene
Concen: 8.338 ng
RT: 9.275 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

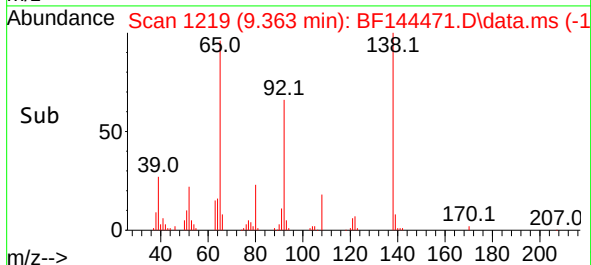
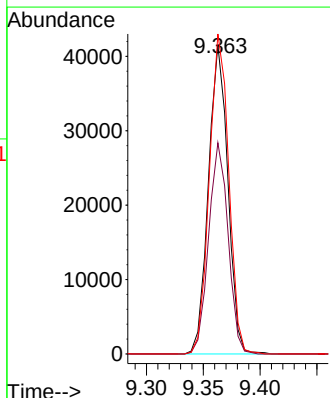
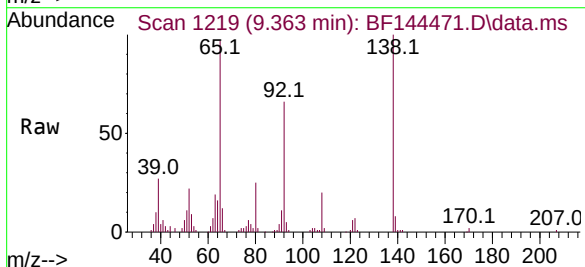
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

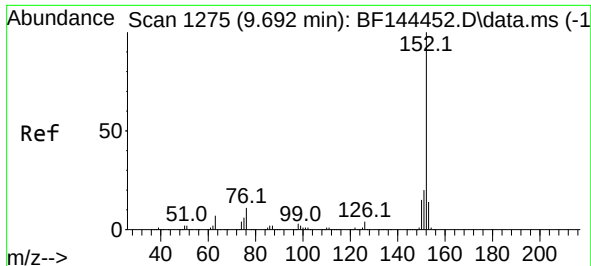
Tgt Ion:162 Resp: 205217
Ion Ratio Lower Upper
162 100
127 39.8 33.6 50.4
164 33.0 26.6 39.8



#48
2-Nitroaniline
Concen: 10.103 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion: 65 Resp: 49417
Ion Ratio Lower Upper
65 100
92 68.3 55.0 82.4
138 103.5 83.4 125.2

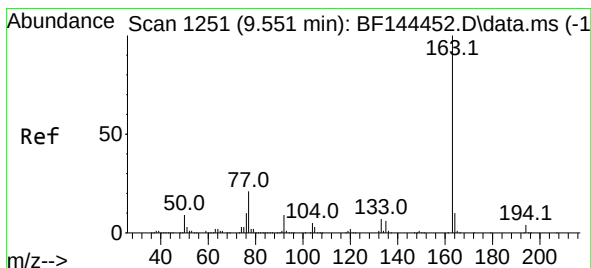
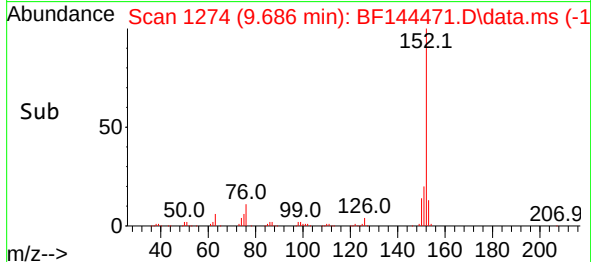
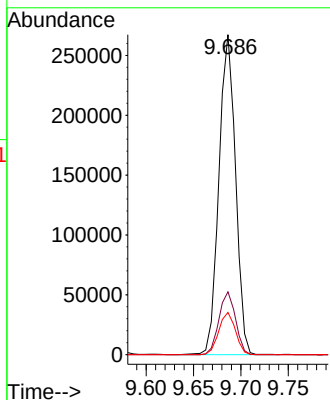
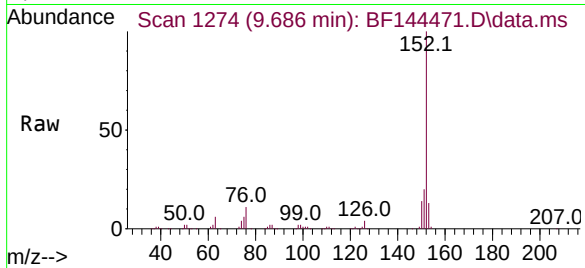




#49
Acenaphthylene
Concen: 8.342 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

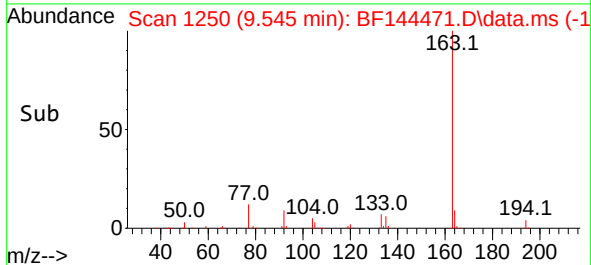
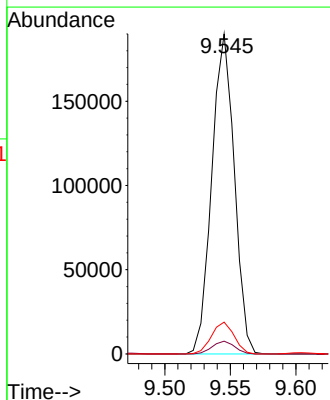
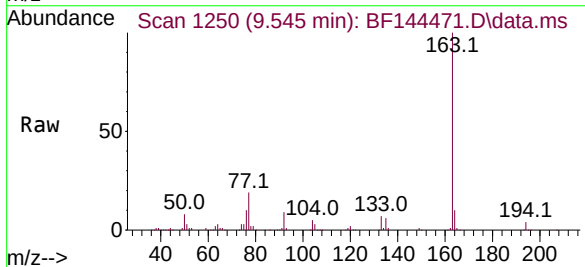
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

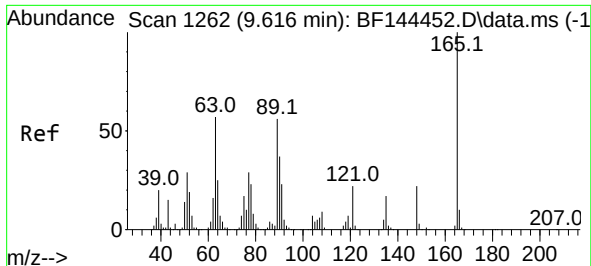
Tgt Ion:152 Resp: 325319
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.2
153 13.2 11.4 17.0



#50
Dimethylphthalate
Concen: 8.142 ng
RT: 9.545 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:163 Resp: 226901
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.9 8.3 12.5

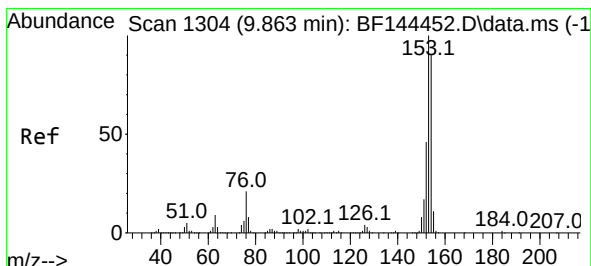
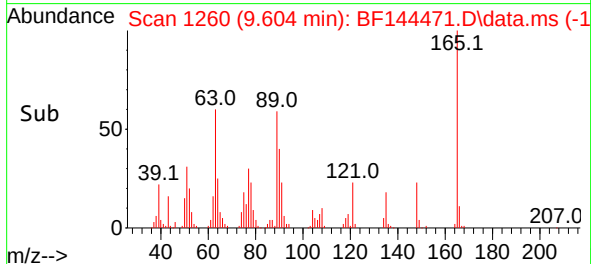
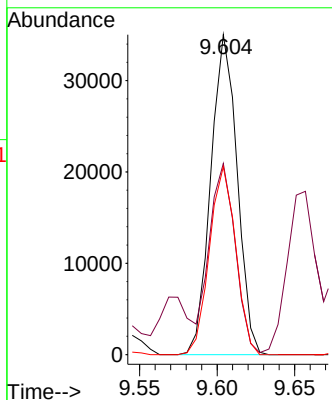
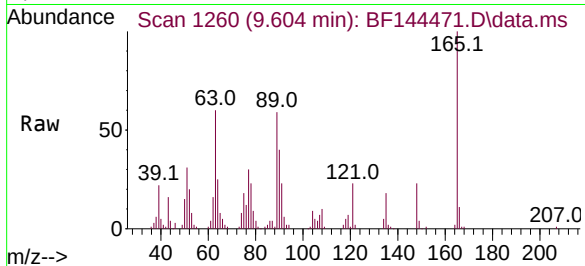




#51
2,6-Dinitrotoluene
Concen: 11.394 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

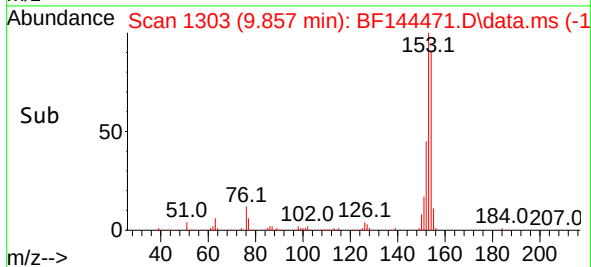
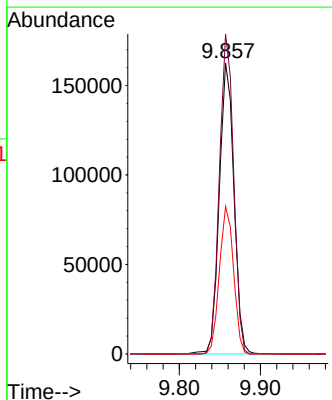
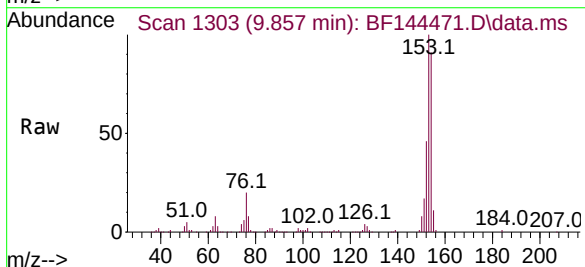
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

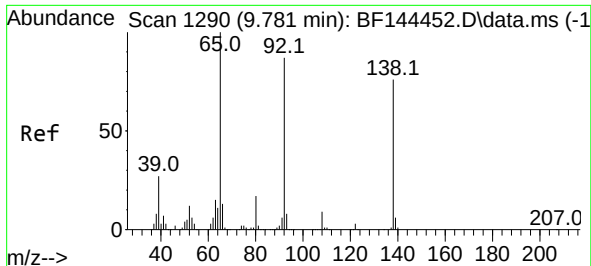
Tgt Ion:165 Resp: 41619
Ion Ratio Lower Upper
165 100
63 59.7 45.9 68.9
89 58.7 44.6 67.0



#52
Acenaphthene
Concen: 8.350 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:154 Resp: 203029
Ion Ratio Lower Upper
154 100
153 110.0 88.6 132.8
152 50.7 40.6 61.0

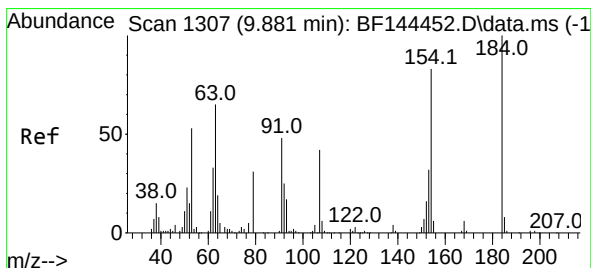
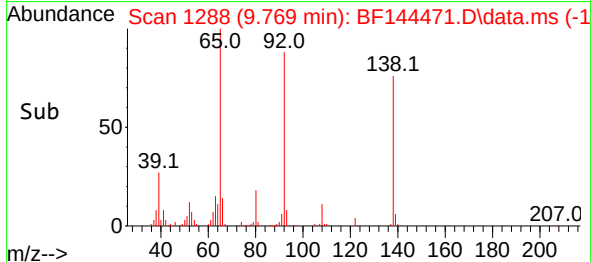
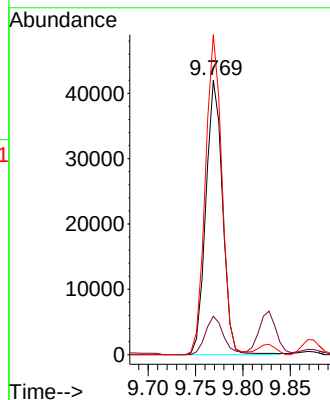
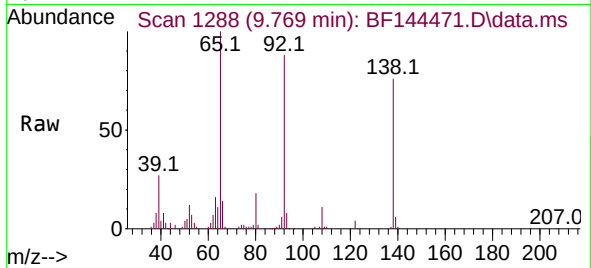




#53
3-Nitroaniline
Concen: 10.755 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

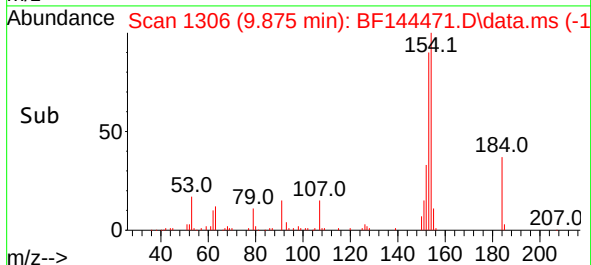
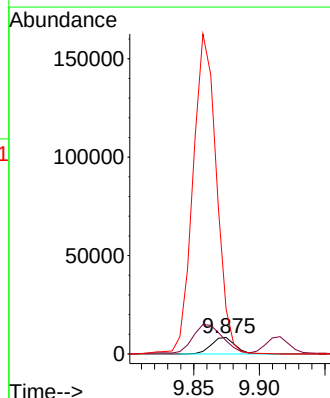
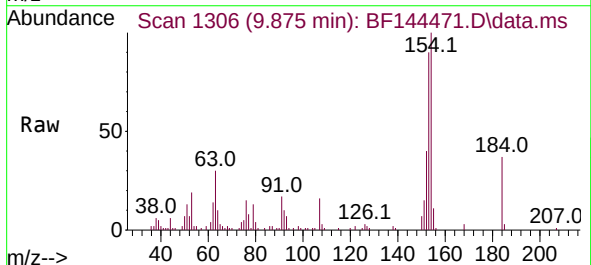
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

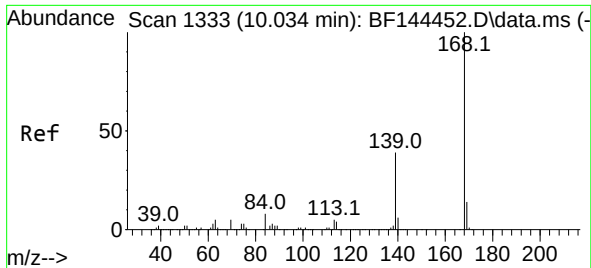
Tgt Ion:138 Resp: 51645
Ion Ratio Lower Upper
138 100
108 14.0 9.7 14.5
92 116.6 91.5 137.3



#54
2,4-Dinitrophenol
Concen: 11.666 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:184 Resp: 10487
Ion Ratio Lower Upper
184 100
63 80.5 60.6 91.0
154 272.8 137.8 206.8#

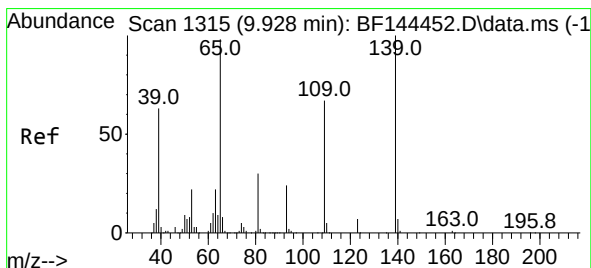
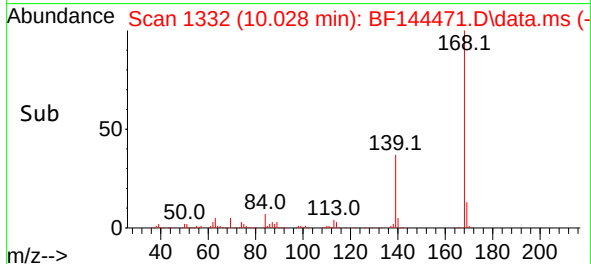
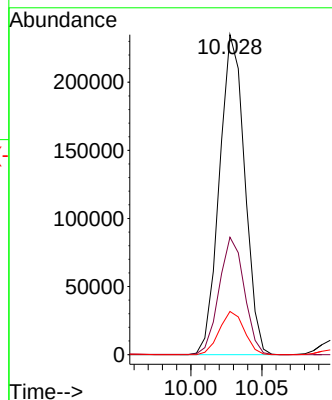
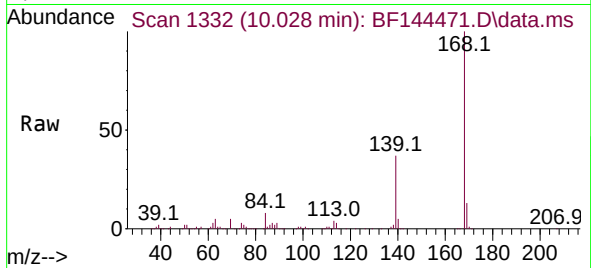




#55
Dibenzenofuran
Concen: 8.406 ng
RT: 10.028 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

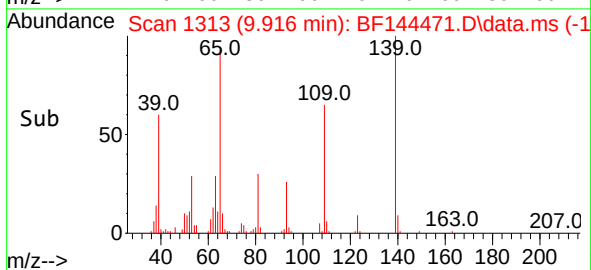
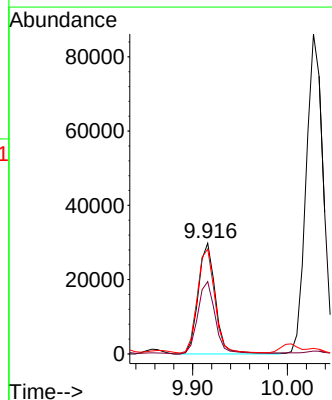
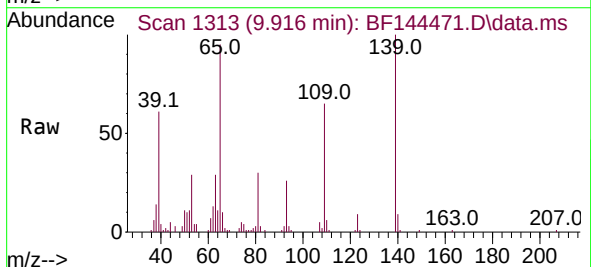
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

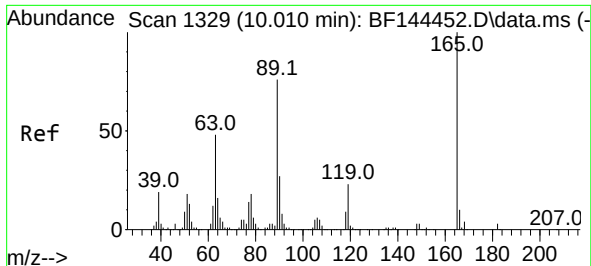
Tgt Ion:168 Resp: 290795
Ion Ratio Lower Upper
168 100
139 36.7 31.0 46.6
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 7.897 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:139 Resp: 37478
Ion Ratio Lower Upper
139 100
109 65.3 47.4 87.4
65 94.8 78.4 118.4

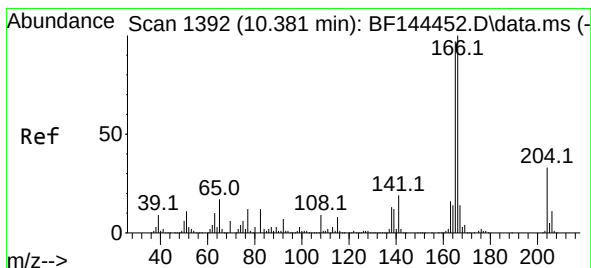
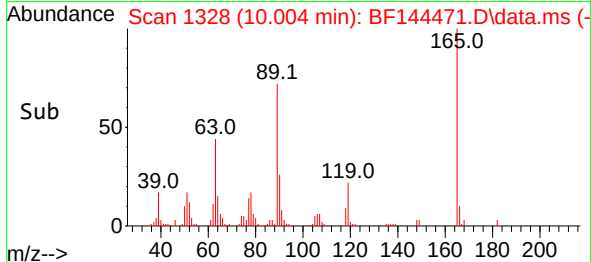
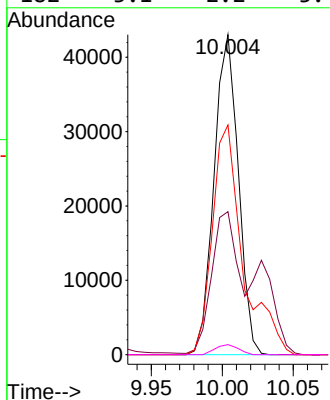
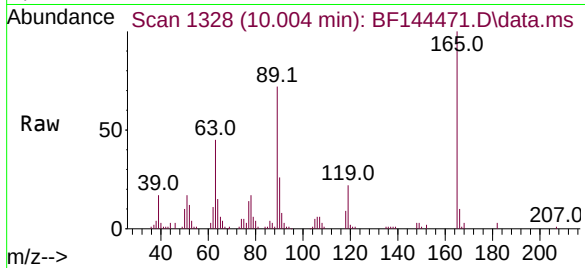




#57
2,4-Dinitrotoluene
Concen: 10.624 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

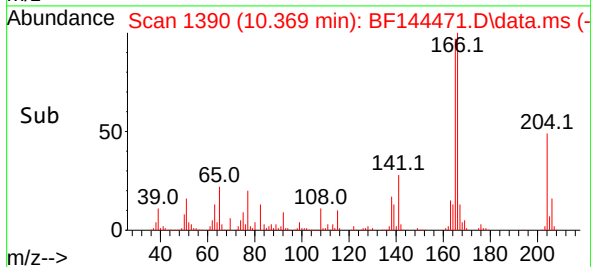
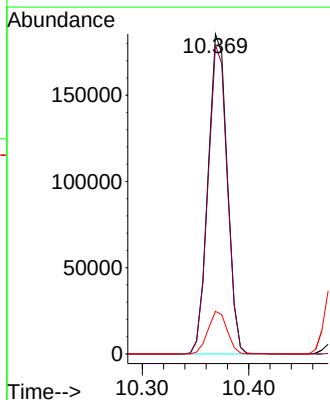
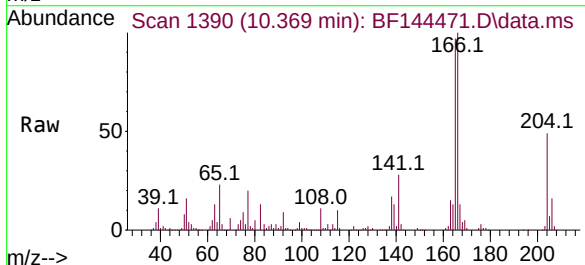
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

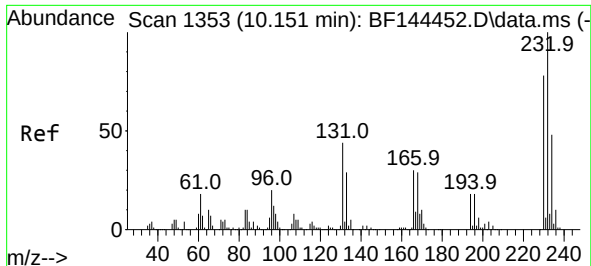
Tgt Ion:165	Resp:	51130
Ion Ratio	Lower	Upper
165	100	
63	44.7	38.2 57.4
89	71.8	61.2 91.8
182	3.1	2.2 3.4



#58
Fluorene
Concen: 8.863 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:166	Resp:	232173
Ion Ratio	Lower	Upper
166	100	
165	96.5	77.6 116.4
167	13.3	10.8 16.2

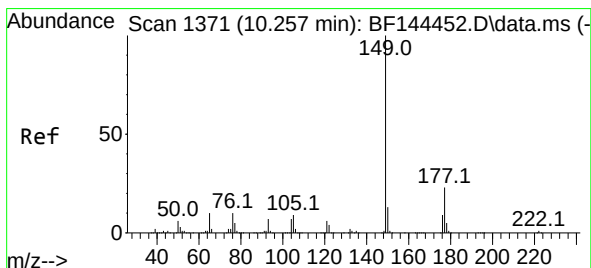
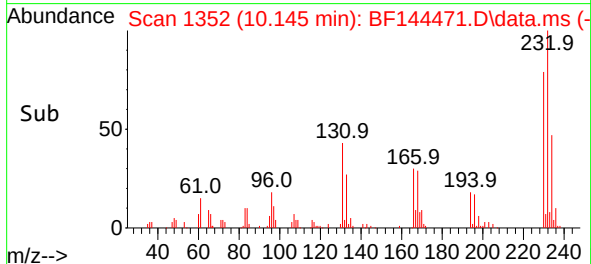
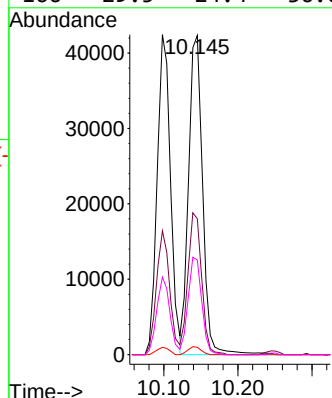
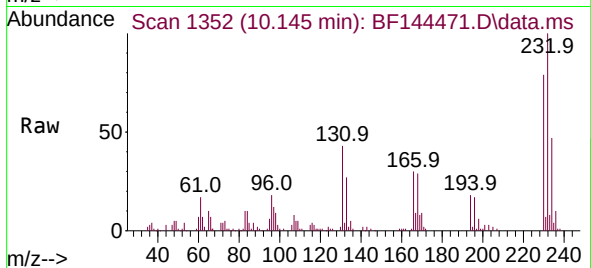




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.378 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

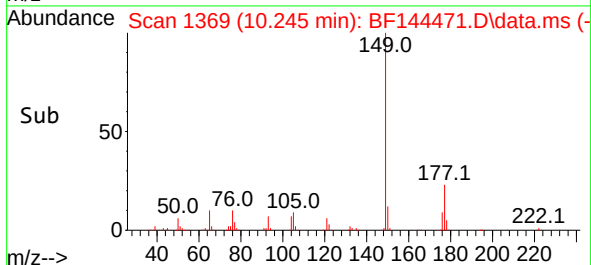
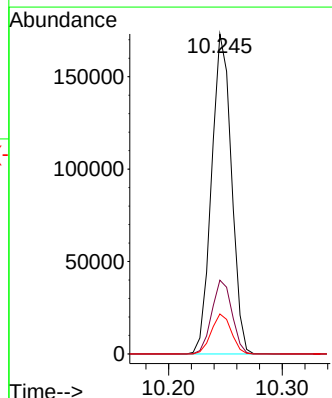
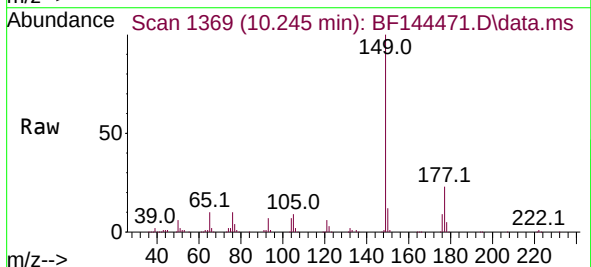
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

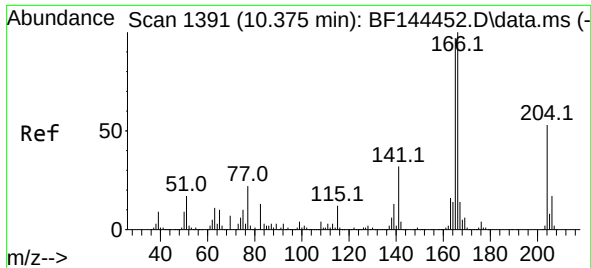
Tgt Ion:232 Resp: 55710
Ion Ratio Lower Upper
232 100
131 43.2 36.3 54.5
130 2.3 1.8 2.6
166 29.5 24.4 36.6



#60
Diethylphthalate
Concen: 7.989 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:149 Resp: 210999
Ion Ratio Lower Upper
149 100
177 23.1 18.7 28.1
150 12.5 10.1 15.1

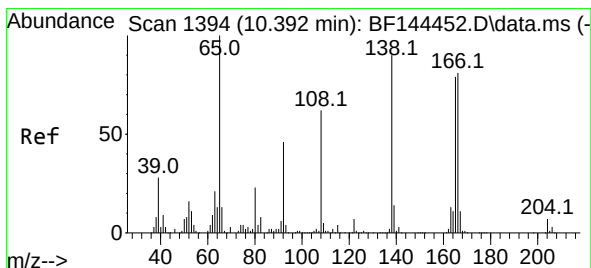
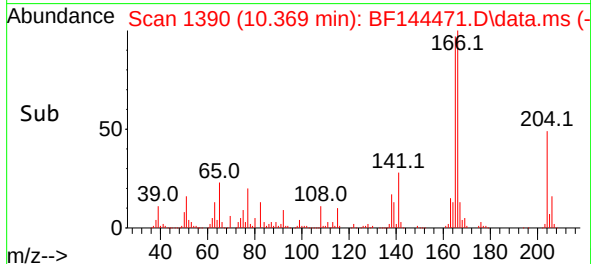
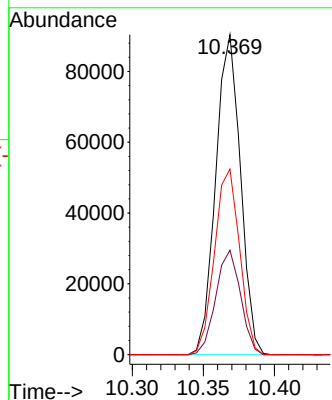
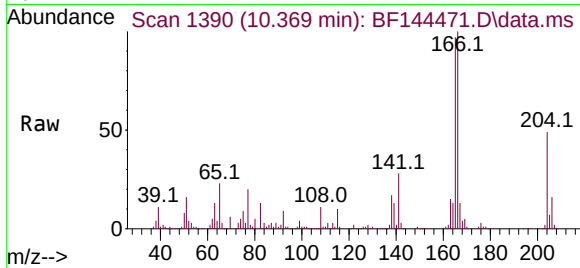




#61
4-Chlorophenyl-phenylether
Concen: 8.541 ng
RT: 10.369 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

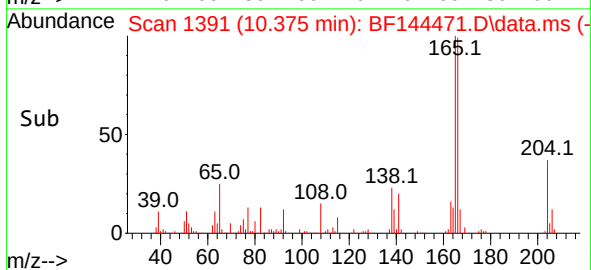
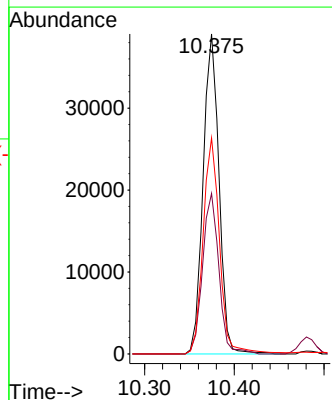
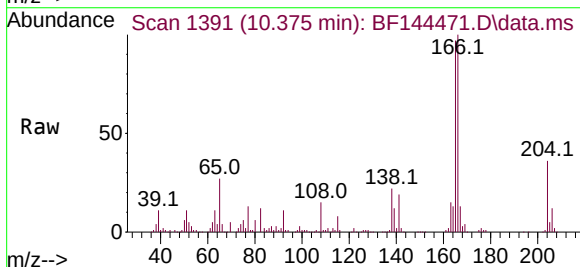
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

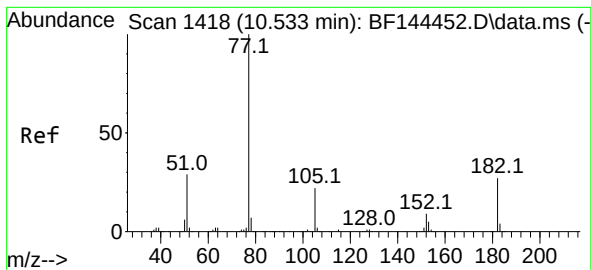
Tgt Ion:204 Resp: 109771
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 58.0 48.4 72.6



#62
4-Nitroaniline
Concen: 9.894 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.017 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:138 Resp: 47986
Ion Ratio Lower Upper
138 100
92 50.1 30.8 70.8
108 67.5 49.2 89.2





#63

Azobenzene

Concen: 7.896 ng

RT: 10.527 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF144471.D

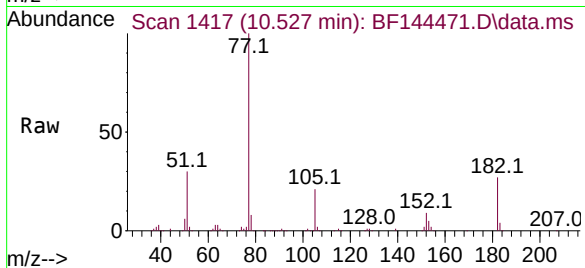
Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



Tgt Ion: 77 Resp: 220420

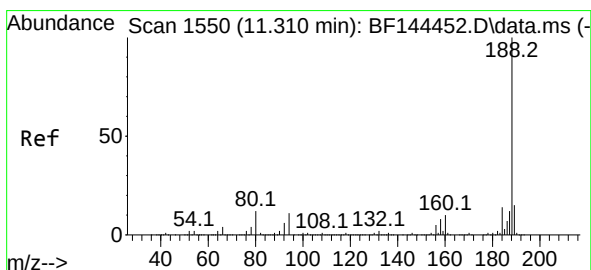
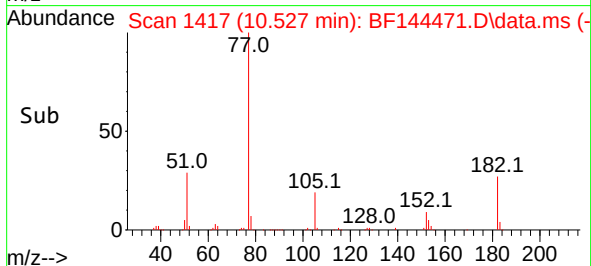
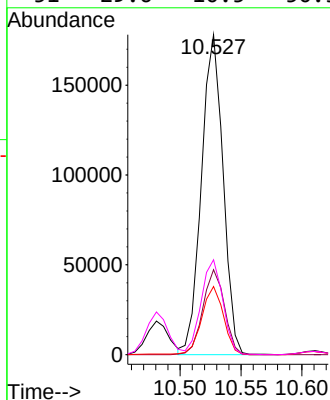
Ion Ratio Lower Upper

77 100

182 26.5 6.1 46.1

105 21.3 1.5 41.5

51 29.6 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: BF144471.D

Acq: 15 Dec 2025 13:41

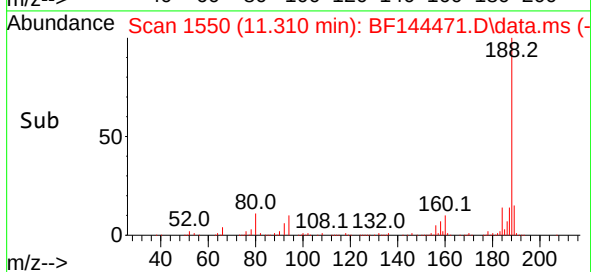
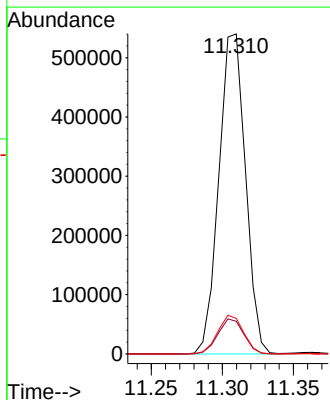
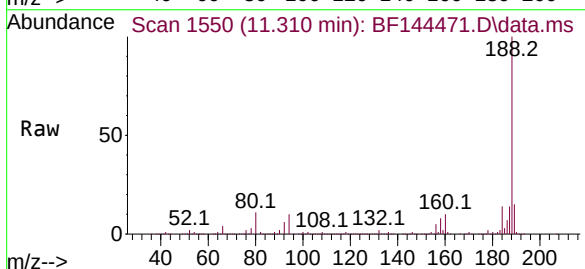
Tgt Ion: 188 Resp: 704056

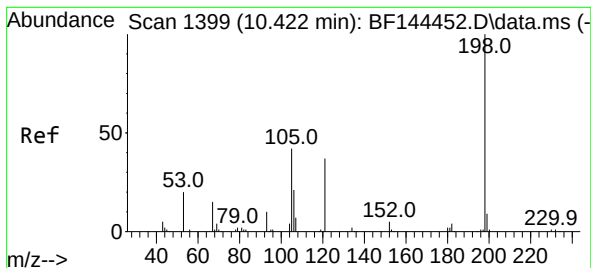
Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.6

80 11.1 9.8 14.8

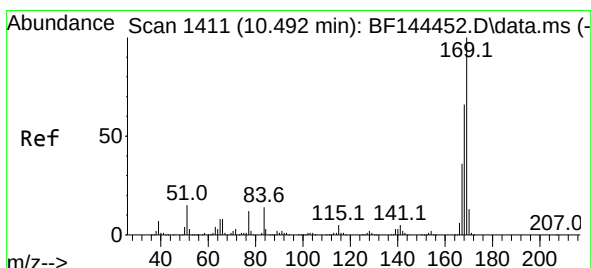
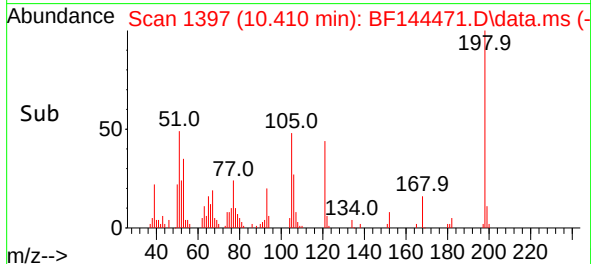
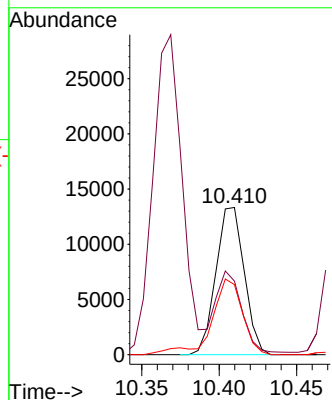
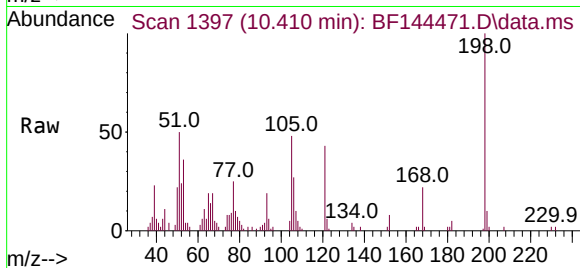




#65
4,6-Dinitro-2-methylphenol
Concen: 11.665 ng
RT: 10.410 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

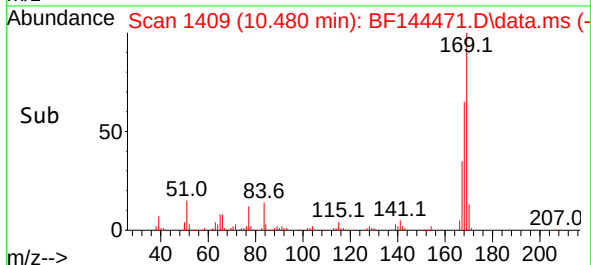
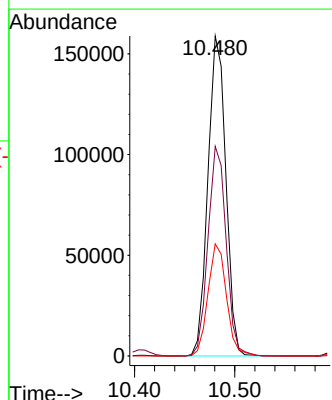
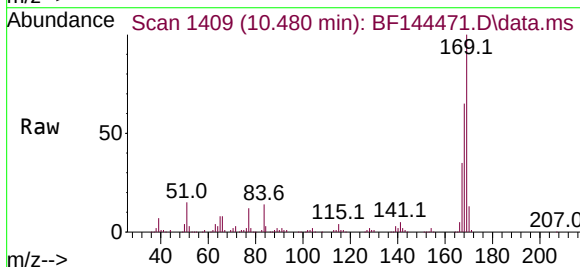
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

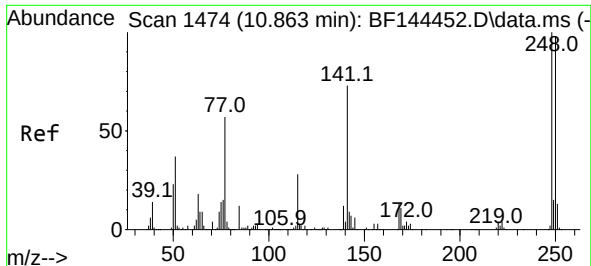
Tgt Ion:198 Resp: 17002
Ion Ratio Lower Upper
198 100
51 49.9 25.5 65.5
105 47.6 23.4 63.4



#66
n-Nitrosodiphenylamine
Concen: 8.165 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:169 Resp: 197001
Ion Ratio Lower Upper
169 100
168 65.5 52.6 79.0
167 35.0 28.8 43.2

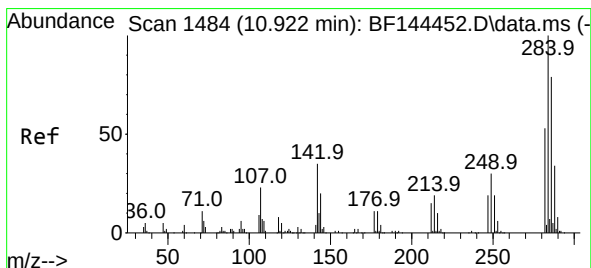
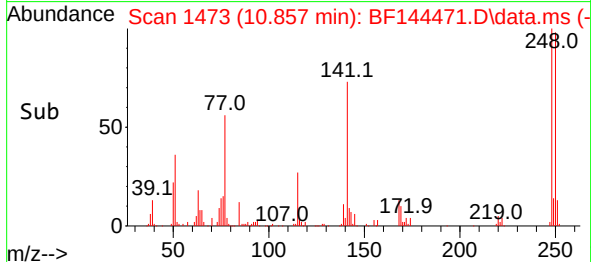
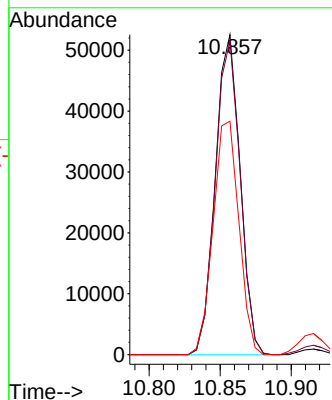
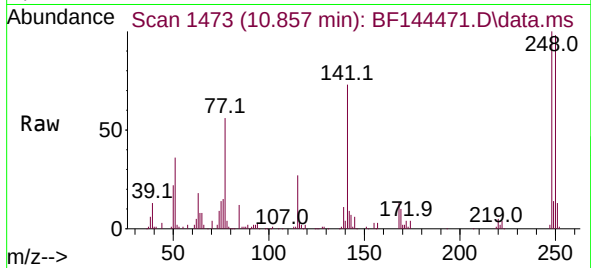




#67
4-Bromophenyl-phenylether
Concen: 7.786 ng
RT: 10.857 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

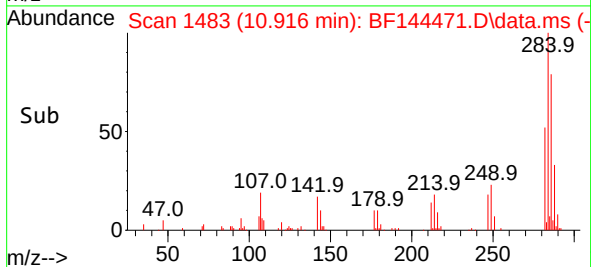
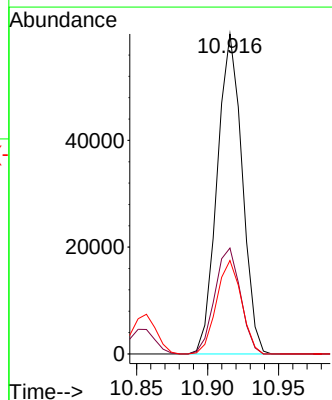
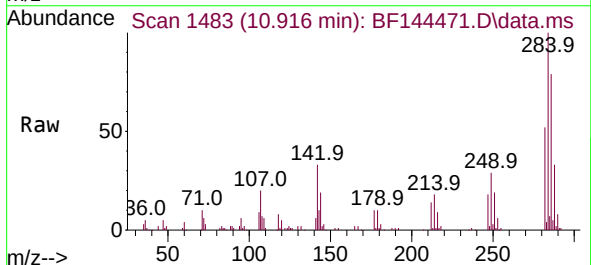
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

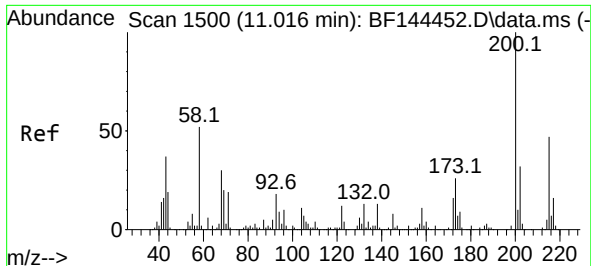
Tgt Ion:248 Resp: 63992
Ion Ratio Lower Upper
248 100
250 98.0 78.2 117.4
141 72.9 58.5 87.7



#68
Hexachlorobenzene
Concen: 8.068 ng
RT: 10.916 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:284 Resp: 73205
Ion Ratio Lower Upper
284 100
142 33.1 28.2 42.2
249 29.2 24.7 37.1





#69

Atrazine

Concen: 8.146 ng

RT: 11.004 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

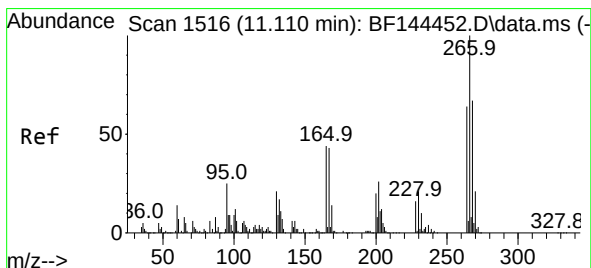
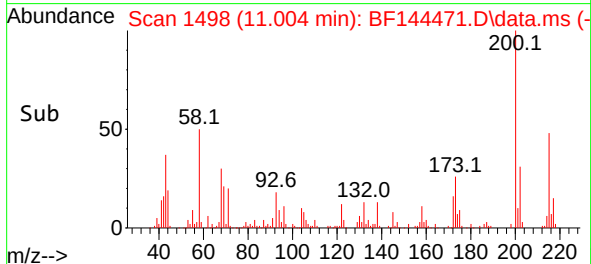
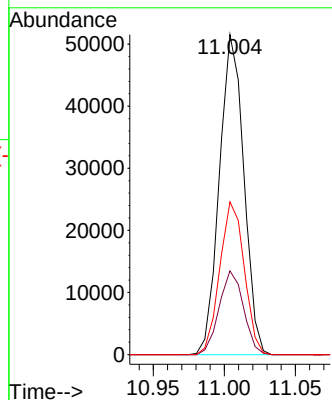
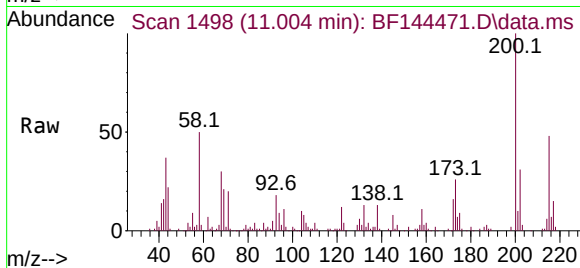
Tgt Ion:200 Resp: 61565

Ion Ratio Lower Upper

200 100

173 26.2 6.2 46.2

215 47.7 27.2 67.2



#70

Pentachlorophenol

Concen: 7.506 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

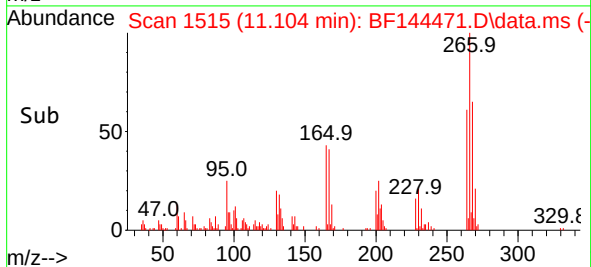
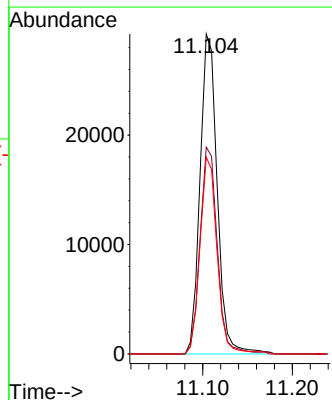
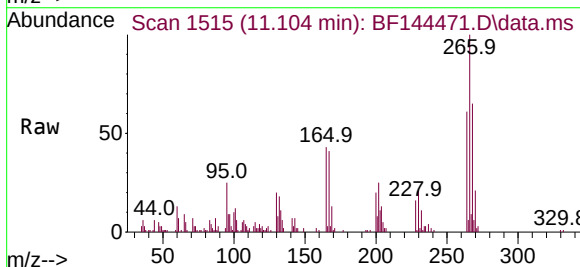
Tgt Ion:266 Resp: 38845

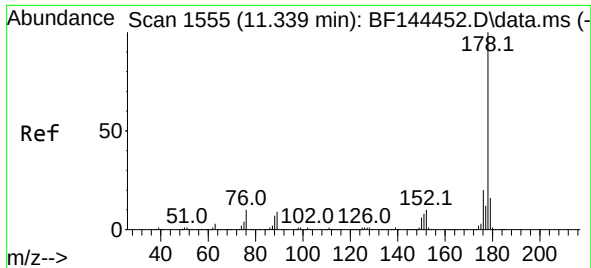
Ion Ratio Lower Upper

266 100

268 64.6 53.8 80.8

264 61.5 51.2 76.8

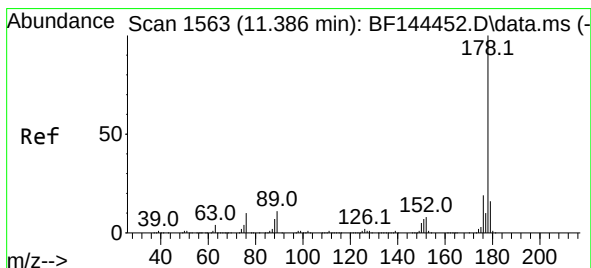
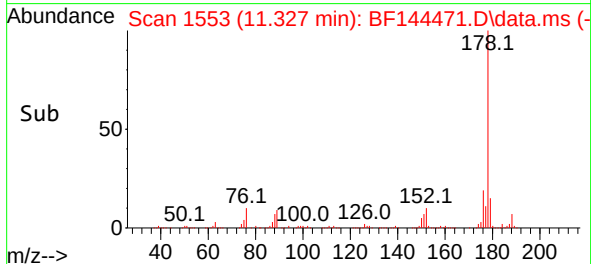
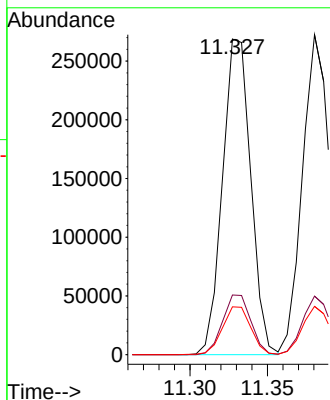
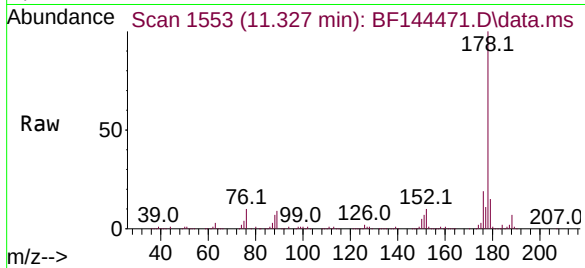




#71
Phenanthrene
Concen: 8.423 ng
RT: 11.327 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

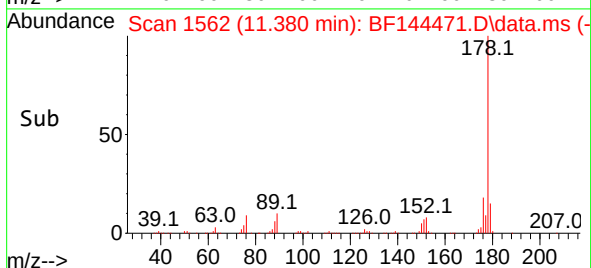
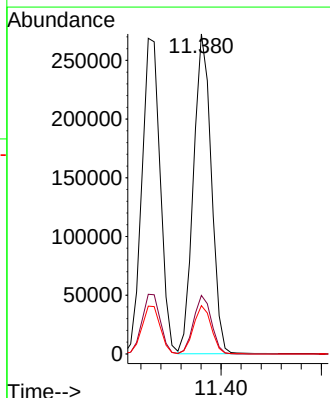
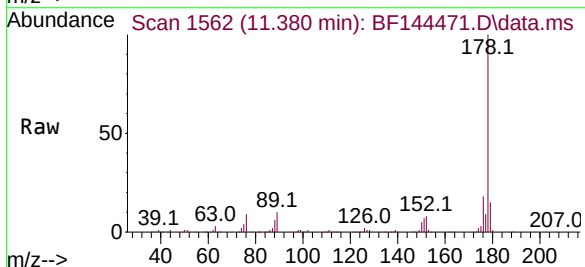
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

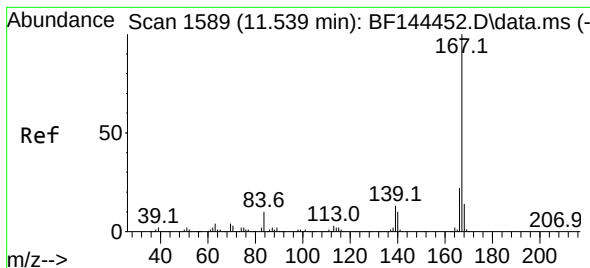
Tgt Ion:178 Resp: 341881
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.1 12.5 18.7



#72
Anthracene
Concen: 8.161 ng
RT: 11.380 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:178 Resp: 335277
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 15.1 12.7 19.1





#73

Carbazole

Concen: 8.664 ng

RT: 11.533 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

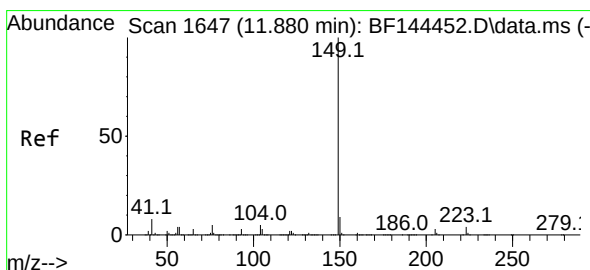
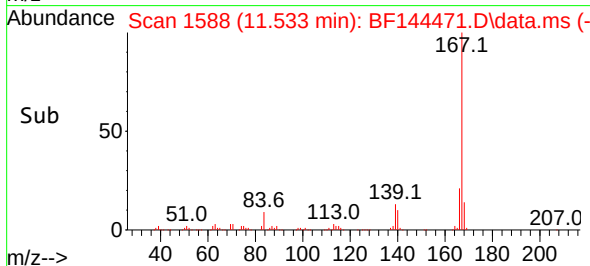
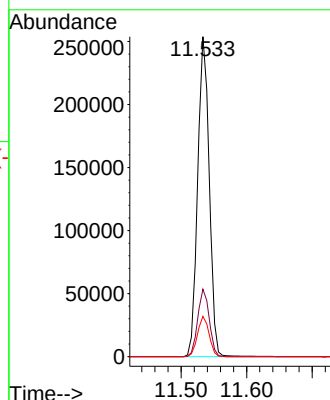
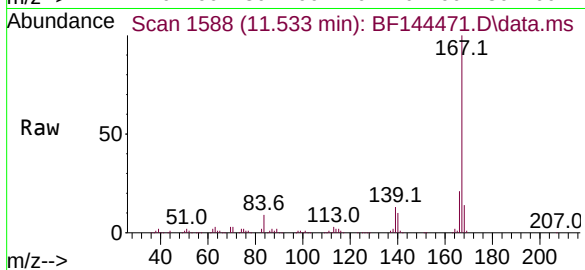
Tgt Ion:167 Resp: 309006

Ion Ratio Lower Upper

167 100

166 21.1 17.4 26.2

139 12.6 10.7 16.1



#74

Di-n-butylphthalate

Concen: 8.207 ng

RT: 11.874 min Scan# 1646

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

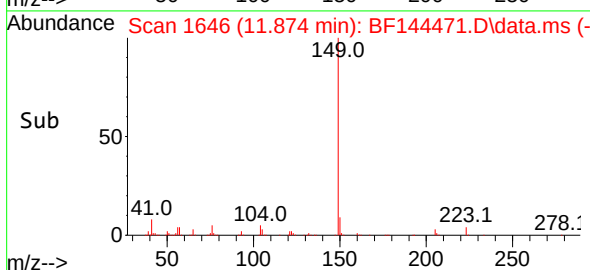
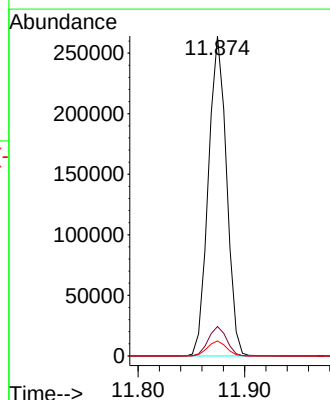
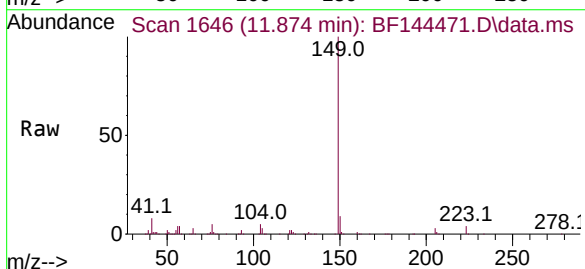
Tgt Ion:149 Resp: 312873

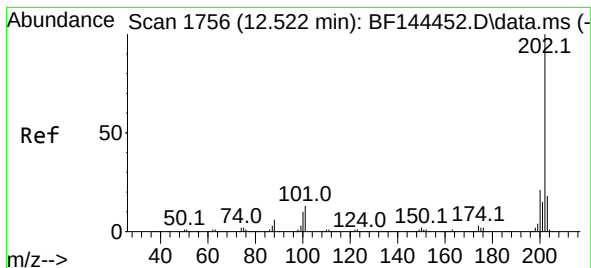
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.7 3.9 5.9





#75

Fluoranthene

Concen: 8.650 ng

RT: 12.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

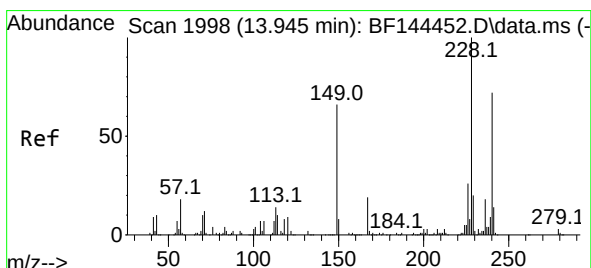
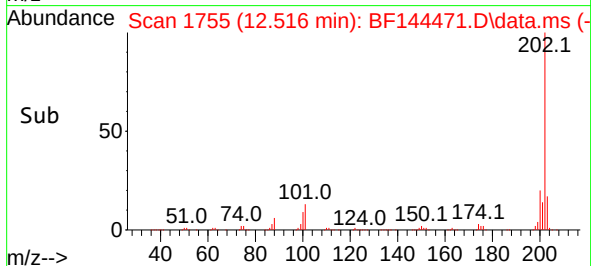
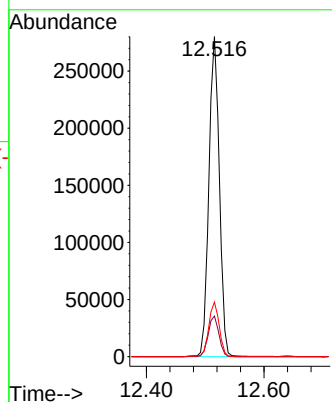
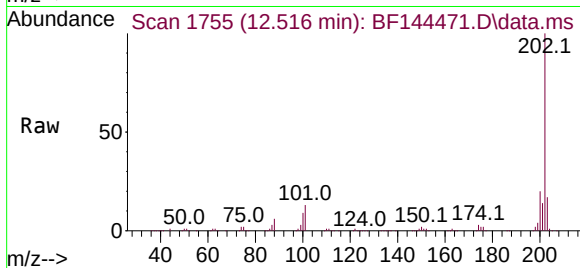
Tgt Ion:202 Resp: 346695

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.9

203 17.0 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 1997

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

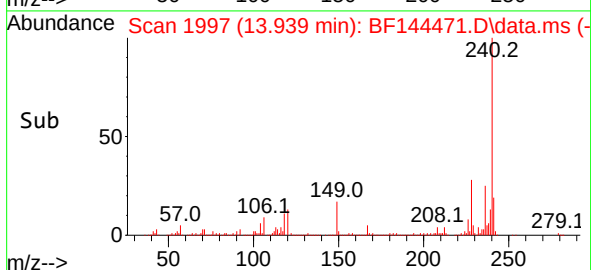
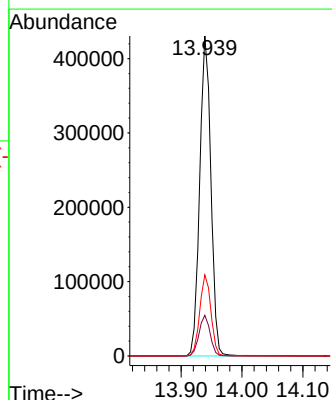
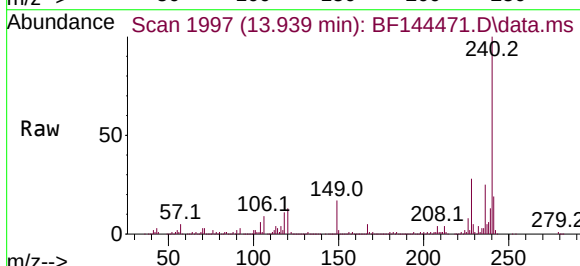
Tgt Ion:240 Resp: 546898

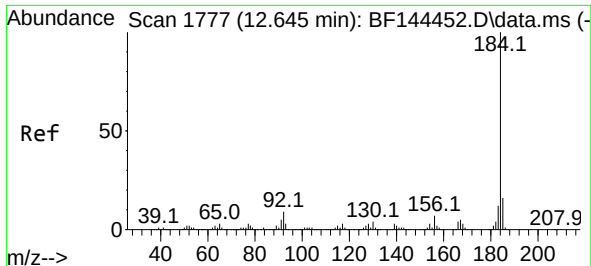
Ion Ratio Lower Upper

240 100

120 12.7 10.3 15.5

236 25.3 20.2 30.4

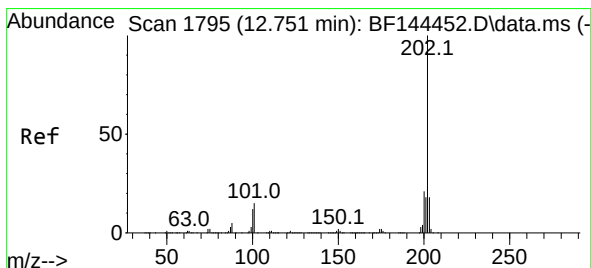
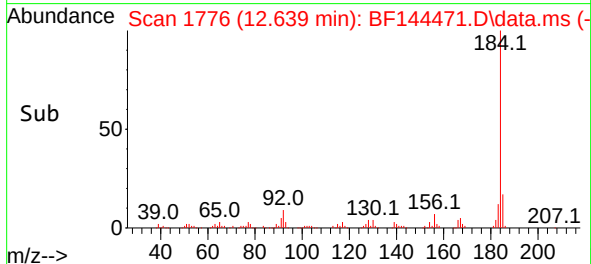
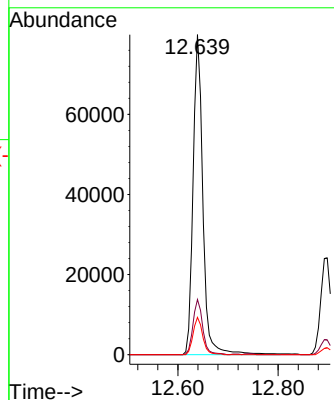
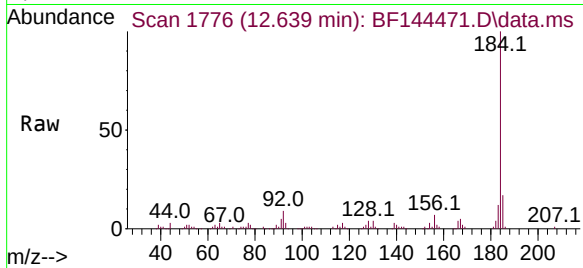




#77
Benzidine
Concen: 5.536 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

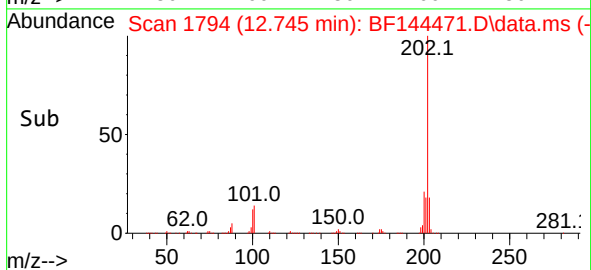
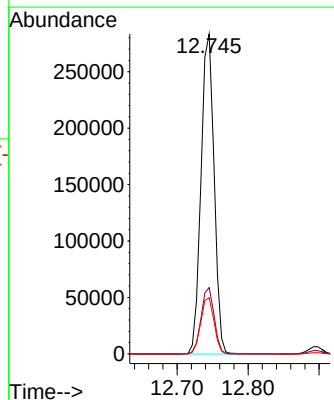
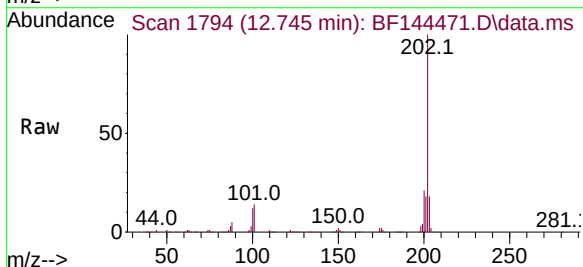
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

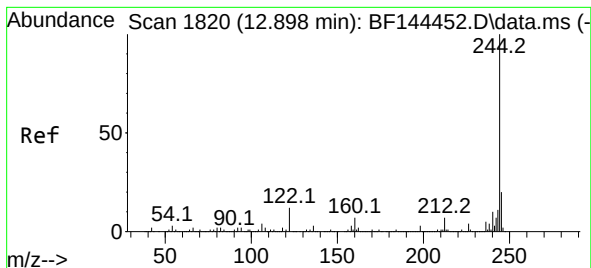
Tgt Ion:184 Resp: 107798
Ion Ratio Lower Upper
184 100
185 17.2 12.6 18.8
183 11.6 9.4 14.0



#78
Pyrene
Concen: 7.207 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:202 Resp: 361126
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 73.724 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.000 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

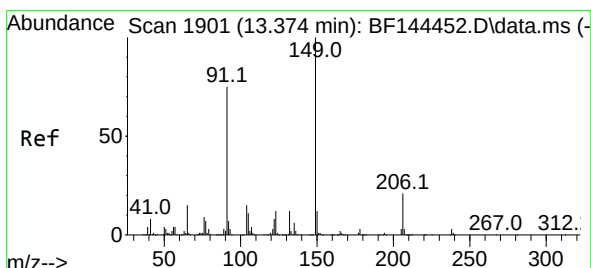
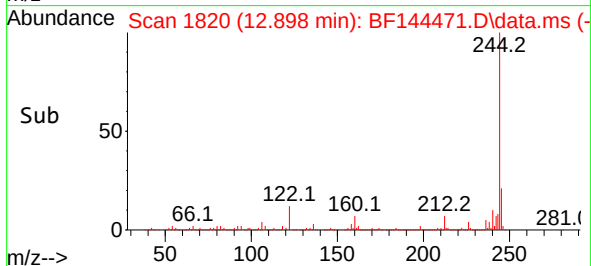
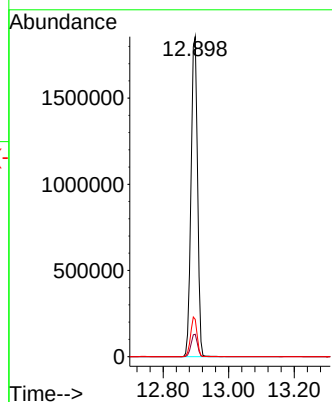
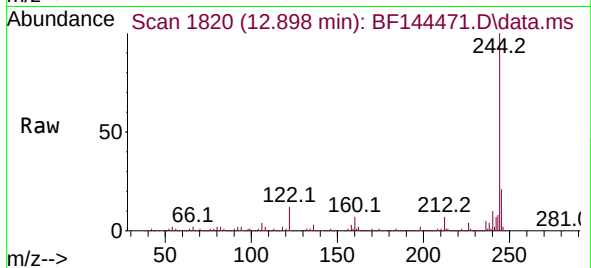
Tgt Ion:244 Resp: 2553845

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.6 9.9 14.9



#80

Butylbenzylphthalate

Concen: 8.990 ng

RT: 13.368 min Scan# 1900

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

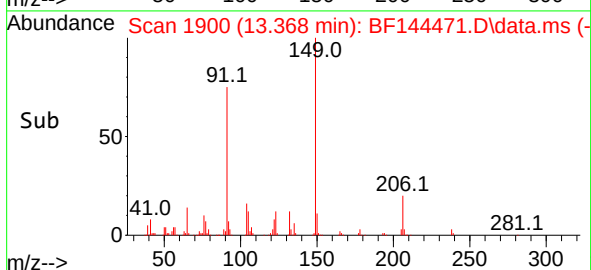
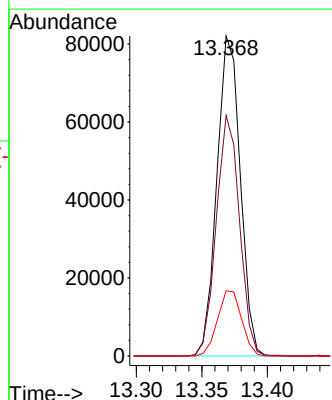
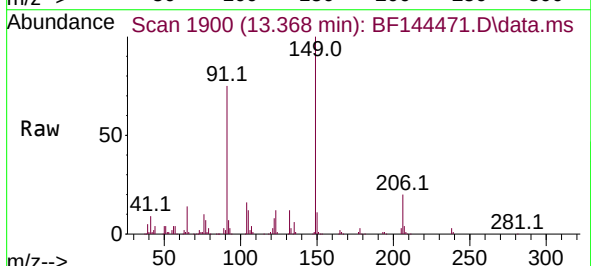
Tgt Ion:149 Resp: 101960

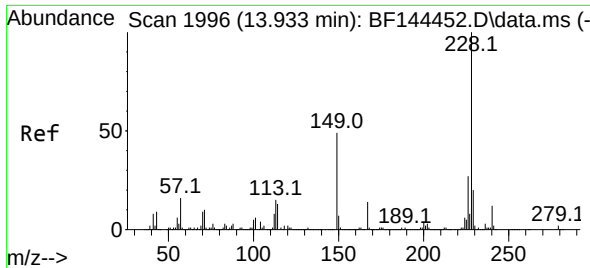
Ion Ratio Lower Upper

149 100

91 75.1 59.8 89.8

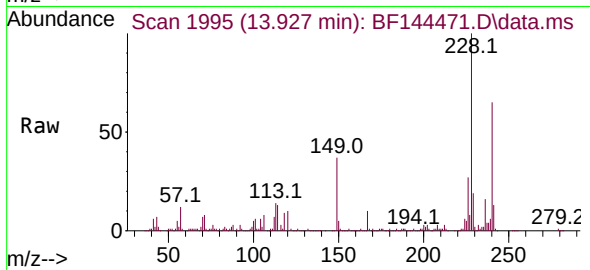
206 20.4 17.0 25.6



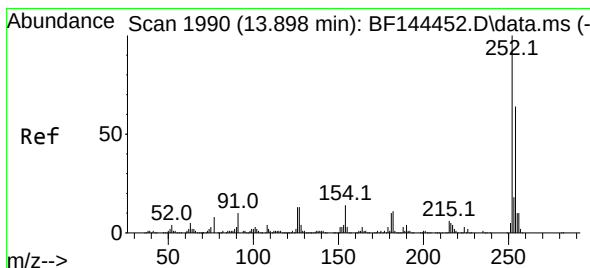
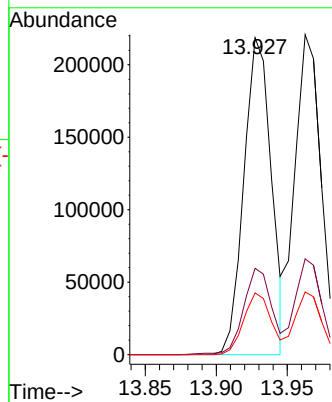
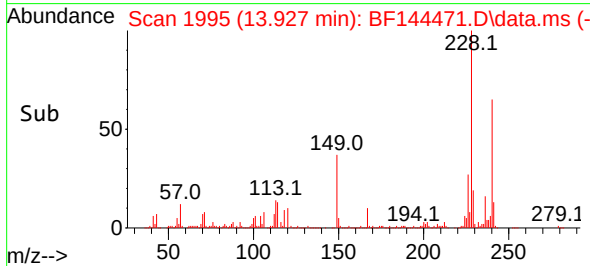


#81
Benzo(a)anthracene
Concen: 7.616 ng
RT: 13.927 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

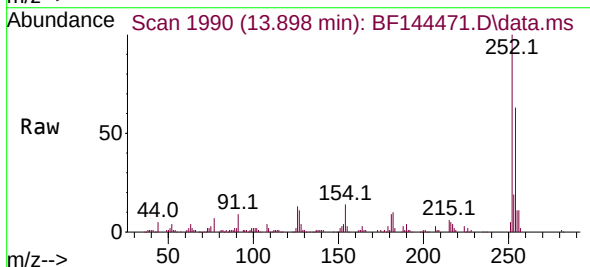
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025



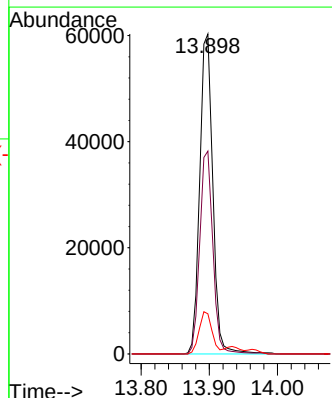
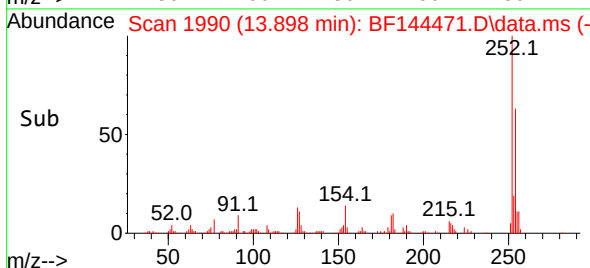
Tgt Ion:228 Resp: 293321
Ion Ratio Lower Upper
228 100
226 27.3 21.9 32.9
229 19.5 16.1 24.1

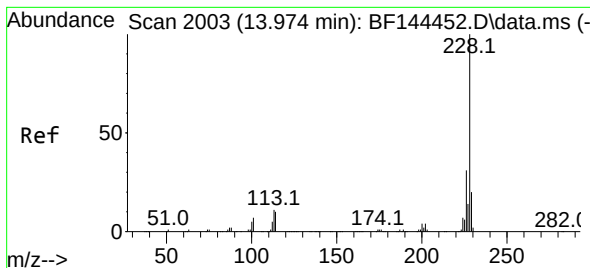


#82
3,3'-Dichlorobenzidine
Concen: 7.383 ng
RT: 13.898 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41



Tgt Ion:252 Resp: 80573
Ion Ratio Lower Upper
252 100
254 63.4 51.1 76.7
126 12.5 10.4 15.6





#83

Chrysene

Concen: 8.105 ng

RT: 13.963 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF144471.D

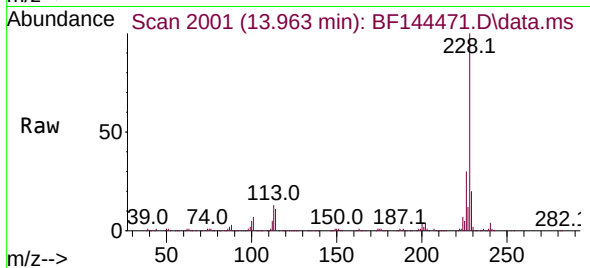
Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



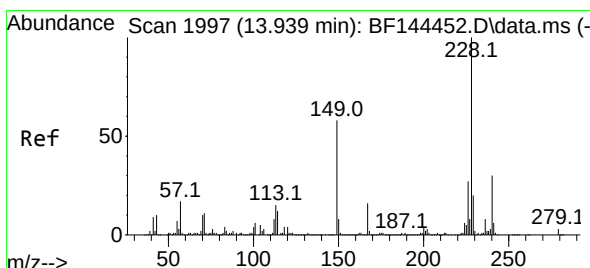
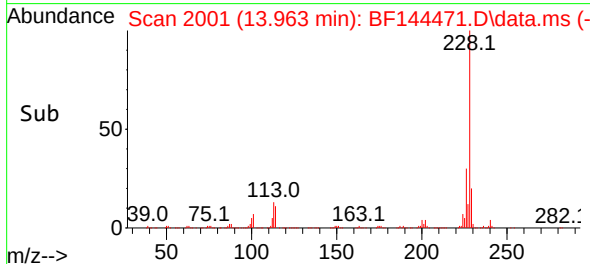
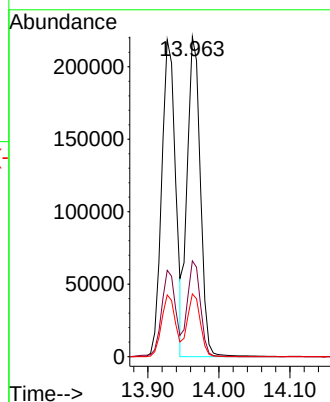
Tgt Ion:228 Resp: 285690

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 19.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.935 ng

RT: 13.933 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

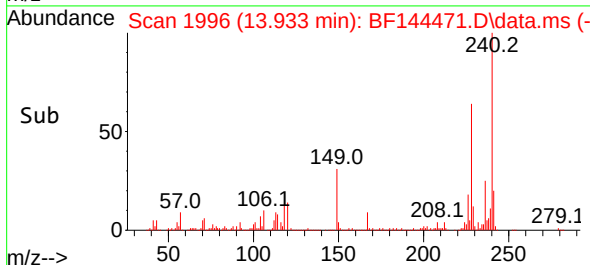
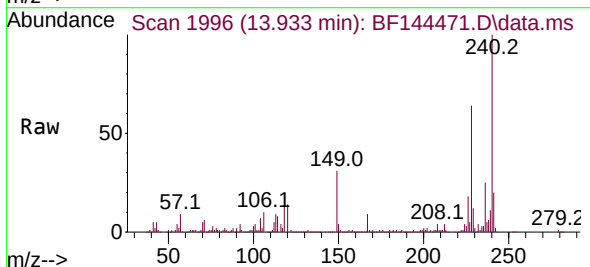
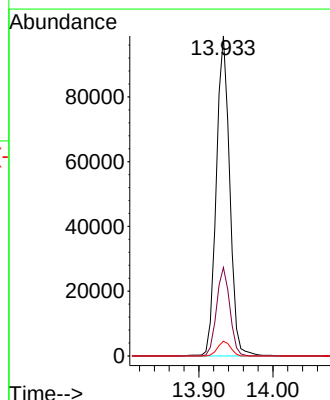
Tgt Ion:149 Resp: 123807

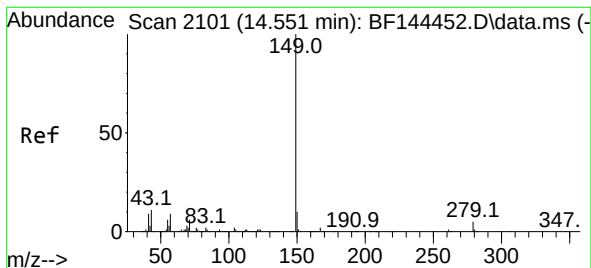
Ion Ratio Lower Upper

149 100

167 27.6 22.6 34.0

279 4.6 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 10.510 ng

RT: 14.545 min Scan# 2101

Delta R.T. -0.006 min

Lab File: BF144471.D

Acq: 15 Dec 2025 13:41

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

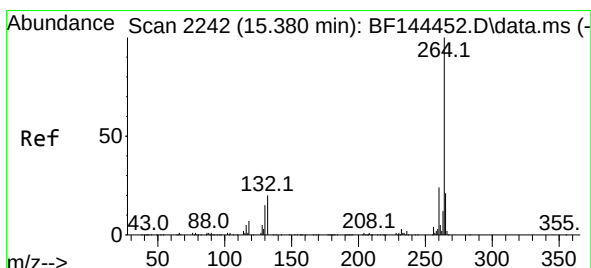
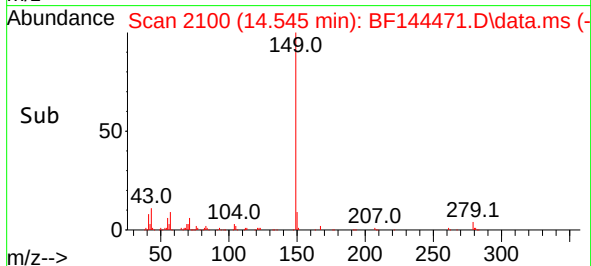
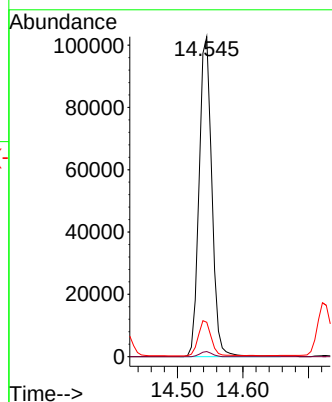
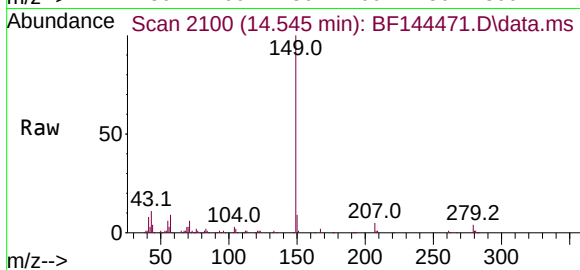
Tgt Ion:149 Resp: 137710

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 11.1 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: BF144471.D

Acq: 15 Dec 2025 13:41

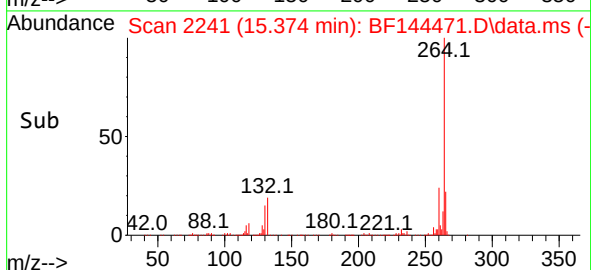
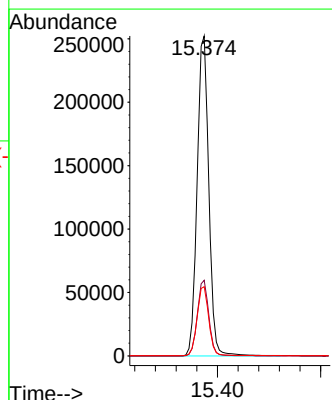
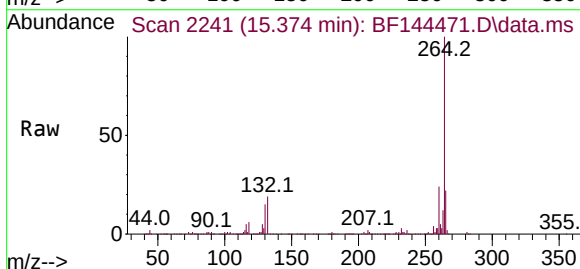
Tgt Ion:264 Resp: 394256

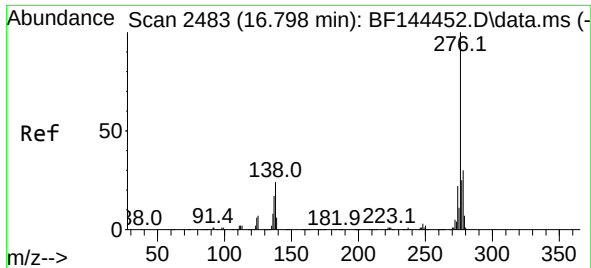
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.6 17.1 25.7

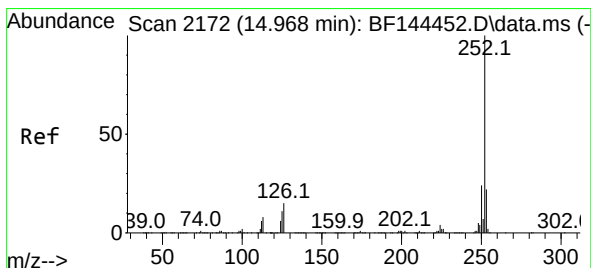
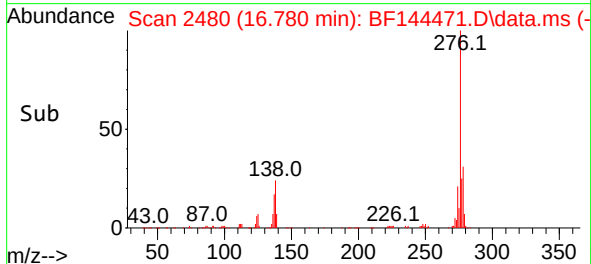
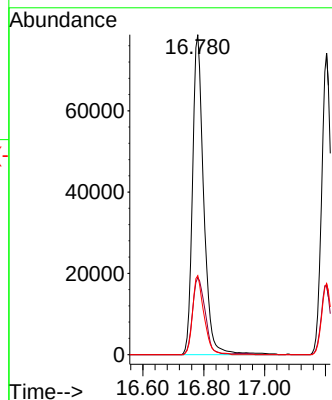
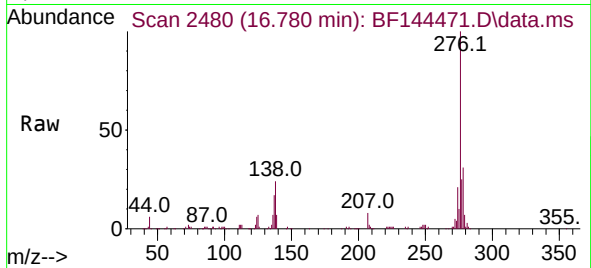




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.107 ng
 RT: 16.780 min Scan# 2483
 Delta R.T. -0.018 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

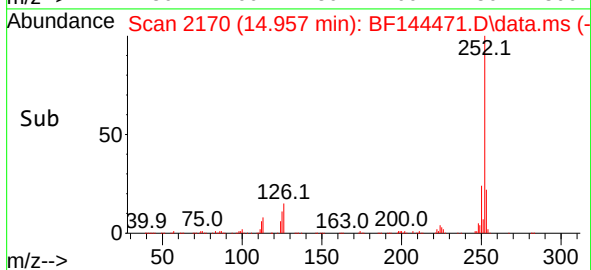
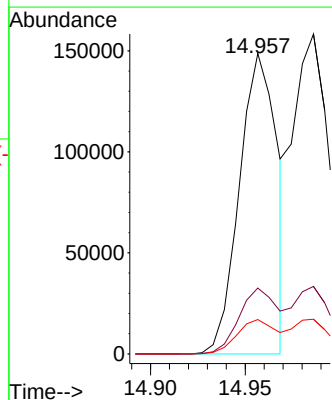
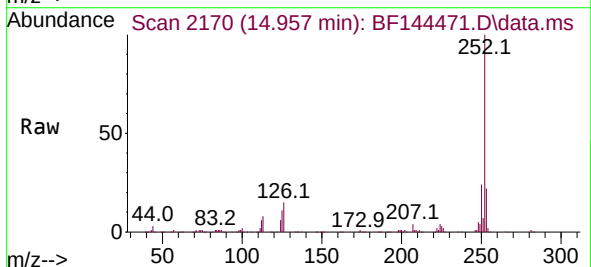
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

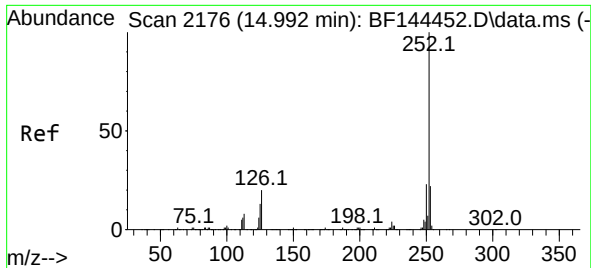
Tgt Ion:276 Resp: 201115
 Ion Ratio Lower Upper
 276 100
 138 27.0 21.9 32.9
 277 25.0 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 7.974 ng
 RT: 14.957 min Scan# 2170
 Delta R.T. -0.012 min
 Lab File: BF144471.D
 Acq: 15 Dec 2025 13:41

Tgt Ion:252 Resp: 206379
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.7 26.5
 125 11.4 9.0 13.4

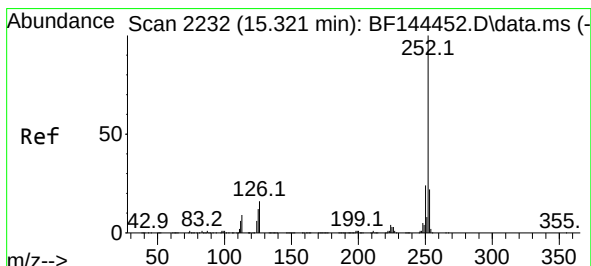
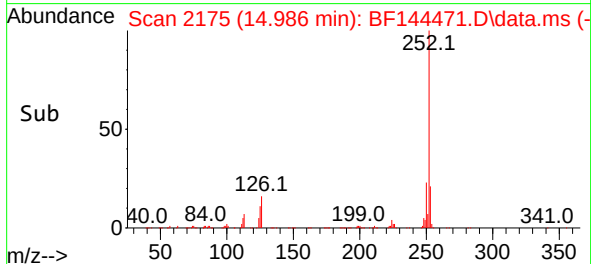
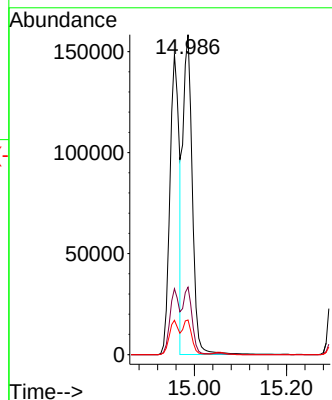
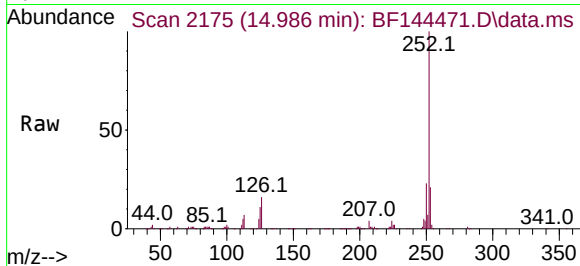




#89
Benzo(k)fluoranthene
Concen: 9.215 ng
RT: 14.986 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

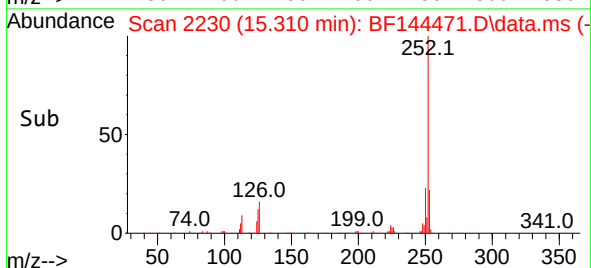
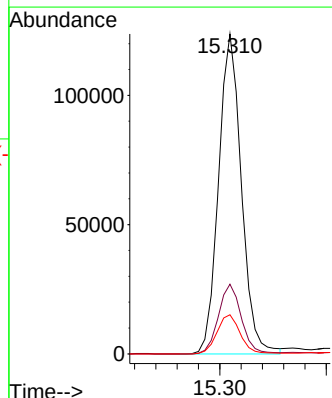
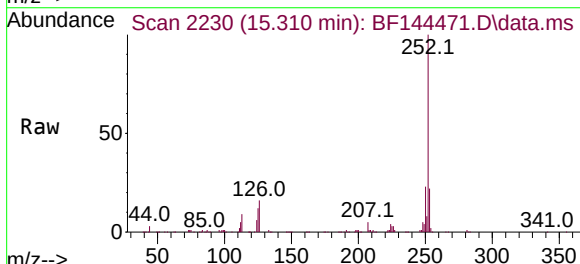
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

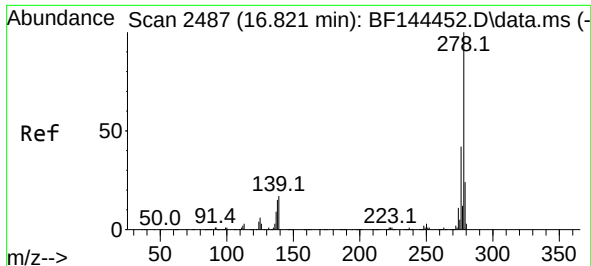
Tgt Ion:252 Resp: 225523
Ion Ratio Lower Upper
252 100
253 21.1 17.7 26.5
125 10.8 9.7 14.5



#90
Benzo(a)pyrene
Concen: 8.151 ng
RT: 15.310 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:252 Resp: 184416
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 12.2 9.9 14.9

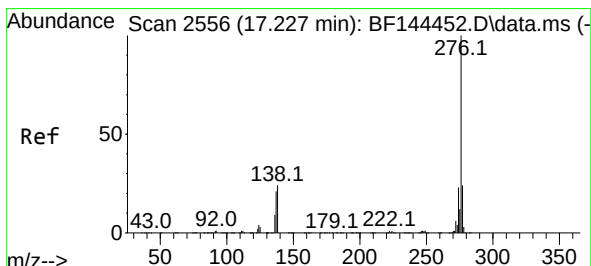
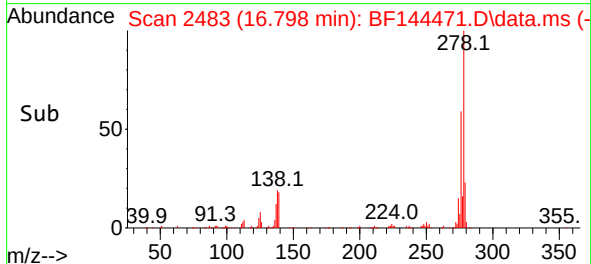
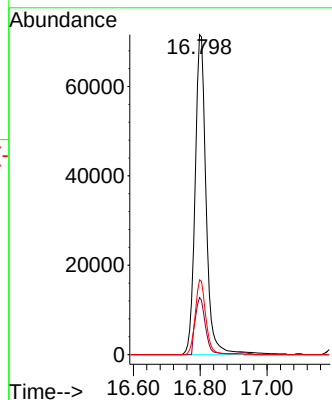
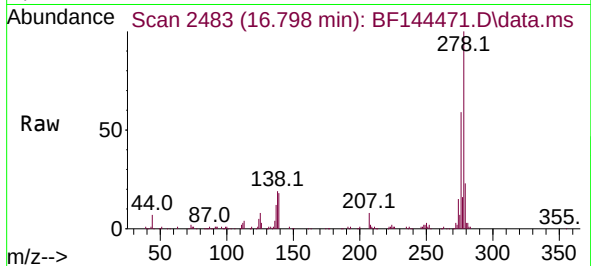




#91
Dibenzo(a,h)anthracene
Concen: 7.190 ng
RT: 16.798 min Scan# 2483
Delta R.T. -0.024 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

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

Tgt Ion:278 Resp: 164321
Ion Ratio Lower Upper
278 100
139 17.8 13.6 20.4
279 23.4 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 7.122 ng
RT: 17.204 min Scan# 2552
Delta R.T. -0.024 min
Lab File: BF144471.D
Acq: 15 Dec 2025 13:41

Tgt Ion:276 Resp: 165507
Ion Ratio Lower Upper
276 100
277 23.6 18.8 28.2
138 22.9 19.4 29.2

