

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144475.D
 Acq On : 15 Dec 2025 15:39
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOD-SOIL-4NG
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 15 15:58:50 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	204166	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	788550	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	428443	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	725614	20.000	ng	0.00
76) Chrysene-d12	13.939	240	597293	20.000	ng	0.00
86) Perylene-d12	15.374	264	446199	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1480917	109.369	ng	0.00
7) Phenol-d6	6.416	99	1865309	110.443	ng	0.00
23) Nitrobenzene-d5	7.357	82	1179015	93.564	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	503398	129.958	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2161283	77.387	ng	0.00
79) Terphenyl-d14	12.898	244	2531306	66.908	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.499	88	23391	3.593	ng	97
3) Pyridine	3.281	79	61147	3.415	ng	99
4) n-Nitrosodimethylamine	3.157	42	27195	3.495	ng	# 99
6) Aniline	6.457	93	90652	3.848	ng	99
8) 2-Chlorophenol	6.575	128	58147	4.005	ng	84
9) Benzaldehyde	6.340	77	45915	3.473	ng	99
10) Phenol	6.428	94	75378	3.782	ng	# 63
11) bis(2-Chloroethyl)ether	6.528	93	54863	3.766	ng	99
12) 1,3-Dichlorobenzene	6.734	146	61646	3.930	ng	98
13) 1,4-Dichlorobenzene	6.810	146	64201	4.080	ng	98
14) 1,2-Dichlorobenzene	6.963	146	59607	3.988	ng	98
15) Benzyl Alcohol	6.928	79	44323	3.560	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	86540	3.520	ng	99
17) 2-Methylphenol	7.034	107	46188	3.774	ng	97
18) Hexachloroethane	7.304	117	20833	3.810	ng	94
19) n-Nitroso-di-n-propyla...	7.198	70	39181	3.673	ng	98
20) 3+4-Methylphenols	7.187	107	59234	3.939	ng	# 87
22) Acetophenone	7.198	105	79599	4.070	ng	95
24) Nitrobenzene	7.369	77	61069	4.467	ng	98
25) Isophorone	7.604	82	103764	3.649	ng	98
26) 2-Nitrophenol	7.687	139	18121	6.786	ng	98
27) 2,4-Dimethylphenol	7.722	122	55710	4.106	ng	95
28) bis(2-Chloroethoxy)met...	7.822	93	65980	3.765	ng	98
29) 2,4-Dichlorophenol	7.922	162	43266	3.837	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	50438	4.125	ng	97
31) Naphthalene	8.092	128	171038	4.030	ng	99
32) Benzoic acid	7.757	122	11708	7.775	ng	98
33) 4-Chloroaniline	8.139	127	66177	3.879	ng	98
34) Hexachlorobutadiene	8.216	225	28819	3.811	ng	99
35) Caprolactam	8.463	113	11813	3.173	ng	97
36) 4-Chloro-3-methylphenol	8.610	107	43461	3.551	ng	97
37) 2-Methylnaphthalene	8.786	142	98952	3.544	ng	98
38) 1-Methylnaphthalene	8.886	142	104930	3.859	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	50768	4.164	ng	98
41) Hexachlorocyclopentadiene	8.939	237	24157	3.348	ng	99
43) 2,4,6-Trichlorophenol	9.057	196	28283	3.653	ng	97

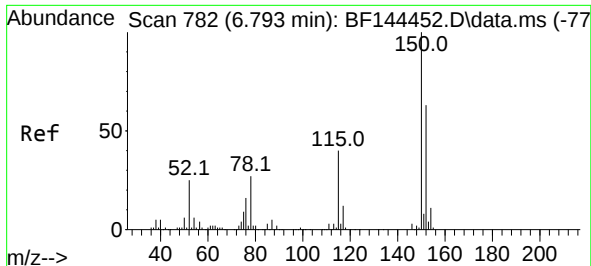
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144475.D
 Acq On : 15 Dec 2025 15:39
 Operator : RC/JU
 Sample : Q3530-01
 Misc : LOD-SOIL-4NG
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Dec 15 15:58:50 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)
44) 2,4,5-Trichlorophenol	9.092	196	30708	3.778	ng	97
46) 1,1'-Biphenyl	9.251	154	138878	4.148	ng	98
47) 2-Chloronaphthalene	9.275	162	101460	3.969	ng	97
48) 2-Nitroaniline	9.363	65	21458	6.338	ng	98
49) Acenaphthylene	9.686	152	158940	3.925	ng	99
50) Dimethylphthalate	9.545	163	111151	3.841	ng	100
51) 2,6-Dinitrotoluene	9.604	165	19398	7.268	ng	99
52) Acenaphthene	9.857	154	100991	4.000	ng	99
53) 3-Nitroaniline	9.769	138	22519	6.259	ng	# 95
54) 2,4-Dinitrophenol	9.875	184	3871	8.516	ng	# 24
55) Dibenzofuran	10.028	168	146769	4.085	ng	96
56) 4-Nitrophenol	9.916	139	15750	3.196	ng	96
57) 2,4-Dinitrotoluene	10.004	165	21242	6.583	ng	99
58) Fluorene	10.369	166	115668	4.252	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	26301	4.263	ng	98
60) Diethylphthalate	10.245	149	102193	3.726	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	55171	4.133	ng	96
62) 4-Nitroaniline	10.375	138	21621	5.716	ng	99
63) Azobenzene	10.528	77	107254	3.700	ng	98
65) 4,6-Dinitro-2-methylph...	10.404	198	6523	8.624	ng	89
66) n-Nitrosodiphenylamine	10.480	169	98278	3.952	ng	97
67) 4-Bromophenyl-phenylether	10.857	248	31643	3.735	ng	98
68) Hexachlorobenzene	10.916	284	35207	3.765	ng	100
69) Atrazine	11.004	200	28035	3.599	ng	99
70) Pentachlorophenol	11.104	266	16312	3.058	ng	96
71) Phenanthrene	11.333	178	170863	4.085	ng	98
72) Anthracene	11.380	178	168680	3.984	ng	98
73) Carbazole	11.533	167	153426	4.174	ng	98
74) Di-n-butylphthalate	11.874	149	138856	3.534	ng	99
75) Fluoranthene	12.516	202	166654	4.034	ng	98
77) Benzidine	12.639	184	65162	3.064	ng	97
78) Pyrene	12.745	202	178564	3.263	ng	99
80) Butylbenzylphthalate	13.368	149	45096	5.579	ng	98
81) Benzo(a)anthracene	13.927	228	150381	3.575	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	36962	3.101	ng	96
83) Chrysene	13.963	228	146986	3.818	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	51497	5.202	ng	99
85) Di-n-octyl phthalate	14.545	149	52991	7.914	ng	99
87) Indeno(1,2,3-cd)pyrene	16.774	276	89810	2.804	ng	100
88) Benzo(b)fluoranthene	14.957	252	103600	3.537	ng	98
89) Benzo(k)fluoranthene	14.986	252	117538	4.244	ng	98
90) Benzo(a)pyrene	15.310	252	89475	3.495	ng	100
91) Dibenzo(a,h)anthracene	16.798	278	72300	2.795	ng	99
92) Benzo(g,h,i)perylene	17.204	276	74020	2.815	ng	99

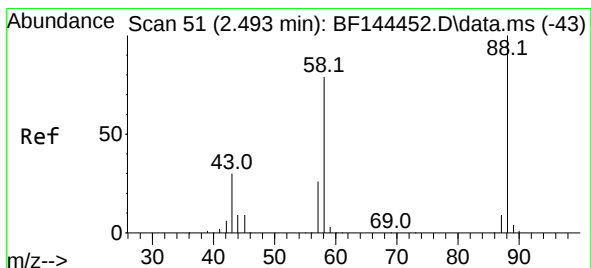
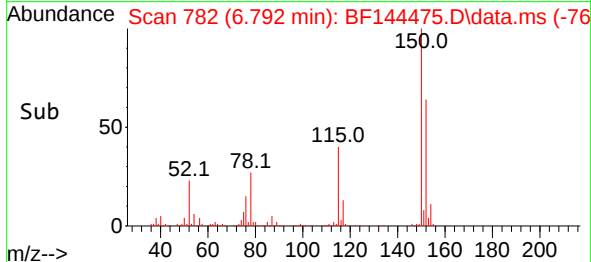
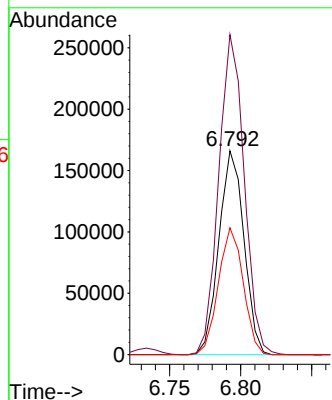
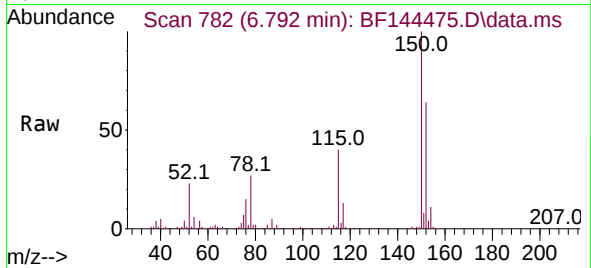
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 782
 Delta R.T. -0.001 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

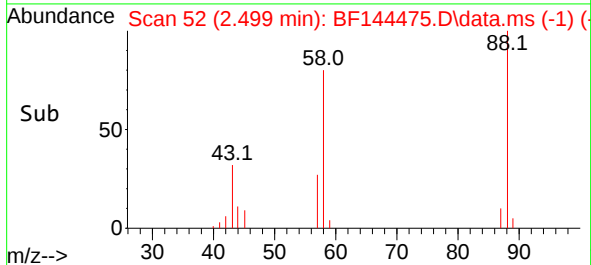
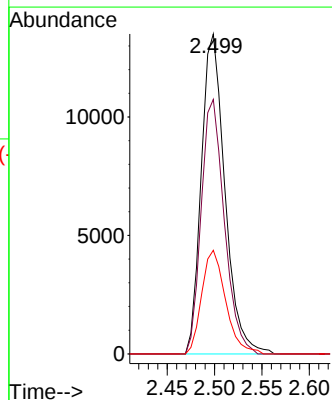
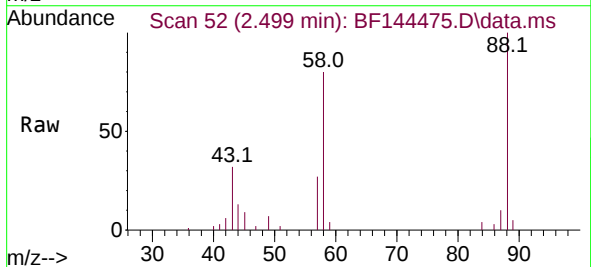
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

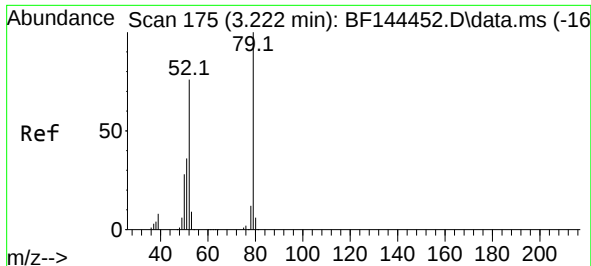
Tgt Ion:152 Resp: 204166
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.4 191.2
 115 62.2 51.4 77.0



#2
 1,4-Dioxane
 Concen: 3.593 ng
 RT: 2.499 min Scan# 52
 Delta R.T. 0.006 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

Tgt Ion: 88 Resp: 23391
 Ion Ratio Lower Upper
 88 100
 58 77.9 63.9 95.9
 43 32.9 24.2 36.4





#3

Pyridine

Concen: 3.415 ng

RT: 3.281 min Scan# 185

Delta R.T. 0.059 min

Lab File: BF144475.D

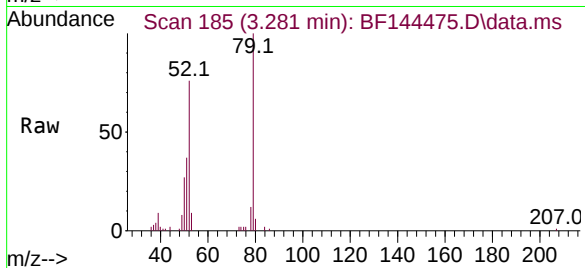
Acq: 15 Dec 2025 15:39

Instrument :

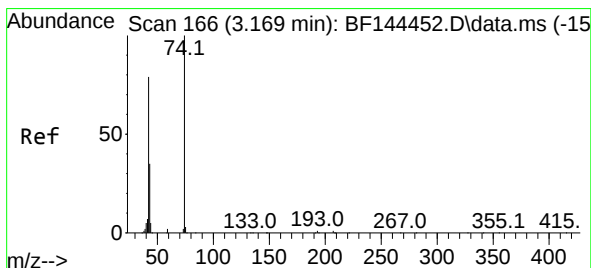
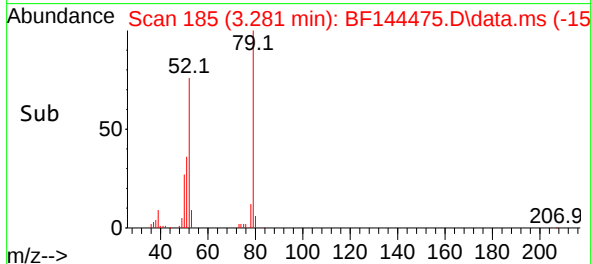
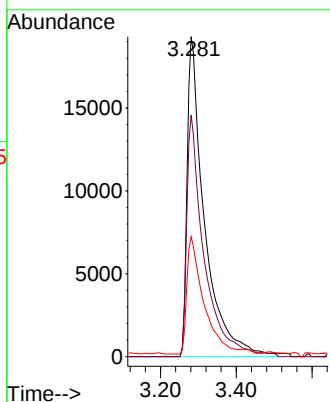
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



Tgt Ion:	79	Resp:	61147
Ion Ratio	Lower	Upper	
79	100		
52	75.5	60.5	90.7
51	37.4	29.0	43.6



#4

n-Nitrosodimethylamine

Concen: 3.495 ng

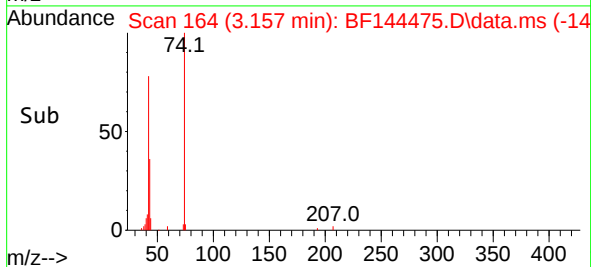
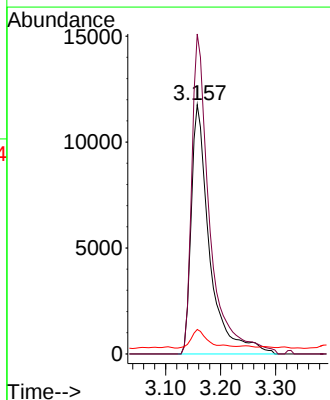
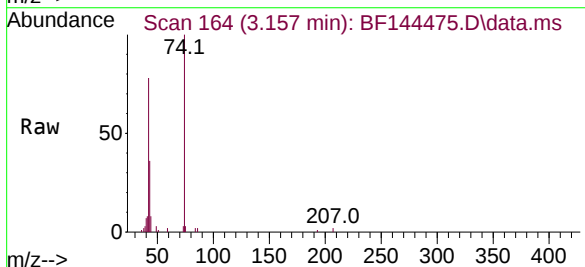
RT: 3.157 min Scan# 164

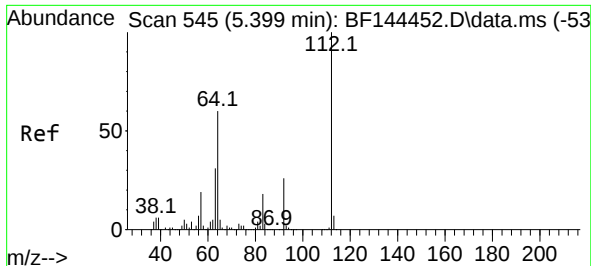
Delta R.T. -0.012 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Tgt Ion:	42	Resp:	27195
Ion Ratio	Lower	Upper	
42	100		
74	128.4	101.8	152.8
44	9.8	5.7	8.5

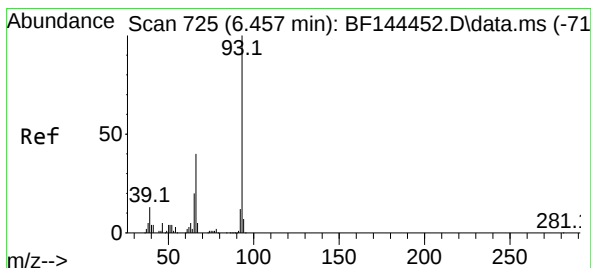
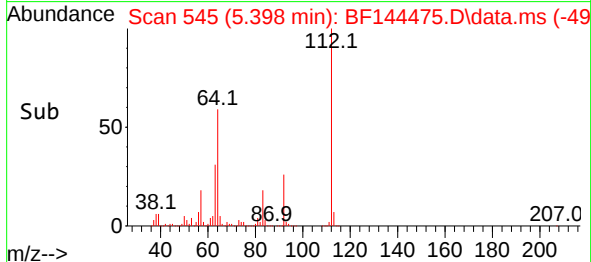
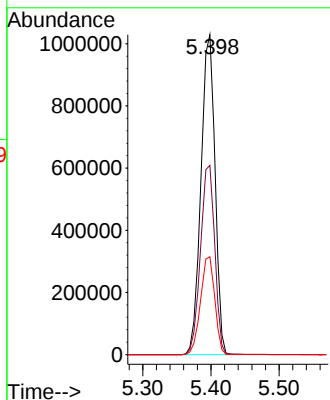
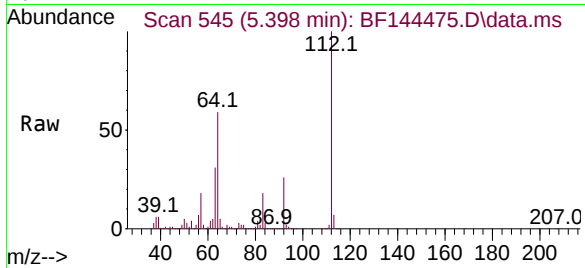




#5
2-Fluorophenol
Concen: 109.369 ng
RT: 5.398 min Scan# 54
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

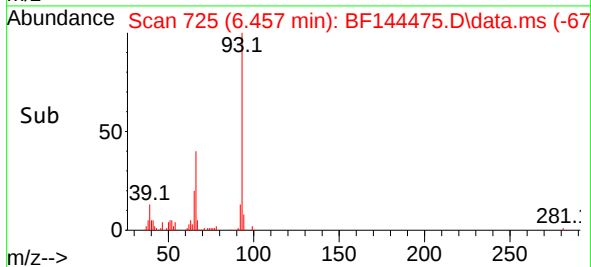
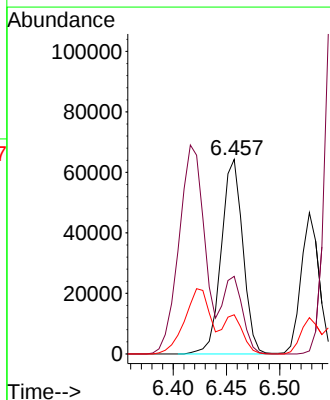
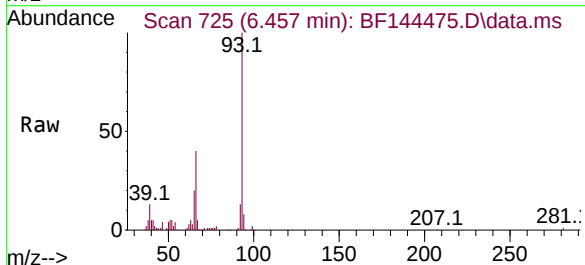
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

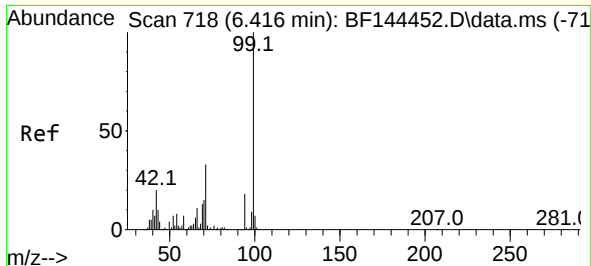
Tgt Ion:112 Resp: 1480917
Ion Ratio Lower Upper
112 100
64 59.1 47.8 71.6
63 30.6 24.6 37.0



#6
Aniline
Concen: 3.848 ng
RT: 6.457 min Scan# 725
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion: 93 Resp: 90652
Ion Ratio Lower Upper
93 100
66 39.9 32.4 48.6
65 20.1 16.1 24.1

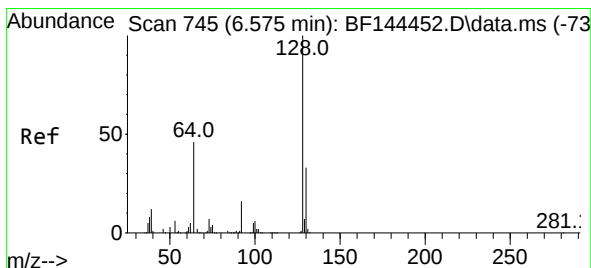
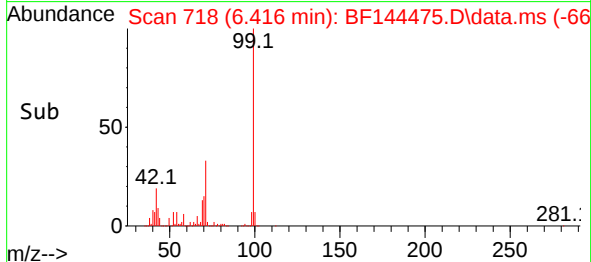
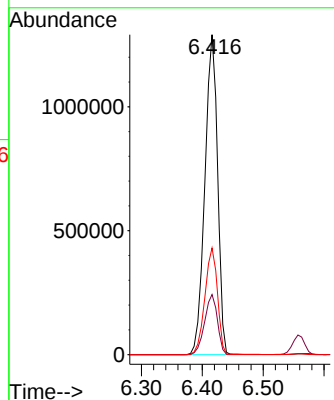
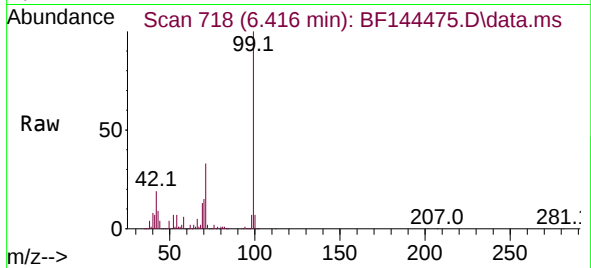




#7
Phenol-d6
Concen: 110.443 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

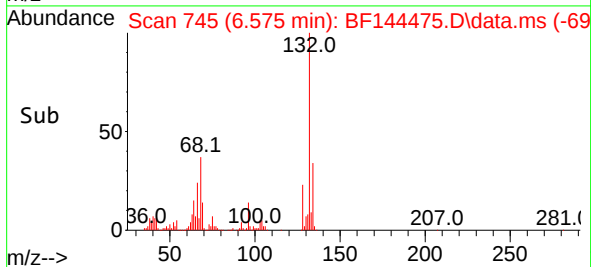
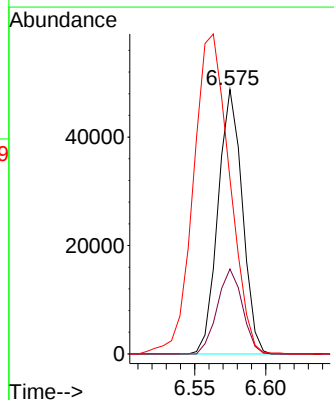
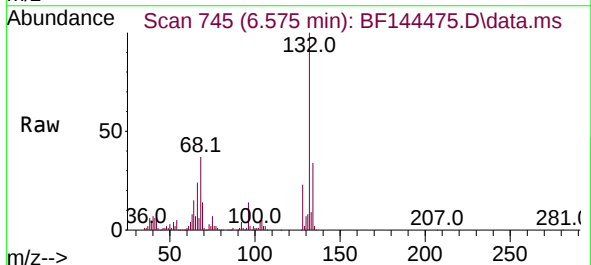
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

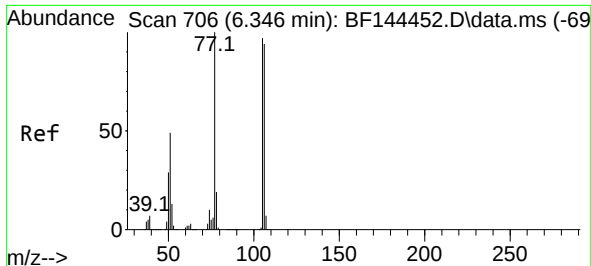
Tgt Ion: 99 Resp: 1865309
Ion Ratio Lower Upper
99 100
42 18.8 15.7 23.5
71 33.3 26.4 39.6



#8
2-Chlorophenol
Concen: 4.005 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion: 128 Resp: 58147
Ion Ratio Lower Upper
128 100
130 32.1 13.0 53.0
64 66.2 28.9 68.9

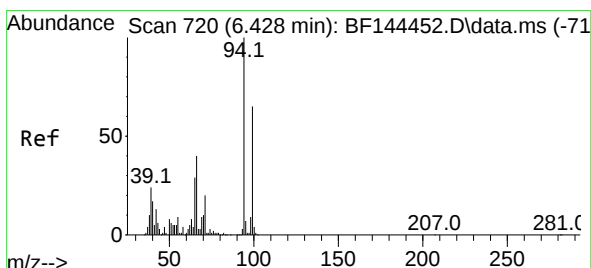
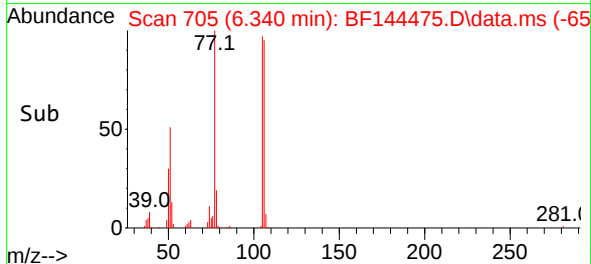
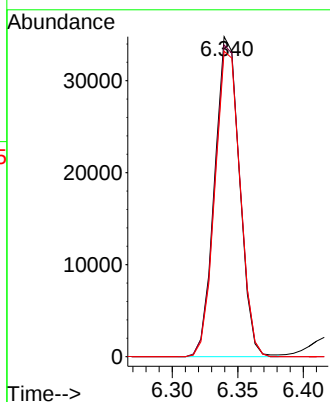
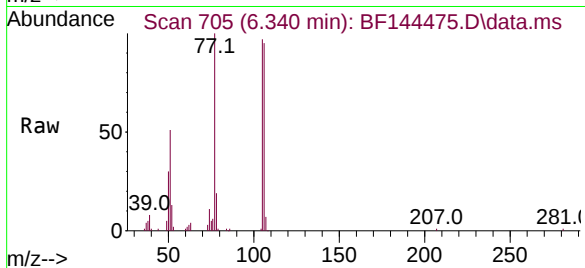




#9
Benzaldehyde
Concen: 3.473 ng
RT: 6.340 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

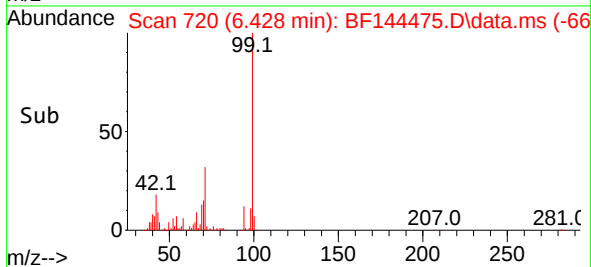
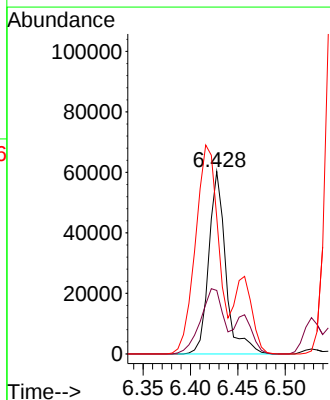
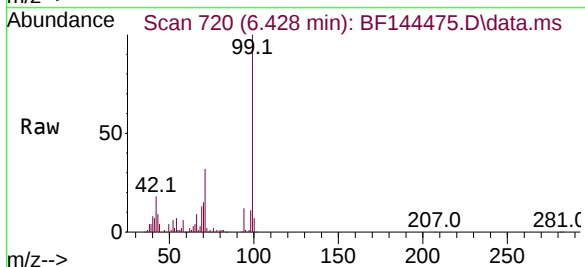
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

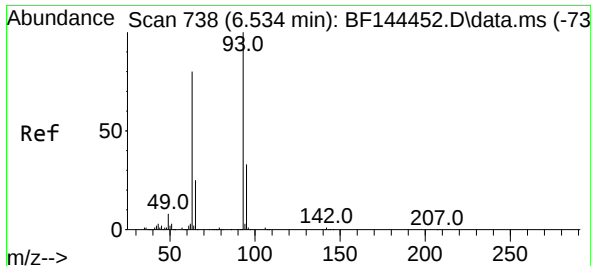
Tgt Ion: 77 Resp: 45915
Ion Ratio Lower Upper
77 100
105 97.4 77.0 117.0
106 95.4 74.1 114.1



#10
Phenol
Concen: 3.782 ng
RT: 6.428 min Scan# 720
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion: 94 Resp: 75378
Ion Ratio Lower Upper
94 100
65 34.8 9.1 49.1
66 74.7 20.3 60.3

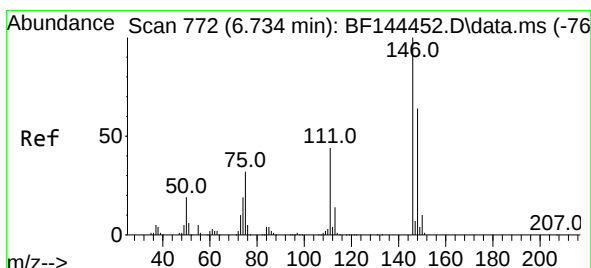
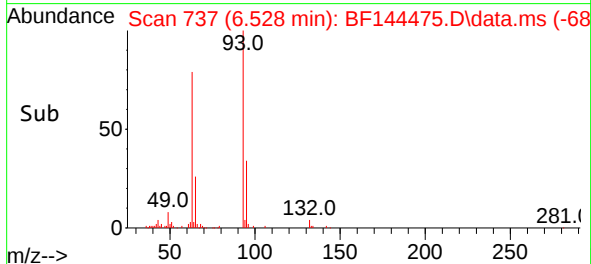
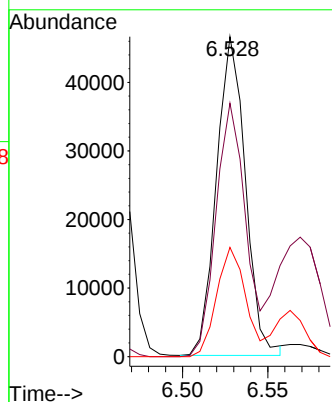
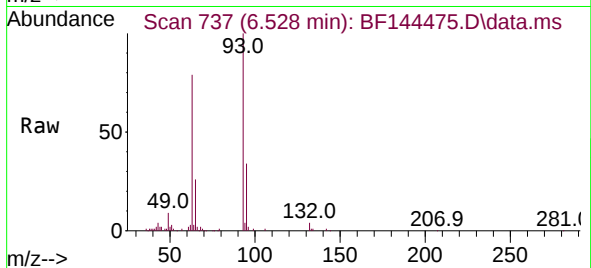




#11
bis(2-Chloroethyl)ether
Concen: 3.766 ng
RT: 6.528 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

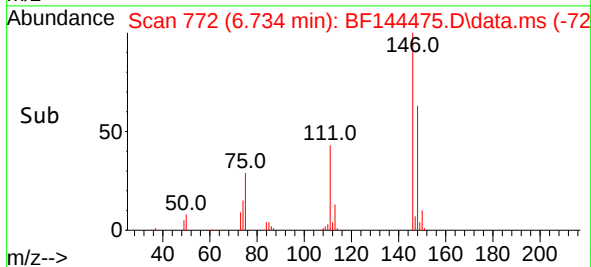
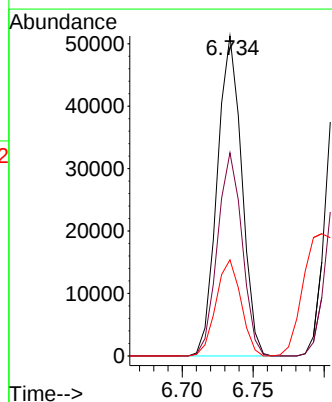
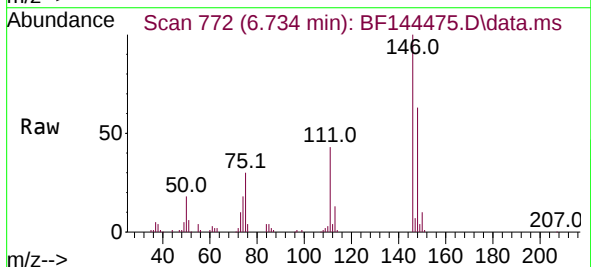
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

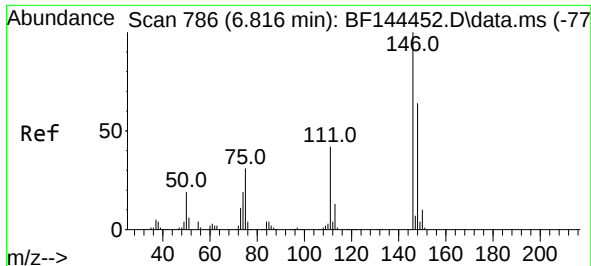
Tgt Ion: 93	Resp: 54863
Ion Ratio	Lower Upper
93	100
63	79.2 59.8 99.8
95	34.1 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 3.930 ng
RT: 6.734 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion: 146	Resp: 61646
Ion Ratio	Lower Upper
146	100
148	63.5 51.0 76.6
75	30.0 25.8 38.8

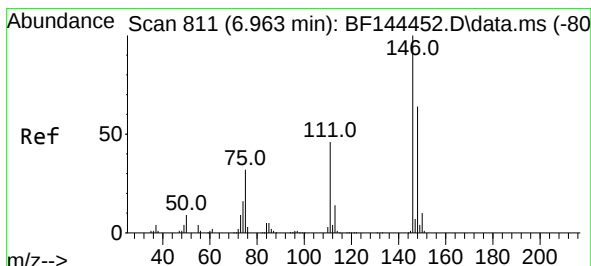
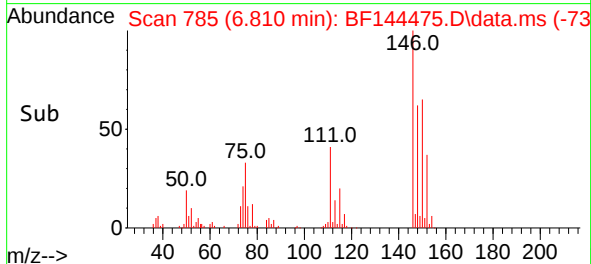
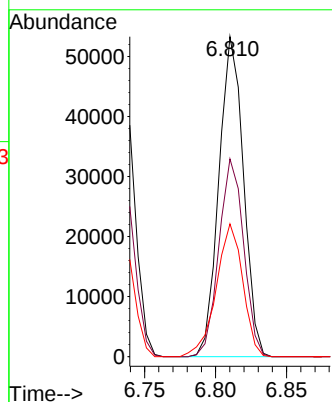
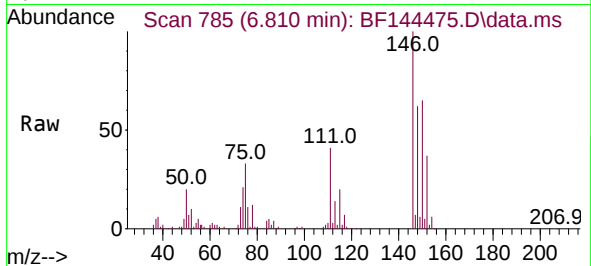




#13
1,4-Dichlorobenzene
Concen: 4.080 ng
RT: 6.810 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

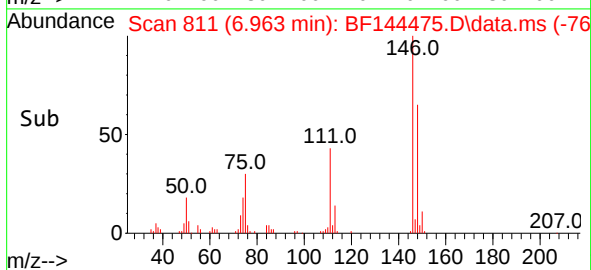
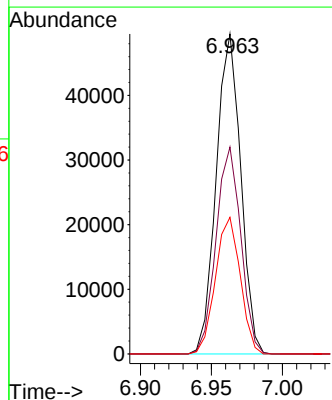
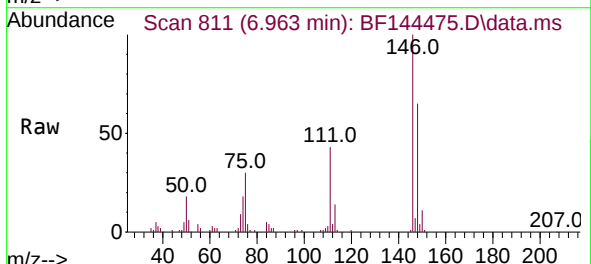
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

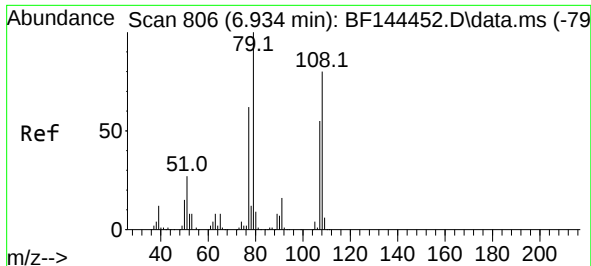
Tgt Ion:146 Resp: 64201
Ion Ratio Lower Upper
146 100
148 61.8 51.4 77.2
111 41.5 33.8 50.8



#14
1,2-Dichlorobenzene
Concen: 3.988 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:146 Resp: 59607
Ion Ratio Lower Upper
146 100
148 64.6 51.4 77.2
111 42.7 36.5 54.7





#15

Benzyl Alcohol

Concen: 3.560 ng

RT: 6.928 min Scan# 806

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

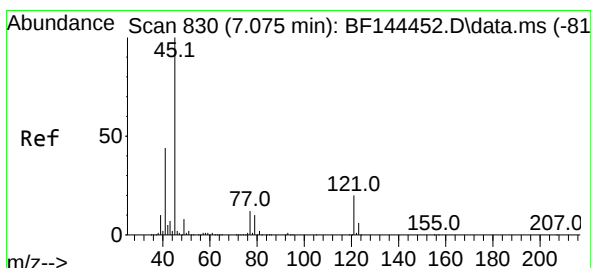
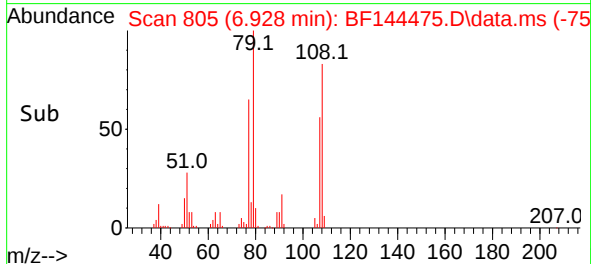
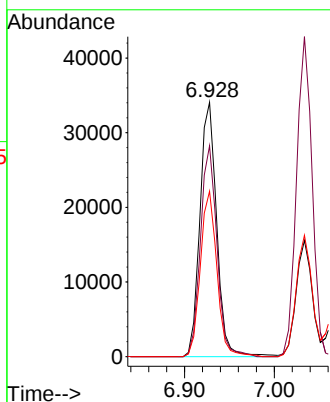
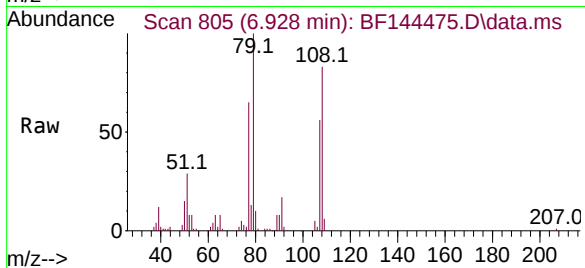
Tgt Ion: 79 Resp: 44323

Ion Ratio Lower Upper

79 100

108 82.9 63.7 95.5

77 65.0 49.3 73.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 3.520 ng

RT: 7.069 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

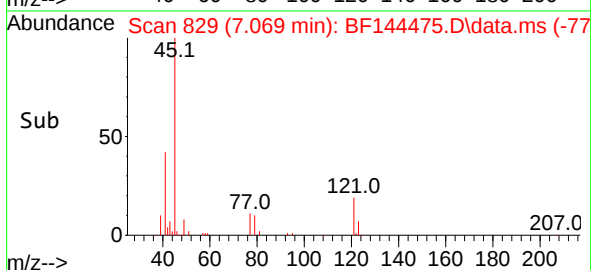
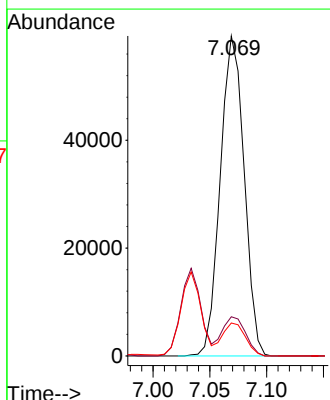
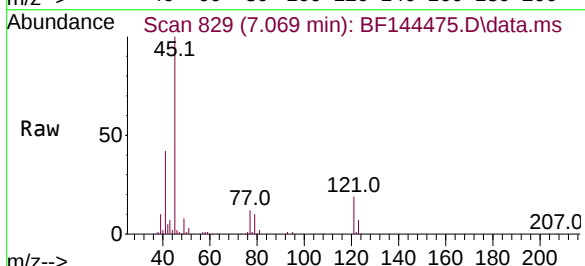
Tgt Ion: 45 Resp: 86540

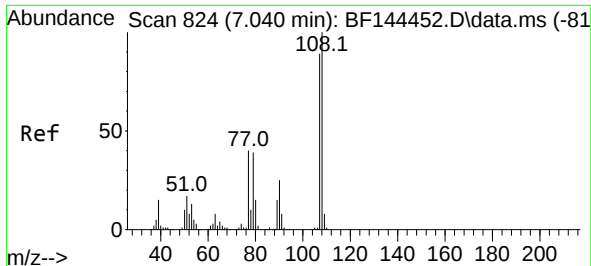
Ion Ratio Lower Upper

45 100

77 12.2 0.0 32.6

79 10.3 0.0 29.9

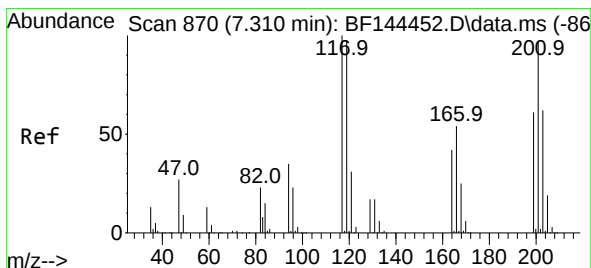
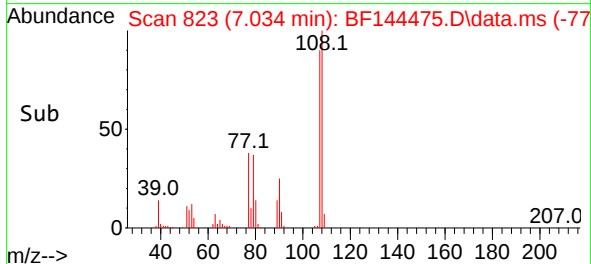
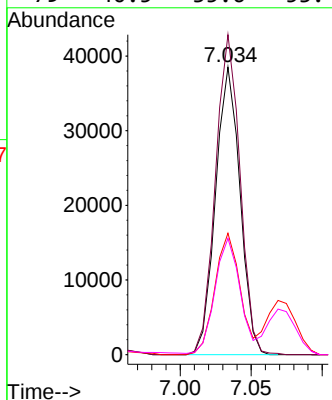
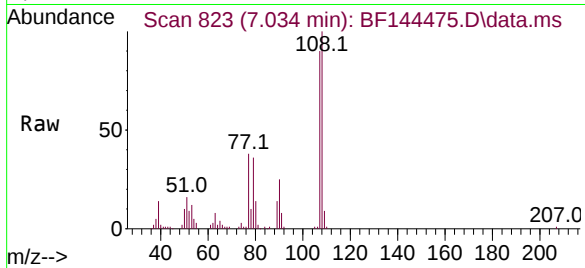




#17
2-Methylphenol
Concen: 3.774 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

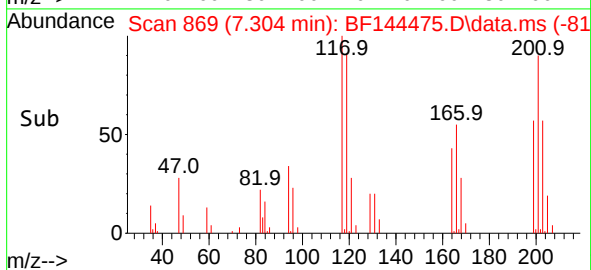
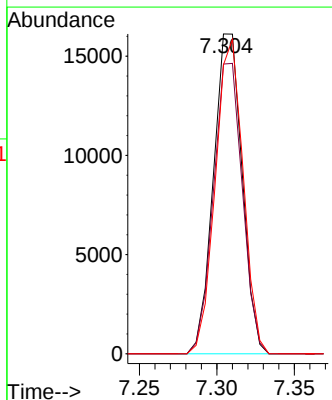
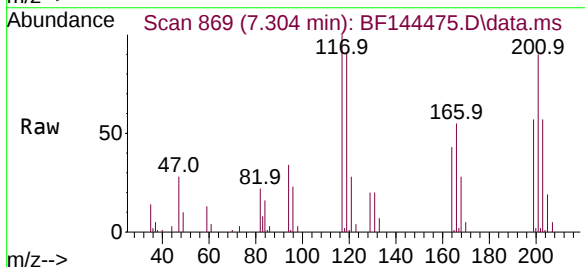
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

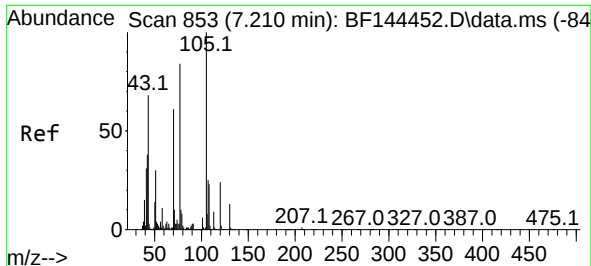
Tgt Ion:	107	Resp:	46188
Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.9	134.9
77	42.3	35.7	53.5
79	40.5	35.6	53.4



#18
Hexachloroethane
Concen: 3.810 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:	117	Resp:	20833
Ion	Ratio	Lower	Upper
117	100		
119	90.6	77.5	116.3
201	90.3	77.3	115.9

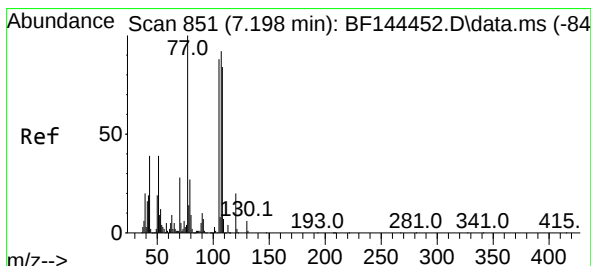
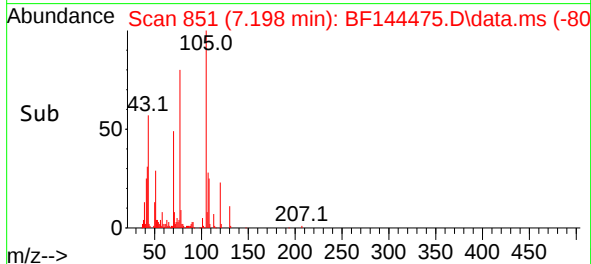
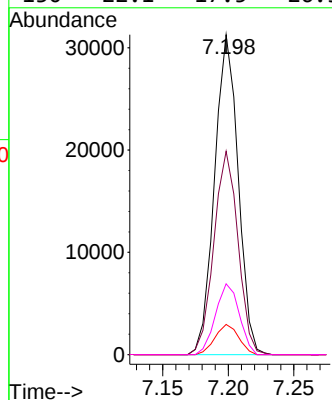
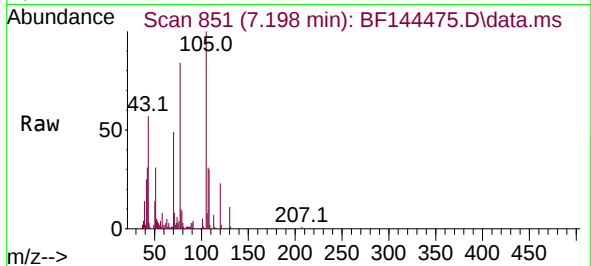




#19
n-Nitroso-di-n-propylamine
Concen: 3.673 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

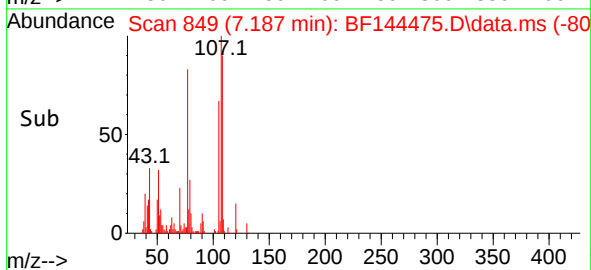
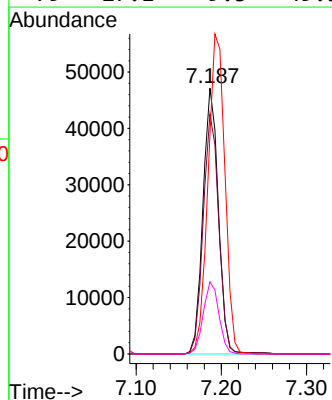
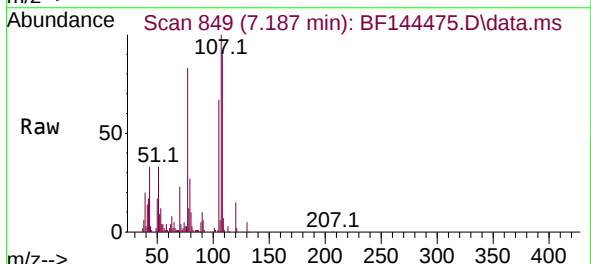
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

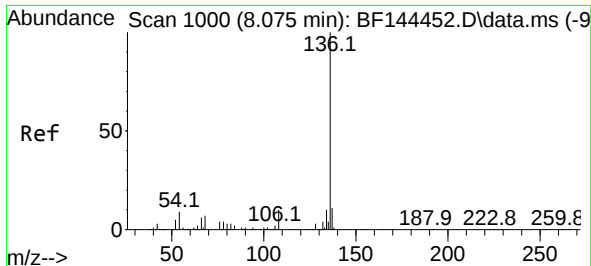
Tgt Ion:	70	Resp:	39181
Ion	Ratio	Lower	Upper
70	100		
42	63.5	49.4	74.0
101	9.4	7.8	11.6
130	22.1	17.5	26.3



#20
3+4-Methylphenols
Concen: 3.939 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:	107	Resp:	59234
Ion	Ratio	Lower	Upper
107	100		
108	90.2	71.5	111.5
77	82.7	88.5	128.5#
79	27.1	9.3	49.3

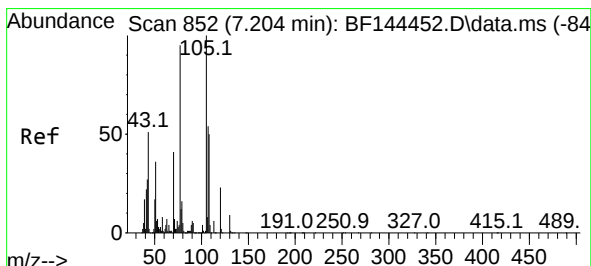
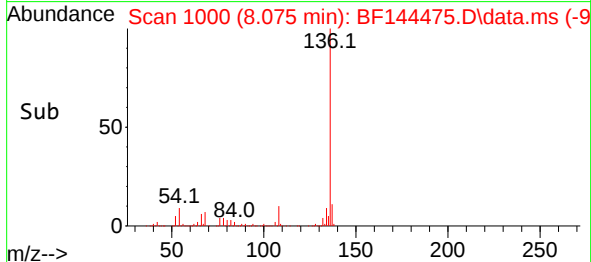
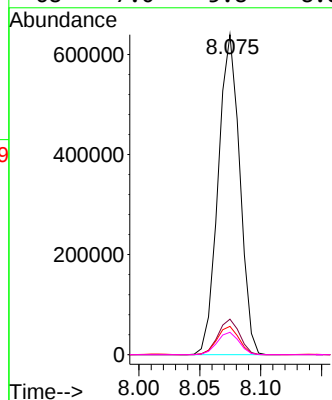
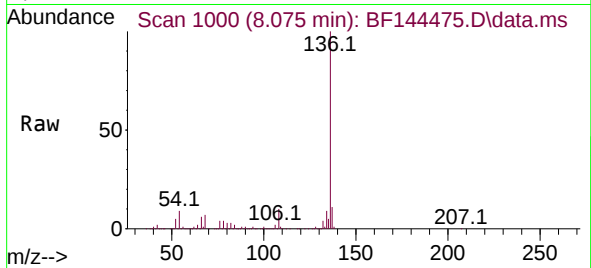




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

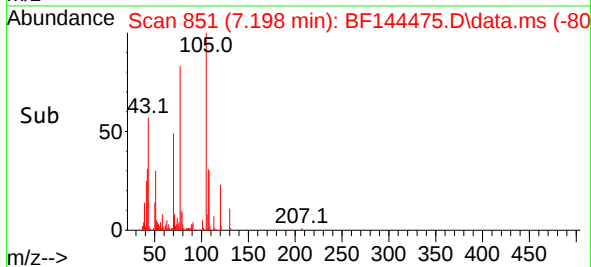
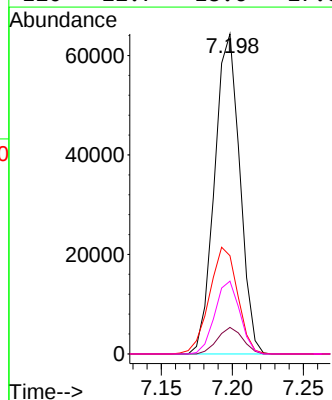
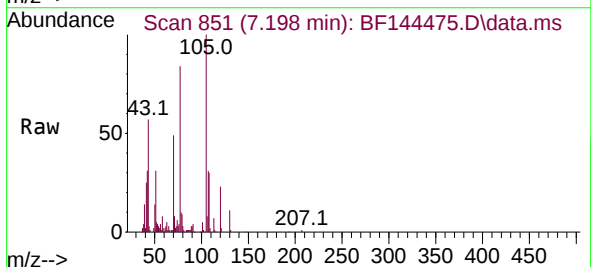
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

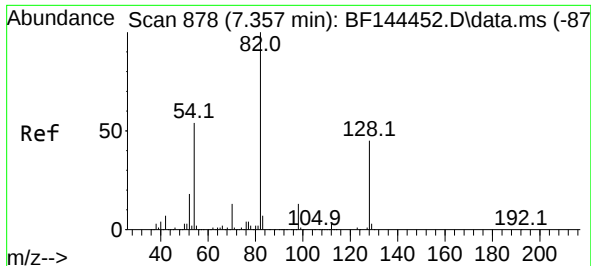
Tgt Ion:136	Resp: 788550
Ion Ratio	Lower Upper
136 100	
137 11.1	8.8 13.2
54 8.8	7.5 11.3
68 7.0	5.8 8.8



#22
Acetophenone
Concen: 4.070 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:105	Resp: 79599
Ion Ratio	Lower Upper
105 100	
71 8.3	5.6 8.4
51 30.7	28.6 42.8
120 22.7	18.6 27.8





#23

Nitrobenzene-d5

Concen: 93.564 ng

RT: 7.357 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

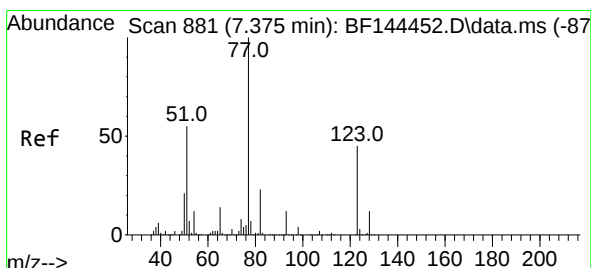
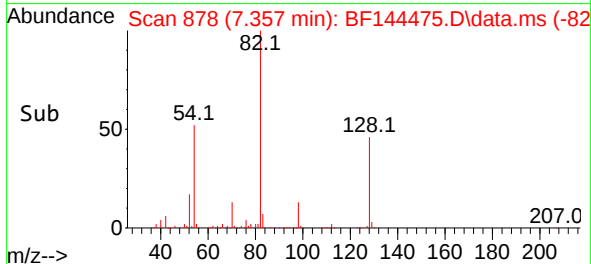
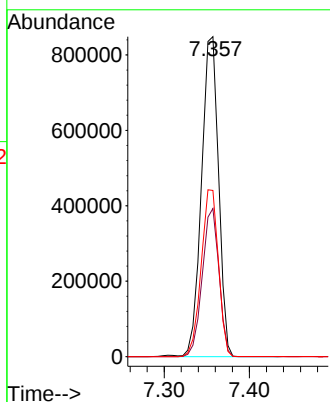
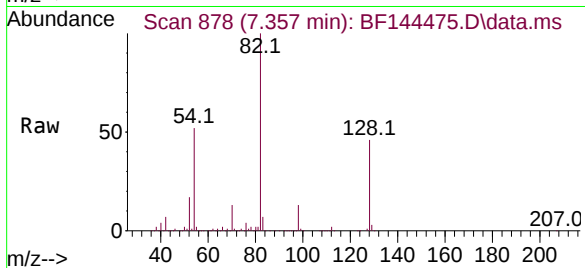
Tgt Ion: 82 Resp: 1179015

Ion Ratio Lower Upper

82 100

128 46.3 35.5 53.3

54 51.9 43.3 64.9



#24

Nitrobenzene

Concen: 4.467 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

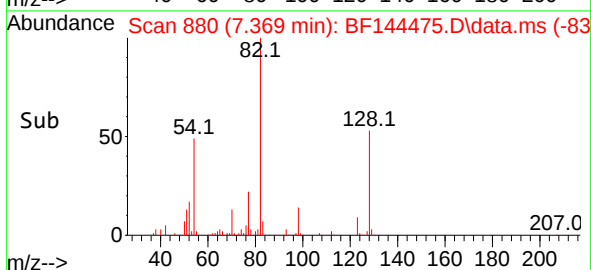
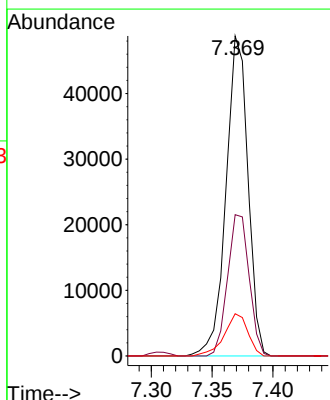
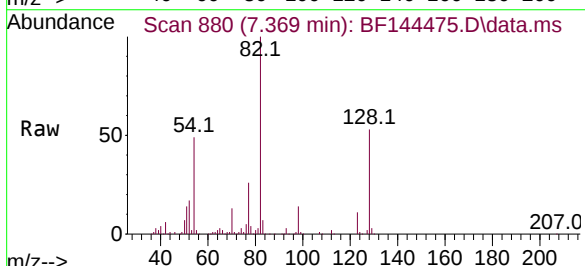
Tgt Ion: 77 Resp: 61069

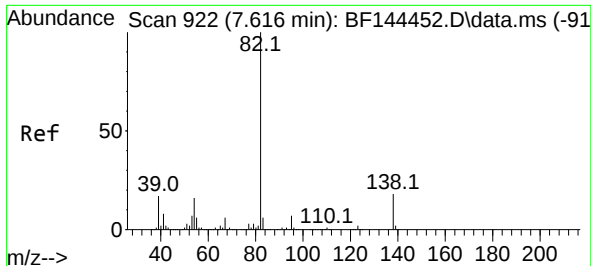
Ion Ratio Lower Upper

77 100

123 44.1 36.2 54.2

65 13.2 11.0 16.6

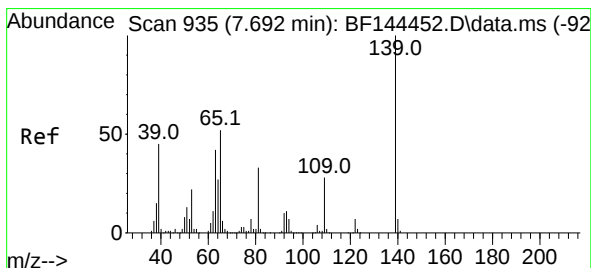
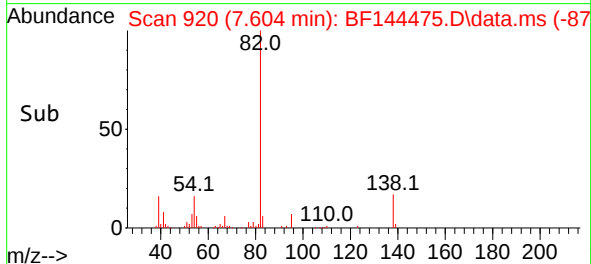
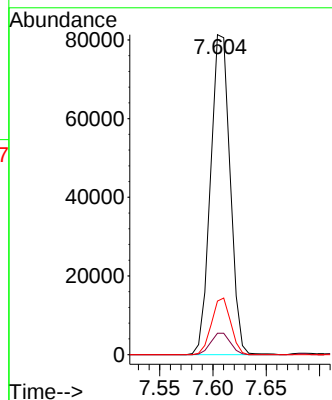
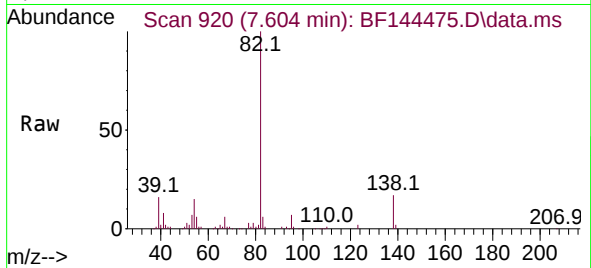




#25
Isophorone
Concen: 3.649 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

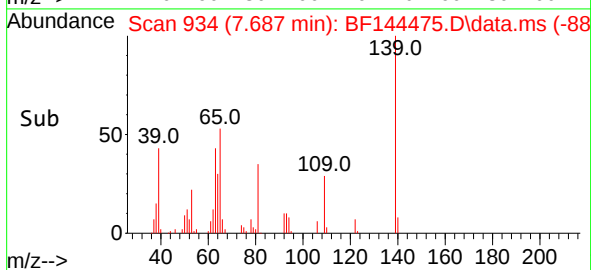
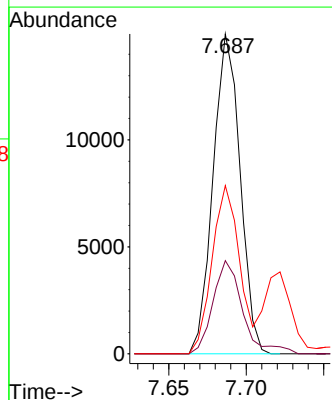
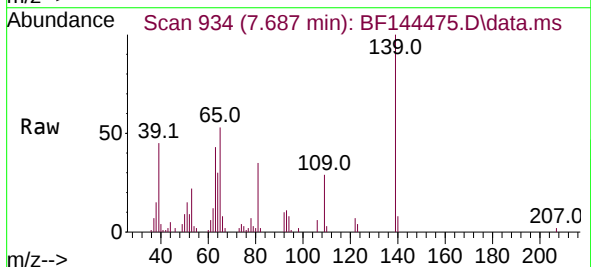
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

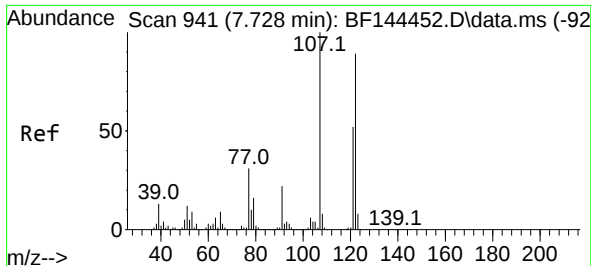
Tgt Ion: 82 Resp: 103764
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.2
138 16.7 14.4 21.6



#26
2-Nitrophenol
Concen: 6.786 ng
RT: 7.687 min Scan# 934
Delta R.T. -0.005 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:139 Resp: 18121
Ion Ratio Lower Upper
139 100
109 29.1 22.1 33.1
65 52.6 41.5 62.3





#27

2,4-Dimethylphenol

Concen: 4.106 ng

RT: 7.722 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

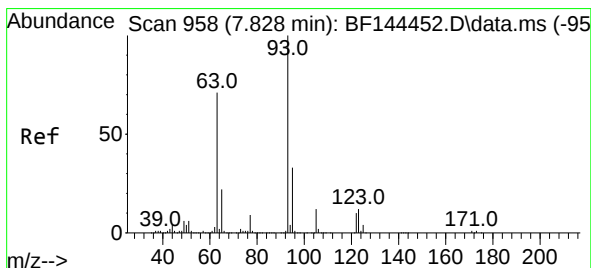
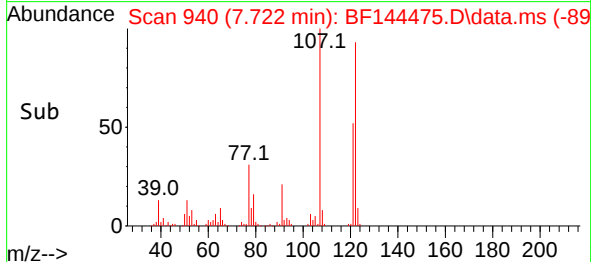
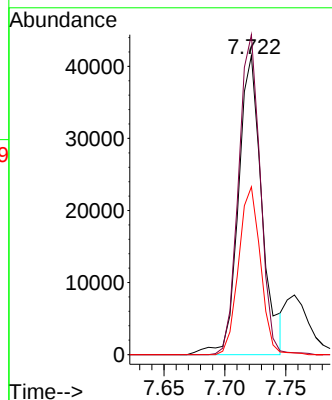
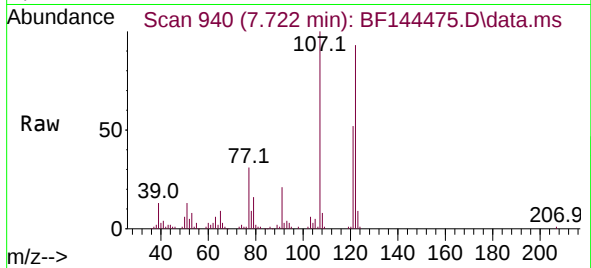
Tgt Ion:122 Resp: 55710

Ion Ratio Lower Upper

122 100

107 107.0 90.0 135.0

121 56.1 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 3.765 ng

RT: 7.822 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

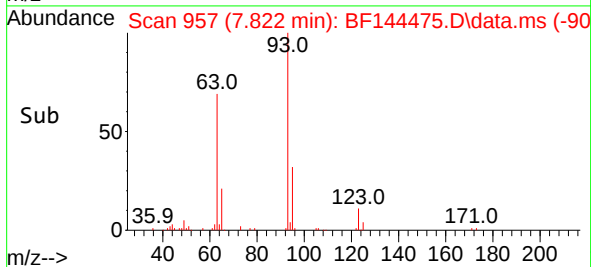
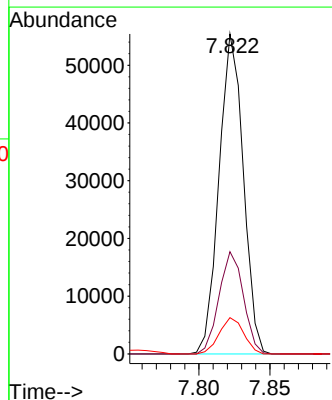
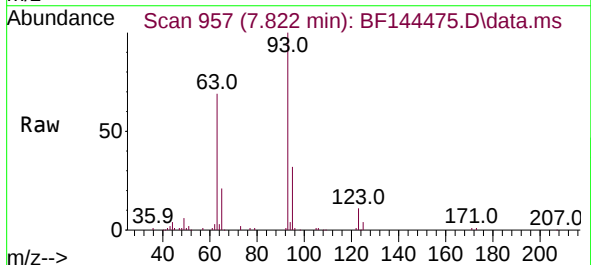
Tgt Ion: 93 Resp: 65980

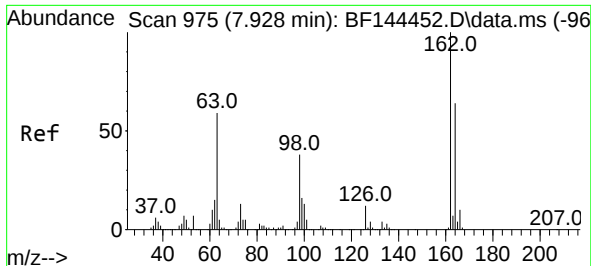
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 11.3 10.2 15.4

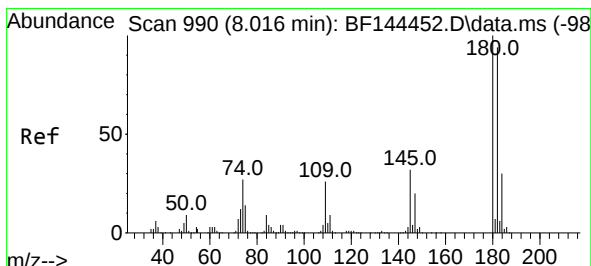
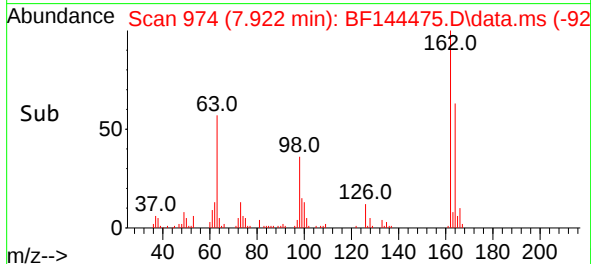
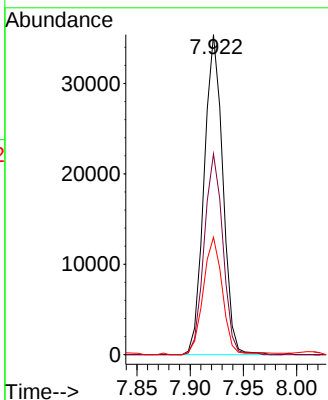
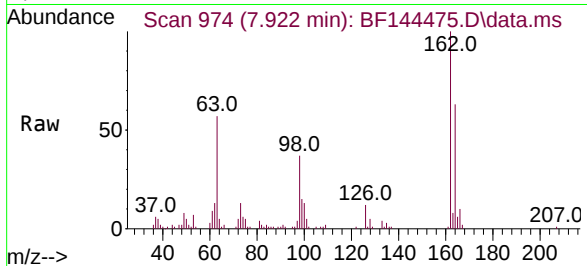




#29
2,4-Dichlorophenol
Concen: 3.837 ng
RT: 7.922 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

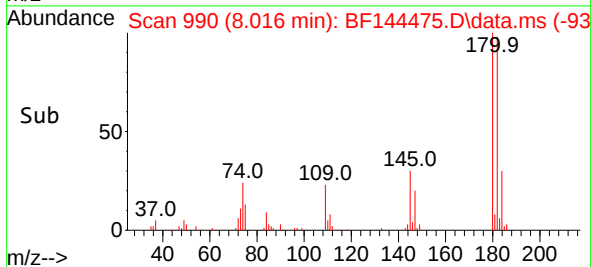
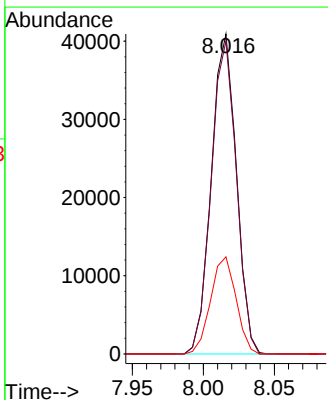
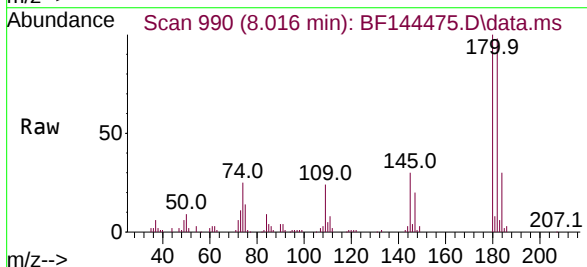
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

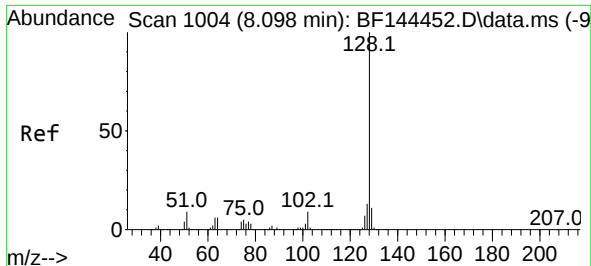
Tgt Ion:162	Resp:	43266
Ion Ratio	Lower	Upper
162	100	
164	62.7	44.2 84.2
98	36.7	17.8 57.8



#30
1,2,4-Trichlorobenzene
Concen: 4.125 ng
RT: 8.016 min Scan# 990
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:180	Resp:	50438
Ion Ratio	Lower	Upper
180	100	
182	97.8	75.2 112.8
145	30.3	25.3 37.9

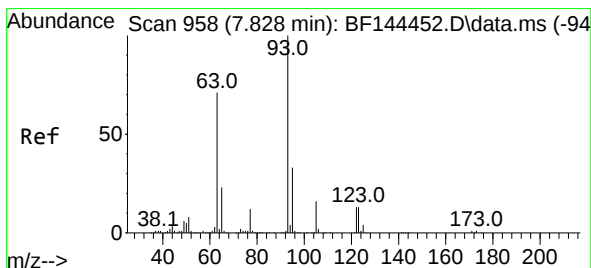
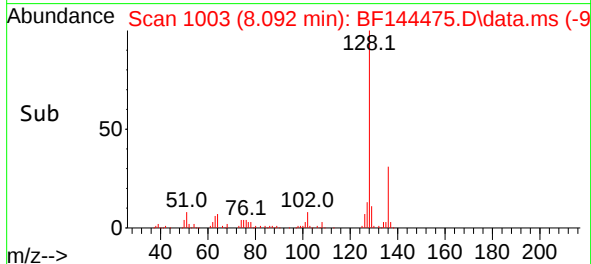
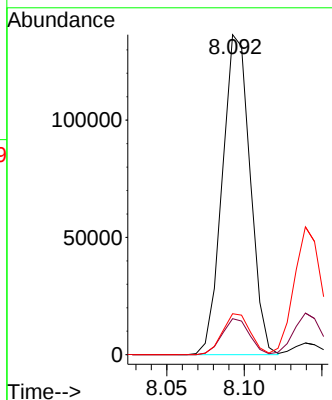
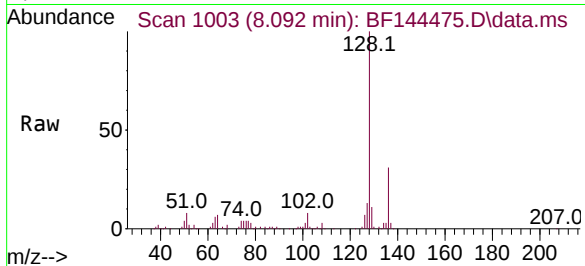




#31
Naphthalene
Concen: 4.030 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

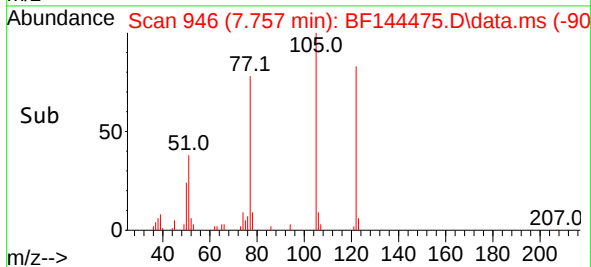
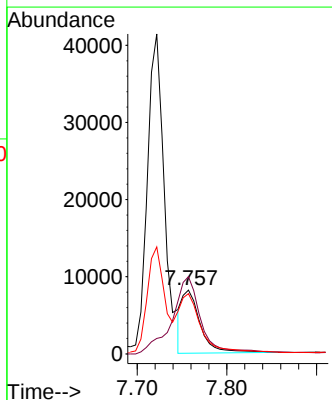
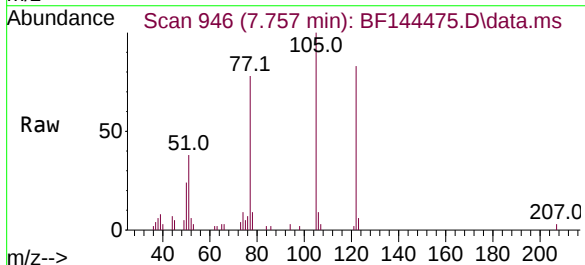
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

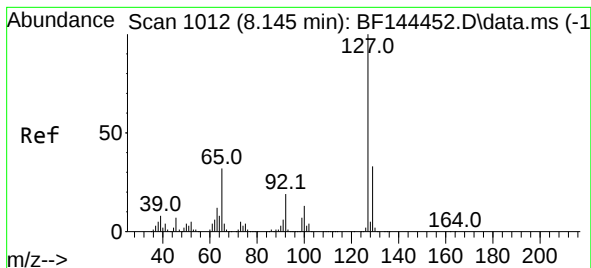
Tgt Ion:128 Resp: 171038
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 12.8 10.6 16.0



#32
Benzoic acid
Concen: 7.775 ng
RT: 7.757 min Scan# 946
Delta R.T. -0.071 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:122 Resp: 11708
Ion Ratio Lower Upper
122 100
105 120.9 103.2 143.2
77 94.3 75.1 115.1





#33

4-Chloroaniline

Concen: 3.879 ng

RT: 8.139 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:127 Resp: 66177

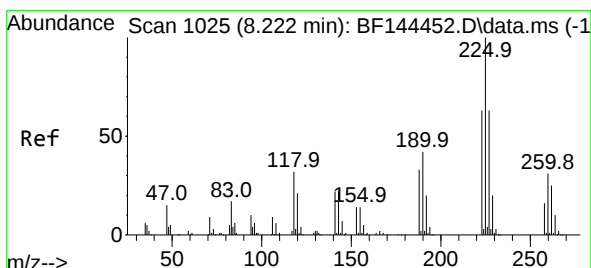
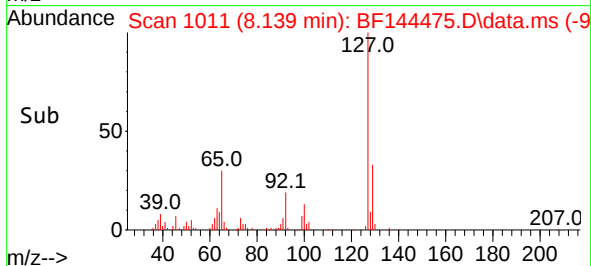
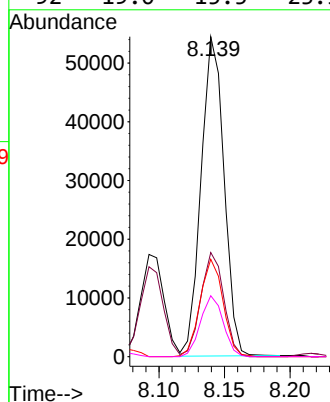
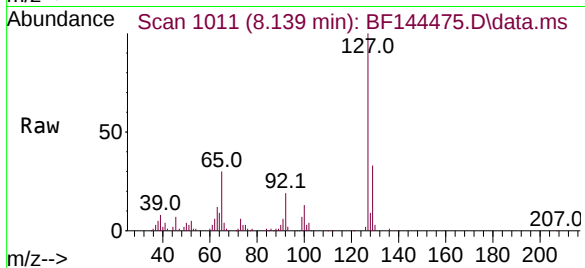
Ion Ratio Lower Upper

127 100

129 32.5 26.2 39.4

65 30.5 25.8 38.8

92 19.0 15.5 23.3



#34

Hexachlorobutadiene

Concen: 3.811 ng

RT: 8.216 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

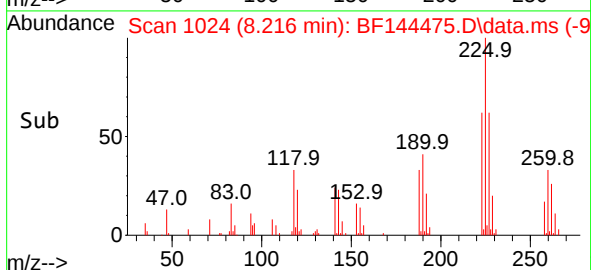
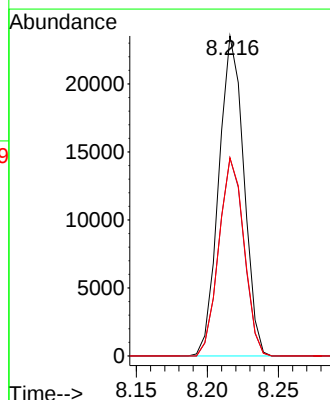
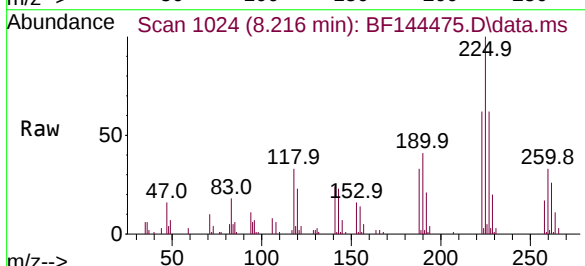
Tgt Ion:225 Resp: 28819

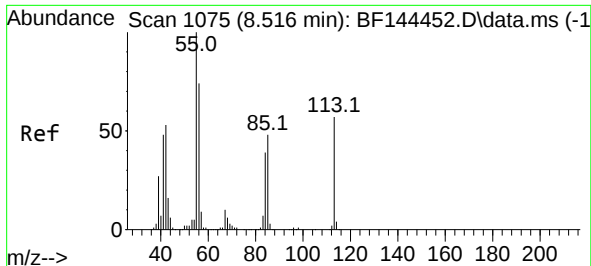
Ion Ratio Lower Upper

225 100

223 61.9 50.1 75.1

227 61.8 50.3 75.5

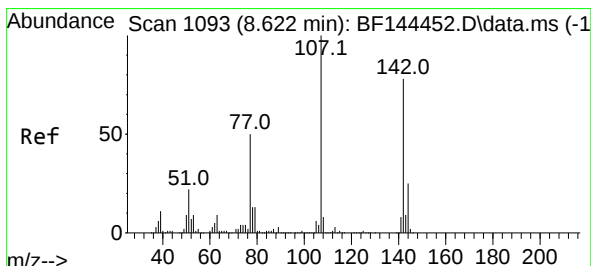
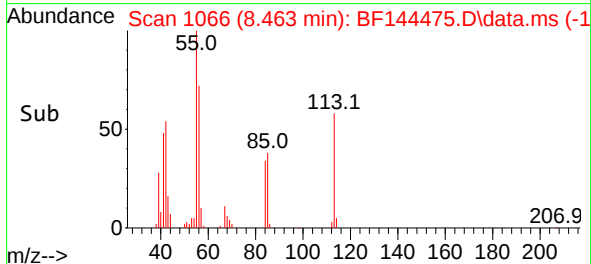
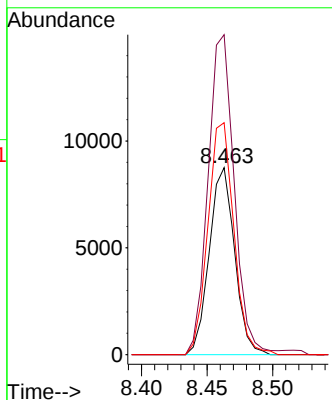
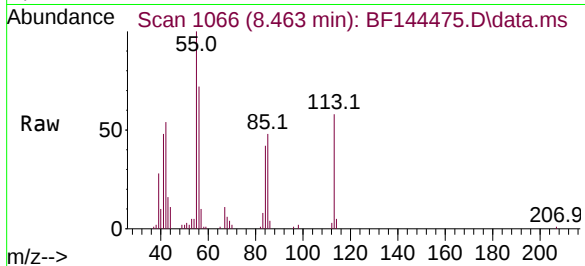




#35
 Caprolactam
 Concen: 3.173 ng
 RT: 8.463 min Scan# 1066
 Delta R.T. -0.053 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

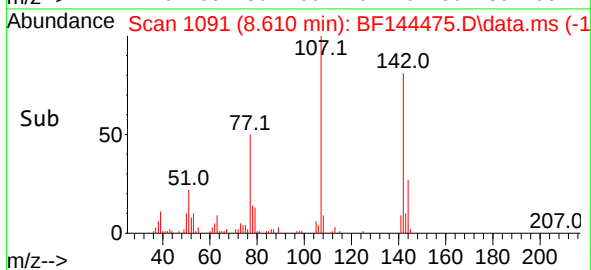
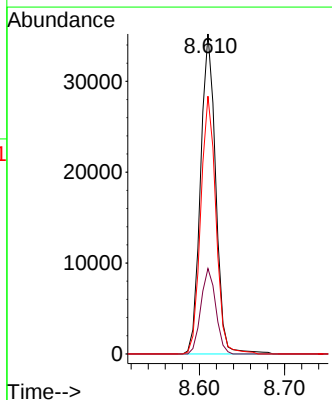
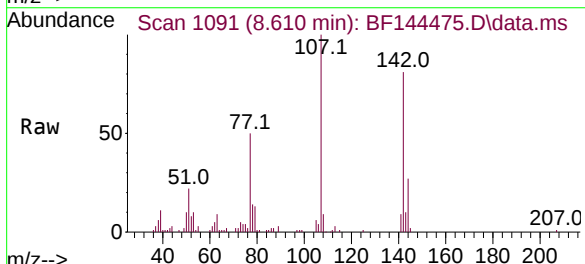
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

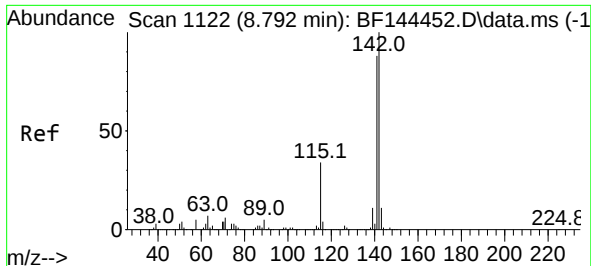
Tgt Ion:113 Resp: 11813
 Ion Ratio Lower Upper
 113 100
 55 171.2 154.5 194.5
 56 124.1 109.8 149.8



#36
 4-Chloro-3-methylphenol
 Concen: 3.551 ng
 RT: 8.610 min Scan# 1091
 Delta R.T. -0.012 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

Tgt Ion:107 Resp: 43461
 Ion Ratio Lower Upper
 107 100
 144 26.7 20.4 30.6
 142 80.5 62.4 93.6





#37

2-Methylnaphthalene

Concen: 3.544 ng

RT: 8.786 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

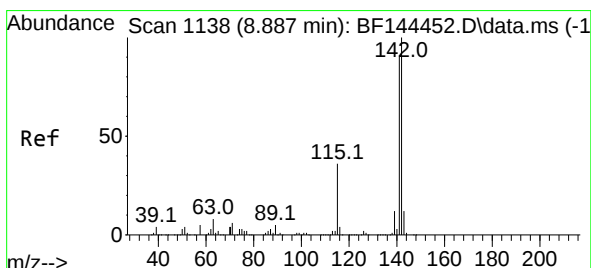
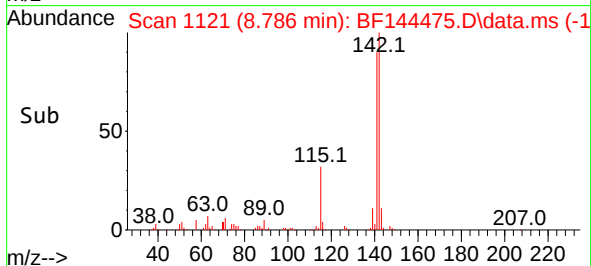
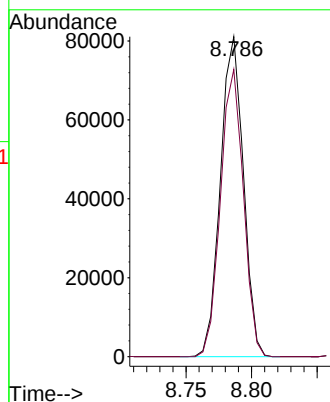
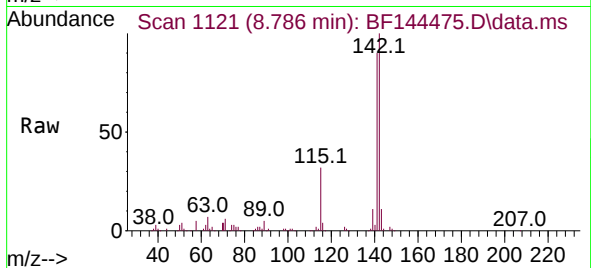
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:142 Resp: 98952

Ion Ratio Lower Upper

142 100

141 89.7 70.0 105.0



#38

1-Methylnaphthalene

Concen: 3.859 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF144475.D

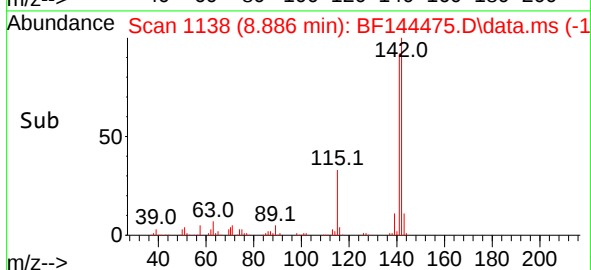
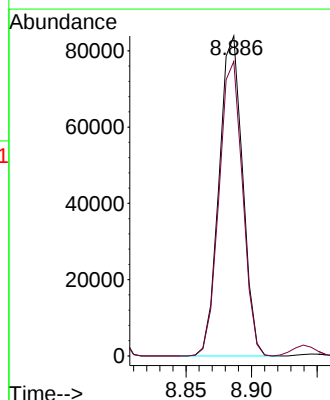
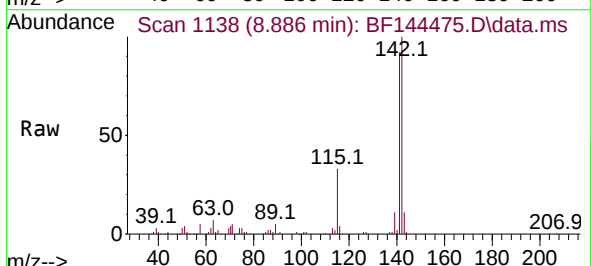
Acq: 15 Dec 2025 15:39

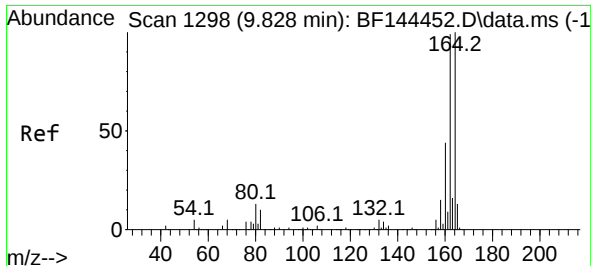
Tgt Ion:142 Resp: 104930

Ion Ratio Lower Upper

142 100

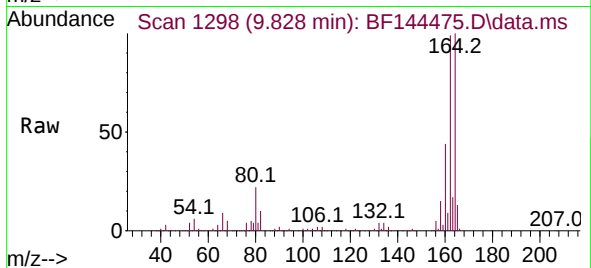
141 92.0 72.6 109.0



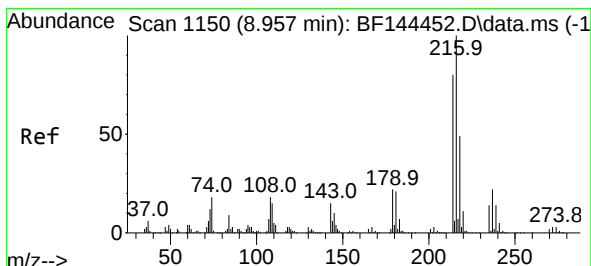
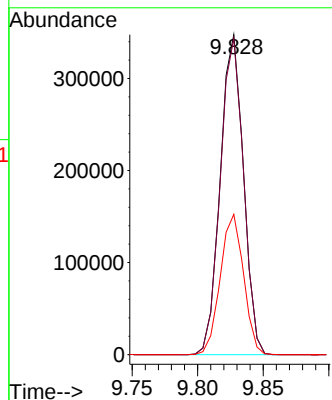
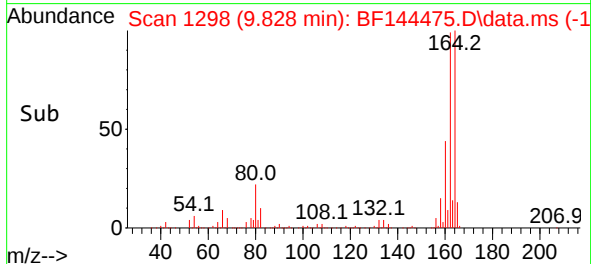


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

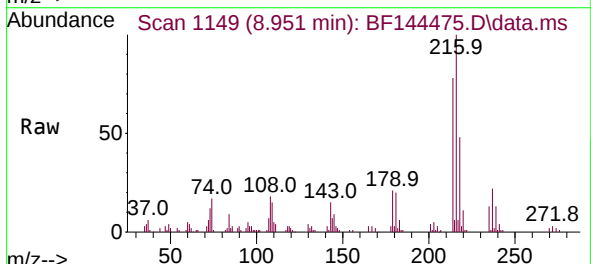
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



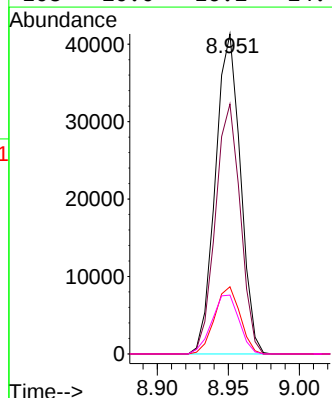
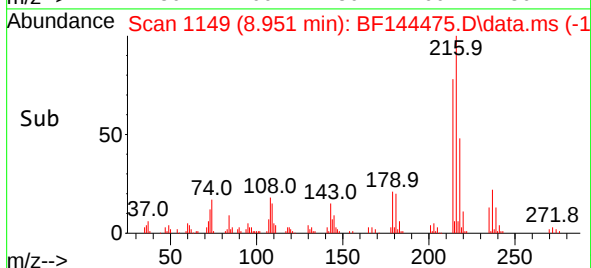
Tgt Ion:164 Resp: 428443
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 43.8 35.3 52.9

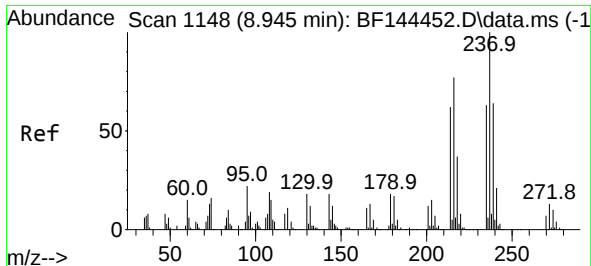


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.164 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39



Tgt Ion:216 Resp: 50768
Ion Ratio Lower Upper
216 100
214 77.5 63.8 95.6
179 21.3 17.7 26.5
108 20.0 16.2 24.4

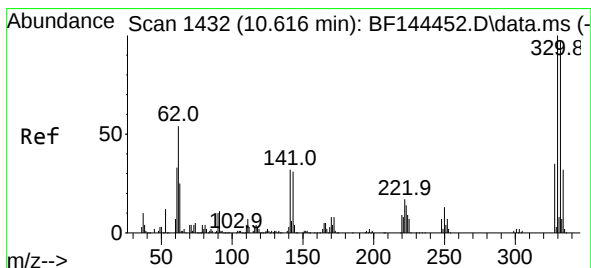
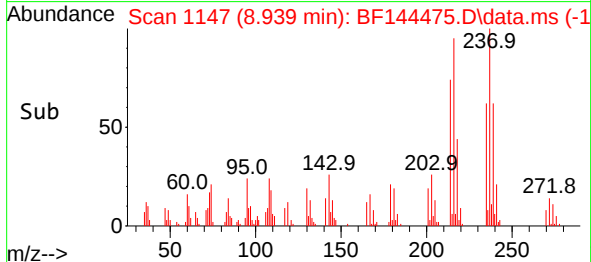
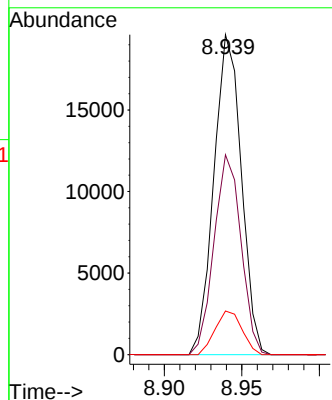
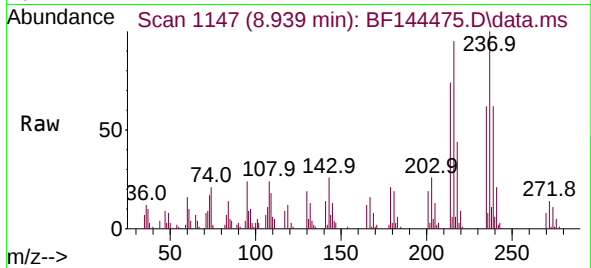




#41
Hexachlorocyclopentadiene
Concen: 3.348 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

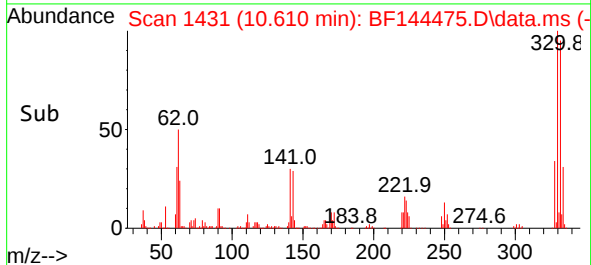
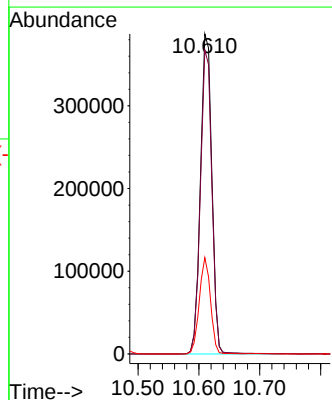
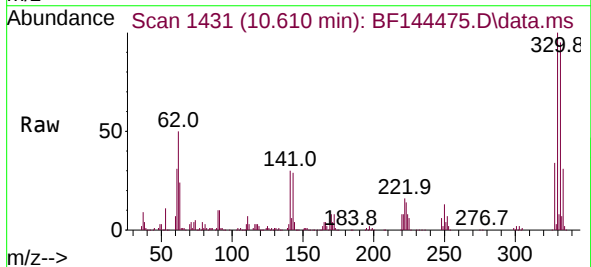
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

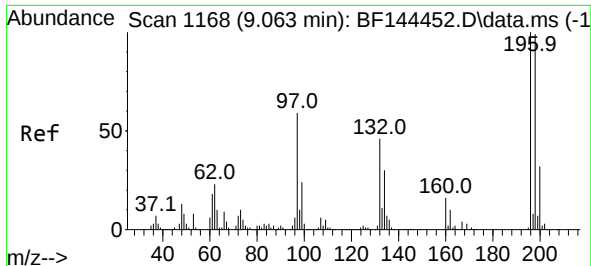
Tgt Ion:237	Resp:	24157
Ion Ratio	Lower	Upper
237	100	
235	62.4	43.2 83.2
272	13.6	0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 129.958 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:330	Resp:	503398
Ion Ratio	Lower	Upper
330	100	
332	95.2	77.5 116.3
141	29.5	26.2 39.2

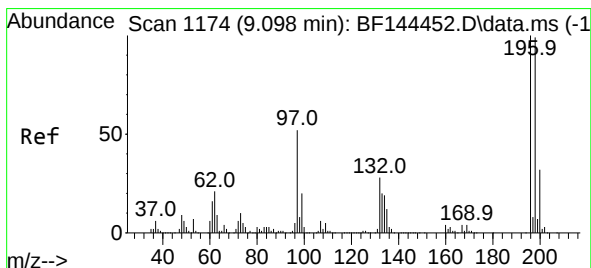
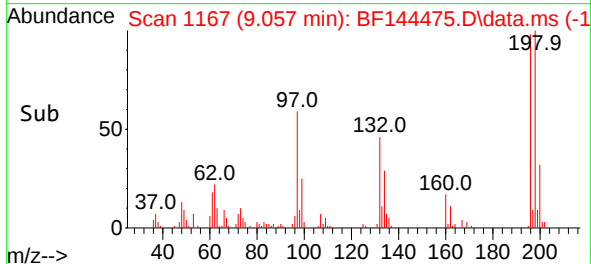
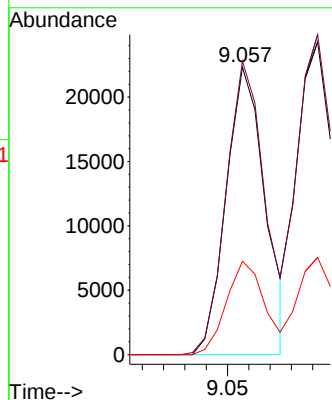
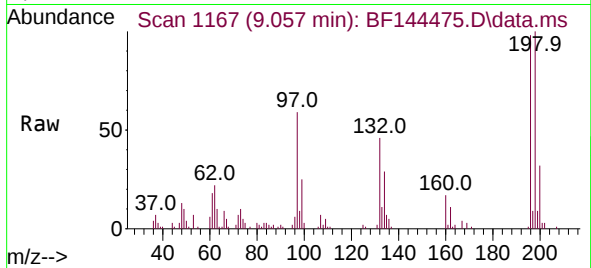




#43
2,4,6-Trichlorophenol
Concen: 3.653 ng
RT: 9.057 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

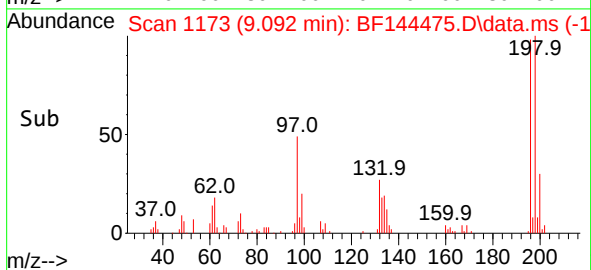
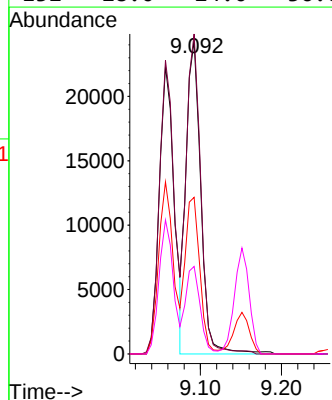
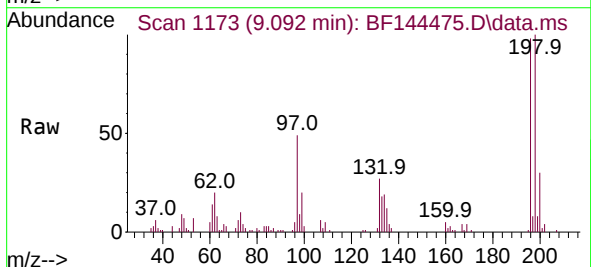
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

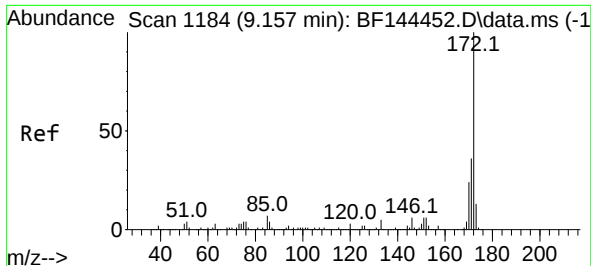
Tgt Ion:196 Resp: 28283
Ion Ratio Lower Upper
196 100
198 102.1 79.0 118.4
200 32.5 25.3 37.9



#44
2,4,5-Trichlorophenol
Concen: 3.778 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:196 Resp: 30708
Ion Ratio Lower Upper
196 100
198 102.3 79.5 119.3
97 50.0 42.2 63.2
132 28.0 24.0 36.0

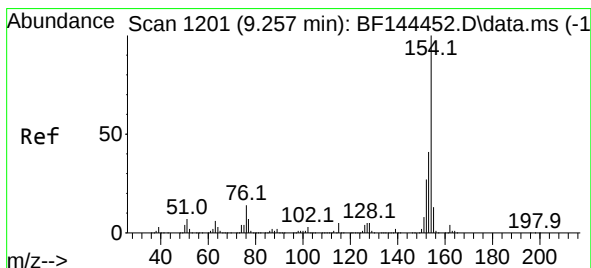
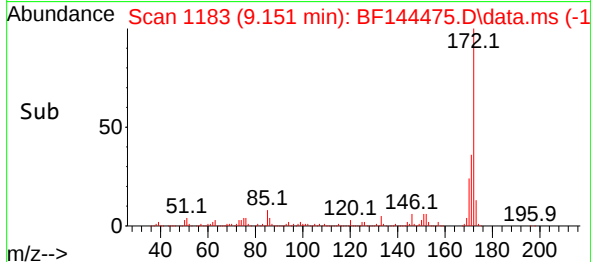
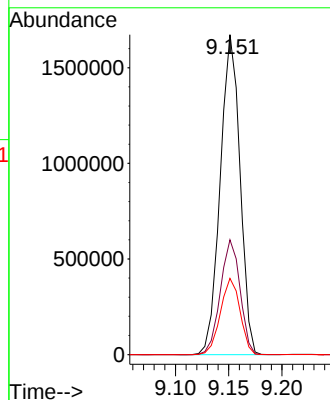
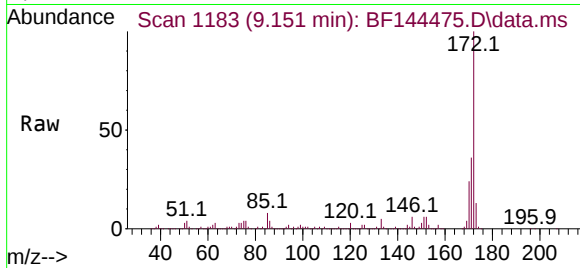




#45
2-Fluorobiphenyl
Concen: 77.387 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

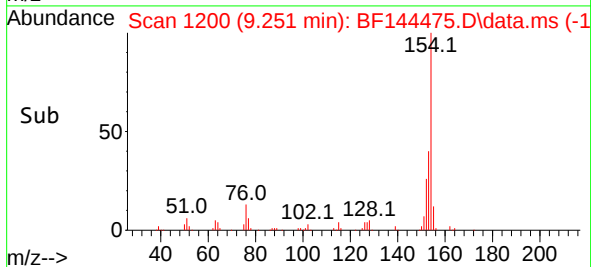
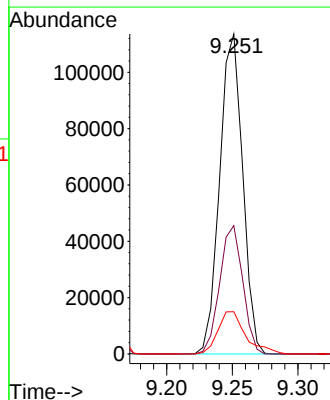
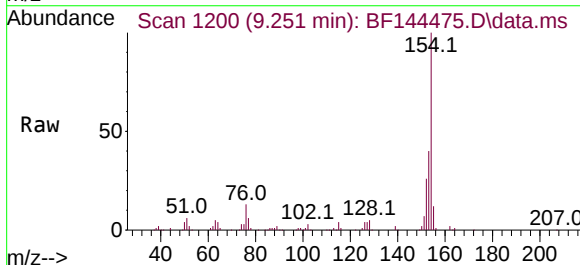
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

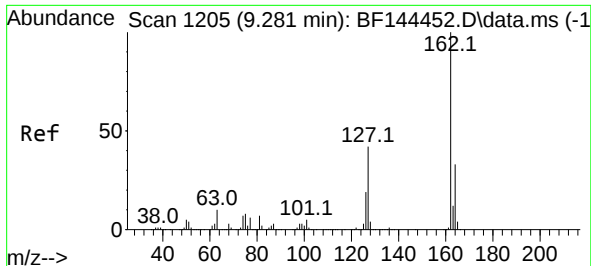
Tgt Ion:172 Resp: 2161283
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.8 19.3 28.9



#46
1,1'-Biphenyl
Concen: 4.148 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:154 Resp: 138878
Ion Ratio Lower Upper
154 100
153 40.1 21.0 61.0
76 13.2 0.0 33.8





#47

2-Chloronaphthalene

Concen: 3.969 ng

RT: 9.275 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

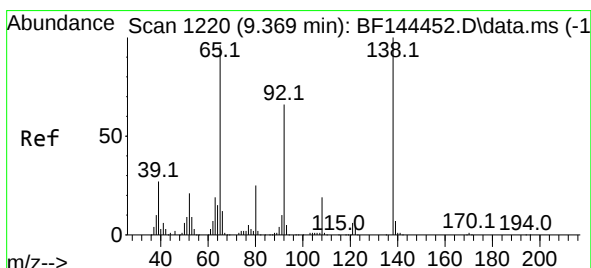
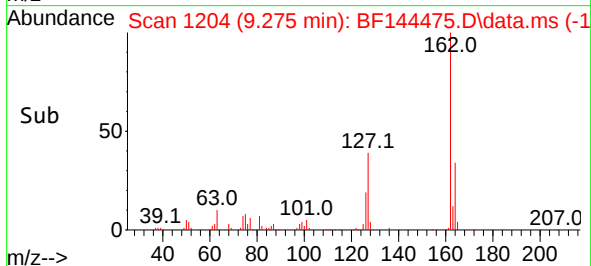
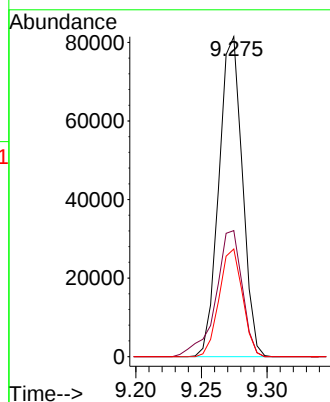
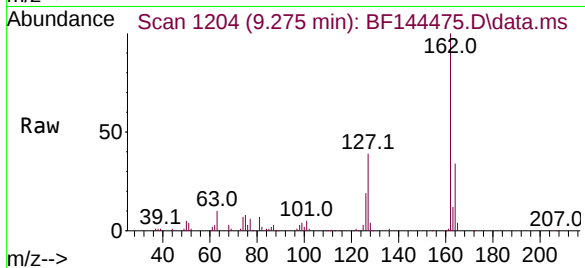
Tgt Ion:162 Resp: 101460

Ion Ratio Lower Upper

162 100

127 39.4 33.6 50.4

164 33.6 26.6 39.8



#48

2-Nitroaniline

Concen: 6.338 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

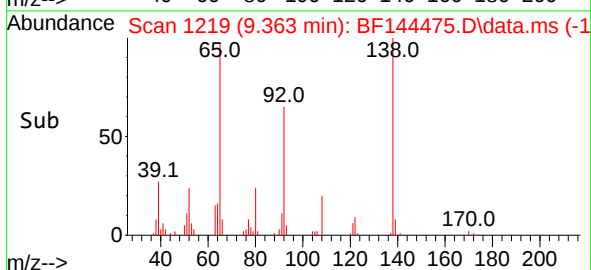
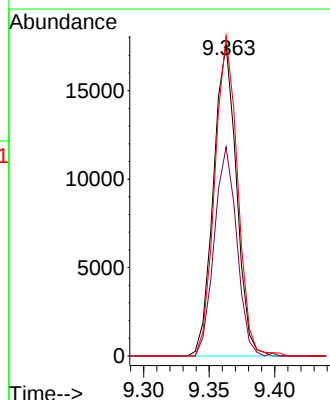
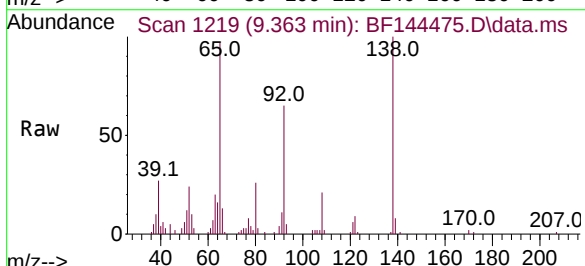
Tgt Ion: 65 Resp: 21458

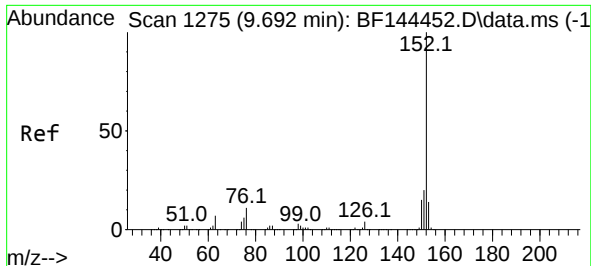
Ion Ratio Lower Upper

65 100

92 67.2 55.0 82.4

138 102.9 83.4 125.2





#49

Acenaphthylene

Concen: 3.925 ng

RT: 9.686 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

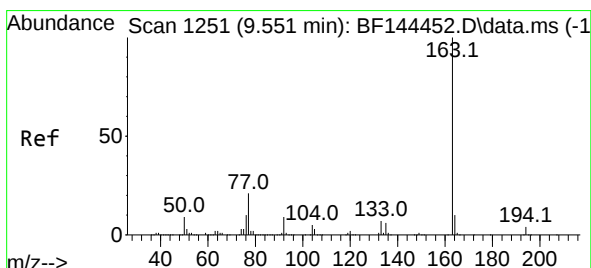
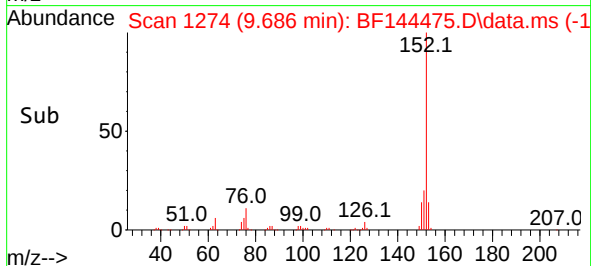
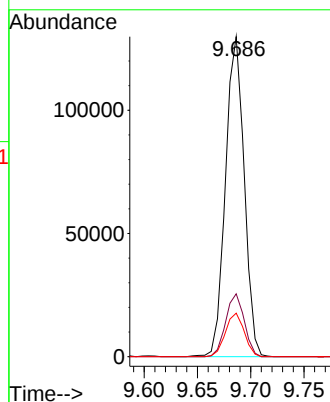
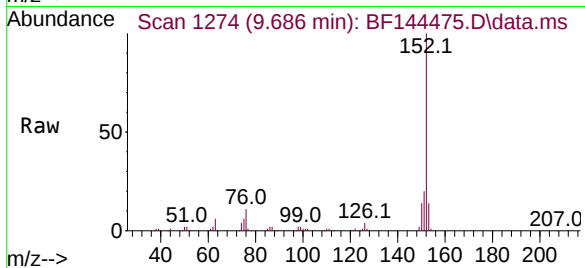
Tgt Ion:152 Resp: 158940

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 13.6 11.4 17.0



#50

Dimethylphthalate

Concen: 3.841 ng

RT: 9.545 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

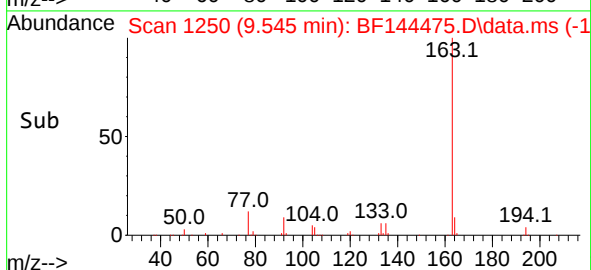
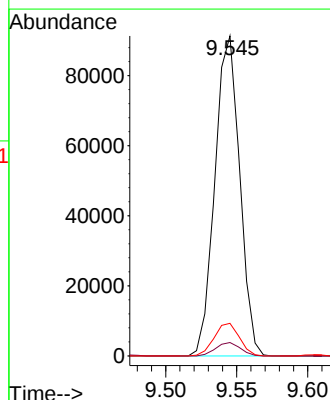
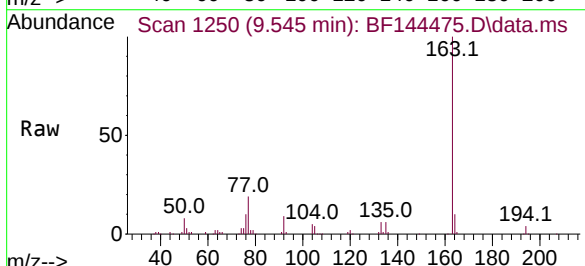
Tgt Ion:163 Resp: 111151

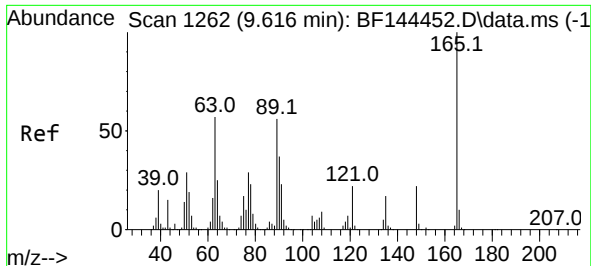
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.2 8.3 12.5

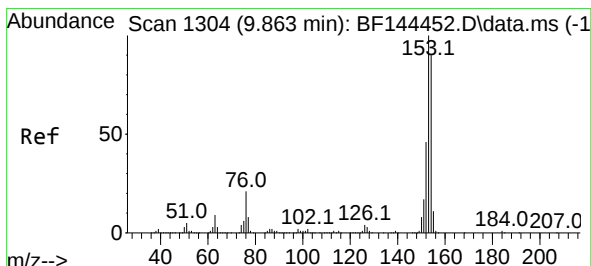
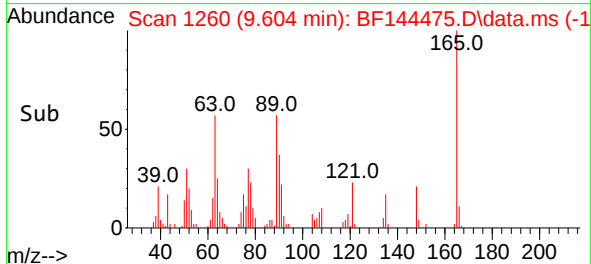
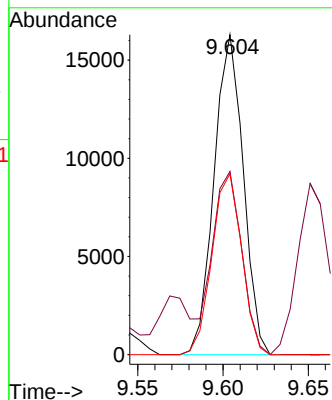
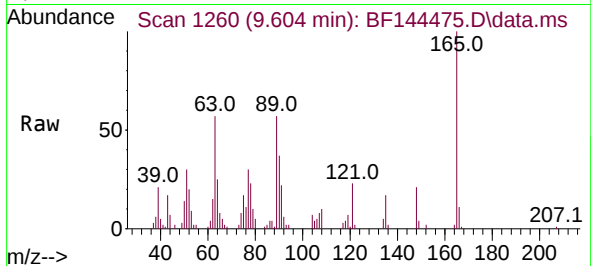




#51
2,6-Dinitrotoluene
Concen: 7.268 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

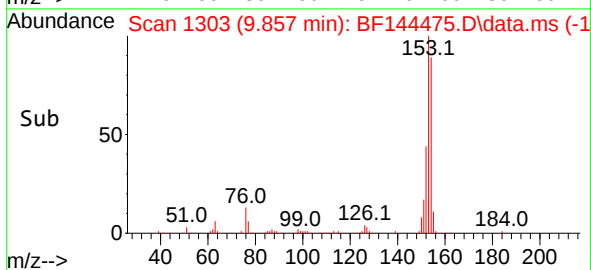
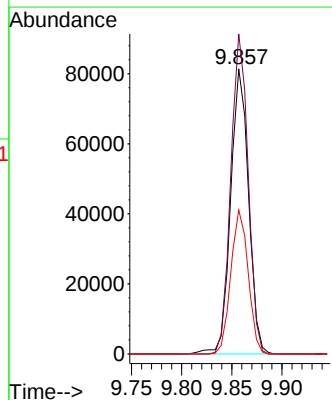
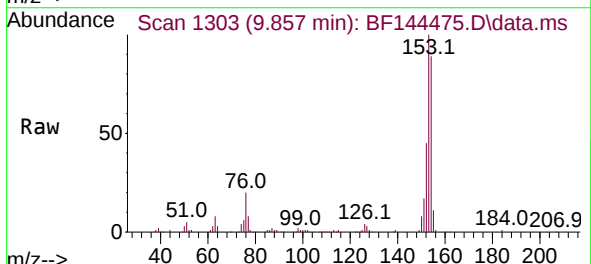
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

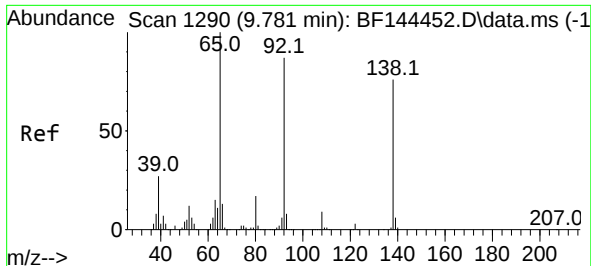
Tgt Ion:165	Resp:	19398
Ion Ratio	Lower	Upper
165	100	
63	57.2	45.9 68.9
89	56.5	44.6 67.0



#52
Acenaphthene
Concen: 4.000 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:154	Resp:	100991
Ion Ratio	Lower	Upper
154	100	
153	112.2	88.6 132.8
152	50.5	40.6 61.0

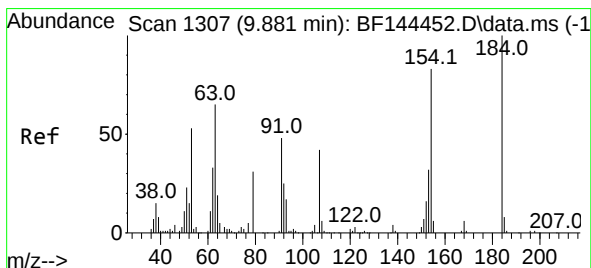
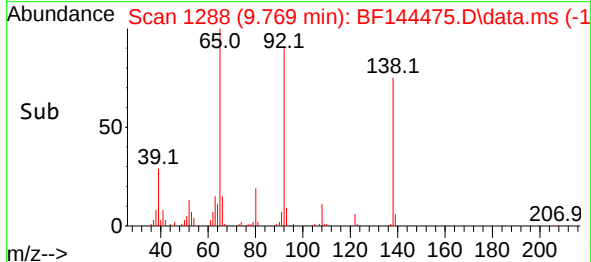
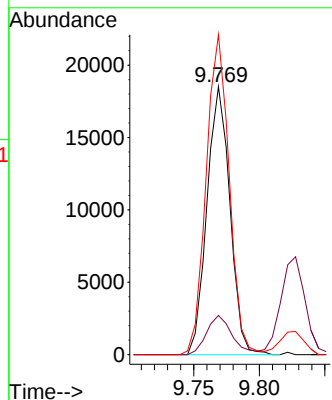
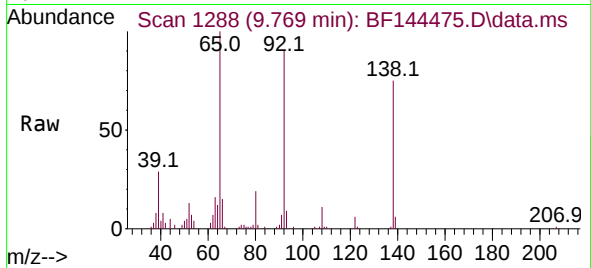




#53
3-Nitroaniline
Concen: 6.259 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

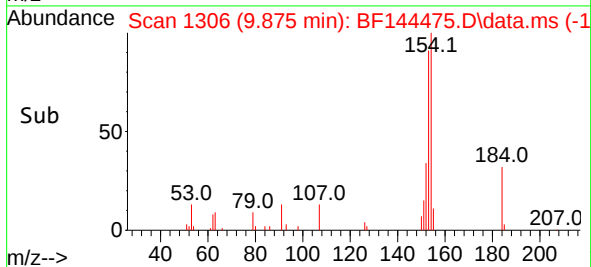
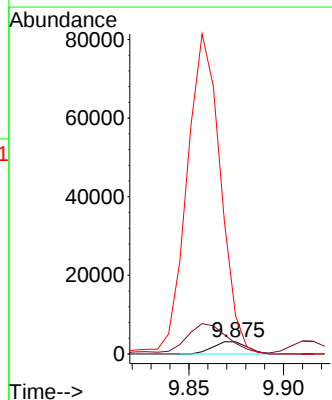
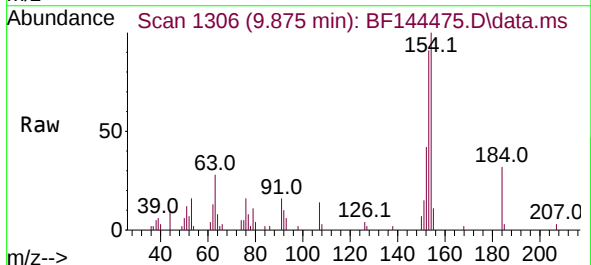
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

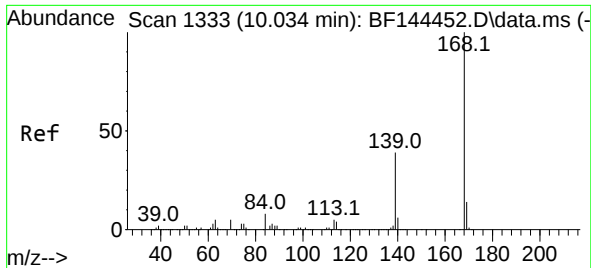
Tgt Ion:138 Resp: 22519
Ion Ratio Lower Upper
138 100
108 14.6 9.7 14.5#
92 119.4 91.5 137.3



#54
2,4-Dinitrophenol
Concen: 8.516 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:184 Resp: 3871
Ion Ratio Lower Upper
184 100
63 87.8 60.6 91.0
154 314.3 137.8 206.8#

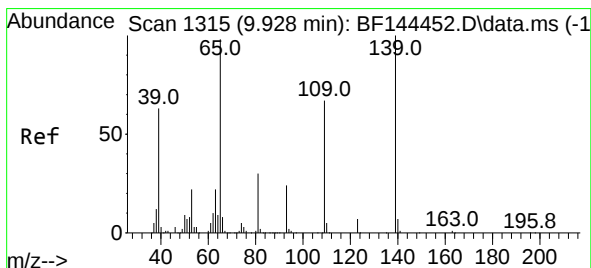
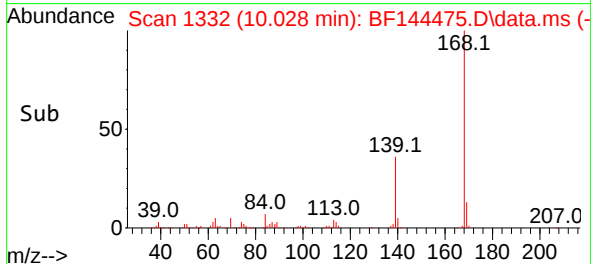
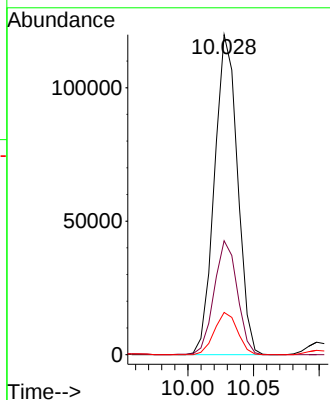
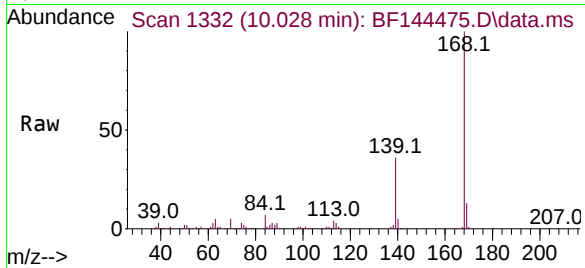




#55
Dibenzenofuran
Concen: 4.085 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

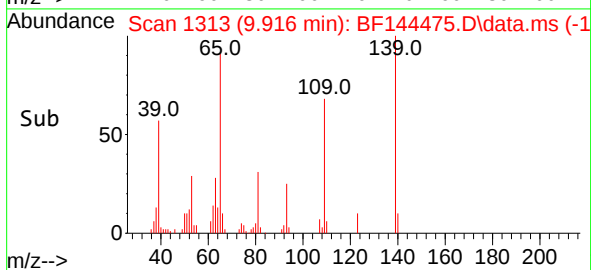
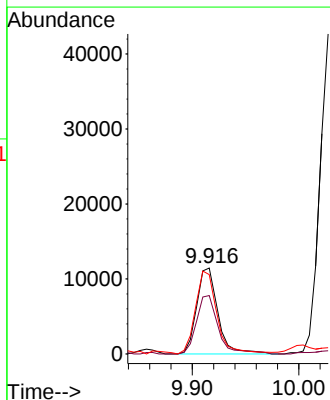
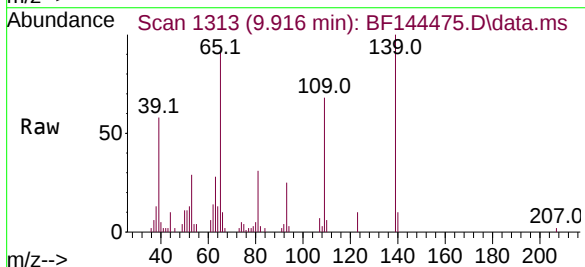
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

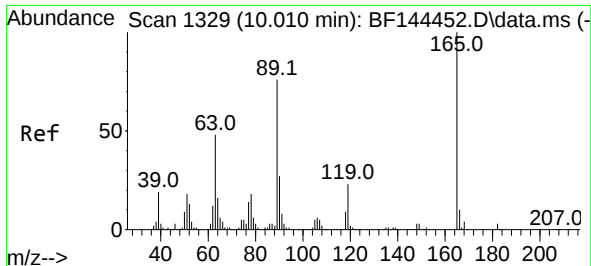
Tgt Ion:168 Resp: 146769
Ion Ratio Lower Upper
168 100
139 35.6 31.0 46.6
169 13.2 10.9 16.3



#56
4-Nitrophenol
Concen: 3.196 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:139 Resp: 15750
Ion Ratio Lower Upper
139 100
109 67.9 47.4 87.4
65 92.3 78.4 118.4

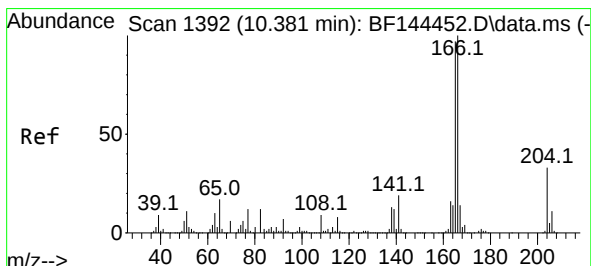
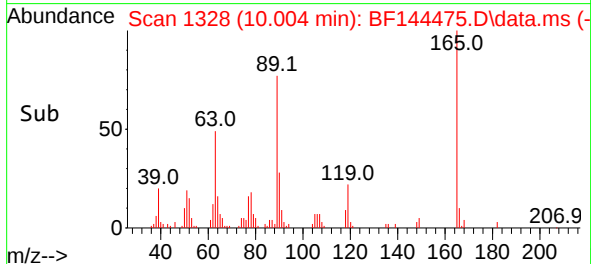
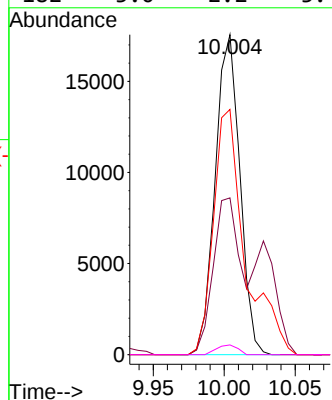
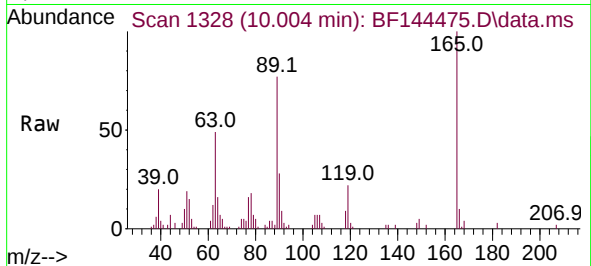




#57
2,4-Dinitrotoluene
Concen: 6.583 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

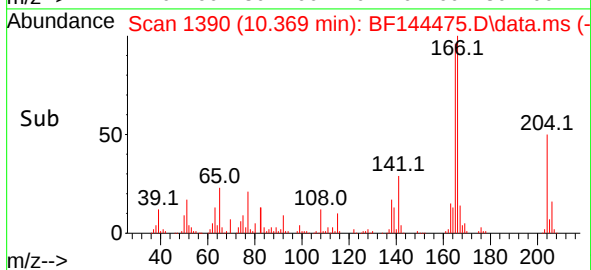
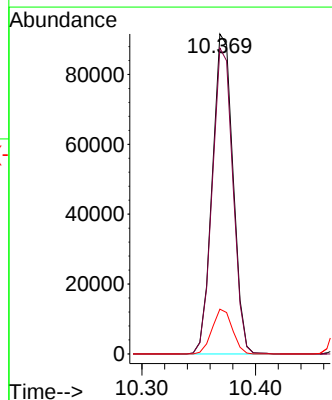
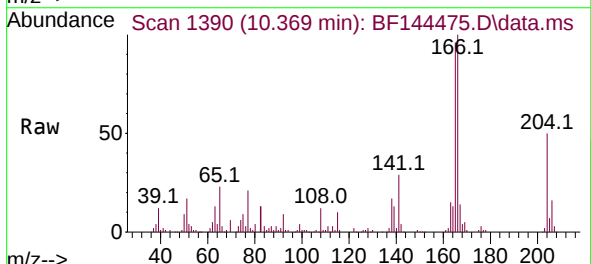
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

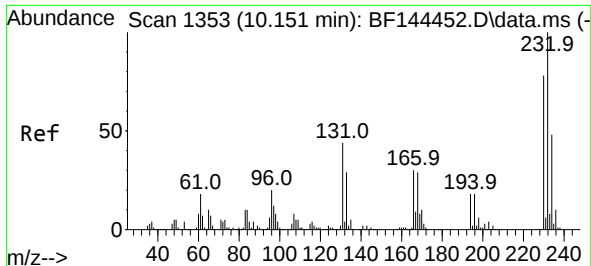
Tgt Ion:165	Resp:	21242
Ion Ratio	Lower	Upper
165	100	
63	49.0	38.2 57.4
89	76.6	61.2 91.8
182	3.0	2.2 3.4



#58
Fluorene
Concen: 4.252 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:166	Resp:	115668
Ion Ratio	Lower	Upper
166	100	
165	95.6	77.6 116.4
167	14.0	10.8 16.2

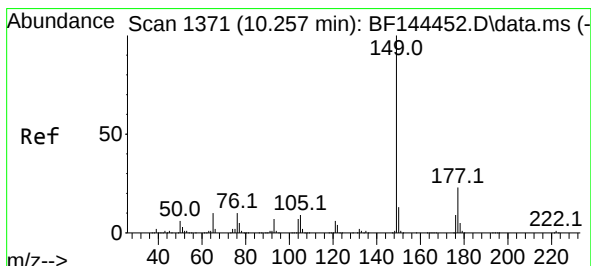
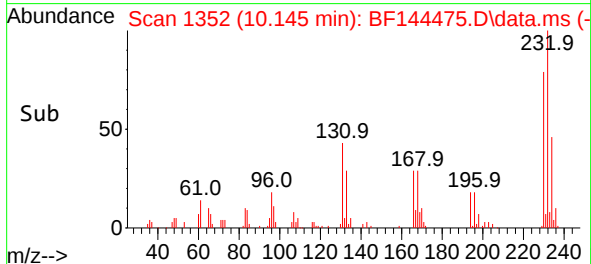
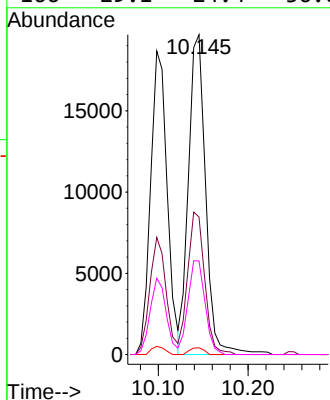
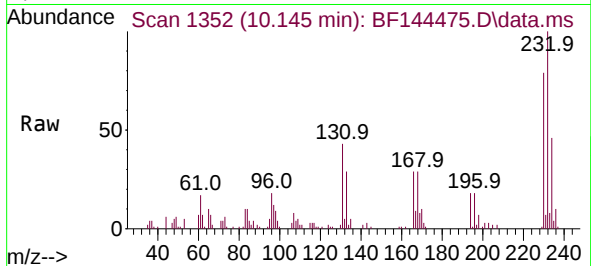




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.263 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

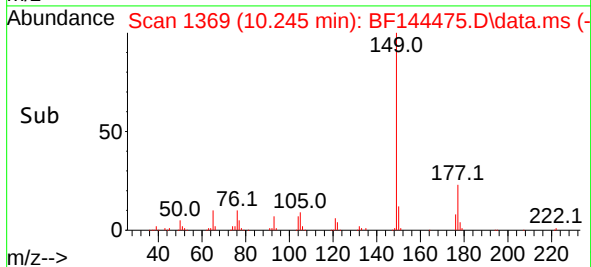
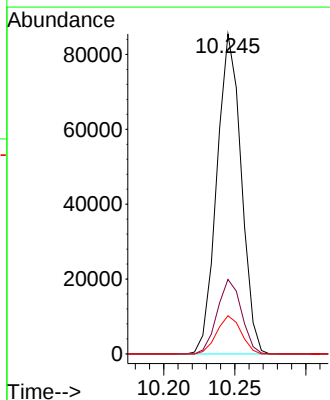
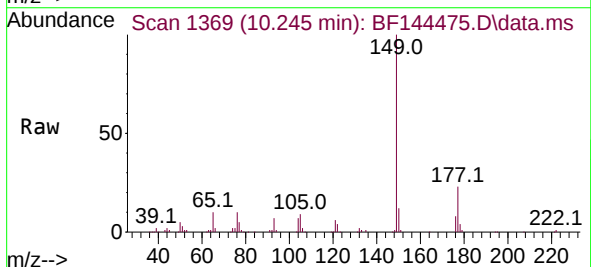
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

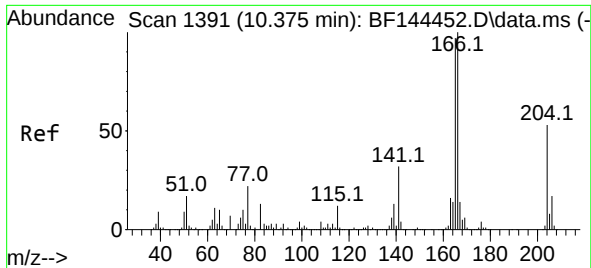
Tgt Ion:232 Resp: 26301
Ion Ratio Lower Upper
232 100
131 43.9 36.3 54.5
130 1.8 1.8 2.6
166 29.1 24.4 36.6



#60
Diethylphthalate
Concen: 3.726 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:149 Resp: 102193
Ion Ratio Lower Upper
149 100
177 23.3 18.7 28.1
150 11.9 10.1 15.1

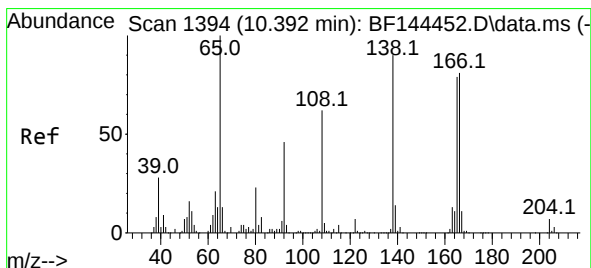
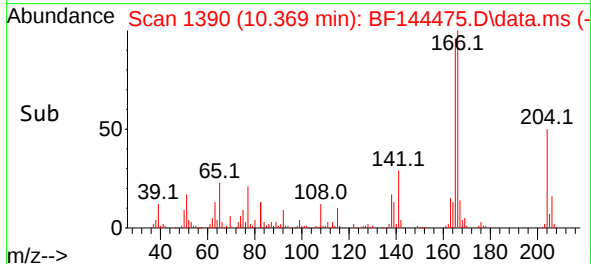
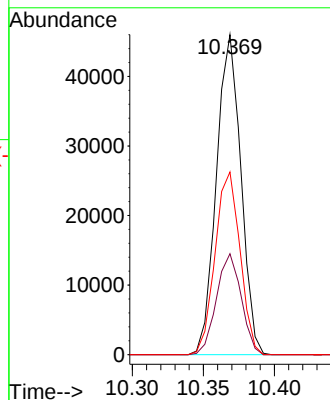
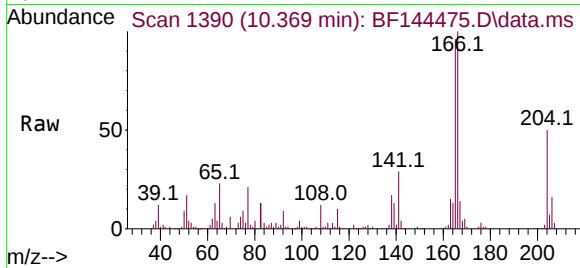




#61
4-Chlorophenyl-phenylether
Concen: 4.133 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

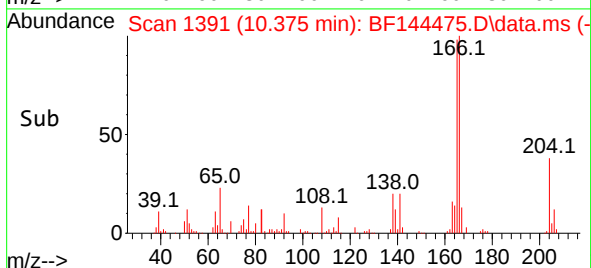
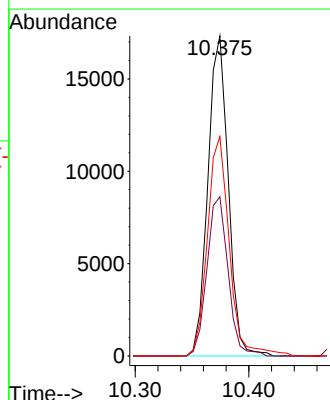
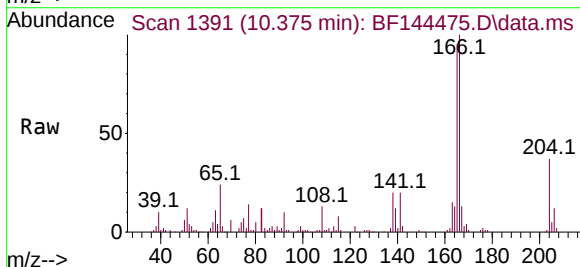
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

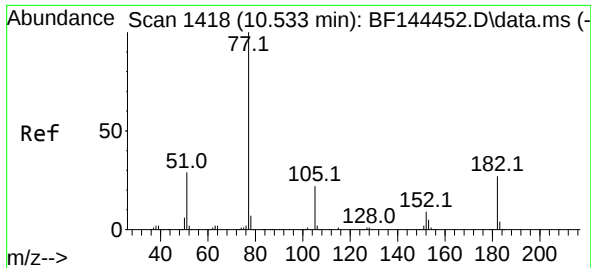
Tgt Ion:204 Resp: 55171
Ion Ratio Lower Upper
204 100
206 31.5 26.3 39.5
141 57.1 48.4 72.6



#62
4-Nitroaniline
Concen: 5.716 ng
RT: 10.375 min Scan# 1391
Delta R.T. -0.017 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:138 Resp: 21621
Ion Ratio Lower Upper
138 100
92 49.7 30.8 70.8
108 68.5 49.2 89.2

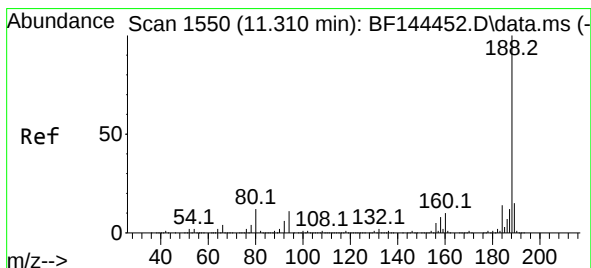
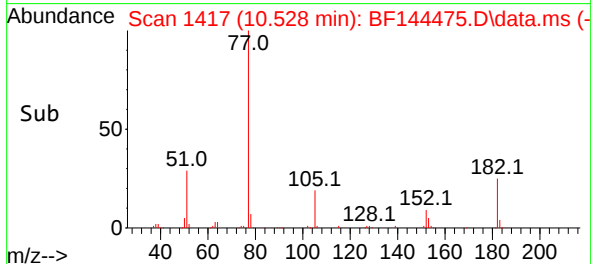
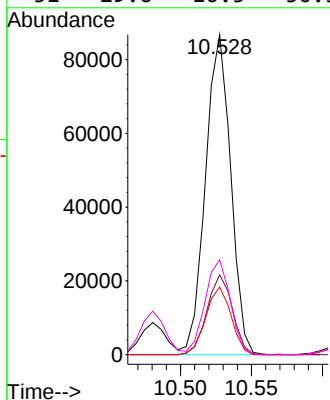
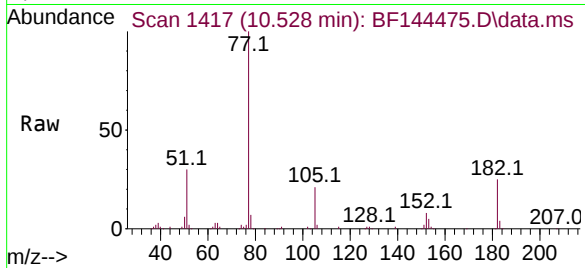




#63
Azobenzene
Concen: 3.700 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

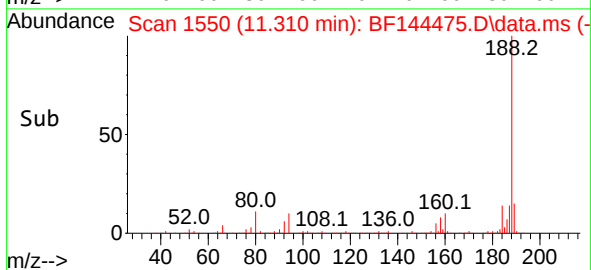
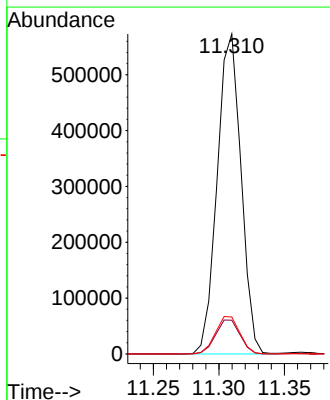
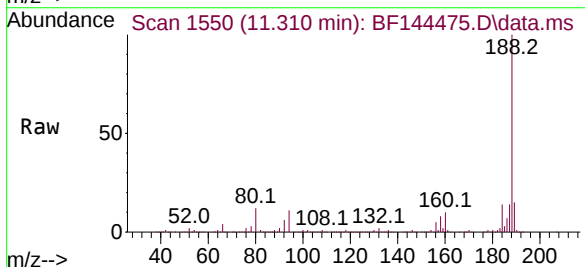
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

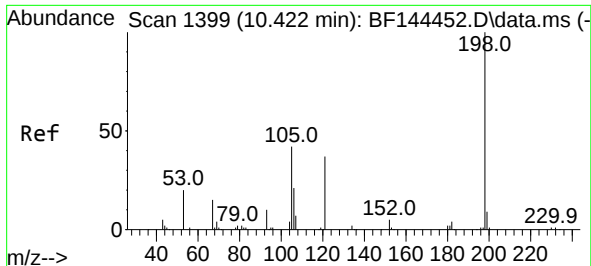
Tgt Ion: 77	Resp: 107254
Ion Ratio	Lower Upper
77 100	
182 24.9	6.1 46.1
105 21.1	1.5 41.5
51 29.6	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:188	Resp: 725614		
Ion Ratio	Lower	Upper	
188 100			
94 10.6	9.0	13.6	
80 11.5	9.8	14.8	

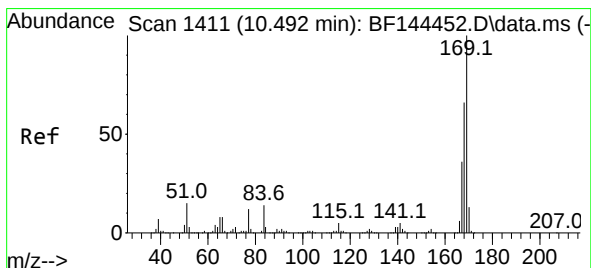
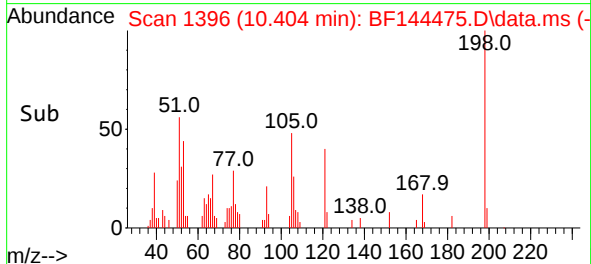
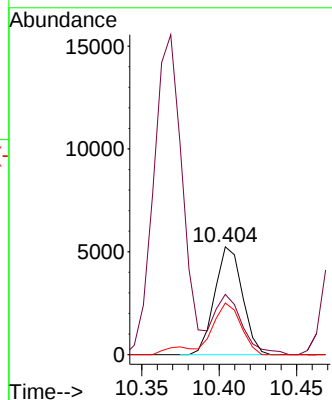
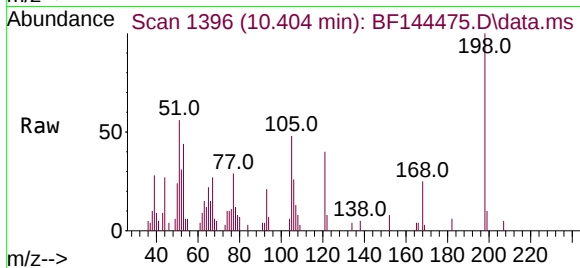




#65
4,6-Dinitro-2-methylphenol
Concen: 8.624 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.018 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

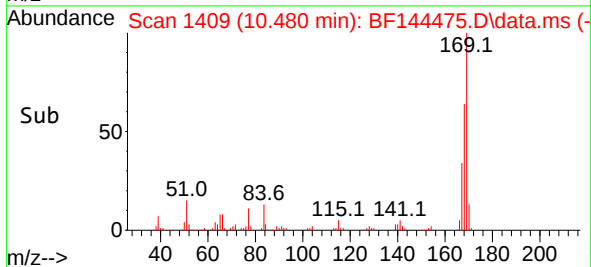
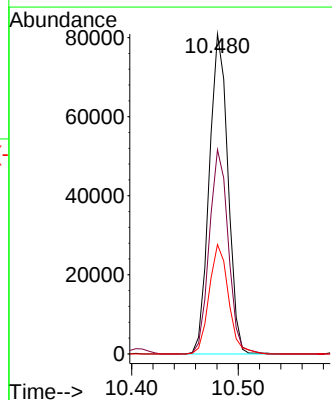
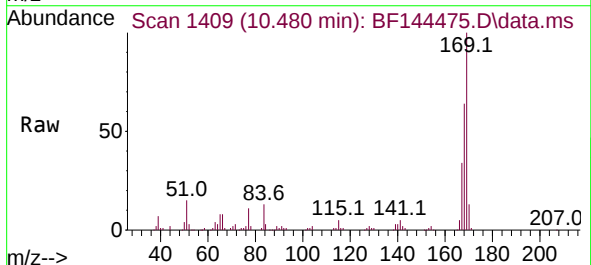
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

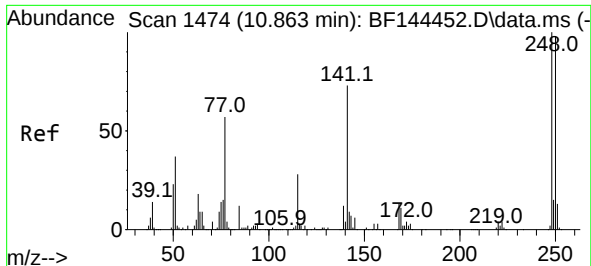
Tgt Ion:198 Resp: 6523
Ion Ratio Lower Upper
198 100
51 55.9 25.5 65.5
105 47.8 23.4 63.4



#66
n-Nitrosodiphenylamine
Concen: 3.952 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:169 Resp: 98278
Ion Ratio Lower Upper
169 100
168 63.8 52.6 79.0
167 34.2 28.8 43.2

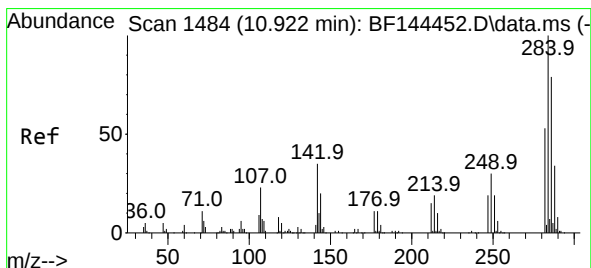
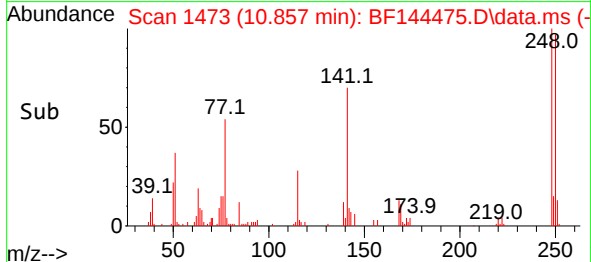
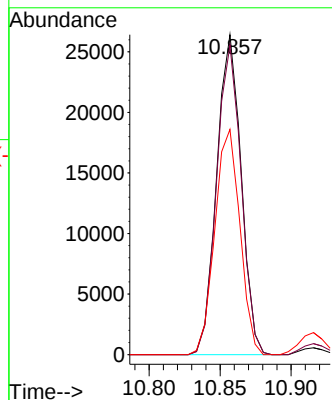
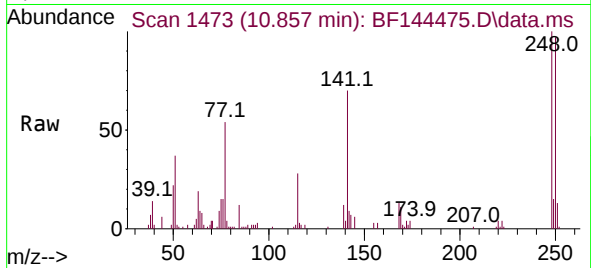




#67
4-Bromophenyl-phenylether
Concen: 3.735 ng
RT: 10.857 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

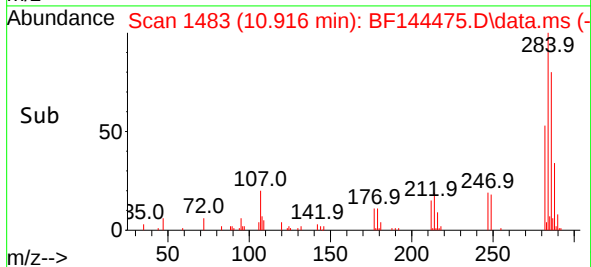
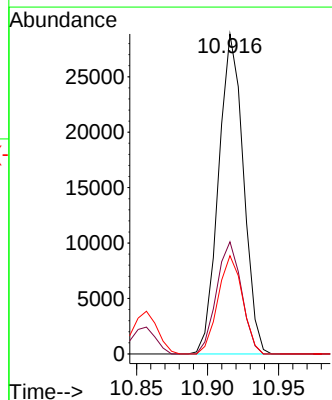
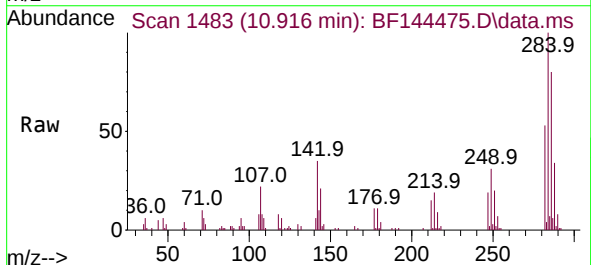
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

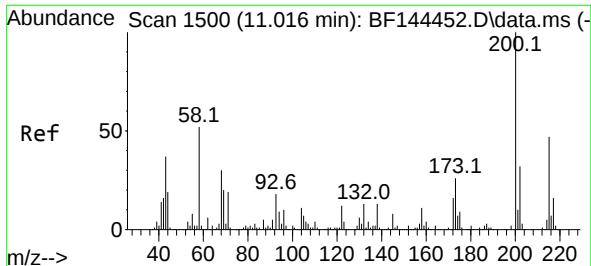
Tgt Ion:248 Resp: 31643
Ion Ratio Lower Upper
248 100
250 96.7 78.2 117.4
141 70.4 58.5 87.7



#68
Hexachlorobenzene
Concen: 3.765 ng
RT: 10.916 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:284 Resp: 35207
Ion Ratio Lower Upper
284 100
142 35.0 28.2 42.2
249 30.7 24.7 37.1

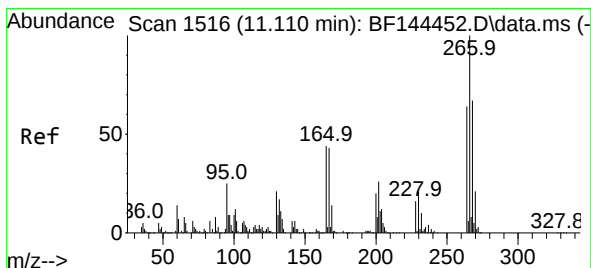
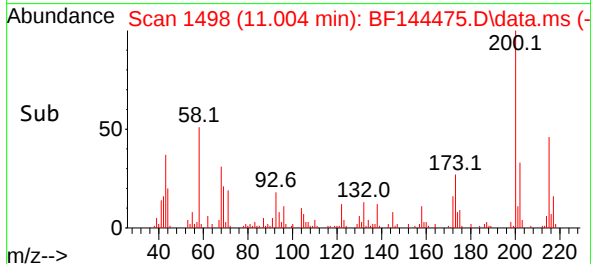
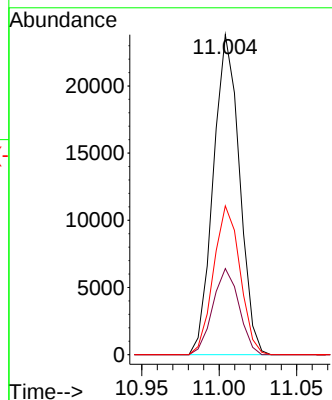
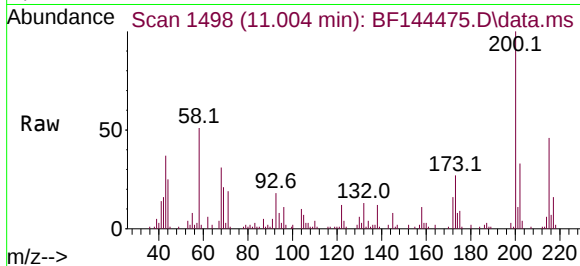




#69
Atrazine
Concen: 3.599 ng
RT: 11.004 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

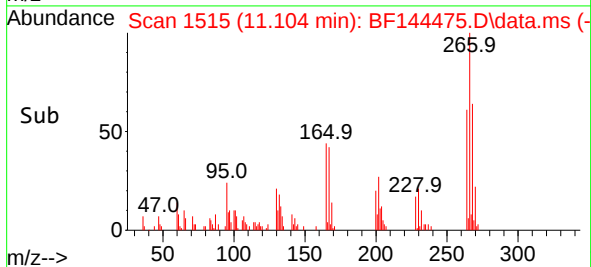
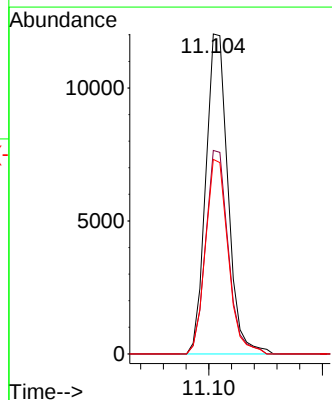
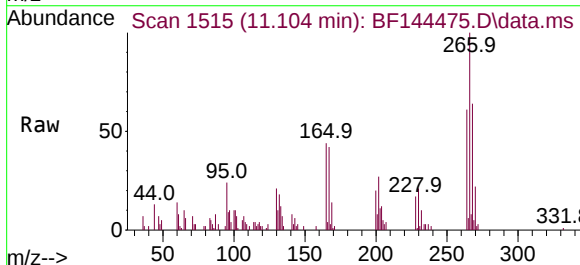
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

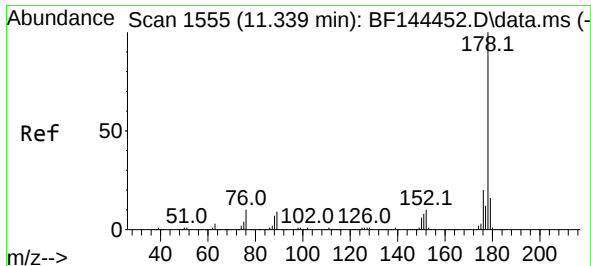
Tgt Ion:200 Resp: 28035
Ion Ratio Lower Upper
200 100
173 26.9 6.2 46.2
215 46.5 27.2 67.2



#70
Pentachlorophenol
Concen: 3.058 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:266 Resp: 16312
Ion Ratio Lower Upper
266 100
268 63.6 53.8 80.8
264 60.8 51.2 76.8

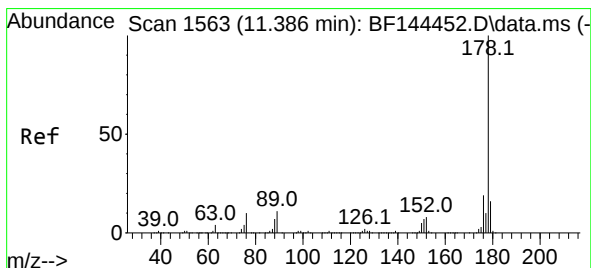
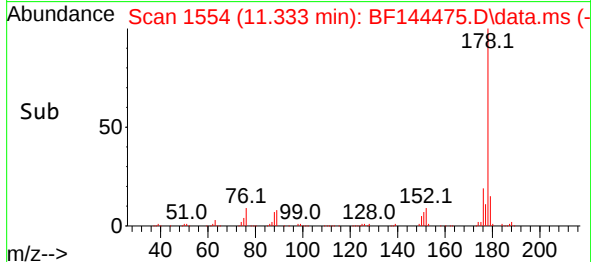
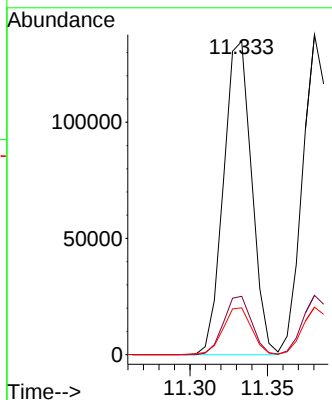
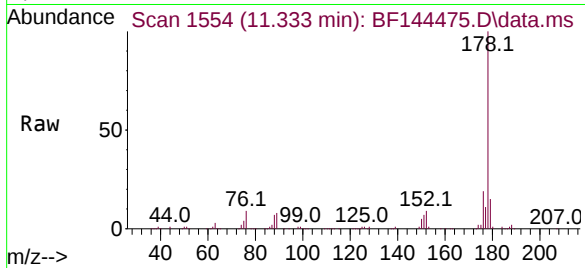




#71
Phenanthrene
Concen: 4.085 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

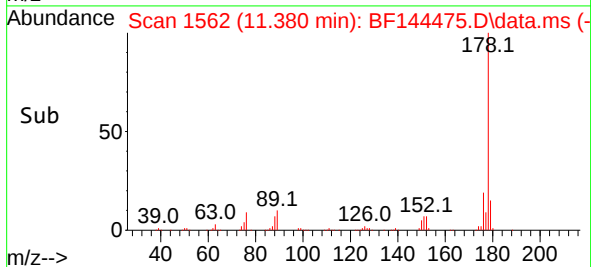
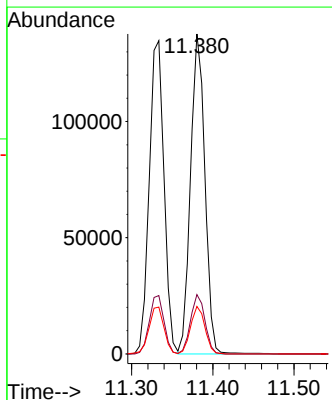
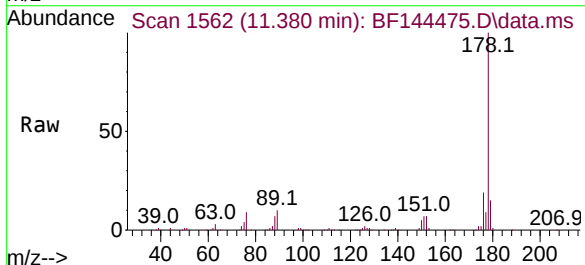
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

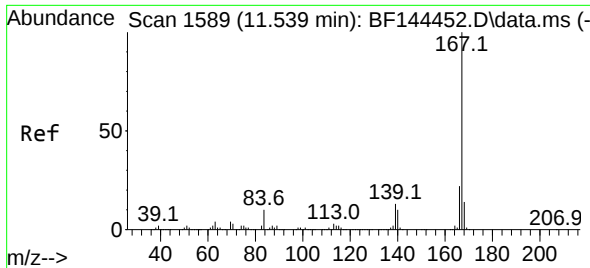
Tgt Ion:178 Resp: 170863
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 14.9 12.5 18.7



#72
Anthracene
Concen: 3.984 ng
RT: 11.380 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

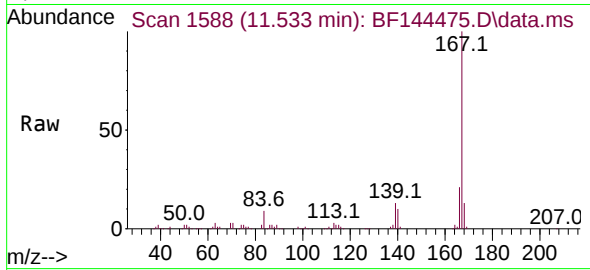
Tgt Ion:178 Resp: 168680
Ion Ratio Lower Upper
178 100
176 18.5 15.2 22.8
179 14.8 12.7 19.1



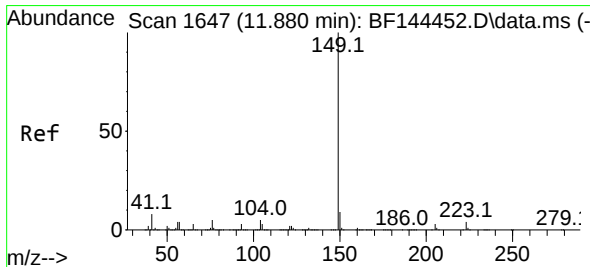
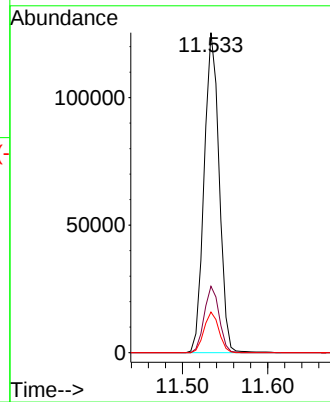
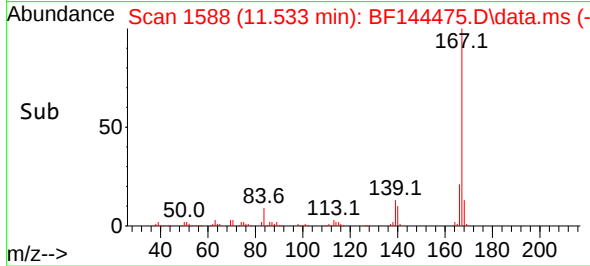


#73
 Carbazole
 Concen: 4.174 ng
 RT: 11.533 min Scan# 1588
 Delta R.T. -0.006 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

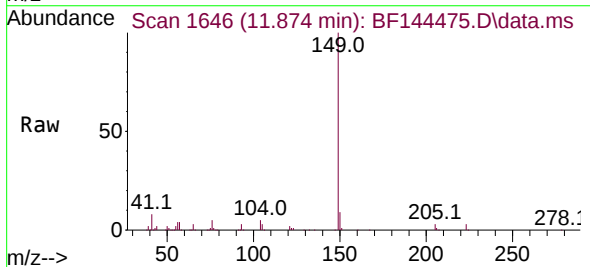
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025



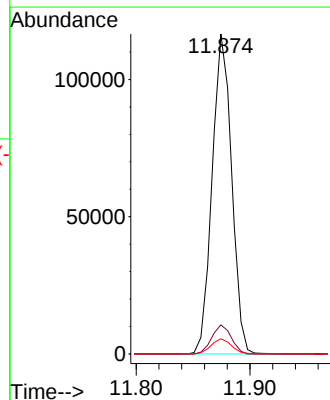
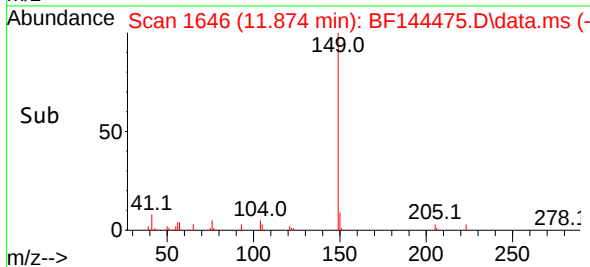
Tgt Ion:167 Resp: 153426
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.4 26.2
 139 12.7 10.7 16.1

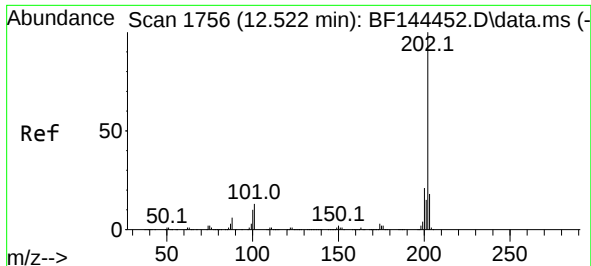


#74
 Di-n-butylphthalate
 Concen: 3.534 ng
 RT: 11.874 min Scan# 1646
 Delta R.T. -0.006 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39



Tgt Ion:149 Resp: 138856
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 4.7 3.9 5.9

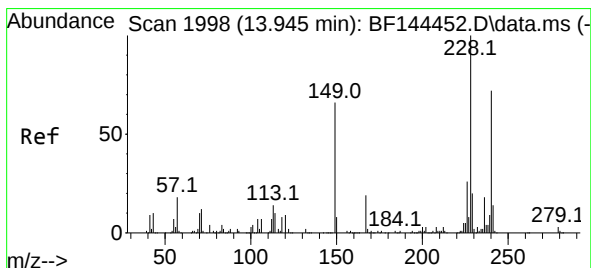
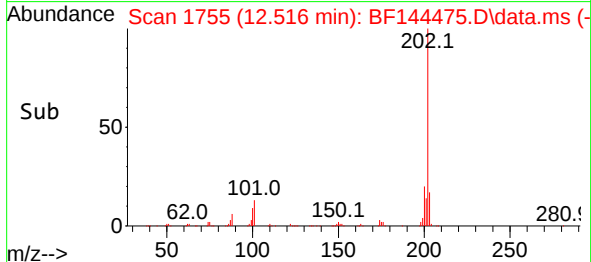
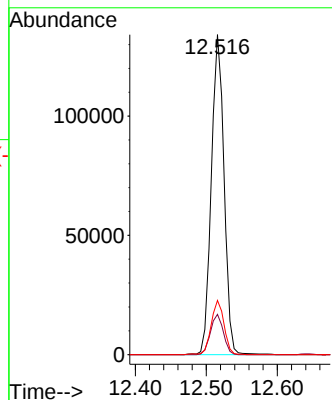
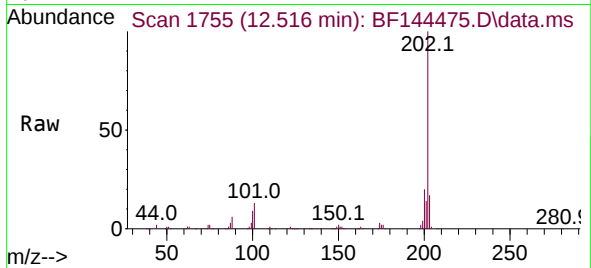




#75
Fluoranthene
Concen: 4.034 ng
RT: 12.516 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

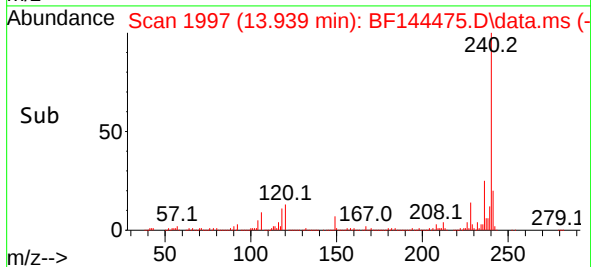
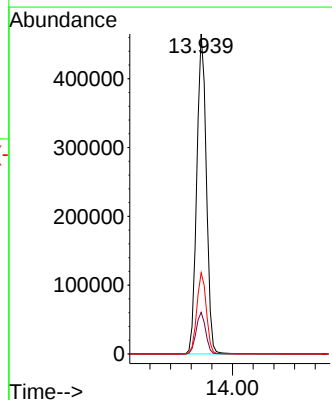
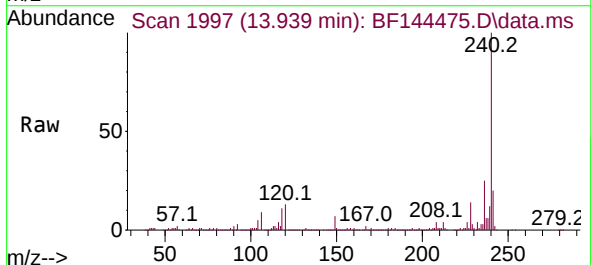
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

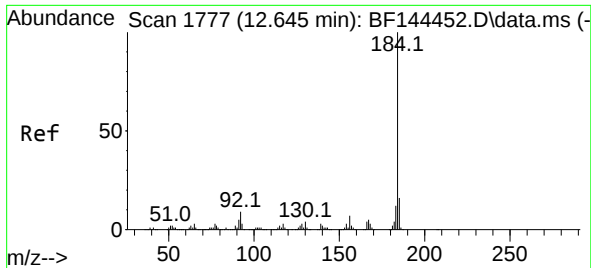
Tgt Ion:202 Resp: 166654
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.9
203 16.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:240 Resp: 597293
Ion Ratio Lower Upper
240 100
120 13.0 10.3 15.5
236 25.4 20.2 30.4

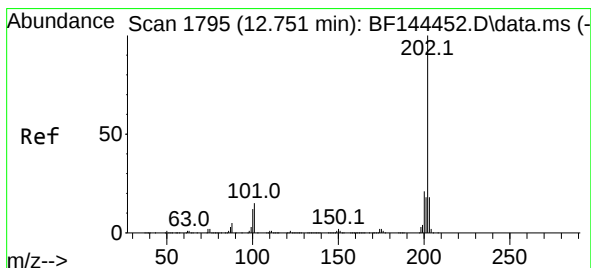
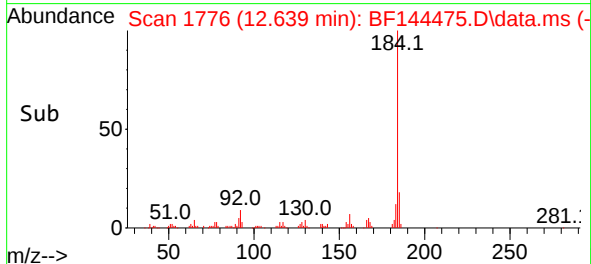
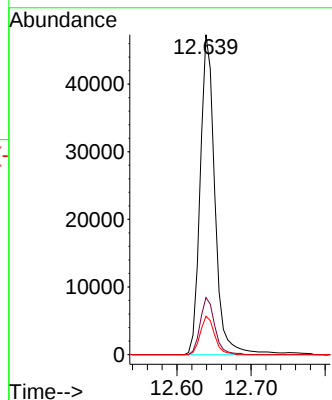
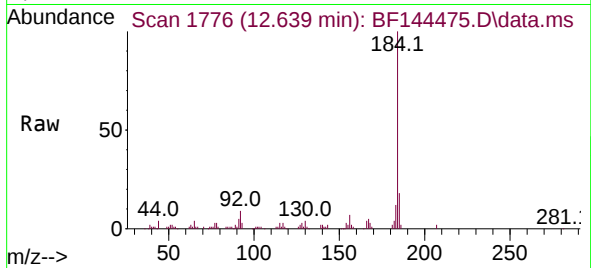




#77
Benzidine
Concen: 3.064 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

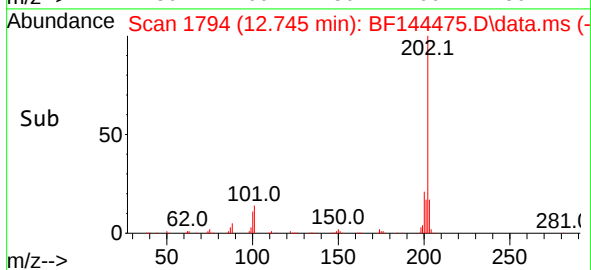
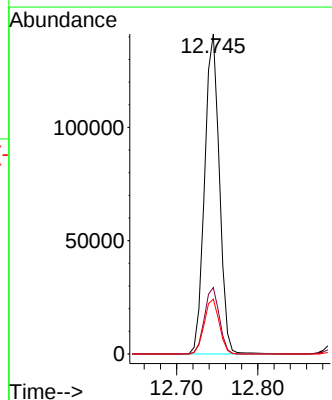
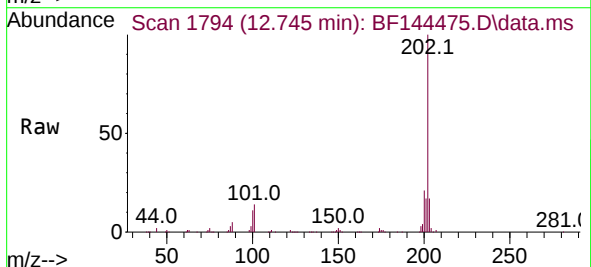
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

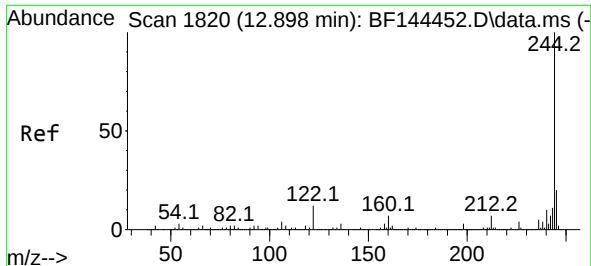
Tgt Ion:184 Resp: 65162
Ion Ratio Lower Upper
184 100
185 17.8 12.6 18.8
183 12.0 9.4 14.0



#78
Pyrene
Concen: 3.263 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:202 Resp: 178564
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.1 14.2 21.4

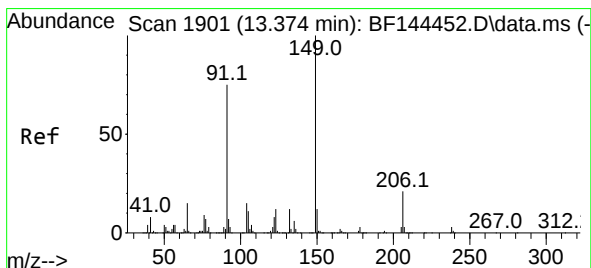
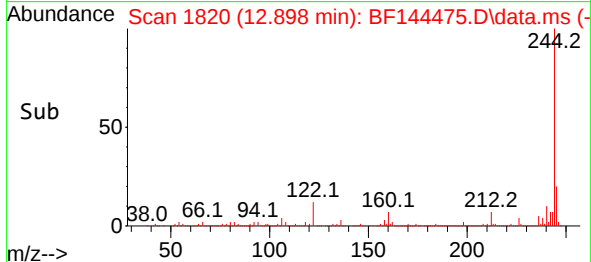
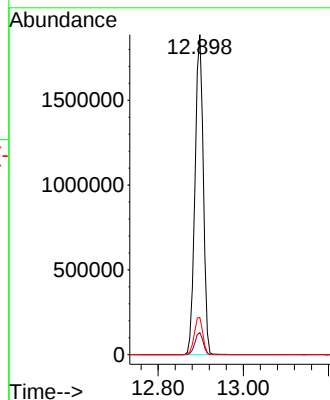
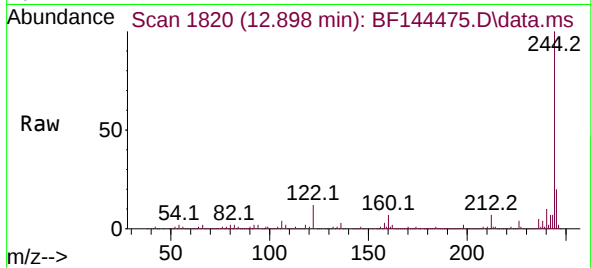




#79
 Terphenyl-d14
 Concen: 66.908 ng
 RT: 12.898 min Scan# 1820
 Delta R.T. -0.000 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

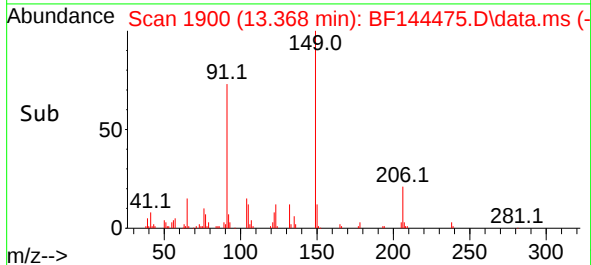
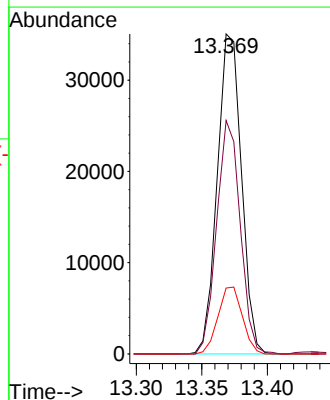
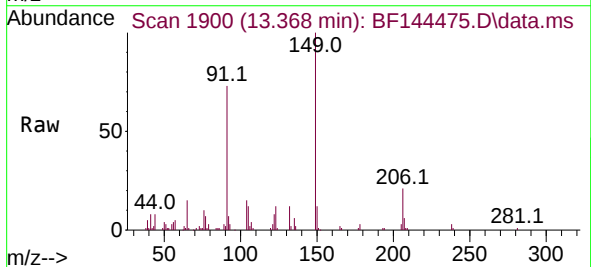
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

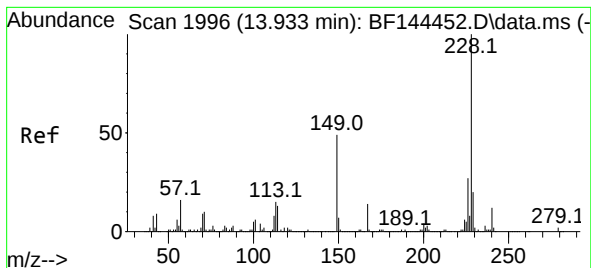
Tgt Ion:244 Resp: 2531306
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.6 9.9 14.9



#80
 Butylbenzylphthalate
 Concen: 5.579 ng
 RT: 13.368 min Scan# 1900
 Delta R.T. -0.006 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

Tgt Ion:149 Resp: 45096
 Ion Ratio Lower Upper
 149 100
 91 72.9 59.8 89.8
 206 20.6 17.0 25.6





#81

Benzo(a)anthracene

Concen: 3.575 ng

RT: 13.927 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

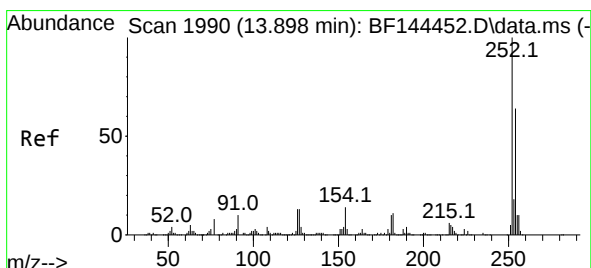
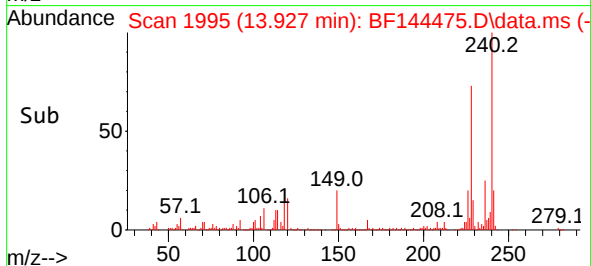
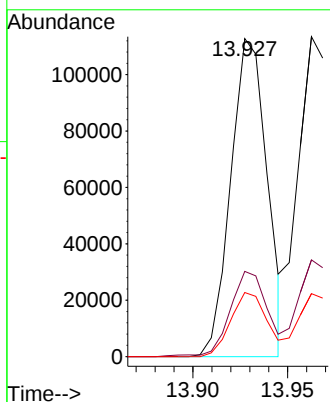
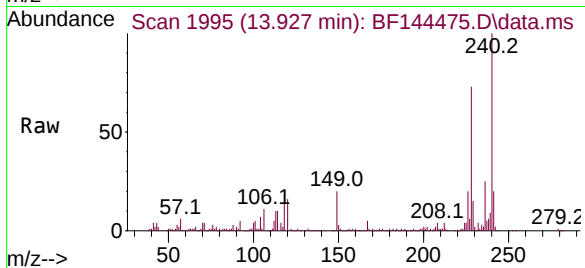
Tgt Ion:228 Resp: 150381

Ion Ratio Lower Upper

228 100

226 26.8 21.9 32.9

229 20.1 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 3.101 ng

RT: 13.898 min Scan# 1990

Delta R.T. -0.000 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

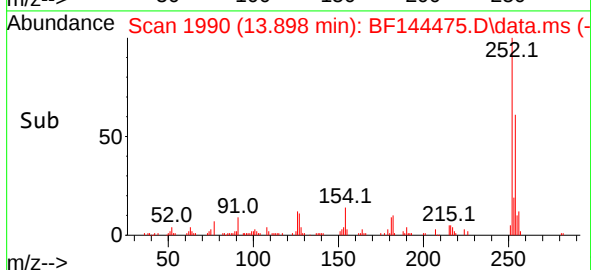
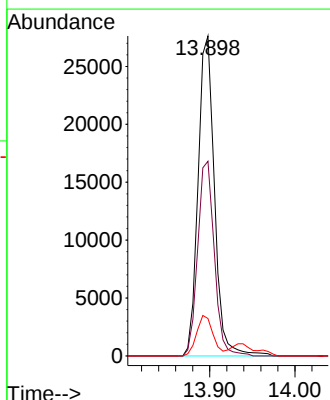
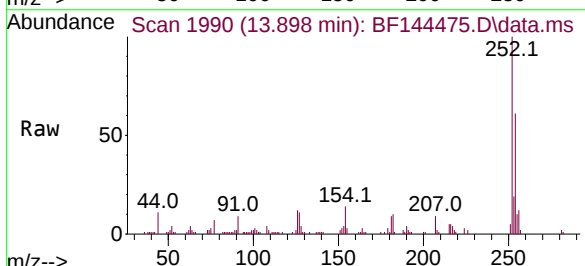
Tgt Ion:252 Resp: 36962

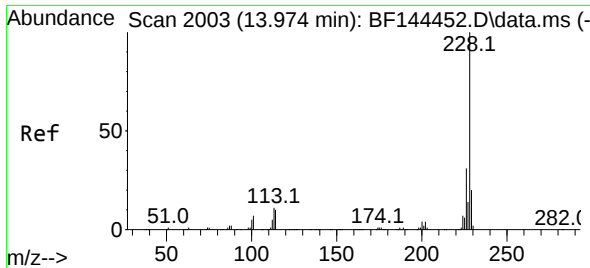
Ion Ratio Lower Upper

252 100

254 60.8 51.1 76.7

126 11.7 10.4 15.6

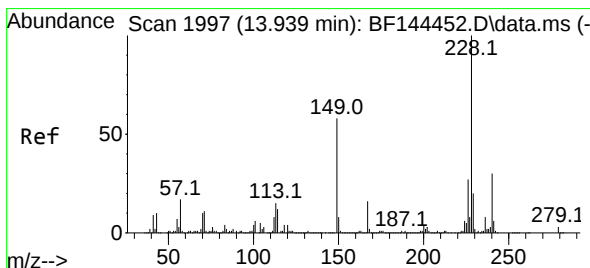
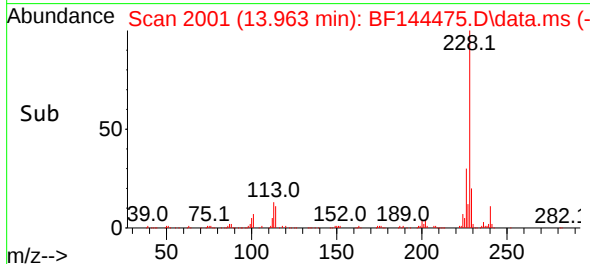
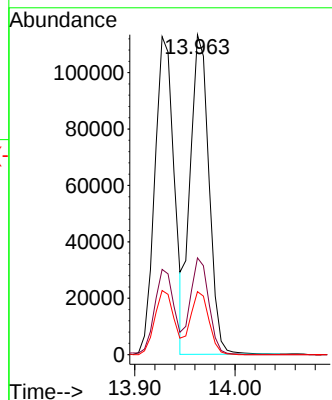
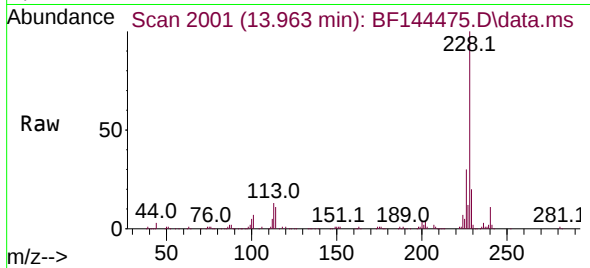




#83
Chrysene
Concen: 3.818 ng
RT: 13.963 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

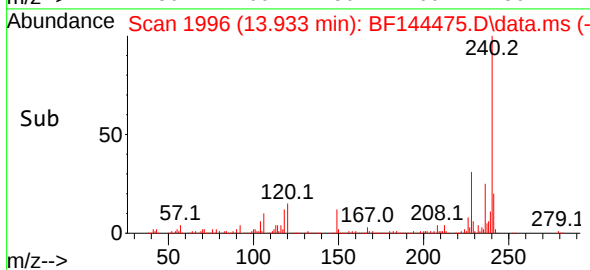
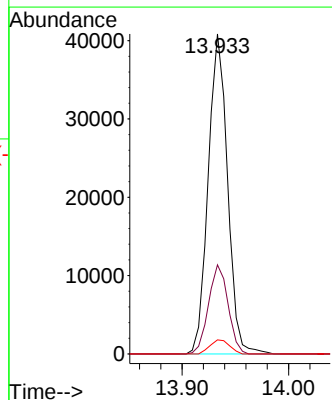
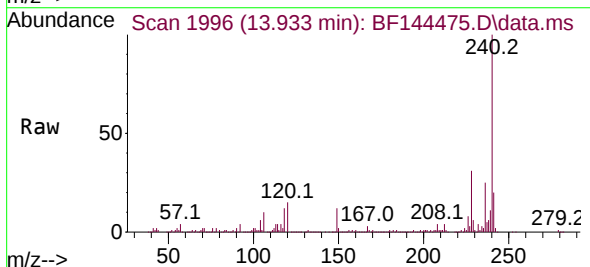
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

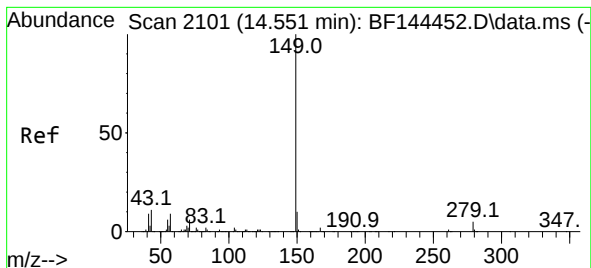
Tgt Ion:228 Resp: 146986
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 19.7 15.8 23.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.202 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:149 Resp: 51497
Ion Ratio Lower Upper
149 100
167 27.9 22.6 34.0
279 4.4 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 7.914 ng

RT: 14.545 min Scan# 2100

Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

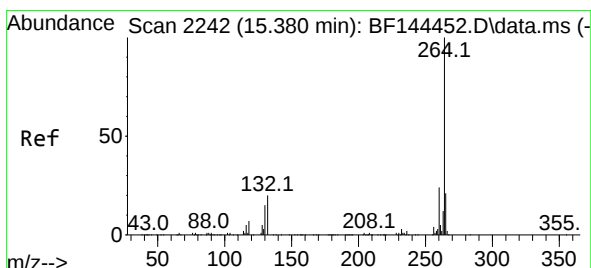
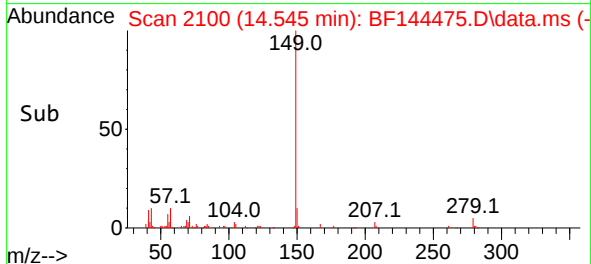
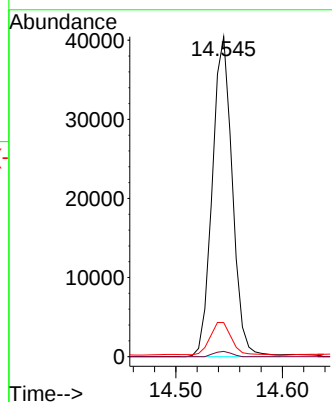
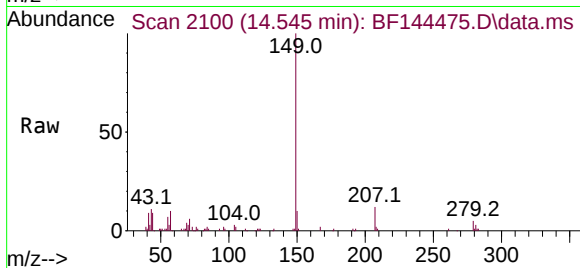
Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:149	Resp:	52991
Ion Ratio	Lower	Upper
149	100	
167	1.4	1.3 1.9
43	10.9	9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

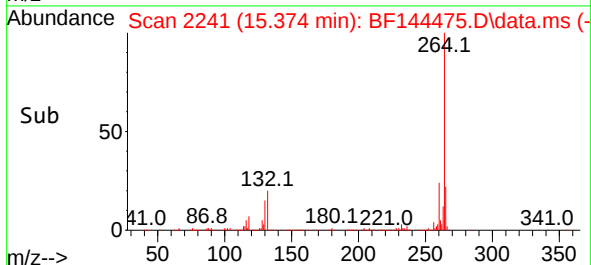
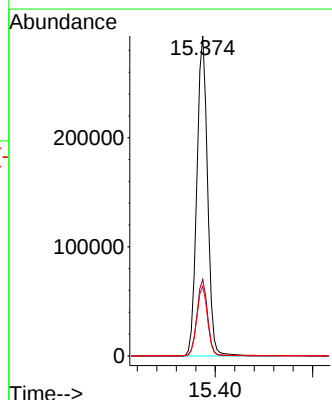
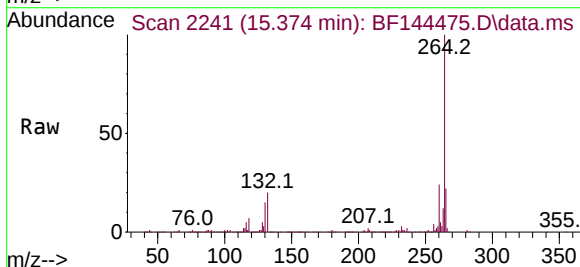
RT: 15.374 min Scan# 2241

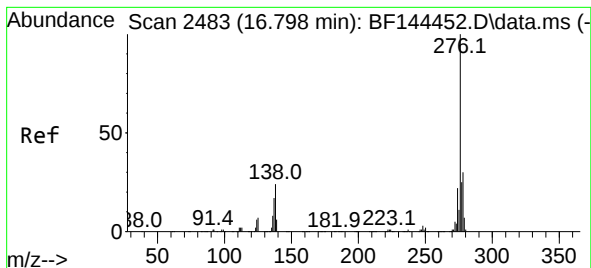
Delta R.T. -0.006 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Tgt Ion:264	Resp:	446199
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.0 28.6
265	21.8	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.804 ng

RT: 16.774 min Scan# 24

Delta R.T. -0.024 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

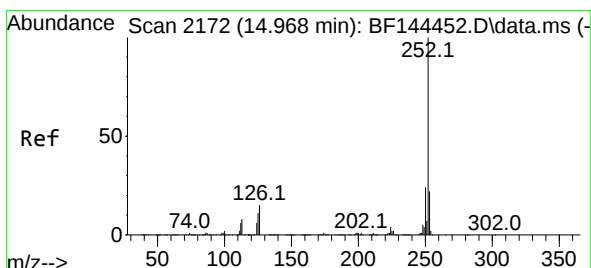
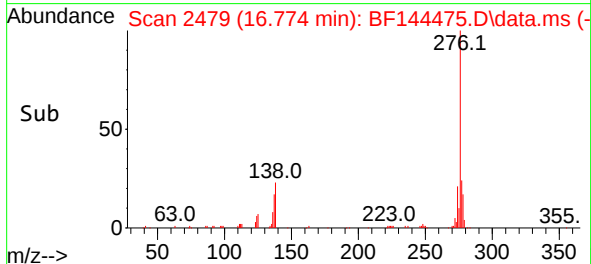
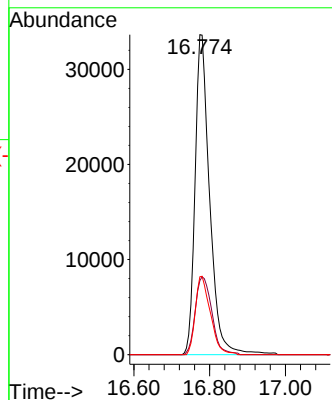
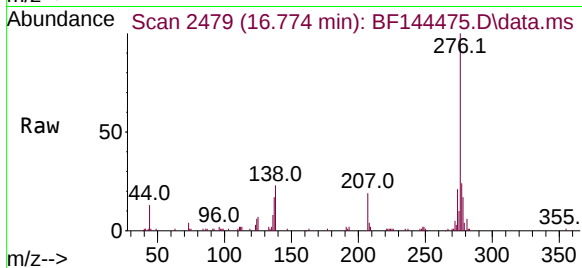
Tgt Ion:276 Resp: 89810

Ion Ratio Lower Upper

276 100

138 27.6 21.9 32.9

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.537 ng

RT: 14.957 min Scan# 2170

Delta R.T. -0.012 min

Lab File: BF144475.D

Acq: 15 Dec 2025 15:39

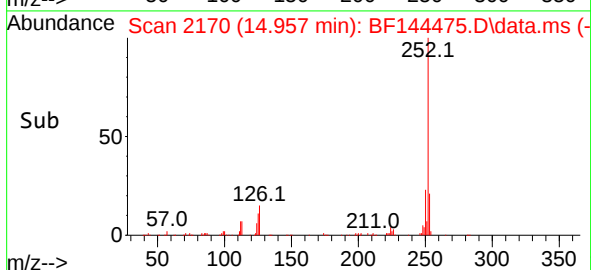
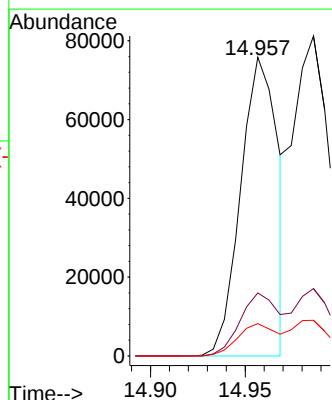
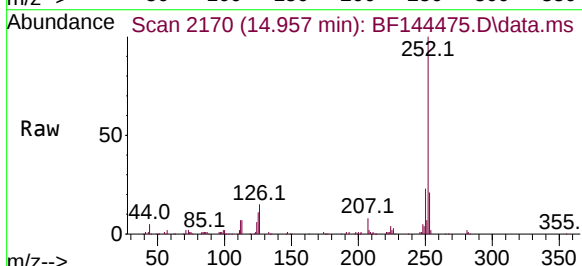
Tgt Ion:252 Resp: 103600

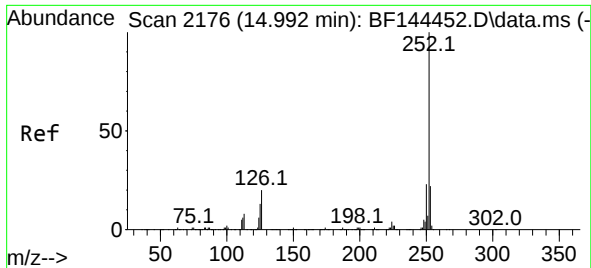
Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

125 10.8 9.0 13.4

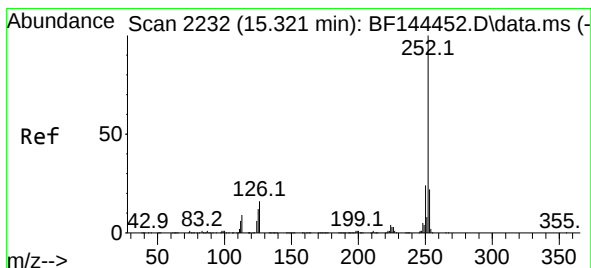
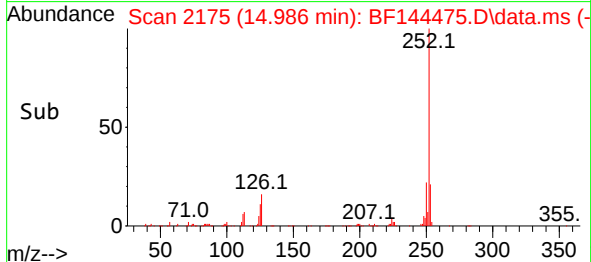
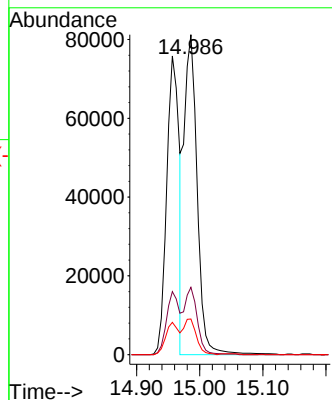
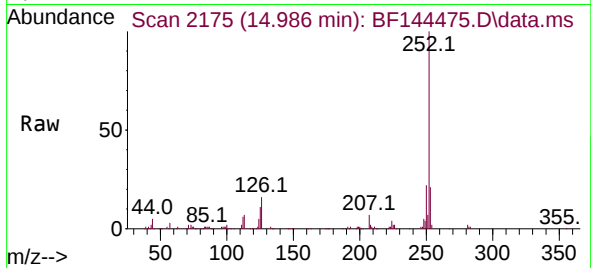




#89
Benzo(k)fluoranthene
Concen: 4.244 ng
RT: 14.986 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

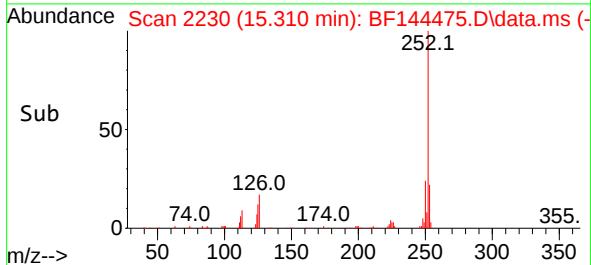
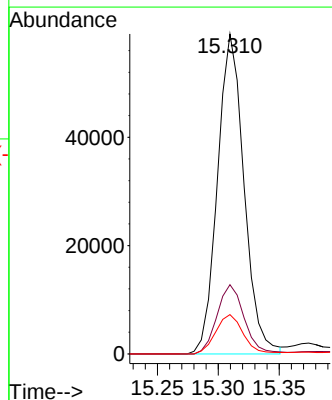
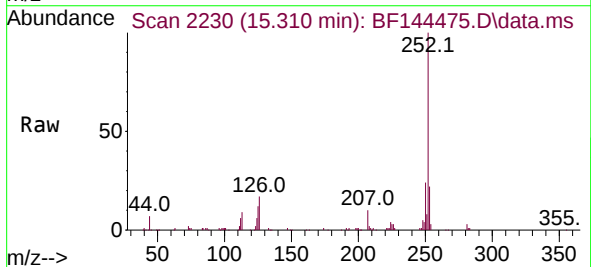
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

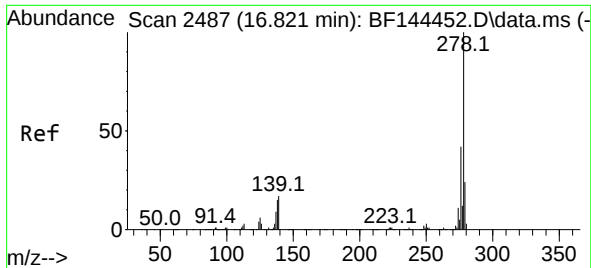
Tgt Ion:252 Resp: 117538
Ion Ratio Lower Upper
252 100
253 21.0 17.7 26.5
125 11.1 9.7 14.5



#90
Benzo(a)pyrene
Concen: 3.495 ng
RT: 15.310 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF144475.D
Acq: 15 Dec 2025 15:39

Tgt Ion:252 Resp: 89475
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 12.3 9.9 14.9

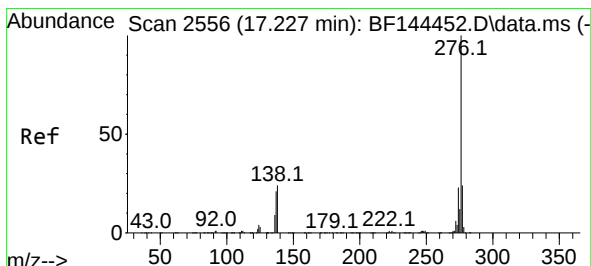
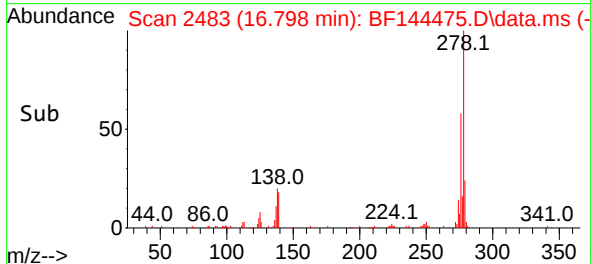
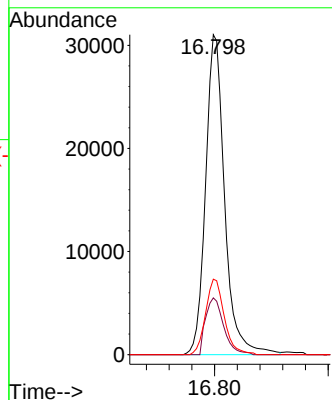
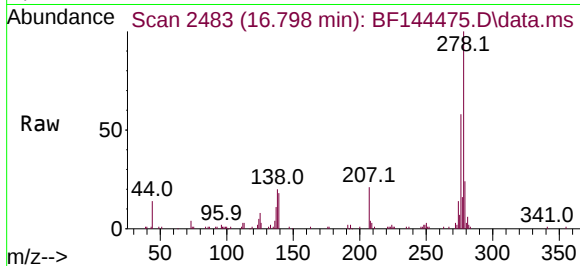




#91
 Dibenzo(a,h)anthracene
 Concen: 2.795 ng
 RT: 16.798 min Scan# 2483
 Delta R.T. -0.024 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

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

Tgt Ion:278 Resp: 72300
 Ion Ratio Lower Upper
 278 100
 139 17.7 13.6 20.4
 279 23.6 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 2.815 ng
 RT: 17.204 min Scan# 2552
 Delta R.T. -0.024 min
 Lab File: BF144475.D
 Acq: 15 Dec 2025 15:39

Tgt Ion:276 Resp: 74020
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.8 28.2
 138 24.9 19.4 29.2

