

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121525\
 Data File : BF144477.D
 Acq On : 15 Dec 2025 16:37
 Operator : RC/JU
 Sample : Q3530-02
 Misc : LOQ-SOIL-5NG
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Dec 15 17:06:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 17:06:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	209411	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	829624	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	437594	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	727560	20.000	ng	0.00
76) Chrysene-d12	13.939	240	571279	20.000	ng	0.00
86) Perylene-d12	15.374	264	424659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1522995	109.659	ng	0.00
7) Phenol-d6	6.416	99	1906970	110.081	ng	0.00
23) Nitrobenzene-d5	7.351	82	1192534	89.952	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	496362	125.462	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2140113	75.026	ng	0.00
79) Terphenyl-d14	12.898	244	2400382	66.337	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.499	88	28763	4.307	ng	98
3) Pyridine	3.275	79	68161	3.712	ng	98
4) n-Nitrosodimethylamine	3.158	42	31669	3.968	ng	# 97
6) Aniline	6.457	93	104168	4.311	ng	98
8) 2-Chlorophenol	6.575	128	66511	4.467	ng	87
9) Benzaldehyde	6.340	77	53853	3.971	ng	98
10) Phenol	6.428	94	90067	4.405	ng	# 66
11) bis(2-Chloroethyl)ether	6.528	93	64748	4.333	ng	99
12) 1,3-Dichlorobenzene	6.734	146	74014	4.601	ng	98
13) 1,4-Dichlorobenzene	6.810	146	74010	4.585	ng	99
14) 1,2-Dichlorobenzene	6.963	146	71314	4.652	ng	96
15) Benzyl Alcohol	6.928	79	53663	4.203	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	100512	3.985	ng	100
17) 2-Methylphenol	7.034	107	53304	4.247	ng	99
18) Hexachloroethane	7.304	117	23783	4.240	ng	99
19) n-Nitroso-di-n-propyla...	7.198	70	45423	4.151	ng	99
20) 3+4-Methylphenols	7.187	107	69492	4.506	ng	# 89
22) Acetophenone	7.198	105	94450	4.590	ng	95
24) Nitrobenzene	7.369	77	71104	4.944	ng	99
25) Isophorone	7.604	82	120333	4.022	ng	98
26) 2-Nitrophenol	7.687	139	22757	7.364	ng	98
27) 2,4-Dimethylphenol	7.722	122	53143	3.723	ng	96
28) bis(2-Chloroethoxy)met...	7.822	93	78012	4.231	ng	99
29) 2,4-Dichlorophenol	7.922	162	50372	4.246	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	59331	4.612	ng	98
31) Naphthalene	8.092	128	201286	4.508	ng	99
32) Benzoic acid	7.757	122	14321	7.988	ng	94
33) 4-Chloroaniline	8.140	127	79085	4.407	ng	97
34) Hexachlorobutadiene	8.216	225	34633	4.354	ng	98
35) Caprolactam	8.463	113	13432	3.429	ng	97
36) 4-Chloro-3-methylphenol	8.610	107	51864	4.028	ng	99
37) 2-Methylnaphthalene	8.787	142	118304	4.027	ng	99
38) 1-Methylnaphthalene	8.887	142	120606	4.216	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	58324	4.683	ng	99
41) Hexachlorocyclopentadiene	8.939	237	23053	3.128	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	34639	4.380	ng	97

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Instrument :
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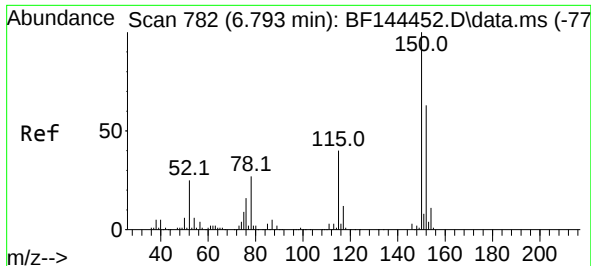
Quant Time: Dec 15 17:06:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 17:06:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.092	196	35477	4.274	ng	97
46) 1,1'-Biphenyl	9.251	154	162291	4.746	ng	98
47) 2-Chloronaphthalene	9.275	162	118509	4.539	ng	97
48) 2-Nitroaniline	9.363	65	25376	6.765	ng	97
49) Acenaphthylene	9.686	152	183748	4.442	ng	97
50) Dimethylphthalate	9.545	163	128492	4.347	ng	99
51) 2,6-Dinitrotoluene	9.604	165	22204	4.934	ng	99
52) Acenaphthene	9.857	154	113989	4.420	ng	98
53) 3-Nitroaniline	9.769	138	27038	6.831	ng	99
54) 2,4-Dinitrophenol	9.875	184	4567	8.788	ng #	31
55) Dibenzofuran	10.028	168	166798	4.546	ng	96
56) 4-Nitrophenol	9.916	139	17589	3.494	ng	97
57) 2,4-Dinitrotoluene	10.004	165	26607	7.193	ng	94
58) Fluorene	10.369	166	128917	4.640	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	30526	4.845	ng #	94
60) Diethylphthalate	10.245	149	116129	4.145	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	61337	4.499	ng	99
62) 4-Nitroaniline	10.375	138	23844	5.971	ng	98
63) Azobenzene	10.528	77	122148	4.126	ng	99
65) 4,6-Dinitro-2-methylph...	10.404	198	8153	9.071	ng	92
66) n-Nitrosodiphenylamine	10.481	169	111028	4.453	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	35256	4.151	ng	97
68) Hexachlorobenzene	10.916	284	40112	4.278	ng	98
69) Atrazine	11.004	200	30981	3.967	ng	98
70) Pentachlorophenol	11.104	266	18538	3.466	ng	97
71) Phenanthrene	11.328	178	195204	4.654	ng	98
72) Anthracene	11.380	178	186168	4.385	ng	97
73) Carbazole	11.533	167	166399	4.515	ng	98
74) Di-n-butylphthalate	11.875	149	156966	3.984	ng	100
75) Fluoranthene	12.516	202	185330	4.474	ng	99
77) Benzidine	12.639	184	48057	2.363	ng	97
78) Pyrene	12.745	202	195180	3.729	ng	98
80) Butylbenzylphthalate	13.369	149	45124	5.686	ng	99
81) Benzo(a)anthracene	13.927	228	161191	4.007	ng	98
82) 3,3'-Dichlorobenzidine	13.898	252	38880	3.411	ng	98
83) Chrysene	13.963	228	161354	4.382	ng	99
84) Bis(2-ethylhexyl)phtha...	13.933	149	59311	5.671	ng	99
85) Di-n-octyl phthalate	14.545	149	59480	8.159	ng	100
87) Indeno(1,2,3-cd)pyrene	16.780	276	104648	3.433	ng	99
88) Benzo(b)fluoranthene	14.957	252	109633	3.933	ng	99
89) Benzo(k)fluoranthene	14.986	252	104985	3.983	ng	98
90) Benzo(a)pyrene	15.310	252	96012	3.940	ng	100
91) Dibenzo(a,h)anthracene	16.798	278	85674	3.480	ng	97
92) Benzo(g,h,i)perylene	17.204	276	85937	3.433	ng	98

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

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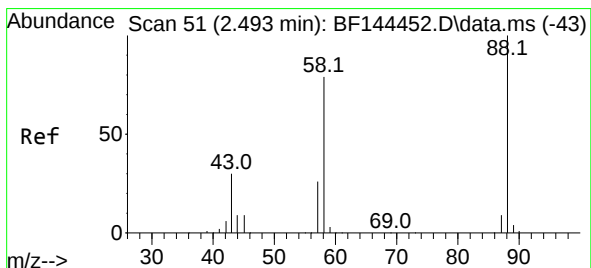
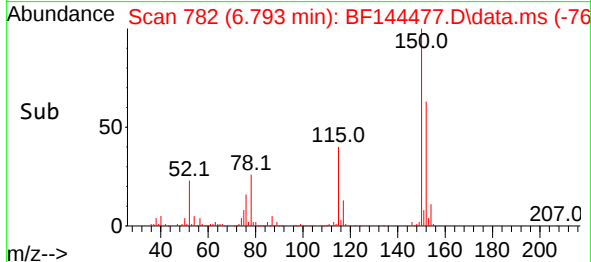
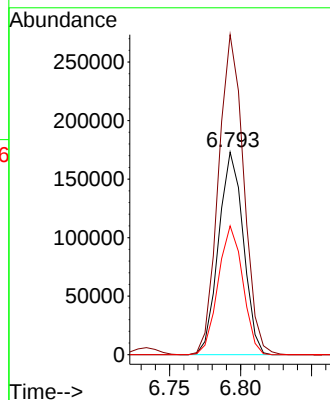
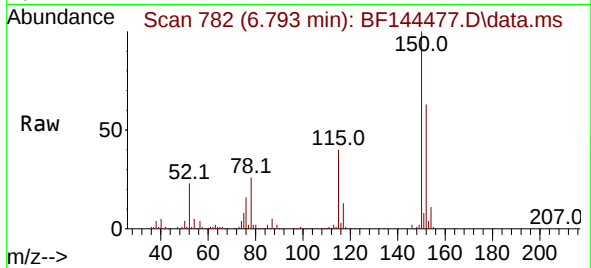
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF144477.D
 Acq: 15 Dec 2025 16:37

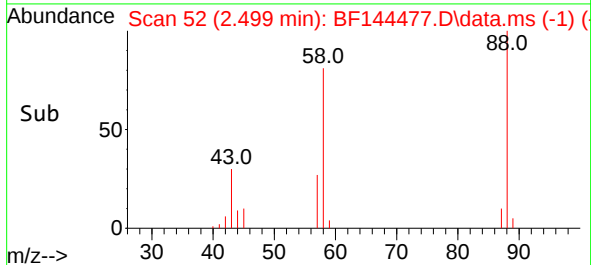
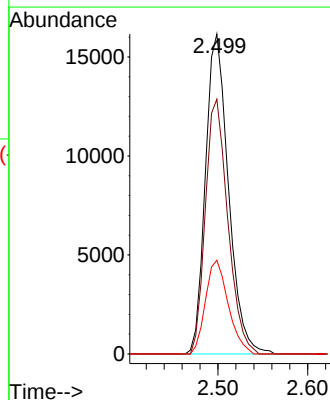
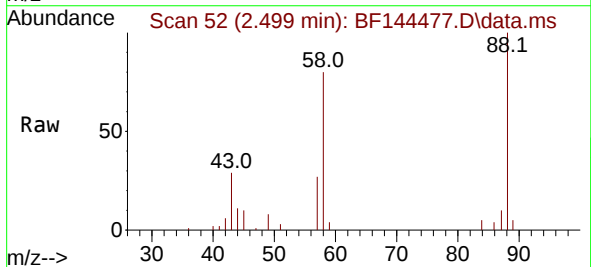
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

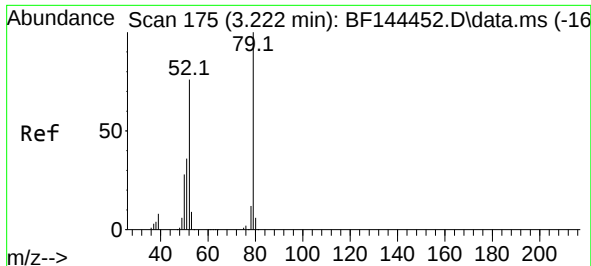
Tgt Ion:152 Resp: 209411
 Ion Ratio Lower Upper
 152 100
 150 157.9 127.4 191.2
 115 63.6 51.4 77.0



#2
 1,4-Dioxane
 Concen: 4.307 ng
 RT: 2.499 min Scan# 52
 Delta R.T. 0.006 min
 Lab File: BF144477.D
 Acq: 15 Dec 2025 16:37

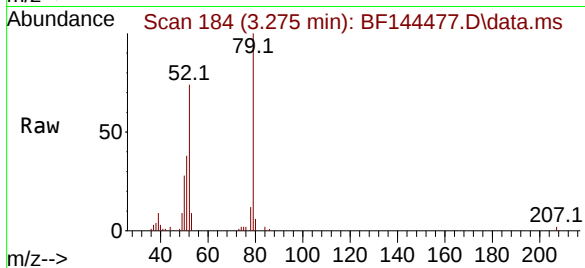
Tgt Ion: 88 Resp: 28763
 Ion Ratio Lower Upper
 88 100
 58 77.7 63.9 95.9
 43 29.1 24.2 36.4



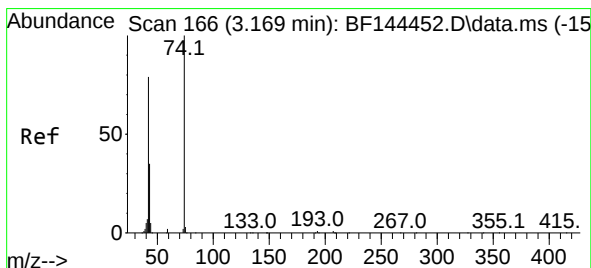
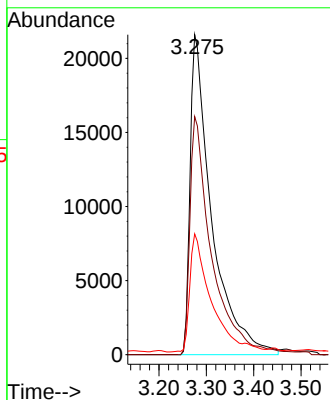
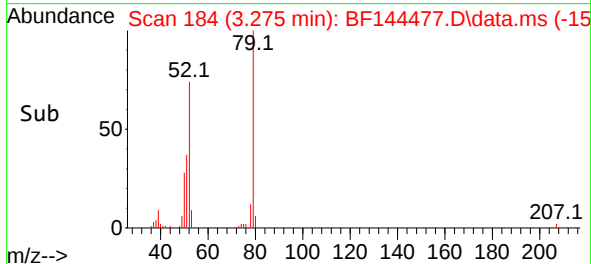


#3
Pyridine
Concen: 3.712 ng
RT: 3.275 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

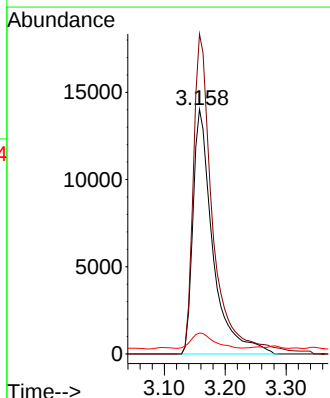
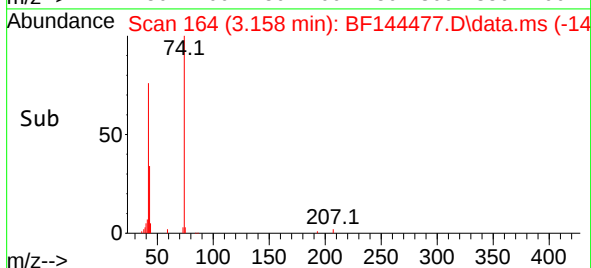
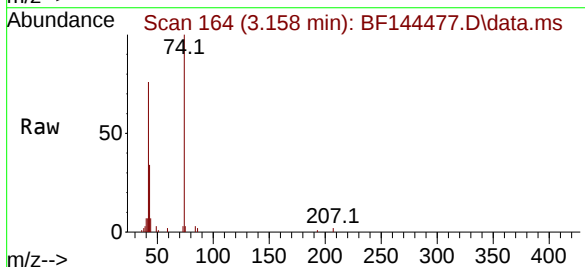


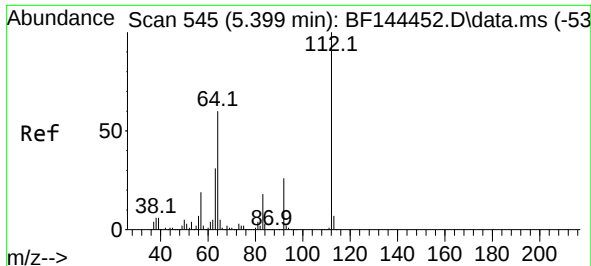
Tgt Ion: 79 Resp: 68161
Ion Ratio Lower Upper
79 100
52 74.4 60.5 90.7
51 37.8 29.0 43.6



#4
n-Nitrosodimethylamine
Concen: 3.968 ng
RT: 3.158 min Scan# 164
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 42 Resp: 31669
Ion Ratio Lower Upper
42 100
74 130.8 101.8 152.8
44 8.6 5.7 8.5

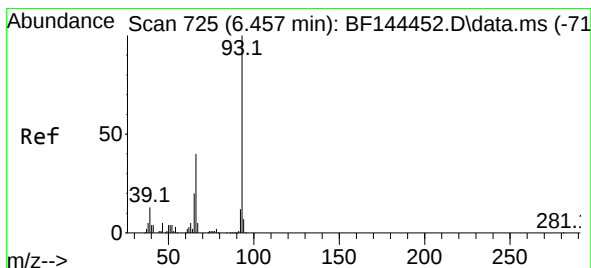
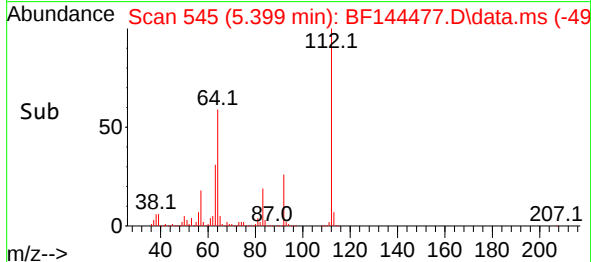
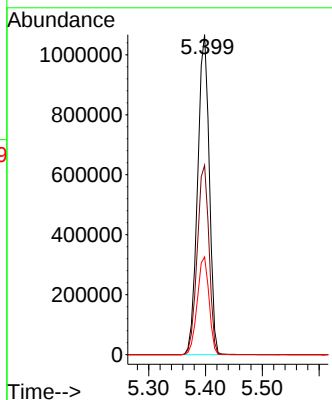
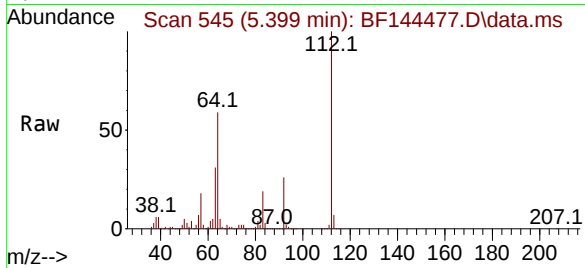




#5
2-Fluorophenol
Concen: 109.659 ng
RT: 5.399 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

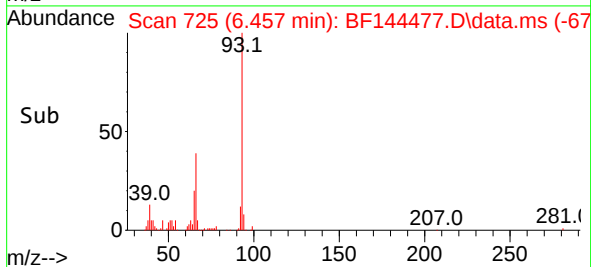
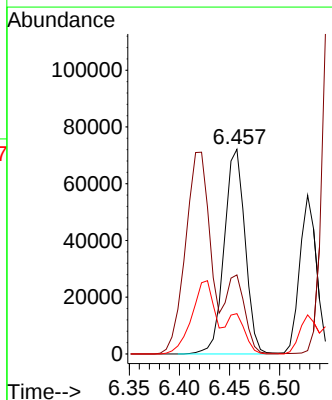
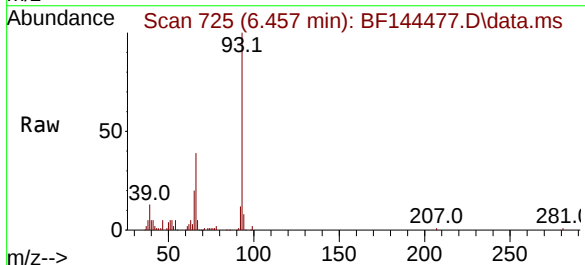
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

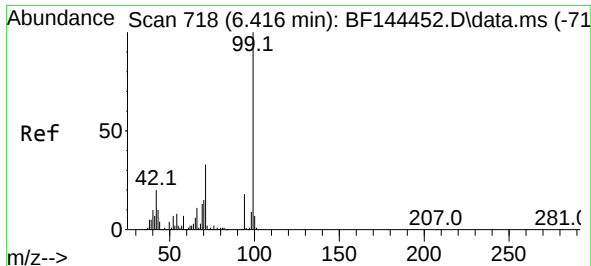
Tgt Ion:112 Resp: 1522995
Ion Ratio Lower Upper
112 100
64 59.2 47.8 71.6
63 30.6 24.6 37.0



#6
Aniline
Concen: 4.311 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 93 Resp: 104168
Ion Ratio Lower Upper
93 100
66 38.6 32.4 48.6
65 19.7 16.1 24.1



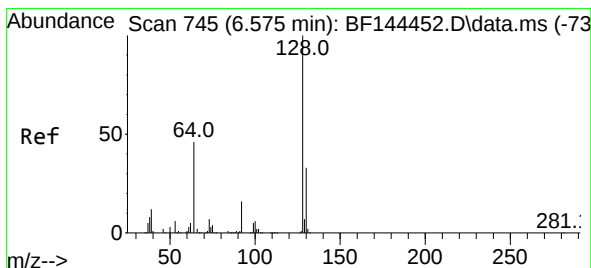
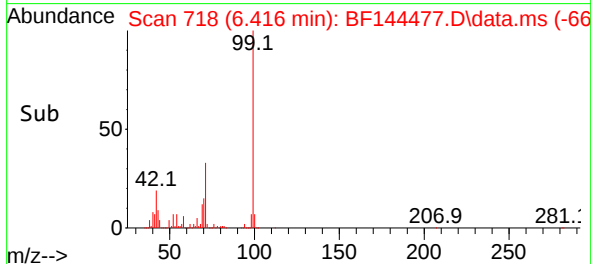
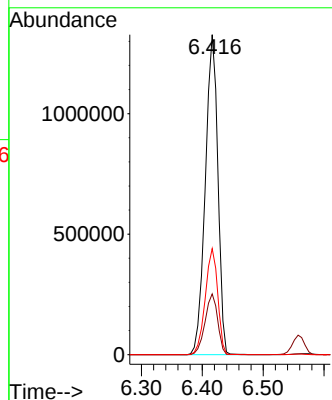
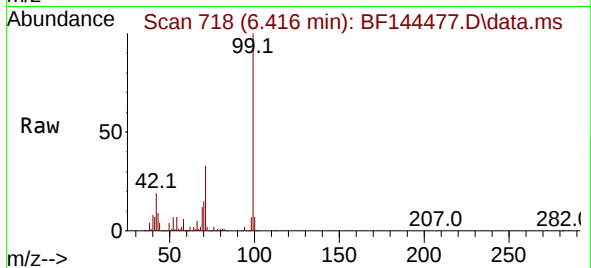


#7
Phenol-d6
Concen: 110.081 ng
RT: 6.416 min Scan# 718
Delta R.T. 0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

Tgt Ion: 99 Resp: 1906970

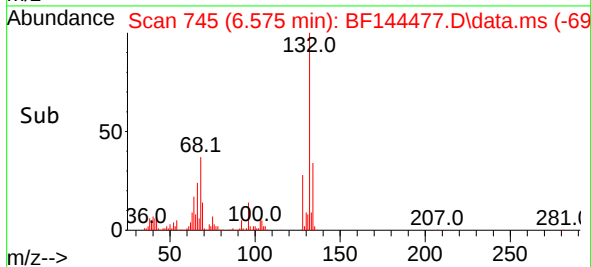
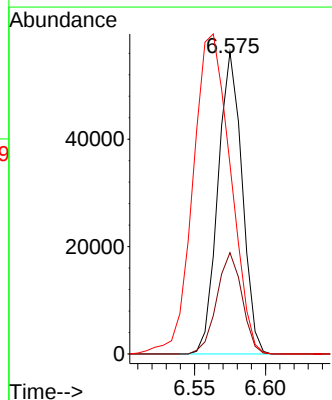
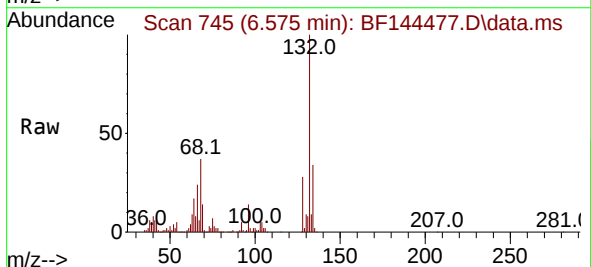
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.7	23.5
71	33.2	26.4	39.6

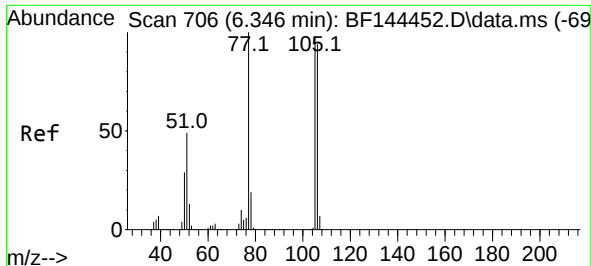


#8
2-Chlorophenol
Concen: 4.467 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 128 Resp: 66511

Ion	Ratio	Lower	Upper
128	100		
130	33.6	13.0	53.0
64	62.9	28.9	68.9

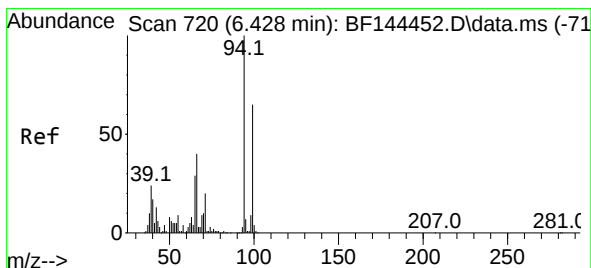
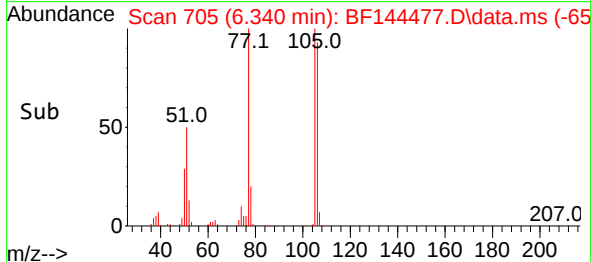
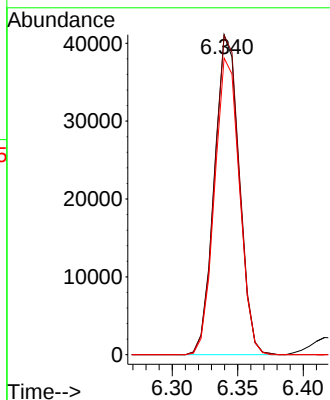
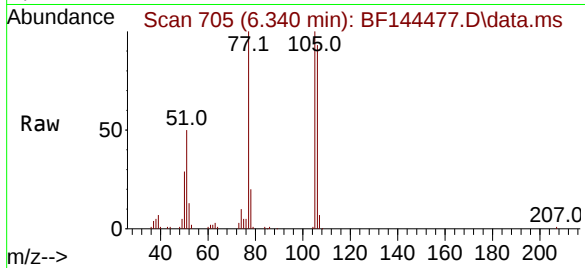




#9
Benzaldehyde
Concen: 3.971 ng
RT: 6.340 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

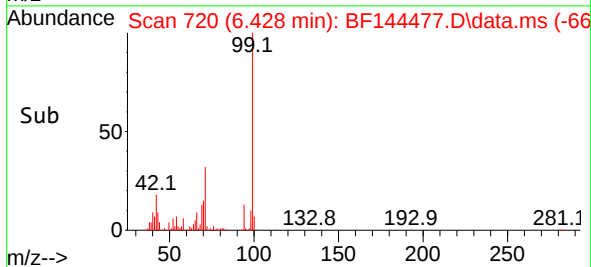
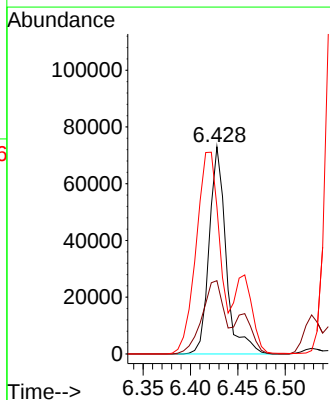
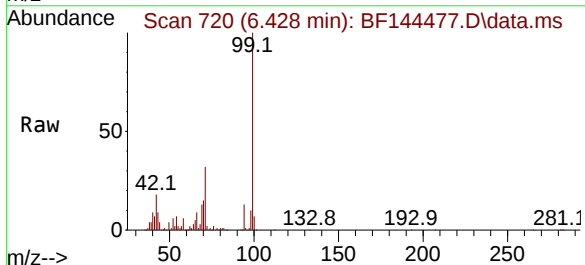
Instrument :
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ClientSampleId :
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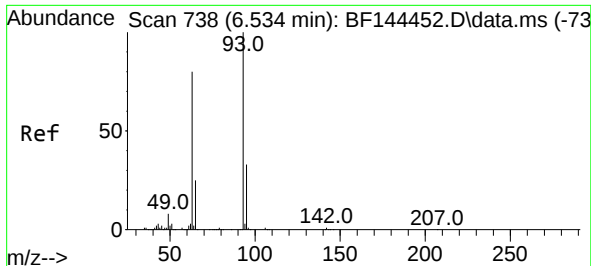
Tgt Ion: 77 Resp: 53853
Ion Ratio Lower Upper
77 100
105 99.7 77.0 117.0
106 92.7 74.1 114.1



#10
Phenol
Concen: 4.405 ng
RT: 6.428 min Scan# 720
Delta R.T. 0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 94 Resp: 90067
Ion Ratio Lower Upper
94 100
65 35.4 9.1 49.1
66 70.9 20.3 60.3

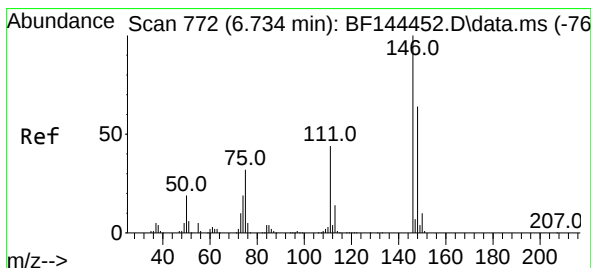
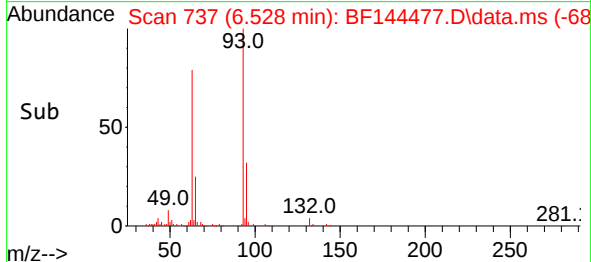
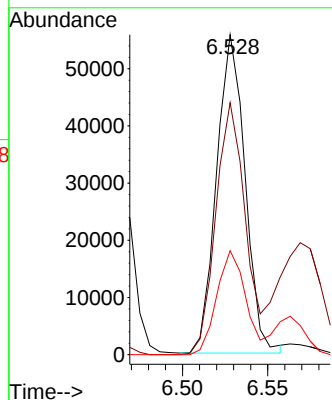
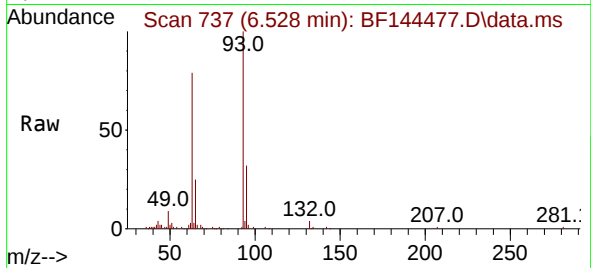




#11
bis(2-Chloroethyl)ether
Concen: 4.333 ng
RT: 6.528 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

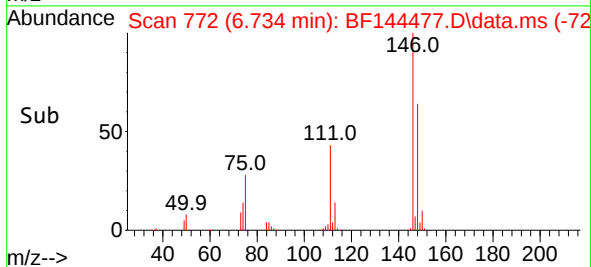
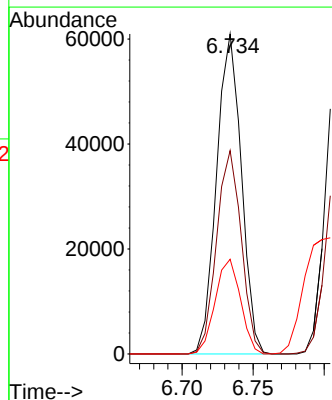
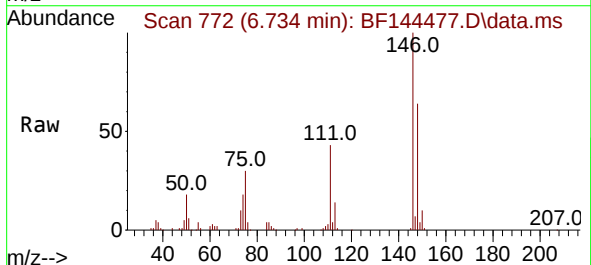
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

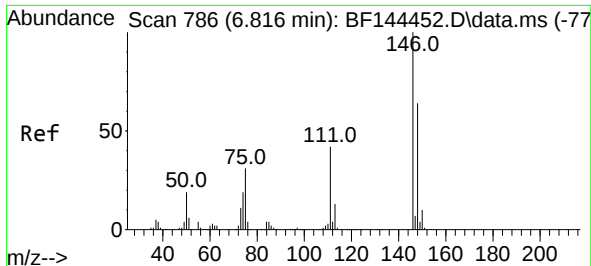
Tgt Ion: 93 Resp: 64748
Ion Ratio Lower Upper
93 100
63 78.8 59.8 99.8
95 32.5 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 4.601 ng
RT: 6.734 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:146 Resp: 74014
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.6
75 29.6 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 4.585 ng

RT: 6.810 min Scan# 786

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

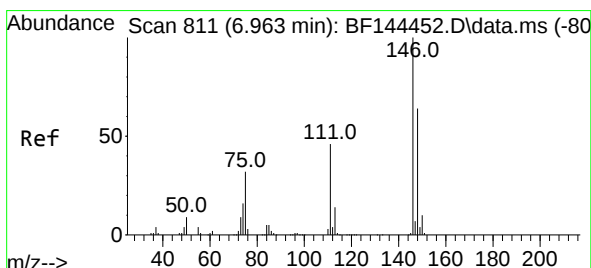
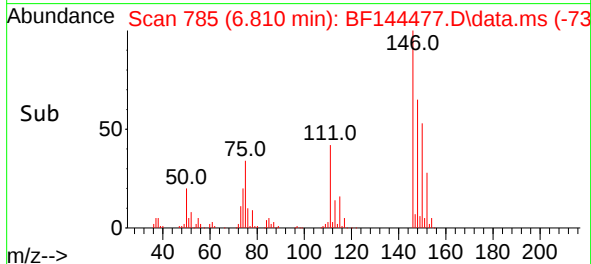
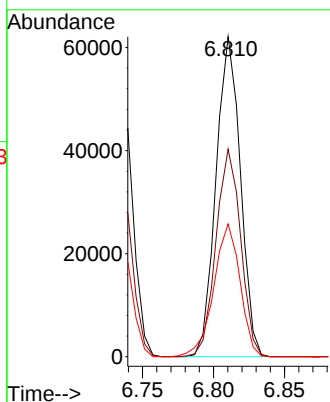
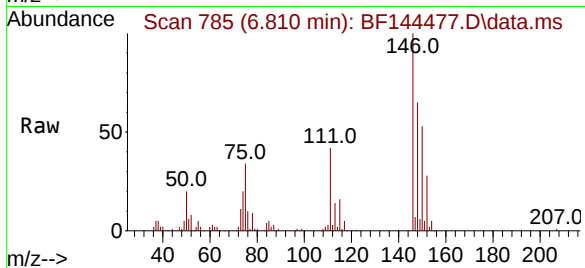
Tgt Ion:146 Resp: 74010

Ion Ratio Lower Upper

146 100

148 64.9 51.4 77.2

111 41.5 33.8 50.8



#14

1,2-Dichlorobenzene

Concen: 4.652 ng

RT: 6.963 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

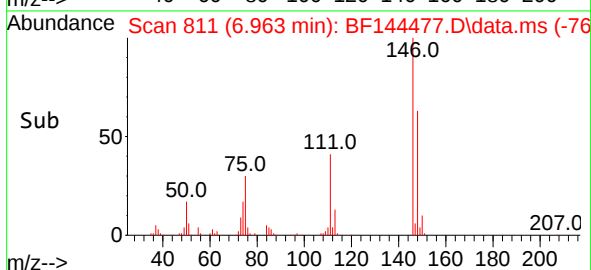
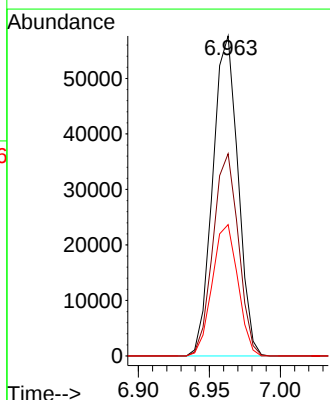
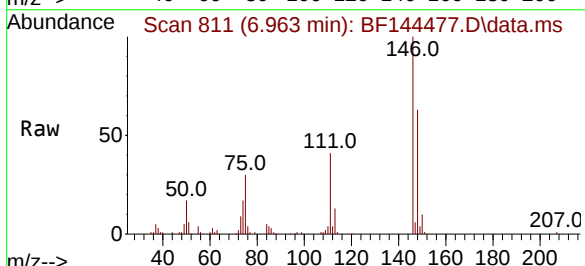
Tgt Ion:146 Resp: 71314

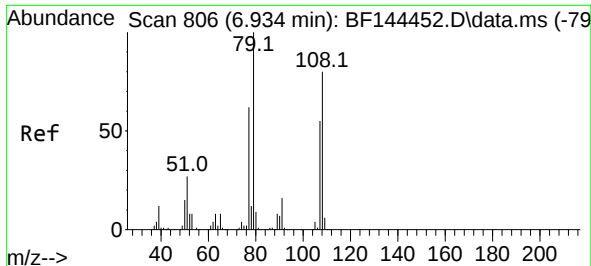
Ion Ratio Lower Upper

146 100

148 63.2 51.4 77.2

111 41.0 36.5 54.7

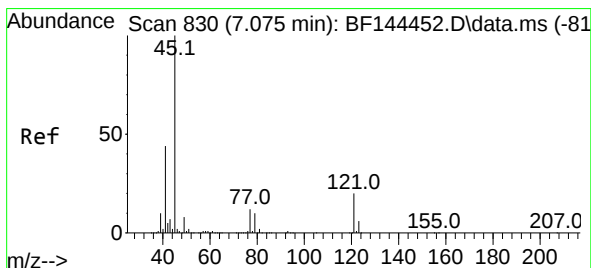
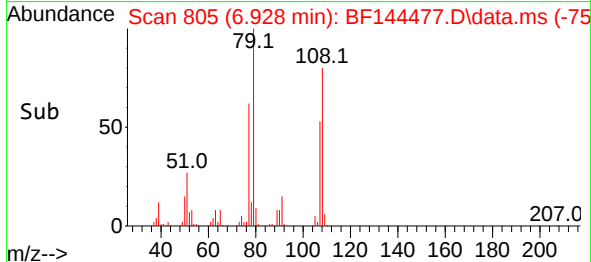
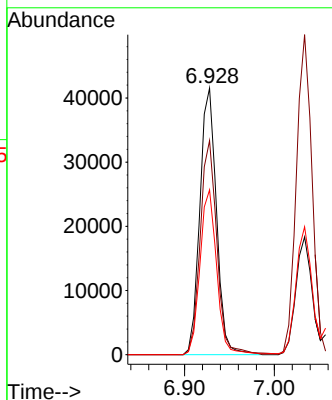
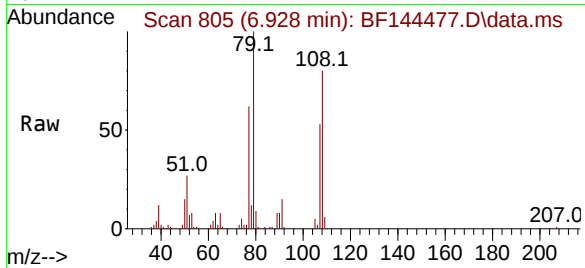




#15
Benzyl Alcohol
Concen: 4.203 ng
RT: 6.928 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

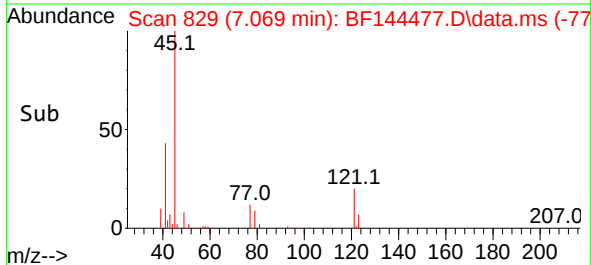
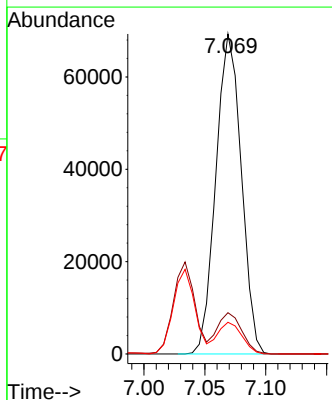
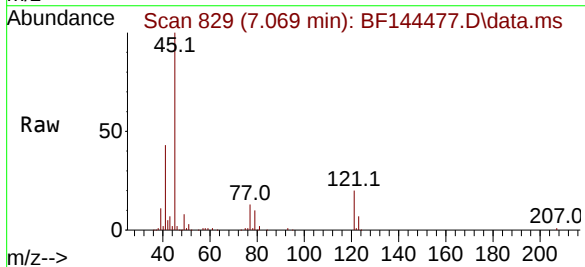
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

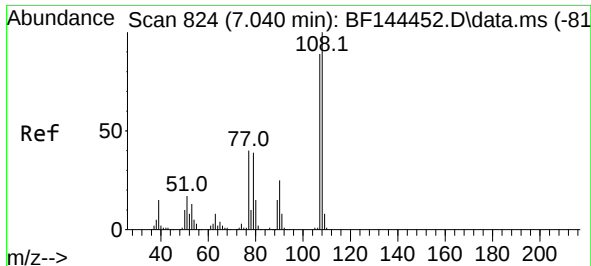
Tgt Ion: 79 Resp: 53663
Ion Ratio Lower Upper
79 100
108 80.3 63.7 95.5
77 61.9 49.3 73.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 3.985 ng
RT: 7.069 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 45 Resp: 100512
Ion Ratio Lower Upper
45 100
77 12.9 0.0 32.6
79 9.9 0.0 29.9

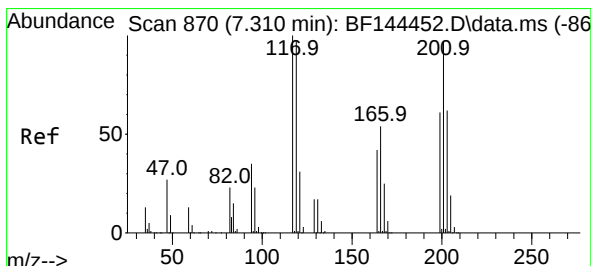
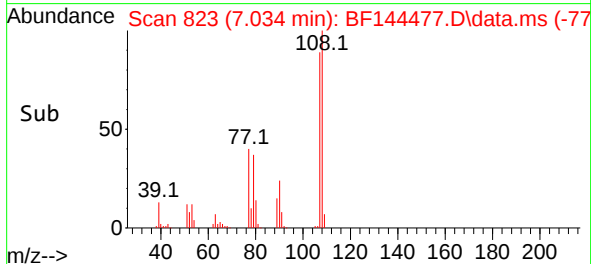
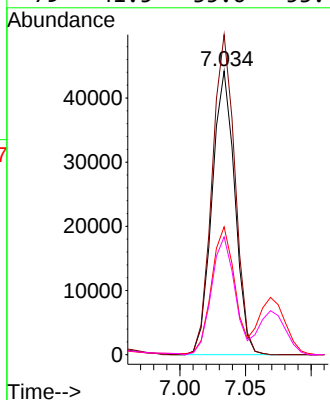
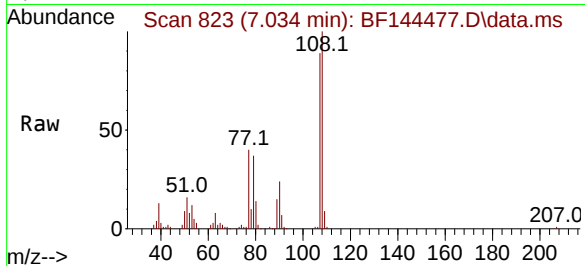




#17
2-Methylphenol
Concen: 4.247 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

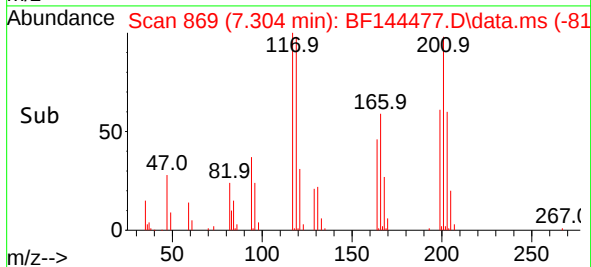
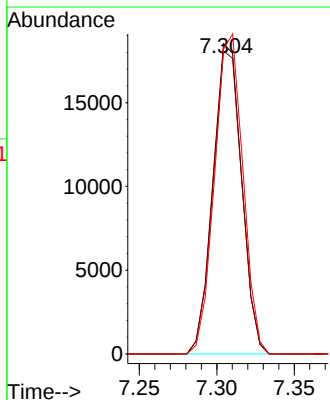
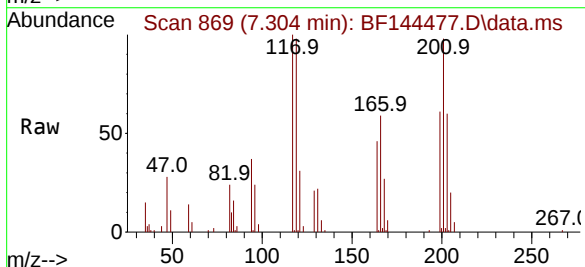
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

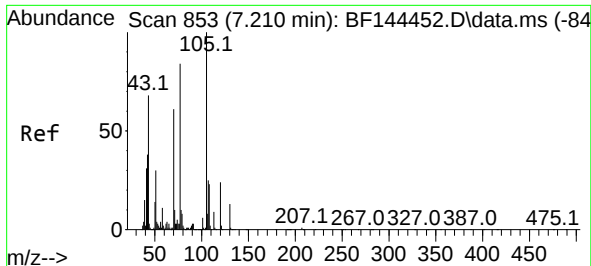
Tgt Ion:	107	Resp:	53304
Ion	Ratio	Lower	Upper
107	100		
108	112.8	89.9	134.9
77	45.1	35.7	53.5
79	41.5	35.6	53.4



#18
Hexachloroethane
Concen: 4.240 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:	117	Resp:	23783
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.5	116.3
201	98.2	77.3	115.9

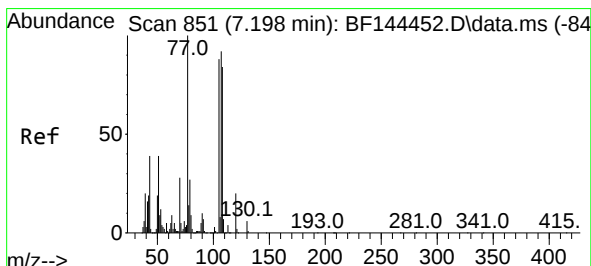
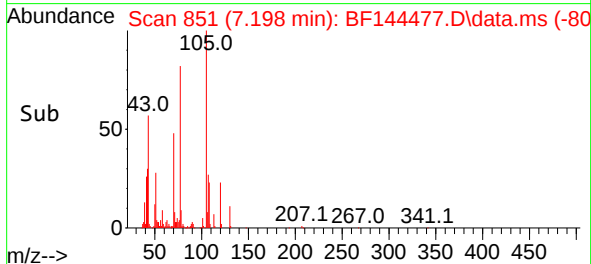
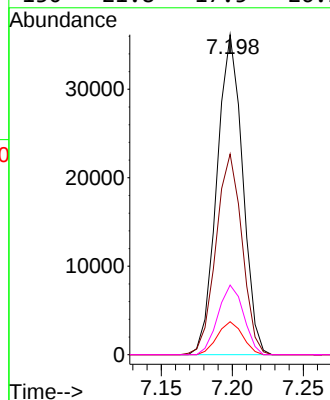
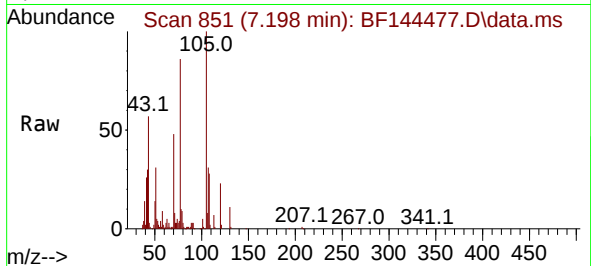




#19
n-Nitroso-di-n-propylamine
Concen: 4.151 ng
RT: 7.198 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

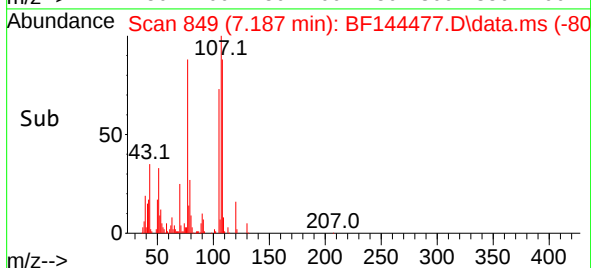
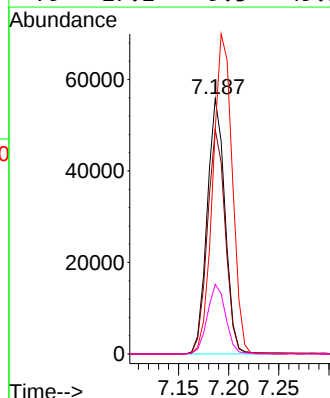
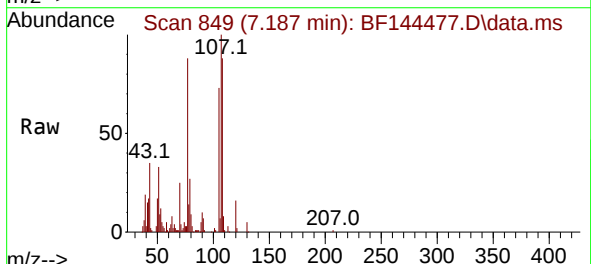
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

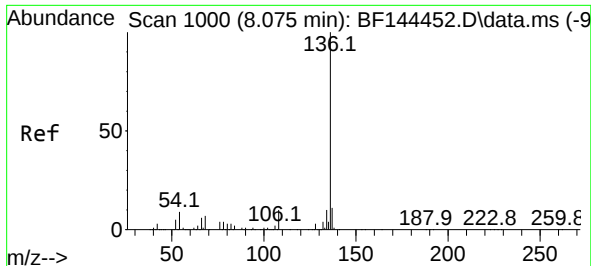
Tgt Ion:	70	Resp:	45423
Ion	Ratio	Lower	Upper
70	100		
42	62.7	49.4	74.0
101	10.3	7.8	11.6
130	21.8	17.5	26.3



#20
3+4-Methylphenols
Concen: 4.506 ng
RT: 7.187 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:	107	Resp:	69492
Ion	Ratio	Lower	Upper
107	100		
108	88.0	71.5	111.5
77	88.1	88.5	128.5#
79	27.2	9.3	49.3

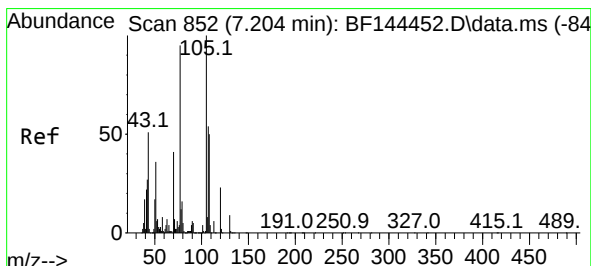
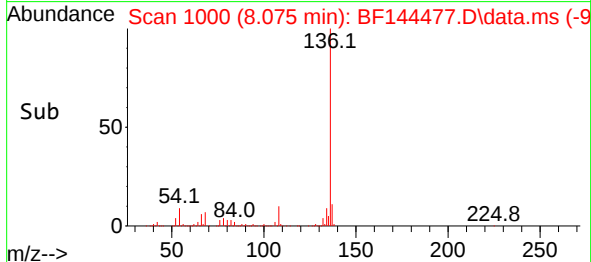
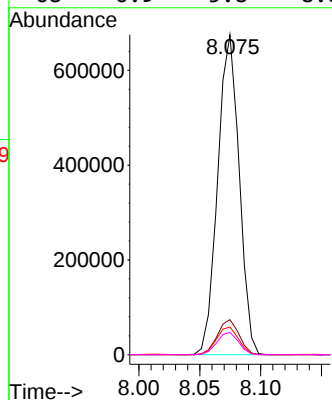
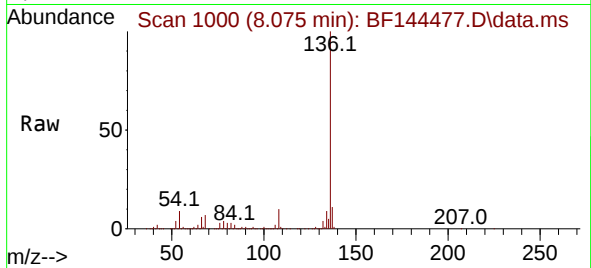




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

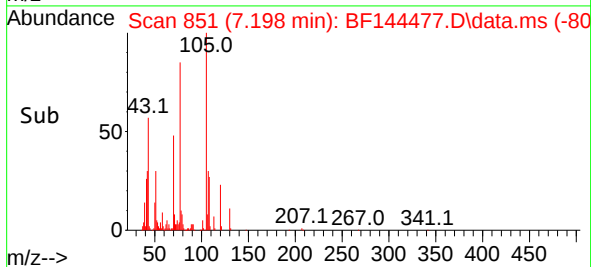
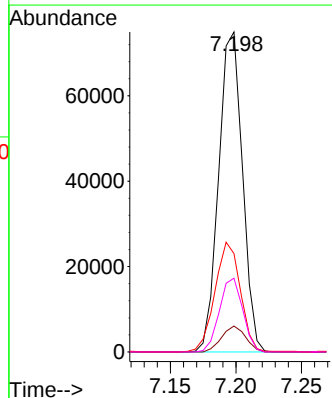
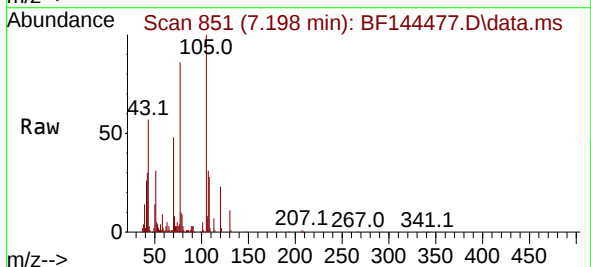
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

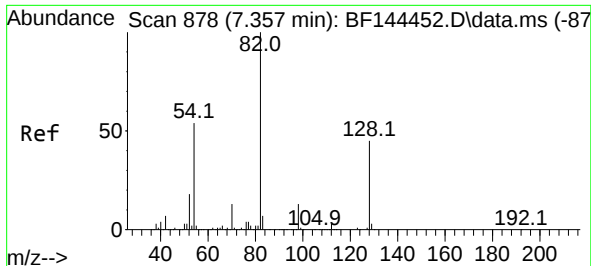
Tgt Ion:	136	Resp:	829624
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.7	7.5	11.3
68	6.9	5.8	8.8



#22
Acetophenone
Concen: 4.590 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:	105	Resp:	94450
Ion	Ratio	Lower	Upper
105	100		
71	8.1	5.6	8.4
51	30.8	28.6	42.8
120	23.1	18.6	27.8

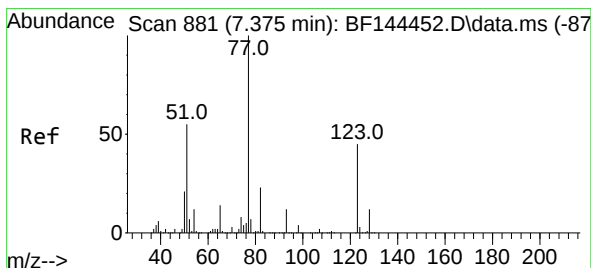
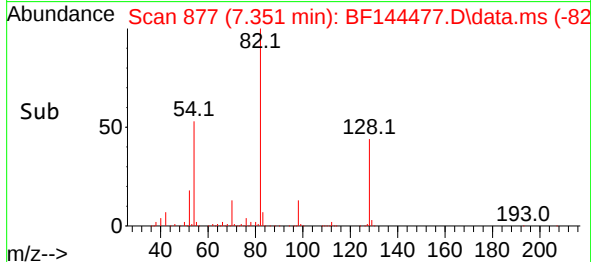
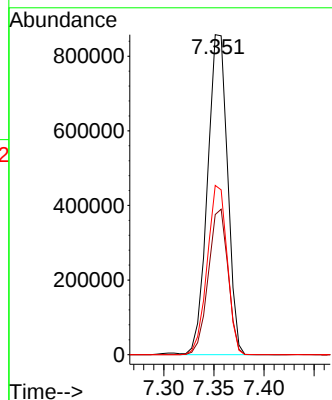
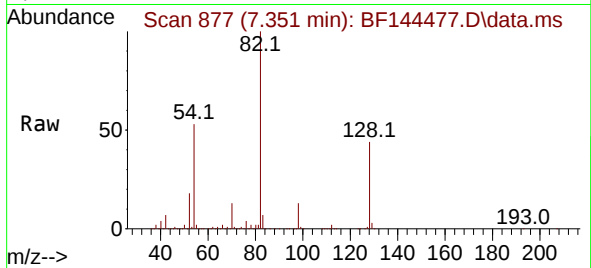




#23
Nitrobenzene-d5
Concen: 89.952 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

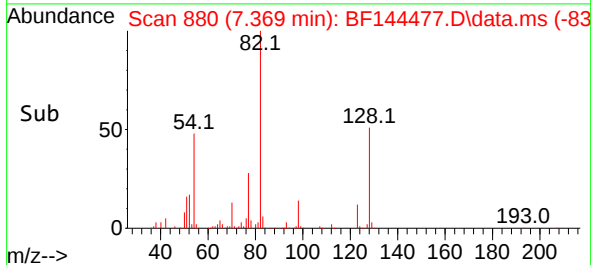
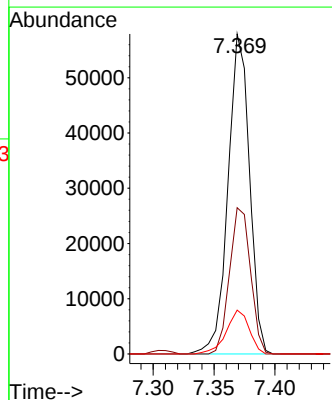
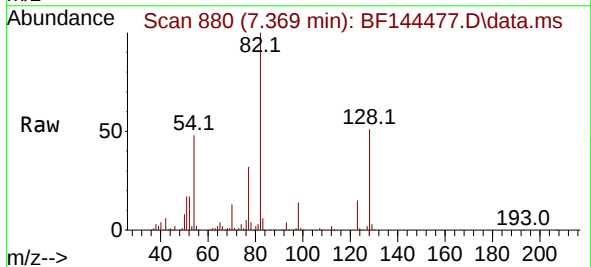
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

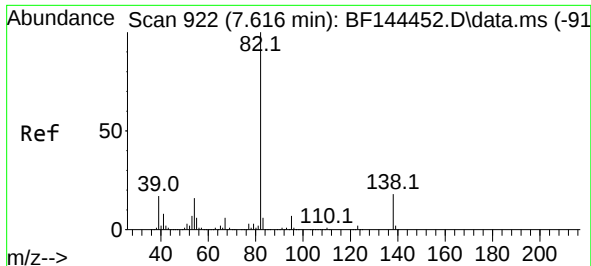
Tgt Ion: 82 Resp: 1192534
Ion Ratio Lower Upper
82 100
128 43.8 35.5 53.3
54 52.9 43.3 64.9



#24
Nitrobenzene
Concen: 4.944 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 77 Resp: 71104
Ion Ratio Lower Upper
77 100
123 45.7 36.2 54.2
65 13.7 11.0 16.6

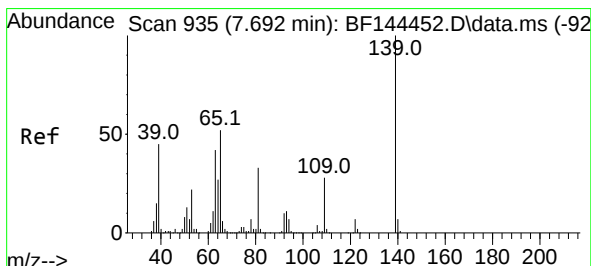
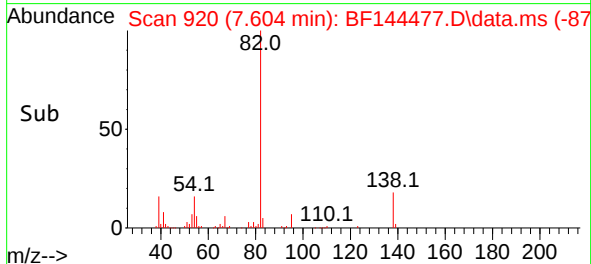
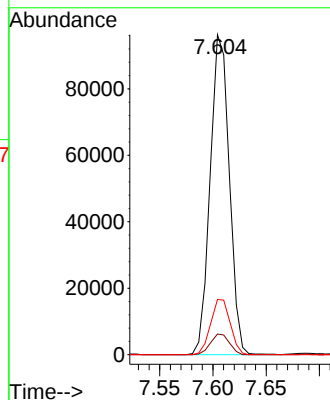
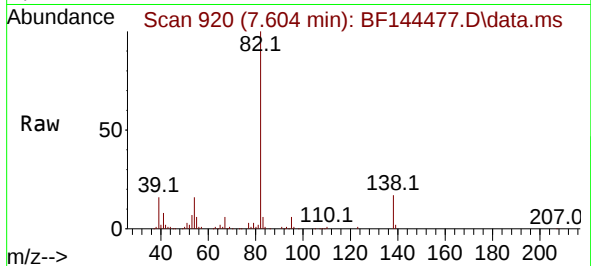




#25
Isophorone
Concen: 4.022 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

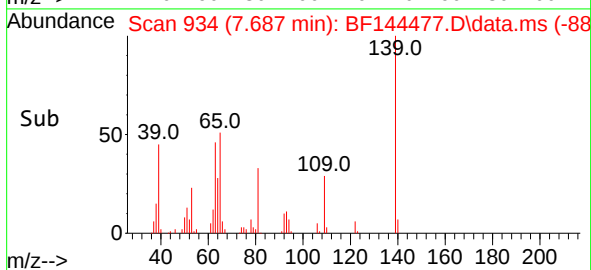
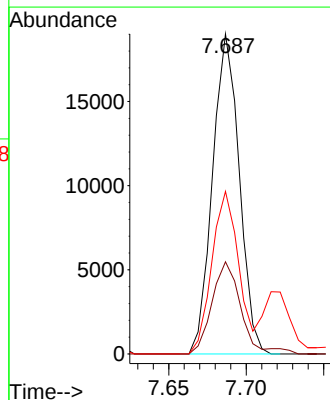
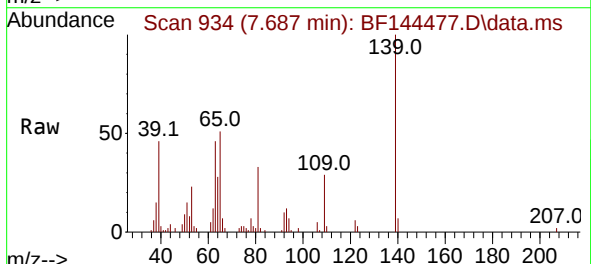
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

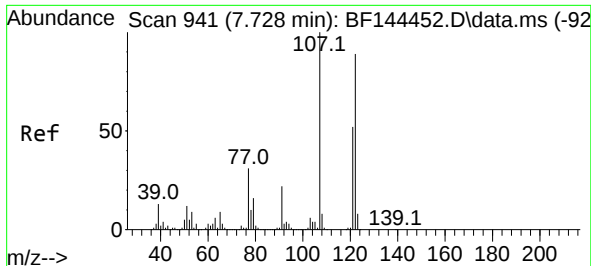
Tgt Ion: 82 Resp: 120333
Ion Ratio Lower Upper
82 100
95 6.5 5.4 8.2
138 17.2 14.4 21.6



#26
2-Nitrophenol
Concen: 7.364 ng
RT: 7.687 min Scan# 934
Delta R.T. -0.005 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 139 Resp: 22757
Ion Ratio Lower Upper
139 100
109 28.8 22.1 33.1
65 50.8 41.5 62.3

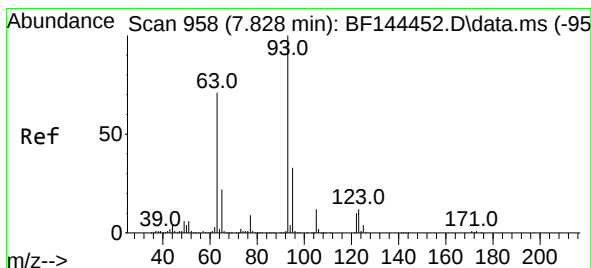
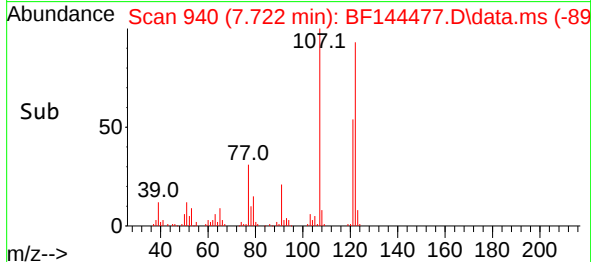
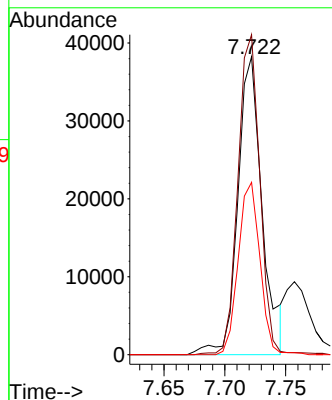
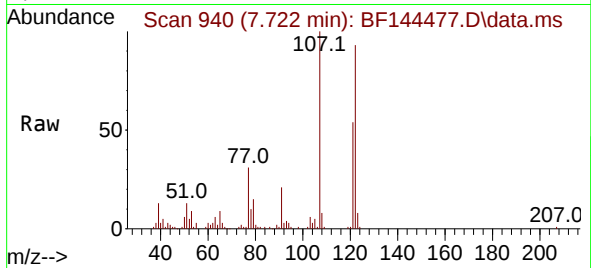




#27
2,4-Dimethylphenol
Concen: 3.723 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

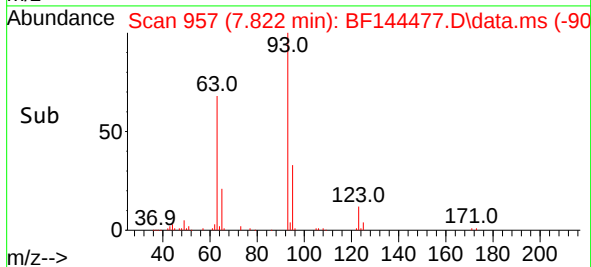
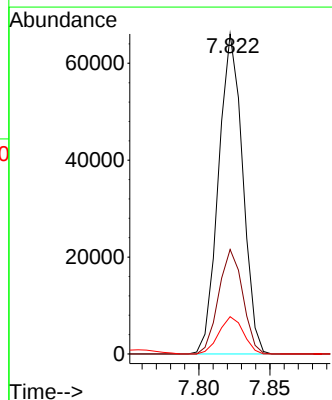
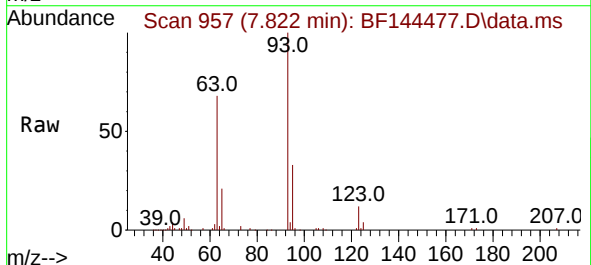
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

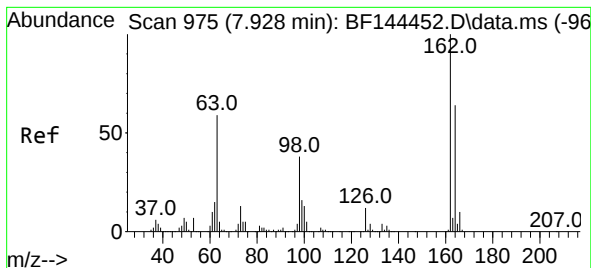
Tgt Ion:122 Resp: 53143
Ion Ratio Lower Upper
122 100
107 107.4 90.0 135.0
121 57.9 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 4.231 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion: 93 Resp: 78012
Ion Ratio Lower Upper
93 100
95 32.6 26.2 39.2
123 11.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 4.246 ng

RT: 7.922 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

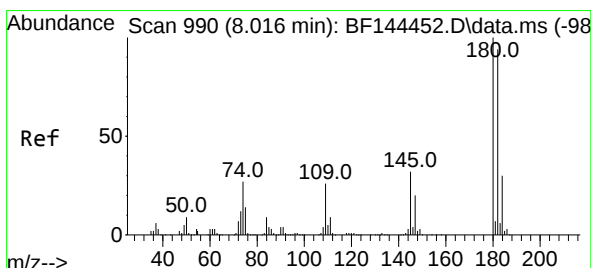
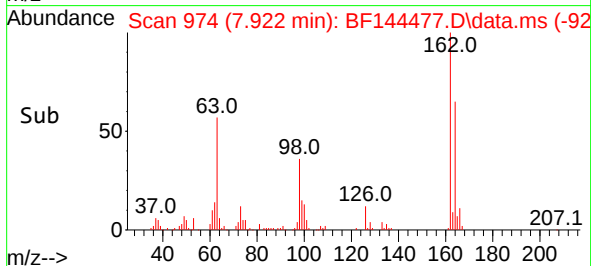
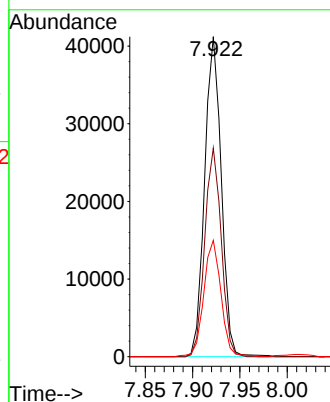
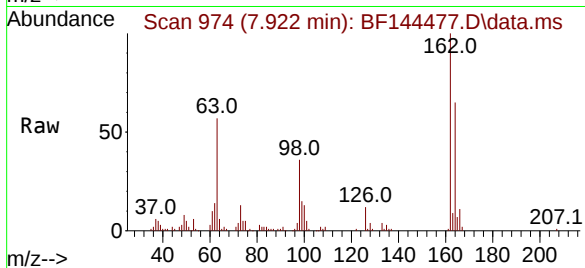
Tgt Ion:162 Resp: 50372

Ion Ratio Lower Upper

162 100

164 65.2 44.2 84.2

98 36.4 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 4.612 ng

RT: 8.016 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

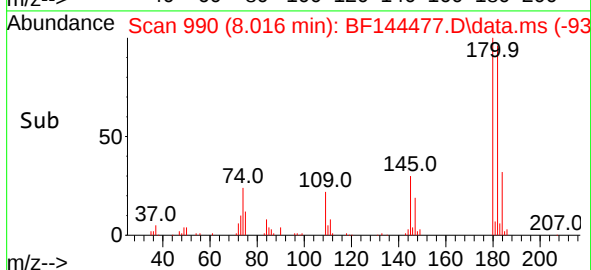
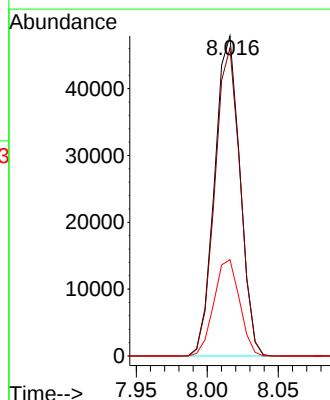
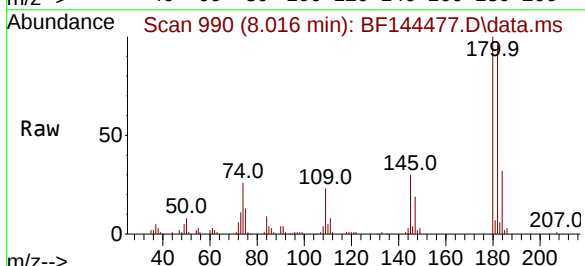
Tgt Ion:180 Resp: 59331

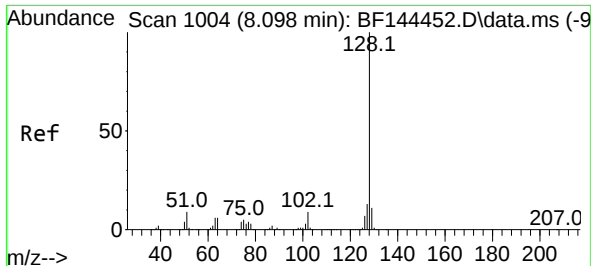
Ion Ratio Lower Upper

180 100

182 96.3 75.2 112.8

145 30.1 25.3 37.9

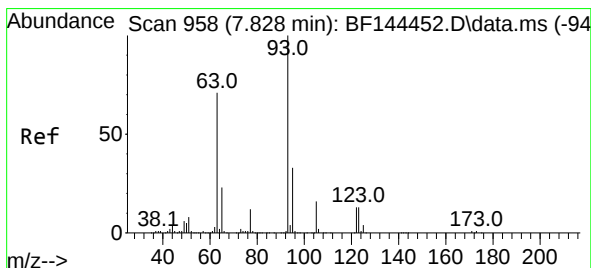
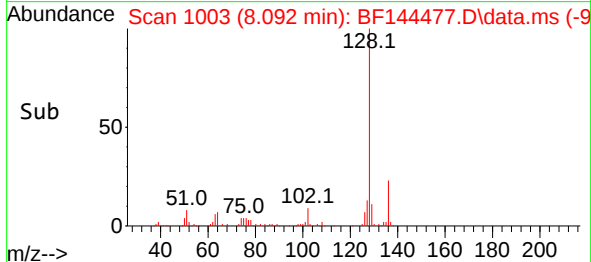
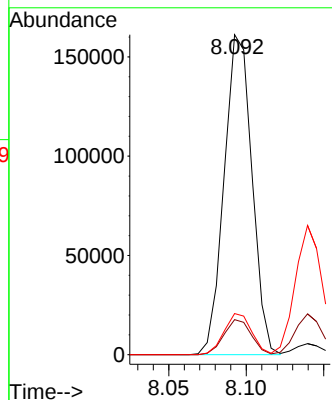
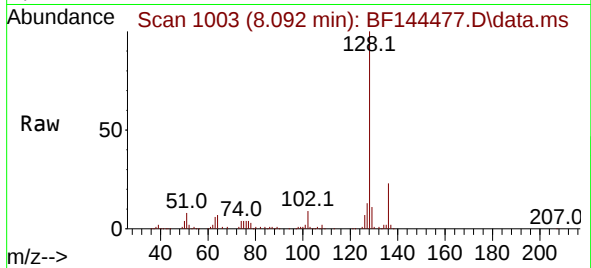




#31
Naphthalene
Concen: 4.508 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

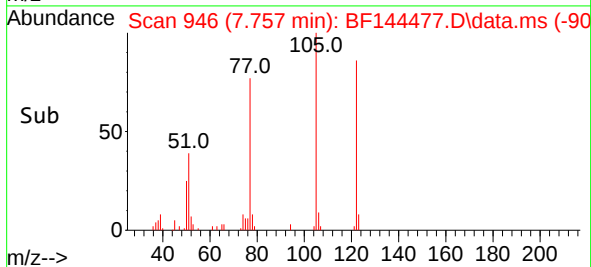
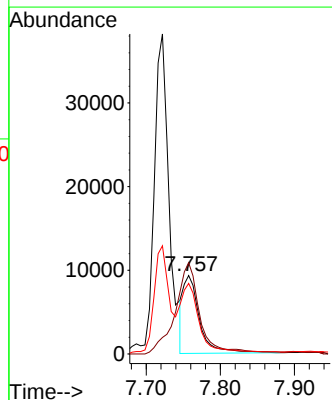
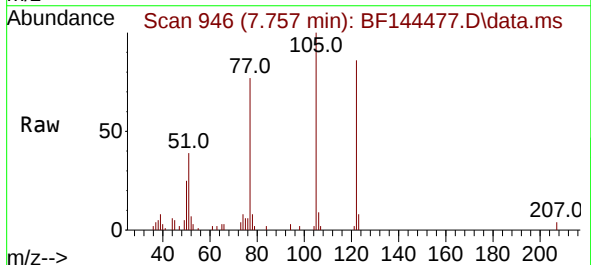
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

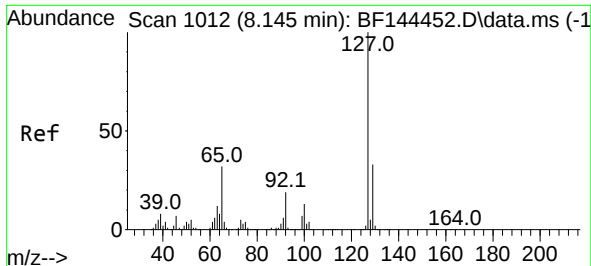
Tgt Ion:128 Resp: 201286
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 12.8 10.6 16.0



#32
Benzoic acid
Concen: 7.988 ng
RT: 7.757 min Scan# 946
Delta R.T. -0.071 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:122 Resp: 14321
Ion Ratio Lower Upper
122 100
105 116.3 103.2 143.2
77 89.9 75.1 115.1

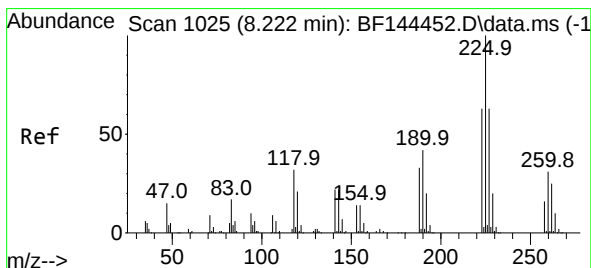
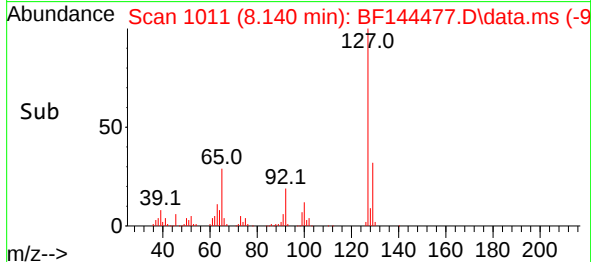
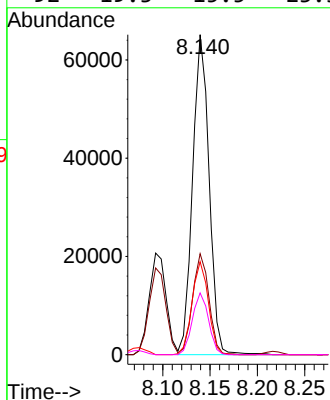
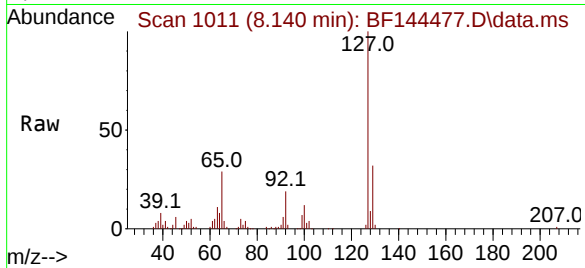




#33
4-Chloroaniline
Concen: 4.407 ng
RT: 8.140 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

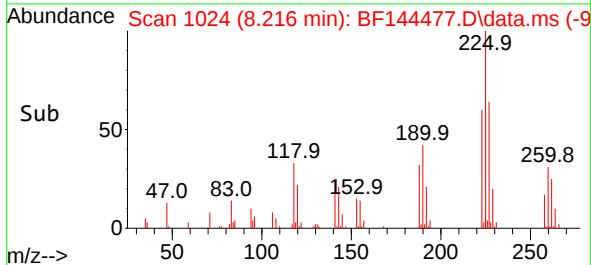
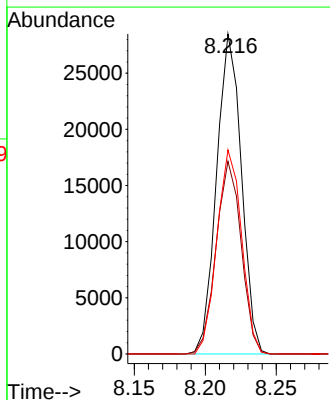
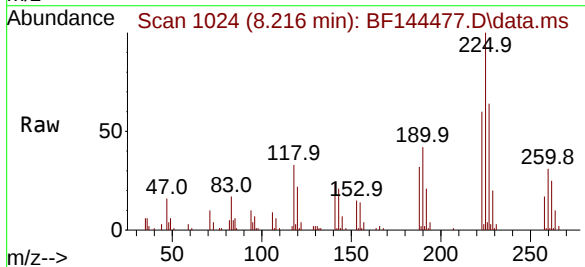
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

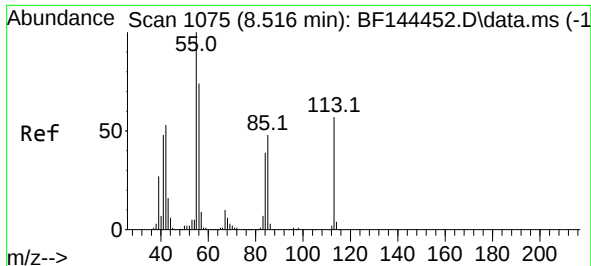
Tgt Ion:127	Resp:	79085
Ion Ratio	Lower	Upper
127	100	
129	31.6	26.2 39.4
65	29.1	25.8 38.8
92	19.3	15.5 23.3



#34
Hexachlorobutadiene
Concen: 4.354 ng
RT: 8.216 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:225	Resp:	34633
Ion Ratio	Lower	Upper
225	100	
223	60.2	50.1 75.1
227	63.7	50.3 75.5

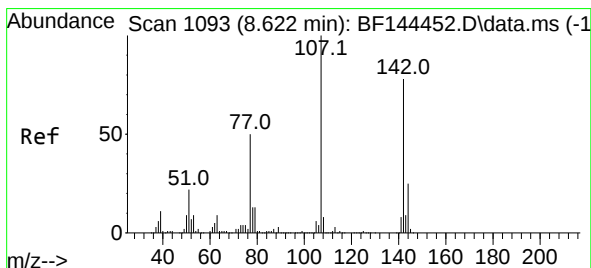
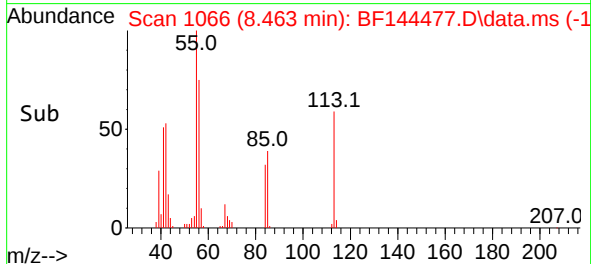
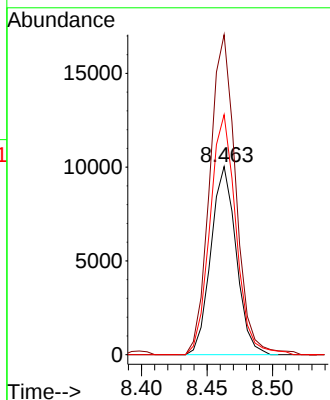
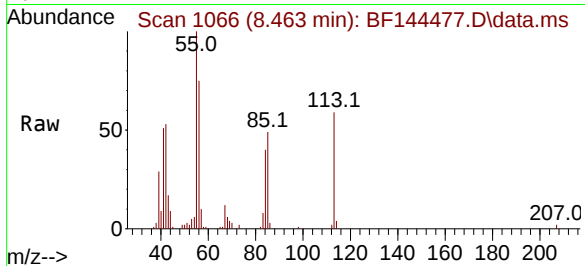




#35
 Caprolactam
 Concen: 3.429 ng
 RT: 8.463 min Scan# 1066
 Delta R.T. -0.053 min
 Lab File: BF144477.D
 Acq: 15 Dec 2025 16:37

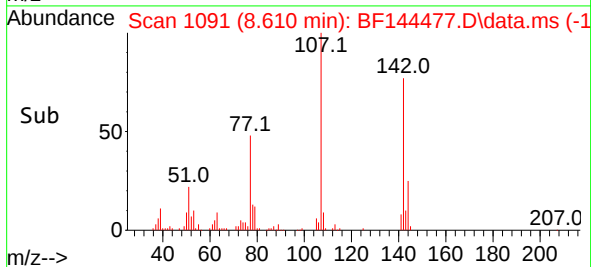
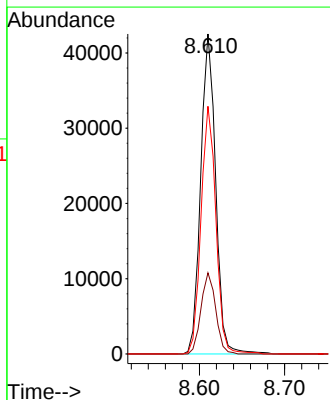
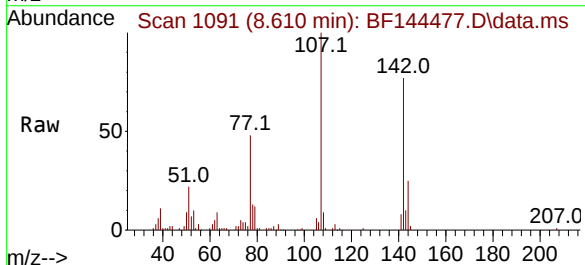
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

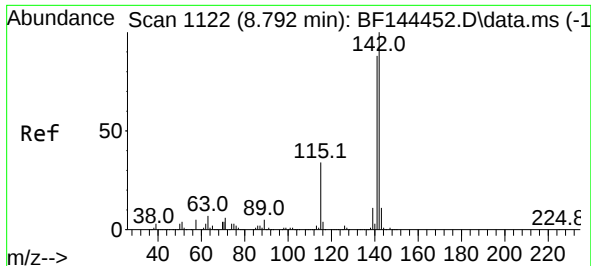
Tgt Ion:113 Resp: 13432
 Ion Ratio Lower Upper
 113 100
 55 170.1 154.5 194.5
 56 127.6 109.8 149.8



#36
 4-Chloro-3-methylphenol
 Concen: 4.028 ng
 RT: 8.610 min Scan# 1091
 Delta R.T. -0.012 min
 Lab File: BF144477.D
 Acq: 15 Dec 2025 16:37

Tgt Ion:107 Resp: 51864
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.4 30.6
 142 77.4 62.4 93.6





#37

2-Methylnaphthalene

Concen: 4.027 ng

RT: 8.787 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

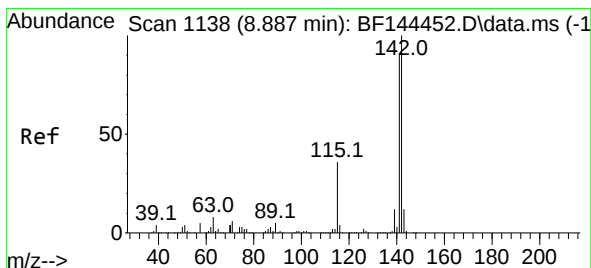
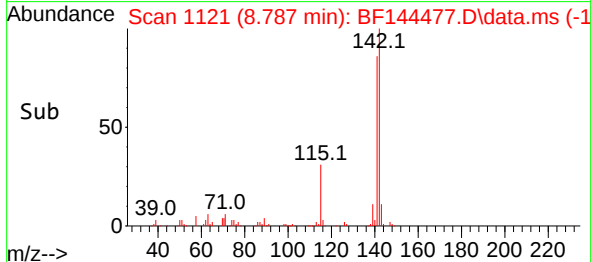
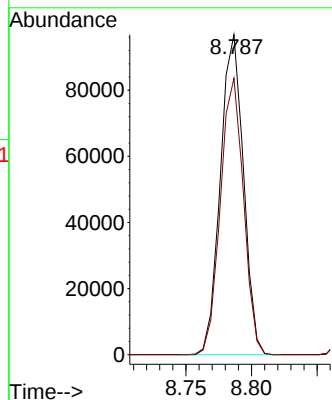
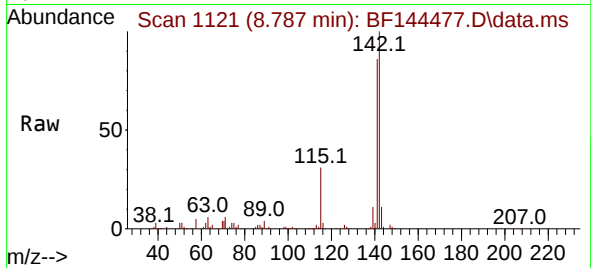
LOQ-SOIL-02-QT4-2025

Tgt Ion:142 Resp: 118304

Ion Ratio Lower Upper

142 100

141 86.4 70.0 105.0



#38

1-Methylnaphthalene

Concen: 4.216 ng

RT: 8.887 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF144477.D

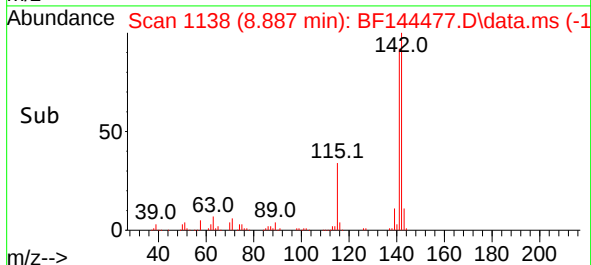
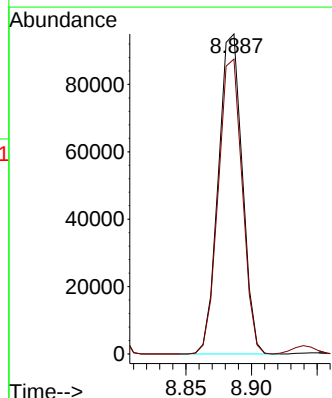
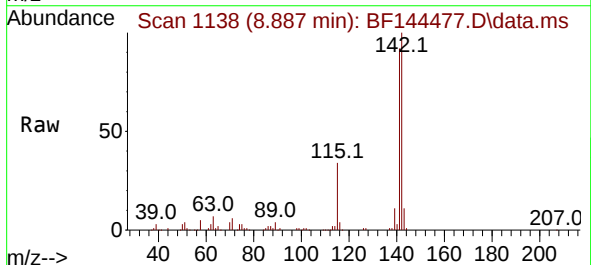
Acq: 15 Dec 2025 16:37

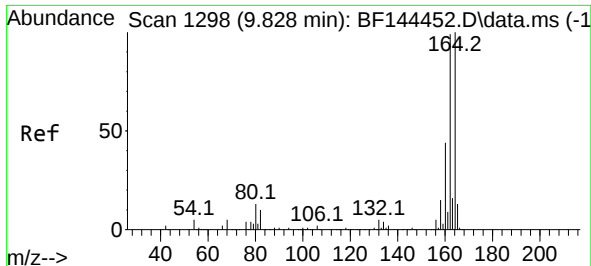
Tgt Ion:142 Resp: 120606

Ion Ratio Lower Upper

142 100

141 92.2 72.6 109.0

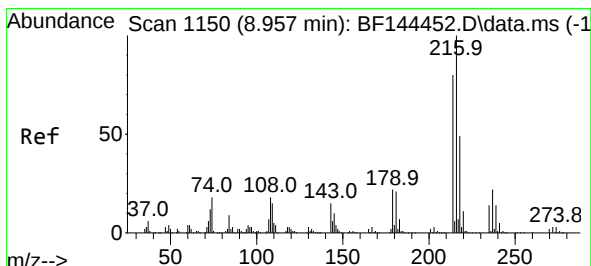
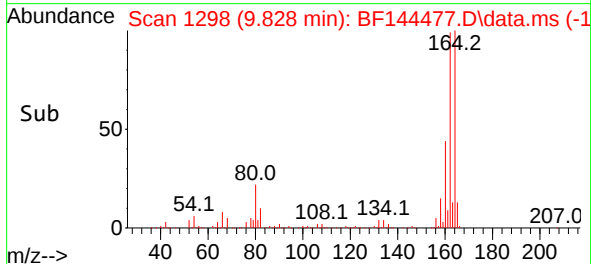
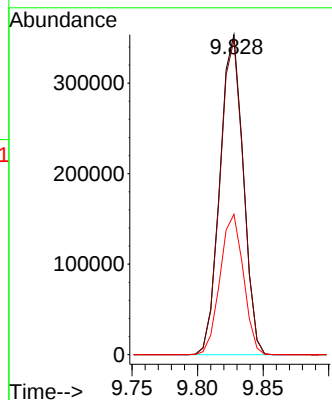
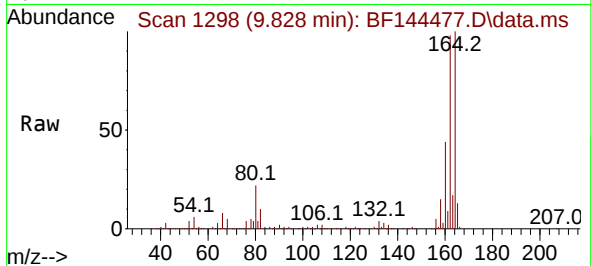




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1149
Delta R.T. -0.000 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

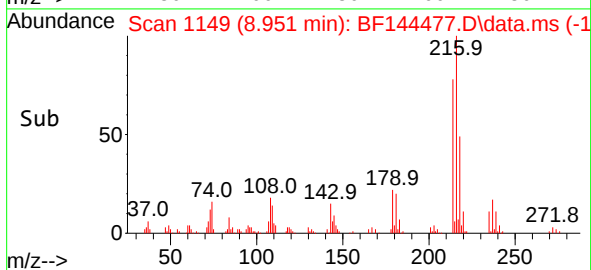
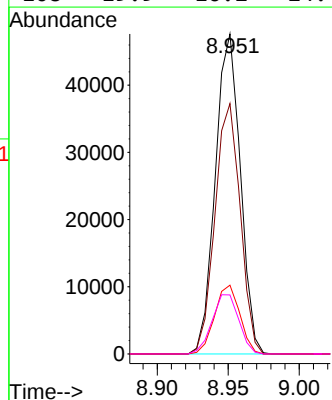
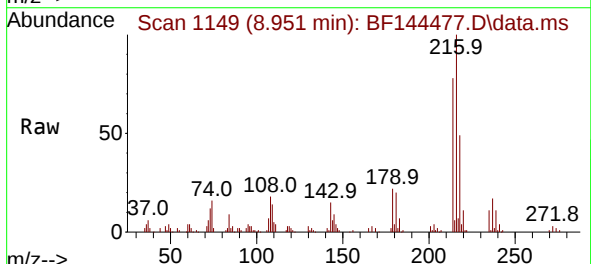
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

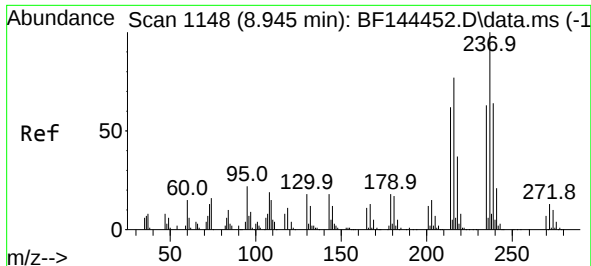
Tgt Ion:164 Resp: 437594
Ion Ratio Lower Upper
164 100
162 98.4 79.2 118.8
160 43.9 35.3 52.9



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.683 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:216 Resp: 58324
Ion Ratio Lower Upper
216 100
214 78.9 63.8 95.6
179 21.7 17.7 26.5
108 19.9 16.2 24.4

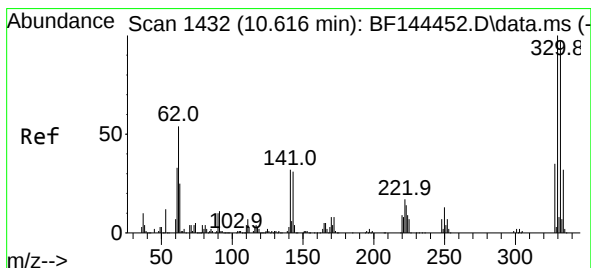
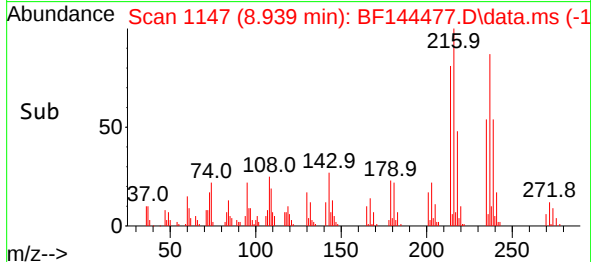
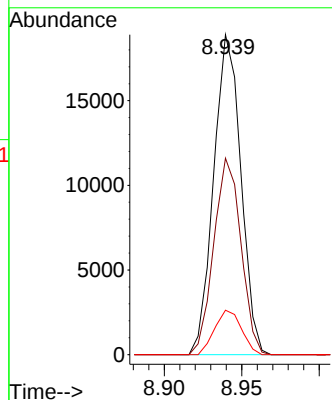
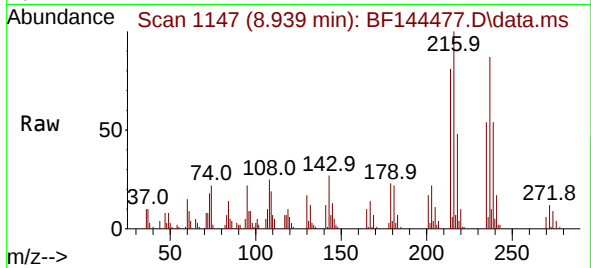




#41
Hexachlorocyclopentadiene
Concen: 3.128 ng
RT: 8.939 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

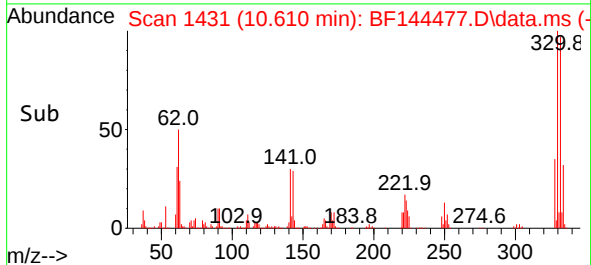
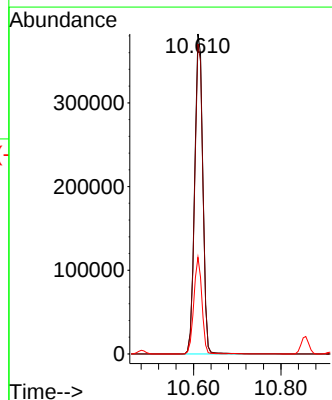
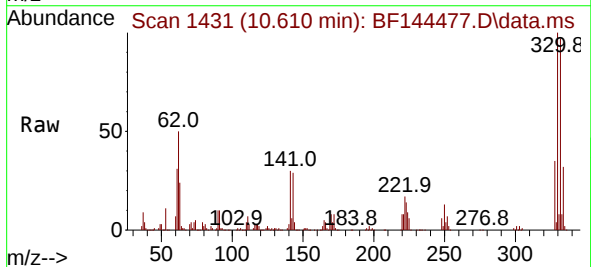
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

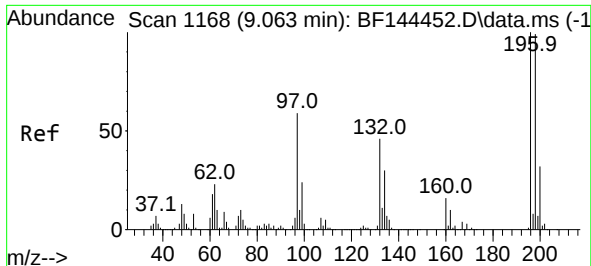
Tgt Ion:237 Resp: 23053
Ion Ratio Lower Upper
237 100
235 61.4 43.2 83.2
272 13.9 0.0 33.2



#42
2,4,6-Tribromophenol
Concen: 125.462 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:330 Resp: 496362
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 29.8 26.2 39.2

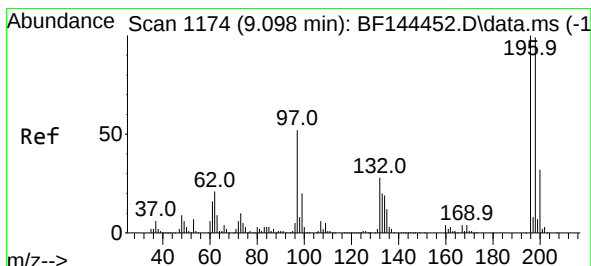
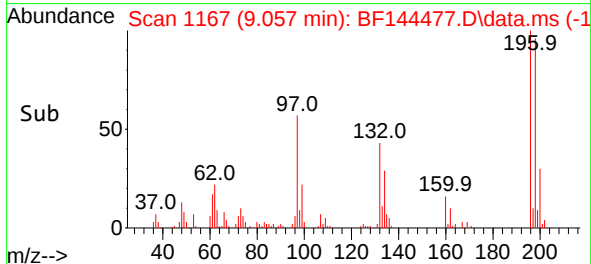
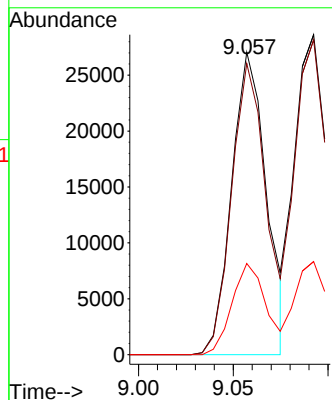
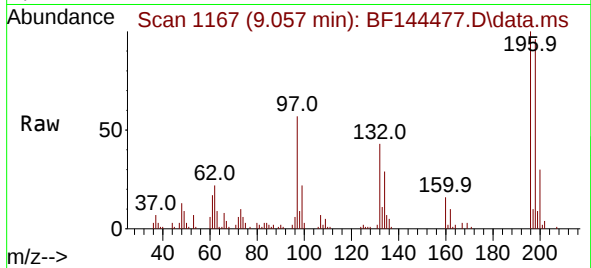




#43
2,4,6-Trichlorophenol
Concen: 4.380 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

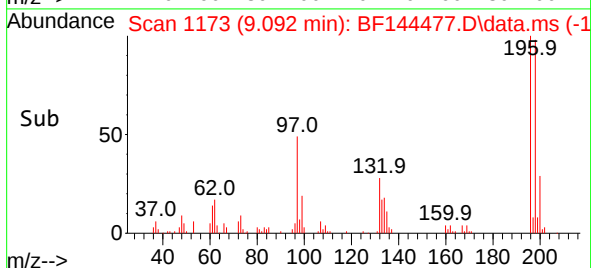
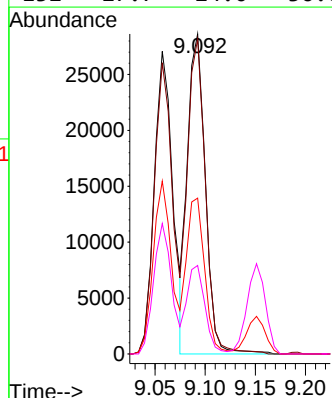
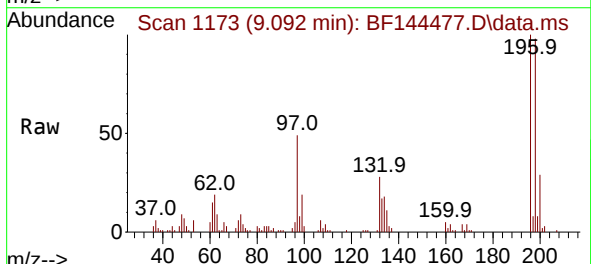
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

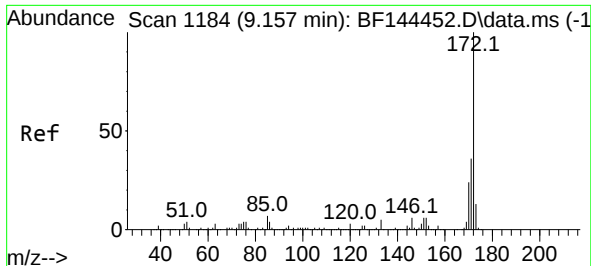
Tgt Ion:196 Resp: 34639
Ion Ratio Lower Upper
196 100
198 96.2 79.0 118.4
200 30.2 25.3 37.9



#44
2,4,5-Trichlorophenol
Concen: 4.274 ng
RT: 9.092 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:196 Resp: 35477
Ion Ratio Lower Upper
196 100
198 98.4 79.5 119.3
97 48.7 42.2 63.2
132 27.7 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 75.026 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

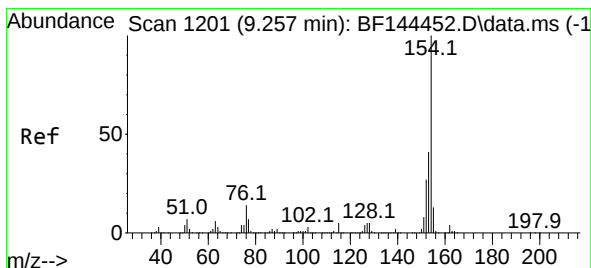
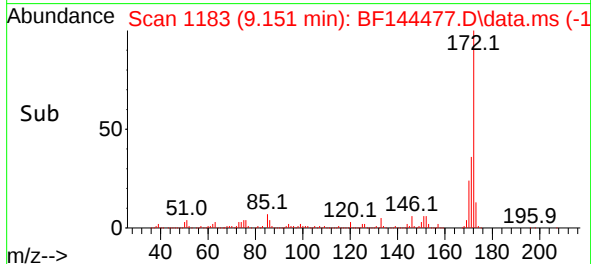
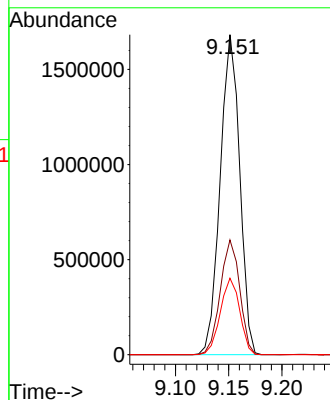
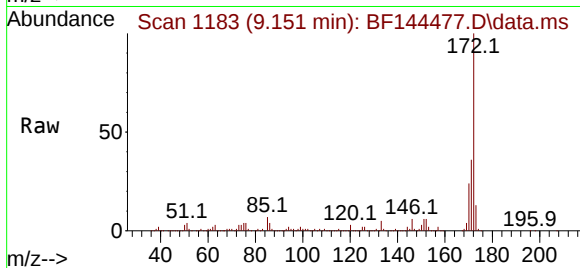
Tgt Ion:172 Resp: 2140113

Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.9 19.3 28.9



#46

1,1'-Biphenyl

Concen: 4.746 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

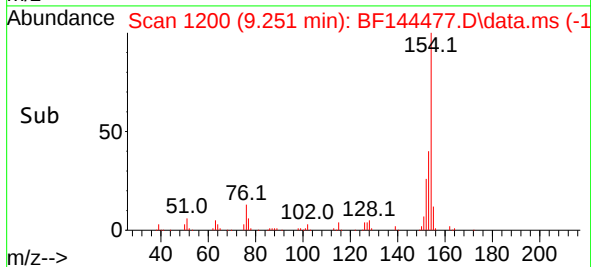
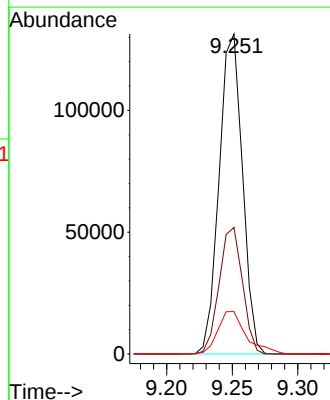
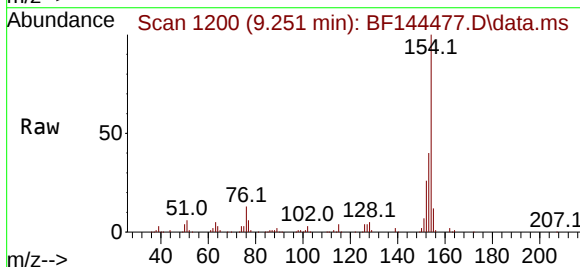
Tgt Ion:154 Resp: 162291

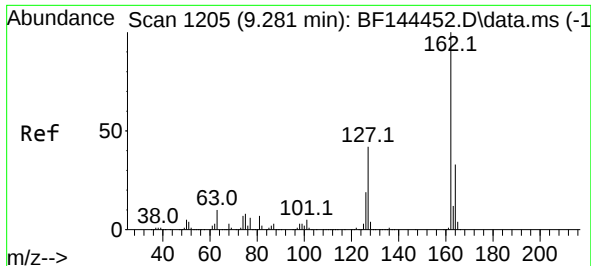
Ion Ratio Lower Upper

154 100

153 39.6 21.0 61.0

76 13.3 0.0 33.8





#47

2-Chloronaphthalene

Concen: 4.539 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

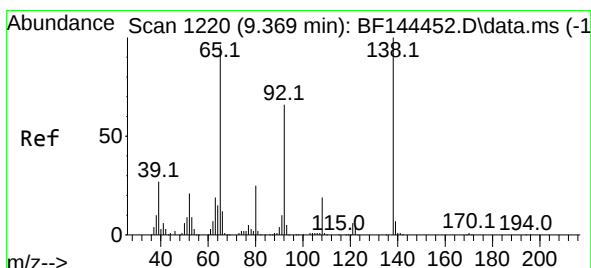
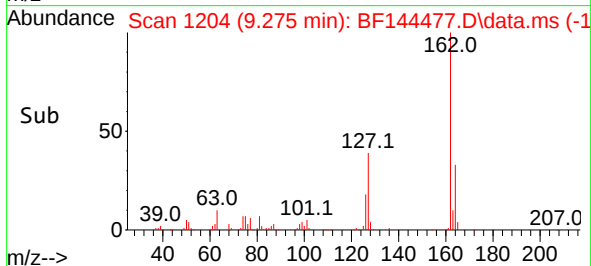
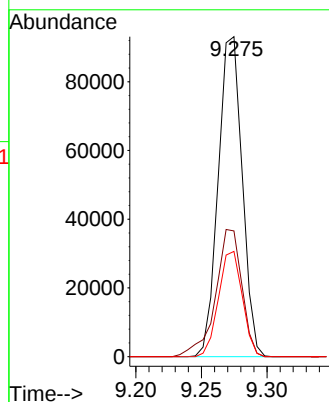
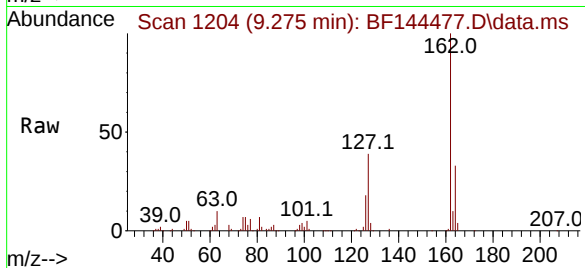
Tgt Ion:162 Resp: 118509

Ion Ratio Lower Upper

162 100

127 39.3 33.6 50.4

164 32.9 26.6 39.8



#48

2-Nitroaniline

Concen: 6.765 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

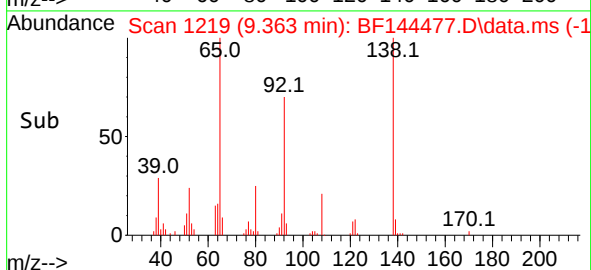
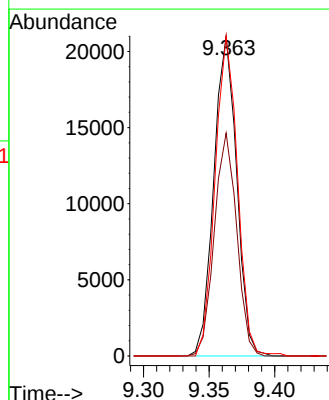
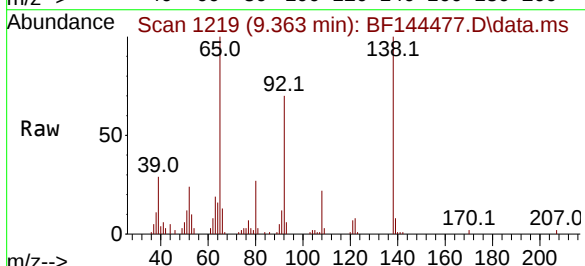
Tgt Ion: 65 Resp: 25376

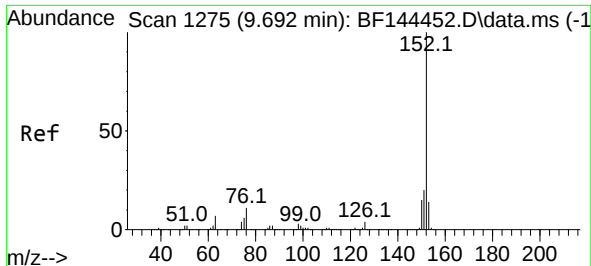
Ion Ratio Lower Upper

65 100

92 69.8 55.0 82.4

138 100.2 83.4 125.2

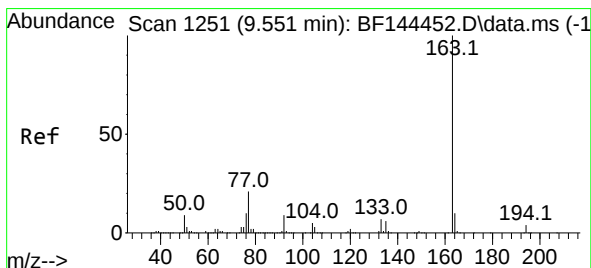
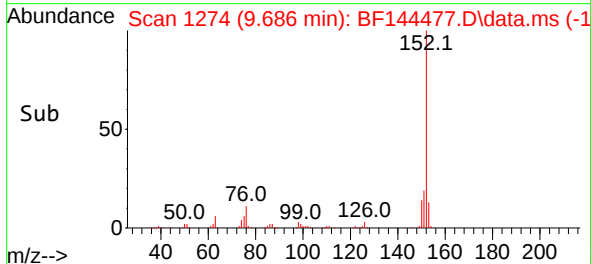
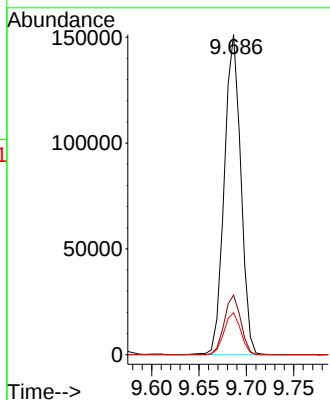
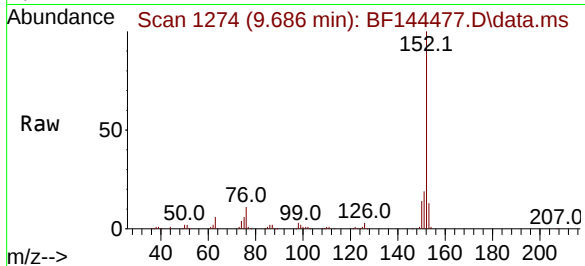




#49
Acenaphthylene
Concen: 4.442 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

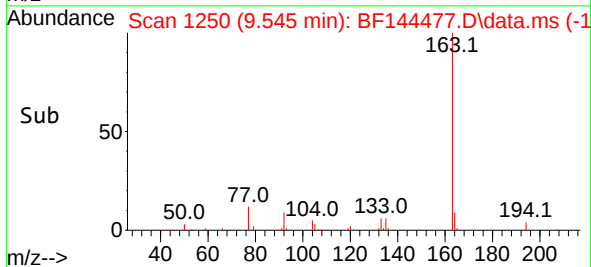
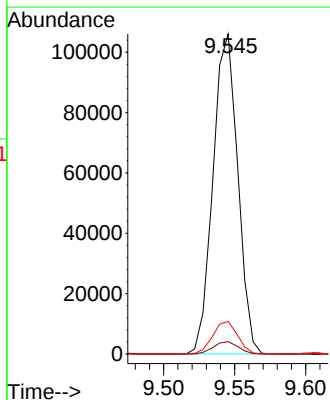
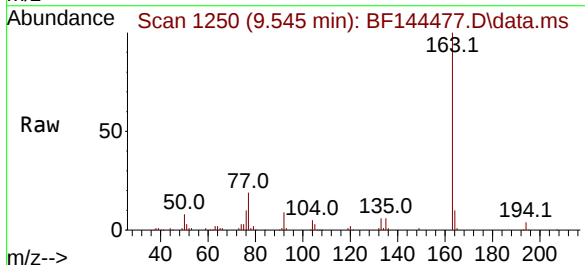
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

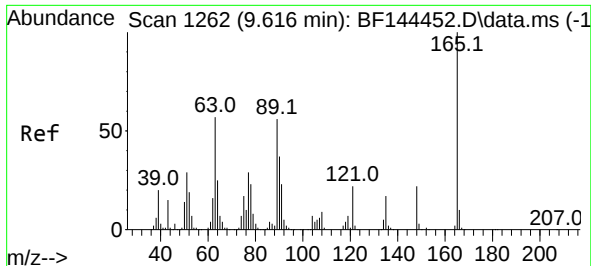
Tgt Ion:152 Resp: 183748
Ion Ratio Lower Upper
152 100
151 18.6 16.2 24.2
153 13.1 11.4 17.0



#50
Dimethylphthalate
Concen: 4.347 ng
RT: 9.545 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:163 Resp: 128492
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.2 8.3 12.5

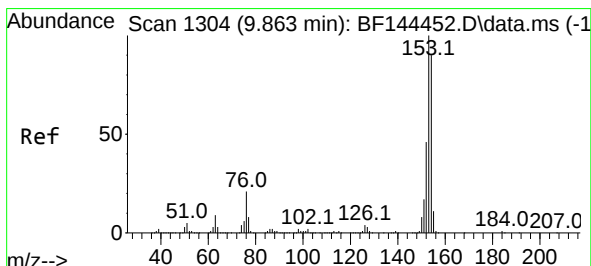
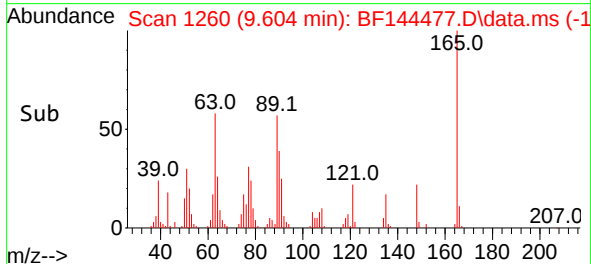
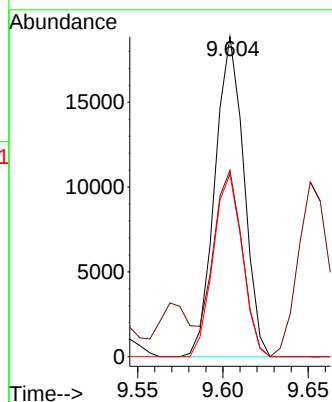
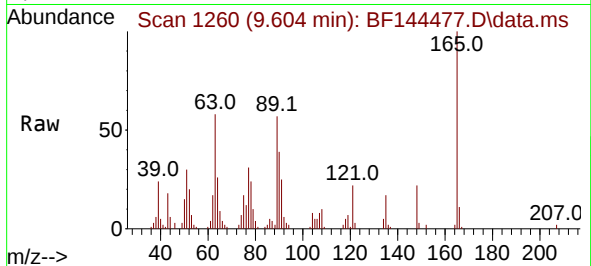




#51
2,6-Dinitrotoluene
Concen: 4.934 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

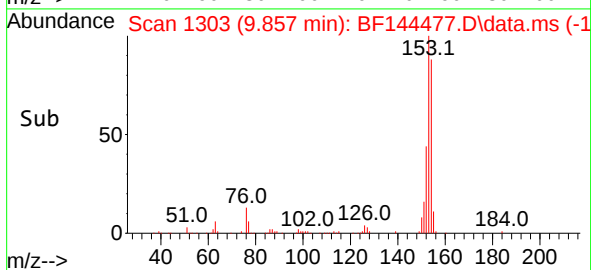
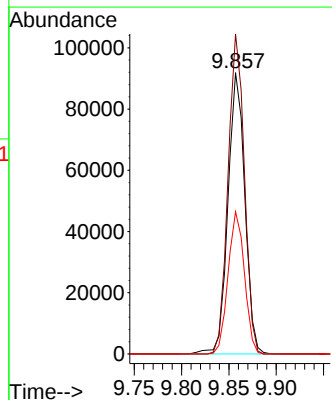
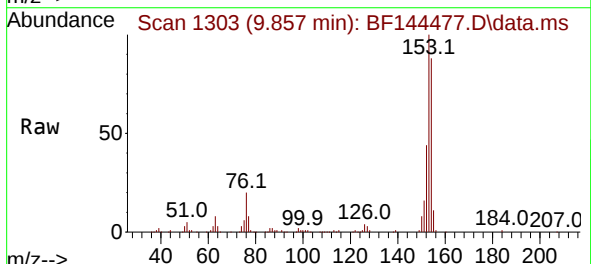
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

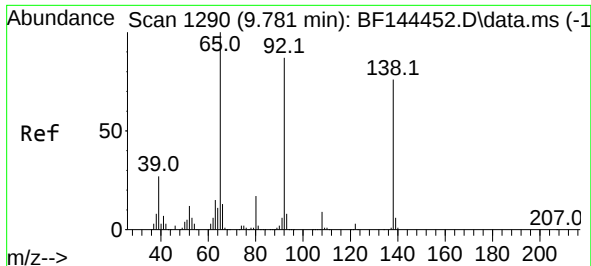
Tgt Ion:	165	Resp:	22204
Ion	Ratio	Lower	Upper
165	100		
63	58.2	45.9	68.9
89	57.1	44.6	67.0



#52
Acenaphthene
Concen: 4.420 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:	154	Resp:	113989
Ion	Ratio	Lower	Upper
154	100		
153	113.8	88.6	132.8
152	50.6	40.6	61.0

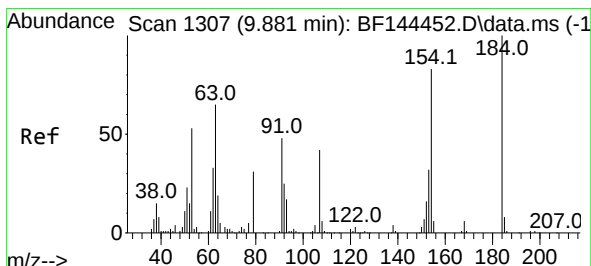
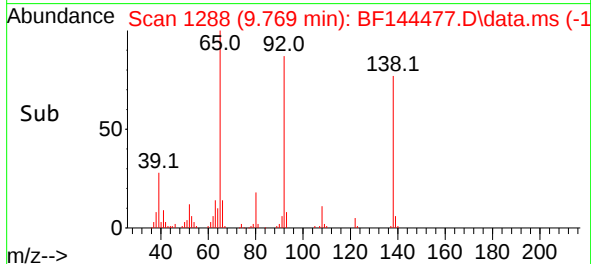
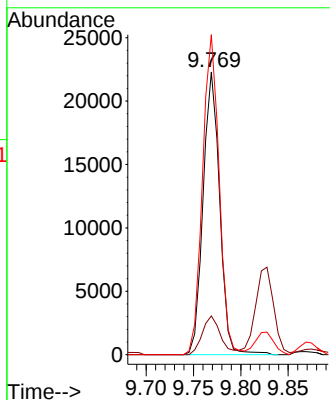
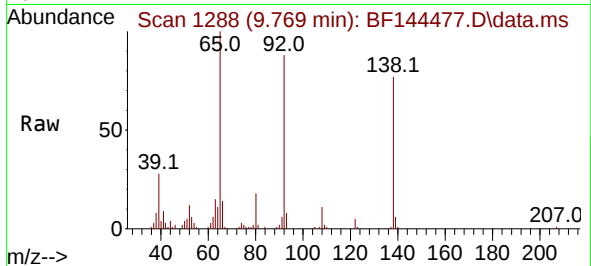




#53
3-Nitroaniline
Concen: 6.831 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

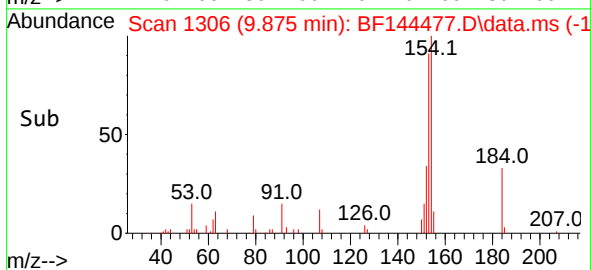
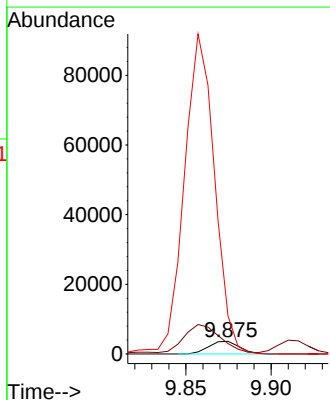
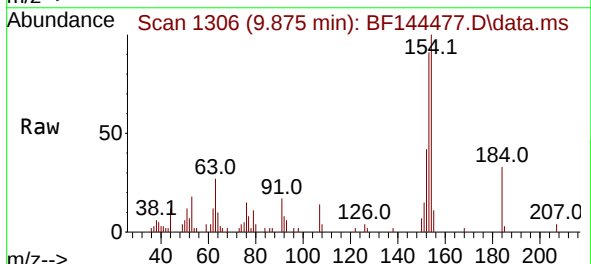
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

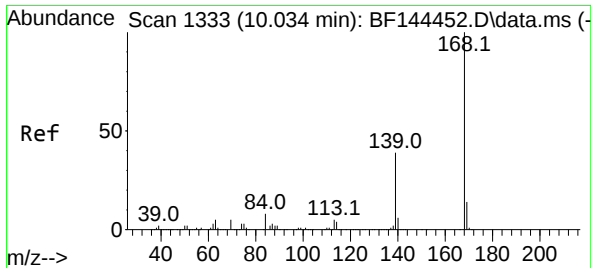
Tgt Ion:138 Resp: 27038
Ion Ratio Lower Upper
138 100
108 13.7 9.7 14.5
92 113.2 91.5 137.3



#54
2,4-Dinitrophenol
Concen: 8.788 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:184 Resp: 4567
Ion Ratio Lower Upper
184 100
63 82.6 60.6 91.0
154 303.8 137.8 206.8#

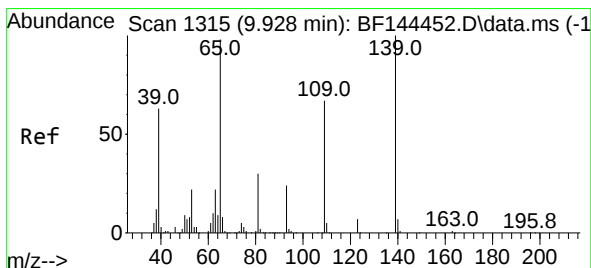
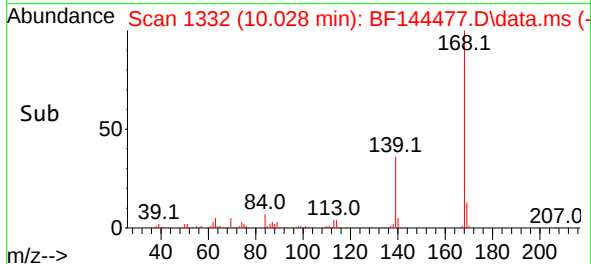
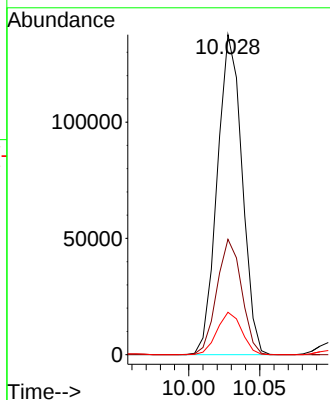
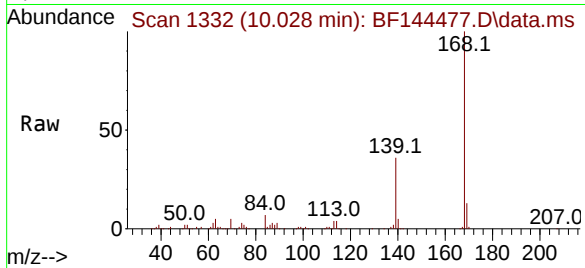




#55
Dibenzenofuran
Concen: 4.546 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

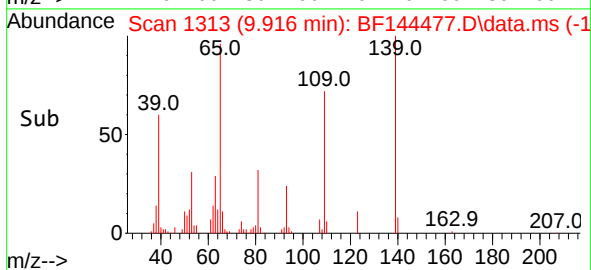
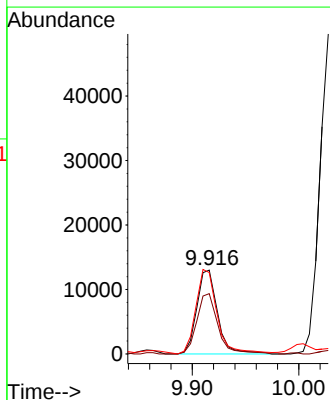
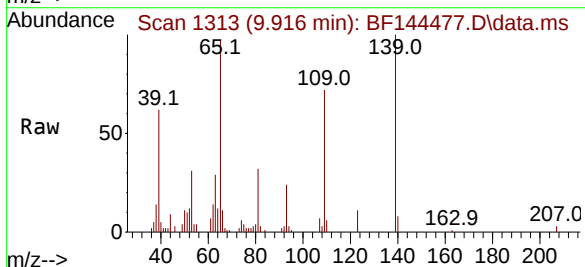
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2025

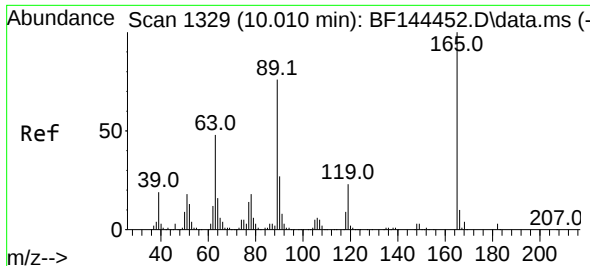
Tgt Ion:168 Resp: 166798
Ion Ratio Lower Upper
168 100
139 36.1 31.0 46.6
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 3.494 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:139 Resp: 17589
Ion Ratio Lower Upper
139 100
109 71.9 47.4 87.4
65 97.0 78.4 118.4

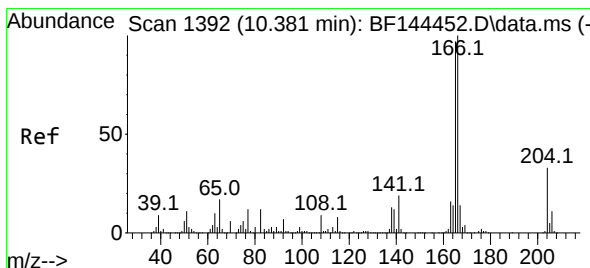
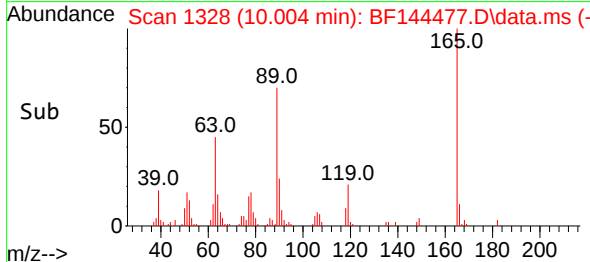
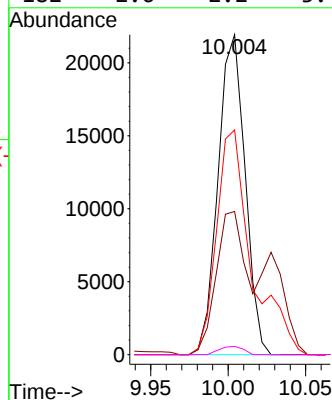
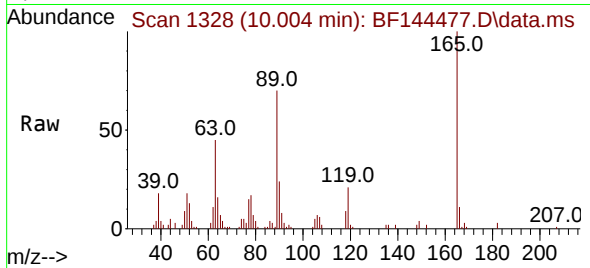




#57
2,4-Dinitrotoluene
Concen: 7.193 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

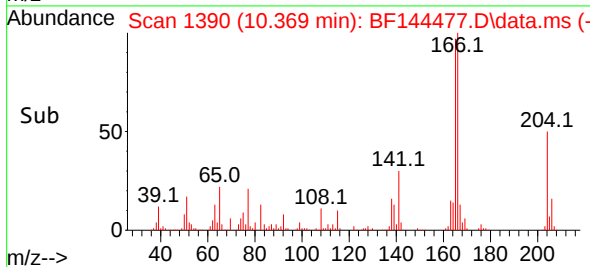
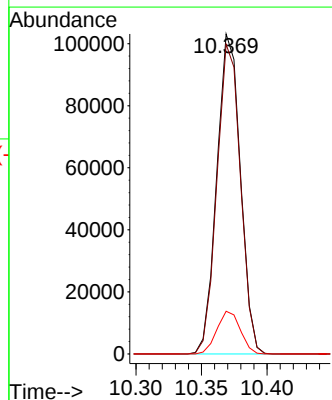
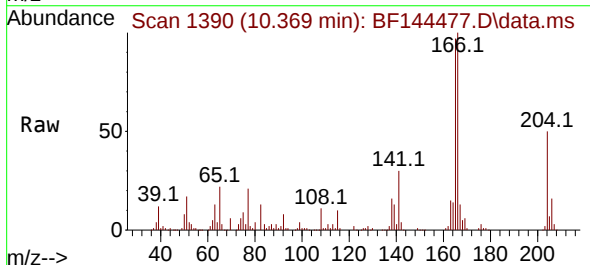
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

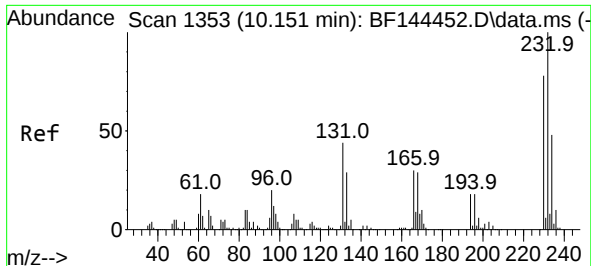
Tgt	Ion:165	Resp:	26607
Ion	Ratio	Lower	Upper
165	100		
63	44.7	38.2	57.4
89	70.2	61.2	91.8
182	2.6	2.2	3.4



#58
Fluorene
Concen: 4.640 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:166	Resp:	128917	
Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.6	116.4
167	13.3	10.8	16.2

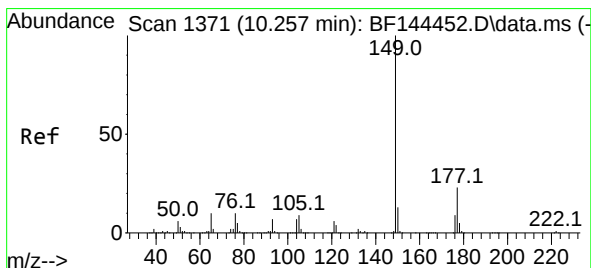
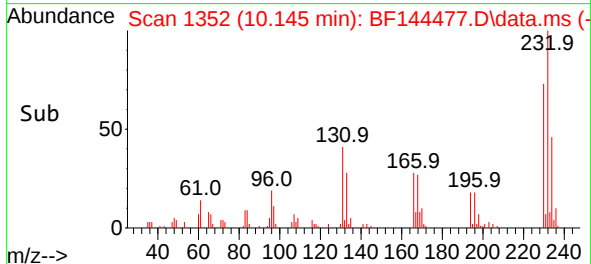
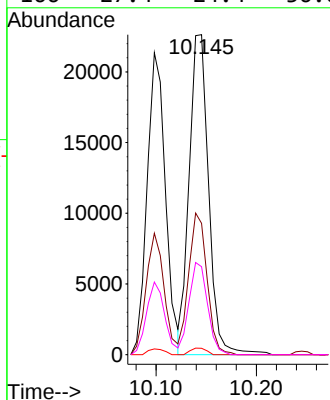
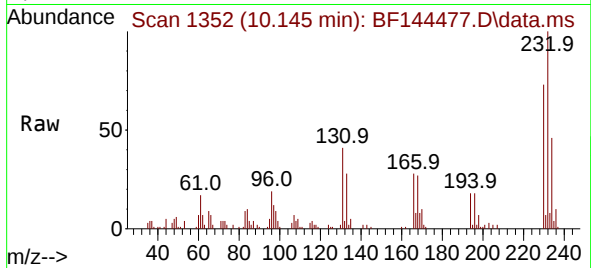




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.845 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

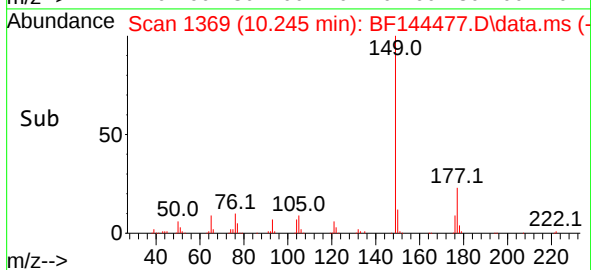
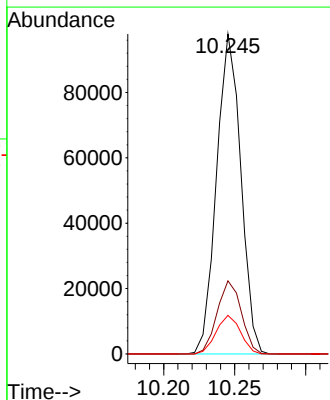
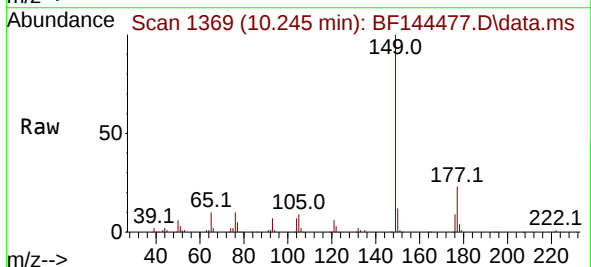
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

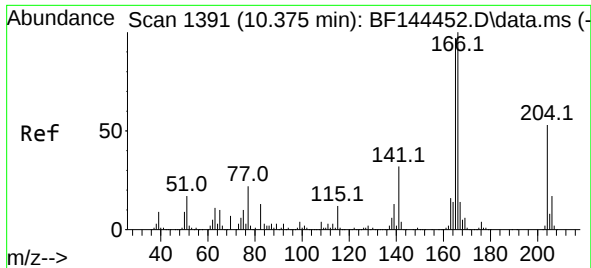
Tgt Ion:232 Resp: 30526
Ion Ratio Lower Upper
232 100
131 41.5 36.3 54.5
130 1.7 1.8 2.6#
166 27.4 24.4 36.6



#60
Diethylphthalate
Concen: 4.145 ng
RT: 10.245 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:149 Resp: 116129
Ion Ratio Lower Upper
149 100
177 22.9 18.7 28.1
150 12.1 10.1 15.1





#61

4-Chlorophenyl-phenylether

Concen: 4.499 ng

RT: 10.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

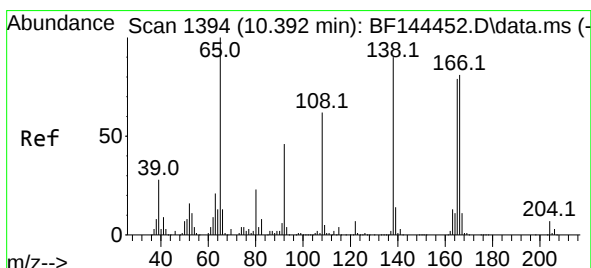
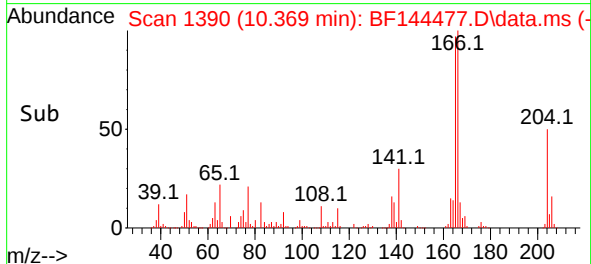
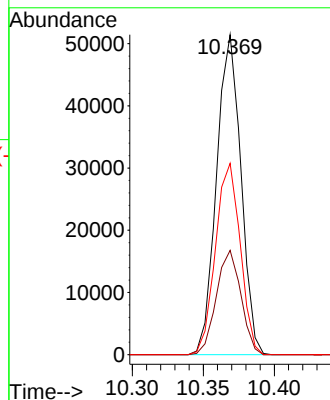
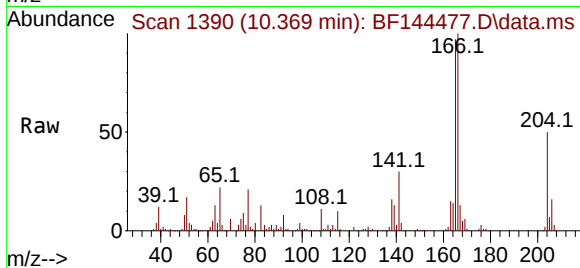
Tgt Ion:204 Resp: 61337

Ion Ratio Lower Upper

204 100

206 32.6 26.3 39.5

141 59.8 48.4 72.6



#62

4-Nitroaniline

Concen: 5.971 ng

RT: 10.375 min Scan# 1391

Delta R.T. -0.017 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

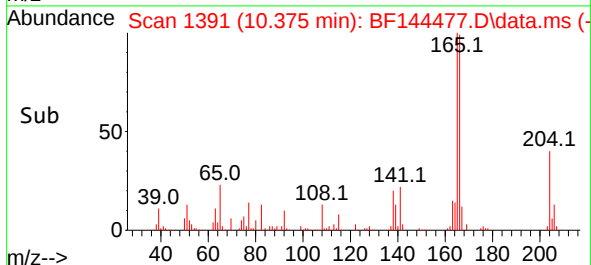
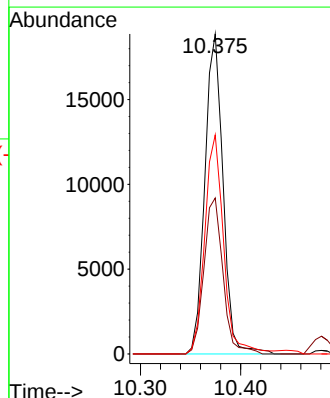
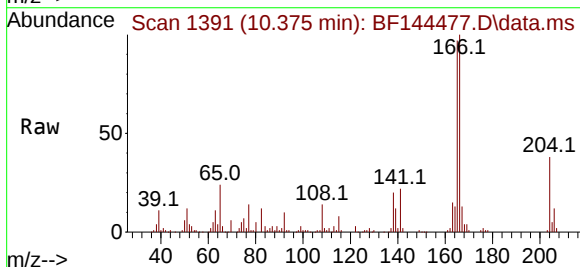
Tgt Ion:138 Resp: 23844

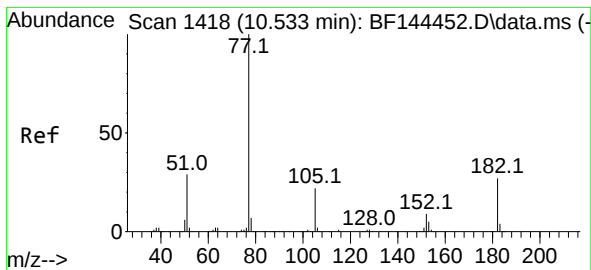
Ion Ratio Lower Upper

138 100

92 48.7 30.8 70.8

108 68.5 49.2 89.2





#63

Azobenzene

Concen: 4.126 ng

RT: 10.528 min Scan# 1418

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

Tgt Ion: 77 Resp: 122148

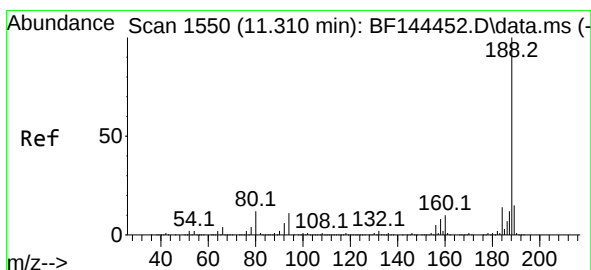
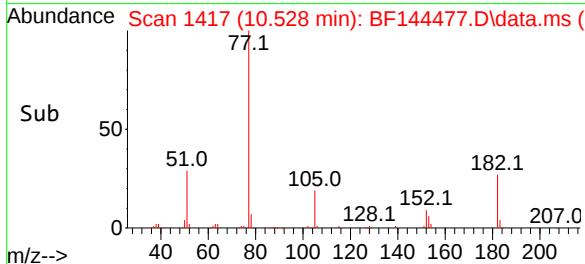
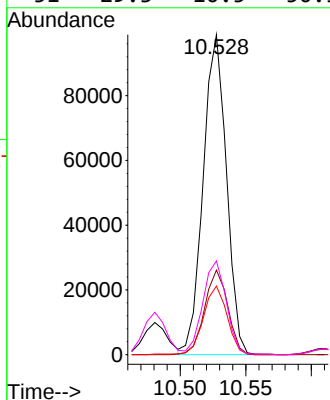
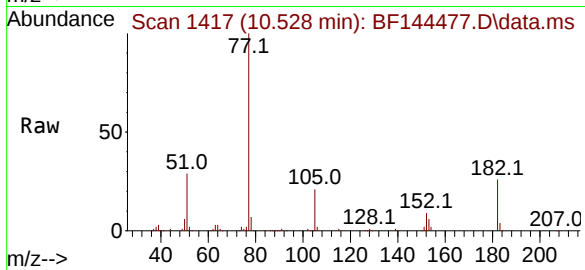
Ion Ratio Lower Upper

77 100

182 26.5 6.1 46.1

105 21.5 1.5 41.5

51 29.3 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: BF144477.D

Acq: 15 Dec 2025 16:37

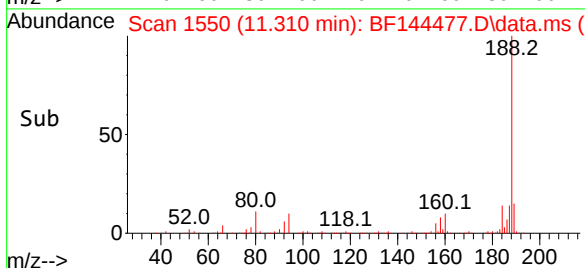
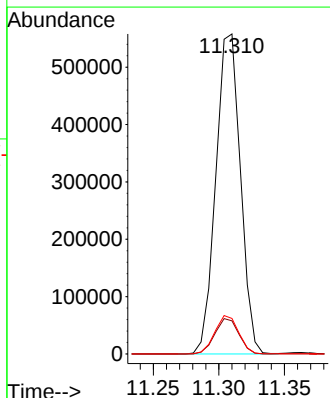
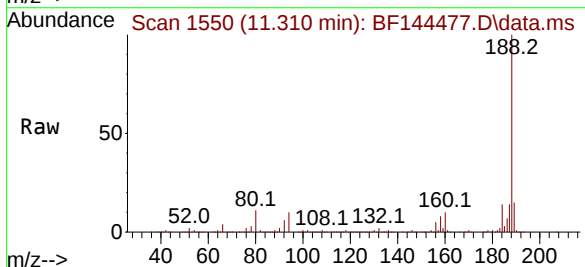
Tgt Ion: 188 Resp: 727560

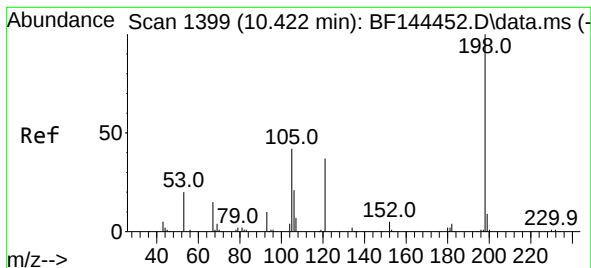
Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.6

80 11.1 9.8 14.8

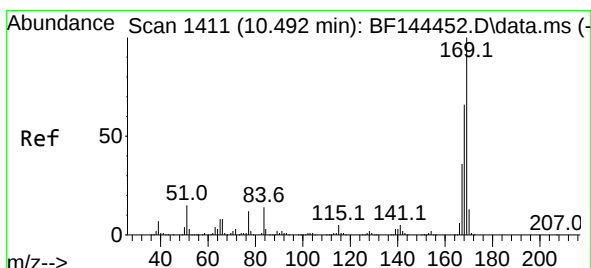
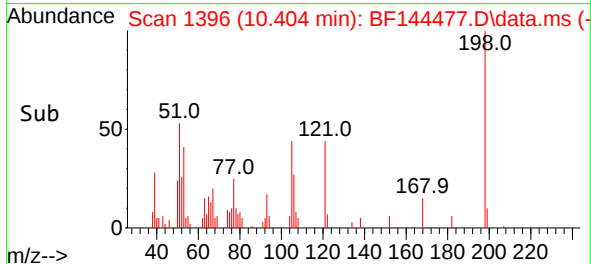
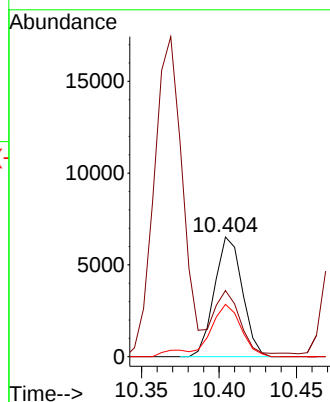
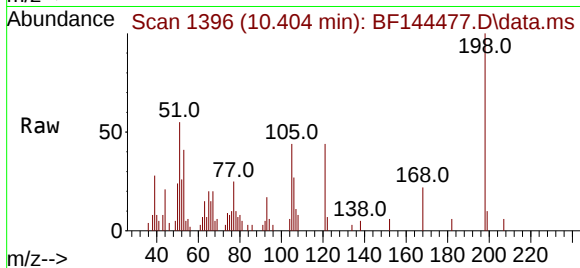




#65
4,6-Dinitro-2-methylphenol
Concen: 9.071 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

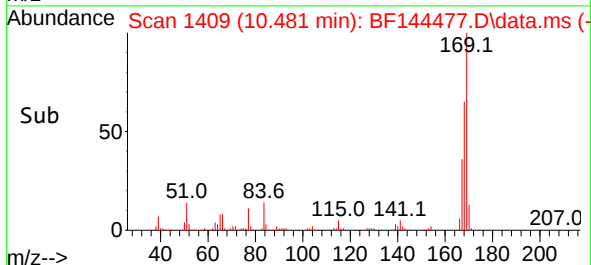
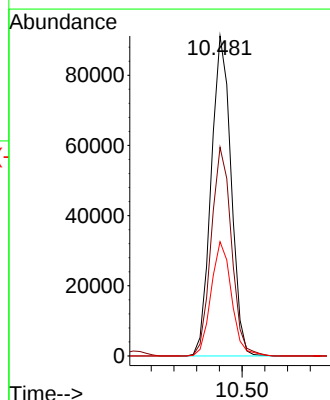
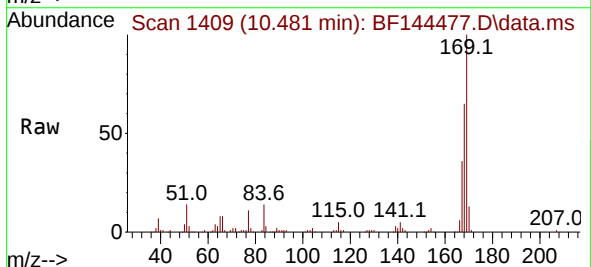
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

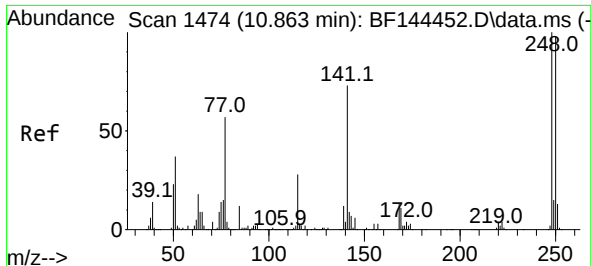
Tgt Ion:198 Resp: 8153
Ion Ratio Lower Upper
198 100
51 55.3 25.5 65.5
105 43.7 23.4 63.4



#66
n-Nitrosodiphenylamine
Concen: 4.453 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:169 Resp: 111028
Ion Ratio Lower Upper
169 100
168 65.2 52.6 79.0
167 35.7 28.8 43.2

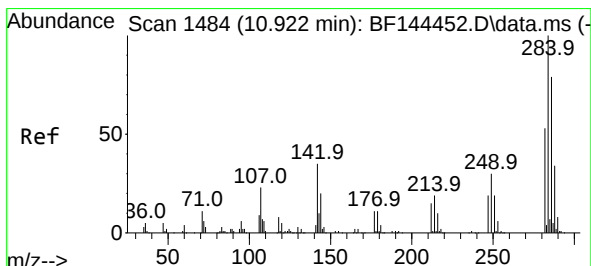
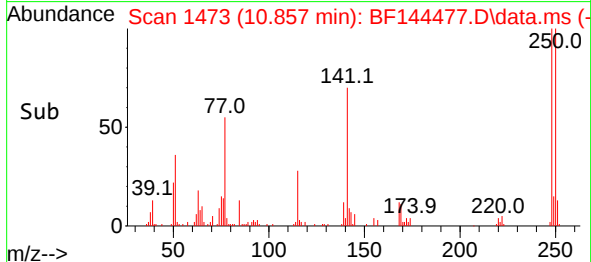
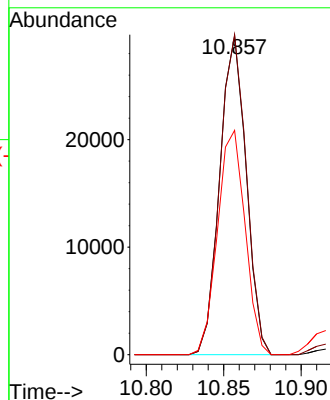
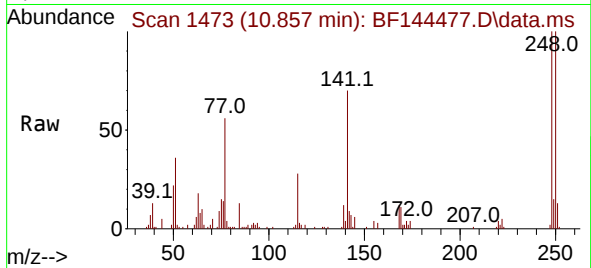




#67
4-Bromophenyl-phenylether
Concen: 4.151 ng
RT: 10.857 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

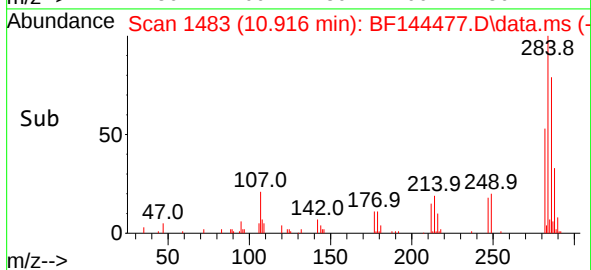
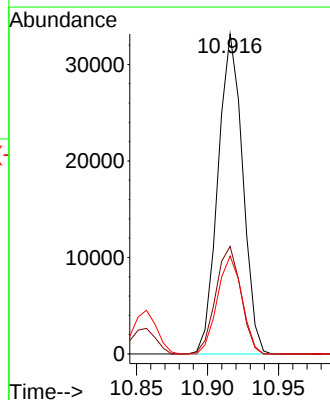
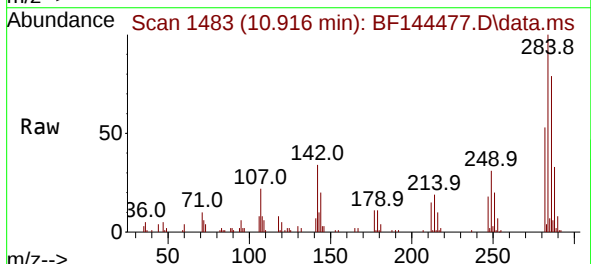
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

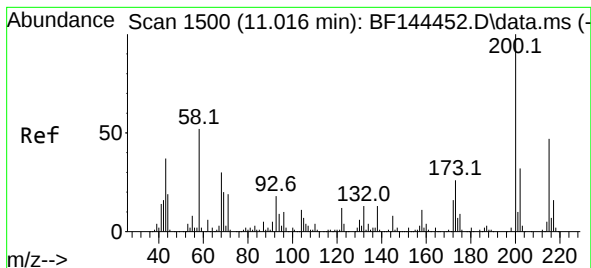
Tgt Ion:248 Resp: 35256
Ion Ratio Lower Upper
248 100
250 100.3 78.2 117.4
141 70.3 58.5 87.7



#68
Hexachlorobenzene
Concen: 4.278 ng
RT: 10.916 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:284 Resp: 40112
Ion Ratio Lower Upper
284 100
142 33.6 28.2 42.2
249 30.6 24.7 37.1





#69

Atrazine

Concen: 3.967 ng

RT: 11.004 min Scan# 1498

Delta R.T. -0.012 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

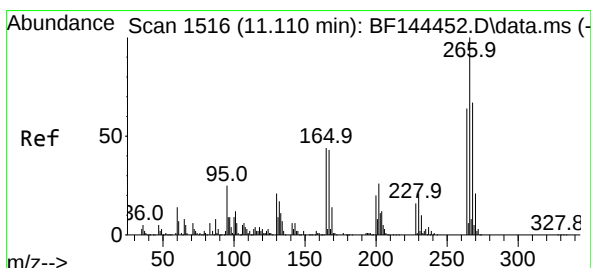
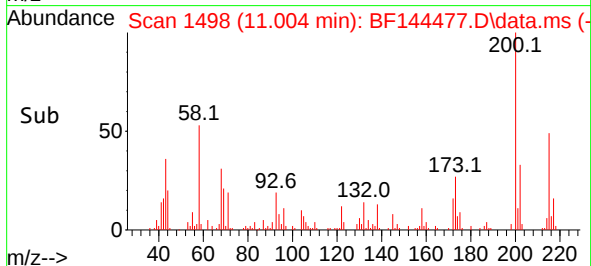
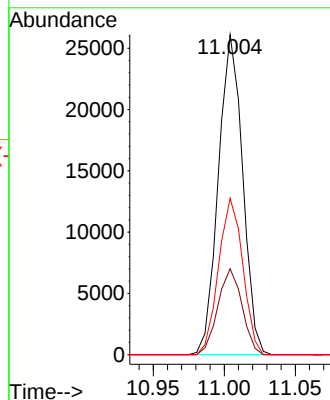
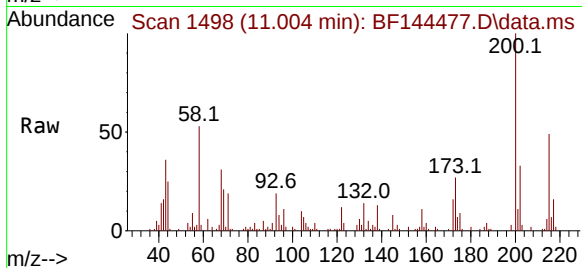
Tgt Ion:200 Resp: 30981

Ion Ratio Lower Upper

200 100

173 26.9 6.2 46.2

215 48.8 27.2 67.2



#70

Pentachlorophenol

Concen: 3.466 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

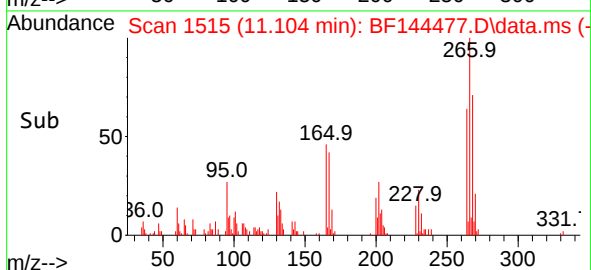
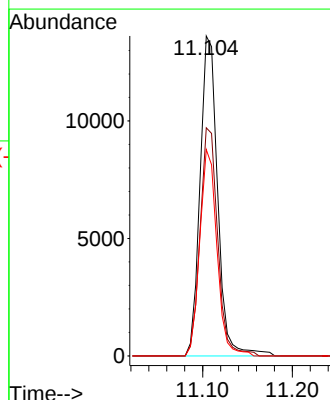
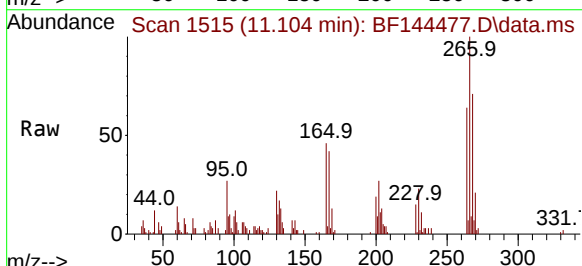
Tgt Ion:266 Resp: 18538

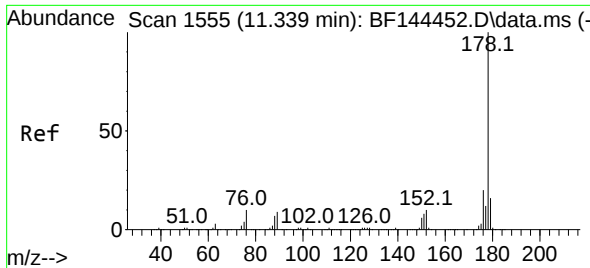
Ion Ratio Lower Upper

266 100

268 71.3 53.8 80.8

264 64.5 51.2 76.8

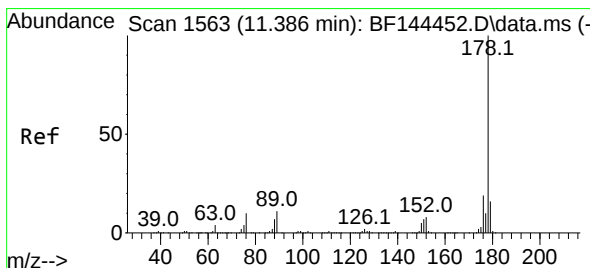
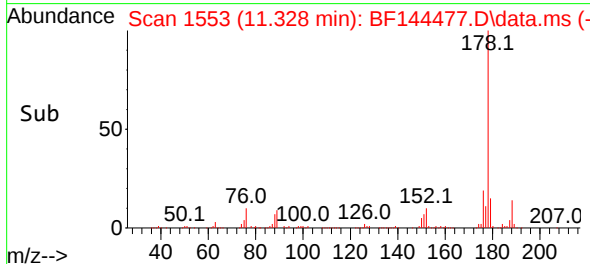
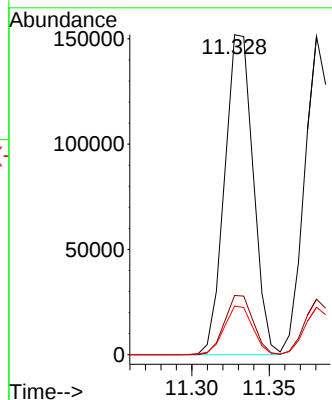
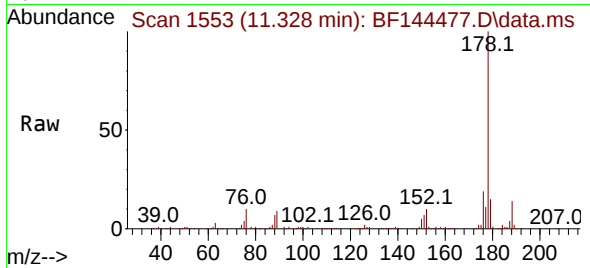




#71
Phenanthrene
Concen: 4.654 ng
RT: 11.328 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

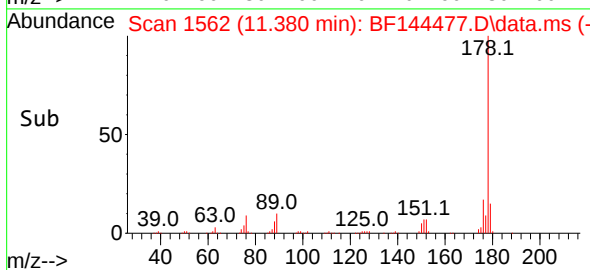
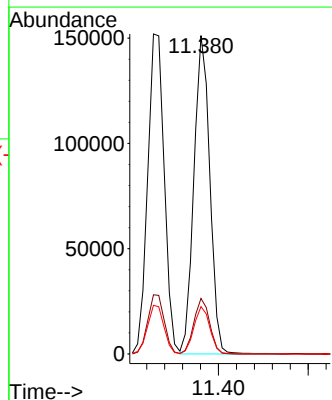
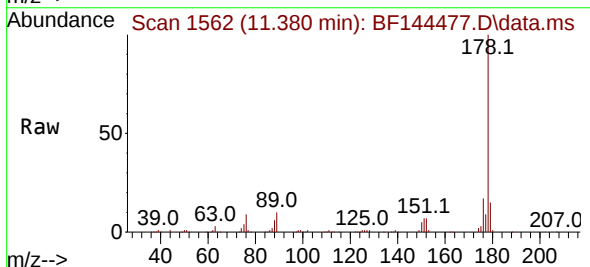
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

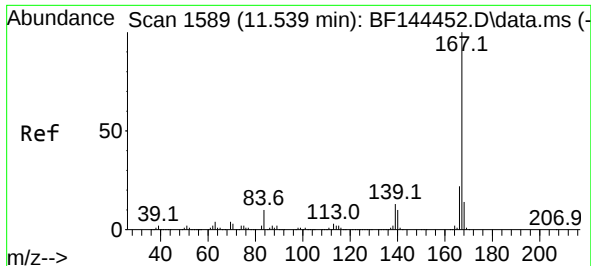
Tgt Ion:178 Resp: 195204
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.2 12.5 18.7



#72
Anthracene
Concen: 4.385 ng
RT: 11.380 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:178 Resp: 186168
Ion Ratio Lower Upper
178 100
176 17.5 15.2 22.8
179 14.9 12.7 19.1

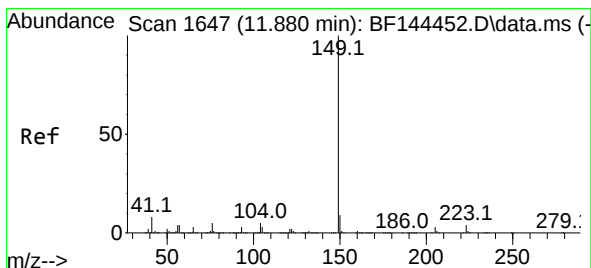
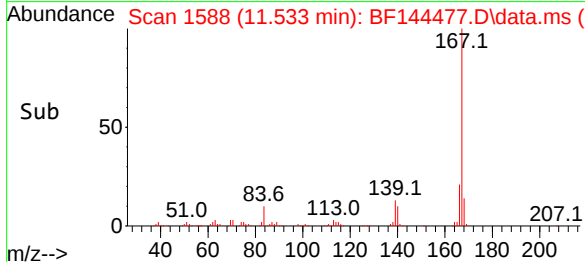
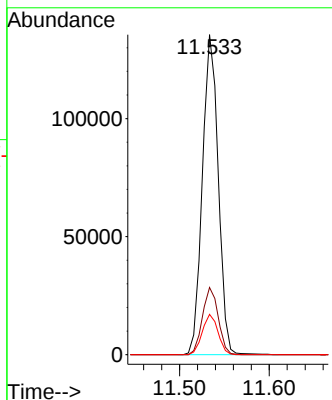
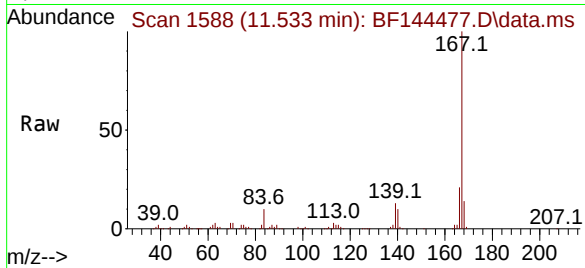




#73
 Carbazole
 Concen: 4.515 ng
 RT: 11.533 min Scan# 1588
 Delta R.T. -0.006 min
 Lab File: BF144477.D
 Acq: 15 Dec 2025 16:37

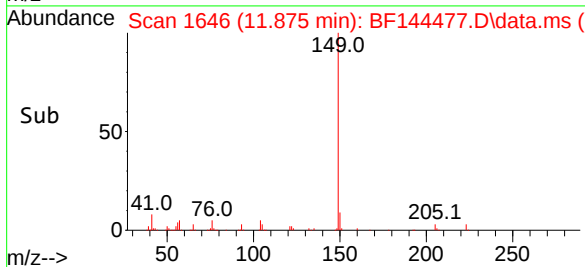
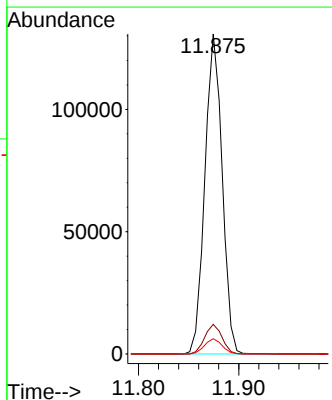
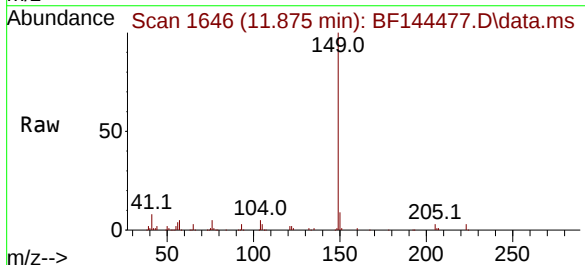
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT4-2025

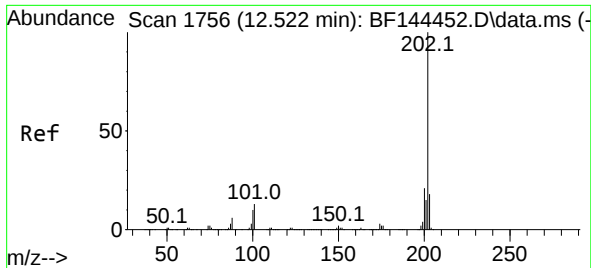
Tgt Ion:167 Resp: 166399
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.2
 139 12.6 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 3.984 ng
 RT: 11.875 min Scan# 1646
 Delta R.T. -0.006 min
 Lab File: BF144477.D
 Acq: 15 Dec 2025 16:37

Tgt Ion:149 Resp: 156966
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.8 3.9 5.9

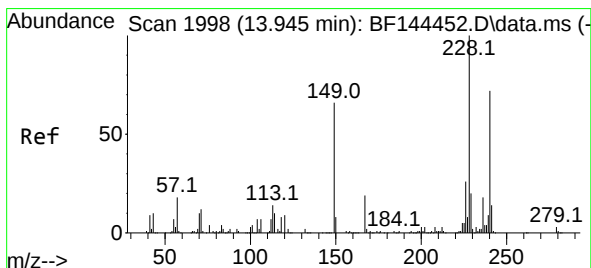
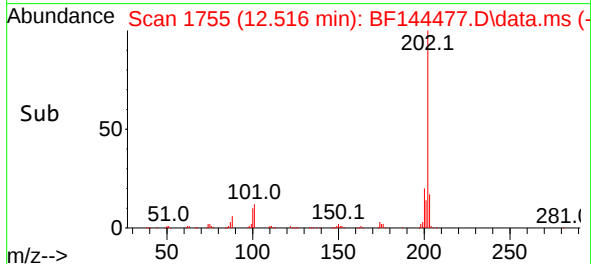
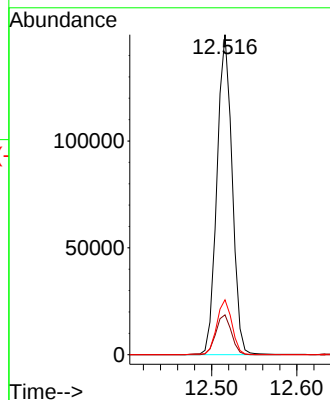
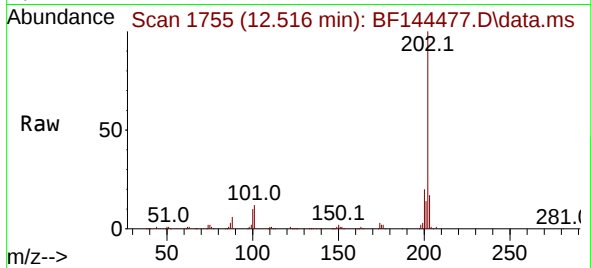




#75
Fluoranthene
Concen: 4.474 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

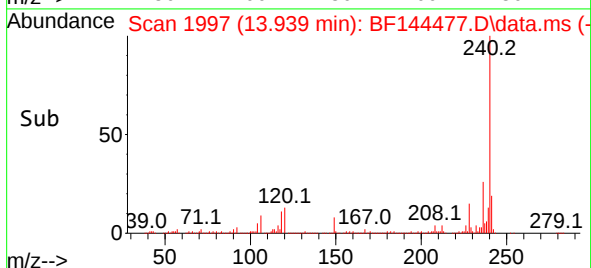
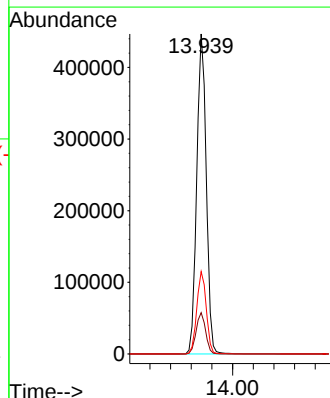
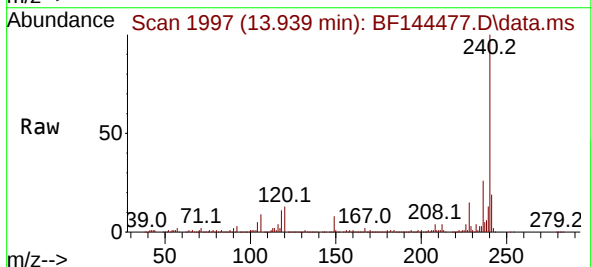
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

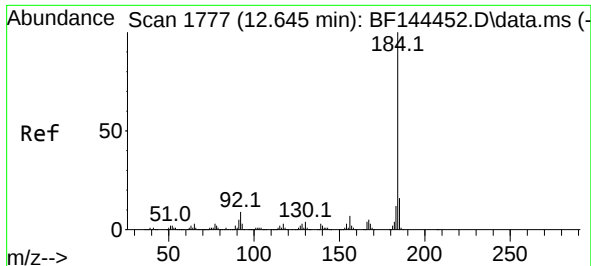
Tgt Ion:202 Resp: 185330
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.9
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:240 Resp: 571279
Ion Ratio Lower Upper
240 100
120 12.9 10.3 15.5
236 25.8 20.2 30.4

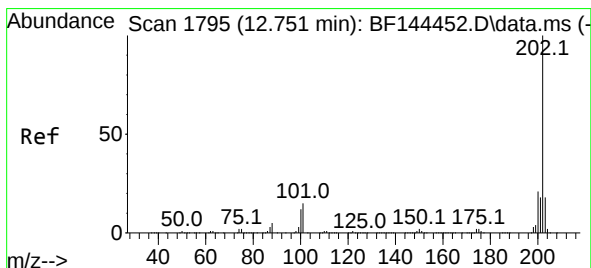
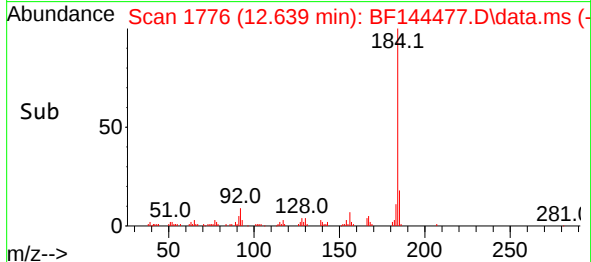
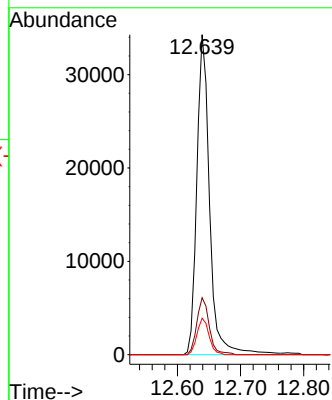
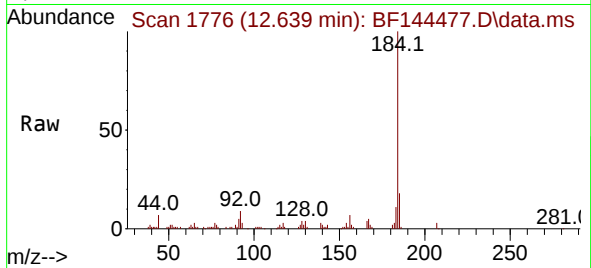




#77
Benzidine
Concen: 2.363 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

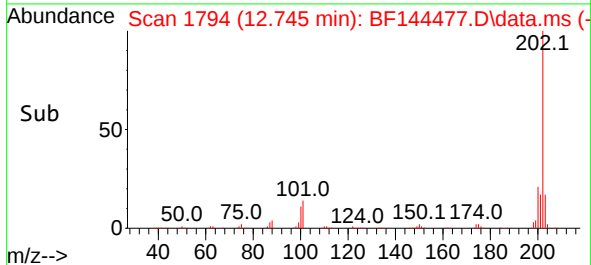
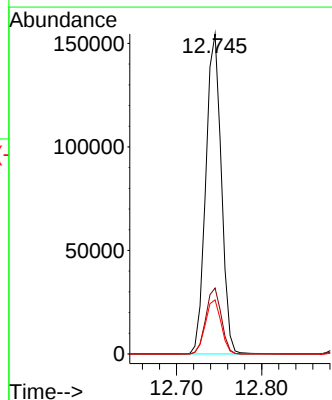
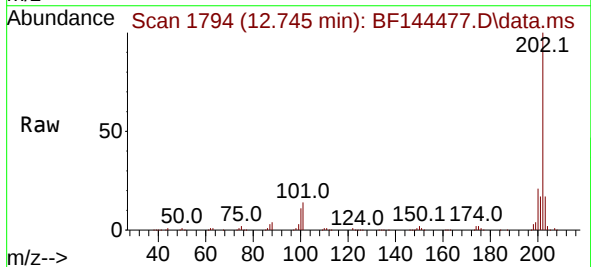
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

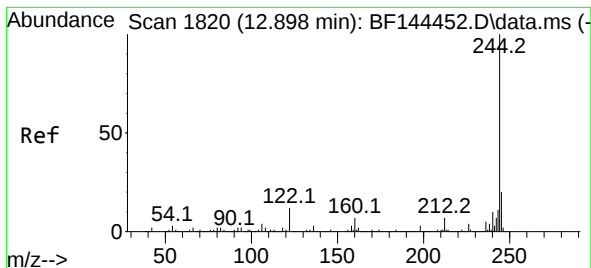
Tgt Ion:184 Resp: 48057
Ion Ratio Lower Upper
184 100
185 17.8 12.6 18.8
183 11.4 9.4 14.0



#78
Pyrene
Concen: 3.729 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:202 Resp: 195180
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 16.9 14.2 21.4





#79

Terphenyl-d14

Concen: 66.337 ng

RT: 12.898 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

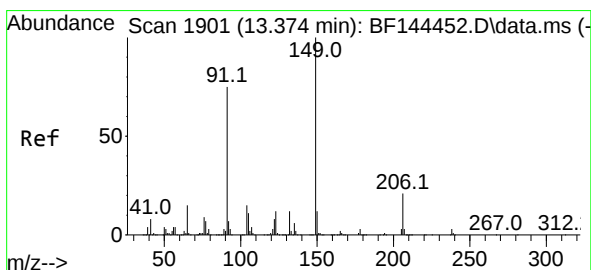
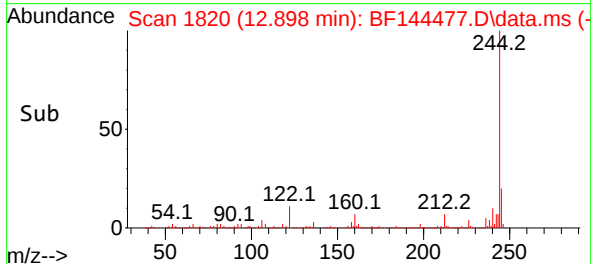
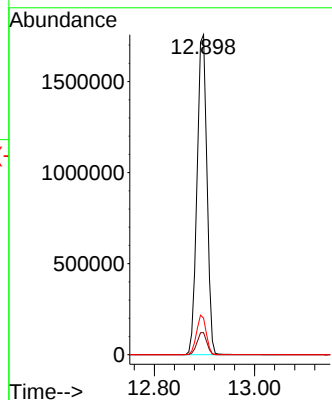
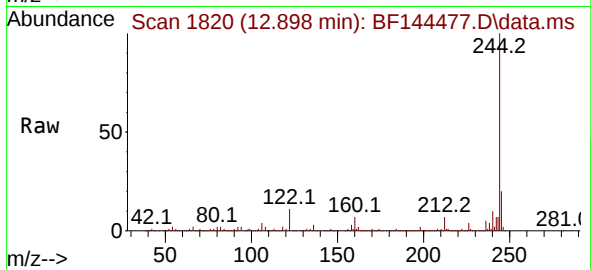
Tgt Ion:244 Resp: 2400382

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.5 9.9 14.9



#80

Butylbenzylphthalate

Concen: 5.686 ng

RT: 13.369 min Scan# 1900

Delta R.T. -0.005 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

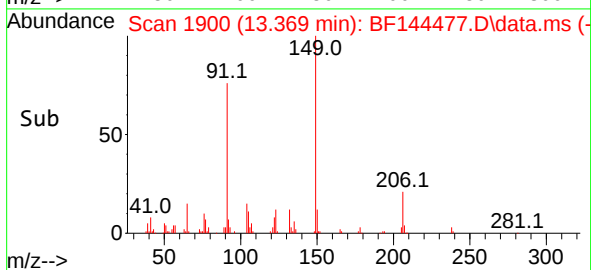
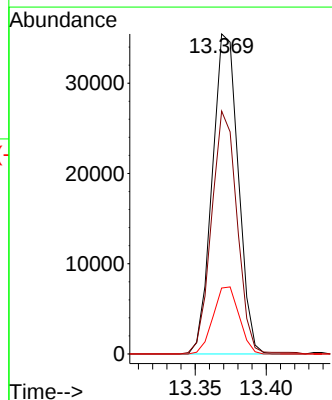
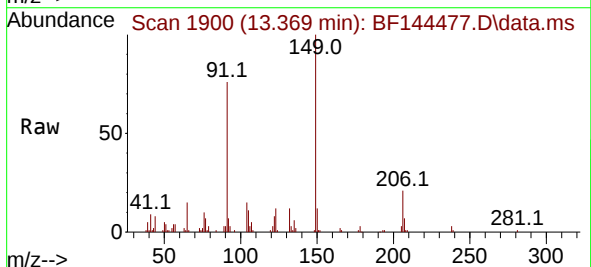
Tgt Ion:149 Resp: 45124

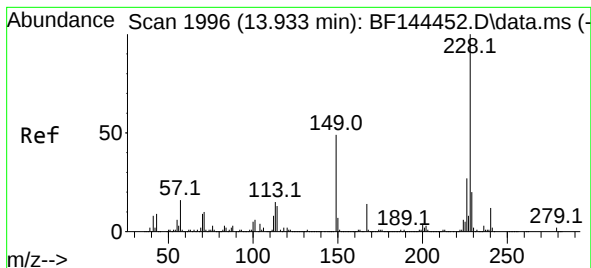
Ion Ratio Lower Upper

149 100

91 75.9 59.8 89.8

206 20.6 17.0 25.6





#81

Benzo(a)anthracene

Concen: 4.007 ng

RT: 13.927 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

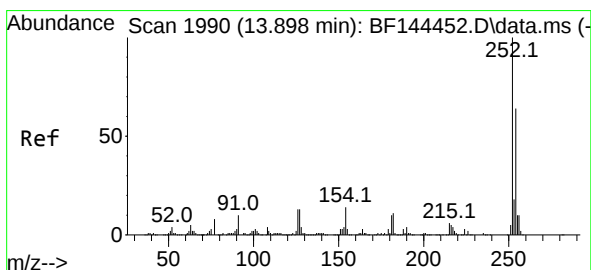
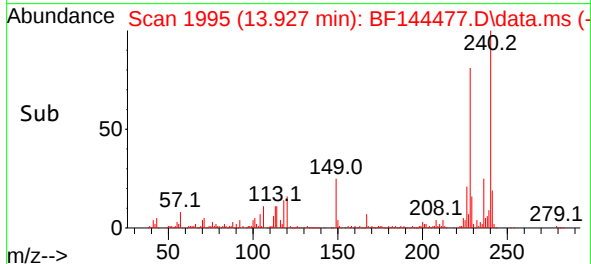
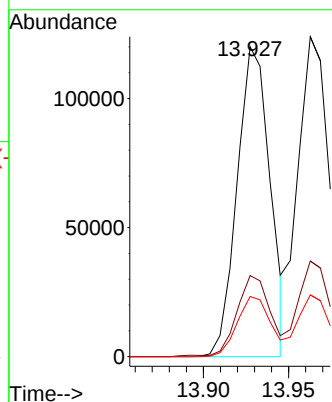
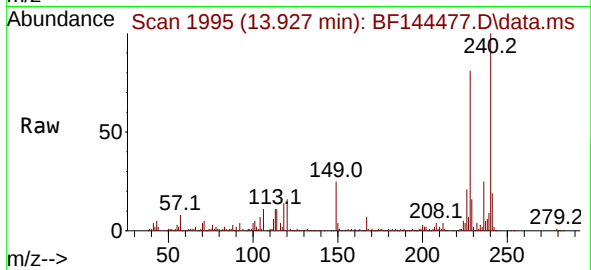
Tgt Ion:228 Resp: 161191

Ion Ratio Lower Upper

228 100

226 26.2 21.9 32.9

229 19.4 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 3.411 ng

RT: 13.898 min Scan# 1990

Delta R.T. 0.000 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

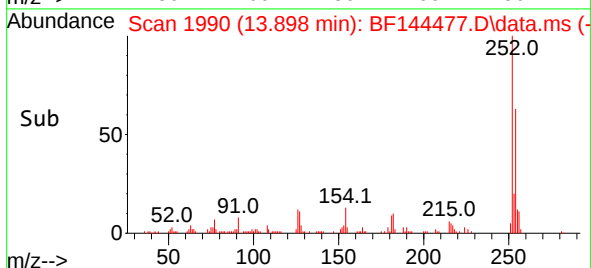
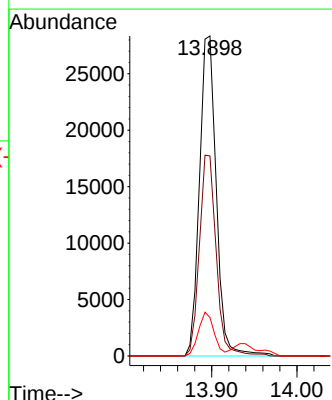
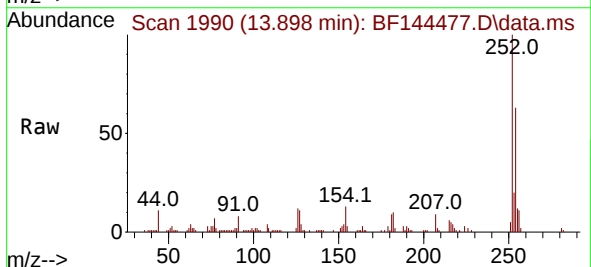
Tgt Ion:252 Resp: 38880

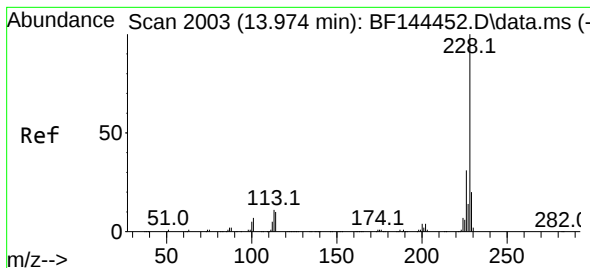
Ion Ratio Lower Upper

252 100

254 62.5 51.1 76.7

126 12.0 10.4 15.6





#83

Chrysene

Concen: 4.382 ng

RT: 13.963 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

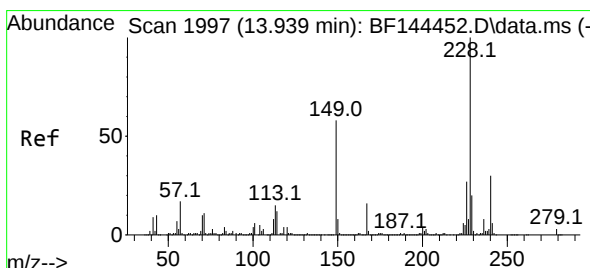
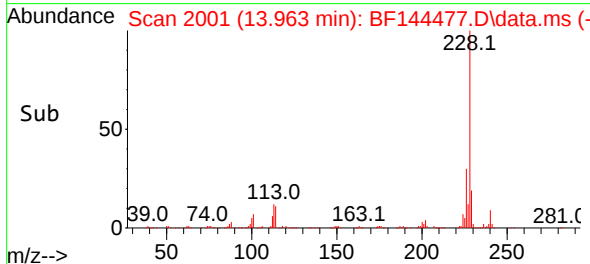
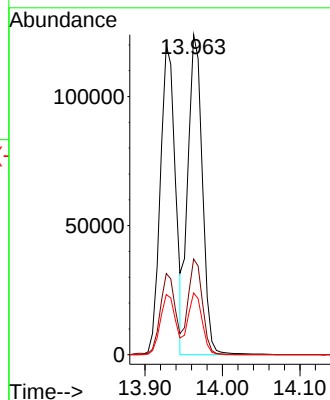
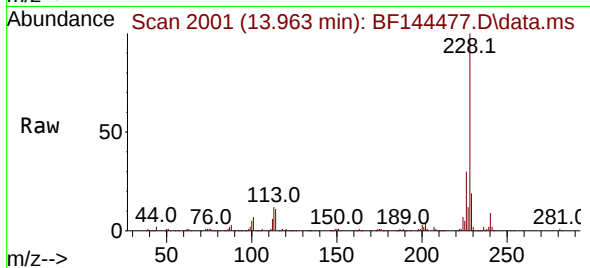
Tgt Ion:228 Resp: 161354

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

229 19.3 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.671 ng

RT: 13.933 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

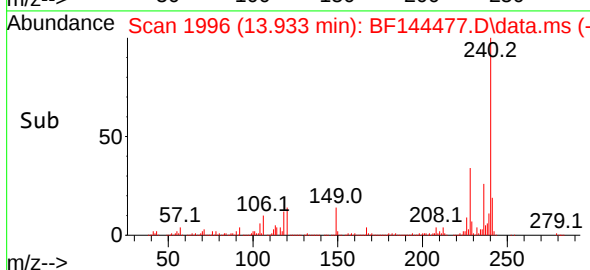
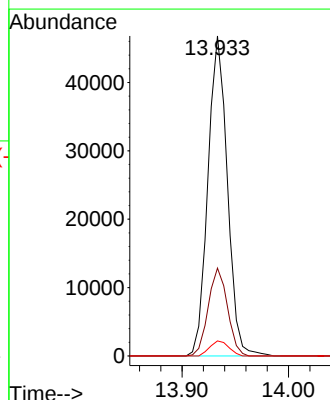
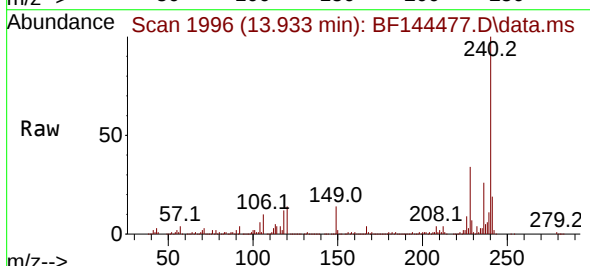
Tgt Ion:149 Resp: 59311

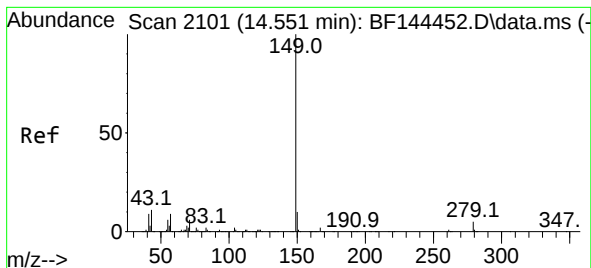
Ion Ratio Lower Upper

149 100

167 27.4 22.6 34.0

279 4.7 3.7 5.5

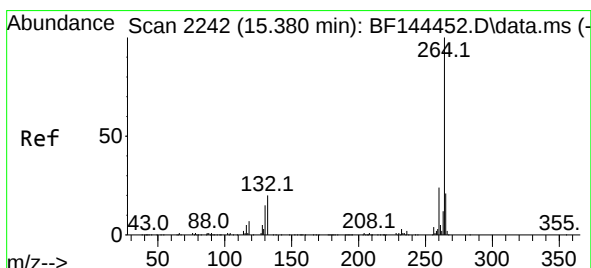
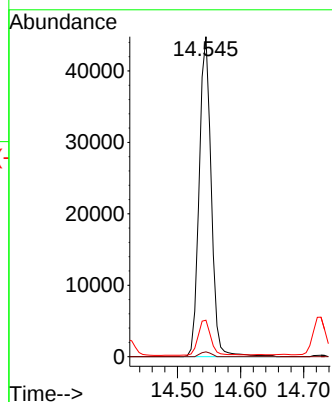
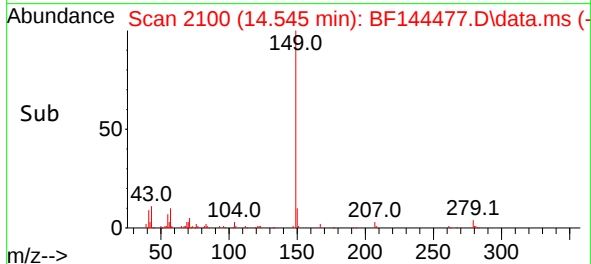
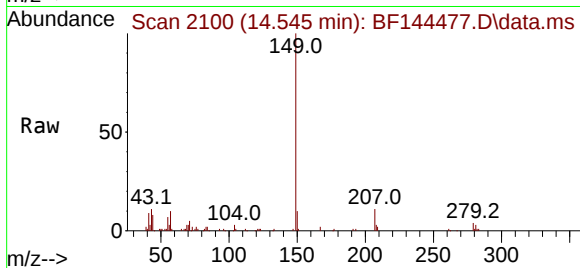




#85
Di-n-octyl phthalate
Concen: 8.159 ng
RT: 14.545 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

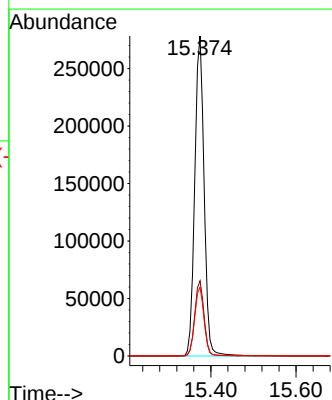
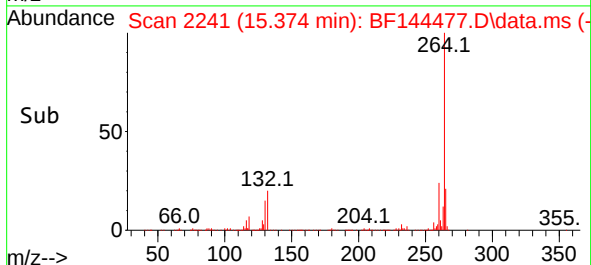
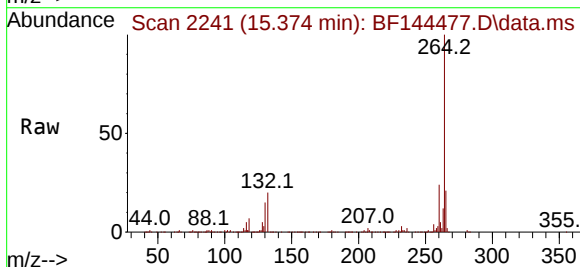
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

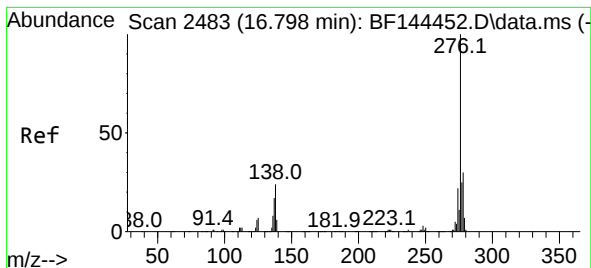
Tgt Ion:149 Resp: 59480
Ion Ratio Lower Upper
149 100
167 1.4 1.3 1.9
43 11.5 9.2 13.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:264 Resp: 424659
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 21.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.433 ng

RT: 16.780 min Scan# 24

Delta R.T. -0.018 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2025

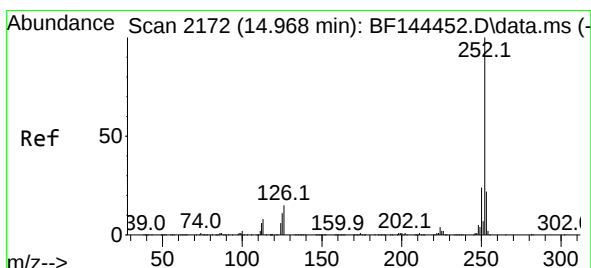
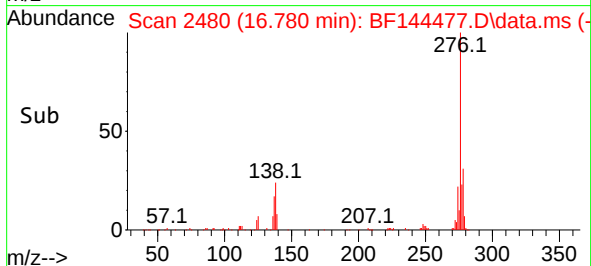
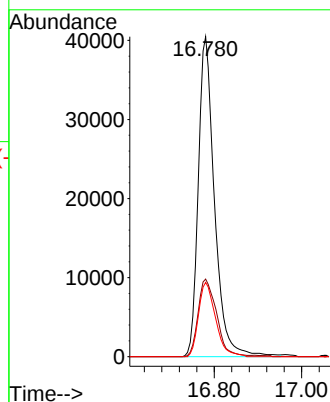
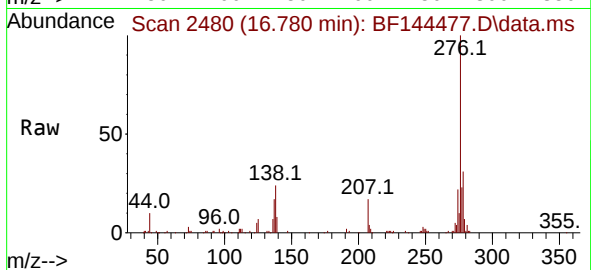
Tgt Ion:276 Resp: 104648

Ion Ratio Lower Upper

276 100

138 27.5 21.9 32.9

277 24.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.933 ng

RT: 14.957 min Scan# 2170

Delta R.T. -0.012 min

Lab File: BF144477.D

Acq: 15 Dec 2025 16:37

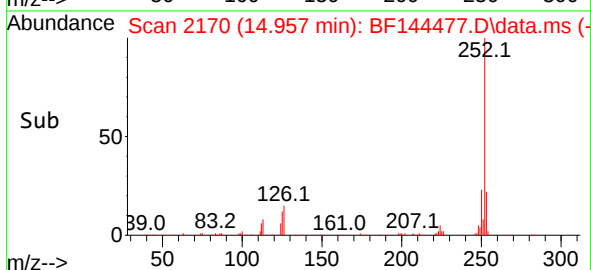
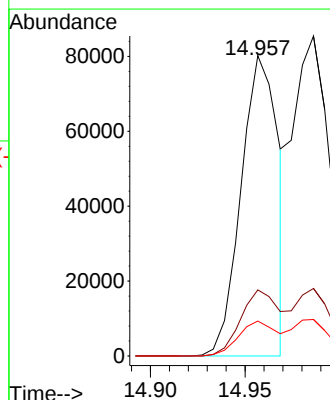
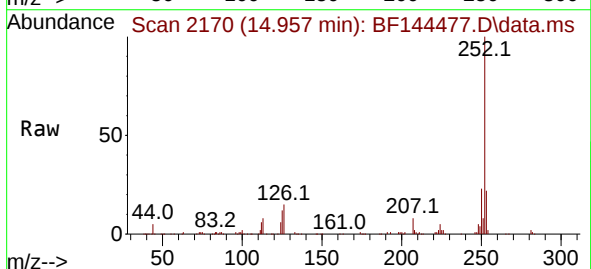
Tgt Ion:252 Resp: 109633

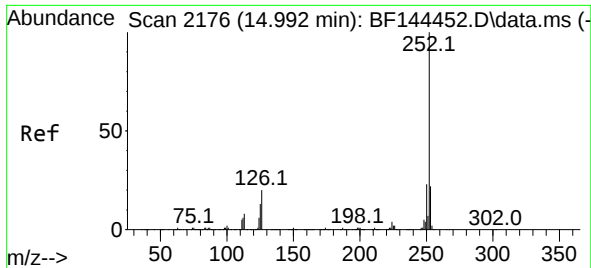
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.6 9.0 13.4

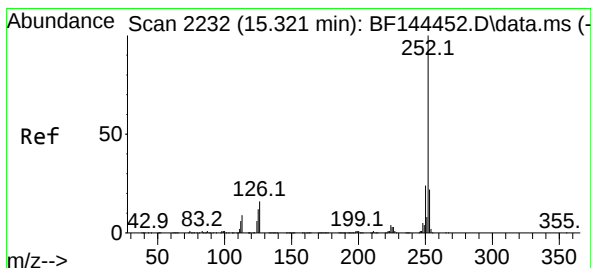
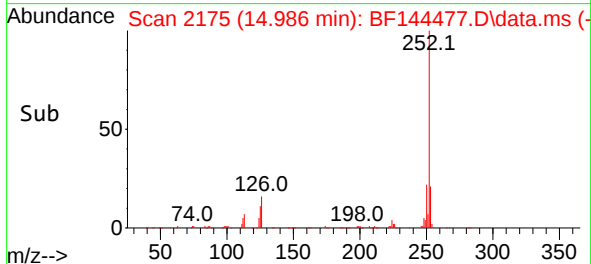
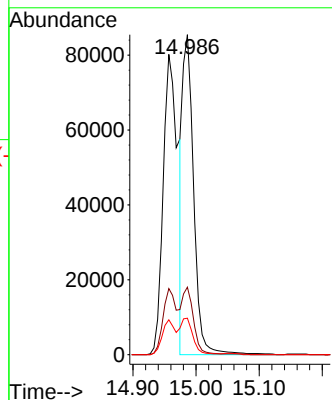
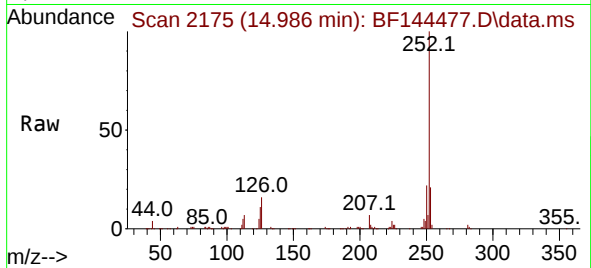




#89
Benzo(k)fluoranthene
Concen: 3.983 ng
RT: 14.986 min Scan# 2175
Delta R.T. -0.006 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

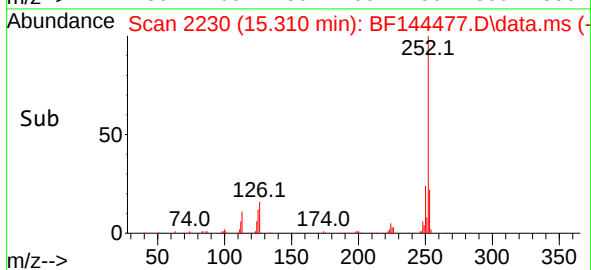
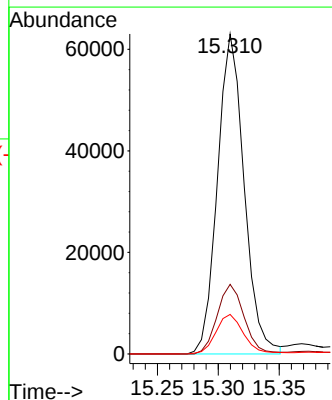
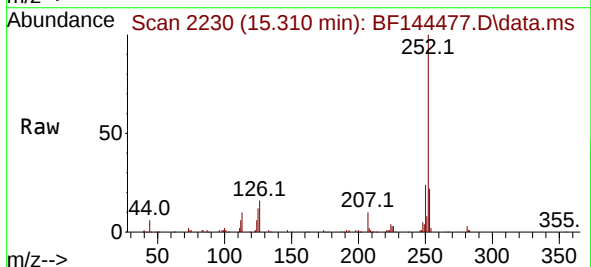
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2025

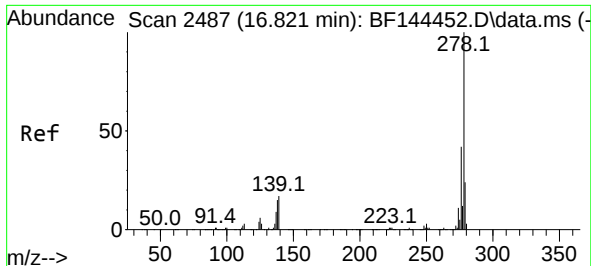
Tgt Ion:252 Resp: 104985
Ion Ratio Lower Upper
252 100
253 21.1 17.7 26.5
125 11.4 9.7 14.5



#90
Benzo(a)pyrene
Concen: 3.940 ng
RT: 15.310 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:252 Resp: 96012
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 12.3 9.9 14.9

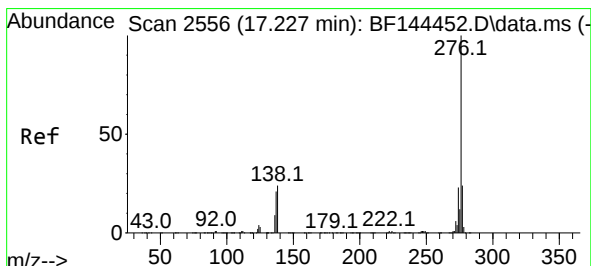
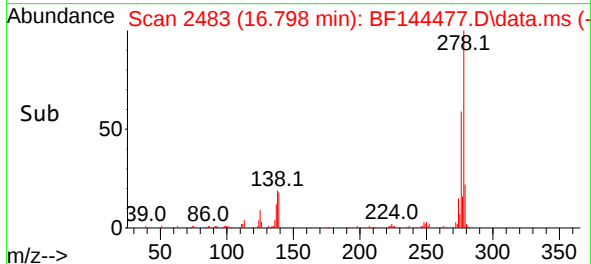
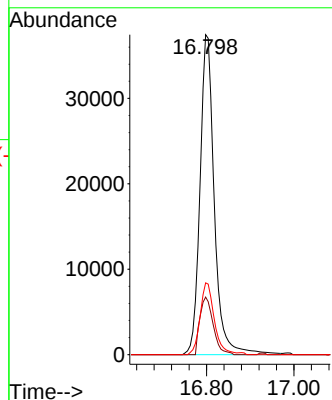
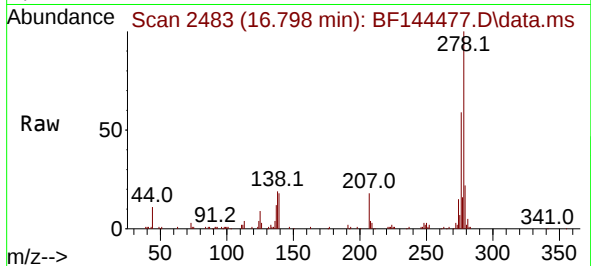




#91
Dibenzo(a,h)anthracene
Concen: 3.480 ng
RT: 16.798 min Scan# 2483
Delta R.T. -0.024 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion:278 Resp: 85674
Ion Ratio Lower Upper
278 100
139 18.0 13.6 20.4
279 22.5 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 3.433 ng
RT: 17.204 min Scan# 2552
Delta R.T. -0.024 min
Lab File: BF144477.D
Acq: 15 Dec 2025 16:37

Tgt Ion:276 Resp: 85937
Ion Ratio Lower Upper
276 100
277 24.7 18.8 28.2
138 23.6 19.4 29.2

