

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143639.D
 Acq On : 04 Sep 2025 12:46
 Operator : RC/JU
 Sample : Q2893-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 04 13:17:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	70586	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	272791	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	154726	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	253081	20.000	ng	0.00
76) Chrysene-d12	14.045	240	168907	20.000	ng	0.00
86) Perylene-d12	15.521	264	153590	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	505828	126.952	ng	0.00
7) Phenol-d6	6.510	99	636886	128.788	ng	0.00
23) Nitrobenzene-d5	7.451	82	388113	99.996	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	186601	144.221	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	848082	87.570	ng	0.00
79) Terphenyl-d14	12.998	244	876410	86.456	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	8997	4.786	ng	94
3) Pyridine	3.481	79	21113	4.239	ng	92
4) n-Nitrosodimethylamine	3.369	42	9149	4.423	ng	# 95
6) Aniline	6.551	93	33559	4.875	ng	98
8) 2-Chlorophenol	6.675	128	21071	5.107	ng	91
9) Benzaldehyde	6.439	77	17932	4.880	ng	94
10) Phenol	6.522	94	26564	4.900	ng	# 72
11) bis(2-Chloroethyl)ether	6.622	93	20078	4.728	ng	98
12) 1,3-Dichlorobenzene	6.833	146	24811	4.872	ng	98
13) 1,4-Dichlorobenzene	6.910	146	25103	4.915	ng	97
14) 1,2-Dichlorobenzene	7.057	146	23723	4.908	ng	98
15) Benzyl Alcohol	7.022	79	17323	4.610	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	29623	4.433	ng	98
17) 2-Methylphenol	7.128	107	16972	4.704	ng	100
18) Hexachloroethane	7.404	117	7555	4.741	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	15222	4.834	ng	99
20) 3+4-Methylphenols	7.281	107	22225	4.894	ng	92
22) Acetophenone	7.292	105	30864	5.003	ng	# 96
24) Nitrobenzene	7.469	77	21769	5.246	ng	97
25) Isophorone	7.704	82	40337	4.612	ng	99
26) 2-Nitrophenol	7.781	139	6910	7.506	ng	94
27) 2,4-Dimethylphenol	7.810	122	19761	5.189	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	25698	4.806	ng	98
29) 2,4-Dichlorophenol	8.016	162	17202	4.604	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	20090	4.933	ng	97
31) Naphthalene	8.192	128	64658	4.846	ng	99
32) Benzoic acid	7.851	122	3609	8.838	ng	89
33) 4-Chloroaniline	8.233	127	24426	5.287	ng	99
34) Hexachlorobutadiene	8.310	225	12115	4.574	ng	97
35) Caprolactam	8.557	113	3965	3.960	ng	94
36) 4-Chloro-3-methylphenol	8.704	107	17529	4.480	ng	96
37) 2-Methylnaphthalene	8.880	142	39119	4.334	ng	100
38) 1-Methylnaphthalene	8.980	142	41518	4.811	ng	97
40) 1,2,4,5-Tetrachloroben...	9.045	216	21362	4.996	ng	100
41) Hexachlorocyclopentadiene	9.039	237	11336	5.459	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	12113	4.598	ng	96

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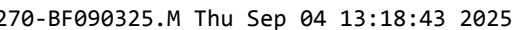
Instrument :
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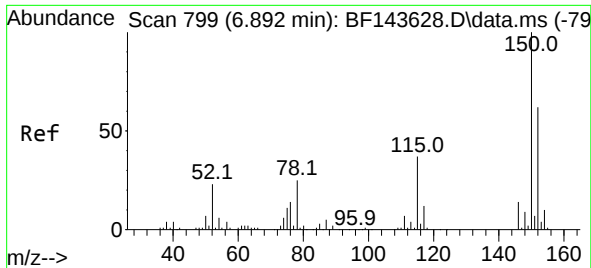
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	13619	5.007	ng	98
46) 1,1'-Biphenyl	9.345	154	54673	4.968	ng	99
47) 2-Chloronaphthalene	9.369	162	42406	4.924	ng	98
48) 2-Nitroaniline	9.457	65	8995	6.771	ng	95
49) Acenaphthylene	9.786	152	66817	5.384	ng	99
50) Dimethylphthalate	9.639	163	47611	4.860	ng	99
51) 2,6-Dinitrotoluene	9.698	165	7992	7.921	ng	95
52) Acenaphthene	9.957	154	39635	4.774	ng	99
53) 3-Nitroaniline	9.869	138	8508	7.056	ng	98
54) 2,4-Dinitrophenol	9.969	184	1290	8.451	ng #	1
55) Dibenzofuran	10.127	168	59218	4.910	ng	99
56) 4-Nitrophenol	10.010	139	5441	3.746	ng	91
57) 2,4-Dinitrotoluene	10.098	165	8718	7.191	ng	97
58) Fluorene	10.474	166	46591	4.994	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	10340	5.006	ng #	98
60) Diethylphthalate	10.339	149	44048	4.736	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	22630	4.861	ng	98
62) 4-Nitroaniline	10.474	138	7529	6.492	ng	97
63) Azobenzene	10.627	77	42197	4.813	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	2518	10.465	ng	95
66) n-Nitrosodiphenylamine	10.580	169	40489	4.957	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	13399	4.565	ng	99
68) Hexachlorobenzene	11.016	284	14765	4.789	ng	99
69) Atrazine	11.104	200	10784	4.416	ng	99
70) Pentachlorophenol	11.210	266	6281	3.627	ng	96
71) Phenanthrene	11.433	178	67846	4.958	ng	99
72) Anthracene	11.486	178	65364	4.762	ng	99
73) Carbazole	11.633	167	55549	4.802	ng	99
74) Di-n-butylphthalate	11.974	149	57215	4.405	ng	99
75) Fluoranthene	12.621	202	60889	4.845	ng	99
77) Benzidine	12.745	184	22440	5.807	ng	96
78) Pyrene	12.851	202	61064	4.381	ng	99
80) Butylbenzylphthalate	13.468	149	14129	6.262	ng	99
81) Benzo(a)anthracene	14.033	228	51770	4.732	ng	97
82) 3,3'-Dichlorobenzidine	13.998	252	13212	4.430	ng	99
83) Chrysene	14.074	228	42999	4.372	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	21422	6.127	ng	98
85) Di-n-octyl phthalate	14.645	149	32490	3.242	ng	99
87) Indeno(1,2,3-cd)pyrene	17.003	276	46873	4.378	ng	99
88) Benzo(b)fluoranthene	15.086	252	37881	4.094	ng	99
89) Benzo(k)fluoranthene	15.115	252	40382	5.046	ng	99
90) Benzo(a)pyrene	15.456	252	36325	4.567	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	38209	4.339	ng	97
92) Benzo(g,h,i)perylene	17.450	276	37146	4.379	ng	99

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

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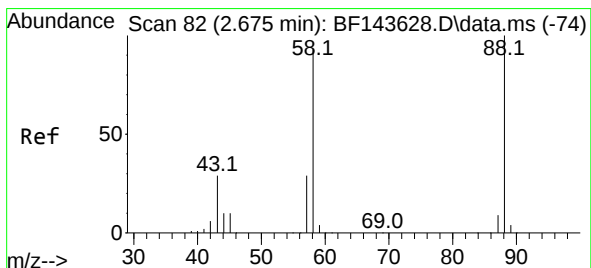
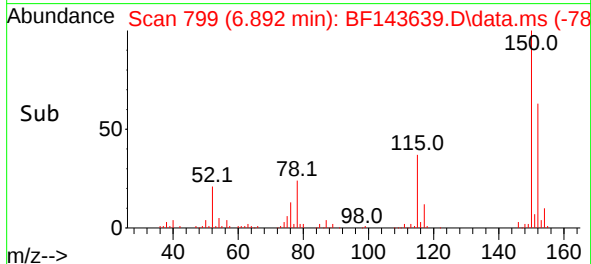
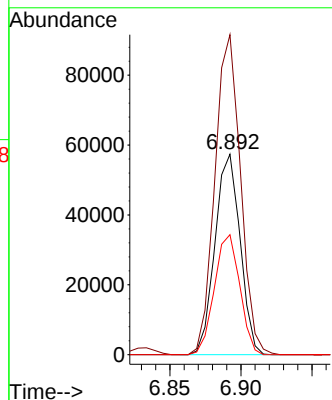
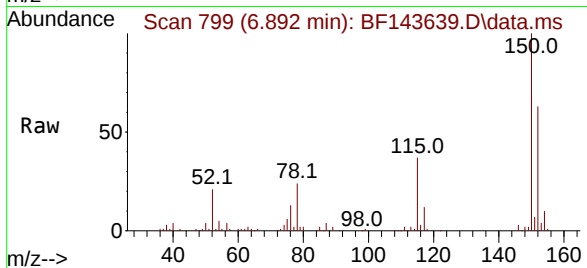




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143639.D
 Acq: 04 Sep 2025 12:46

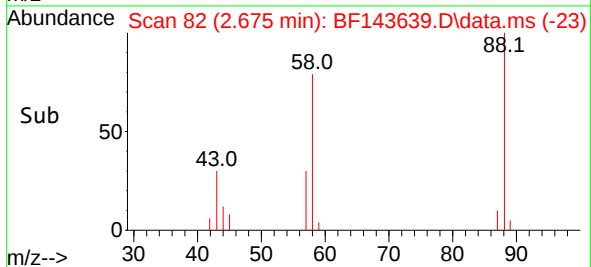
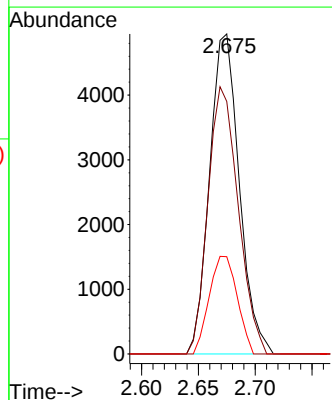
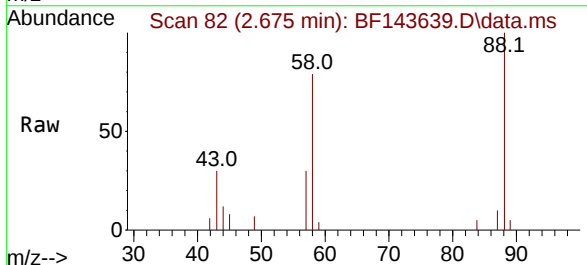
Instrument :
 BNA_F
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 LOQ-SOIL-02-QT3-2025

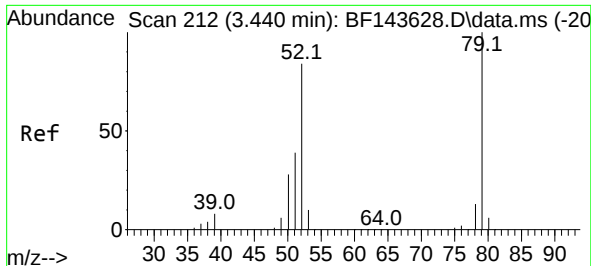
Tgt Ion:152 Resp: 70586
 Ion Ratio Lower Upper
 152 100
 150 159.6 128.4 192.6
 115 59.8 47.9 71.9



#2
 1,4-Dioxane
 Concen: 4.786 ng
 RT: 2.675 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: BF143639.D
 Acq: 04 Sep 2025 12:46

Tgt Ion: 88 Resp: 8997
 Ion Ratio Lower Upper
 88 100
 58 85.1 73.9 110.9
 43 28.7 23.4 35.2

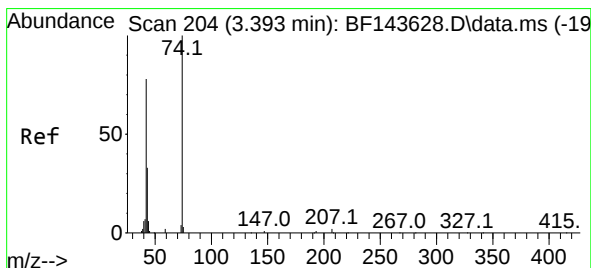
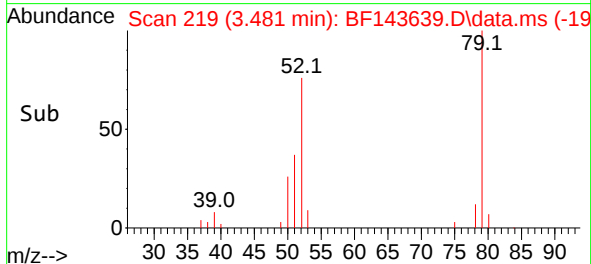
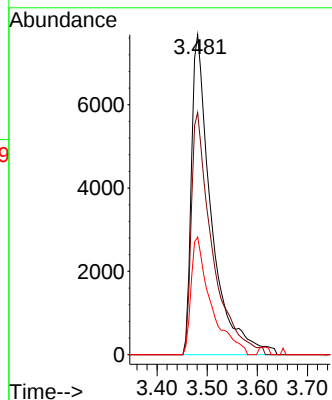
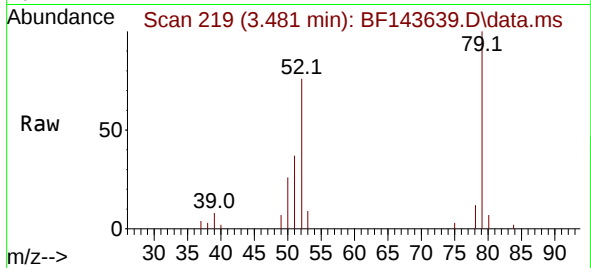




#3
Pyridine
Concen: 4.239 ng
RT: 3.481 min Scan# 211
Delta R.T. 0.041 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

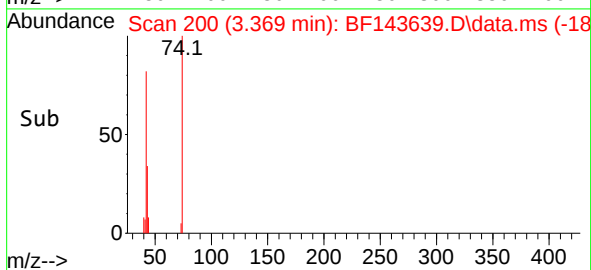
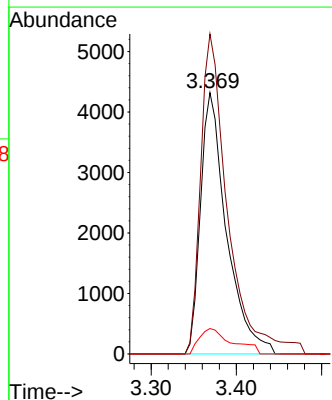
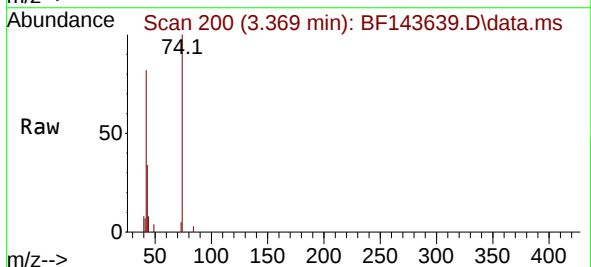
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

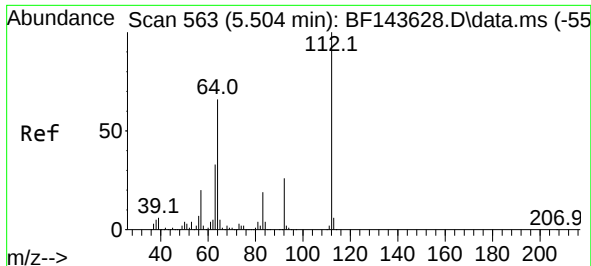
Tgt Ion: 79 Resp: 21113
Ion Ratio Lower Upper
79 100
52 75.7 67.4 101.2
51 36.8 31.0 46.6



#4
n-Nitrosodimethylamine
Concen: 4.423 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.024 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion: 42 Resp: 9149
Ion Ratio Lower Upper
42 100
74 122.5 102.9 154.3
44 9.7 6.5 9.7#

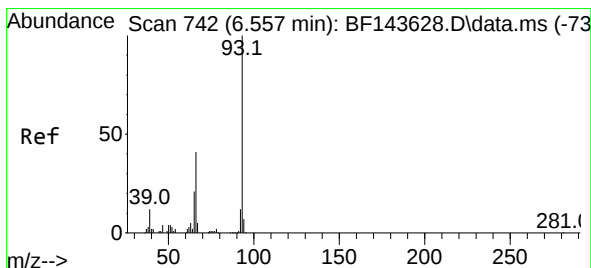
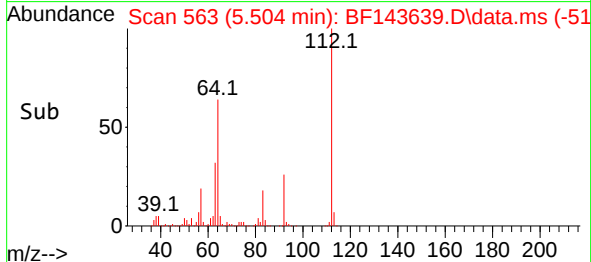
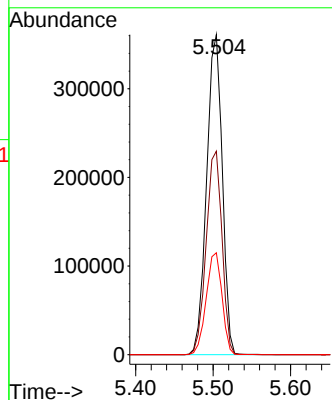
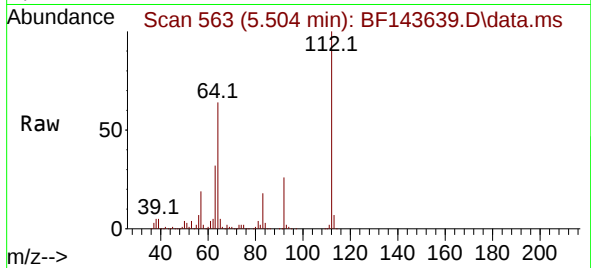




#5
2-Fluorophenol
Concen: 126.952 ng
RT: 5.504 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

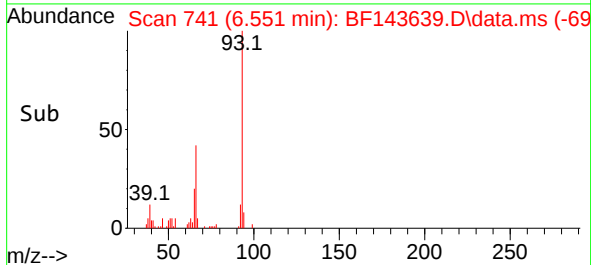
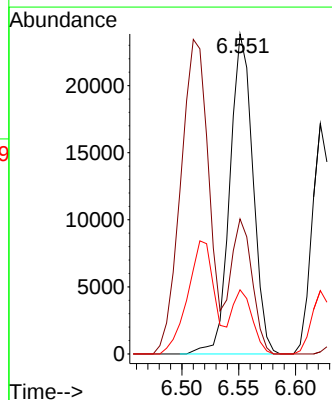
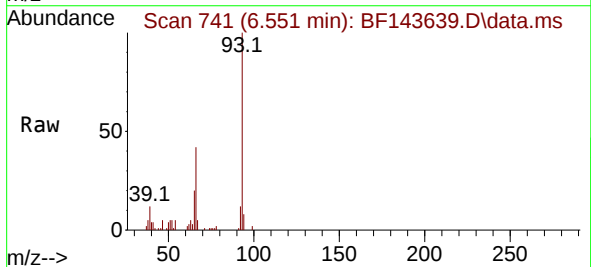
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ClientSampleId :
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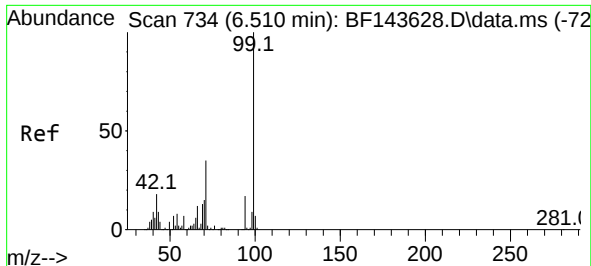
Tgt Ion:112 Resp: 505828
Ion Ratio Lower Upper
112 100
64 63.6 52.7 79.1
63 31.9 26.5 39.7



#6
Aniline
Concen: 4.875 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion: 93 Resp: 33559
Ion Ratio Lower Upper
93 100
66 42.2 34.6 51.8
65 20.0 16.9 25.3

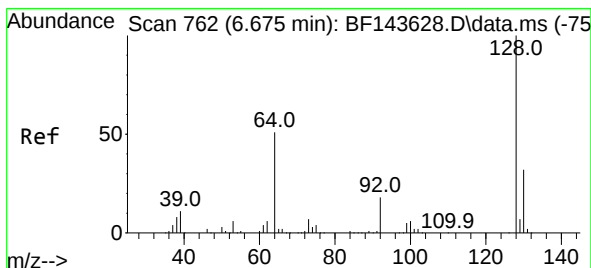
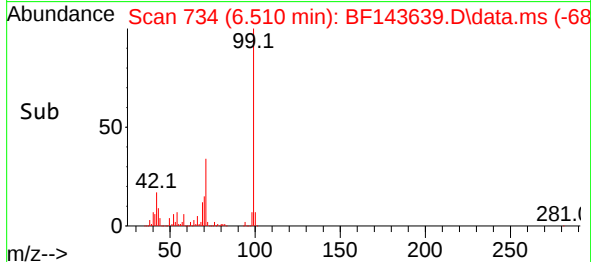
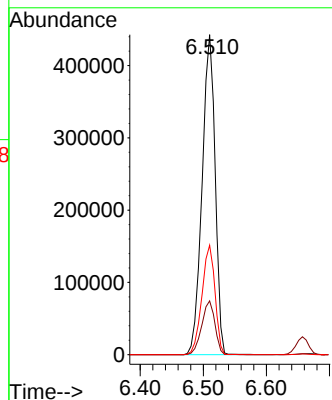
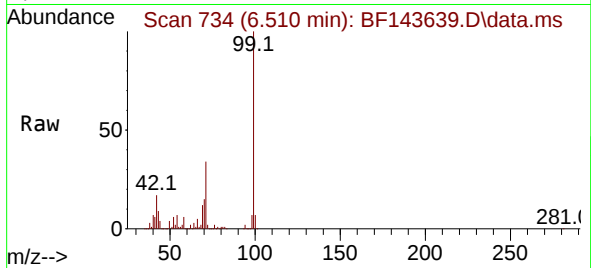




#7
Phenol-d6
Concen: 128.788 ng
RT: 6.510 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

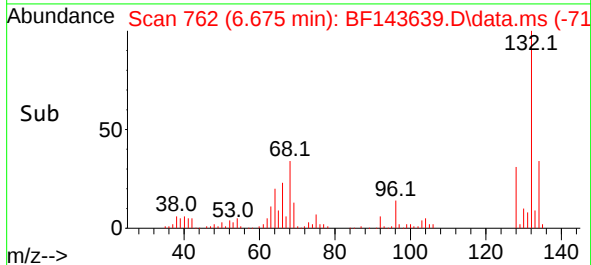
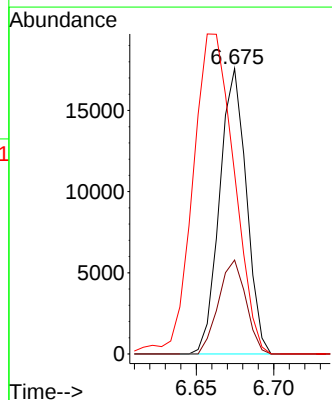
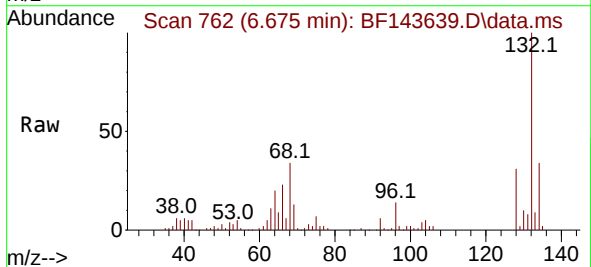
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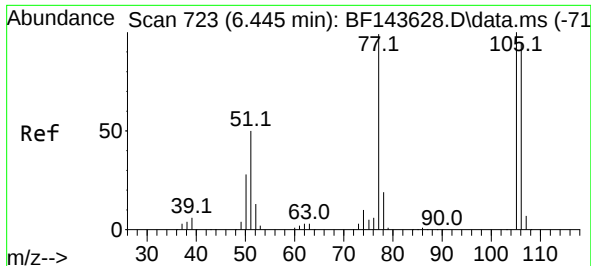
Tgt Ion: 99 Resp: 636886
Ion Ratio Lower Upper
99 100
42 16.8 14.6 22.0
71 34.2 28.0 42.0



#8
2-Chlorophenol
Concen: 5.107 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion: 128 Resp: 21071
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 63.3 32.9 72.9

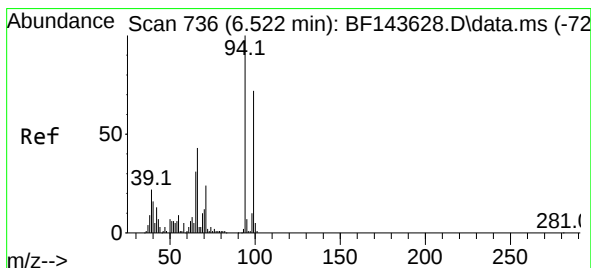
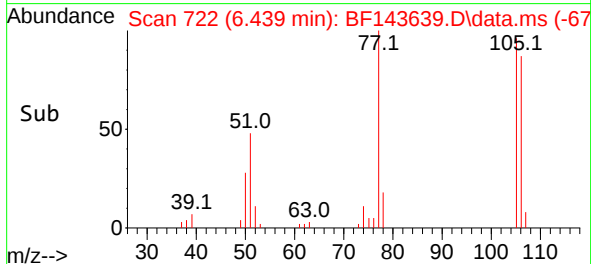
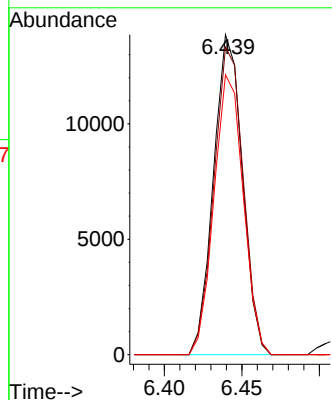
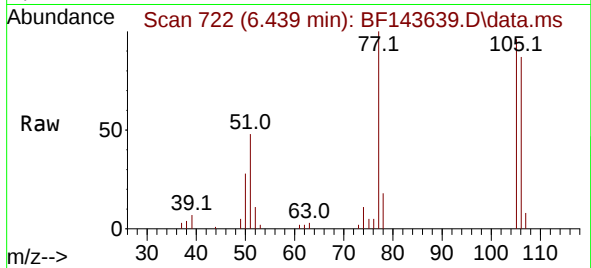




#9
Benzaldehyde
Concen: 4.880 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143639.D
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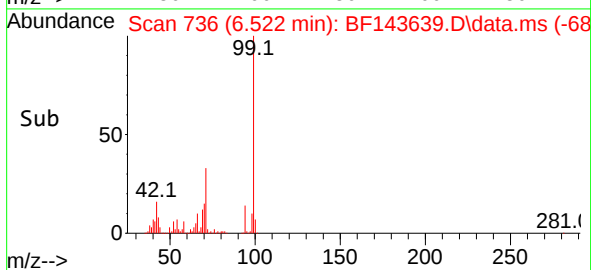
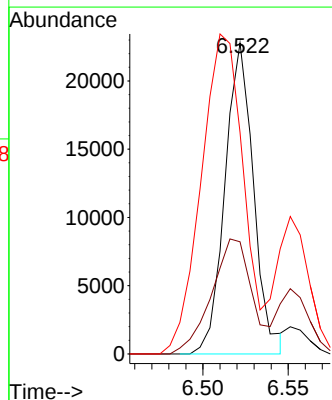
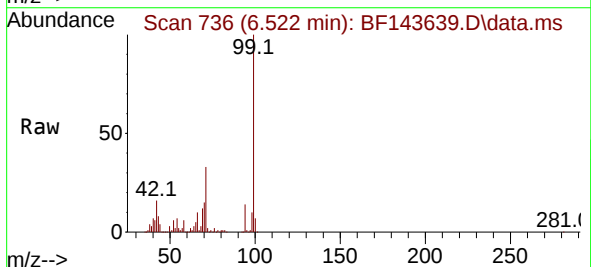
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 77 Resp: 17932
Ion Ratio Lower Upper
77 100
105 96.1 80.9 120.9
106 87.4 75.1 115.1



#10
Phenol
Concen: 4.900 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion: 94 Resp: 26564
Ion Ratio Lower Upper
94 100
65 36.0 11.4 51.4
66 71.2 23.7 63.7#

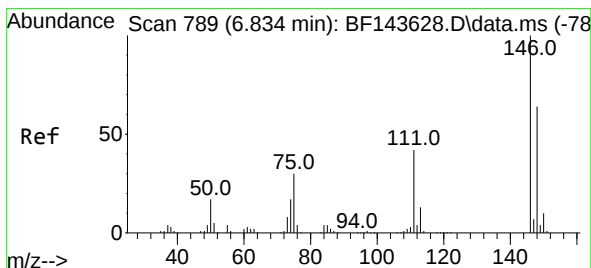
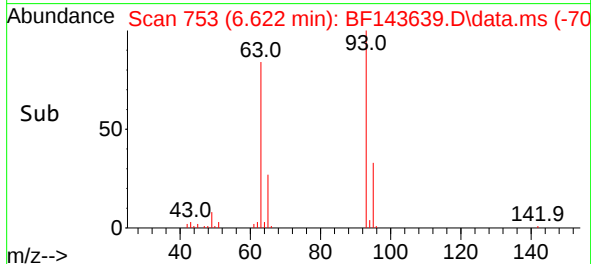
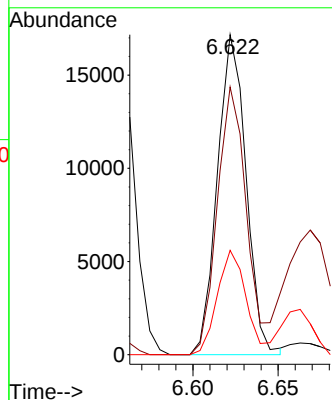
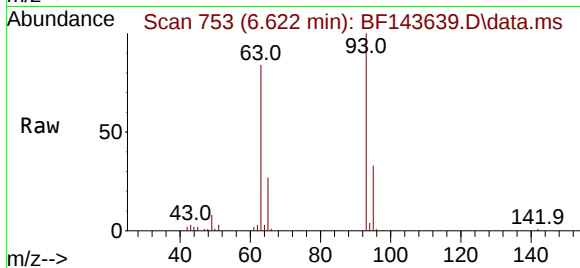




#11
bis(2-Chloroethyl)ether
Concen: 4.728 ng
RT: 6.622 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

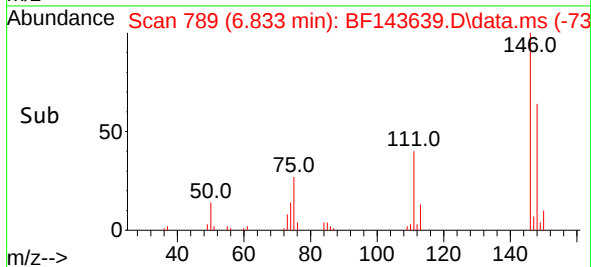
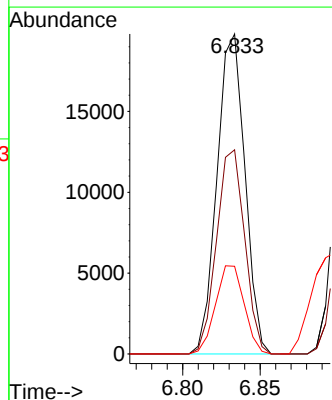
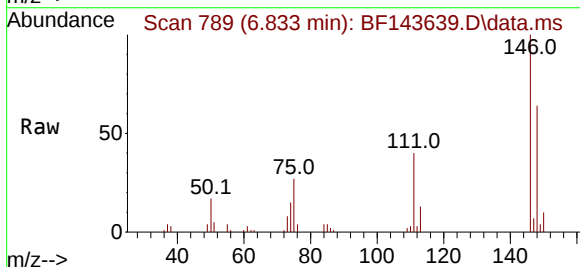
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

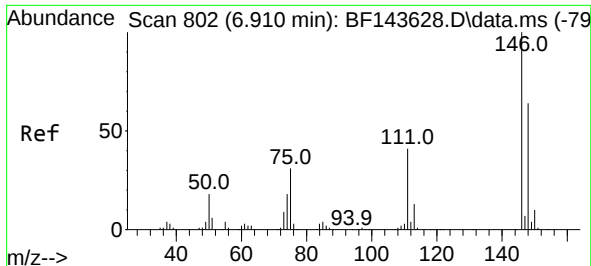
Tgt Ion: 93 Resp: 20078
Ion Ratio Lower Upper
93 100
63 83.6 66.5 106.5
95 32.6 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 4.872 ng
RT: 6.833 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion: 146 Resp: 24811
Ion Ratio Lower Upper
146 100
148 63.8 50.9 76.3
75 27.4 24.2 36.2

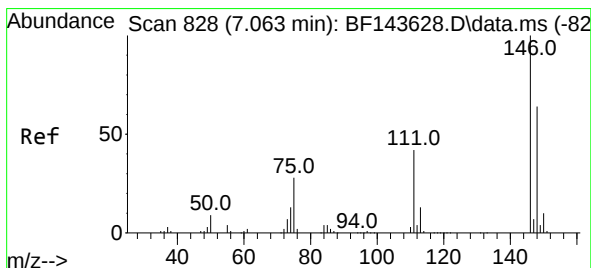
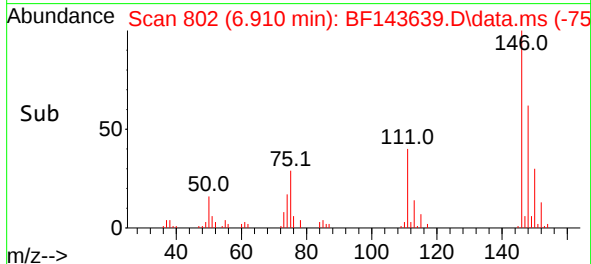
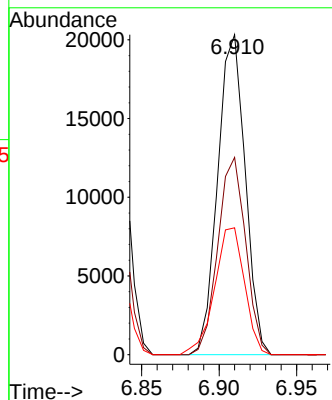
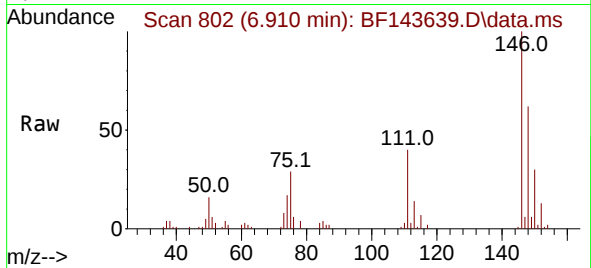




#13
1,4-Dichlorobenzene
Concen: 4.915 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

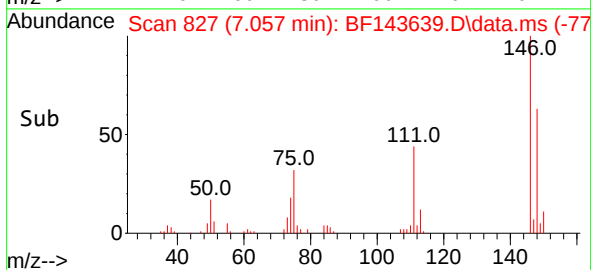
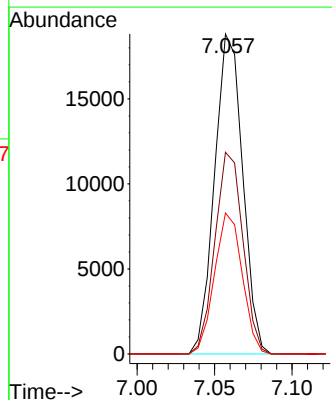
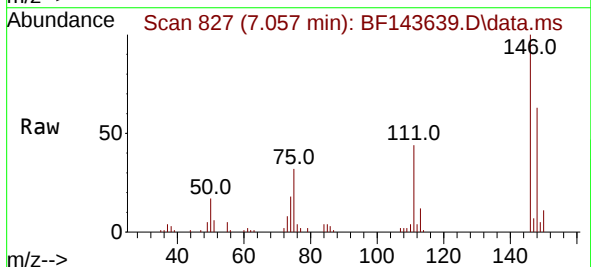
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

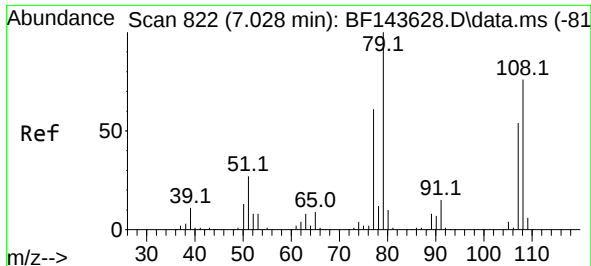
Tgt Ion:146 Resp: 25103
Ion Ratio Lower Upper
146 100
148 61.7 51.4 77.2
111 39.6 33.1 49.7



#14
1,2-Dichlorobenzene
Concen: 4.908 ng
RT: 7.057 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:146 Resp: 23723
Ion Ratio Lower Upper
146 100
148 63.1 51.2 76.8
111 44.0 33.9 50.9

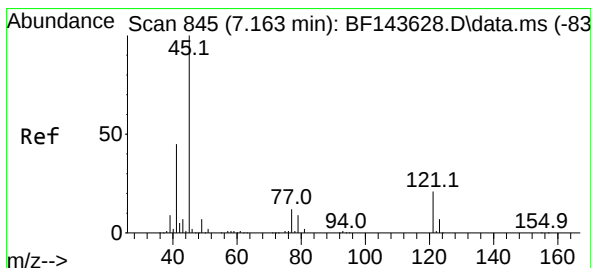
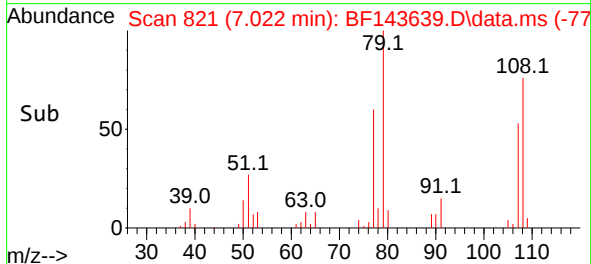
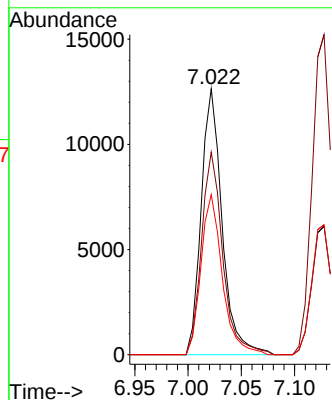
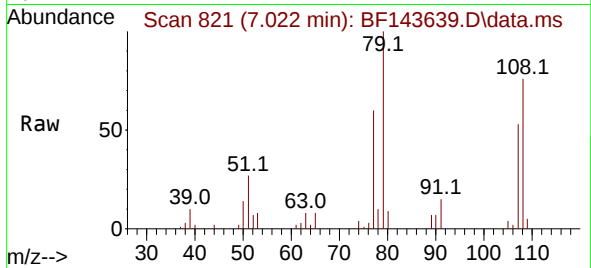




#15
Benzyl Alcohol
Concen: 4.610 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

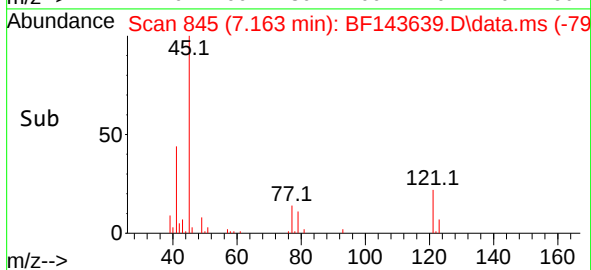
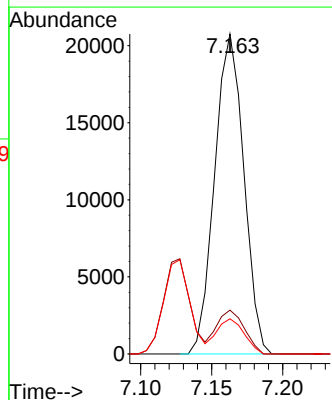
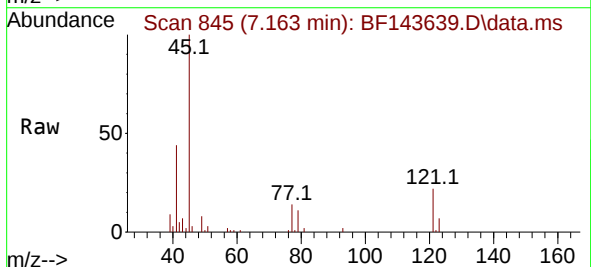
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

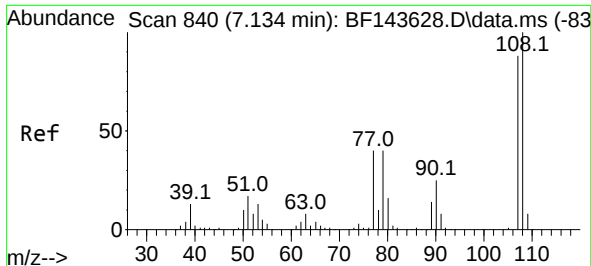
Tgt Ion: 79 Resp: 17323
Ion Ratio Lower Upper
79 100
108 76.2 60.9 91.3
77 60.2 48.4 72.6



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.433 ng
RT: 7.163 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion: 45 Resp: 29623
Ion Ratio Lower Upper
45 100
77 13.7 0.0 33.5
79 11.0 0.0 29.8

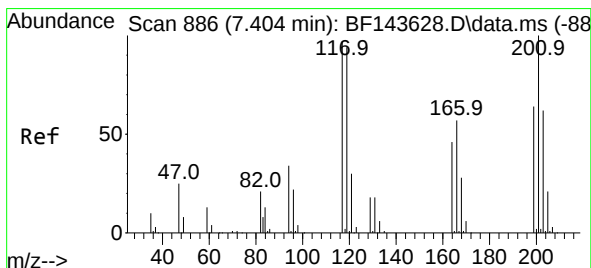
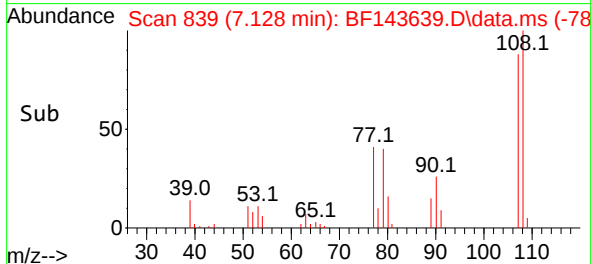
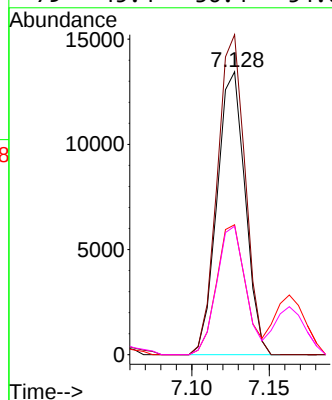
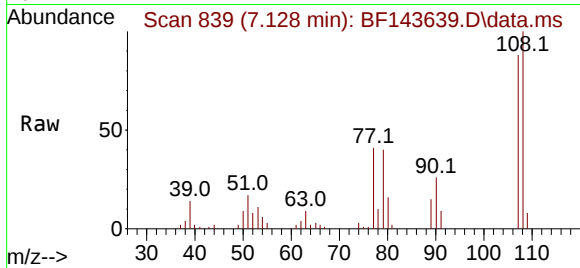




#17
2-Methylphenol
Concen: 4.704 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

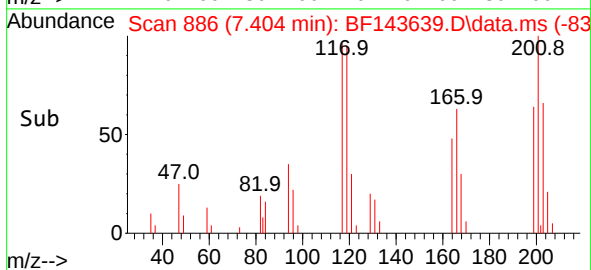
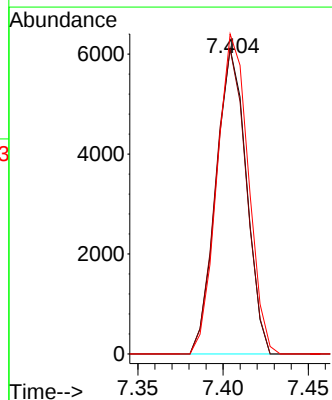
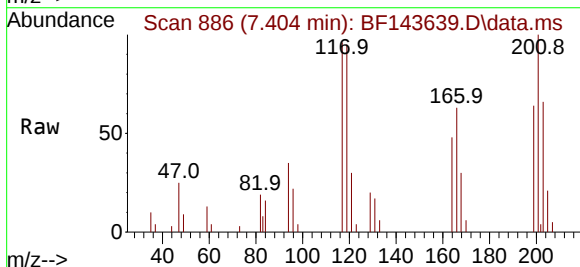
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:	107	Resp:	16972
Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.5	135.7
77	45.9	35.9	53.9
79	45.4	36.4	54.6



#18
Hexachloroethane
Concen: 4.741 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:	117	Resp:	7555
Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.7	116.5
201	104.7	82.7	124.1

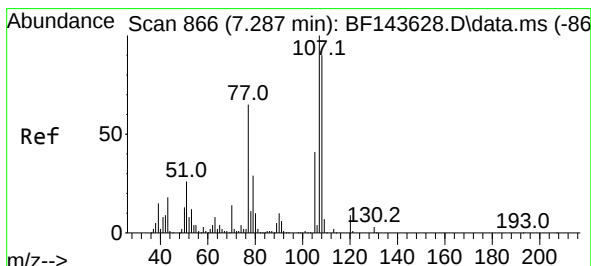
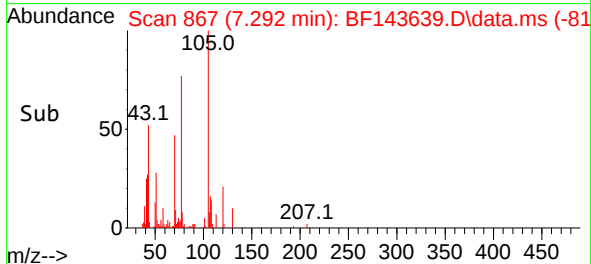
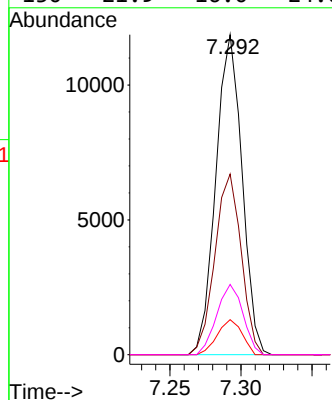
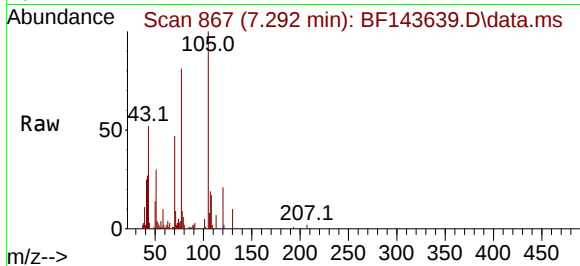




#19
n-Nitroso-di-n-propylamine
Concen: 4.834 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

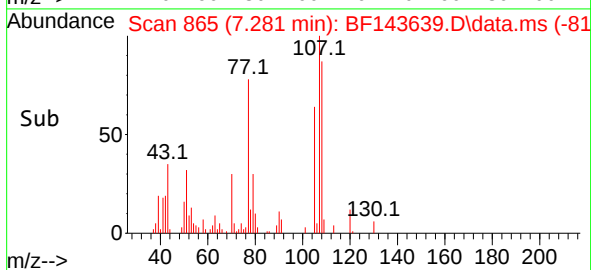
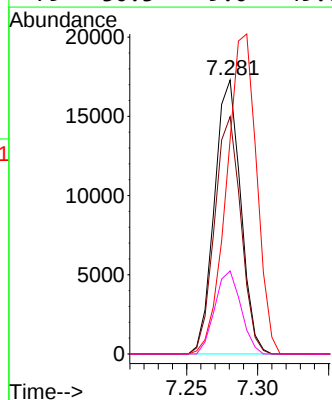
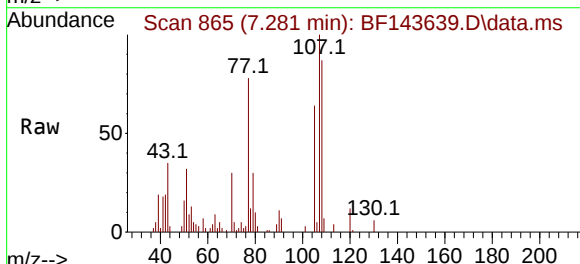
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

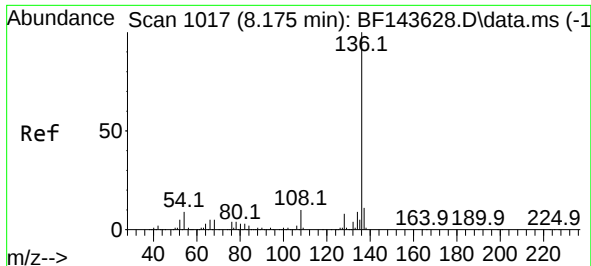
Tgt Ion:	70	Resp:	15222
Ion	Ratio	Lower	Upper
70	100		
42	56.4	45.2	67.8
101	10.9	7.6	11.4
130	21.9	16.0	24.0



#20
3+4-Methylphenols
Concen: 4.894 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:	107	Resp:	22225
Ion	Ratio	Lower	Upper
107	100		
108	86.6	69.6	109.6
77	78.3	45.5	85.5
79	30.3	9.0	49.0

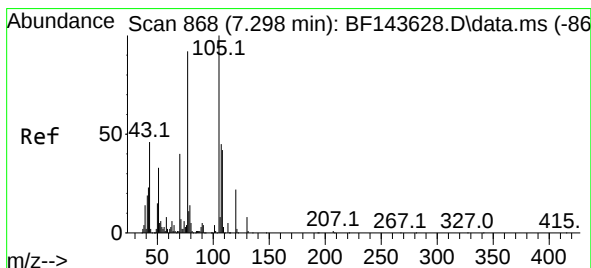
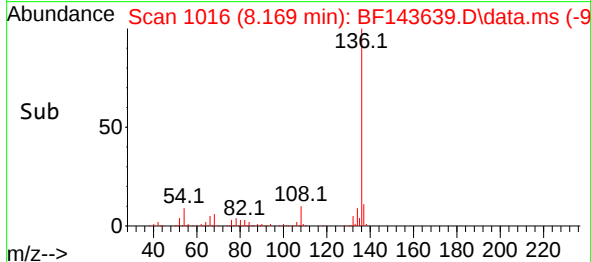
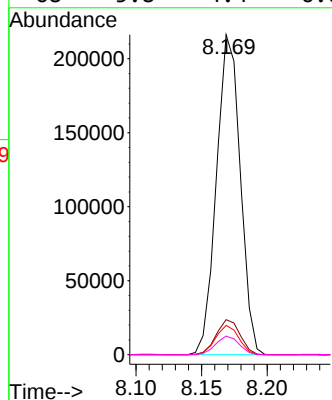
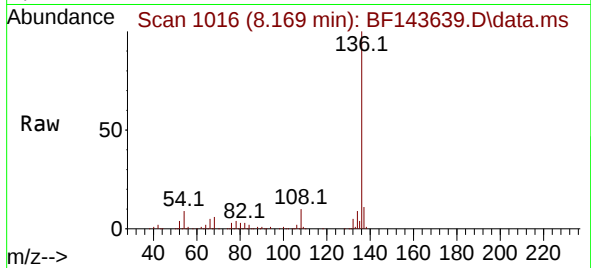




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

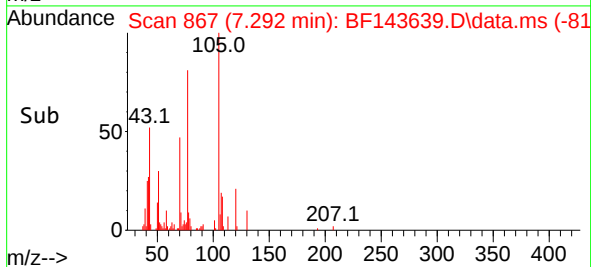
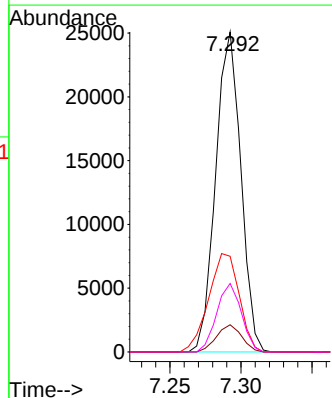
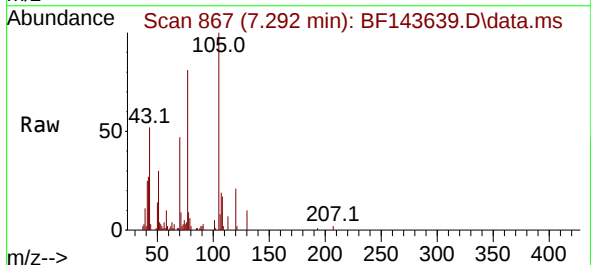
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

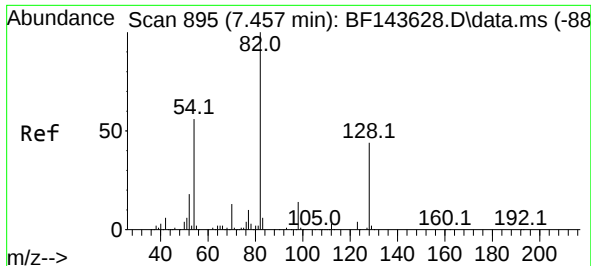
Tgt Ion:136 Resp: 272791
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.1 7.3 10.9
68 5.8 4.4 6.6



#22
Acetophenone
Concen: 5.003 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:105 Resp: 30864
Ion Ratio Lower Upper
105 100
71 8.5 5.3 7.9#
51 29.9 26.7 40.1
120 21.4 17.5 26.3





#23

Nitrobenzene-d5

Concen: 99.996 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

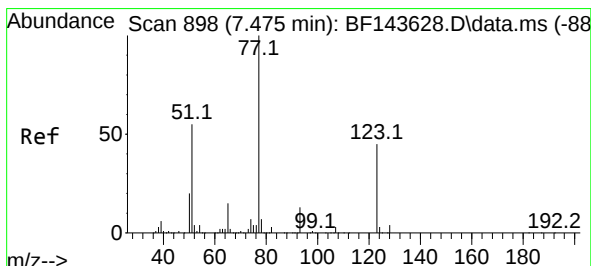
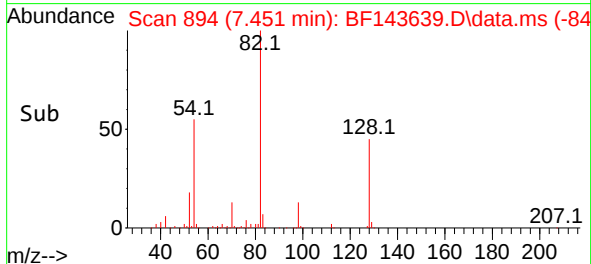
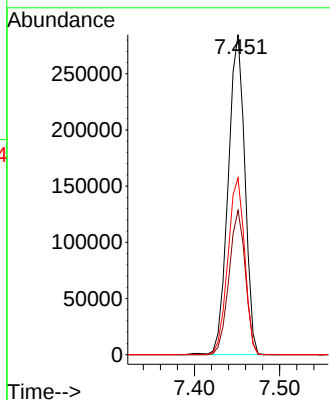
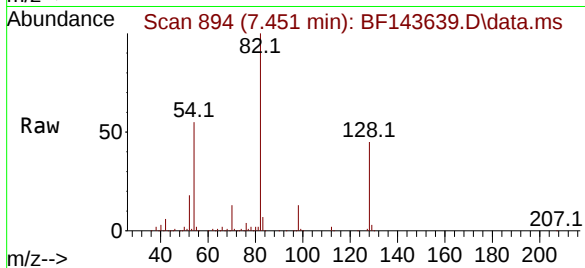
Tgt Ion: 82 Resp: 388113

Ion Ratio Lower Upper

82 100

128 45.1 34.7 52.1

54 55.2 44.8 67.2



#24

Nitrobenzene

Concen: 5.246 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

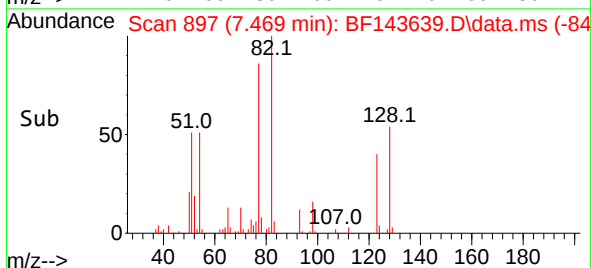
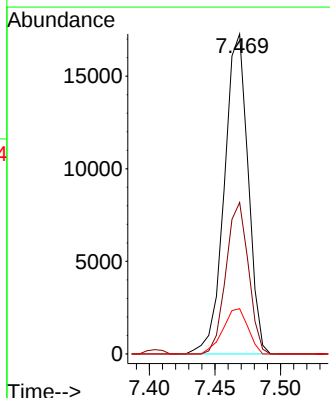
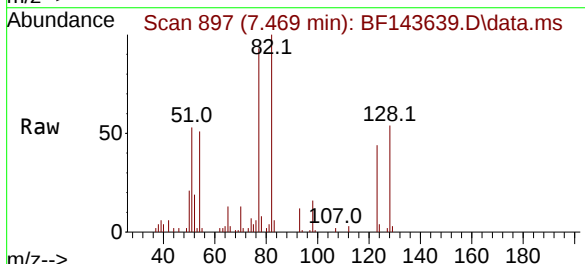
Tgt Ion: 77 Resp: 21769

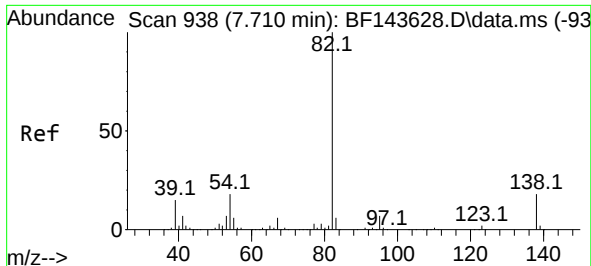
Ion Ratio Lower Upper

77 100

123 47.3 36.2 54.4

65 14.1 11.8 17.8

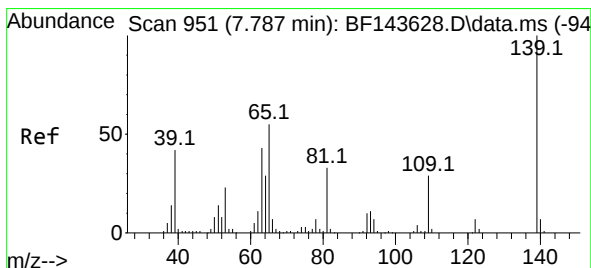
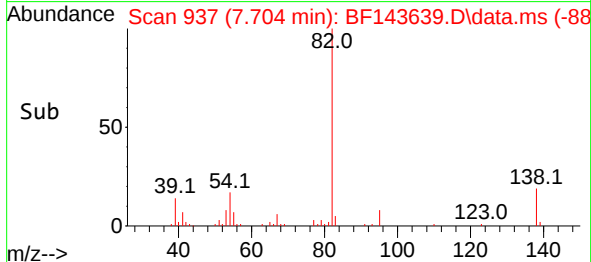
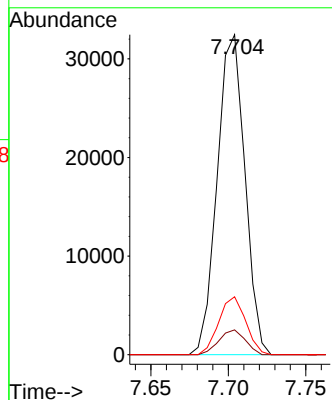
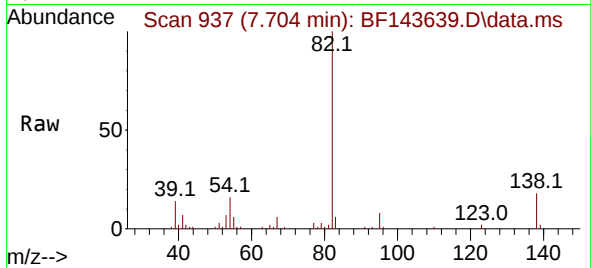




#25
Isophorone
Concen: 4.612 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

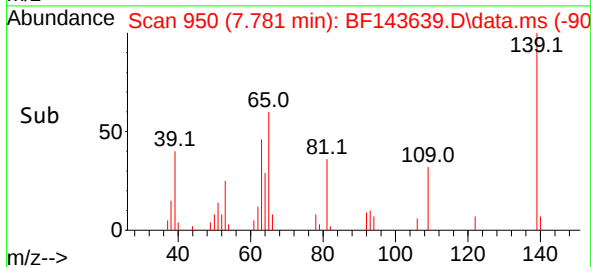
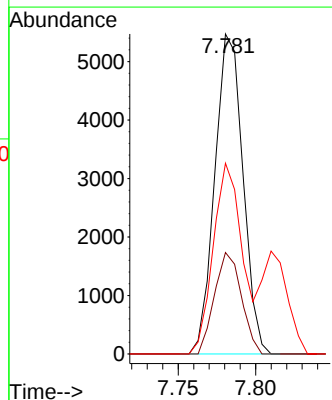
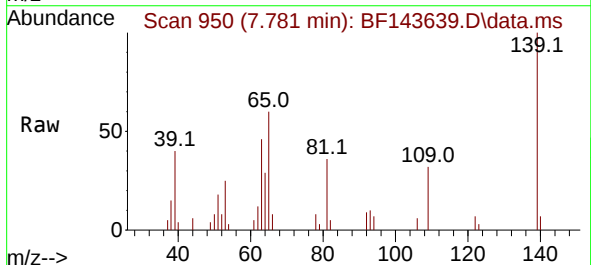
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

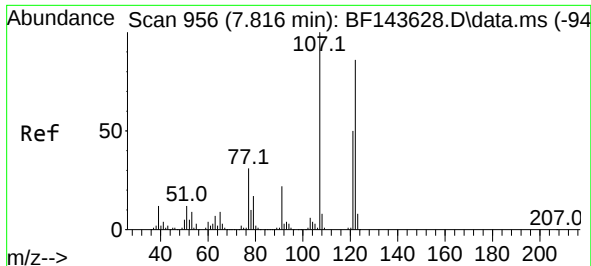
Tgt Ion: 82 Resp: 40337
Ion Ratio Lower Upper
82 100
95 7.7 5.8 8.8
138 18.1 14.2 21.2



#26
2-Nitrophenol
Concen: 7.506 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:139 Resp: 6910
Ion Ratio Lower Upper
139 100
109 31.7 23.5 35.3
65 59.6 44.1 66.1





#27

2,4-Dimethylphenol

Concen: 5.189 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143639.D

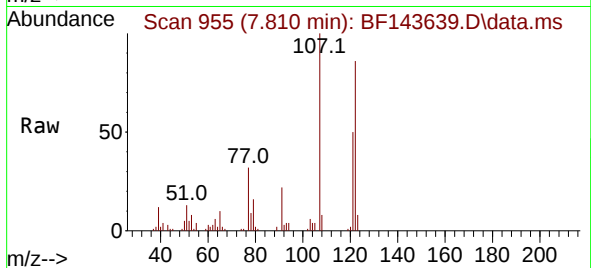
Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025



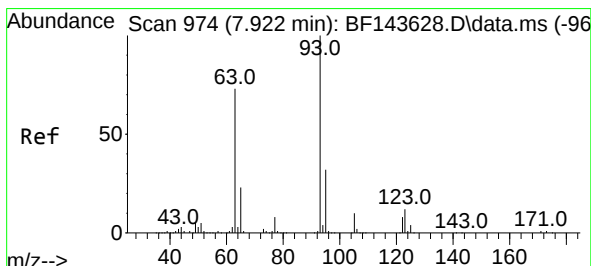
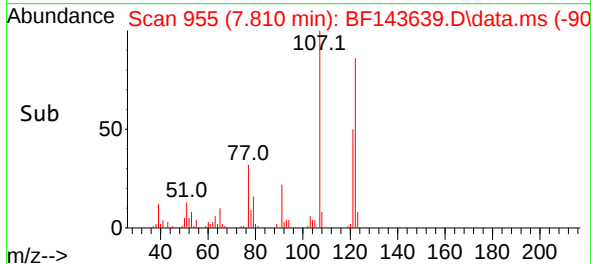
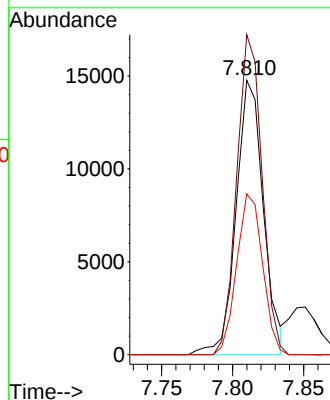
Tgt Ion:122 Resp: 19761

Ion Ratio Lower Upper

122 100

107 116.6 93.4 140.0

121 58.6 46.9 70.3



#28

bis(2-Chloroethoxy)methane

Concen: 4.806 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

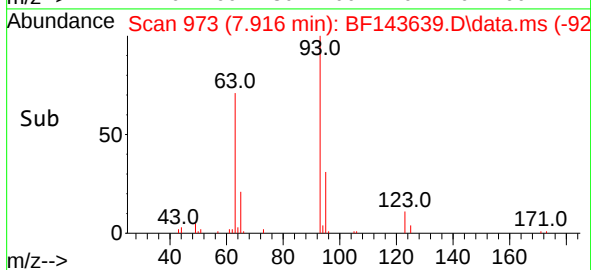
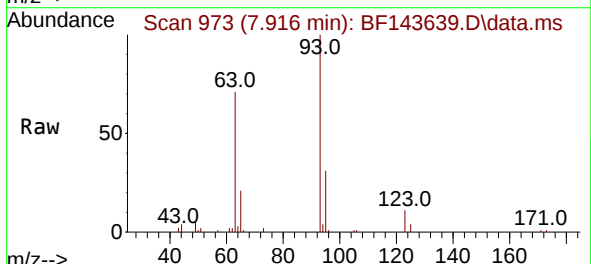
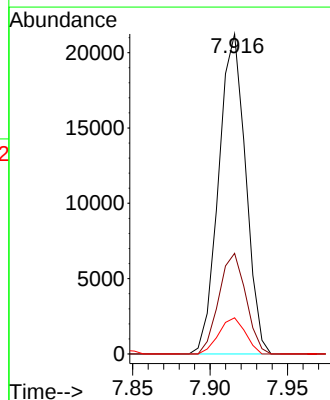
Tgt Ion: 93 Resp: 25698

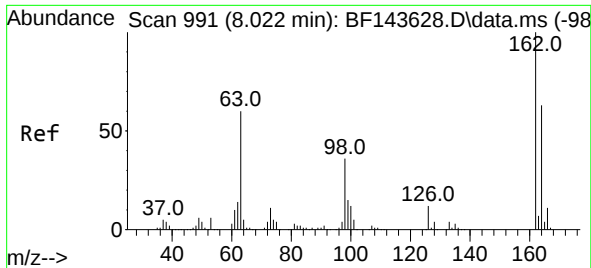
Ion Ratio Lower Upper

93 100

95 31.5 25.8 38.8

123 11.3 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.604 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

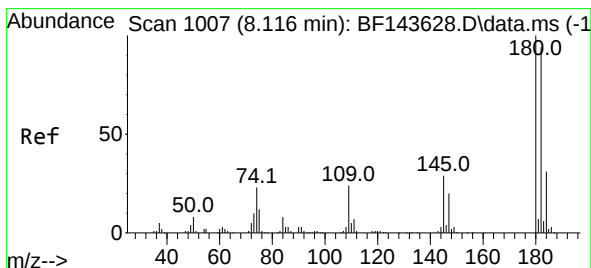
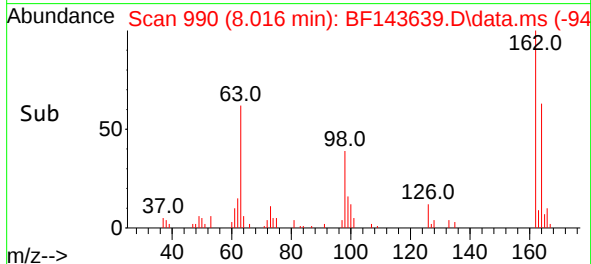
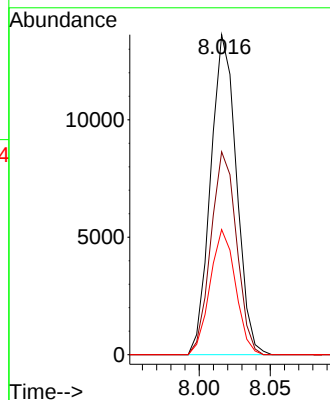
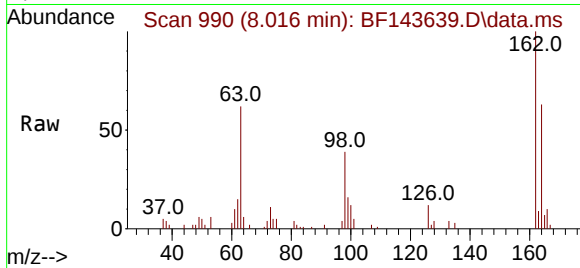
Tgt Ion:162 Resp: 17202

Ion Ratio Lower Upper

162 100

164 63.4 42.9 82.9

98 39.1 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 4.933 ng

RT: 8.110 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

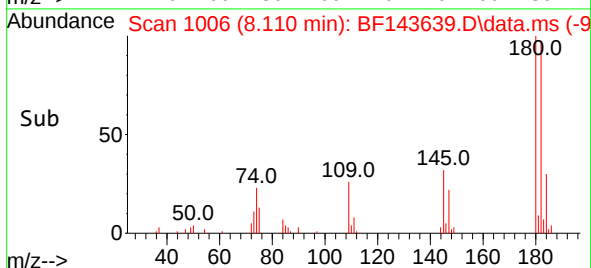
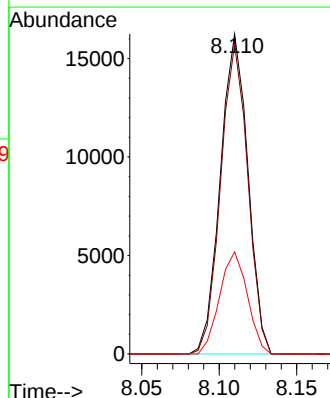
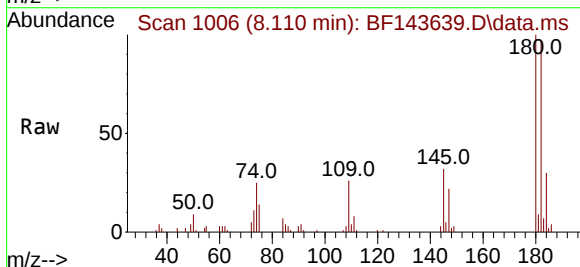
Tgt Ion:180 Resp: 20090

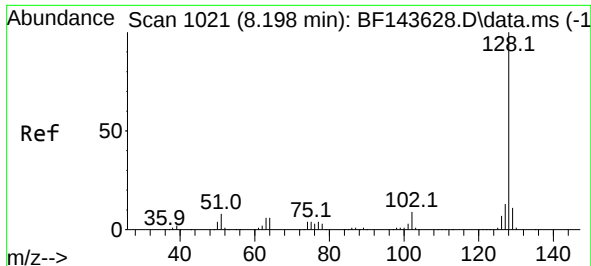
Ion Ratio Lower Upper

180 100

182 96.8 75.2 112.8

145 31.9 23.6 35.4

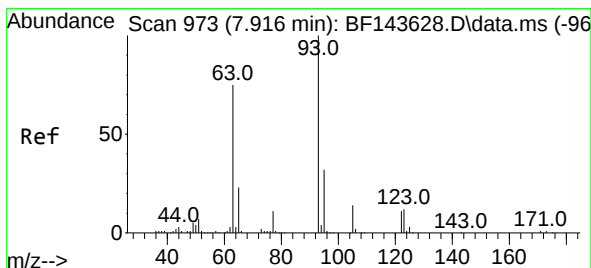
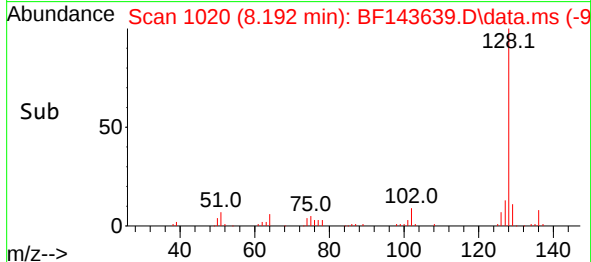
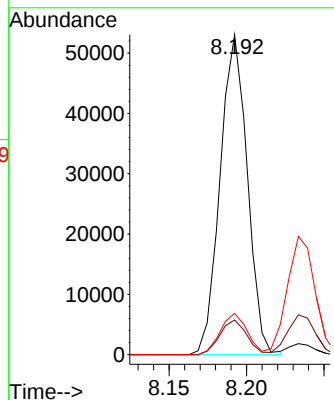
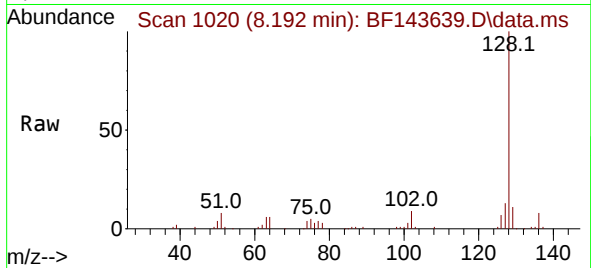




#31
Naphthalene
Concen: 4.846 ng
RT: 8.192 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

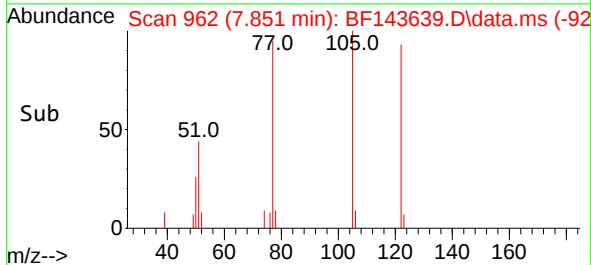
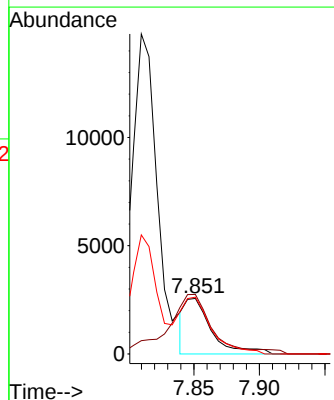
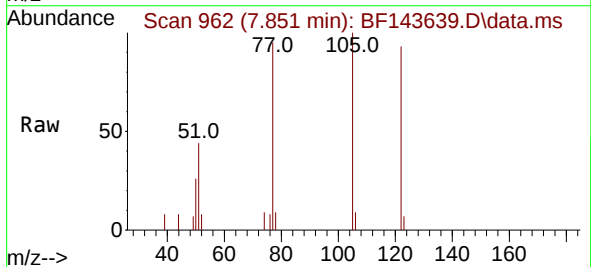
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

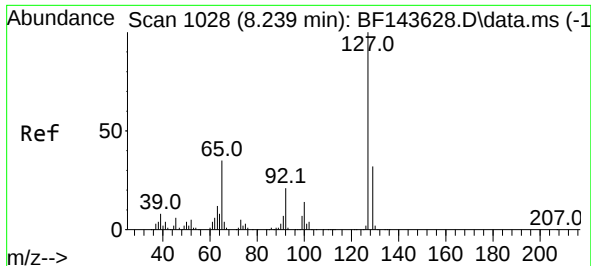
Tgt Ion:128 Resp: 64658
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.9 10.6 16.0



#32
Benzoic acid
Concen: 8.838 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.065 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:122 Resp: 3609
Ion Ratio Lower Upper
122 100
105 107.1 105.9 145.9
77 102.2 78.6 118.6

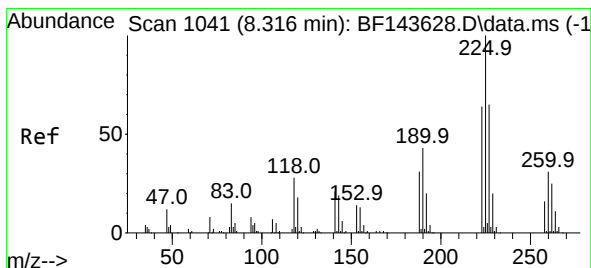
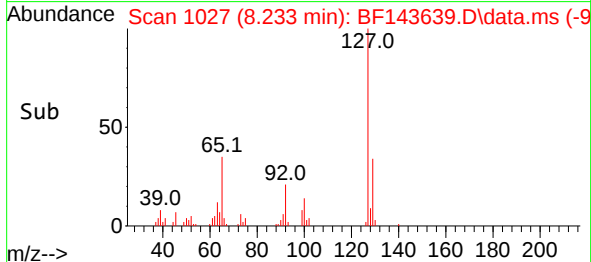
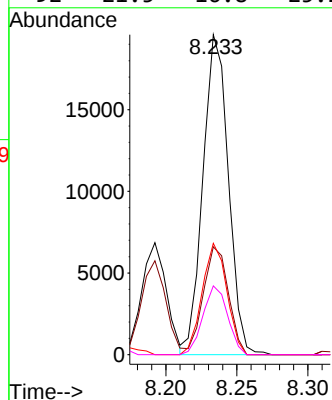
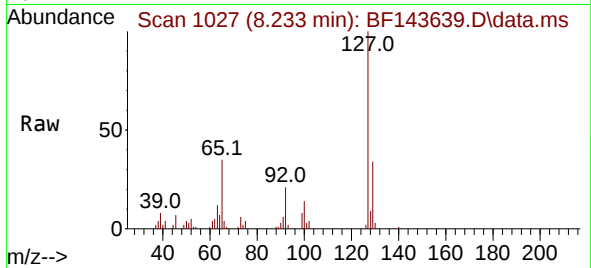




#33
4-Chloroaniline
Concen: 5.287 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

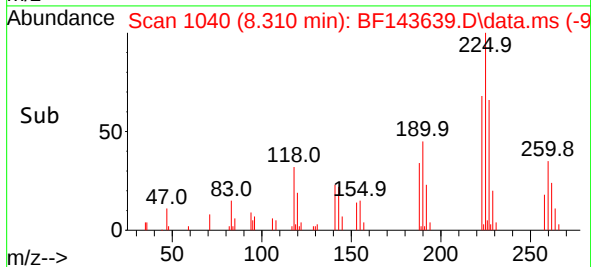
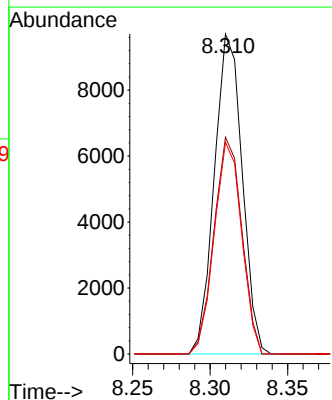
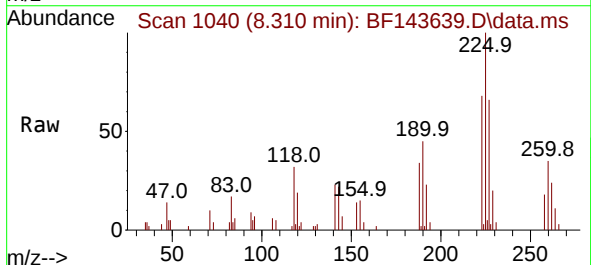
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2025

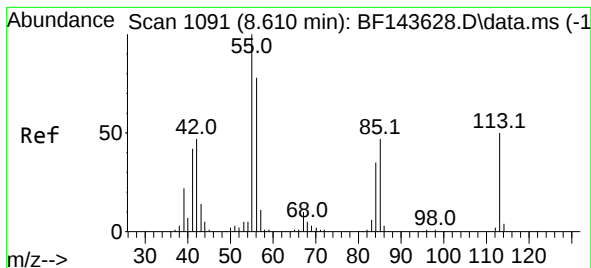
Tgt Ion:127	Resp:	24426
Ion Ratio	Lower	Upper
127	100	
129	33.7	26.2 39.2
65	34.8	27.6 41.4
92	21.5	16.8 25.2



#34
Hexachlorobutadiene
Concen: 4.574 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:225	Resp:	12115
Ion Ratio	Lower	Upper
225	100	
223	67.8	51.3 76.9
227	66.2	51.7 77.5





#35

Caprolactam

Concen: 3.960 ng

RT: 8.557 min Scan# 1107

Delta R.T. -0.053 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

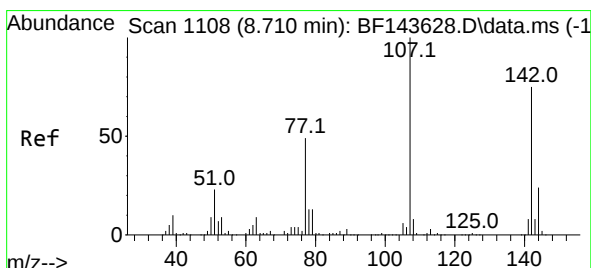
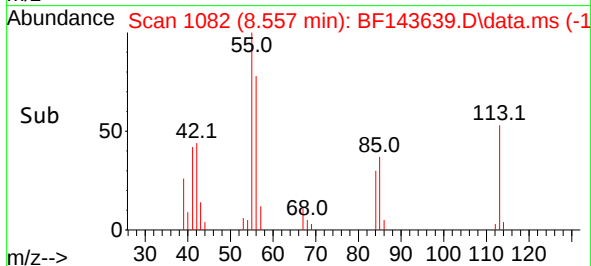
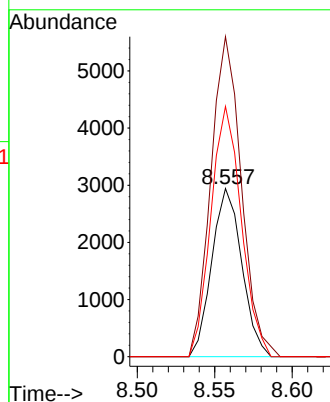
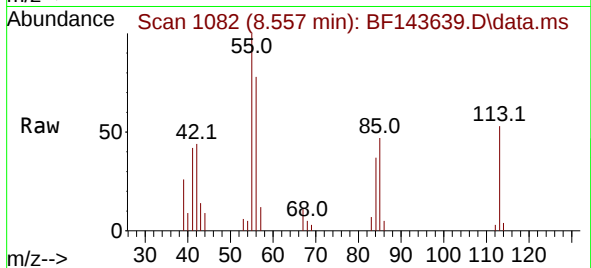
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion:	113	Resp:	3965
Ion	Ratio	Lower	Upper
113	100		
55	190.3	180.5	220.5
56	148.9	134.8	174.8



#36

4-Chloro-3-methylphenol

Concen: 4.480 ng

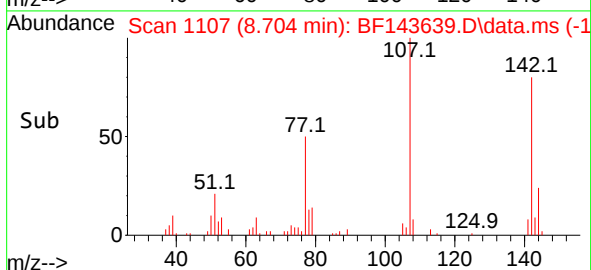
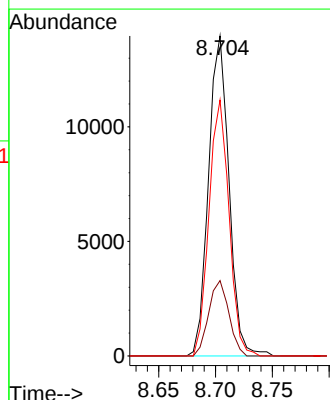
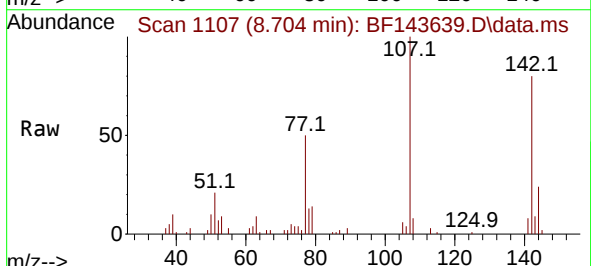
RT: 8.704 min Scan# 1107

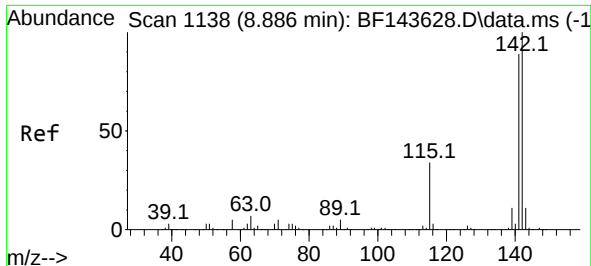
Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Tgt Ion:	107	Resp:	17529
Ion	Ratio	Lower	Upper
107	100		
144	23.6	19.0	28.6
142	80.0	60.3	90.5





#37

2-Methylnaphthalene

Concen: 4.334 ng

RT: 8.880 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

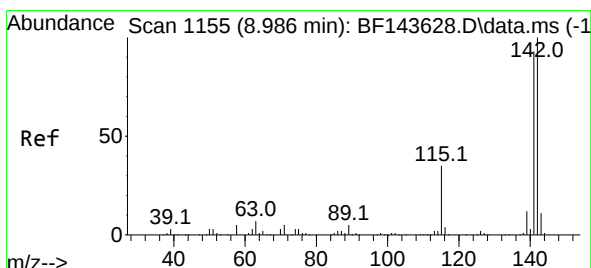
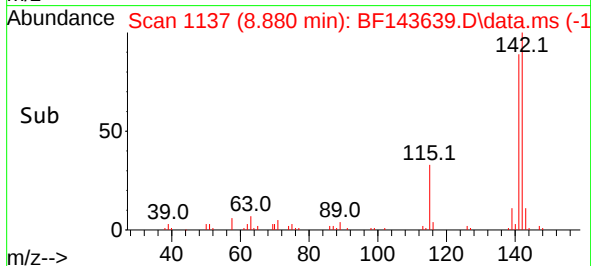
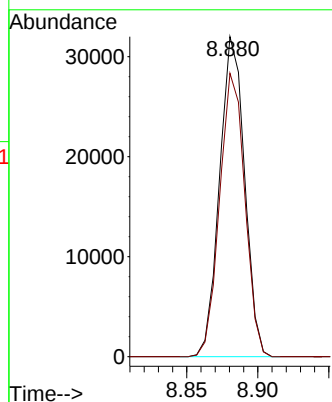
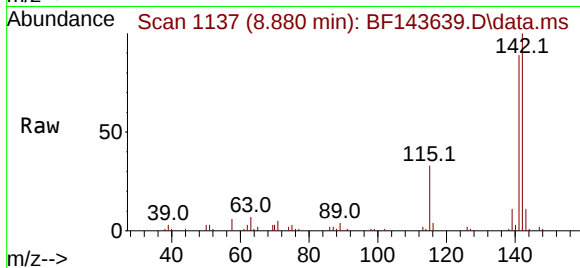
LOQ-SOIL-02-QT3-2025

Tgt Ion:142 Resp: 39119

Ion Ratio Lower Upper

142 100

141 88.6 70.8 106.2



#38

1-Methylnaphthalene

Concen: 4.811 ng

RT: 8.980 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF143639.D

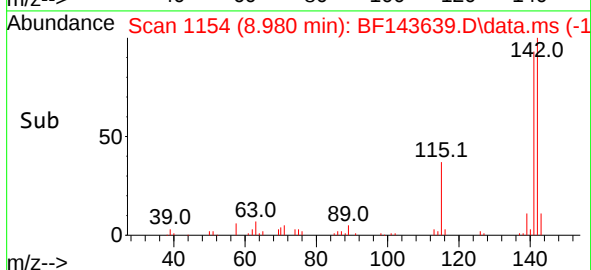
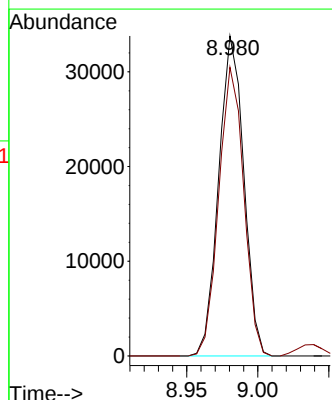
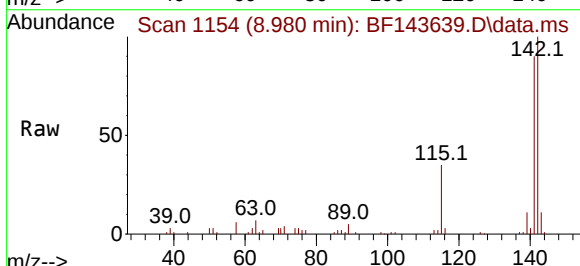
Acq: 04 Sep 2025 12:46

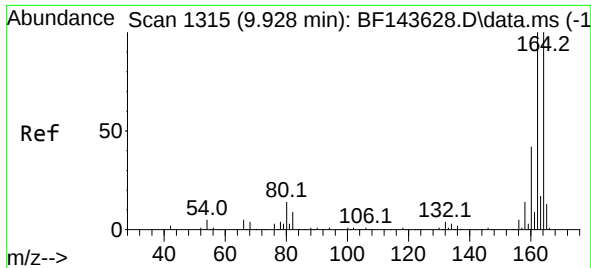
Tgt Ion:142 Resp: 41518

Ion Ratio Lower Upper

142 100

141 90.2 74.5 111.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1165

Delta R.T. -0.001 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

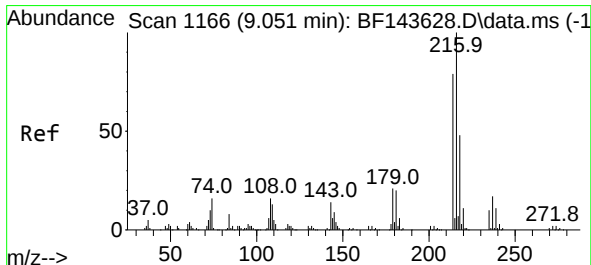
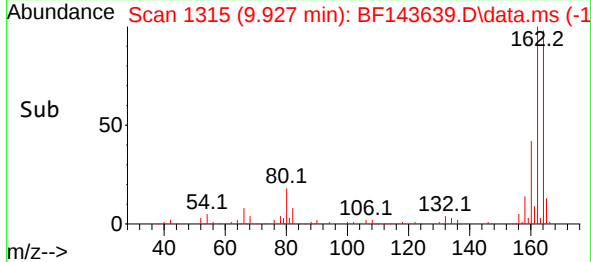
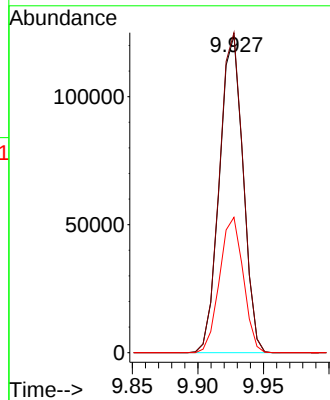
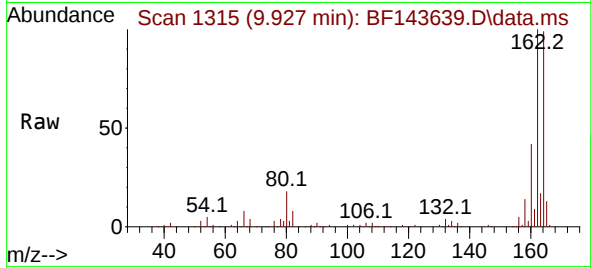
Tgt Ion:164 Resp: 154726

Ion Ratio Lower Upper

164 100

162 101.0 80.3 120.5

160 42.7 34.0 51.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.996 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Tgt Ion:216 Resp: 21362

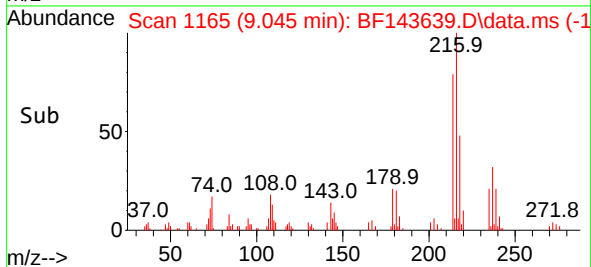
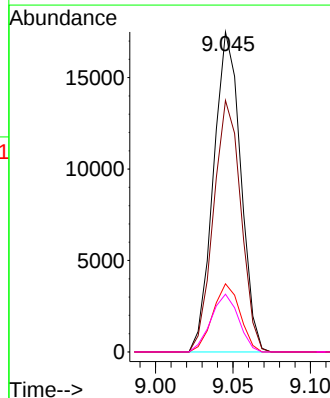
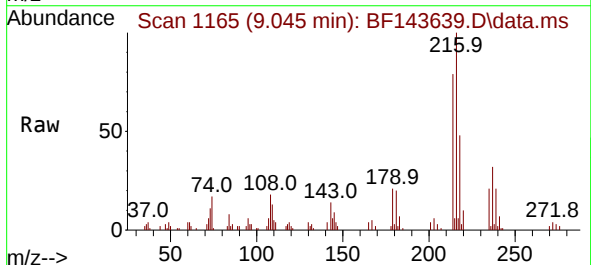
Ion Ratio Lower Upper

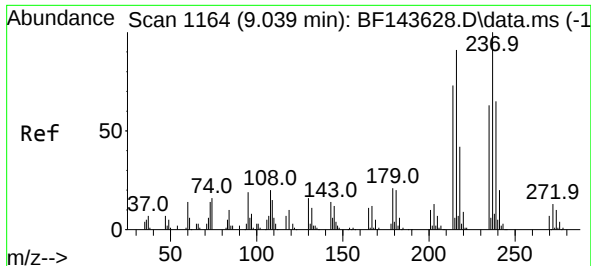
216 100

214 79.1 63.3 94.9

179 21.2 17.2 25.8

108 18.3 14.0 21.0

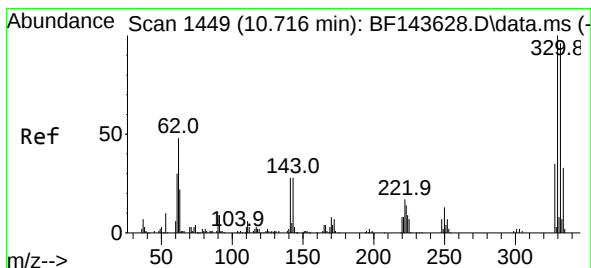
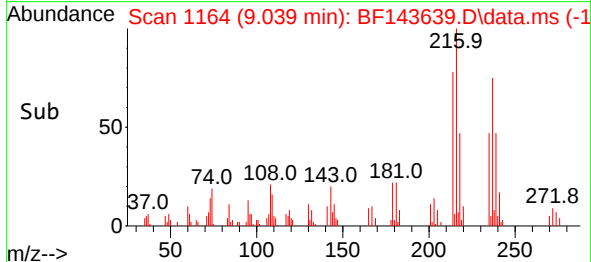
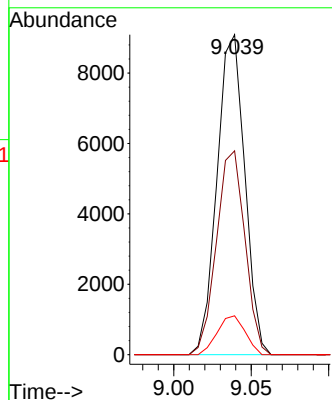
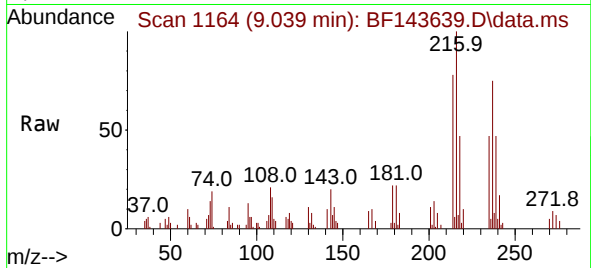




#41
Hexachlorocyclopentadiene
Concen: 5.459 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

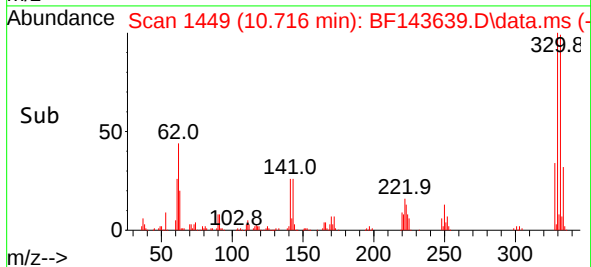
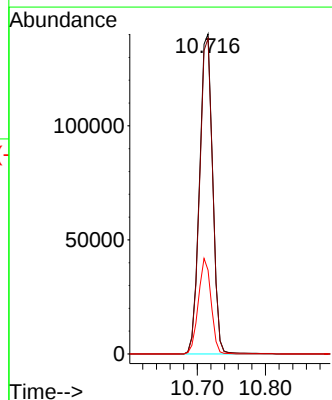
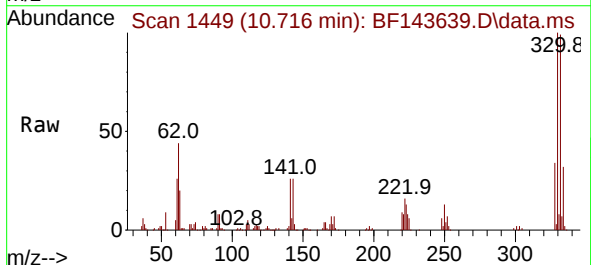
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

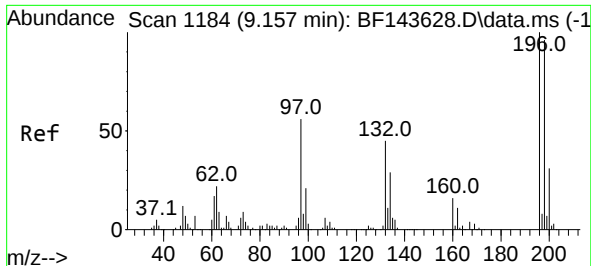
Tgt Ion:237 Resp: 11336
Ion Ratio Lower Upper
237 100
235 63.7 43.0 83.0
272 12.2 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 144.221 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:330 Resp: 186601
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 28.9 23.5 35.3





#43

2,4,6-Trichlorophenol

Concen: 4.598 ng

RT: 9.151 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

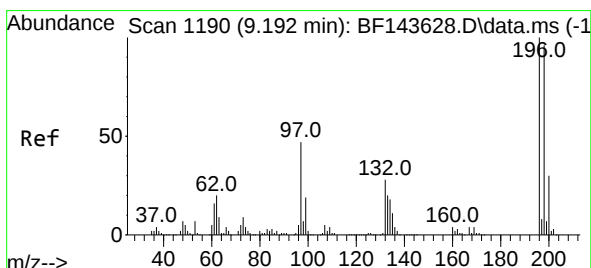
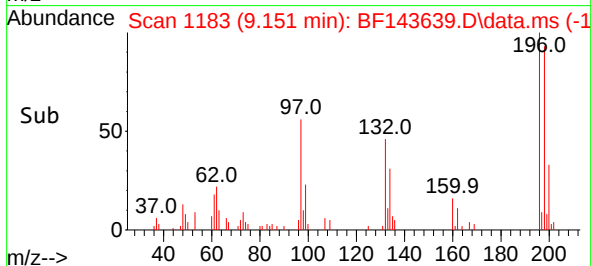
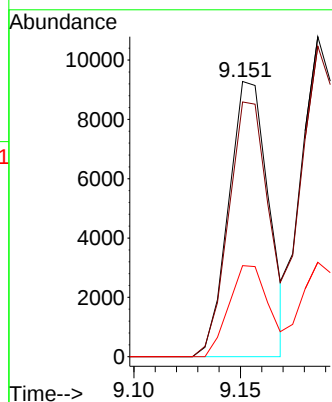
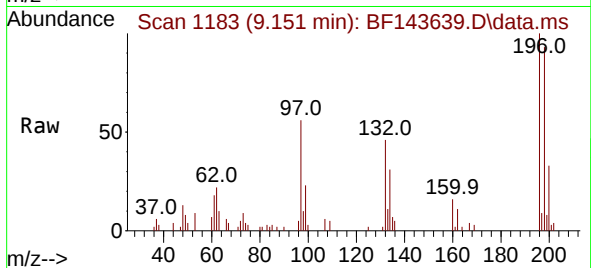
Tgt Ion:196 Resp: 12113

Ion Ratio Lower Upper

196 100

198 92.6 77.1 115.7

200 33.1 24.7 37.1



#44

2,4,5-Trichlorophenol

Concen: 5.007 ng

RT: 9.186 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Tgt Ion:196 Resp: 13619

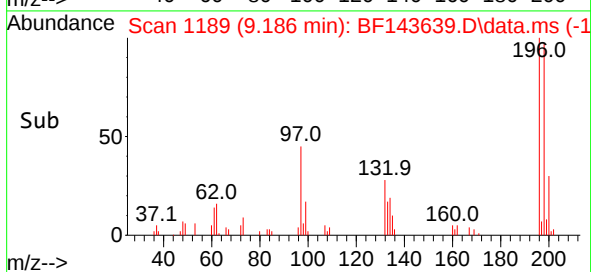
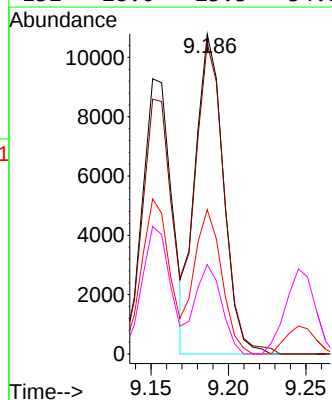
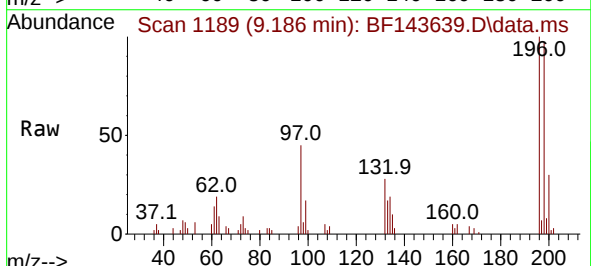
Ion Ratio Lower Upper

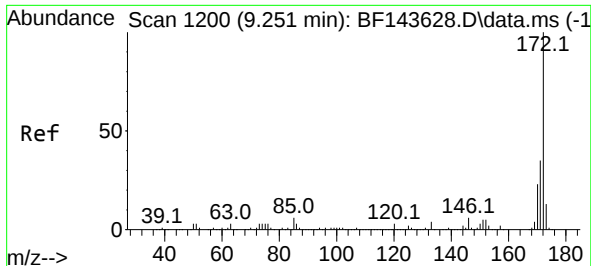
196 100

198 97.0 76.6 115.0

97 45.1 38.2 57.2

132 28.0 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 87.570 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

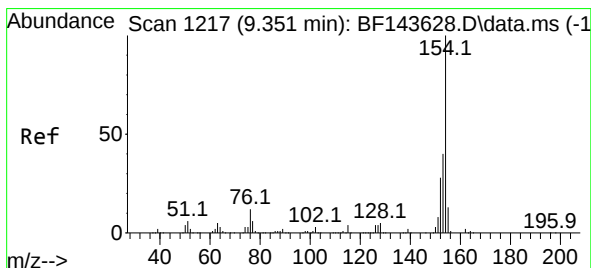
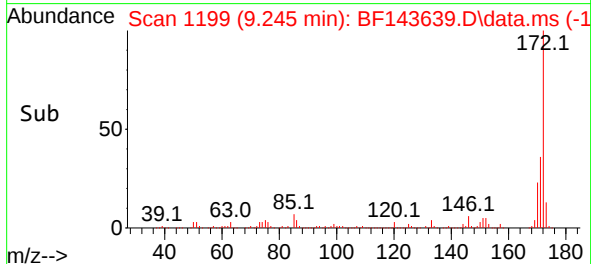
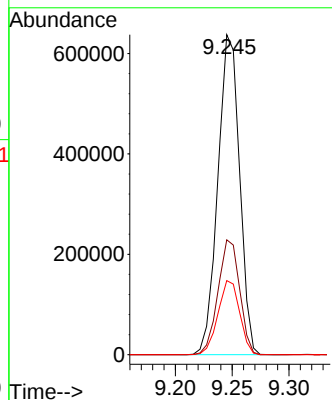
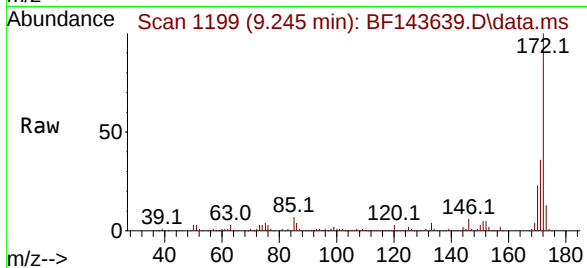
Tgt Ion:172 Resp: 848082

Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 4.968 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

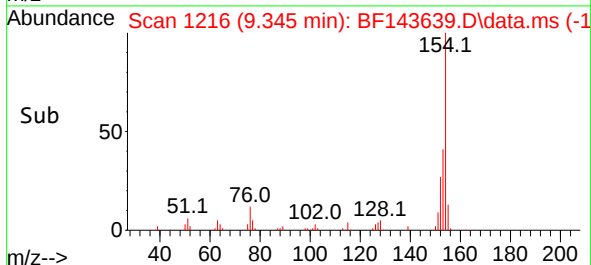
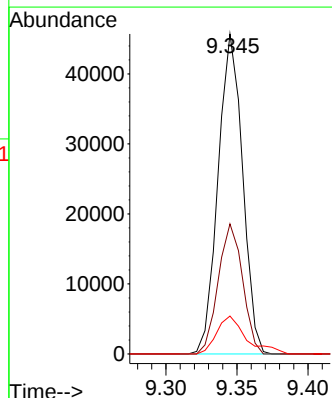
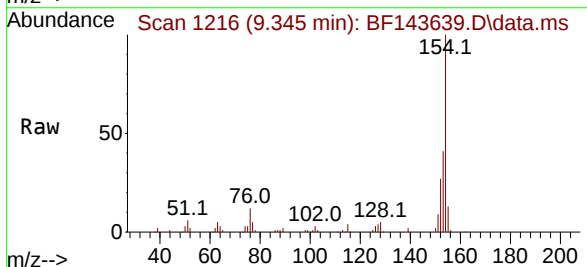
Tgt Ion:154 Resp: 54673

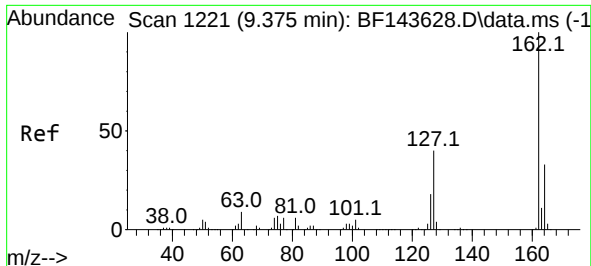
Ion Ratio Lower Upper

154 100

153 40.7 20.1 60.1

76 11.9 0.0 31.9





#47

2-Chloronaphthalene

Concen: 4.924 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143639.D

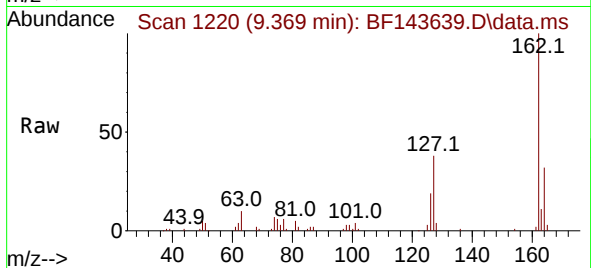
Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025



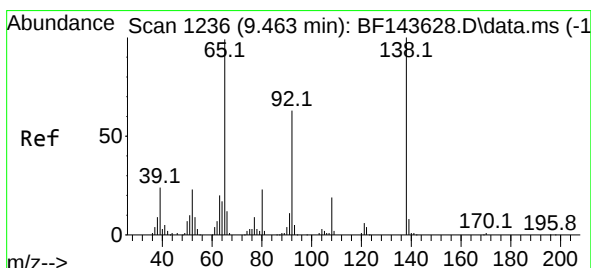
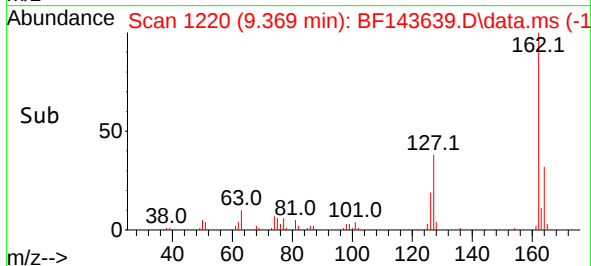
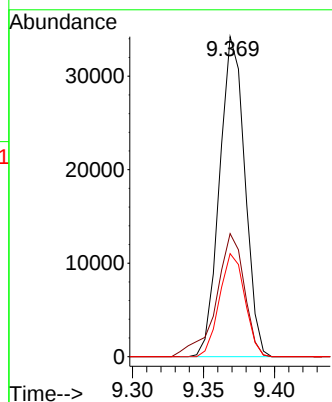
Tgt Ion:162 Resp: 42406

Ion Ratio Lower Upper

162 100

127 38.5 31.9 47.9

164 32.2 26.0 39.0



#48

2-Nitroaniline

Concen: 6.771 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

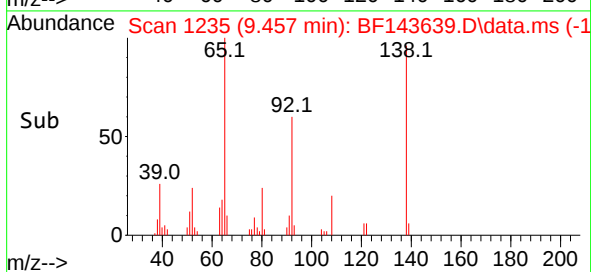
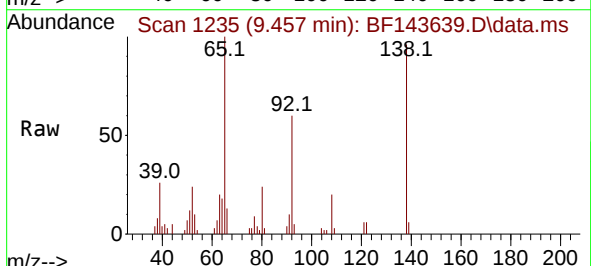
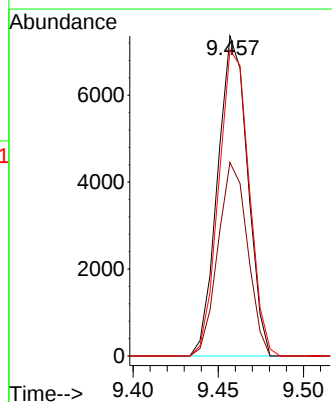
Tgt Ion: 65 Resp: 8995

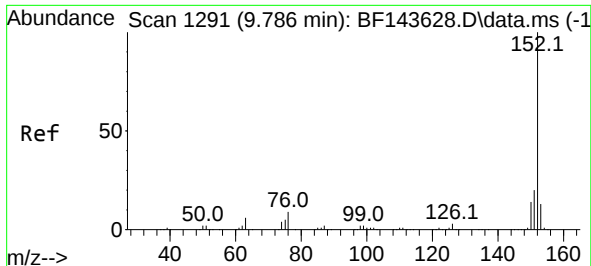
Ion Ratio Lower Upper

65 100

92 60.5 50.9 76.3

138 95.7 80.6 120.8

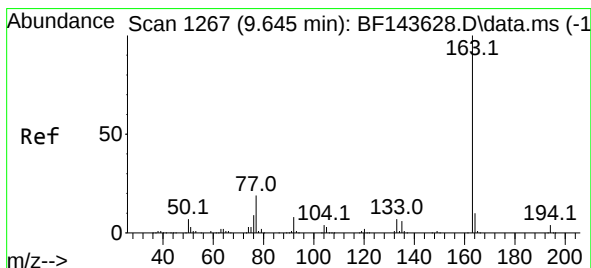
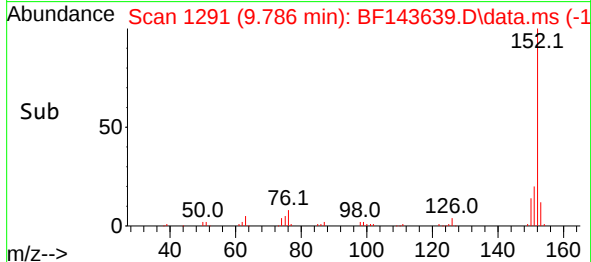
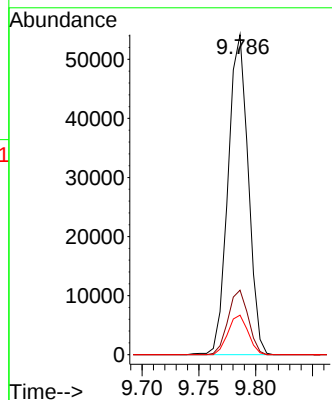
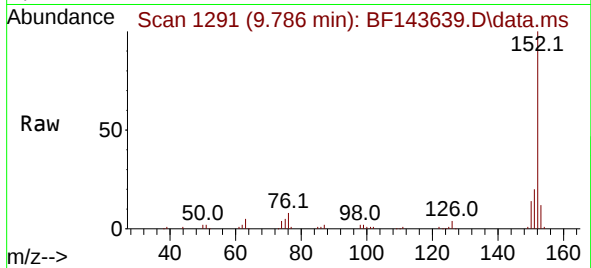




#49
Acenaphthylene
Concen: 5.384 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

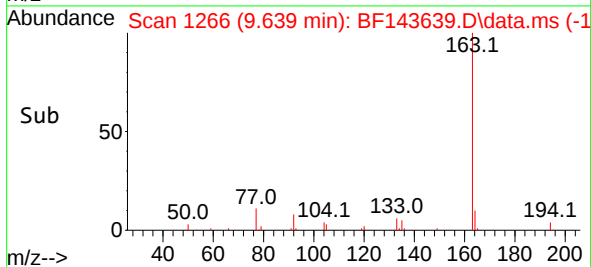
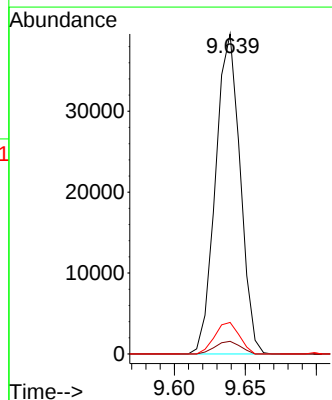
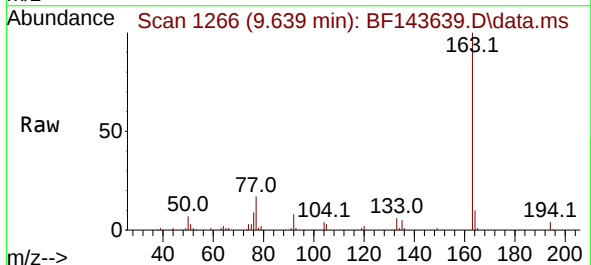
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

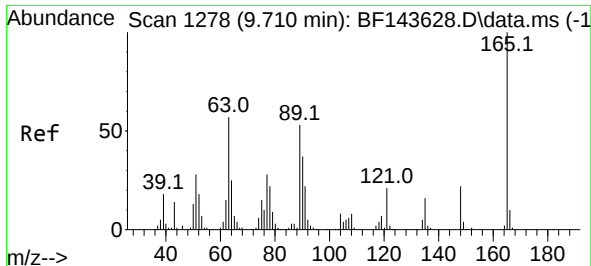
Tgt Ion:152 Resp: 66817
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 12.4 10.6 15.8



#50
Dimethylphthalate
Concen: 4.860 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:163 Resp: 47611
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.8 8.1 12.1

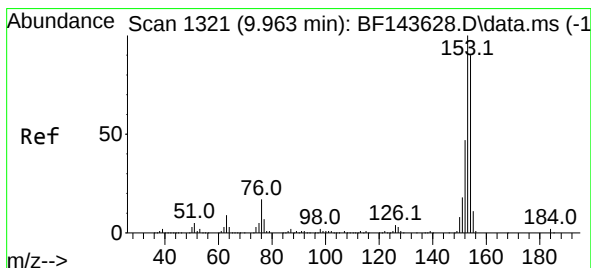
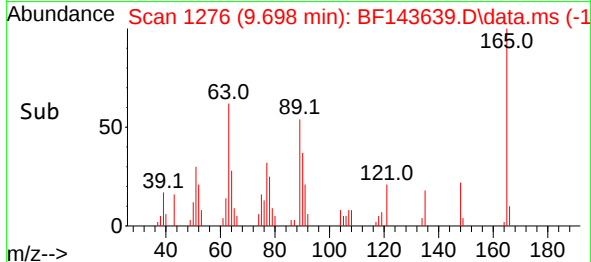
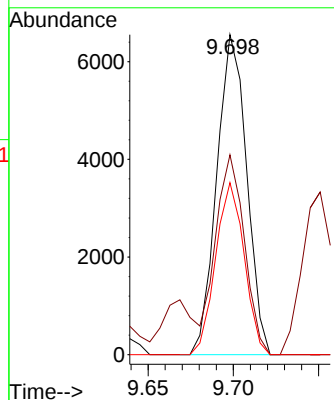
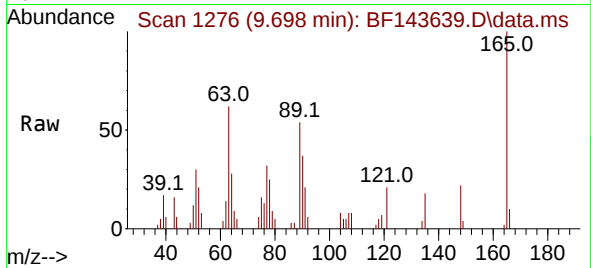




#51
2,6-Dinitrotoluene
Concen: 7.921 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

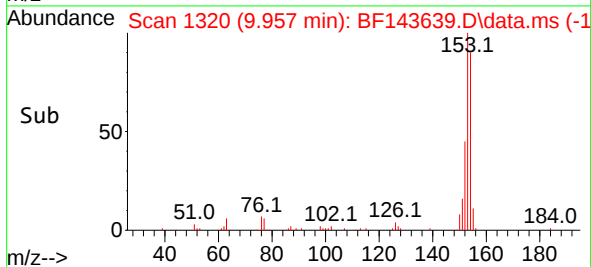
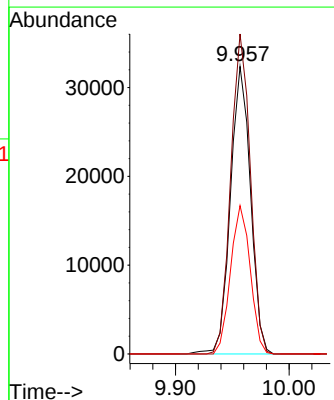
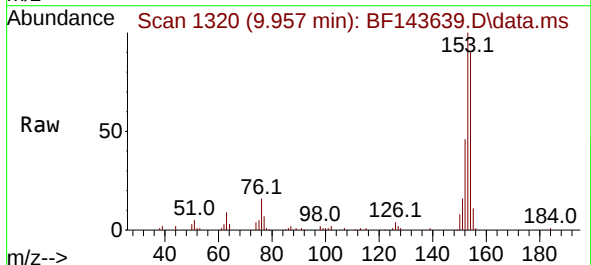
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

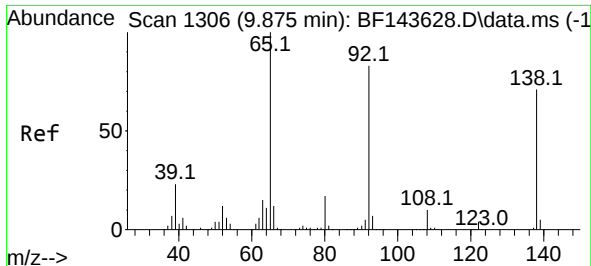
Tgt Ion:165 Resp: 7992
Ion Ratio Lower Upper
165 100
63 62.5 45.4 68.0
89 53.8 42.1 63.1



#52
Acenaphthene
Concen: 4.774 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:154 Resp: 39635
Ion Ratio Lower Upper
154 100
153 111.3 88.6 132.8
152 51.6 41.8 62.8

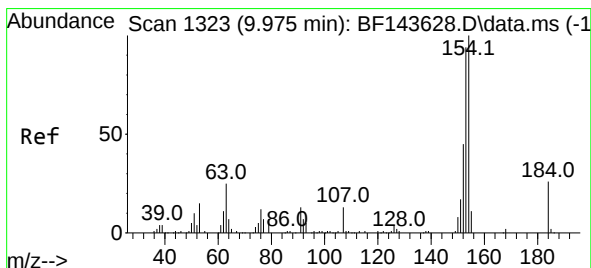
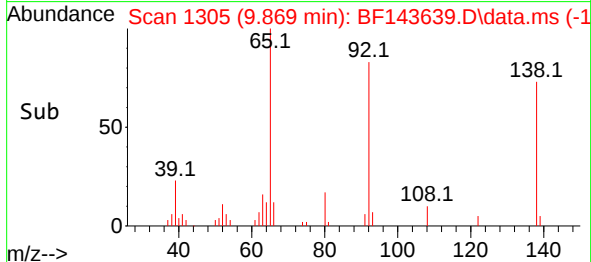
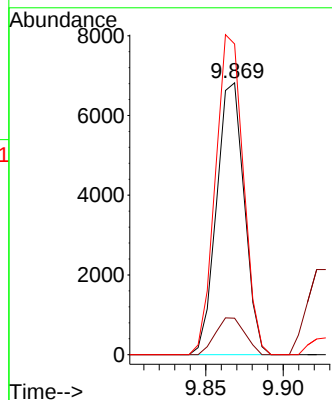
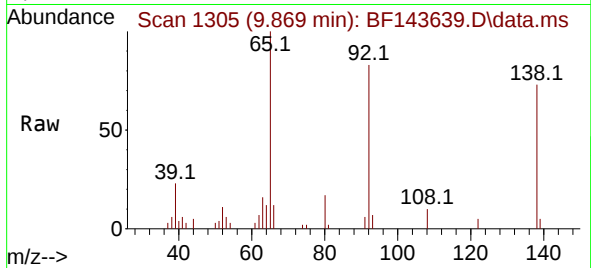




#53
3-Nitroaniline
Concen: 7.056 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

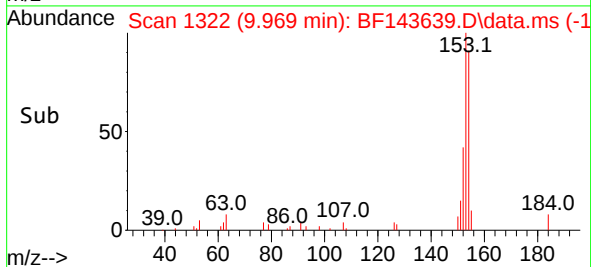
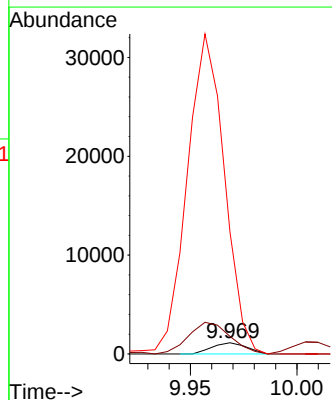
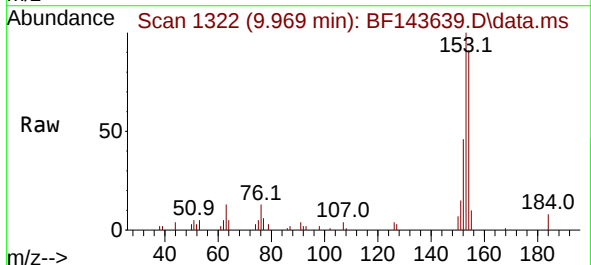
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

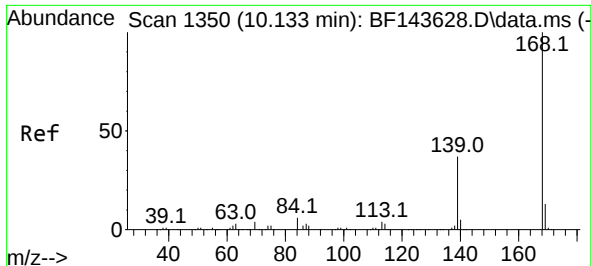
Tgt Ion:138 Resp: 8508
Ion Ratio Lower Upper
138 100
108 13.4 10.7 16.1
92 114.3 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 8.451 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:184 Resp: 1290
Ion Ratio Lower Upper
184 100
63 158.2 81.8 122.8#
154 1092.2 348.3 522.5#

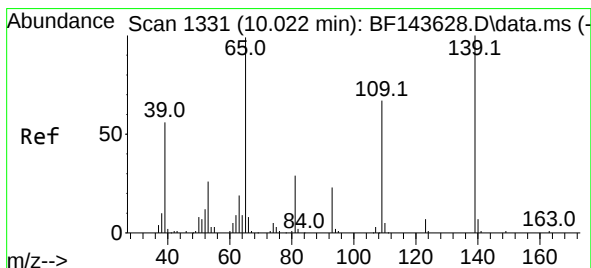
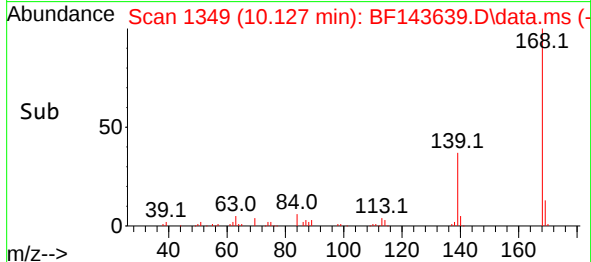
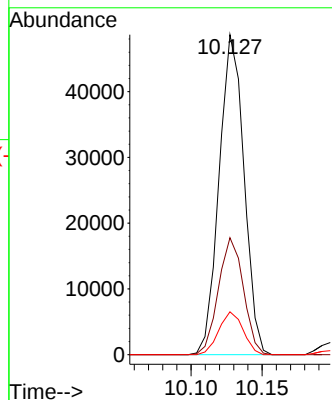
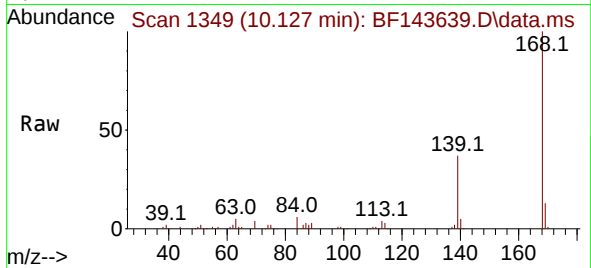




#55
Dibenzenofuran
Concen: 4.910 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

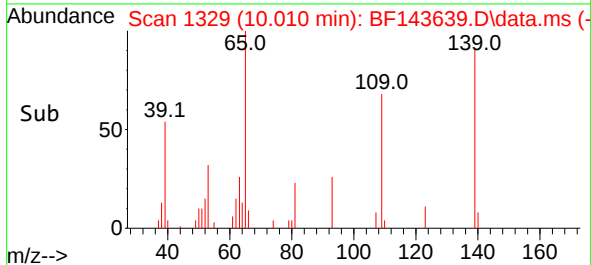
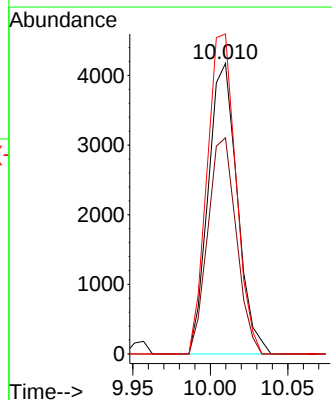
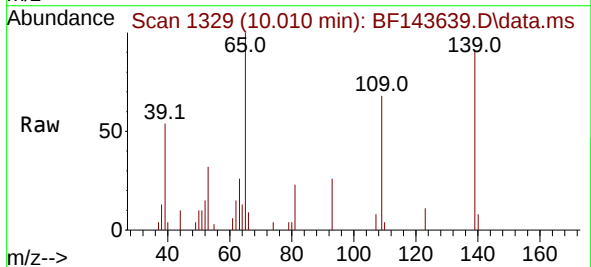
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

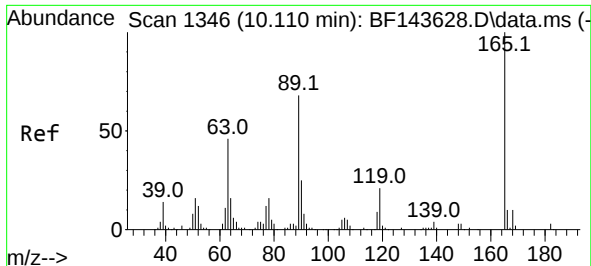
Tgt Ion:168 Resp: 59218
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.8
169 13.4 10.6 16.0



#56
4-Nitrophenol
Concen: 3.746 ng
RT: 10.010 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:139 Resp: 5441
Ion Ratio Lower Upper
139 100
109 74.4 47.6 87.6
65 110.1 80.5 120.5

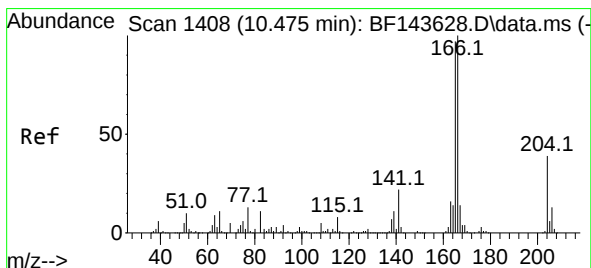
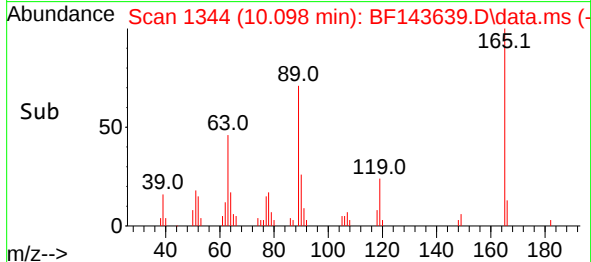
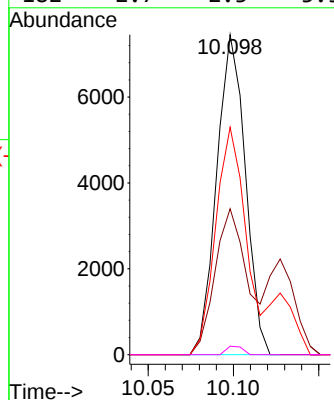
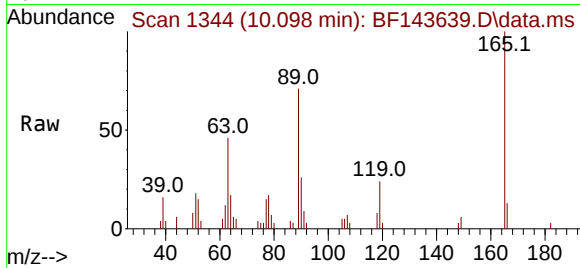




#57
2,4-Dinitrotoluene
Concen: 7.191 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

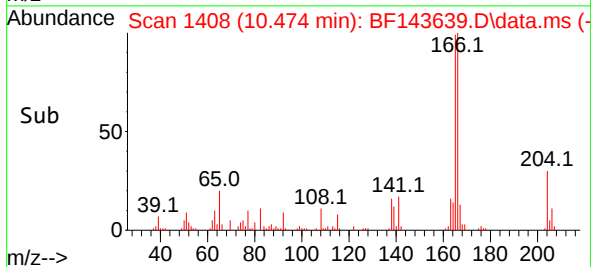
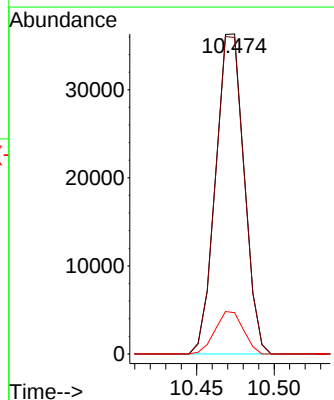
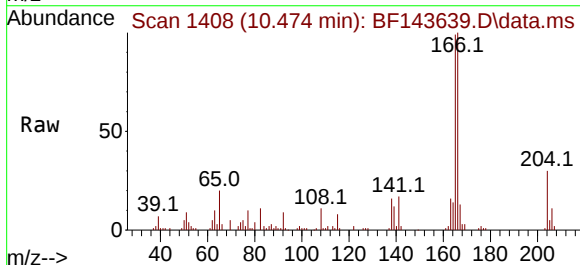
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

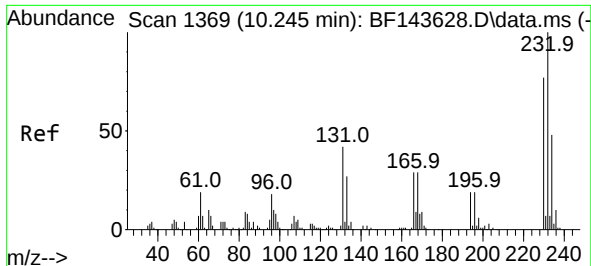
Tgt Ion:165 Resp: 8718
Ion Ratio Lower Upper
165 100
63 45.6 37.0 55.6
89 71.0 54.1 81.1
182 2.7 2.3 3.5



#58
Fluorene
Concen: 4.994 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:166 Resp: 46591
Ion Ratio Lower Upper
166 100
165 98.9 77.6 116.4
167 12.9 10.9 16.3

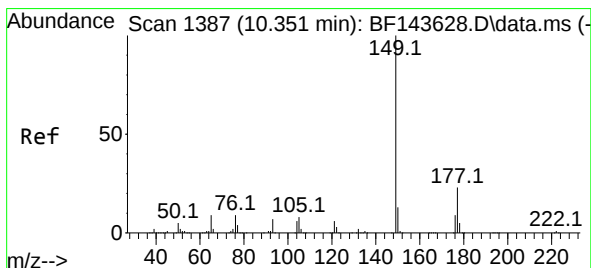
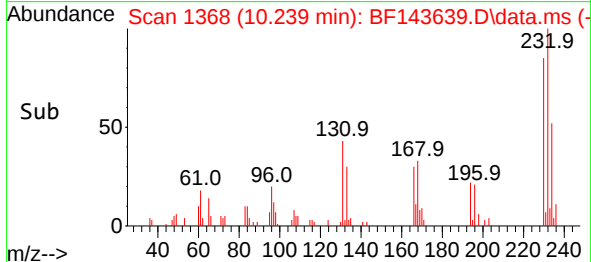
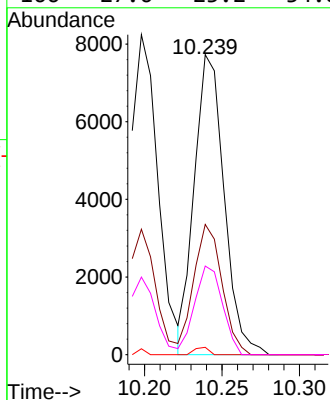
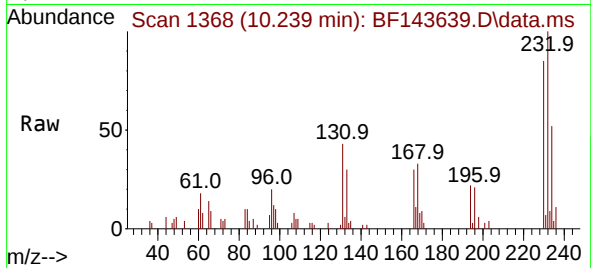




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.006 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

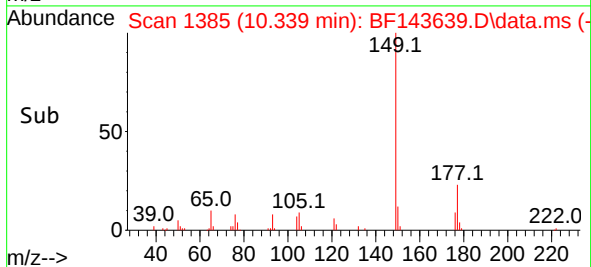
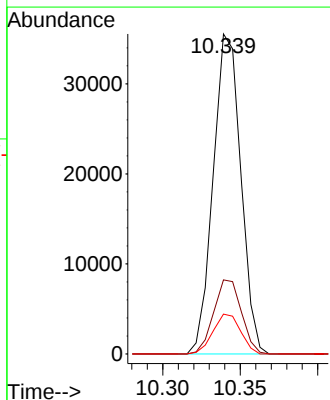
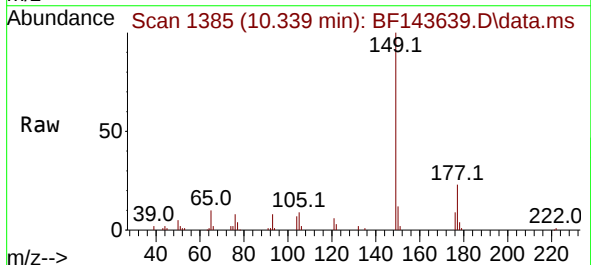
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

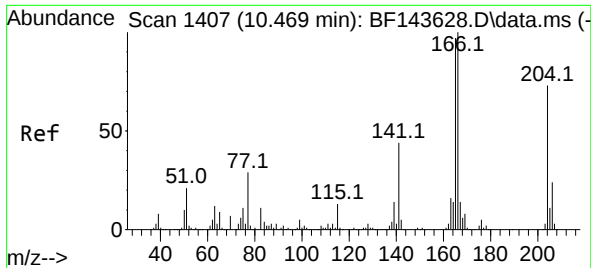
Tgt Ion:232 Resp: 10340
Ion Ratio Lower Upper
232 100
131 40.9 33.7 50.5
130 1.2 1.5 2.3#
166 27.6 23.2 34.8



#60
Diethylphthalate
Concen: 4.736 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:149 Resp: 44048
Ion Ratio Lower Upper
149 100
177 23.2 18.6 28.0
150 12.5 10.3 15.5

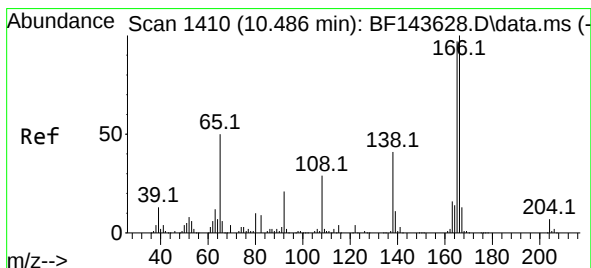
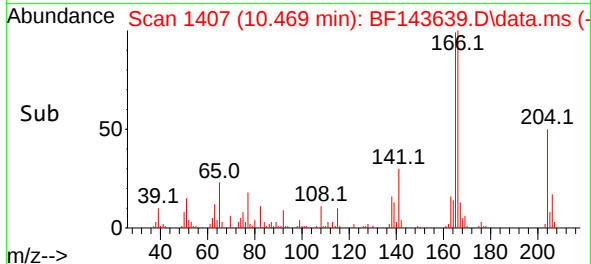
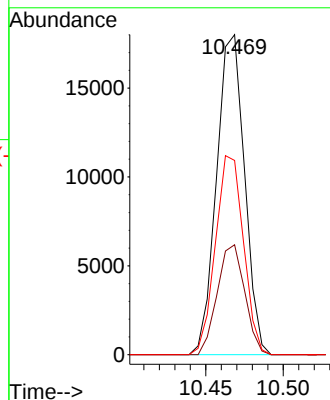
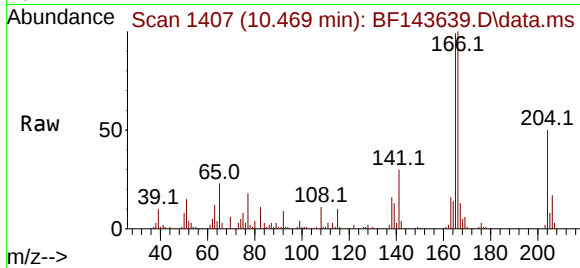




#61
4-Chlorophenyl-phenylether
Concen: 4.861 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

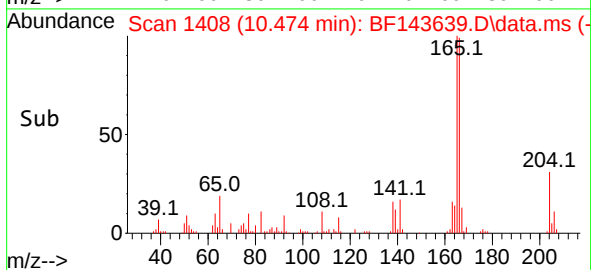
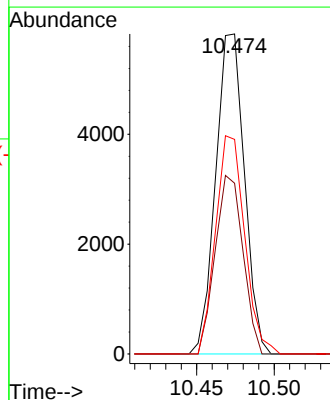
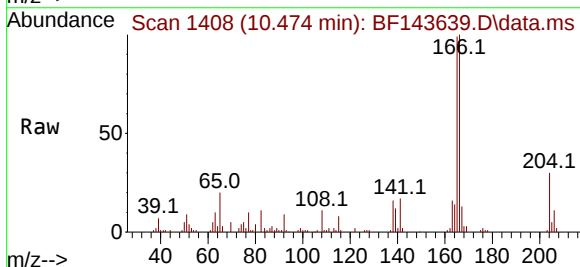
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

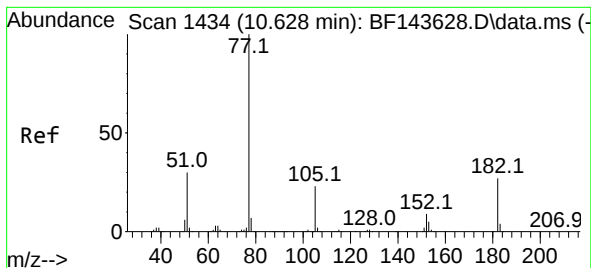
Tgt Ion:204 Resp: 22630
Ion Ratio Lower Upper
204 100
206 34.4 26.6 40.0
141 60.7 47.8 71.6



#62
4-Nitroaniline
Concen: 6.492 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:138 Resp: 7529
Ion Ratio Lower Upper
138 100
92 53.3 30.5 70.5
108 67.0 49.1 89.1





#63

Azobenzene

Concen: 4.813 ng

RT: 10.627 min Scan# 1434

Delta R.T. -0.000 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 77 Resp: 42197

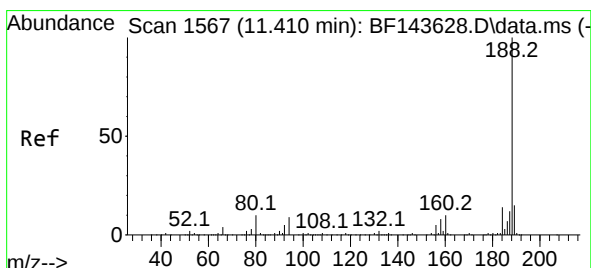
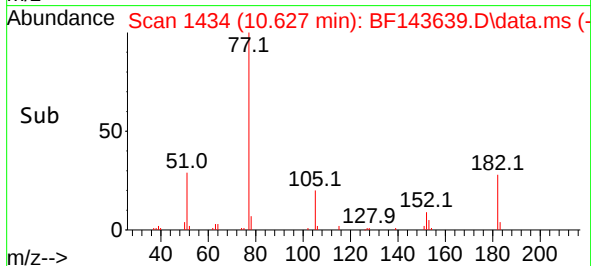
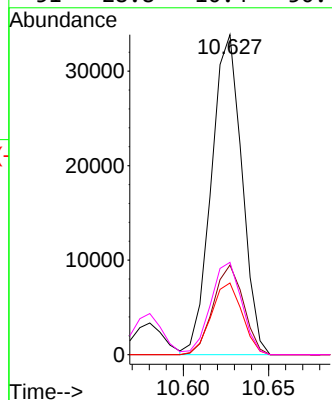
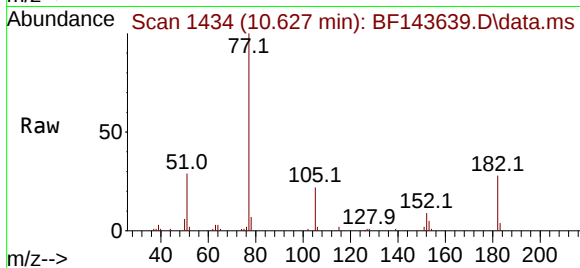
Ion Ratio Lower Upper

77 100

182 28.0 6.8 46.8

105 22.4 2.8 42.8

51 28.8 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.000 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

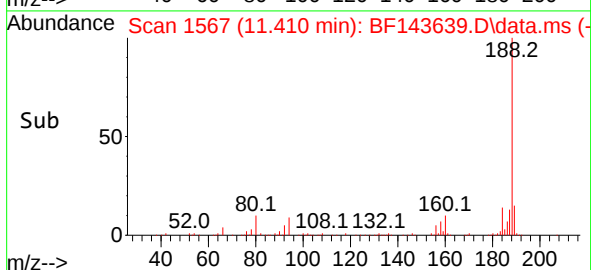
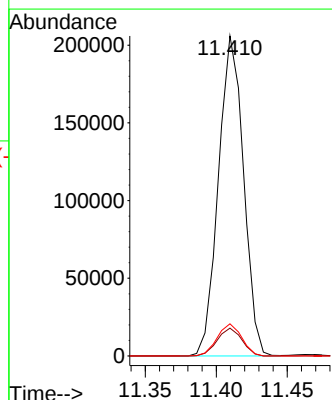
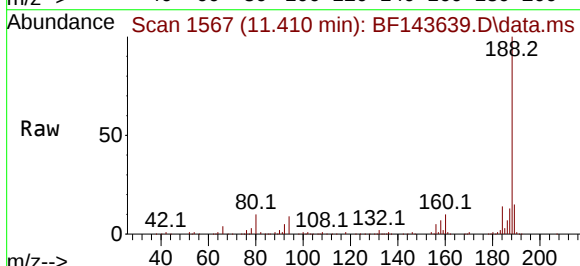
Tgt Ion: 188 Resp: 253081

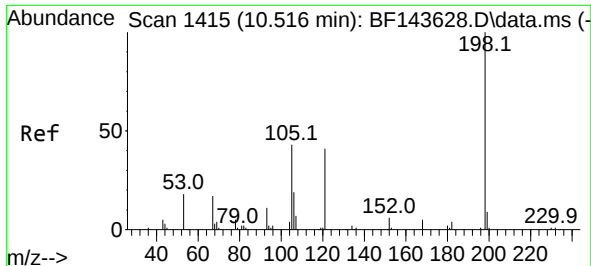
Ion Ratio Lower Upper

188 100

94 8.7 7.5 11.3

80 10.0 8.4 12.6

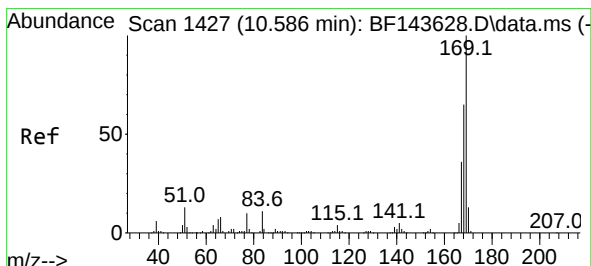
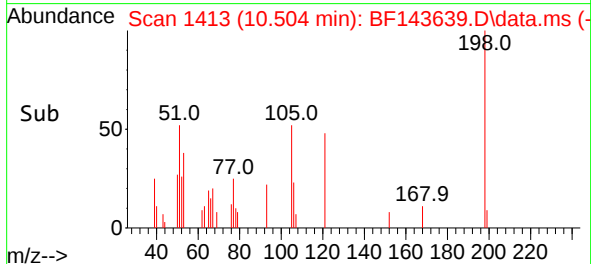
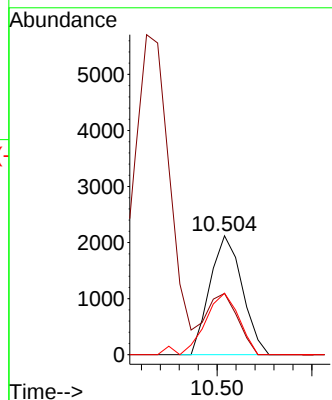
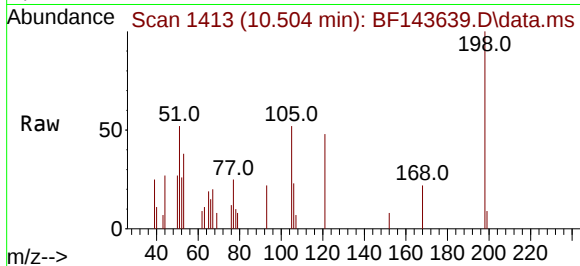




#65
4,6-Dinitro-2-methylphenol
Concen: 10.465 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

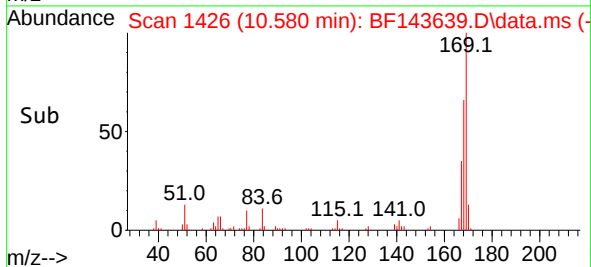
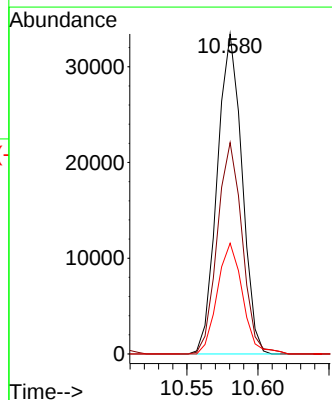
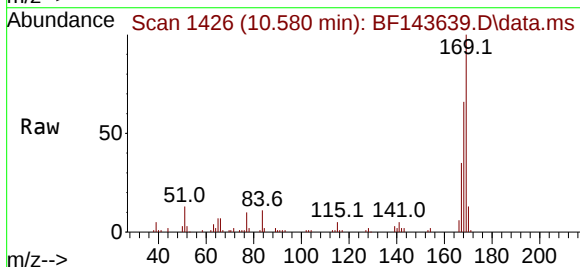
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

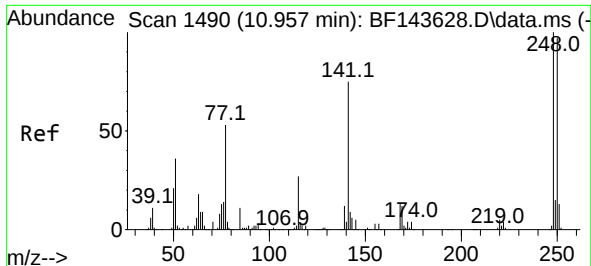
Tgt Ion:198 Resp: 2518
Ion Ratio Lower Upper
198 100
51 51.5 30.7 70.7
105 51.7 26.0 66.0



#66
n-Nitrosodiphenylamine
Concen: 4.957 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:169 Resp: 40489
Ion Ratio Lower Upper
169 100
168 66.1 52.2 78.4
167 34.6 28.5 42.7

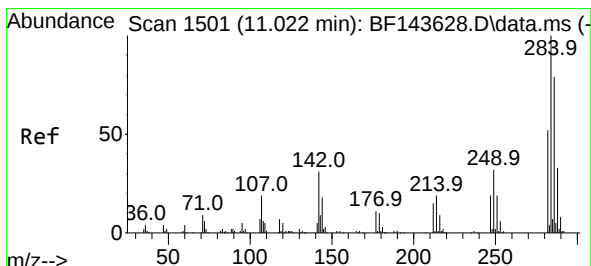
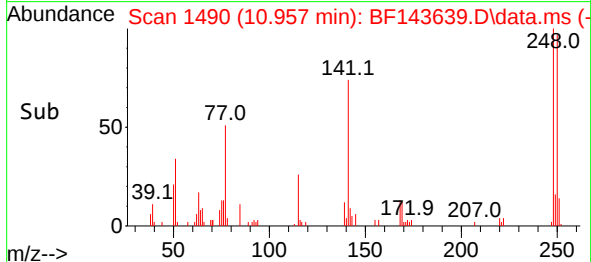
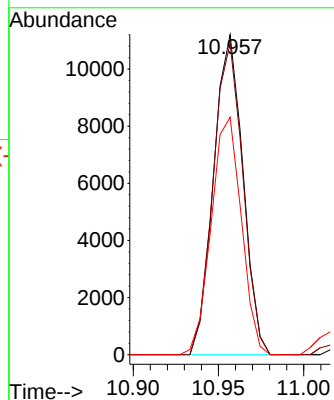
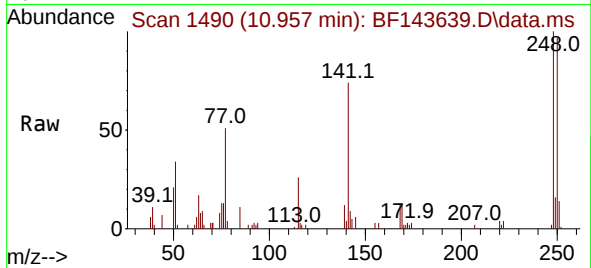




#67
4-Bromophenyl-phenylether
Concen: 4.565 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

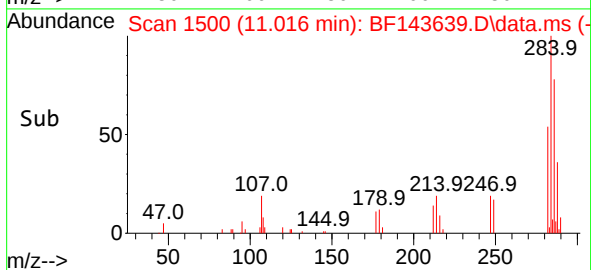
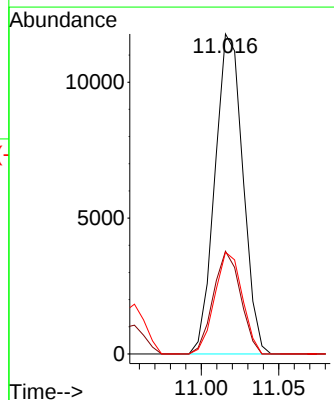
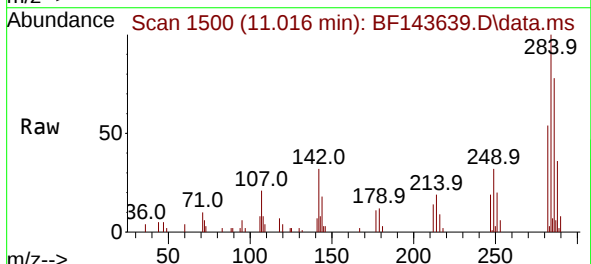
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

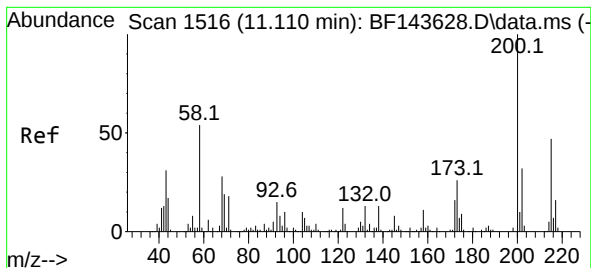
Tgt Ion:248 Resp: 13399
Ion Ratio Lower Upper
248 100
250 97.4 77.6 116.4
141 74.2 60.1 90.1



#68
Hexachlorobenzene
Concen: 4.789 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:284 Resp: 14765
Ion Ratio Lower Upper
284 100
142 32.1 24.7 37.1
249 31.8 25.4 38.2





#69

Atrazine

Concen: 4.416 ng

RT: 11.104 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

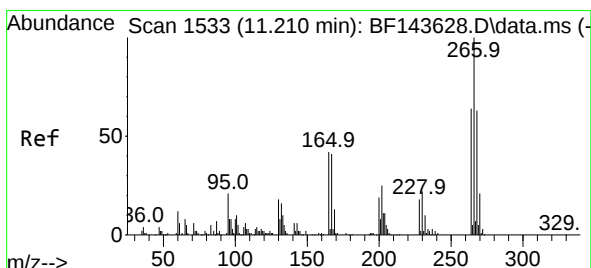
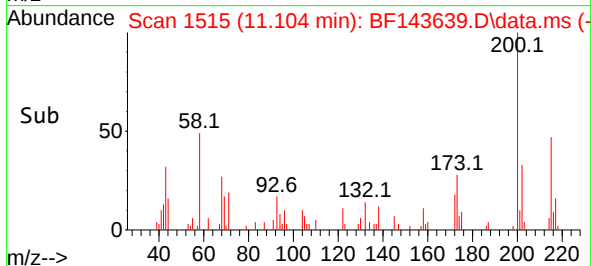
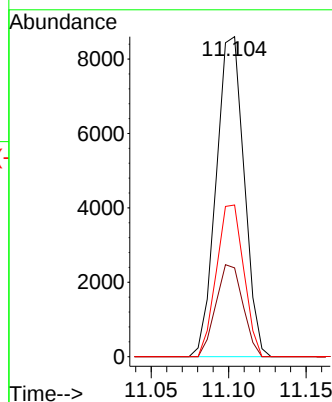
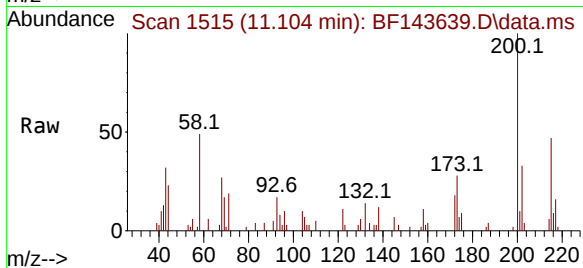
Tgt Ion:200 Resp: 10784

Ion Ratio Lower Upper

200 100

173 27.8 6.4 46.4

215 47.4 26.9 66.9



#70

Pentachlorophenol

Concen: 3.627 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

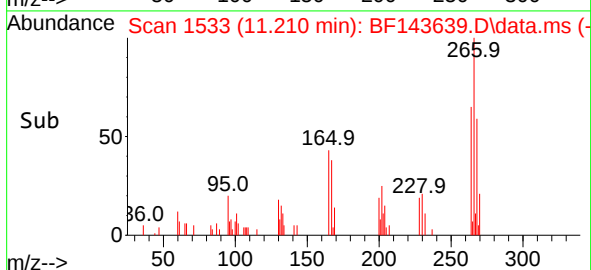
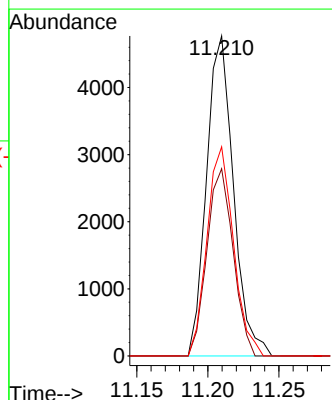
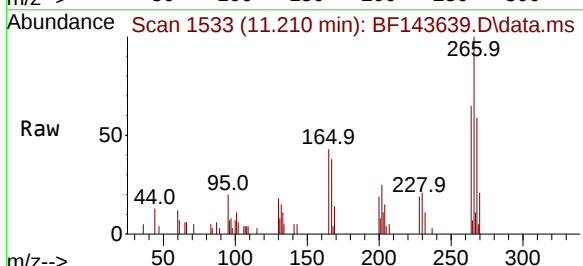
Tgt Ion:266 Resp: 6281

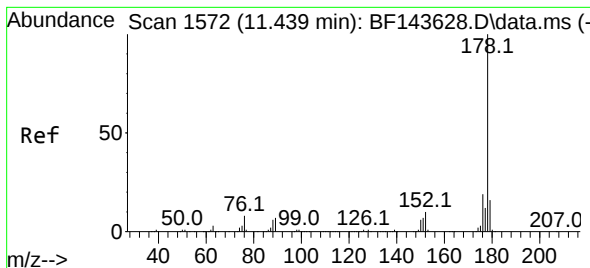
Ion Ratio Lower Upper

266 100

268 58.5 50.6 76.0

264 65.4 51.2 76.8





#71

Phenanthrene

Concen: 4.958 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

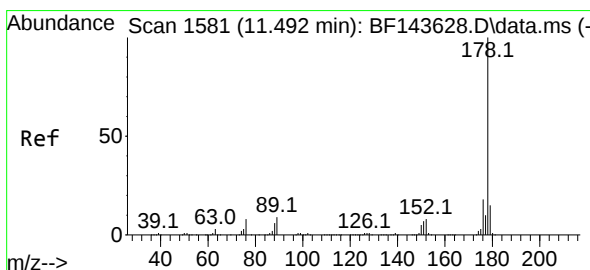
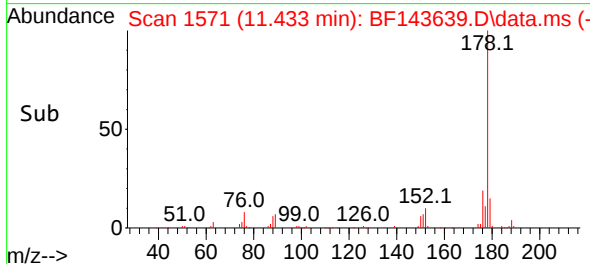
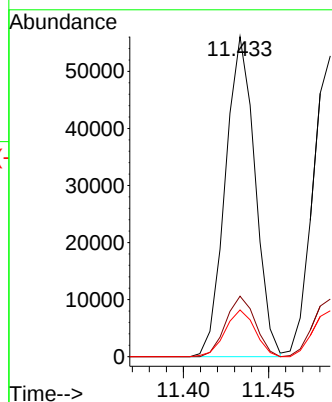
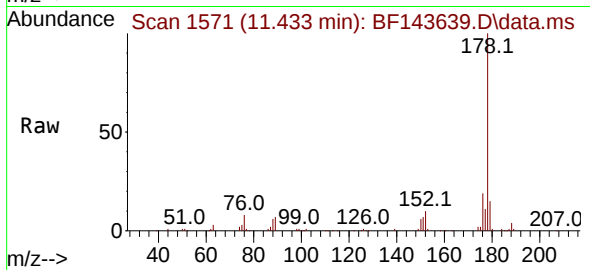
Tgt Ion:178 Resp: 67846

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 14.6 12.4 18.6



#72

Anthracene

Concen: 4.762 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

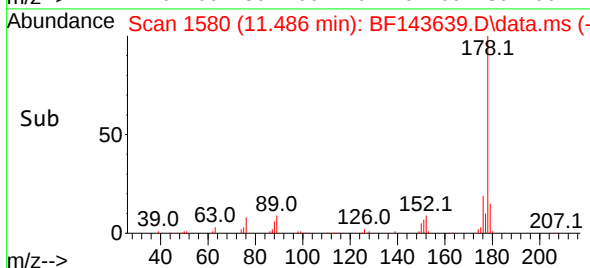
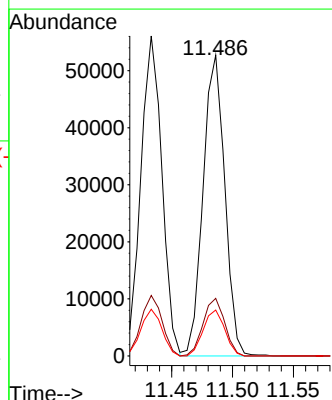
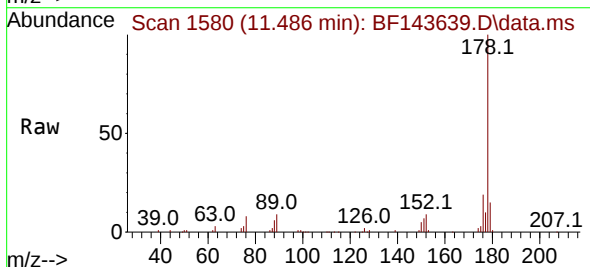
Tgt Ion:178 Resp: 65364

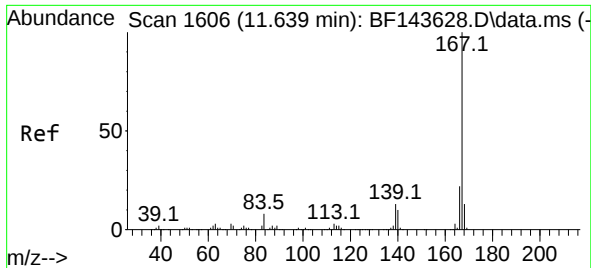
Ion Ratio Lower Upper

178 100

176 19.1 14.6 22.0

179 15.3 12.3 18.5

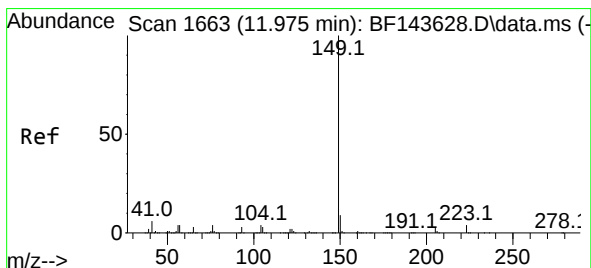
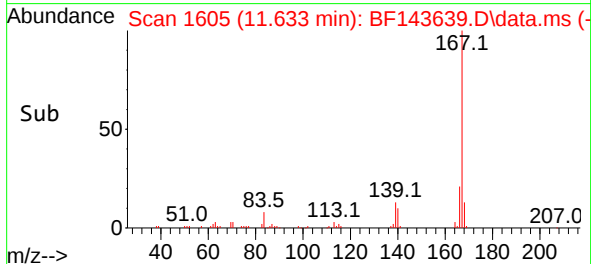
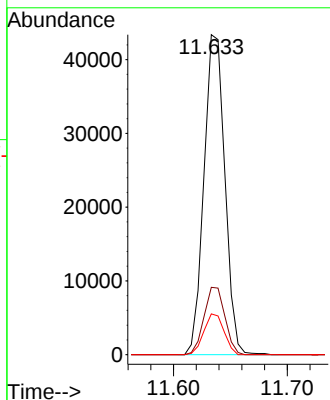
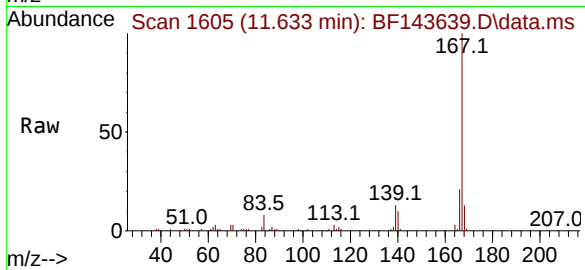




#73
 Carbazole
 Concen: 4.802 ng
 RT: 11.633 min Scan# 1605
 Delta R.T. -0.006 min
 Lab File: BF143639.D
 Acq: 04 Sep 2025 12:46

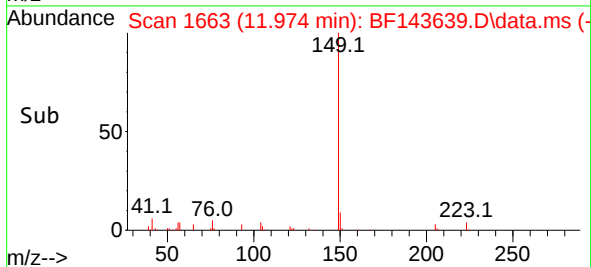
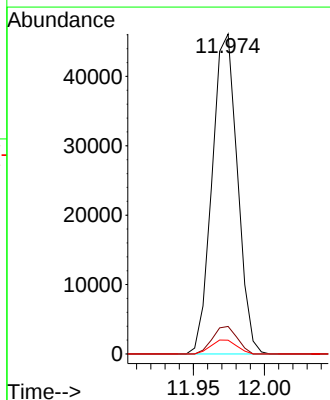
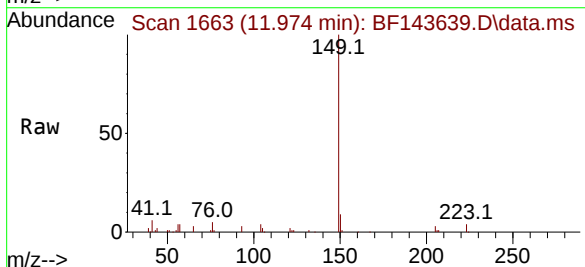
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

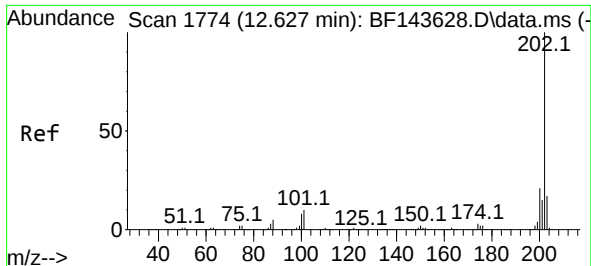
Tgt Ion:167 Resp: 55549
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.3 25.9
 139 12.7 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 4.405 ng
 RT: 11.974 min Scan# 1663
 Delta R.T. -0.000 min
 Lab File: BF143639.D
 Acq: 04 Sep 2025 12:46

Tgt Ion:149 Resp: 57215
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.4 11.0
 104 4.3 3.5 5.3

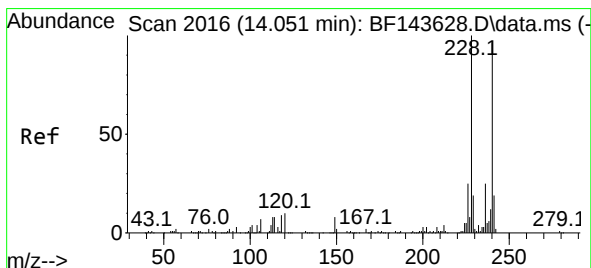
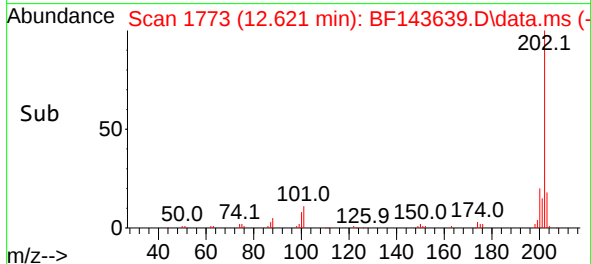
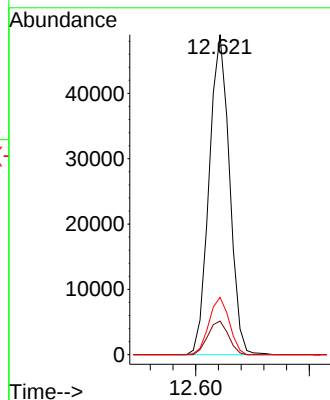
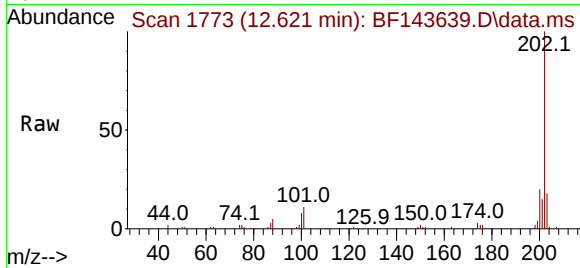




#75
Fluoranthene
Concen: 4.845 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

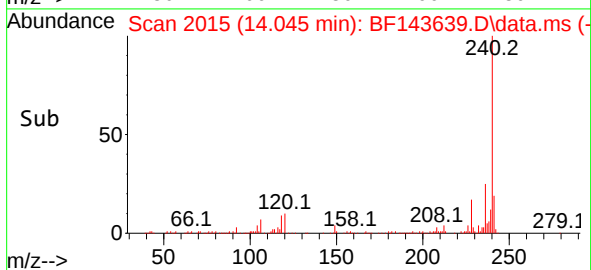
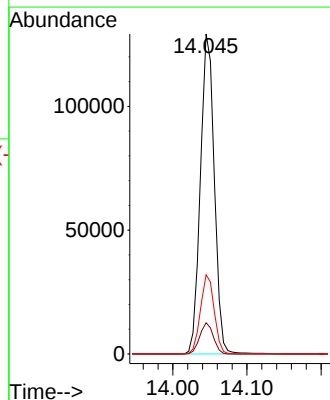
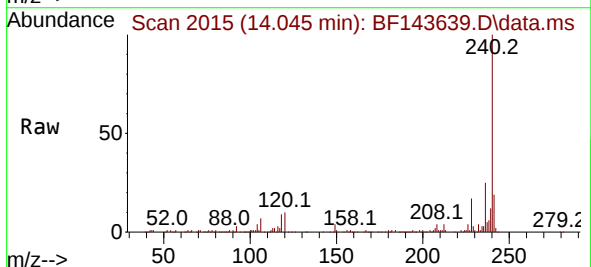
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

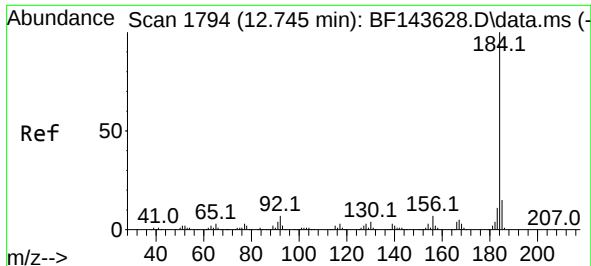
Tgt Ion:202 Resp: 60889
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.3
203 17.9 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:240 Resp: 168907
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 24.8 20.5 30.7

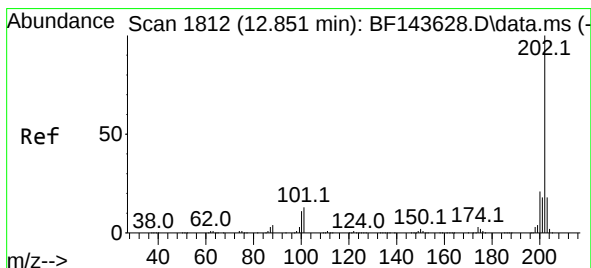
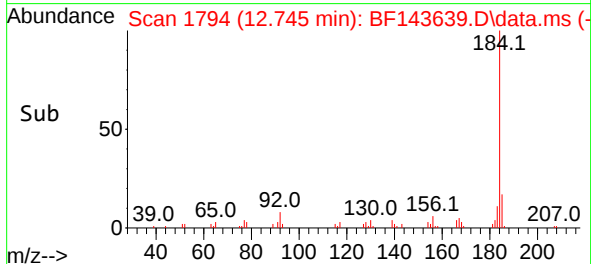
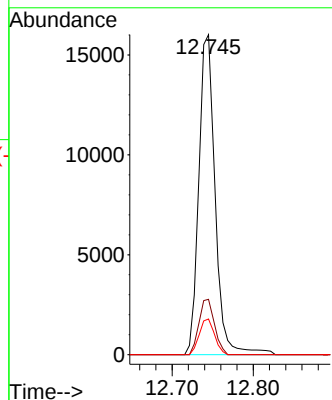
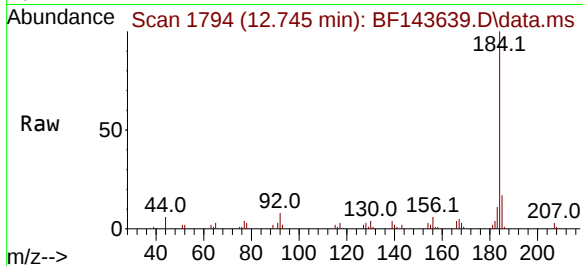




#77
Benzidine
Concen: 5.807 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

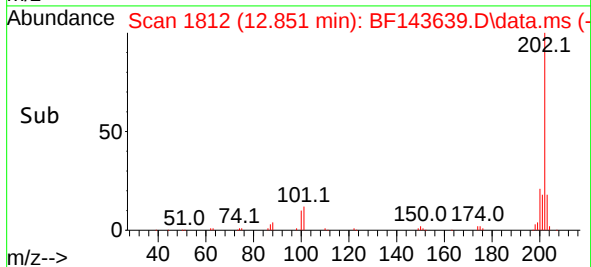
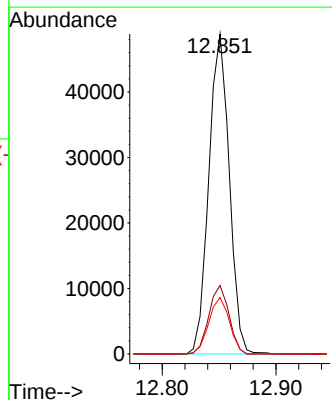
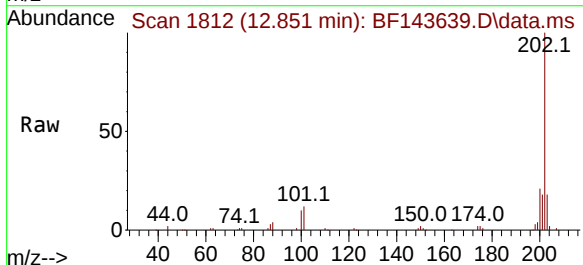
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT3-2025

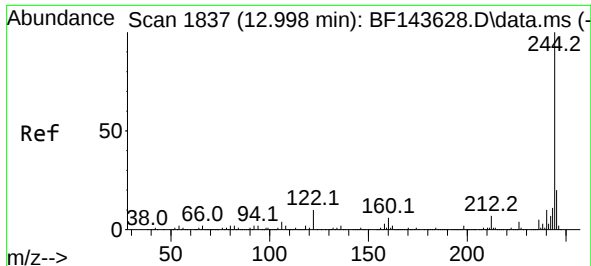
Tgt Ion:184 Resp: 22440
Ion Ratio Lower Upper
184 100
185 17.3 11.8 17.6
183 11.2 9.0 13.6



#78
Pyrene
Concen: 4.381 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:202 Resp: 61064
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 17.6 14.0 21.0

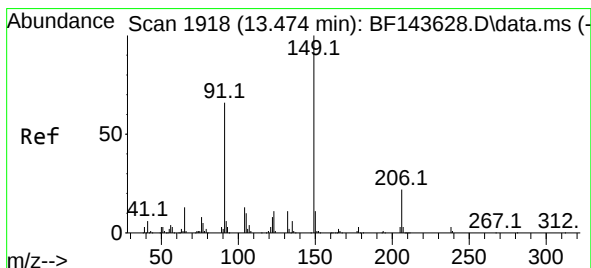
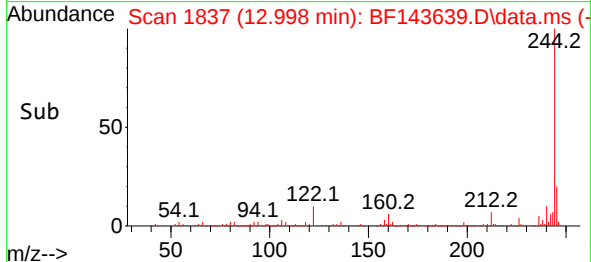
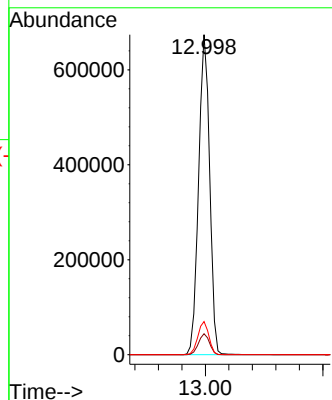
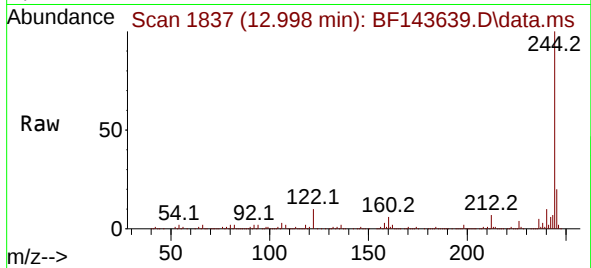




#79
 Terphenyl-d14
 Concen: 86.456 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143639.D
 Acq: 04 Sep 2025 12:46

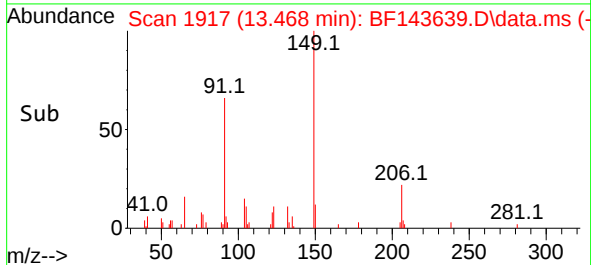
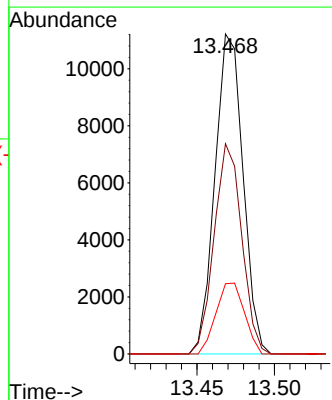
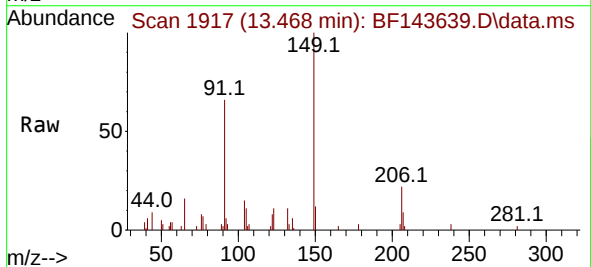
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

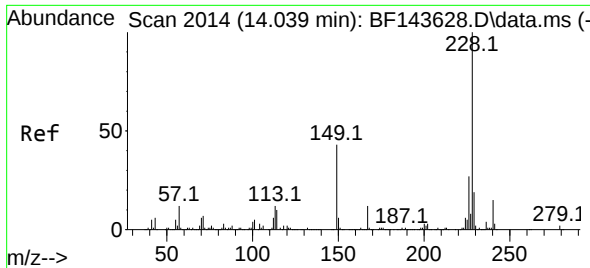
Tgt Ion:244 Resp: 876410
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 10.4 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 6.262 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF143639.D
 Acq: 04 Sep 2025 12:46

Tgt Ion:149 Resp: 14129
 Ion Ratio Lower Upper
 149 100
 91 65.7 53.0 79.4
 206 21.9 17.4 26.2

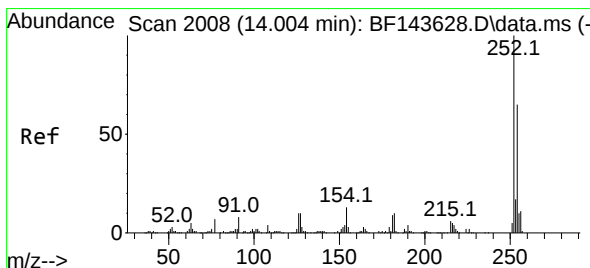
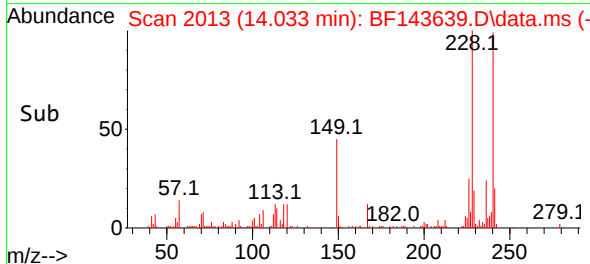
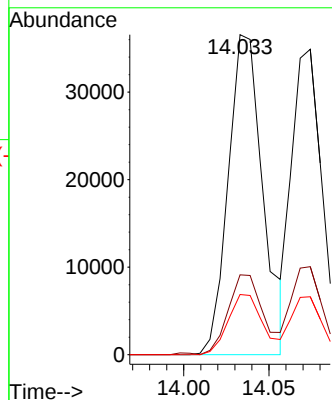
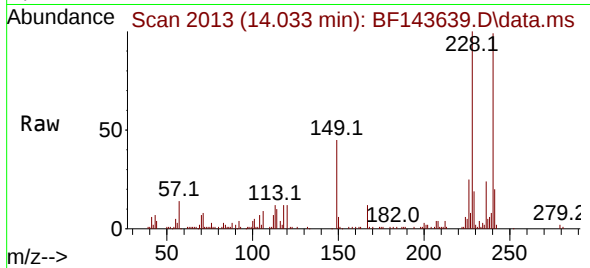




#81
Benzo(a)anthracene
Concen: 4.732 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

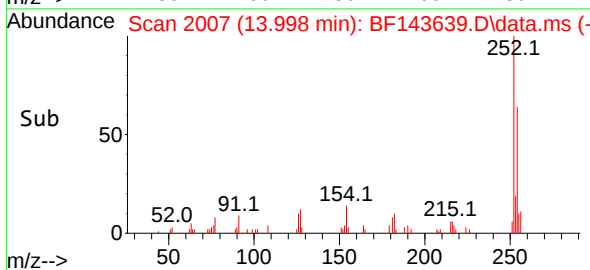
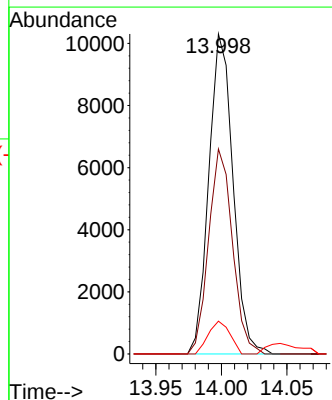
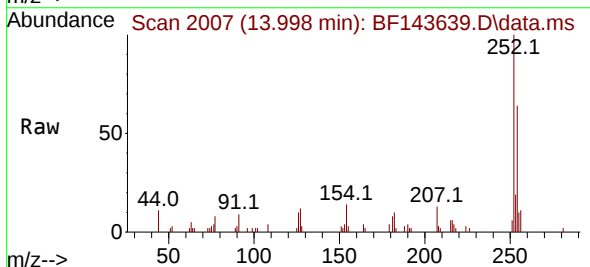
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

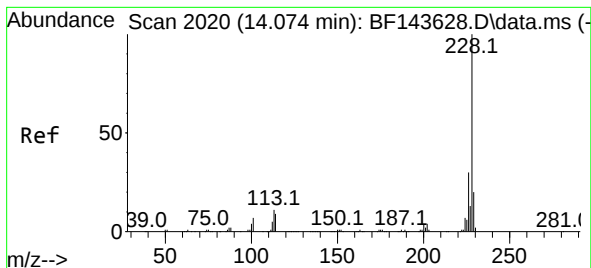
Tgt Ion:228 Resp: 51770
Ion Ratio Lower Upper
228 100
226 25.0 21.4 32.2
229 18.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 4.430 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:252 Resp: 13212
Ion Ratio Lower Upper
252 100
254 64.0 52.2 78.2
126 10.3 8.1 12.1





#83

Chrysene

Concen: 4.372 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143639.D

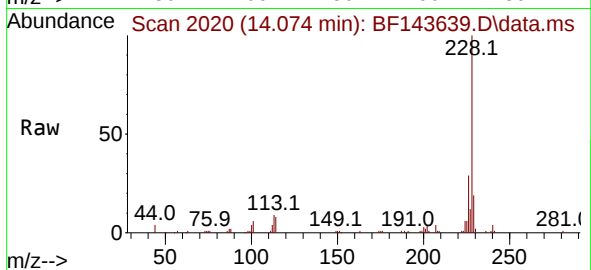
Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025



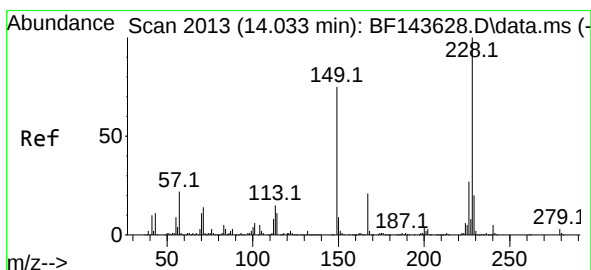
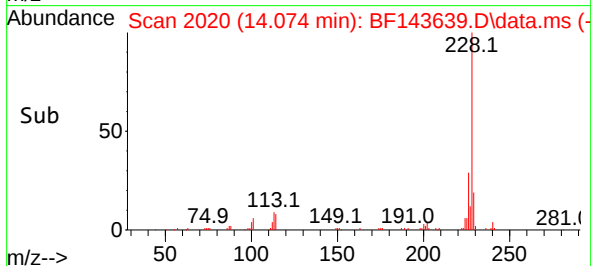
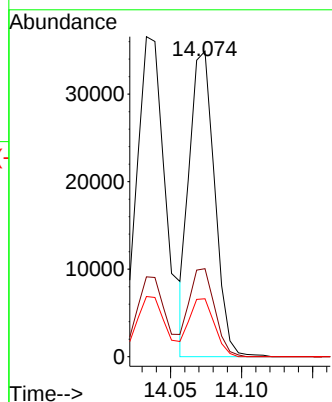
Tgt Ion:228 Resp: 42999

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.6

229 19.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.127 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

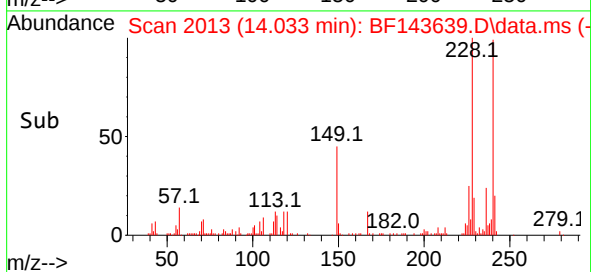
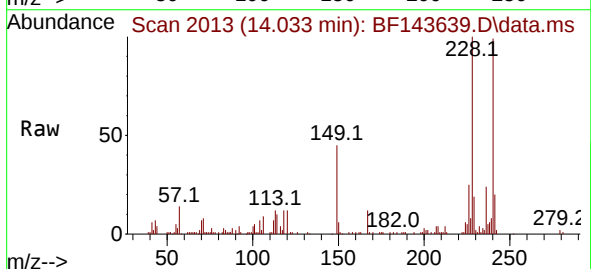
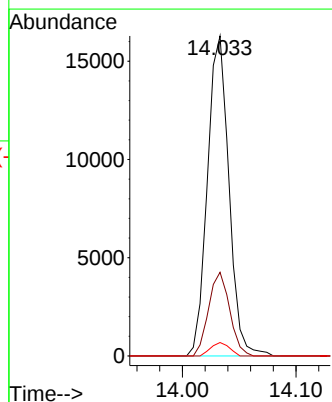
Tgt Ion:149 Resp: 21422

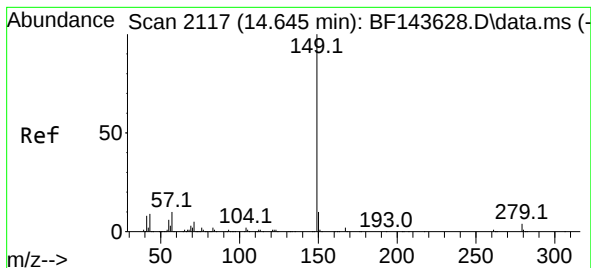
Ion Ratio Lower Upper

149 100

167 26.1 22.1 33.1

279 4.2 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 3.242 ng

RT: 14.645 min Scan# 2117

Delta R.T. -0.000 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

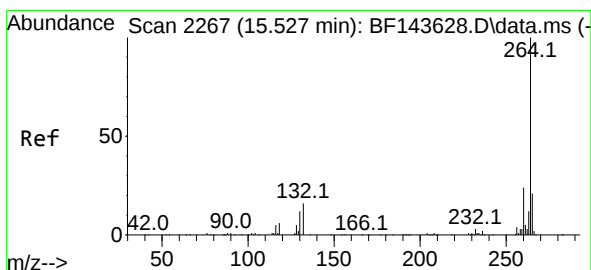
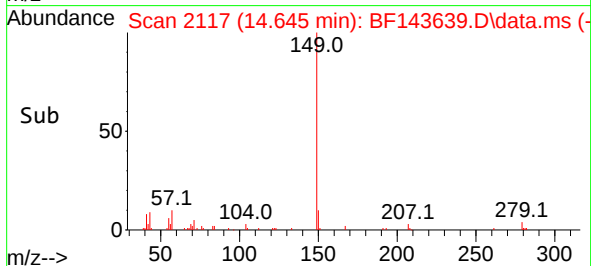
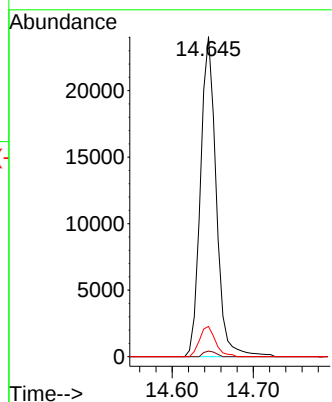
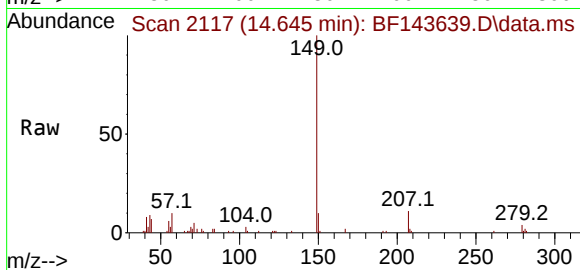
Tgt Ion:149 Resp: 32490

Ion Ratio Lower Upper

149 100

167 1.3 1.2 1.8

43 9.6 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

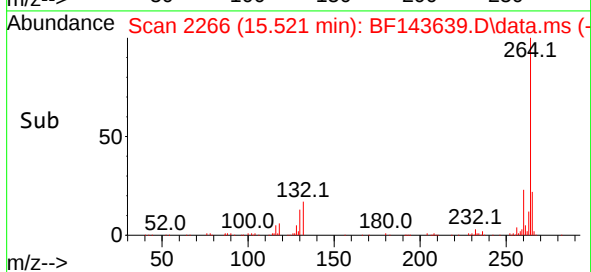
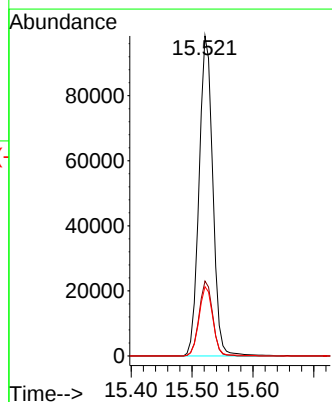
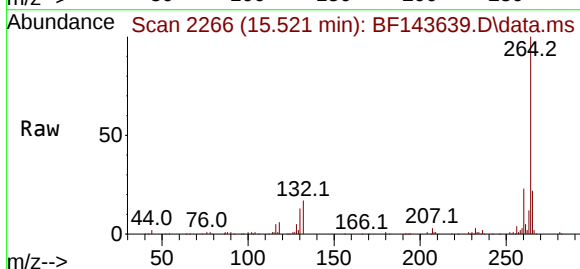
Tgt Ion:264 Resp: 153590

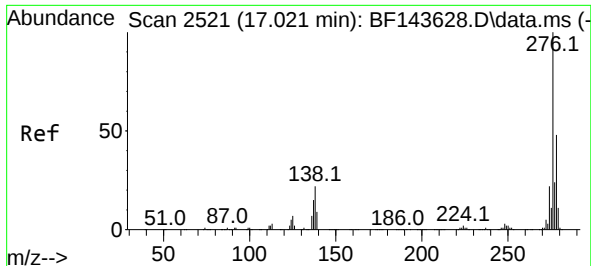
Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.6 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.378 ng

RT: 17.003 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

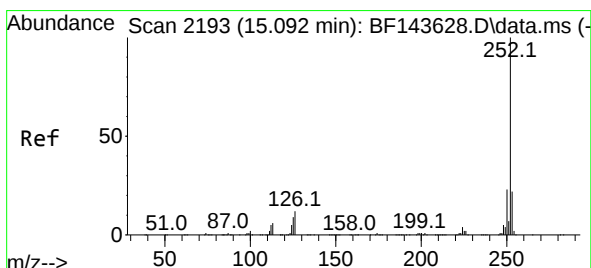
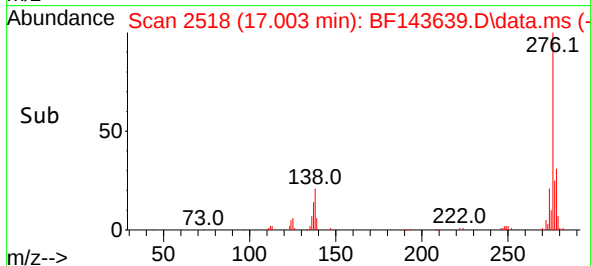
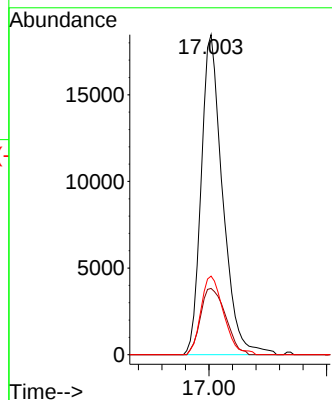
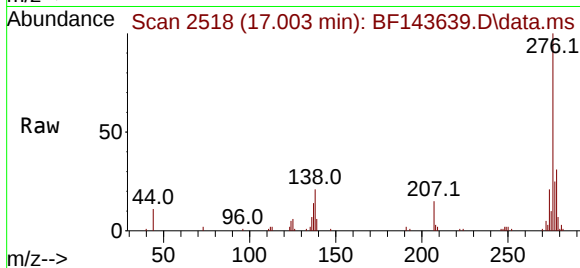
Tgt Ion:276 Resp: 46873

Ion Ratio Lower Upper

276 100

138 24.2 19.8 29.6

277 25.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 4.094 ng

RT: 15.086 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF143639.D

Acq: 04 Sep 2025 12:46

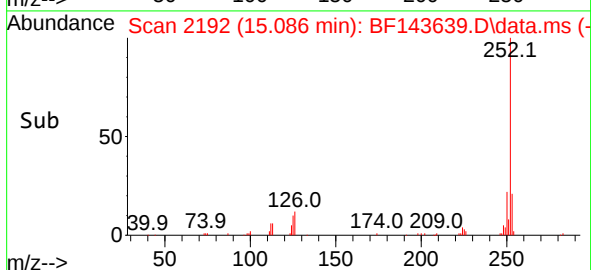
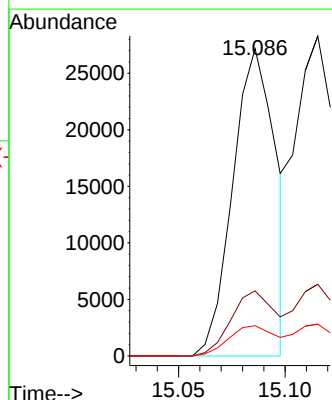
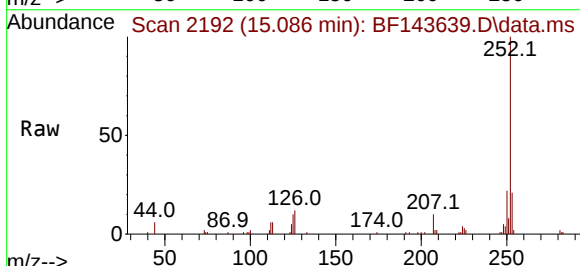
Tgt Ion:252 Resp: 37881

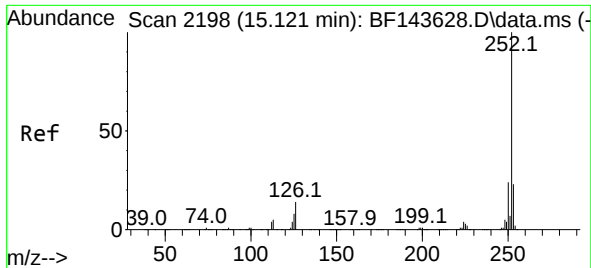
Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

125 9.8 7.4 11.2

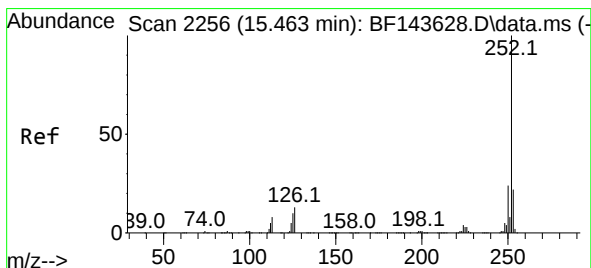
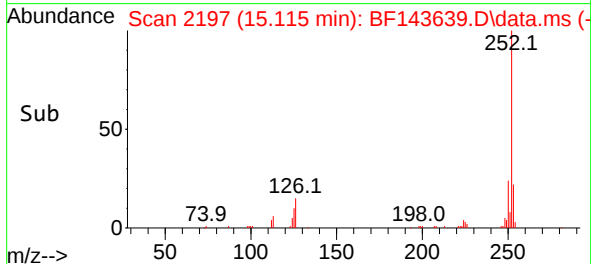
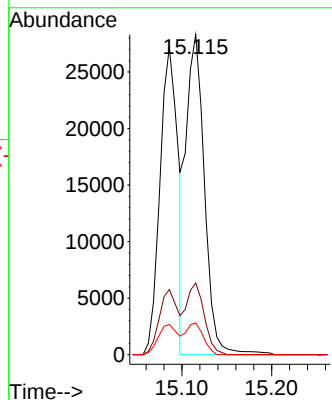
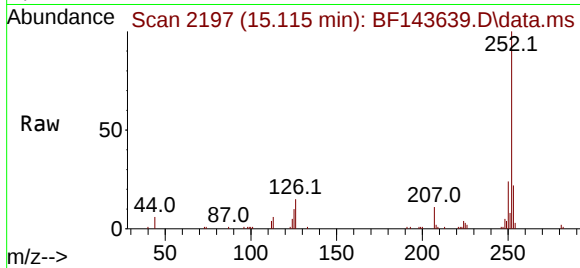




#89
Benzo(k)fluoranthene
Concen: 5.046 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

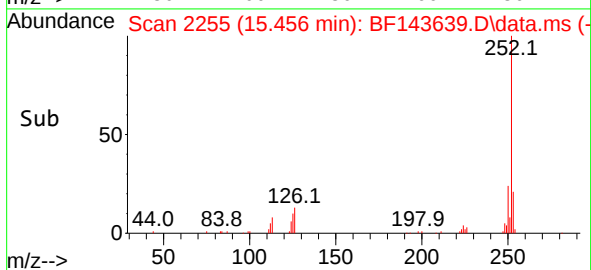
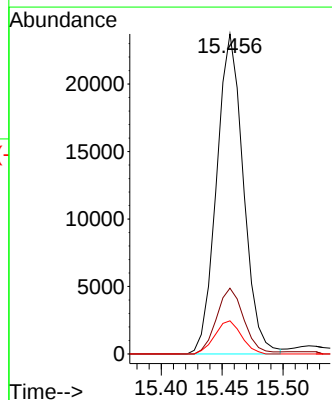
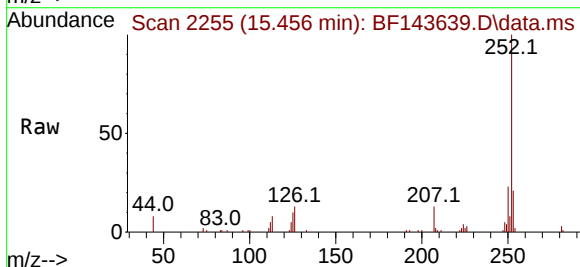
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

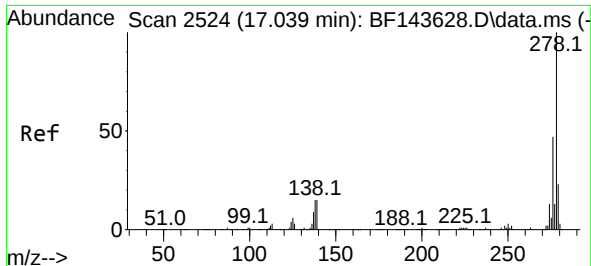
Tgt Ion:252 Resp: 40382
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.9 7.3 10.9



#90
Benzo(a)pyrene
Concen: 4.567 ng
RT: 15.456 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:252 Resp: 36325
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.2
125 10.3 8.3 12.5

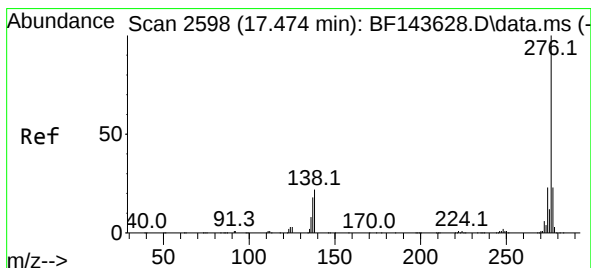
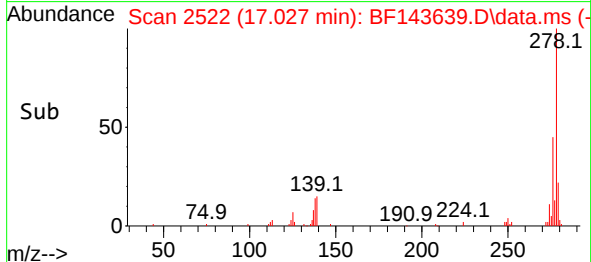
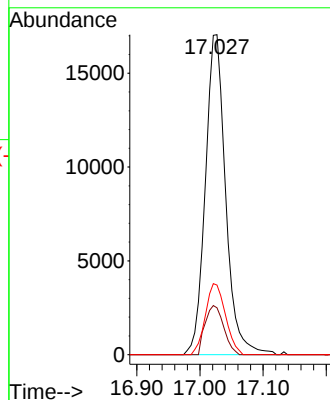
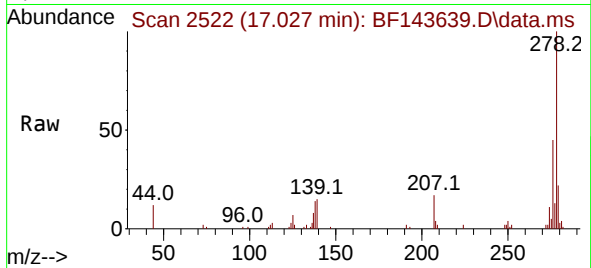




#91
Dibenzo(a,h)anthracene
Concen: 4.339 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Tgt Ion:278 Resp: 38209
Ion Ratio Lower Upper
278 100
139 14.6 12.4 18.6
279 21.8 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 4.379 ng
RT: 17.450 min Scan# 2594
Delta R.T. -0.024 min
Lab File: BF143639.D
Acq: 04 Sep 2025 12:46

Tgt Ion:276 Resp: 37146
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 22.4 17.2 25.8

