

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
 Data File : BF141304.D
 Acq On : 30 Jan 2025 10:23
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Quant Time: Jan 30 18:17:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	138501	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	550579	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	304536	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	529687	20.000	ng	0.00
76) Chrysene-d12	13.962	240	312450	20.000	ng	-0.01
86) Perylene-d12	15.427	264	276883	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	855480	94.825	ng	0.00
7) Phenol-d6	6.428	99	1089318	94.915	ng	-0.01
23) Nitrobenzene-d5	7.357	82	735381	70.411	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	267415	95.783	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1340092	67.731	ng	0.00
79) Terphenyl-d14	12.910	244	1338082	66.045	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	20492	5.165	ng	99
3) Pyridine	3.263	79	42970	4.495	ng	97
4) n-Nitrosodimethylamine	3.157	42	25840	4.732	ng	# 93
6) Aniline	6.457	93	63487	6.535	ng	100
8) 2-Chlorophenol	6.581	128	51380	5.314	ng	93
9) Benzaldehyde	6.345	77	42201	6.348	ng	98
10) Phenol	6.439	94	64538	5.305	ng	87
11) bis(2-Chloroethyl)ether	6.534	93	48173	5.164	ng	98
12) 1,3-Dichlorobenzene	6.739	146	55582	5.213	ng	98
13) 1,4-Dichlorobenzene	6.816	146	54697	5.107	ng	99
14) 1,2-Dichlorobenzene	6.969	146	51711	5.156	ng	99
15) Benzyl Alcohol	6.939	79	49094	6.260	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	89750	5.533	ng	99
17) 2-Methylphenol	7.045	107	39744	5.057	ng	99
18) Hexachloroethane	7.310	117	19131	4.842	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	36289	5.321	ng	98
20) 3+4-Methylphenols	7.198	107	49861	5.167	ng	# 83
22) Acetophenone	7.204	105	76526	5.847	ng	97
24) Nitrobenzene	7.375	77	56557	5.225	ng	99
25) Isophorone	7.610	82	98938	5.480	ng	97
26) 2-Nitrophenol	7.692	139	25440	4.984	ng	99
27) 2,4-Dimethylphenol	7.728	122	22822	3.513	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	60881	5.287	ng	98
29) 2,4-Dichlorophenol	7.933	162	40497	5.091	ng	98
30) 1,2,4-Trichlorobenzene	8.022	180	45872	5.050	ng	99
31) Naphthalene	8.098	128	154936	5.327	ng	99
32) Benzoic acid	7.792	122	12948	2.168	ng	95
33) 4-Chloroaniline	8.151	127	57309	5.810	ng	97
34) Hexachlorobutadiene	8.222	225	26728	5.018	ng	96
35) Caprolactam	8.475	113	13334	5.133	ng	97
36) 4-Chloro-3-methylphenol	8.628	107	46494	5.450	ng	97
37) 2-Methylnaphthalene	8.792	142	101066	5.467	ng	99
38) 1-Methylnaphthalene	8.892	142	92339	5.085	ng	98
40) 1,2,4,5-Tetrachloroben...	8.957	216	47282	5.457	ng	97
41) Hexachlorocyclopentadiene	8.945	237	8775	3.430	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	27798	4.902	ng	95

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Quant Time: Jan 30 18:17:33 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
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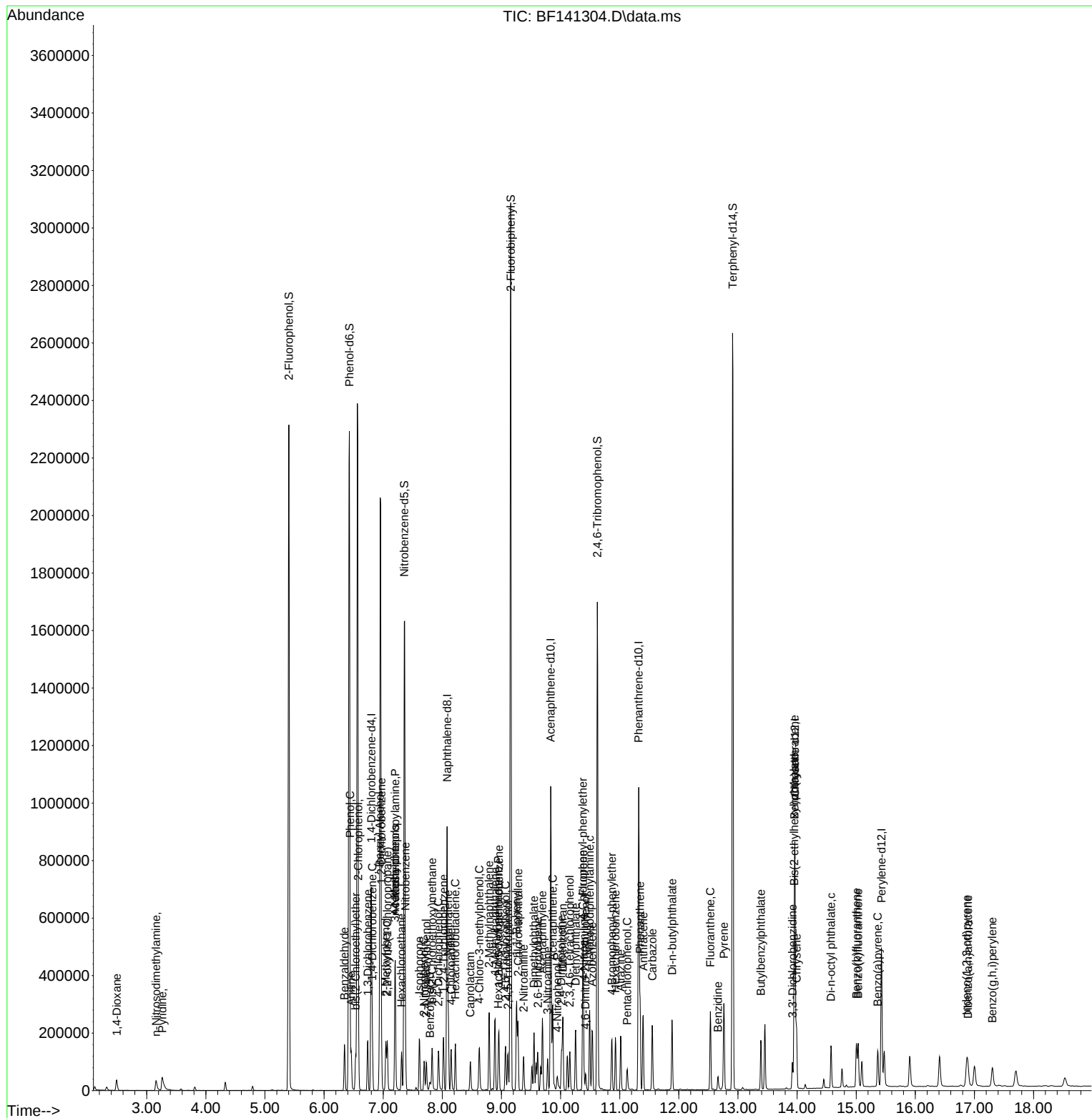
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	30364	4.920	ng	97
46) 1,1'-Biphenyl	9.257	154	136999	5.768	ng	98
47) 2-Chloronaphthalene	9.280	162	95551	5.162	ng	98
48) 2-Nitroaniline	9.375	65	28156	4.836	ng	94
49) Acenaphthylene	9.692	152	145247	5.605	ng	100
50) Dimethylphthalate	9.551	163	109916	5.344	ng	100
51) 2,6-Dinitrotoluene	9.616	165	22676	4.748	ng	96
52) Acenaphthene	9.869	154	97056	5.243	ng	99
53) 3-Nitroaniline	9.780	138	23226	4.962	ng	96
55) Dibenzofuran	10.039	168	138040	5.571	ng	97
56) 4-Nitrophenol	9.945	139	13893	4.059	ng	98
57) 2,4-Dinitrotoluene	10.016	165	30753	4.974	ng	96
58) Fluorene	10.380	166	108665	5.653	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	24885	5.125	ng	99
60) Diethylphthalate	10.257	149	108863	5.459	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	51757	5.512	ng	98
62) 4-Nitroaniline	10.392	138	20551	4.466	ng	97
63) Azobenzene	10.533	77	108219	5.421	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	10094	3.222	ng	88
66) n-Nitrosodiphenylamine	10.492	169	92333	5.390	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	30636	5.166	ng	96
68) Hexachlorobenzene	10.927	284	32493	5.166	ng	99
69) Atrazine	11.016	200	30043	5.245	ng	99
70) Pentachlorophenol	11.127	266	13991	3.798	ng	98
71) Phenanthrene	11.345	178	160017	5.620	ng	98
72) Anthracene	11.398	178	150462	5.393	ng	98
73) Carbazole	11.551	167	129132	5.220	ng	99
74) Di-n-butylphthalate	11.886	149	165400	5.517	ng	99
75) Fluoranthene	12.533	202	155286	5.523	ng	99
77) Benzidine	12.663	184	28150	2.810	ng	99
78) Pyrene	12.763	202	166682	5.558	ng	99
80) Butylbenzylphthalate	13.386	149	52670	5.027	ng	96
81) Benzo(a)anthracene	13.957	228	113856	5.281	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	29294	4.272	ng	98
83) Chrysene	13.992	228	102490	5.187	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	70386	5.295	ng	99
85) Di-n-octyl phthalate	14.574	149	96335	4.666	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	78734	4.406	ng	98
88) Benzo(b)fluoranthene	15.004	252	84985	4.880	ng	99
89) Benzo(k)fluoranthene	15.033	252	76883	4.983	ng	100
90) Benzo(a)pyrene	15.362	252	76894	5.225	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	62387	4.339	ng	99
92) Benzo(g,h,i)perylene	17.303	276	62505	4.181	ng	99

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

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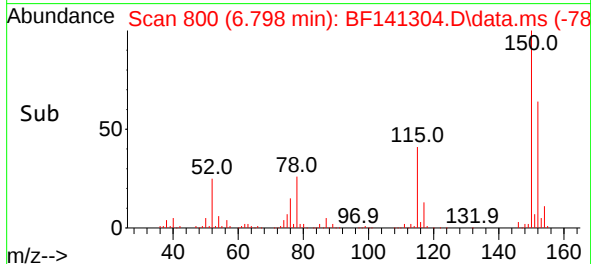
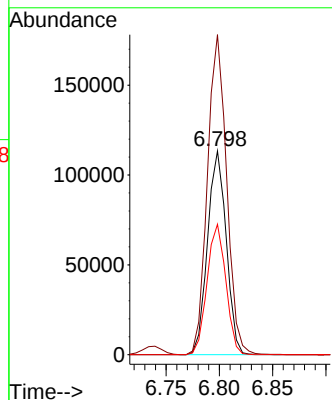
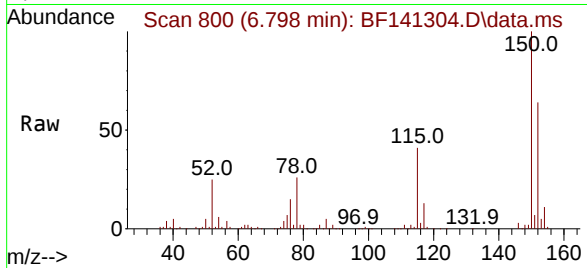




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141304.D
 Acq: 30 Jan 2025 10:23

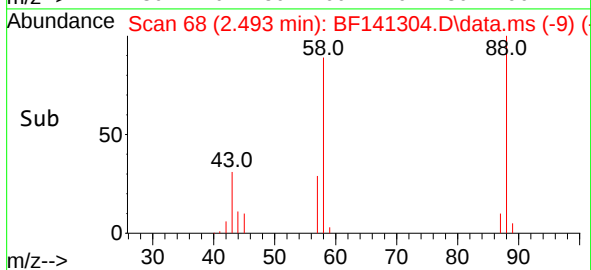
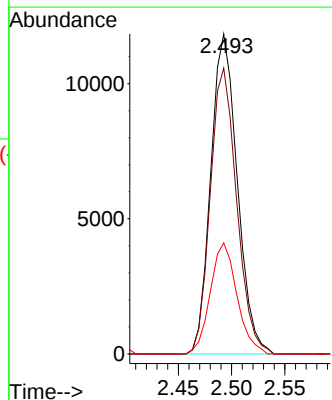
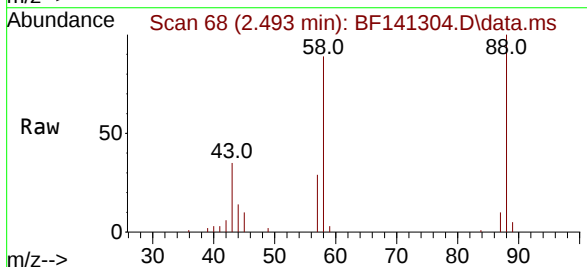
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

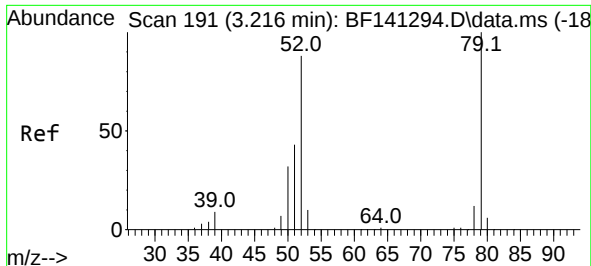
Tgt Ion:152 Resp: 138501
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.9 188.9
 115 64.0 49.7 74.5



#2
 1,4-Dioxane
 Concen: 5.165 ng
 RT: 2.493 min Scan# 68
 Delta R.T. -0.000 min
 Lab File: BF141304.D
 Acq: 30 Jan 2025 10:23

Tgt Ion: 88 Resp: 20492
 Ion Ratio Lower Upper
 88 100
 58 88.7 70.2 105.4
 43 34.9 27.6 41.4





#3

Pyridine

Concen: 4.495 ng

RT: 3.263 min Scan# 191

Delta R.T. 0.035 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

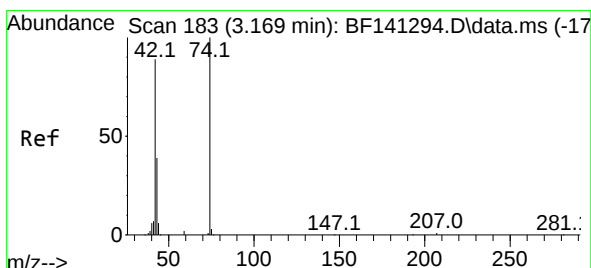
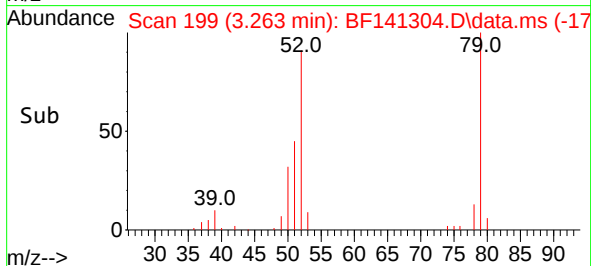
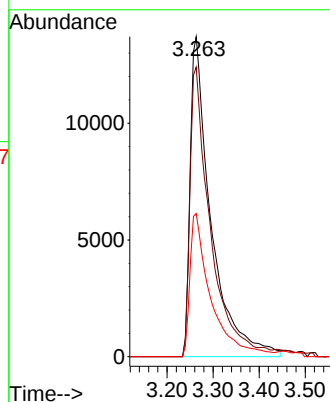
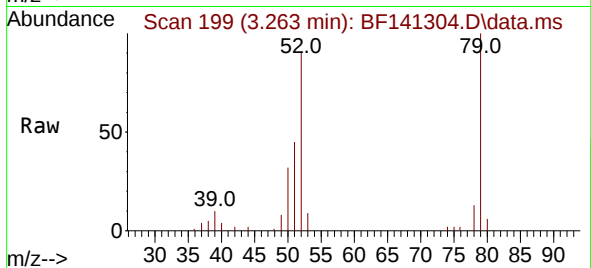
Tgt Ion: 79 Resp: 42970

Ion Ratio Lower Upper

79 100

52 90.5 70.3 105.5

51 44.8 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 4.732 ng

RT: 3.157 min Scan# 181

Delta R.T. -0.041 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

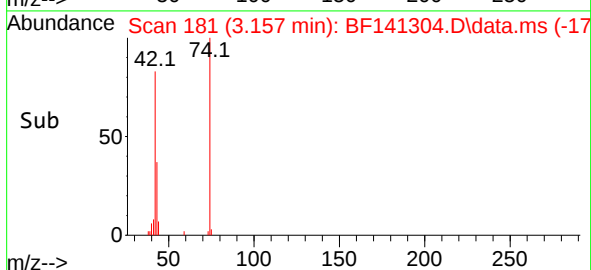
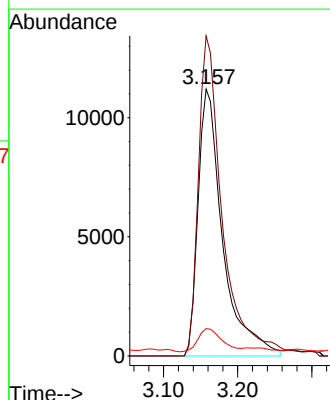
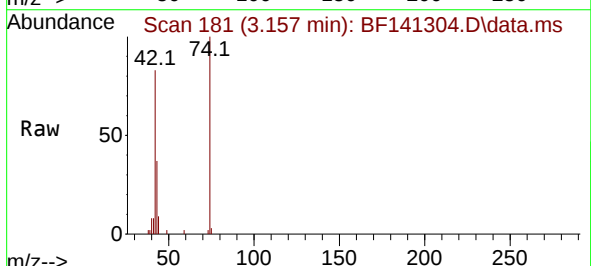
Tgt Ion: 42 Resp: 25840

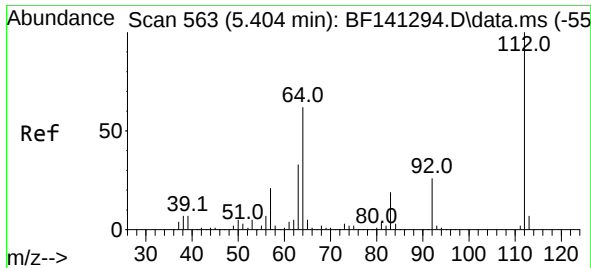
Ion Ratio Lower Upper

42 100

74 119.9 90.3 135.5

44 10.3 5.7 8.5

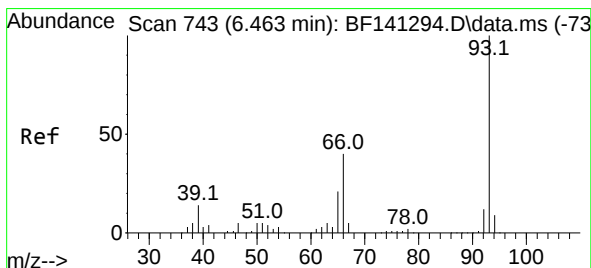
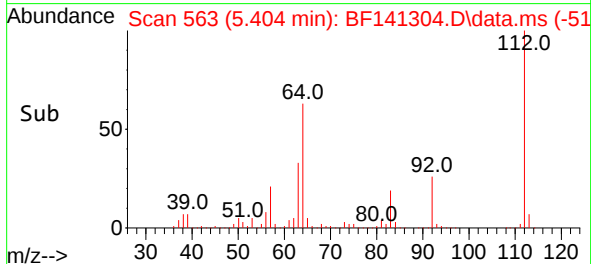
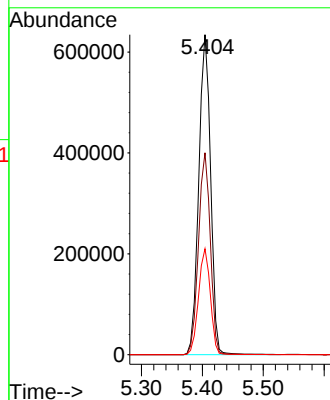
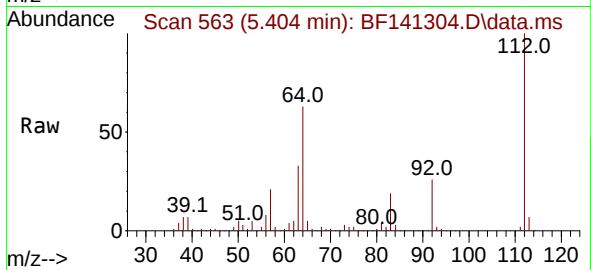




#5
2-Fluorophenol
Concen: 94.825 ng
RT: 5.404 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

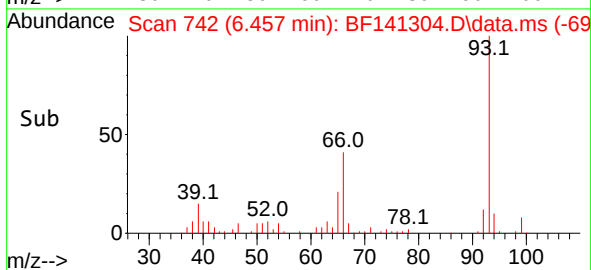
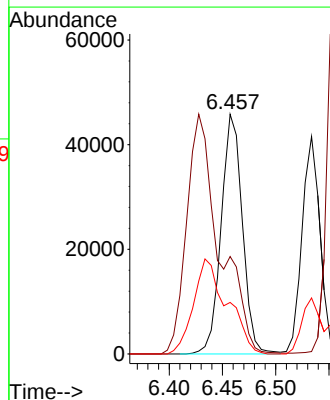
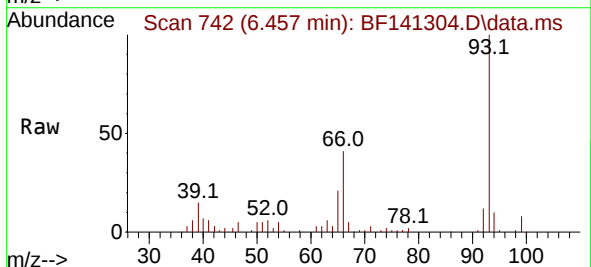
Instrument :
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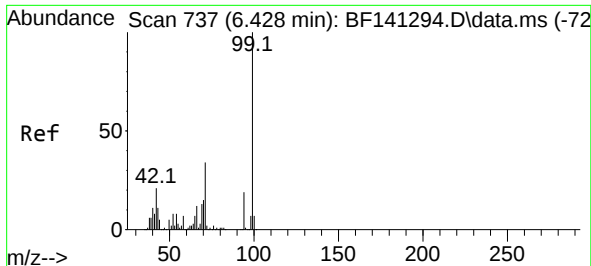
Tgt Ion:112 Resp: 855480
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 33.1 26.1 39.1



#6
Aniline
Concen: 6.535 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion: 93 Resp: 63487
Ion Ratio Lower Upper
93 100
66 40.7 32.5 48.7
65 21.5 17.0 25.6





#7

Phenol-d6

Concen: 94.915 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

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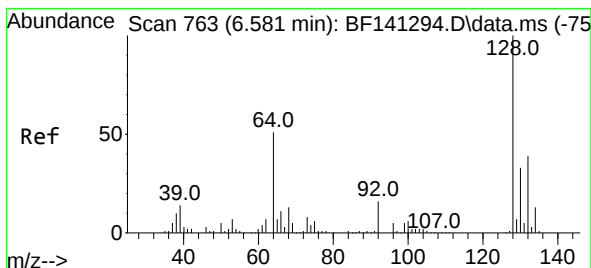
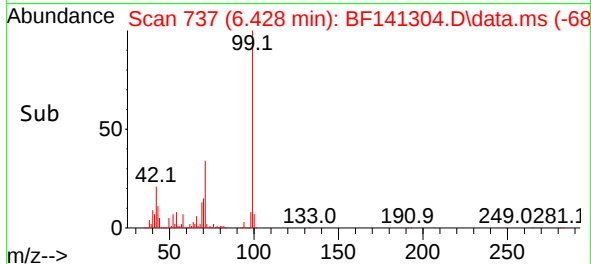
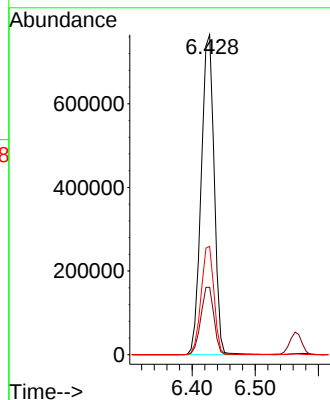
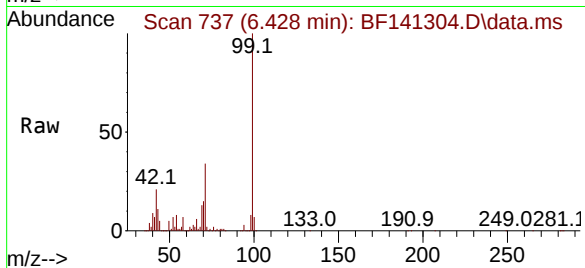
Tgt Ion: 99 Resp: 1089318

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

71 33.9 26.9 40.3



#8

2-Chlorophenol

Concen: 5.314 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

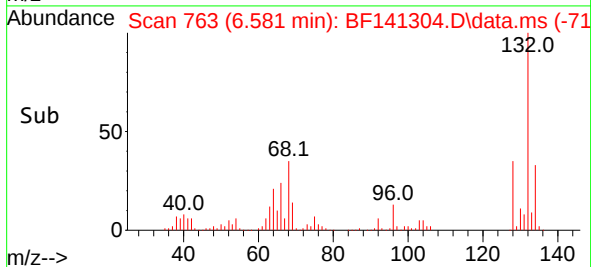
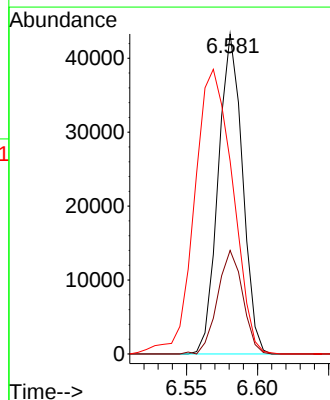
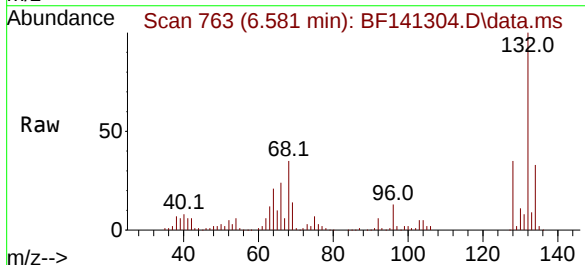
Tgt Ion:128 Resp: 51380

Ion Ratio Lower Upper

128 100

130 32.3 12.5 52.5

64 60.3 32.9 72.9





#9

Benzaldehyde

Concen: 6.348 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

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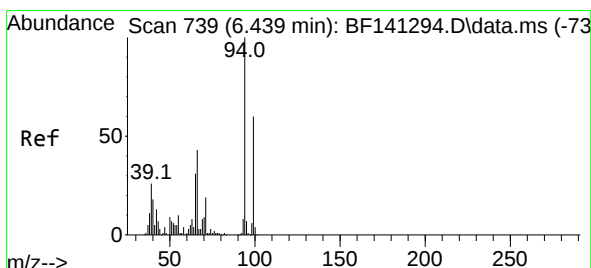
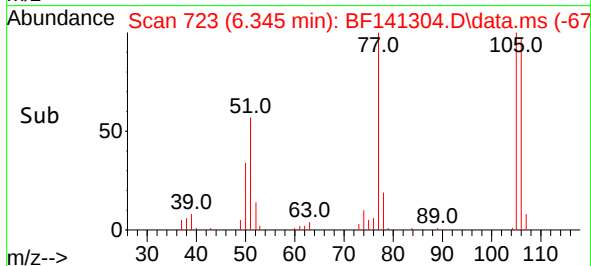
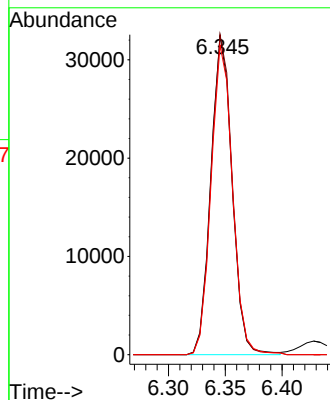
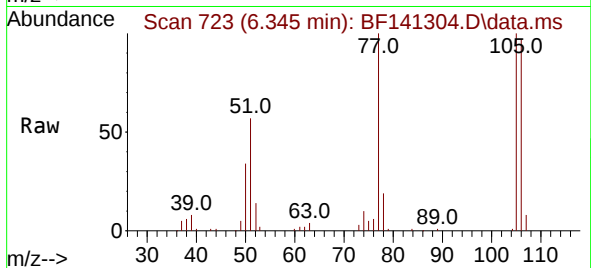
Tgt Ion: 77 Resp: 42201

Ion Ratio Lower Upper

77 100

105 100.3 79.4 119.4

106 97.0 74.6 114.6



#10

Phenol

Concen: 5.305 ng

RT: 6.439 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

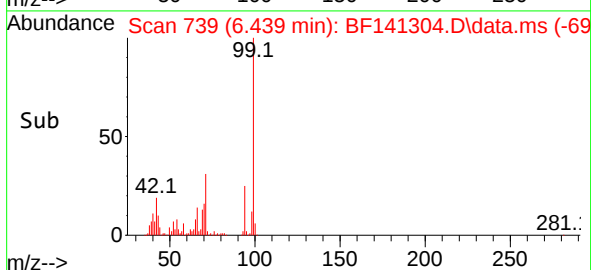
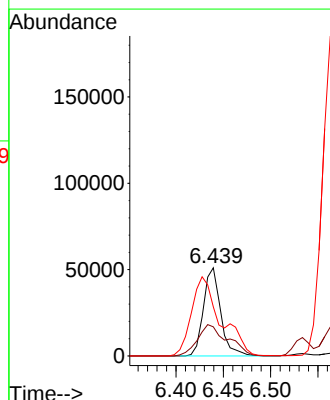
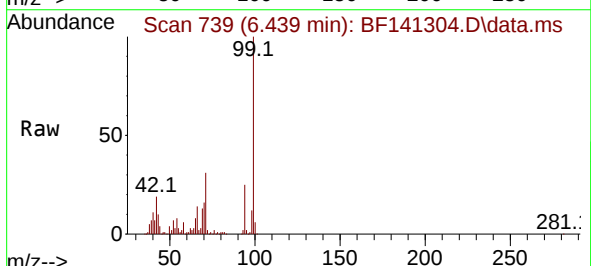
Tgt Ion: 94 Resp: 64538

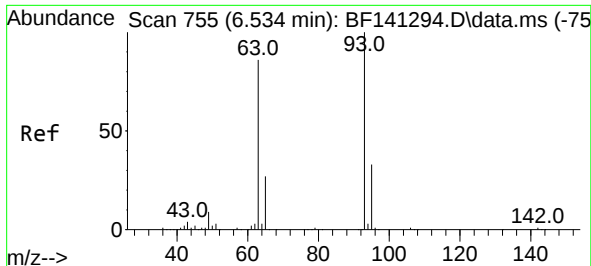
Ion Ratio Lower Upper

94 100

65 33.1 10.8 50.8

66 55.7 23.3 63.3

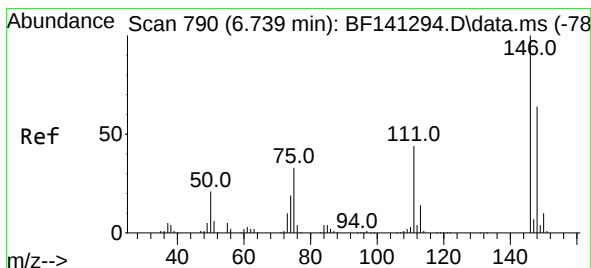
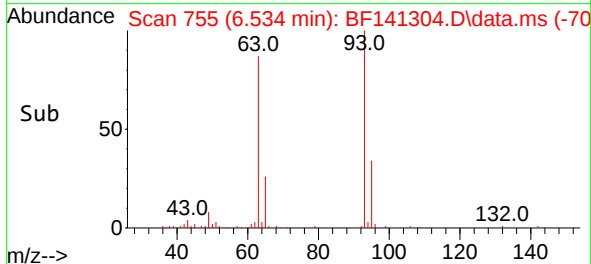
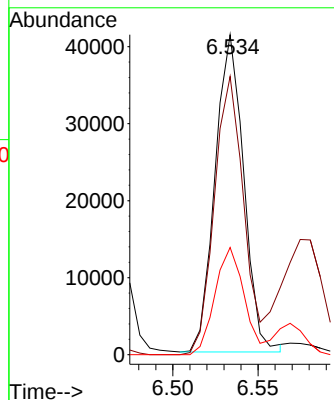
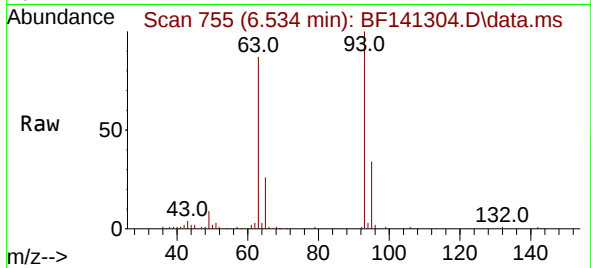




#11
bis(2-Chloroethyl)ether
Concen: 5.164 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

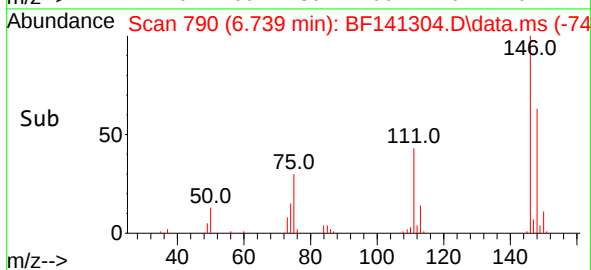
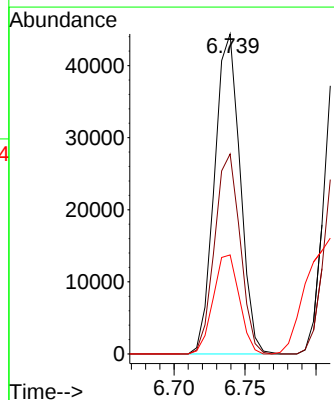
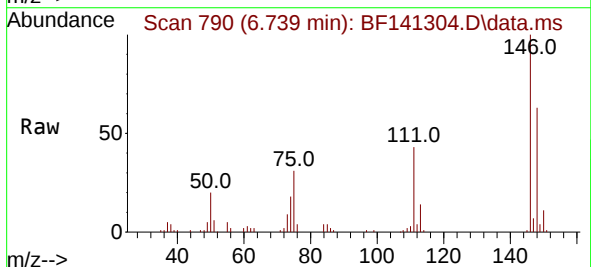
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025

Tgt Ion:	93	Resp:	48173
Ion	Ratio	Lower	Upper
93	100		
63	87.0	65.0	105.0
95	33.5	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 5.213 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:	146	Resp:	55582
Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.2	76.8
75	30.9	26.2	39.4





#13

1,4-Dichlorobenzene

Concen: 5.107 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

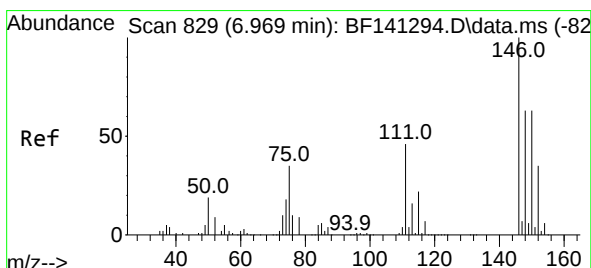
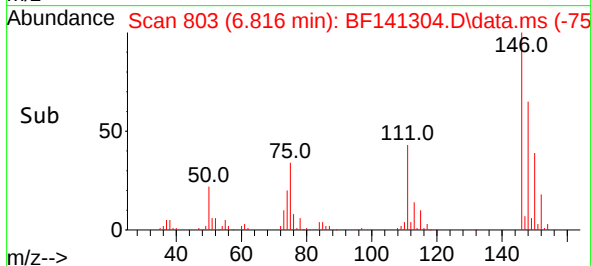
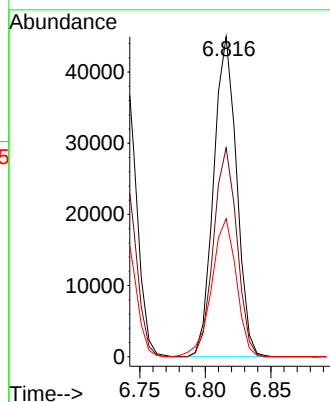
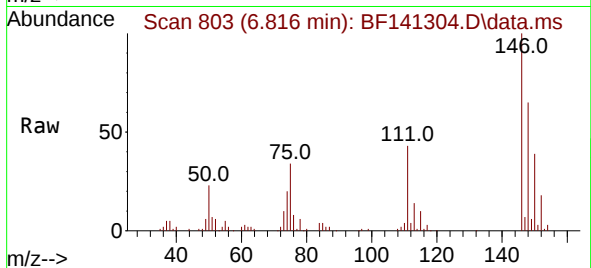
Tgt Ion:146 Resp: 54697

Ion Ratio Lower Upper

146 100

148 65.3 51.2 76.8

111 43.1 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 5.156 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

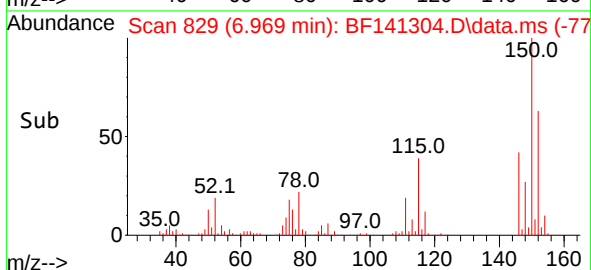
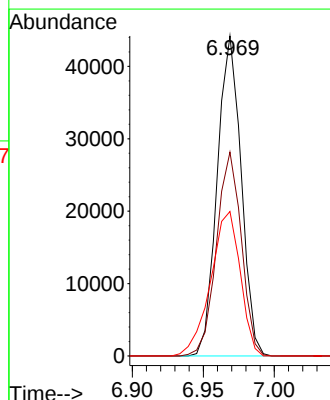
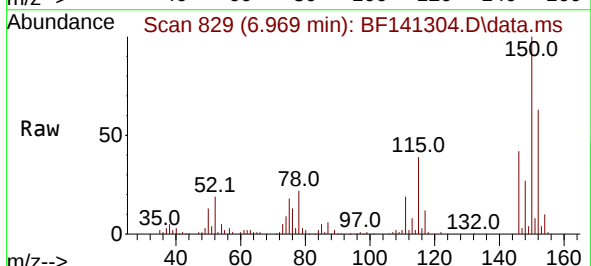
Tgt Ion:146 Resp: 51711

Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 45.2 36.6 55.0

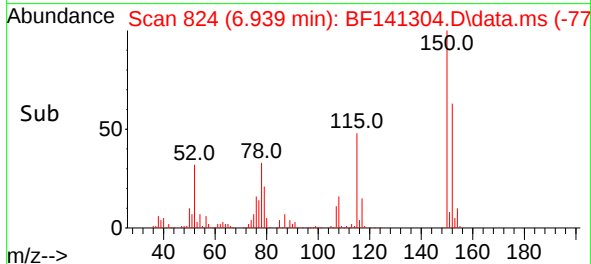
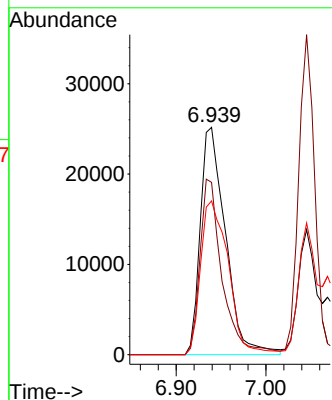
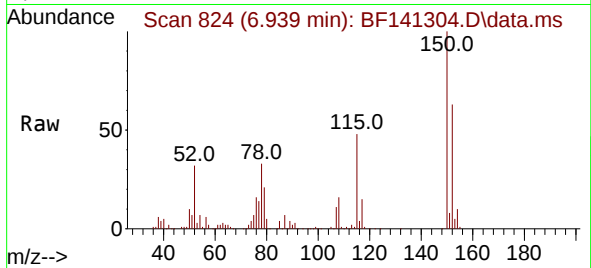




#15
Benzyl Alcohol
Concen: 6.260 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

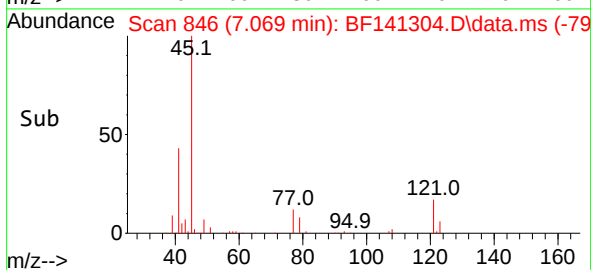
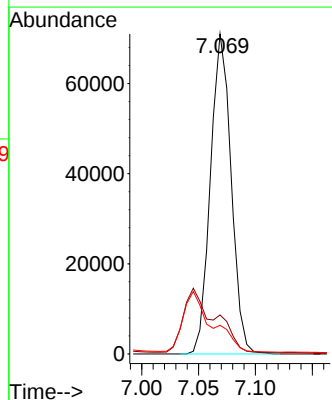
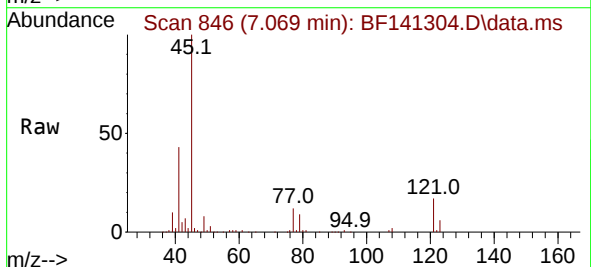
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

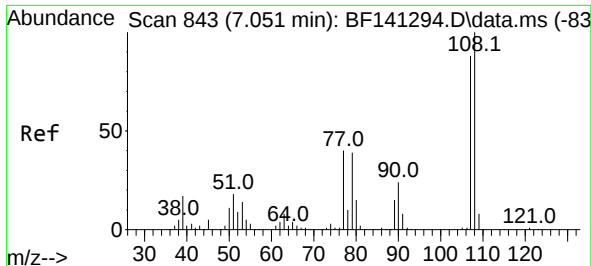
Tgt Ion: 79 Resp: 49094
Ion Ratio Lower Upper
79 100
108 75.8 61.4 92.0
77 67.6 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.533 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion: 45 Resp: 89750
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.8
79 9.0 0.0 29.1

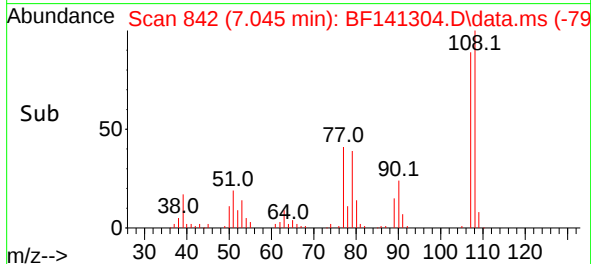
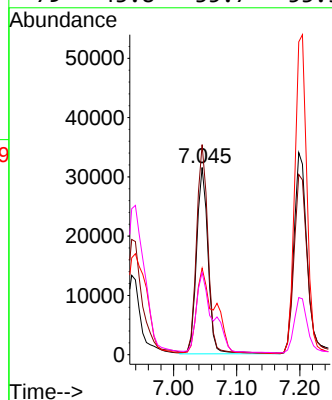
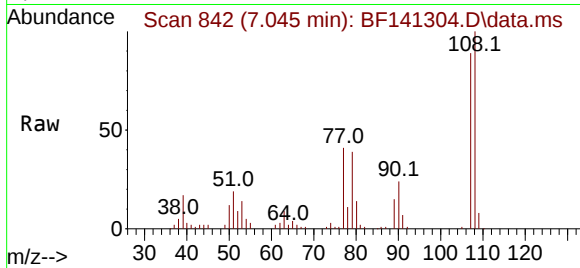




#17
2-Methylphenol
Concen: 5.057 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

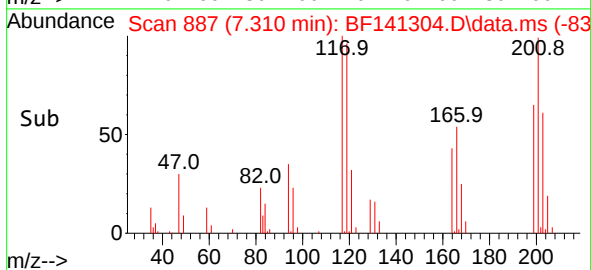
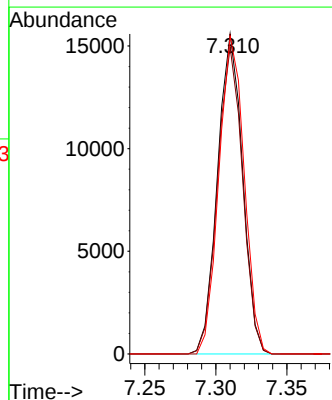
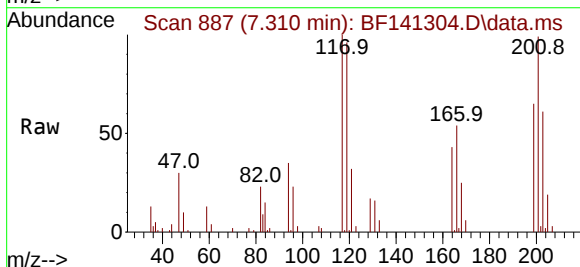
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:	107	Resp:	39744
Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.8	136.2
77	46.2	36.2	54.4
79	43.8	35.7	53.5



#18
Hexachloroethane
Concen: 4.842 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:	117	Resp:	19131
Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.6	114.8
201	99.4	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 5.321 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.024 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 70 Resp: 36289

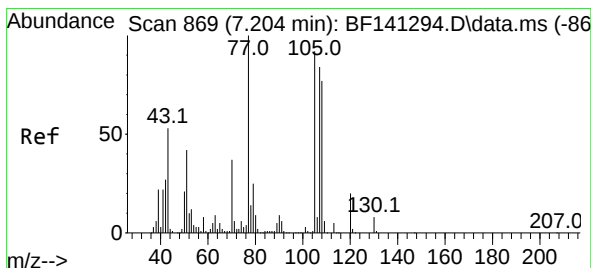
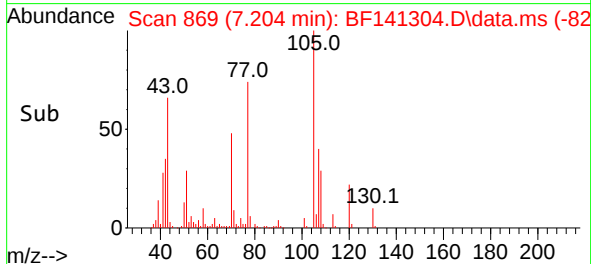
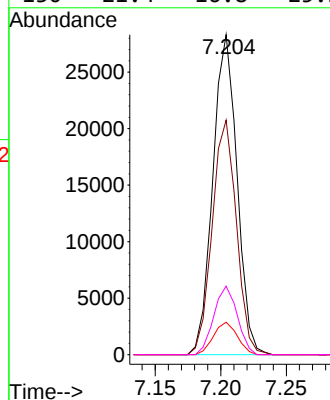
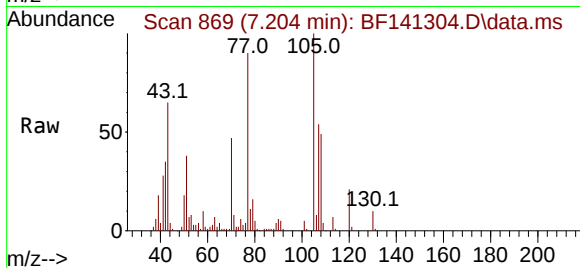
Ion Ratio Lower Upper

70 100

42 73.3 56.8 85.2

101 10.2 7.7 11.5

130 21.4 16.8 25.2



#20

3+4-Methylphenols

Concen: 5.167 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:107 Resp: 49861

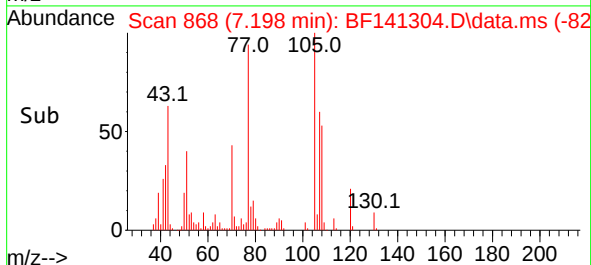
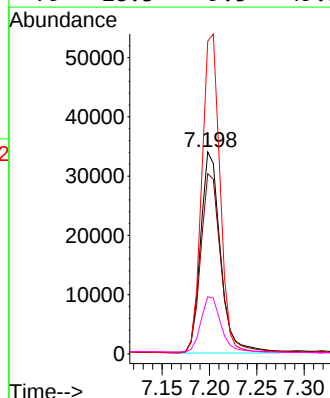
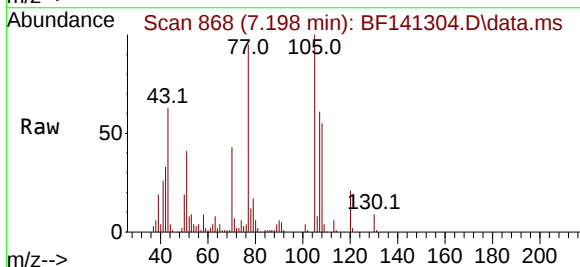
Ion Ratio Lower Upper

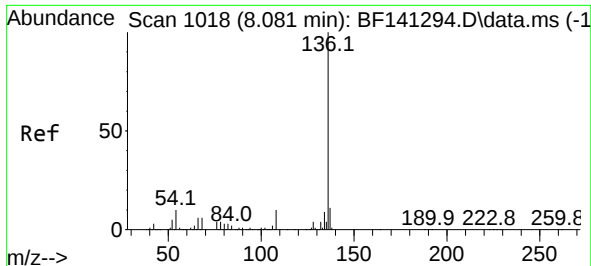
107 100

108 89.2 70.9 110.9

77 154.8 98.5 138.5#

79 28.3 9.5 49.5

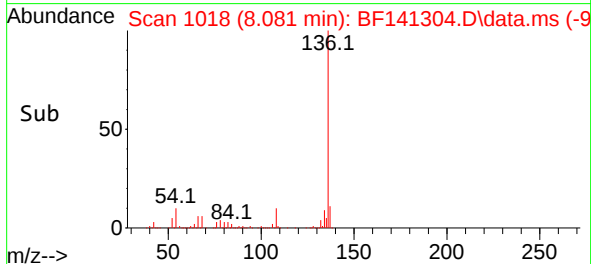
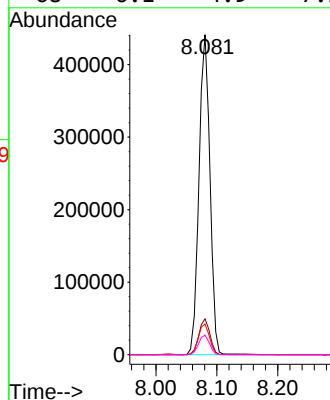
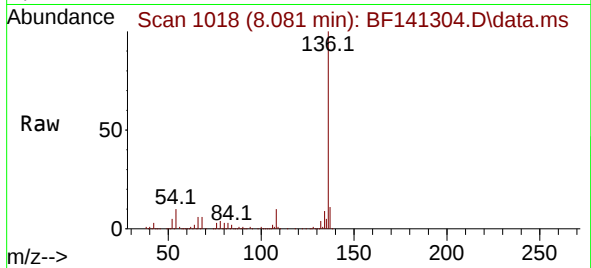




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

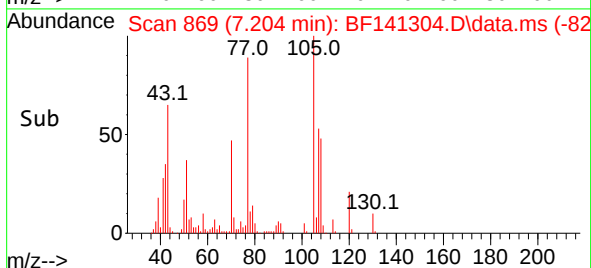
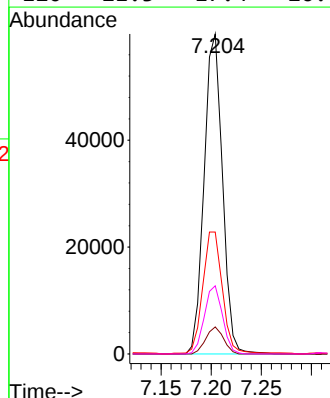
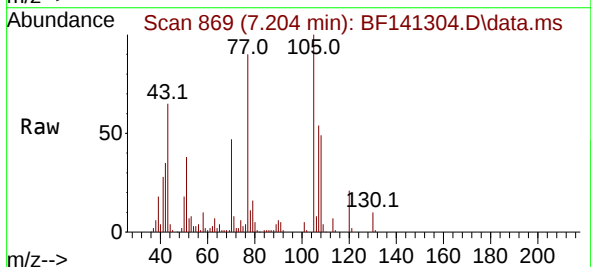
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

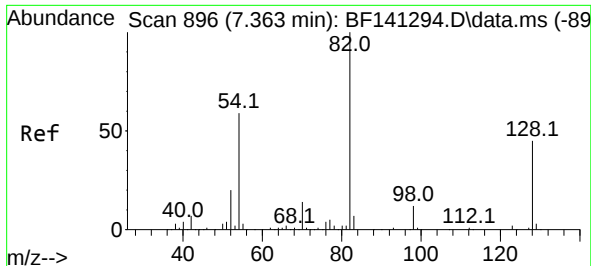
Tgt Ion:	136	Resp:	550579
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3



#22
Acetophenone
Concen: 5.847 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:	105	Resp:	76526
Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	38.1	32.6	49.0
120	21.3	17.4	26.0





#23

Nitrobenzene-d5

Concen: 70.411 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

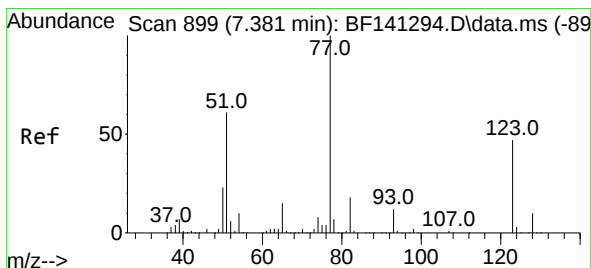
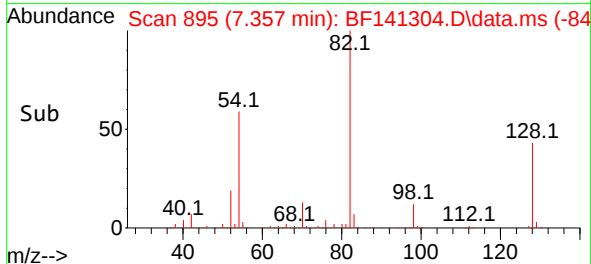
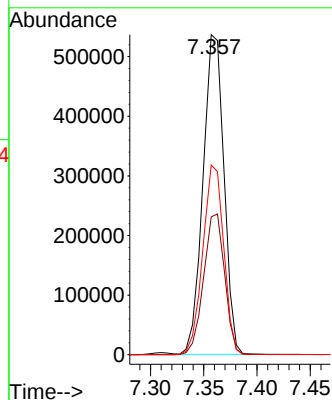
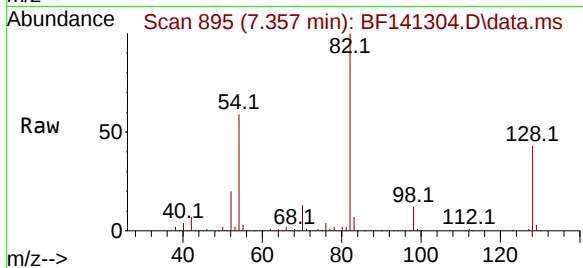
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion: 82 Resp: 735381

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.7	53.5
54	59.3	47.1	70.7



#24

Nitrobenzene

Concen: 5.225 ng

RT: 7.375 min Scan# 898

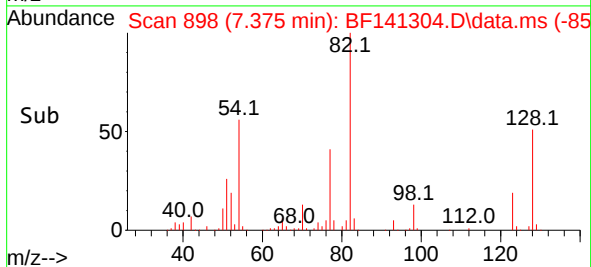
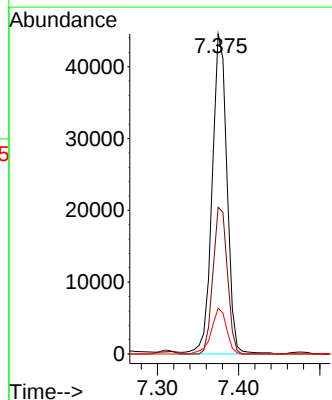
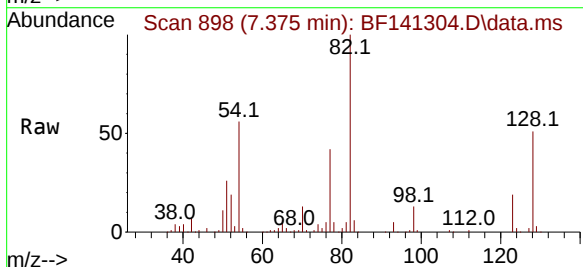
Delta R.T. -0.018 min

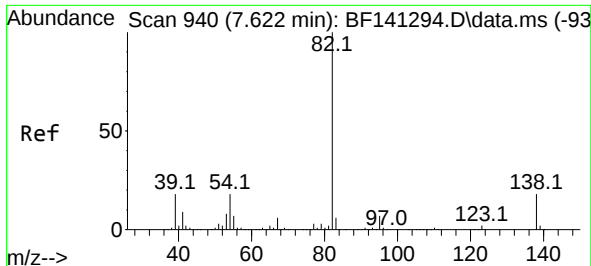
Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion: 77 Resp: 56557

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.3	55.9
65	14.3	11.8	17.6

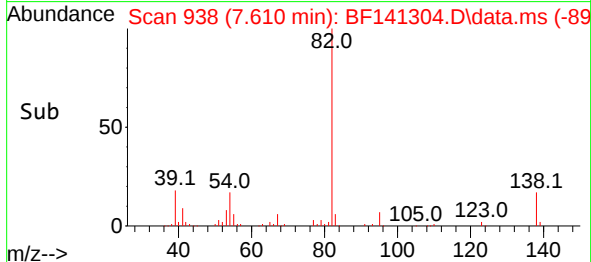
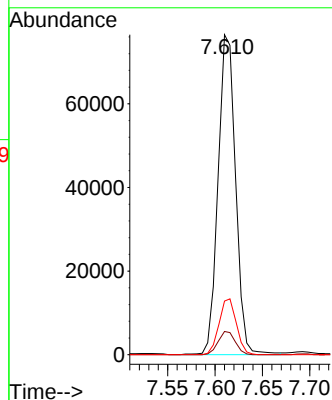
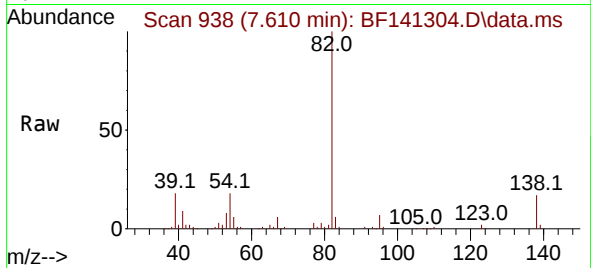




#25
Isophorone
Concen: 5.480 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

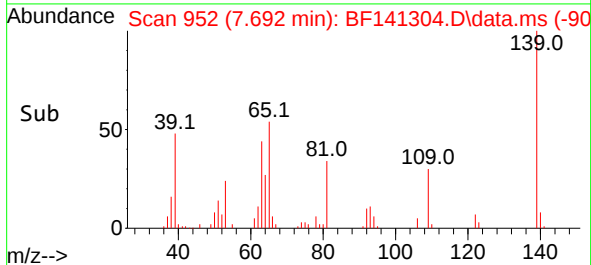
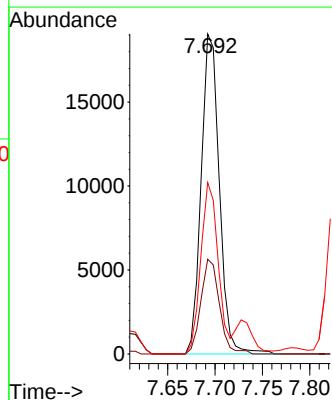
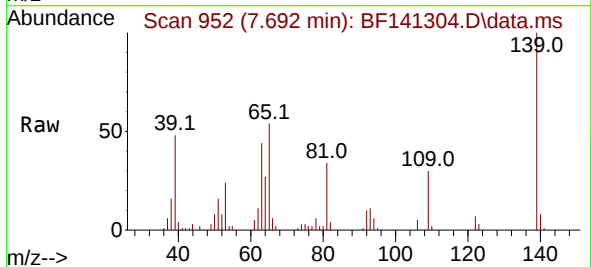
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 82 Resp: 98938
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 16.7 14.7 22.1



#26
2-Nitrophenol
Concen: 4.984 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:139 Resp: 25440
Ion Ratio Lower Upper
139 100
109 29.6 23.8 35.6
65 53.5 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 3.513 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

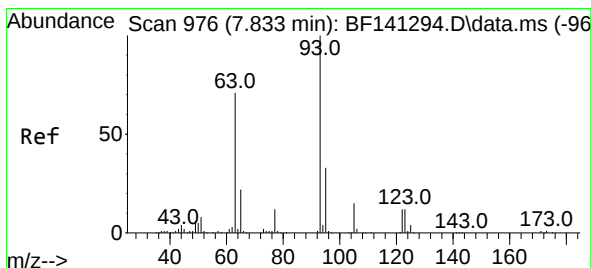
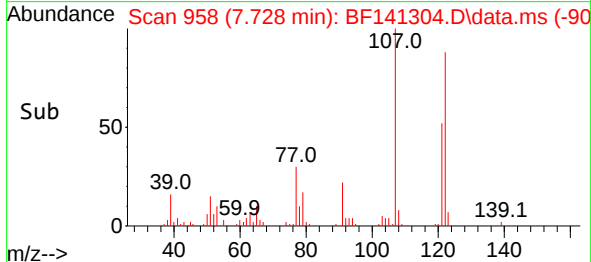
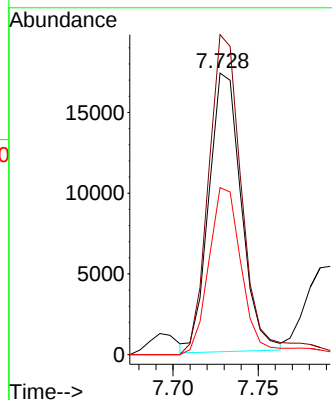
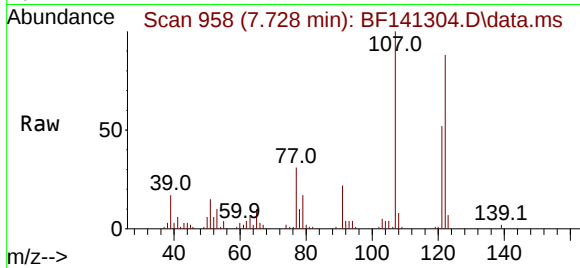
Tgt Ion:122 Resp: 22822

Ion Ratio Lower Upper

122 100

107 113.6 89.9 134.9

121 59.3 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.287 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

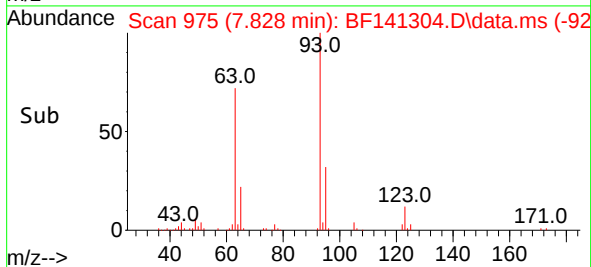
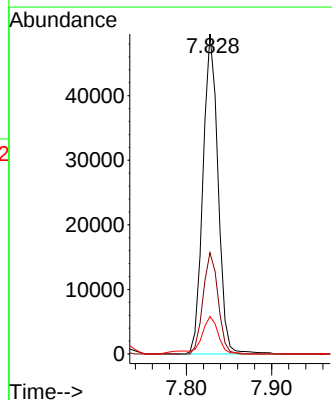
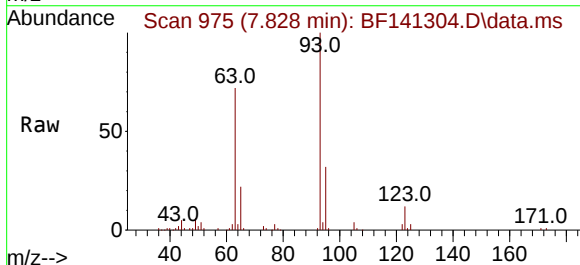
Tgt Ion: 93 Resp: 60881

Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.2

123 11.7 10.2 15.4

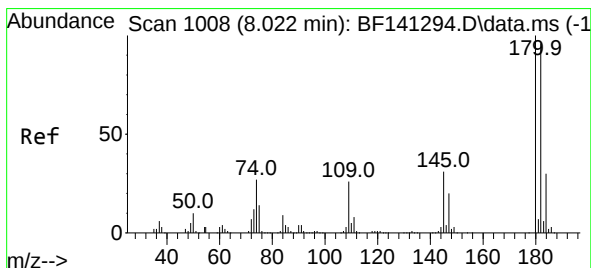
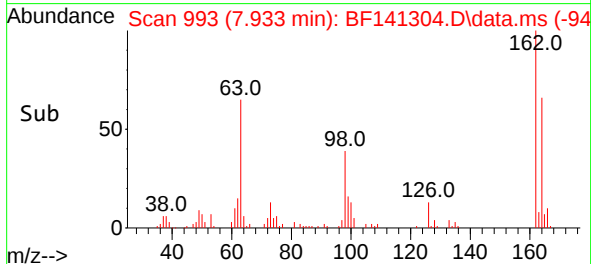
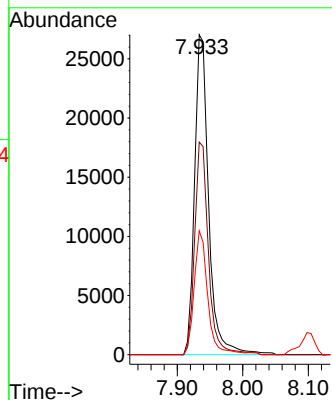
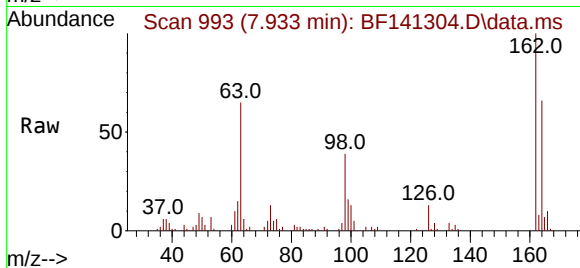




#29
2,4-Dichlorophenol
Concen: 5.091 ng
RT: 7.933 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

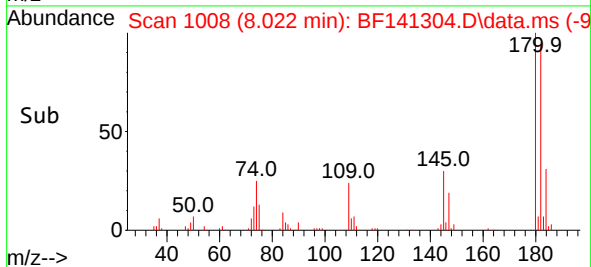
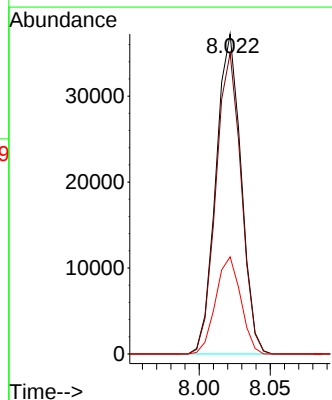
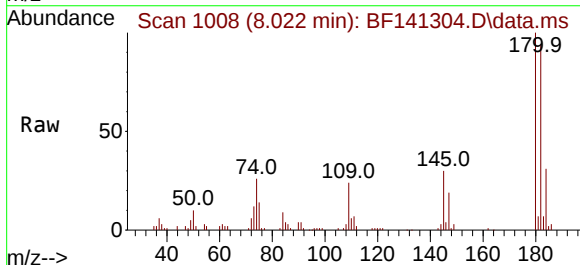
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:162 Resp: 40497
Ion Ratio Lower Upper
162 100
164 66.5 44.2 84.2
98 38.7 18.2 58.2



#30
1,2,4-Trichlorobenzene
Concen: 5.050 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:180 Resp: 45872
Ion Ratio Lower Upper
180 100
182 94.0 76.4 114.6
145 30.3 24.9 37.3

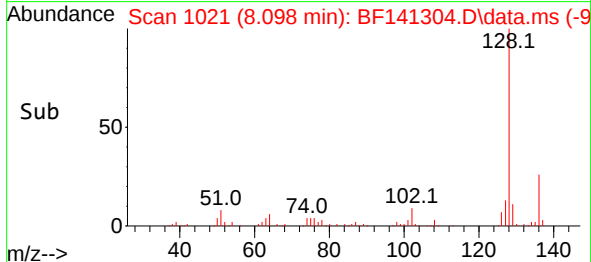
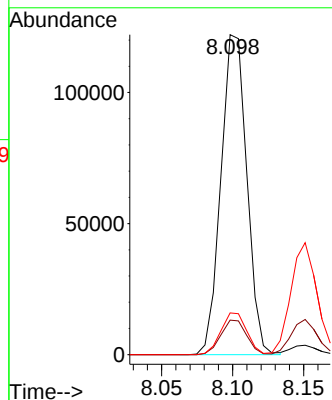
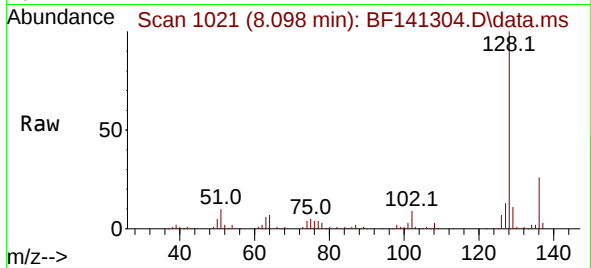




#31
Naphthalene
Concen: 5.327 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

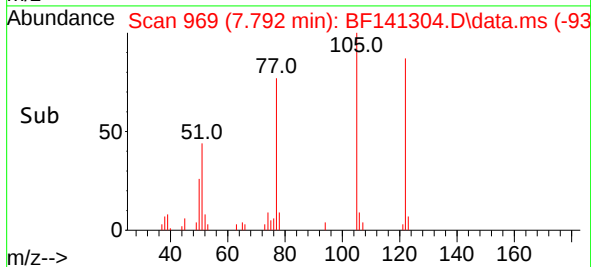
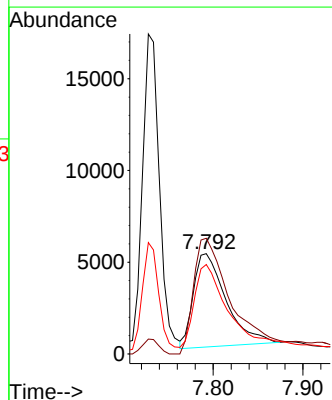
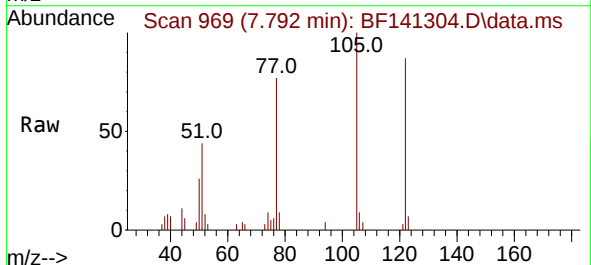
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:128 Resp: 154936
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 2.168 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.088 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:122 Resp: 12948
Ion Ratio Lower Upper
122 100
105 115.3 103.4 143.4
77 89.2 70.9 110.9

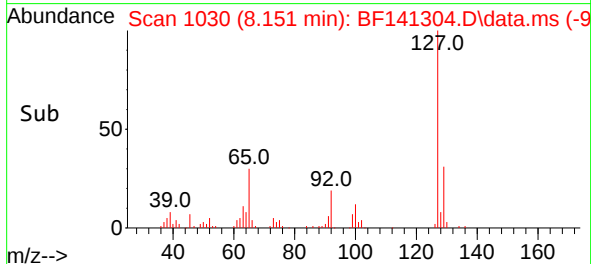
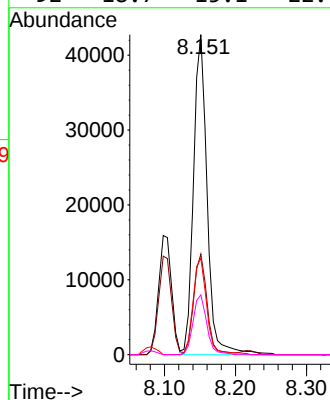
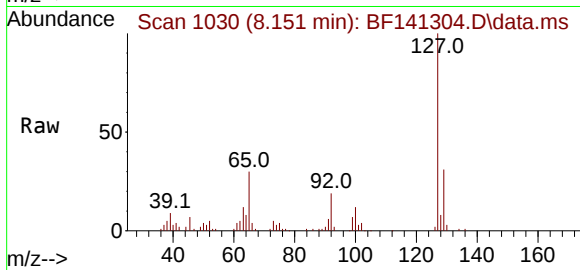




#33
4-Chloroaniline
Concen: 5.810 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

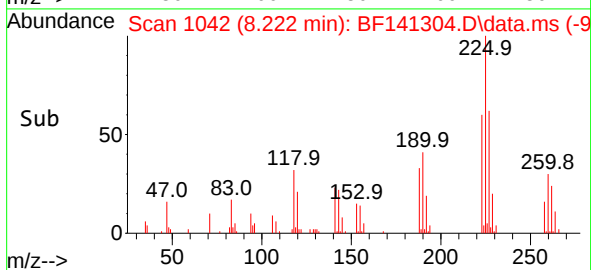
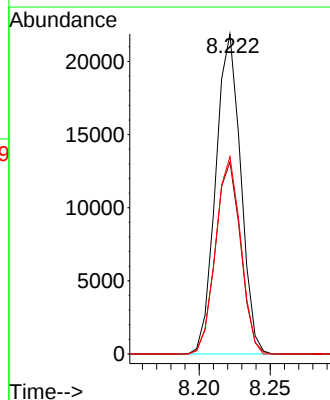
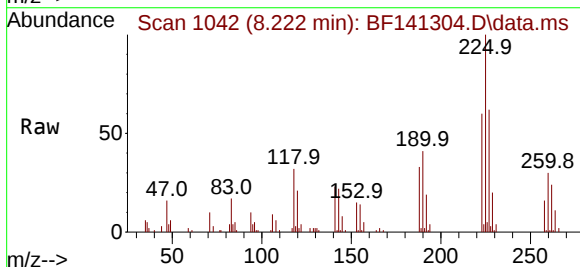
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025

Tgt Ion:127	Resp:	57309
Ion	Ratio	Lower Upper
127	100	
129	31.4	25.7 38.5
65	30.1	26.4 39.6
92	18.7	15.1 22.7



#34
Hexachlorobutadiene
Concen: 5.018 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:225	Resp:	26728
Ion	Ratio	Lower Upper
225	100	
223	60.0	50.4 75.6
227	61.6	51.3 76.9

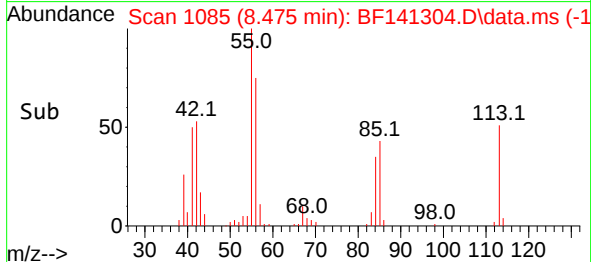
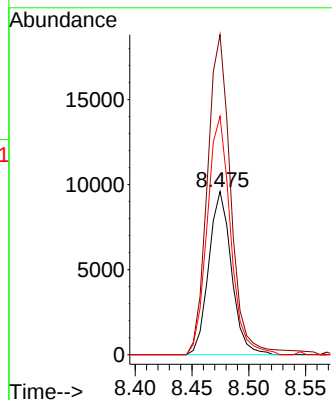
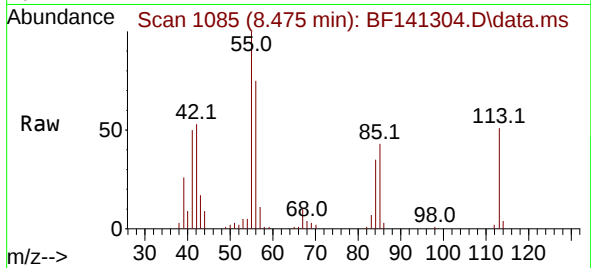




#35
 Caprolactam
 Concen: 5.133 ng
 RT: 8.475 min Scan# 1108
 Delta R.T. -0.071 min
 Lab File: BF141304.D
 Acq: 30 Jan 2025 10:23

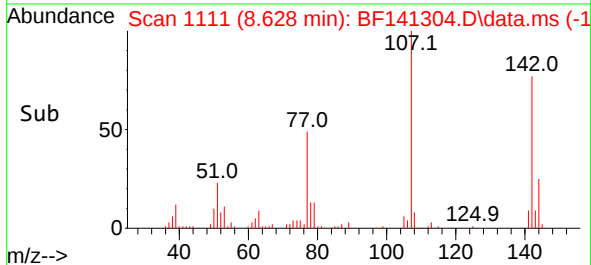
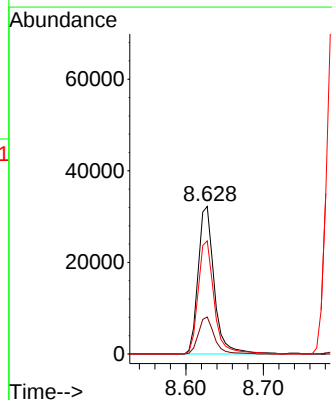
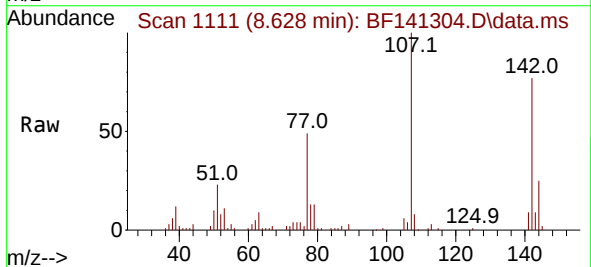
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

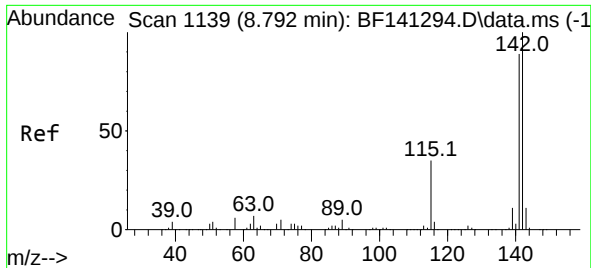
Tgt Ion:113 Resp: 13334
 Ion Ratio Lower Upper
 113 100
 55 196.0 182.9 222.9
 56 146.0 127.9 167.9



#36
 4-Chloro-3-methylphenol
 Concen: 5.450 ng
 RT: 8.628 min Scan# 1111
 Delta R.T. -0.012 min
 Lab File: BF141304.D
 Acq: 30 Jan 2025 10:23

Tgt Ion:107 Resp: 46494
 Ion Ratio Lower Upper
 107 100
 144 25.0 20.7 31.1
 142 76.7 63.8 95.8

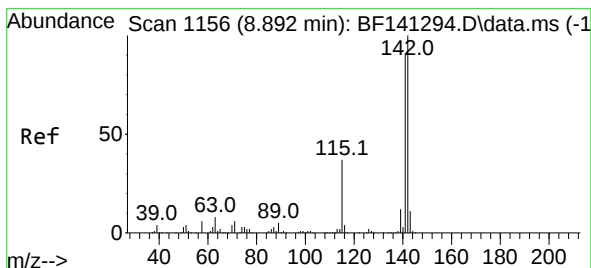
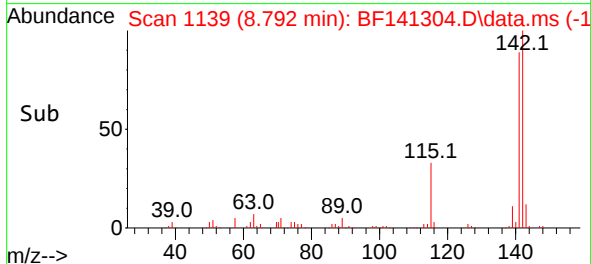
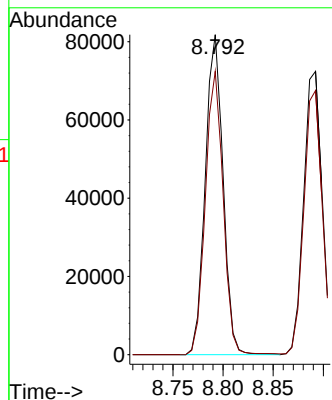
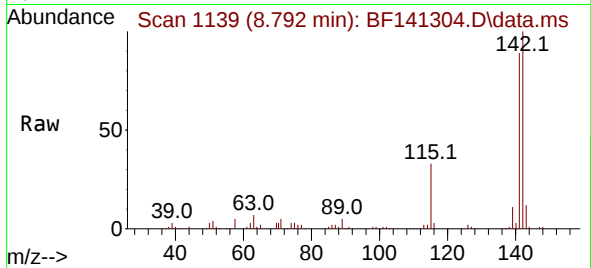




#37
2-Methylnaphthalene
Concen: 5.467 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

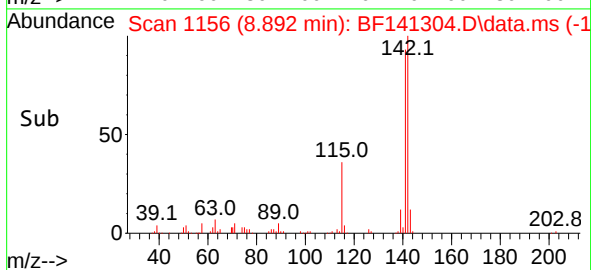
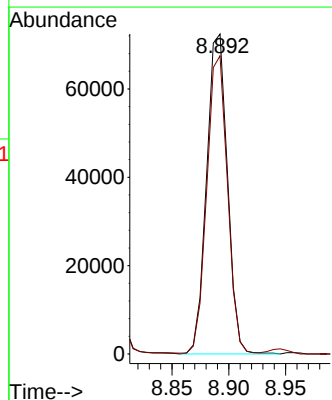
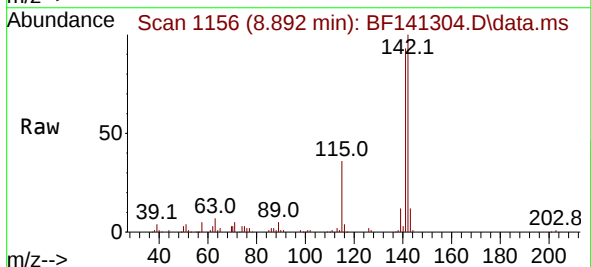
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2025

Tgt Ion:142 Resp: 101066
Ion Ratio Lower Upper
142 100
141 88.5 71.3 106.9



#38
1-Methylnaphthalene
Concen: 5.085 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:142 Resp: 92339
Ion Ratio Lower Upper
142 100
141 93.2 73.2 109.8

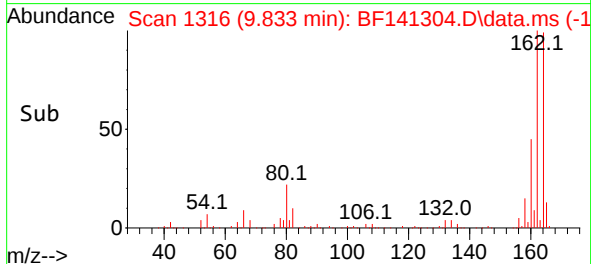
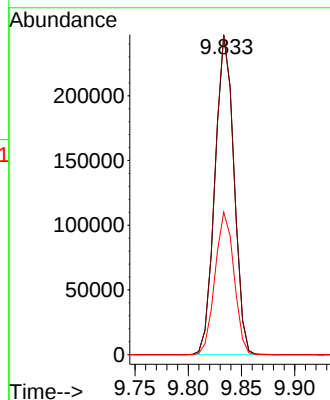
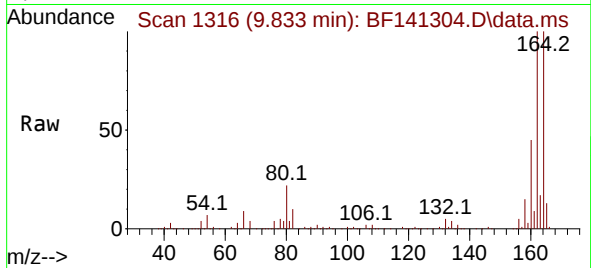




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

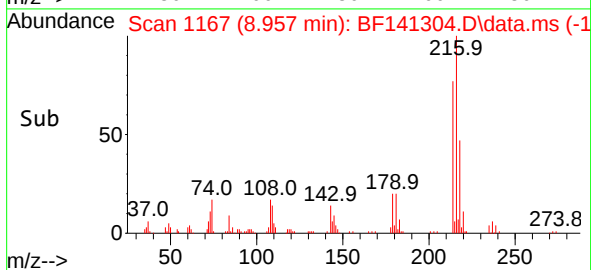
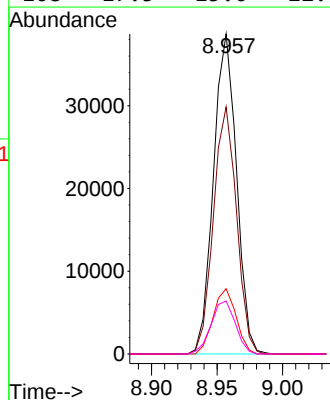
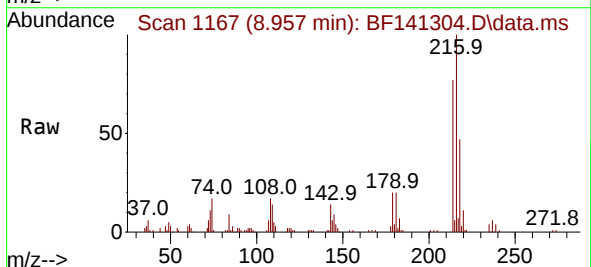
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:164 Resp: 304536
Ion Ratio Lower Upper
164 100
162 100.1 80.6 121.0
160 44.6 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.457 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:216 Resp: 47282
Ion Ratio Lower Upper
216 100
214 77.3 63.2 94.8
179 20.3 17.8 26.8
108 17.5 15.0 22.6

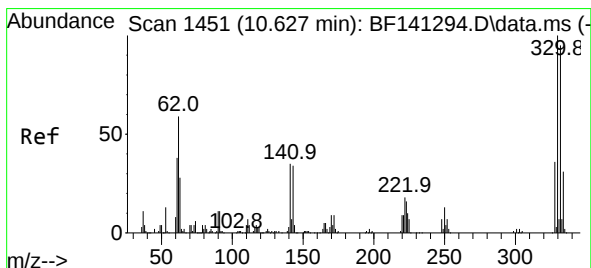
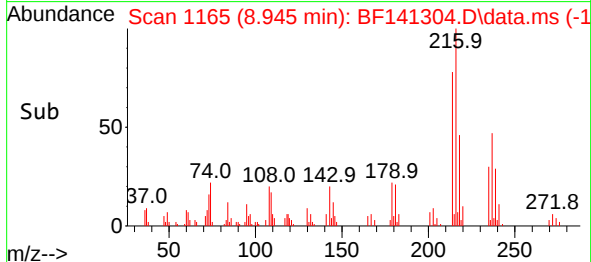
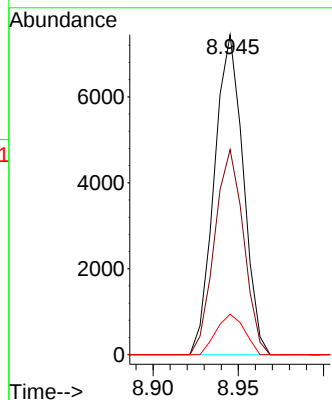
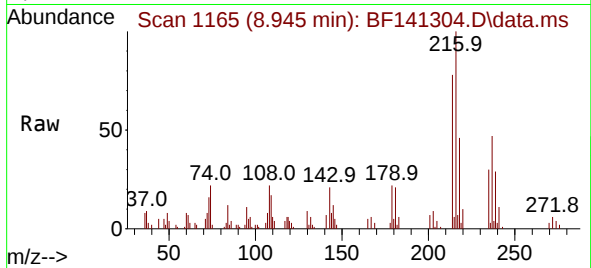




#41
Hexachlorocyclopentadiene
Concen: 3.430 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

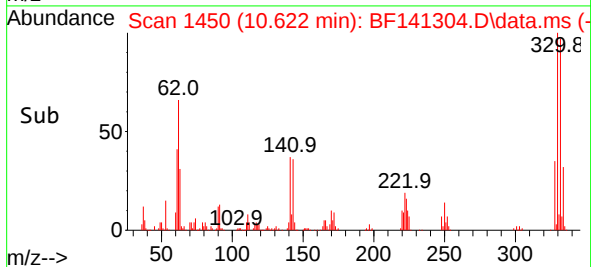
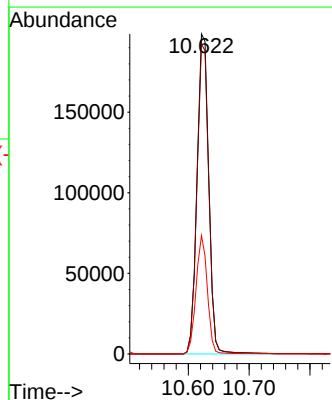
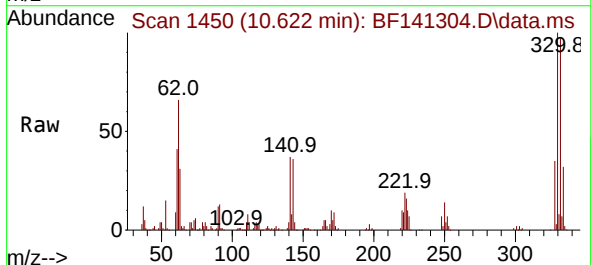
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion:237	Resp:	8775
Ion Ratio	Lower	Upper
237	100	
235	64.1	42.9 82.9
272	12.7	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 95.783 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:330	Resp:	267415
Ion Ratio	Lower	Upper
330	100	
332	97.5	76.1 114.1
141	35.4	28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 4.902 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

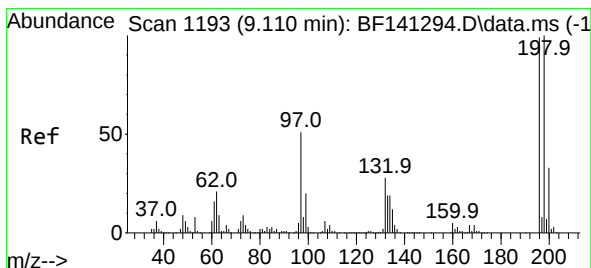
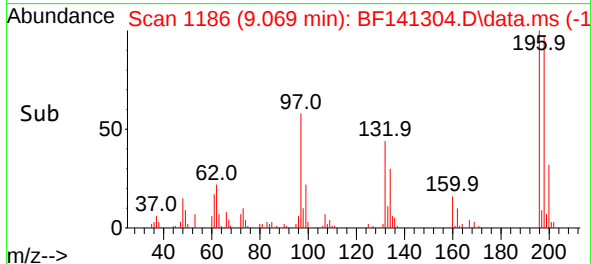
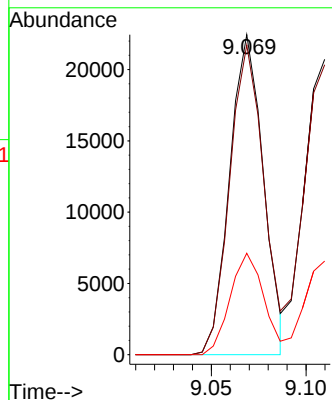
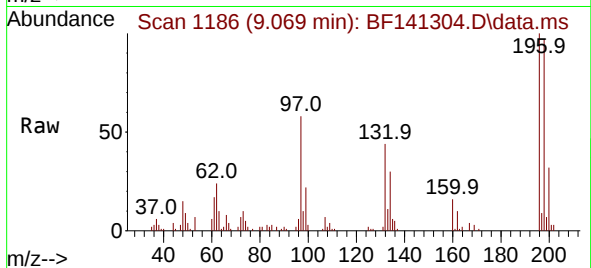
Tgt Ion:196 Resp: 27798

Ion Ratio Lower Upper

196 100

198 96.8 81.8 122.6

200 31.7 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 4.920 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:196 Resp: 30364

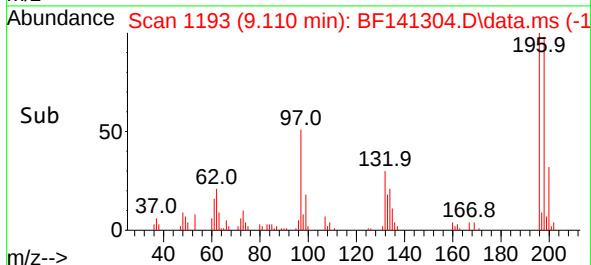
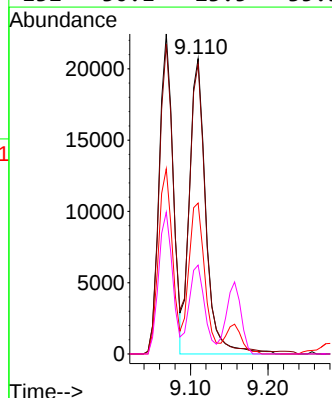
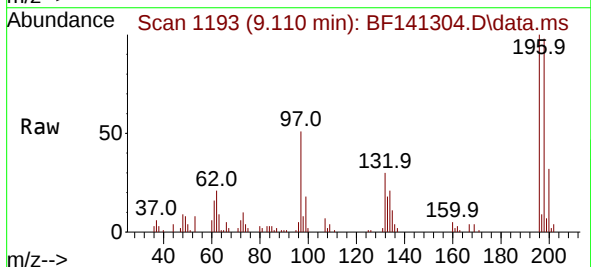
Ion Ratio Lower Upper

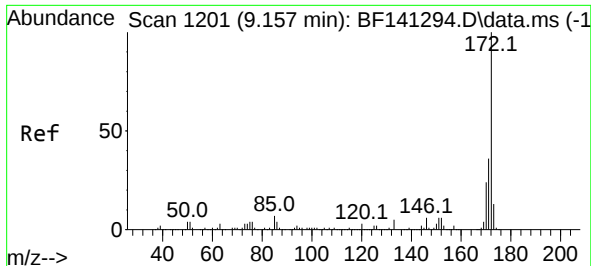
196 100

198 98.1 80.5 120.7

97 51.1 42.8 64.2

132 30.1 23.5 35.3

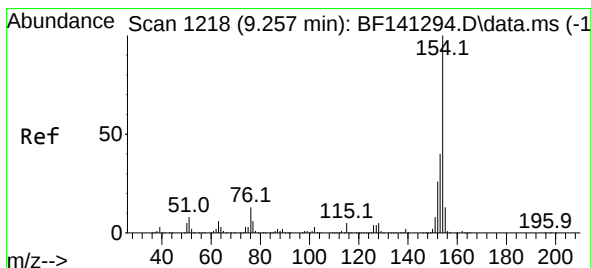
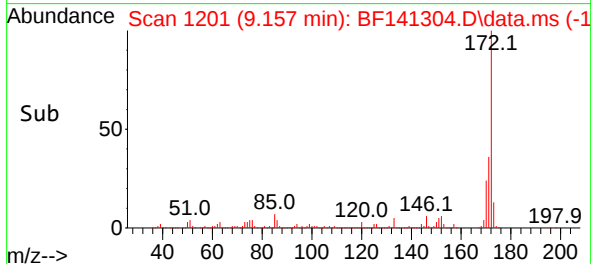
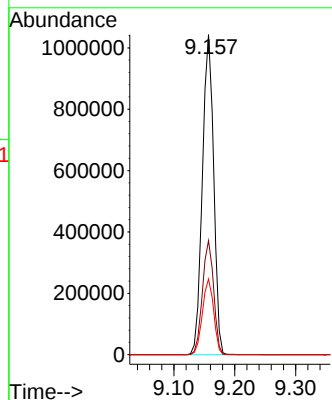
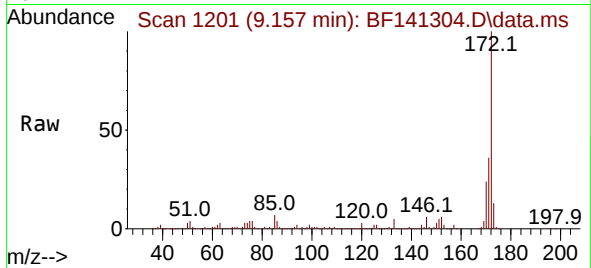




#45
2-Fluorobiphenyl
Concen: 67.731 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

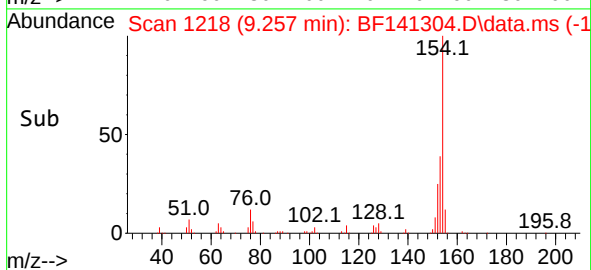
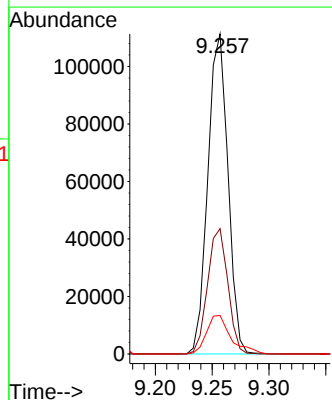
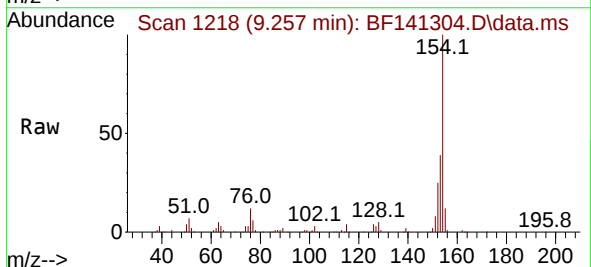
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

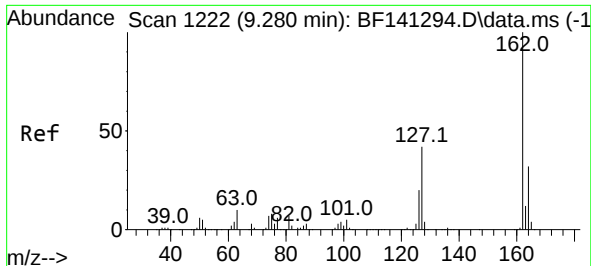
Tgt Ion:172 Resp: 1340092
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.7 19.0 28.6



#46
1,1'-Biphenyl
Concen: 5.768 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:154 Resp: 136999
Ion Ratio Lower Upper
154 100
153 39.1 20.0 60.0
76 12.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 5.162 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

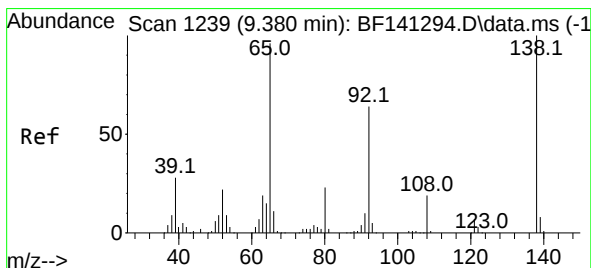
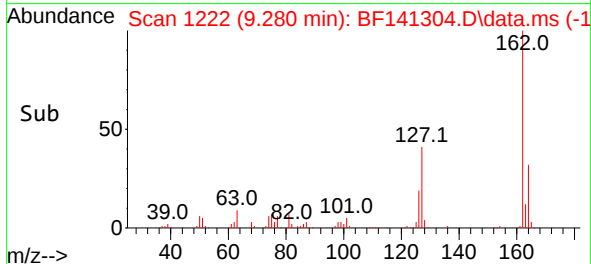
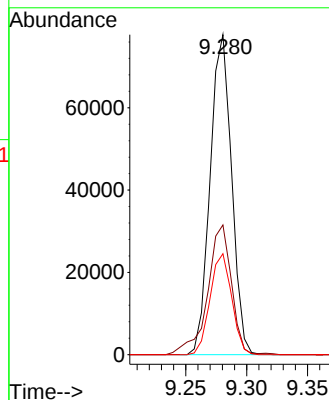
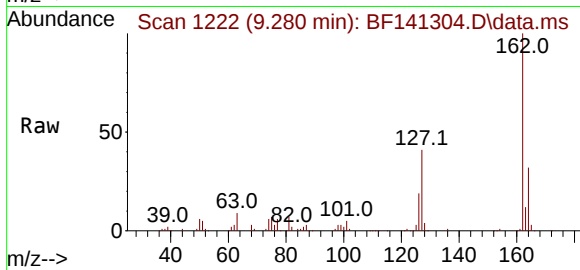
Tgt Ion:162 Resp: 95551

Ion Ratio Lower Upper

162 100

127 40.5 33.7 50.5

164 31.6 25.9 38.9



#48

2-Nitroaniline

Concen: 4.836 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

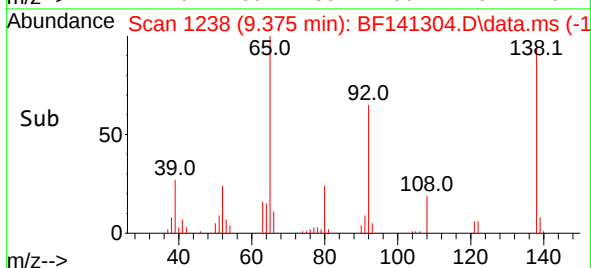
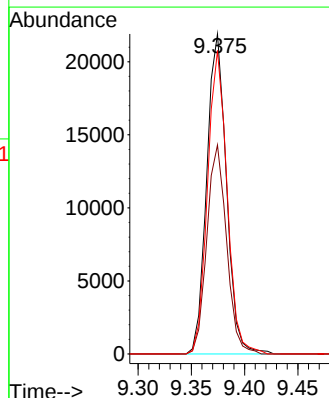
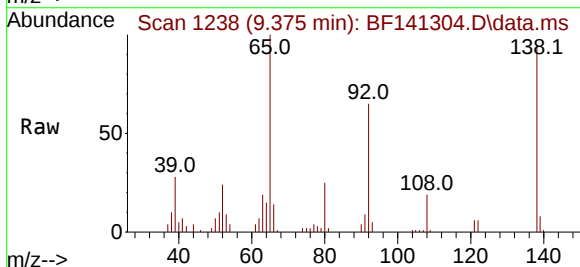
Tgt Ion: 65 Resp: 28156

Ion Ratio Lower Upper

65 100

92 65.3 53.3 79.9

138 94.8 83.6 125.4





#49

Acenaphthylene

Concen: 5.605 ng

RT: 9.692 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

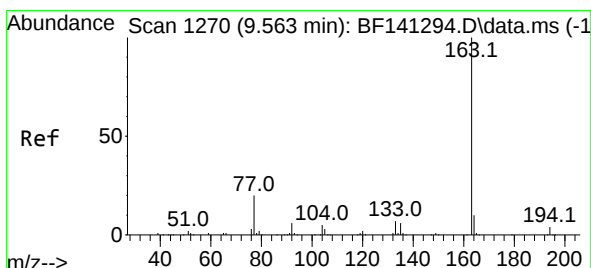
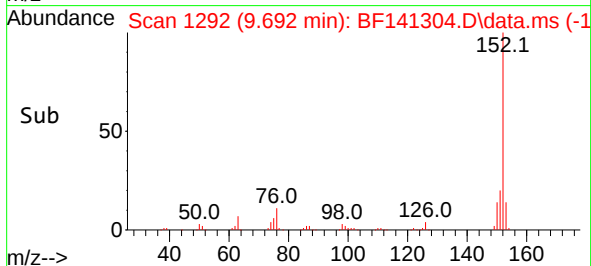
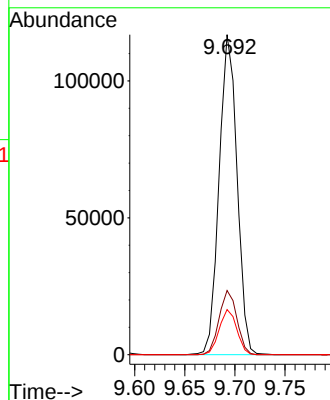
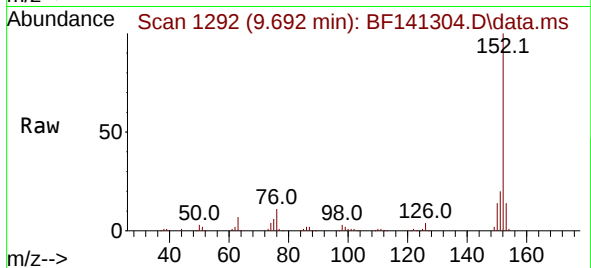
Tgt Ion:152 Resp: 145247

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 14.1 11.0 16.6



#50

Dimethylphthalate

Concen: 5.344 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

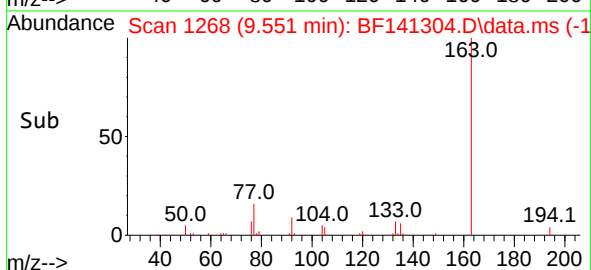
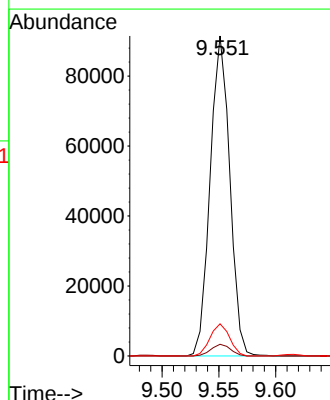
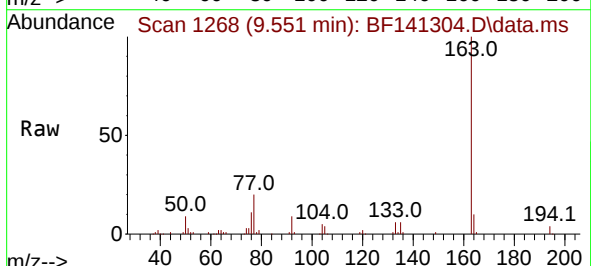
Tgt Ion:163 Resp: 109916

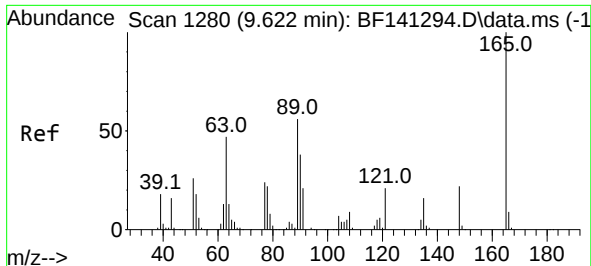
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.0 8.0 12.0

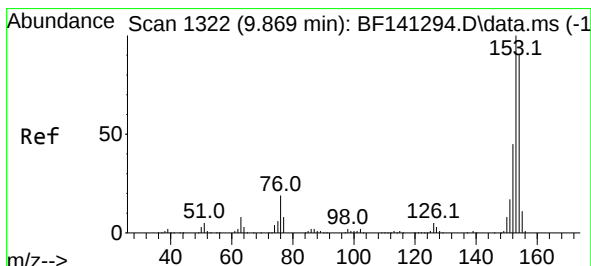
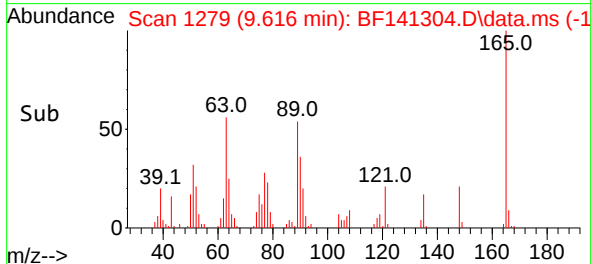
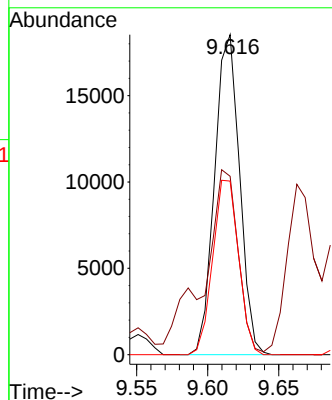
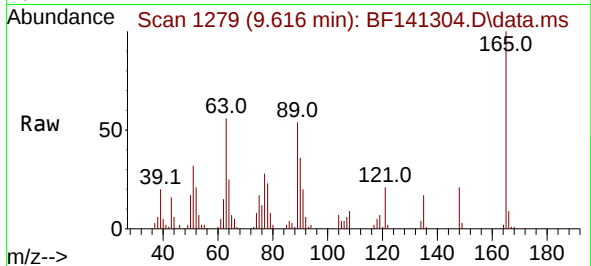




#51
2,6-Dinitrotoluene
Concen: 4.748 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

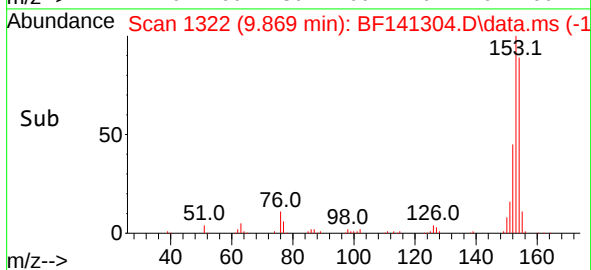
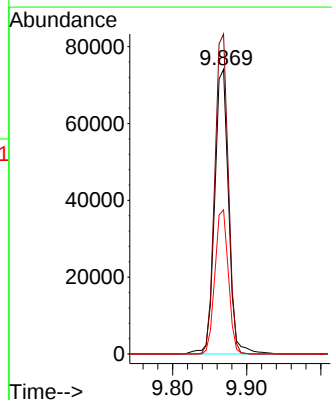
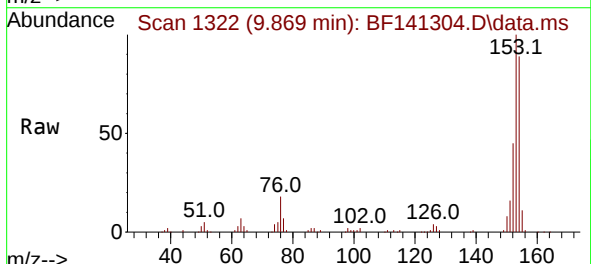
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

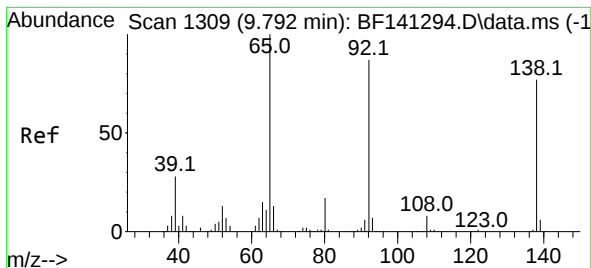
Tgt Ion:165 Resp: 22676
Ion Ratio Lower Upper
165 100
63 55.8 48.1 72.1
89 54.3 44.9 67.3



#52
Acenaphthene
Concen: 5.243 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:154 Resp: 97056
Ion Ratio Lower Upper
154 100
153 112.4 89.0 133.4
152 50.6 40.2 60.4





#53

3-Nitroaniline

Concen: 4.962 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

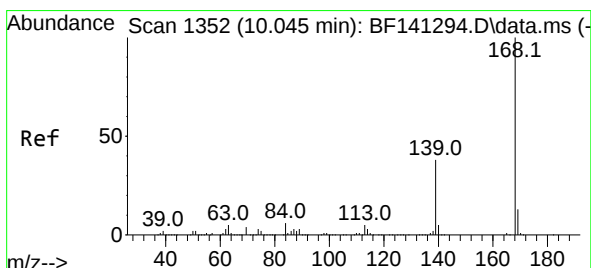
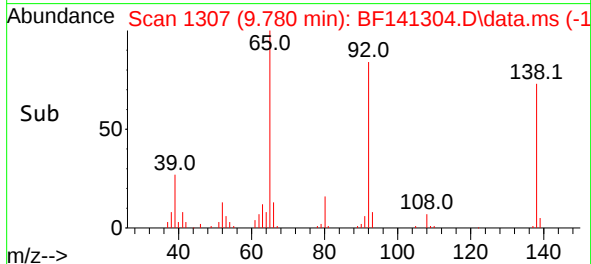
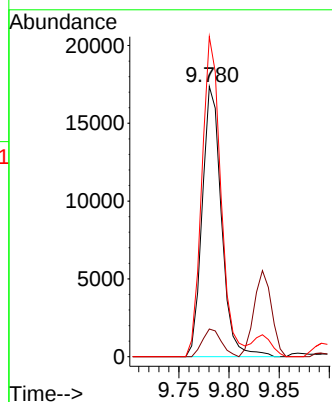
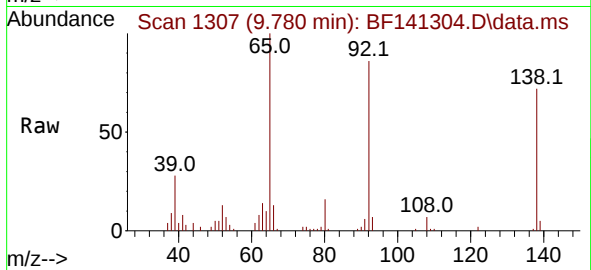
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:138	Resp:	23226
Ion	Ratio	Lower Upper
138	100	
108	10.2	8.6 12.8
92	118.4	91.0 136.6



#55

Dibenzofuran

Concen: 5.571 ng

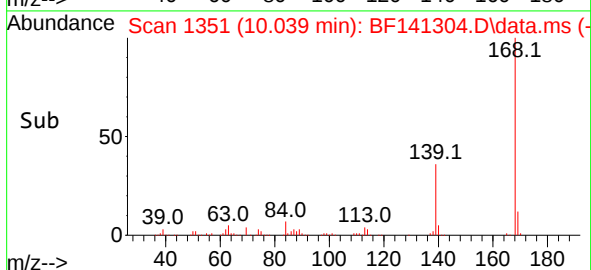
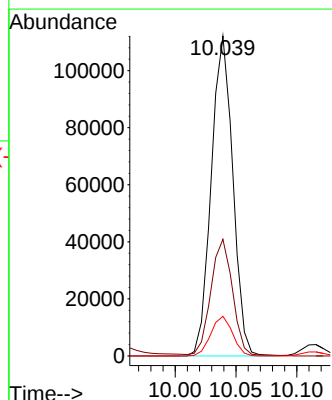
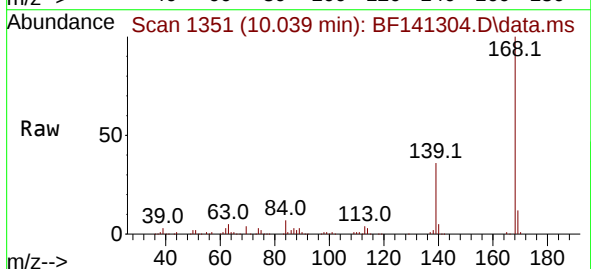
RT: 10.039 min Scan# 1351

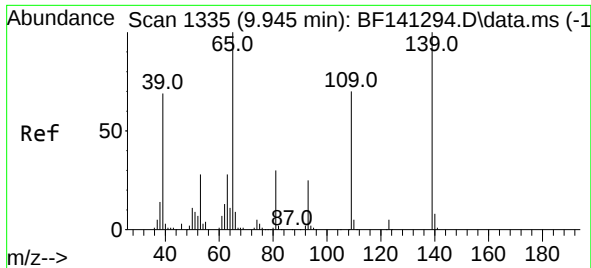
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:168	Resp:	138040
Ion	Ratio	Lower Upper
168	100	
139	36.5	30.6 46.0
169	12.4	10.8 16.2

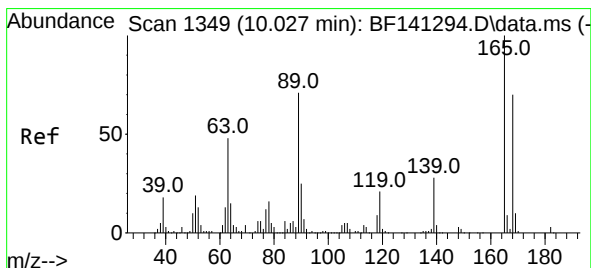
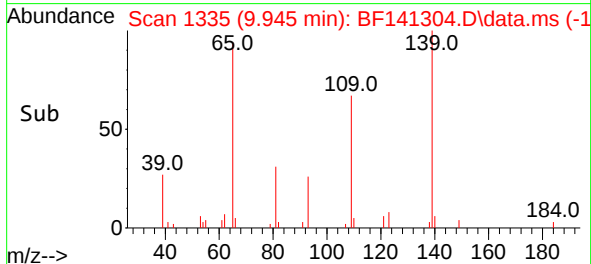
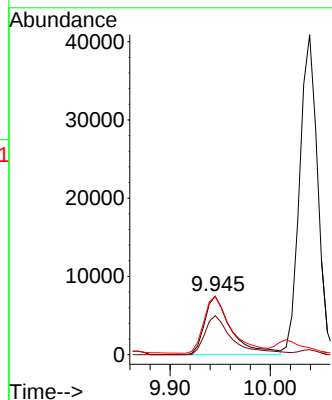
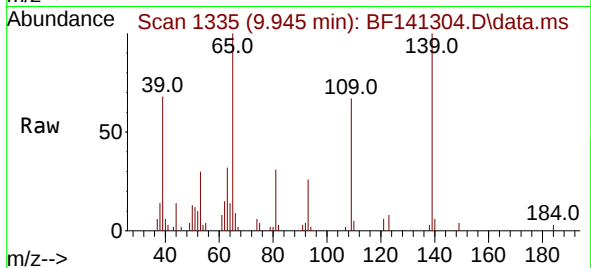




#56
4-Nitrophenol
Concen: 4.059 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

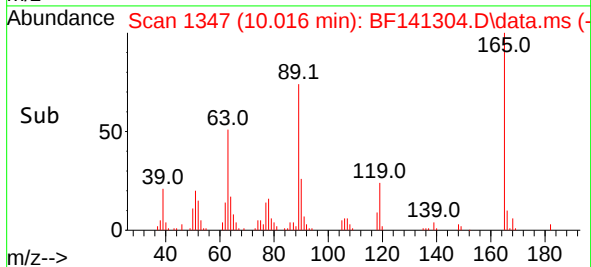
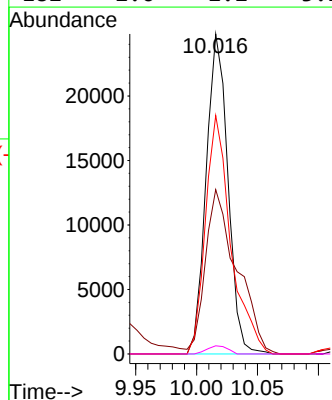
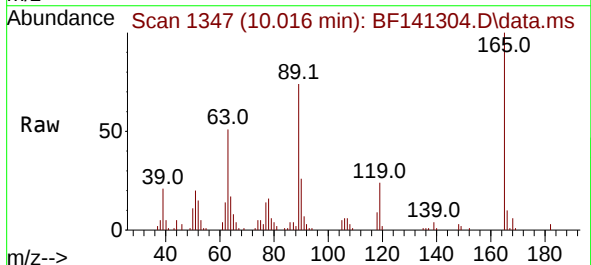
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

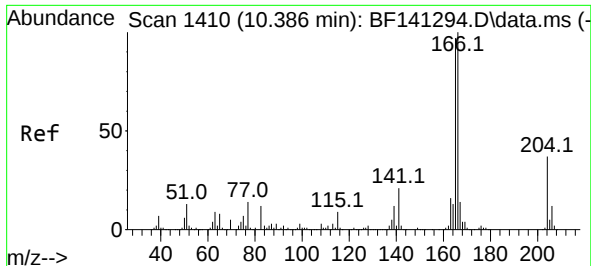
Tgt Ion:139	Resp:	13893
Ion	Ratio	Lower Upper
139	100	
109	66.8	50.2 90.2
65	99.5	80.6 120.6



#57
2,4-Dinitrotoluene
Concen: 4.974 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:165	Resp:	30753
Ion	Ratio	Lower Upper
165	100	
63	51.4	39.2 58.8
89	74.5	56.9 85.3
182	2.6	2.2 3.2

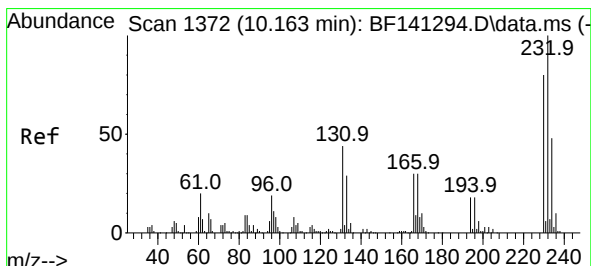
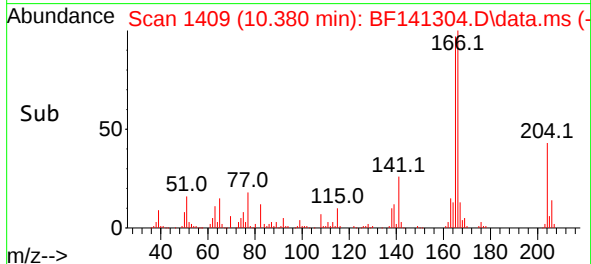
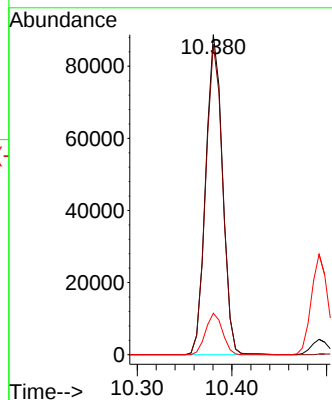
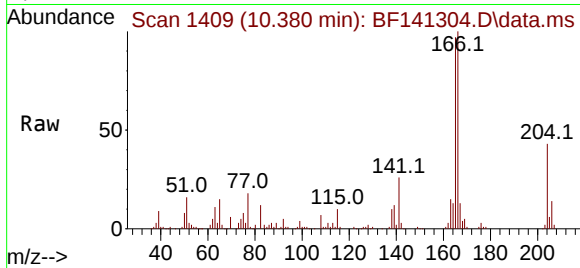




#58
Fluorene
Concen: 5.653 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

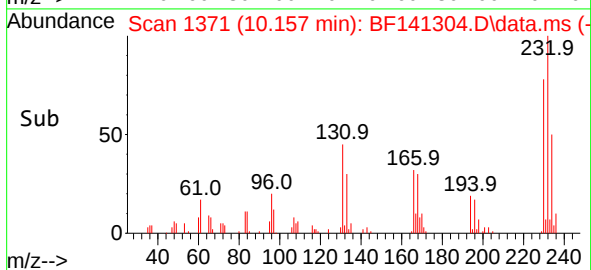
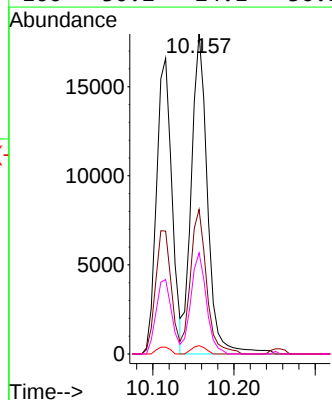
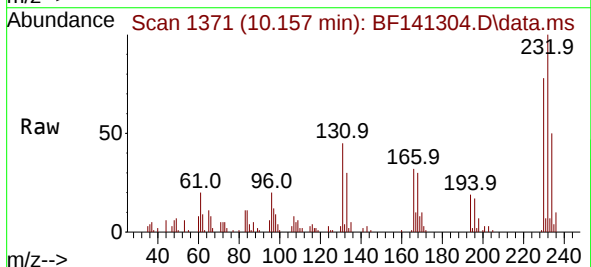
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

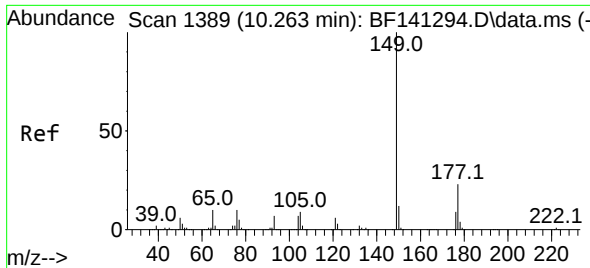
Tgt Ion:166 Resp: 108665
Ion Ratio Lower Upper
166 100
165 97.1 77.5 116.3
167 12.9 10.9 16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 5.125 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:232 Resp: 24885
Ion Ratio Lower Upper
232 100
131 44.8 36.4 54.6
130 2.2 1.9 2.9
166 30.2 24.1 36.1

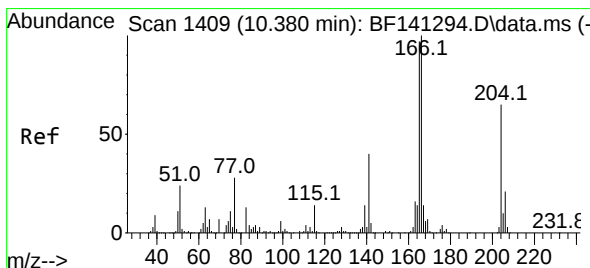
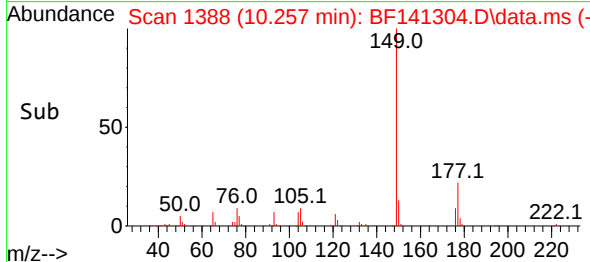
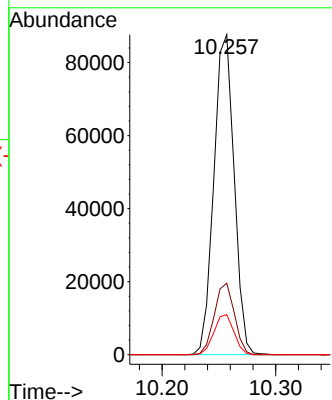
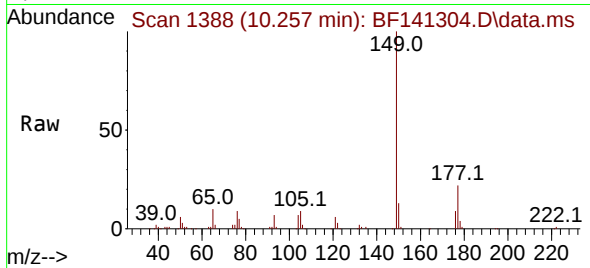




#60
Diethylphthalate
Concen: 5.459 ng
RT: 10.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

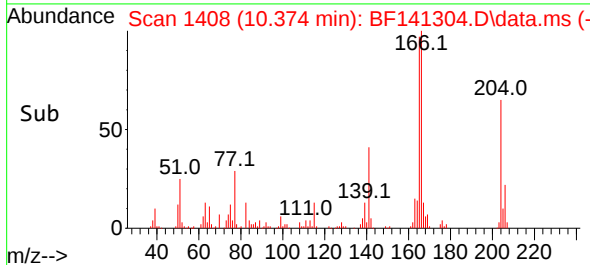
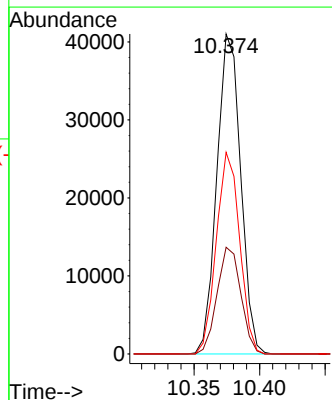
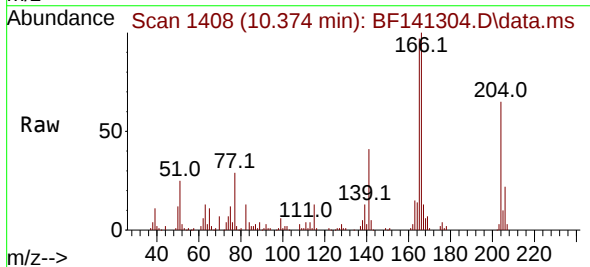
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

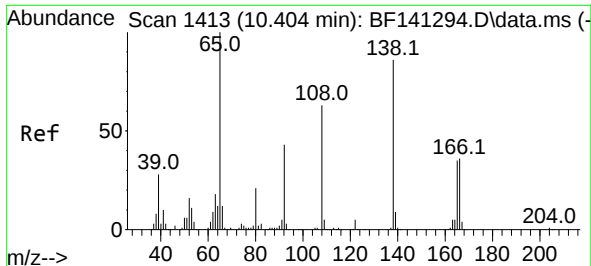
Tgt Ion:149 Resp: 108863
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 5.512 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:204 Resp: 51757
Ion Ratio Lower Upper
204 100
206 33.3 25.9 38.9
141 63.0 49.5 74.3

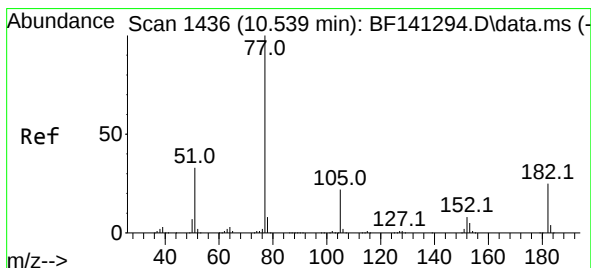
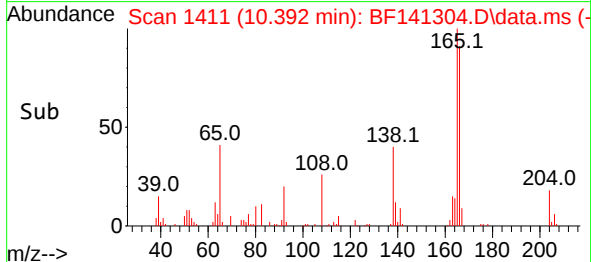
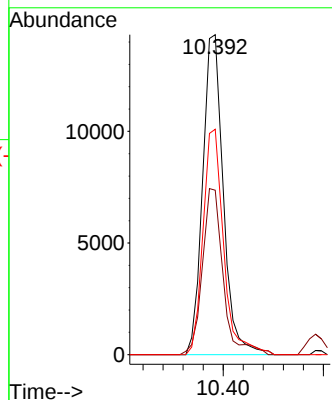
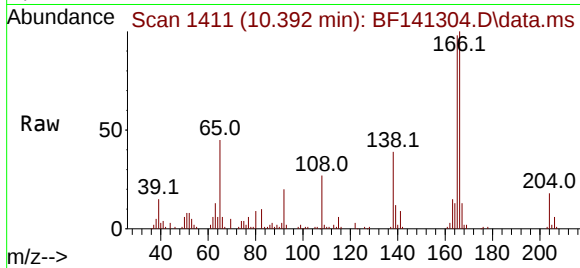




#62
4-Nitroaniline
Concen: 4.466 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.024 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

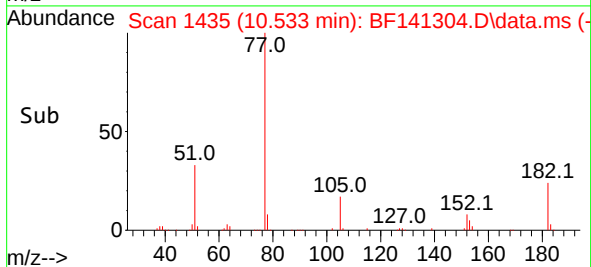
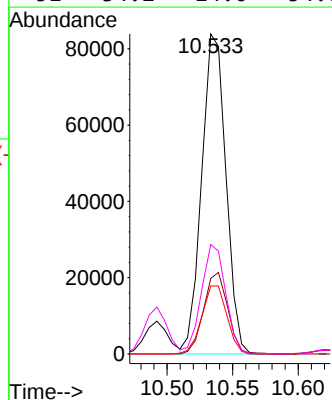
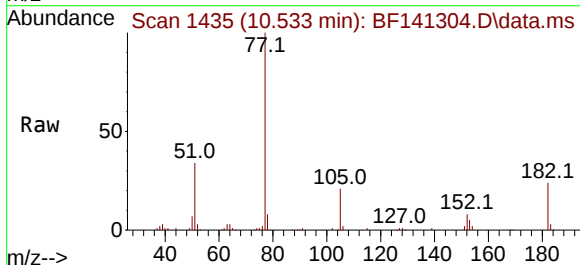
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

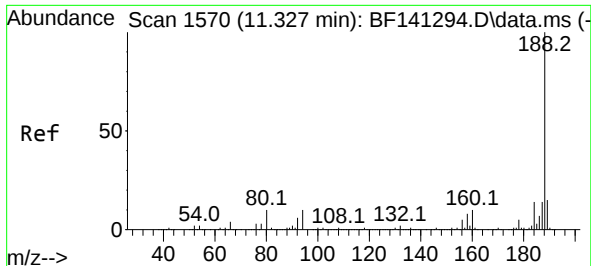
Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.4	30.1	70.1
108	70.4	53.1	93.1



#63
Azobenzene
Concen: 5.421 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.6	5.1	45.1
105	21.3	1.8	41.8
51	34.2	14.0	54.0

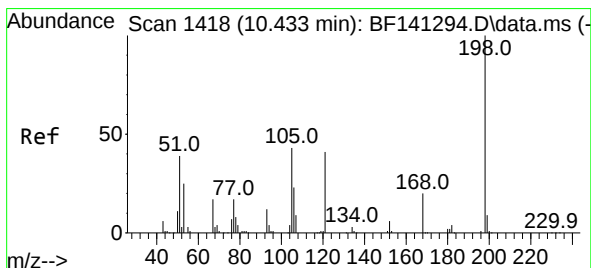
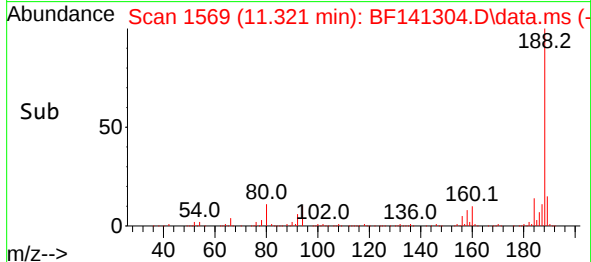
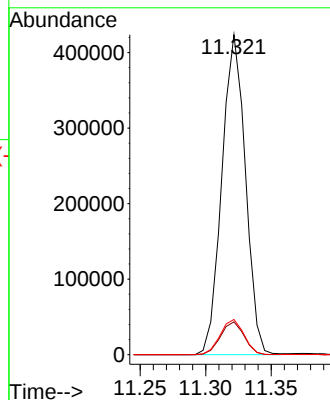
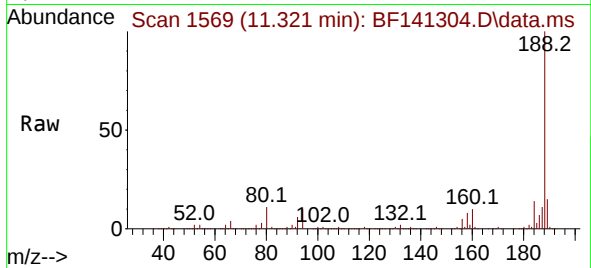




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

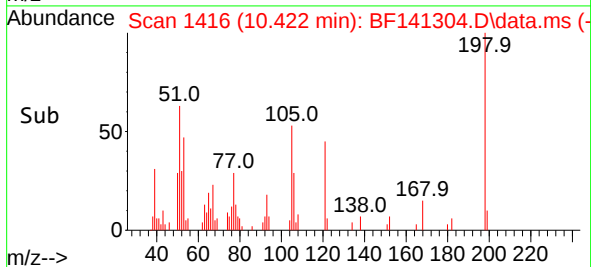
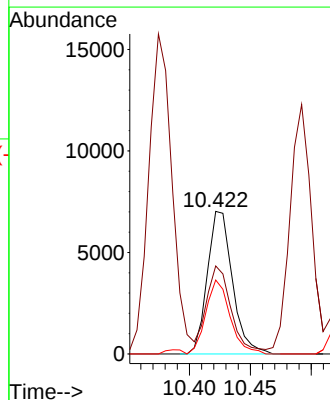
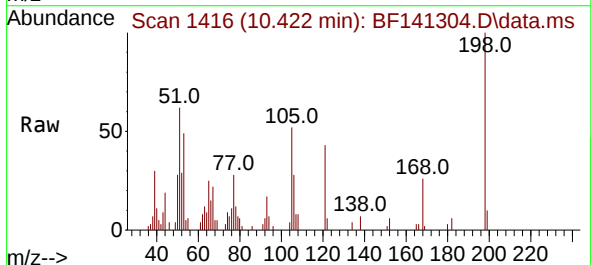
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

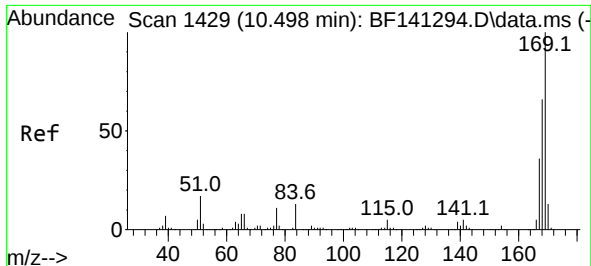
Tgt Ion:188 Resp: 529687
Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 11.0 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 3.222 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:198 Resp: 10094
Ion Ratio Lower Upper
198 100
51 61.7 33.4 73.4
105 51.8 24.4 64.4

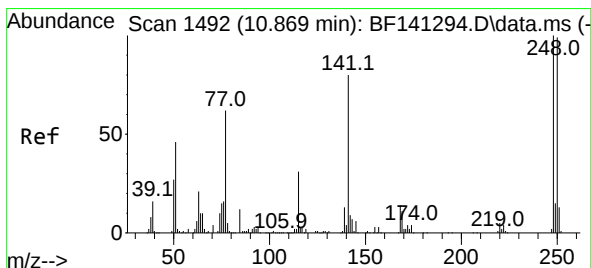
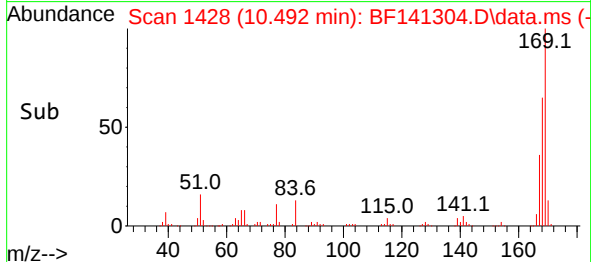
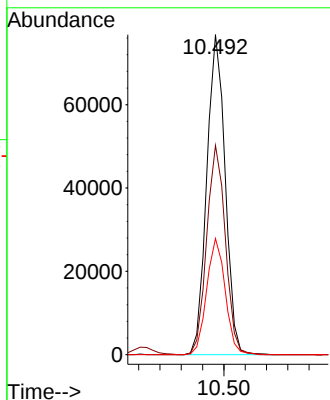
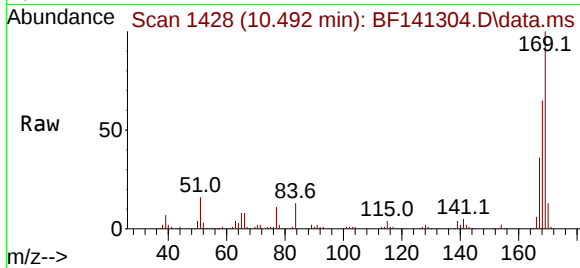




#66
n-Nitrosodiphenylamine
Concen: 5.390 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

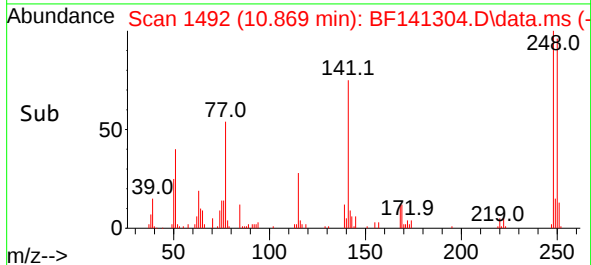
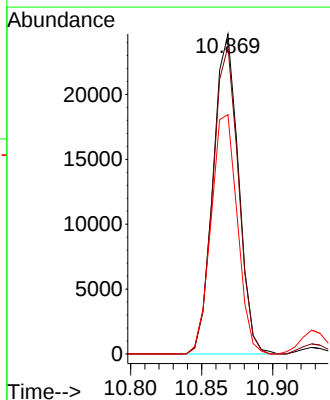
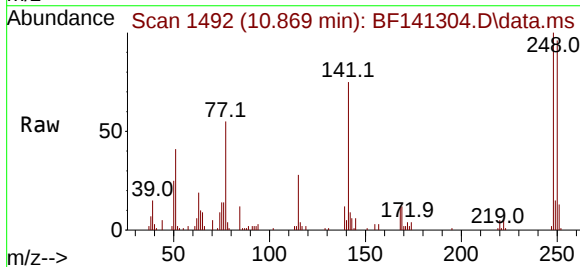
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

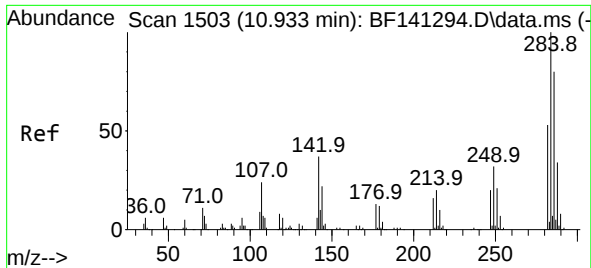
Tgt Ion:169 Resp: 92333
Ion Ratio Lower Upper
169 100
168 65.4 53.0 79.4
167 36.3 28.8 43.2



#67
4-Bromophenyl-phenylether
Concen: 5.166 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:248 Resp: 30636
Ion Ratio Lower Upper
248 100
250 96.1 79.0 118.4
141 74.8 63.7 95.5

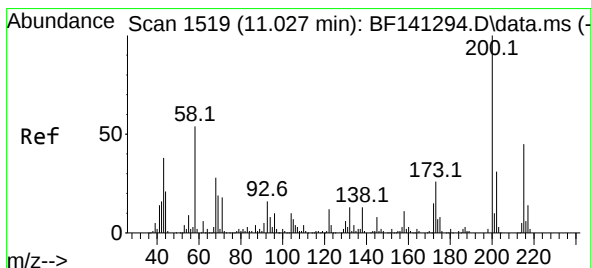
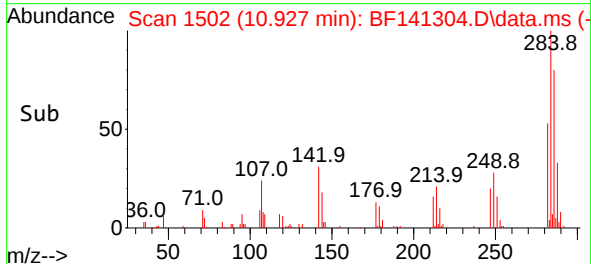
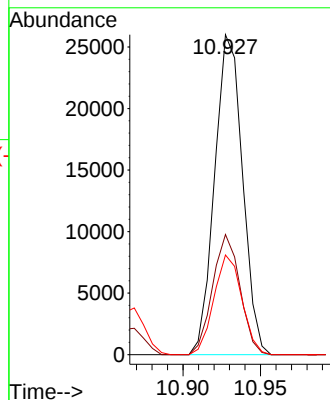
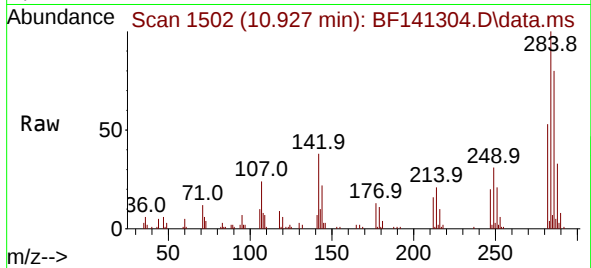




#68
Hexachlorobenzene
Concen: 5.166 ng
RT: 10.927 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

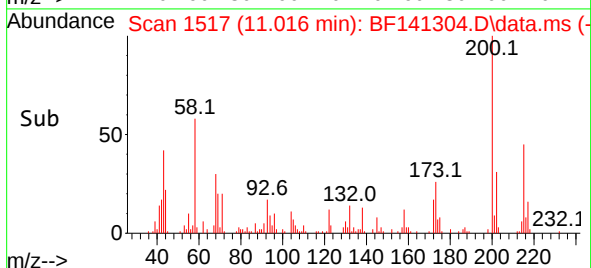
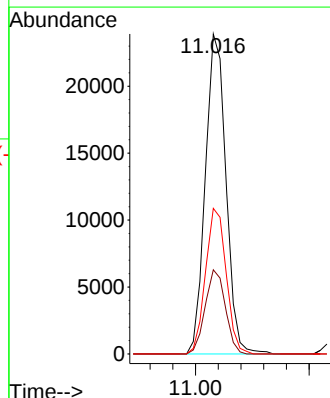
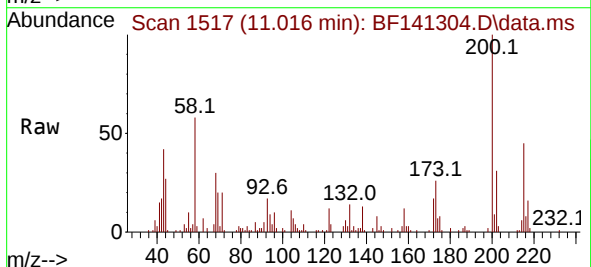
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

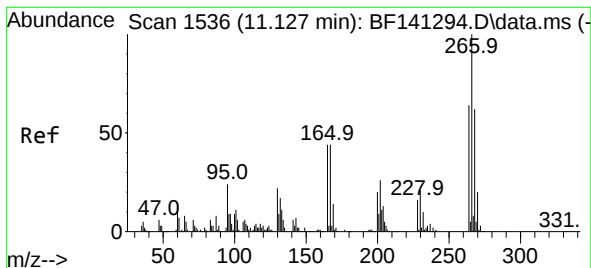
Tgt Ion:284 Resp: 32493
Ion Ratio Lower Upper
284 100
142 37.6 29.5 44.3
249 31.2 25.4 38.2



#69
Atrazine
Concen: 5.245 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.018 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:200 Resp: 30043
Ion Ratio Lower Upper
200 100
173 26.3 5.9 45.9
215 45.5 25.2 65.2





#70

Pentachlorophenol

Concen: 3.798 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

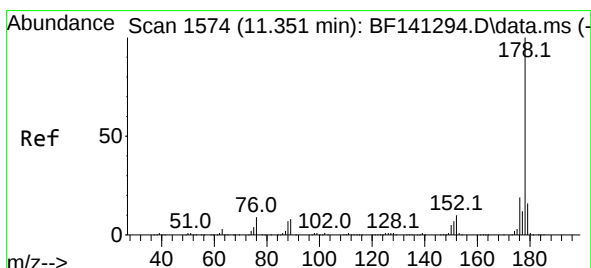
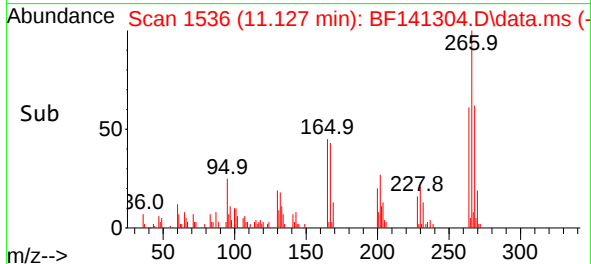
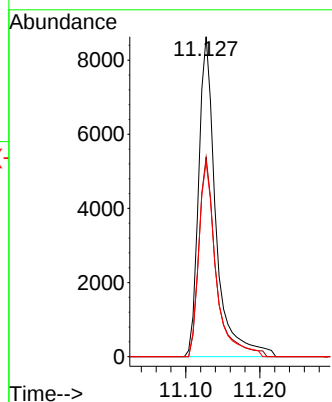
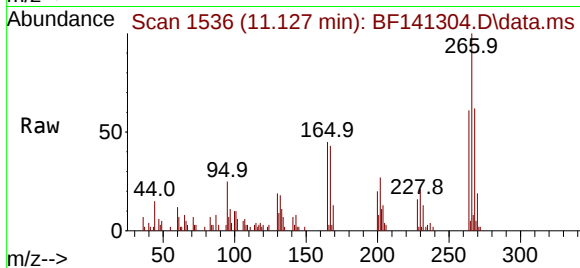
Tgt Ion:266 Resp: 13991

Ion Ratio Lower Upper

266 100

268 62.3 49.9 74.9

264 60.8 51.0 76.4



#71

Phenanthrene

Concen: 5.620 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

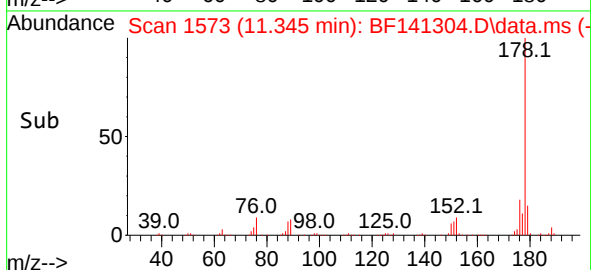
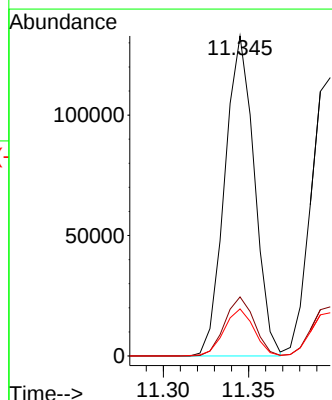
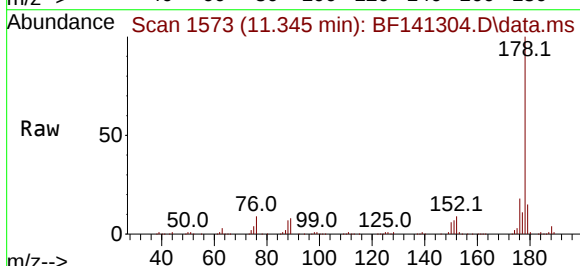
Tgt Ion:178 Resp: 160017

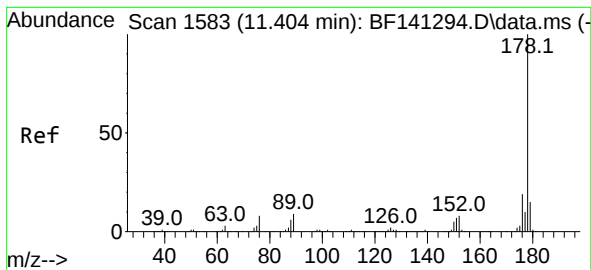
Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

179 14.7 12.5 18.7





#72

Anthracene

Concen: 5.393 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

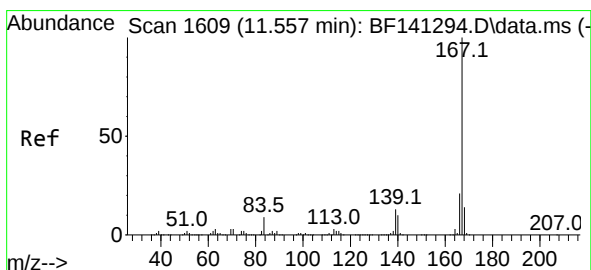
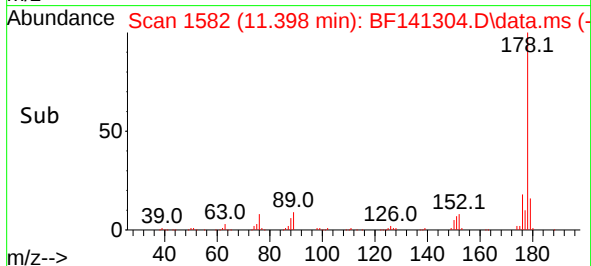
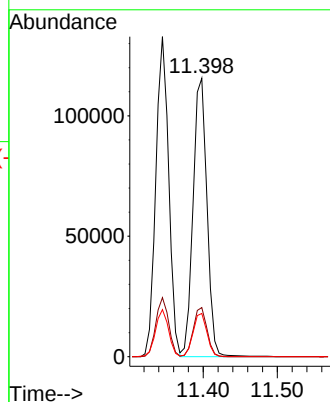
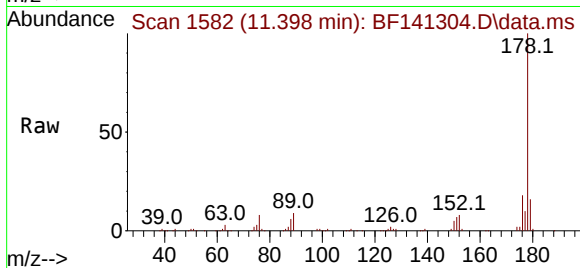
Tgt Ion:178 Resp: 150462

Ion Ratio Lower Upper

178 100

176 17.7 15.0 22.6

179 15.5 12.3 18.5



#73

Carbazole

Concen: 5.220 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

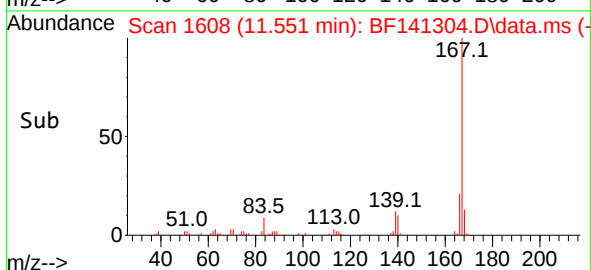
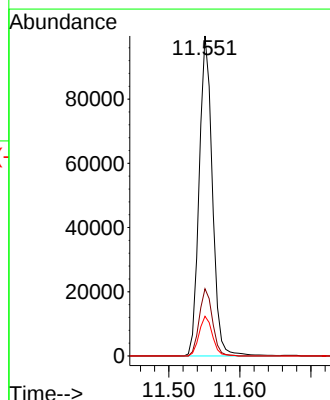
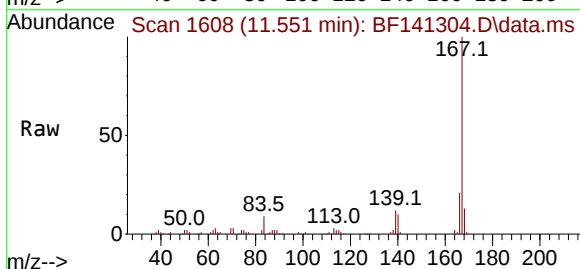
Tgt Ion:167 Resp: 129132

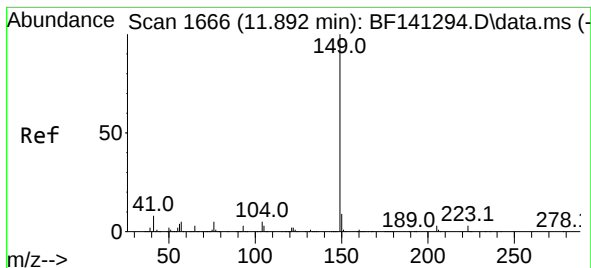
Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

139 12.4 10.6 16.0





#74

Di-n-butylphthalate

Concen: 5.517 ng

RT: 11.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

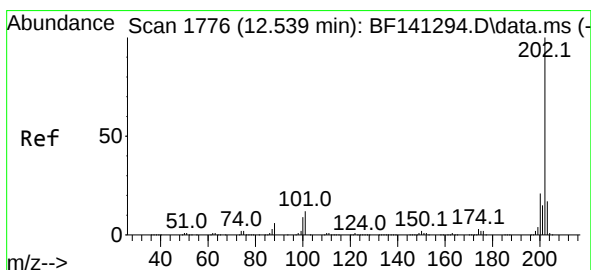
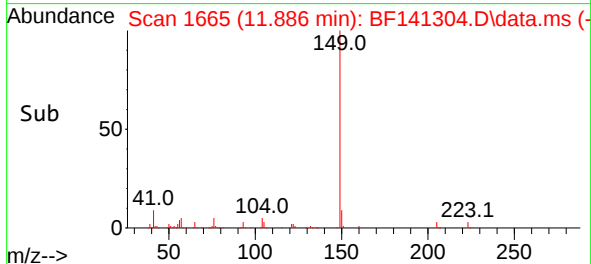
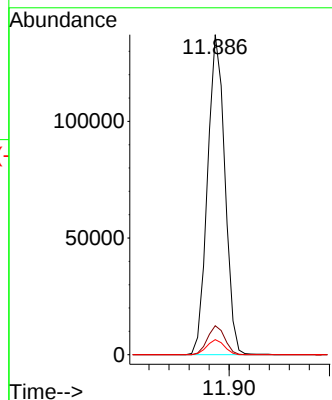
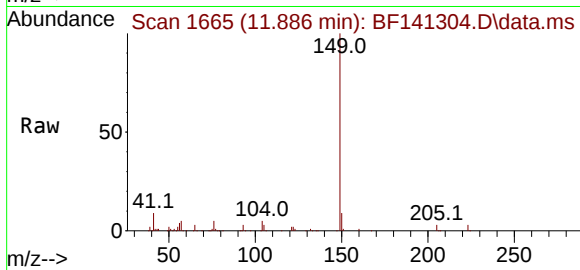
Tgt Ion:149 Resp: 165400

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 4.7 3.9 5.9



#75

Fluoranthene

Concen: 5.523 ng

RT: 12.533 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

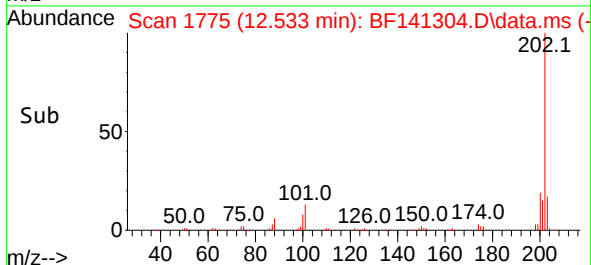
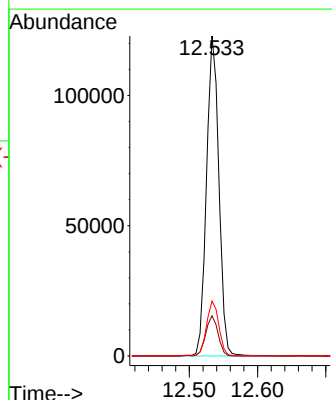
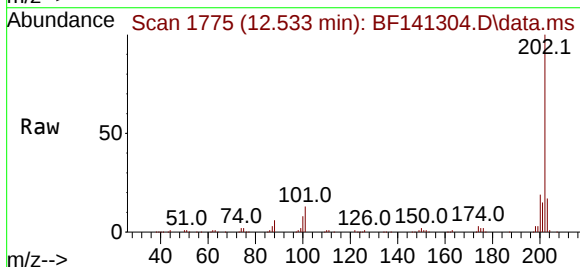
Tgt Ion:202 Resp: 155286

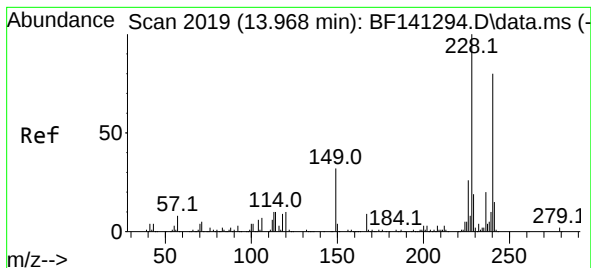
Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.7

203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

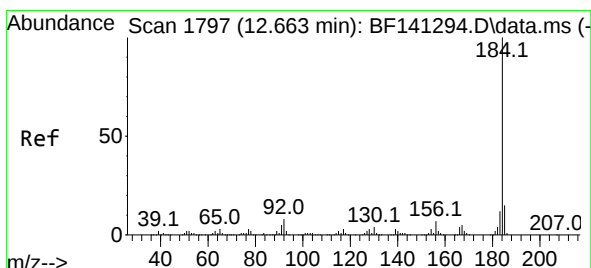
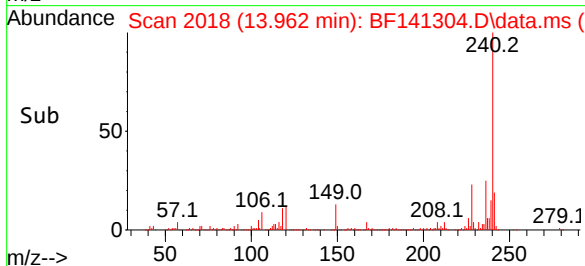
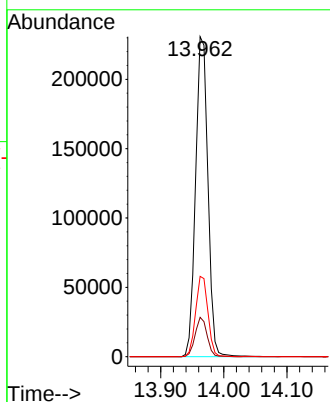
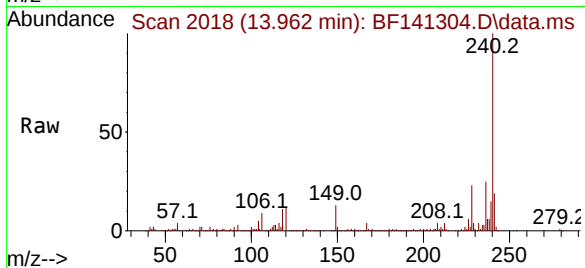
Tgt Ion:240 Resp: 312450

Ion Ratio Lower Upper

240 100

120 12.3 10.0 15.0

236 25.1 19.7 29.5



#77

Benzidine

Concen: 2.810 ng

RT: 12.663 min Scan# 1797

Delta R.T. -0.000 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

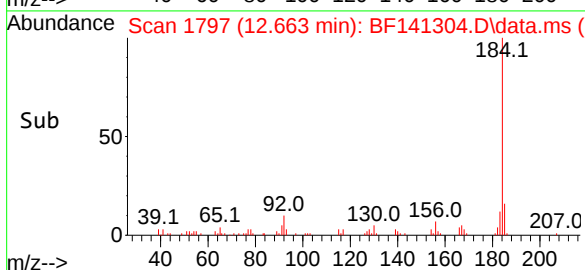
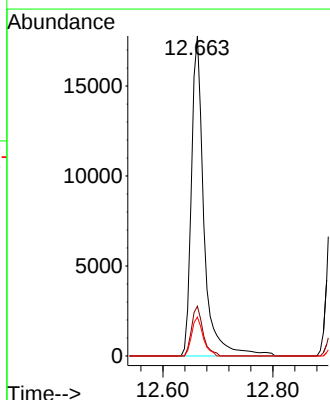
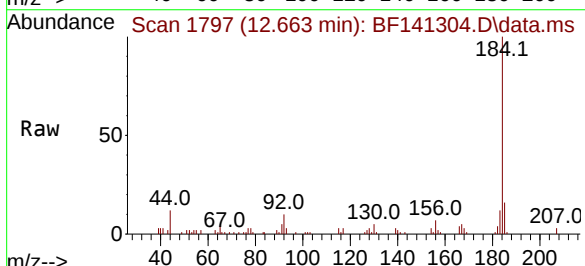
Tgt Ion:184 Resp: 28150

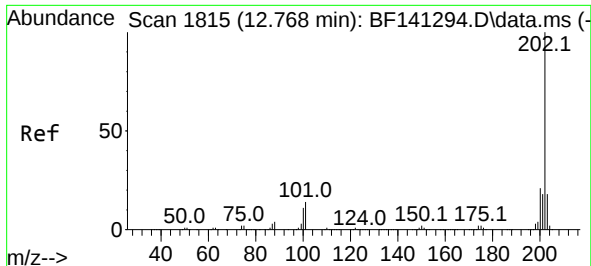
Ion Ratio Lower Upper

184 100

185 15.6 11.9 17.9

183 12.1 9.5 14.3

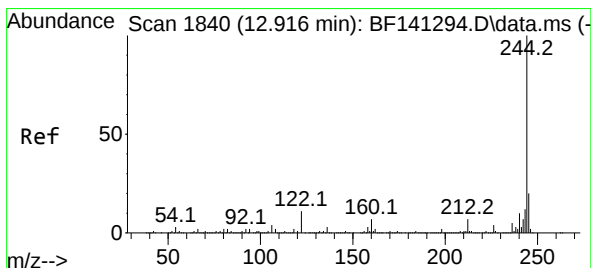
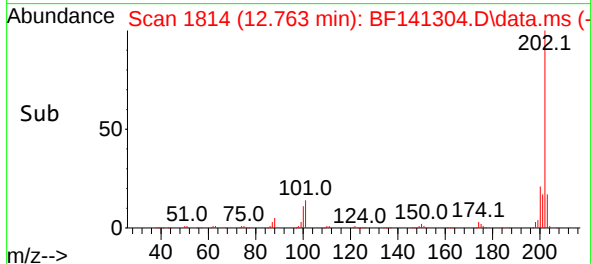
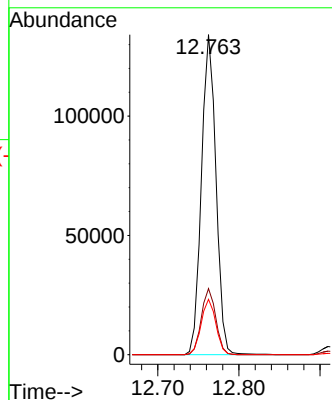
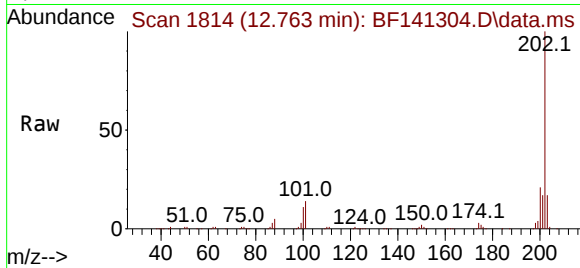




#78
Pyrene
Concen: 5.558 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

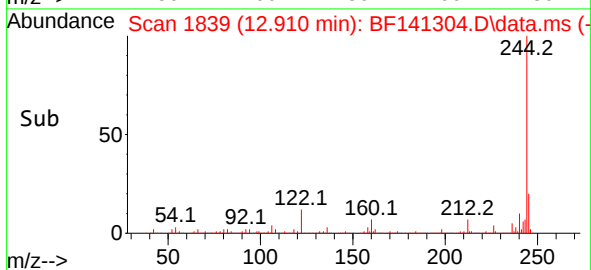
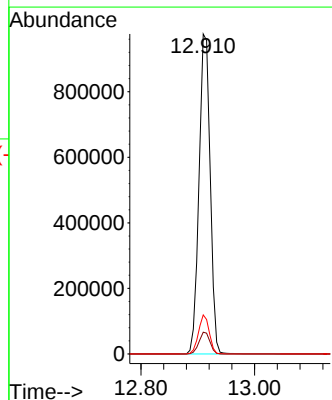
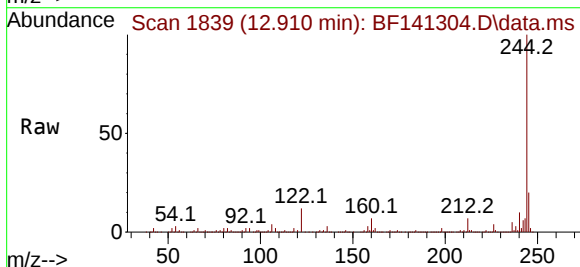
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

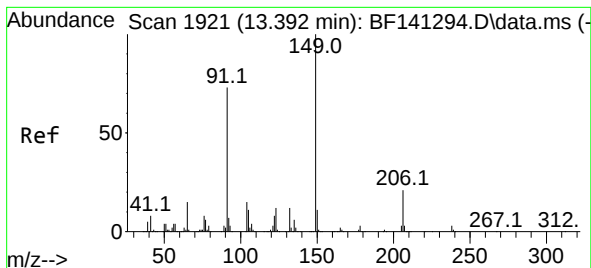
Tgt Ion:202 Resp: 166682
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.3 14.3 21.5



#79
Terphenyl-d14
Concen: 66.045 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:244 Resp: 1338082
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 12.2 8.8 13.2





#80

Butylbenzylphthalate

Concen: 5.027 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

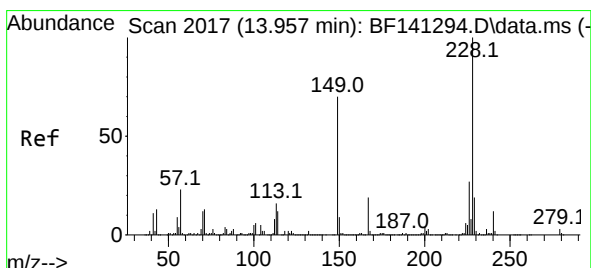
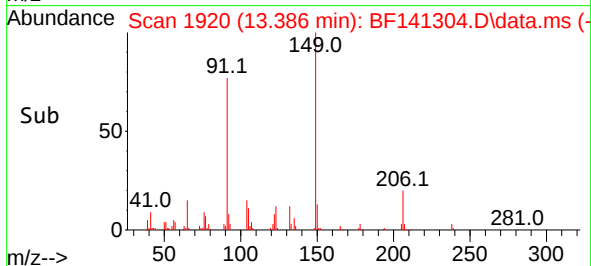
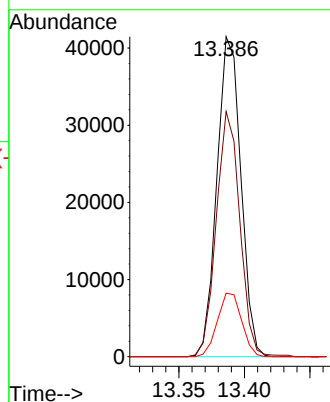
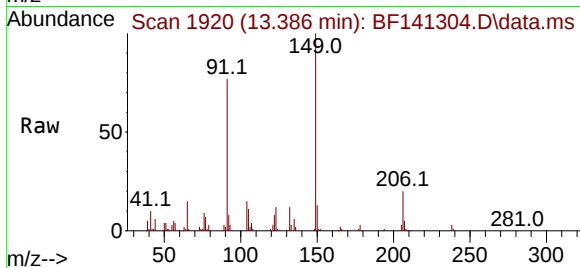
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:	149	Resp:	52670
Ion Ratio	Lower	Upper	
149	100		
91	76.6	58.6	87.8
206	19.9	16.7	25.1



#81

Benzo(a)anthracene

Concen: 5.281 ng

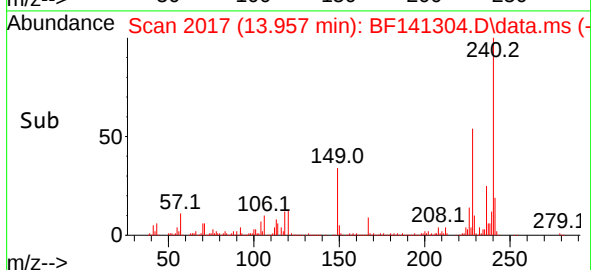
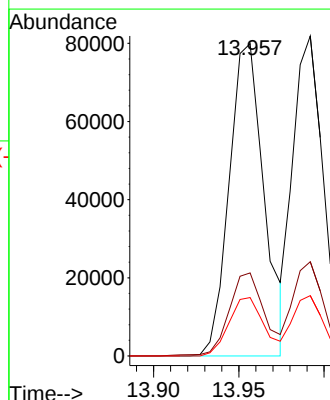
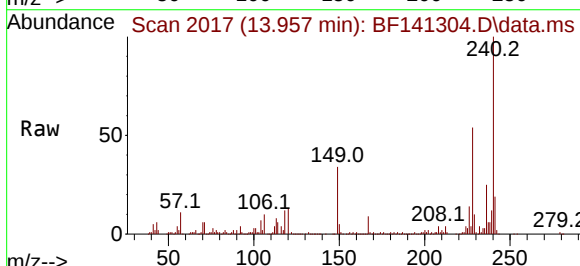
RT: 13.957 min Scan# 1917

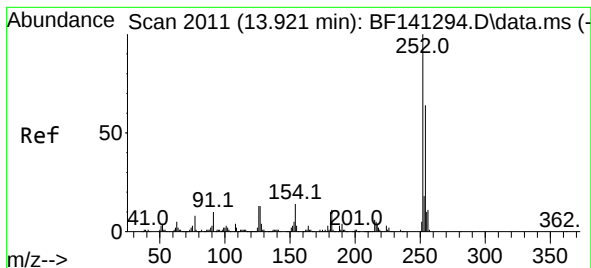
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:	228	Resp:	113856
Ion Ratio	Lower	Upper	
228	100		
226	26.6	21.4	32.2
229	18.7	15.5	23.3





#82

3,3'-Dichlorobenzidine

Concen: 4.272 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

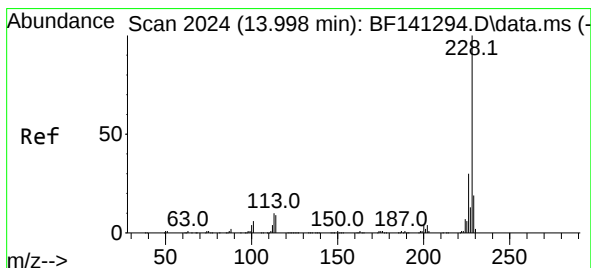
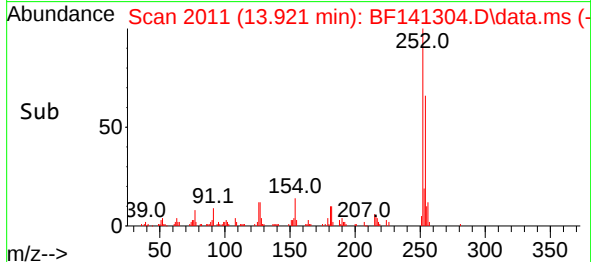
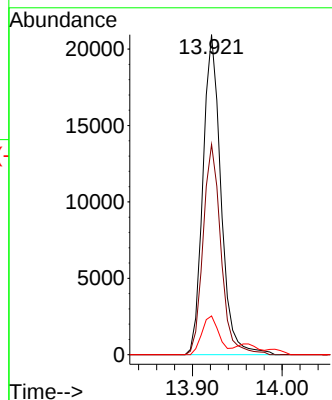
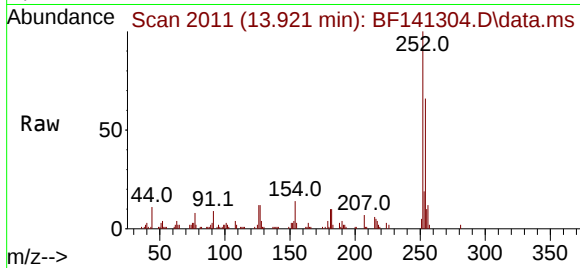
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:252	Resp:	29294
Ion Ratio	Lower	Upper
252	100	
254	65.7	51.3 76.9
126	12.1	10.0 15.0



#83

Chrysene

Concen: 5.187 ng

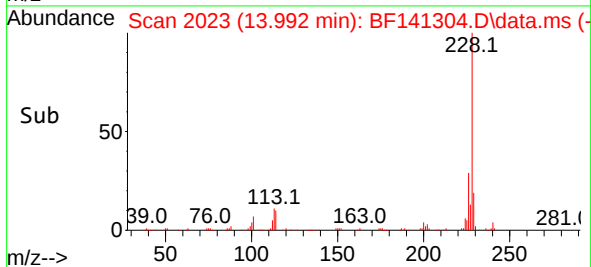
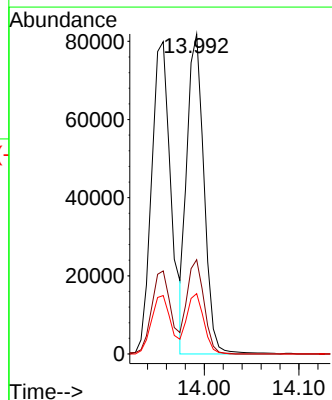
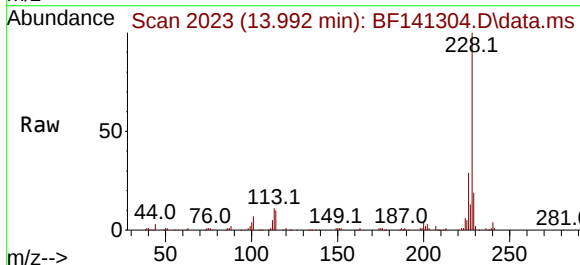
RT: 13.992 min Scan# 2023

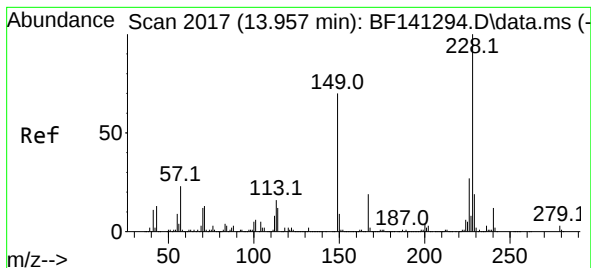
Delta R.T. -0.006 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Tgt Ion:228	Resp:	102490
Ion Ratio	Lower	Upper
228	100	
226	29.4	24.1 36.1
229	18.8	15.6 23.4

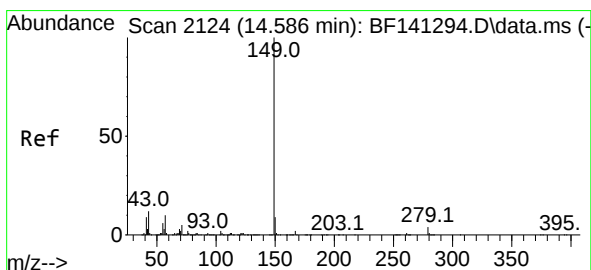
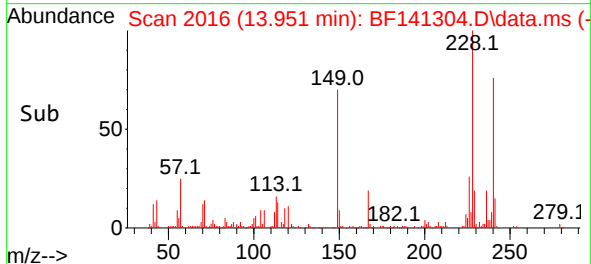
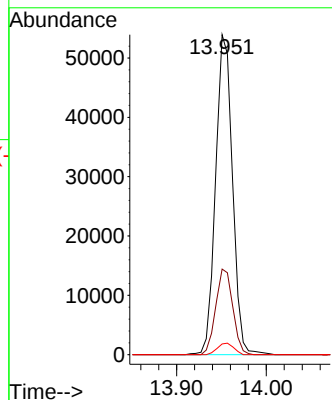
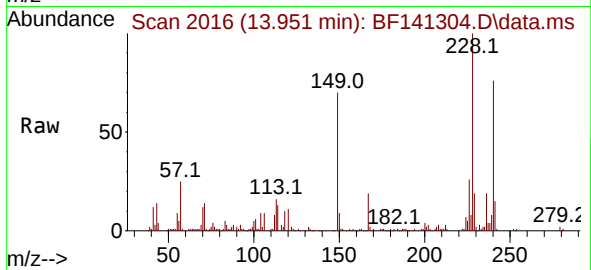




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.295 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

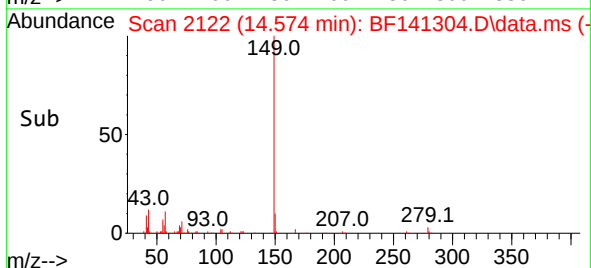
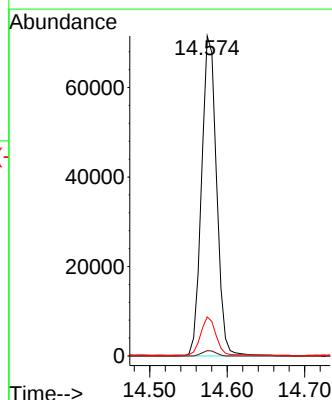
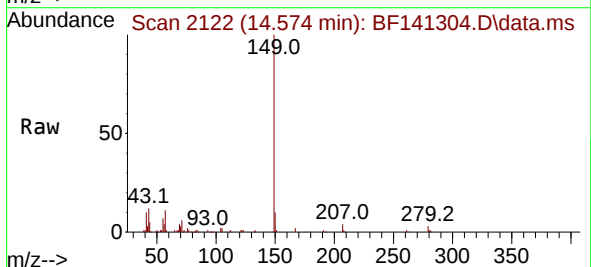
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2025

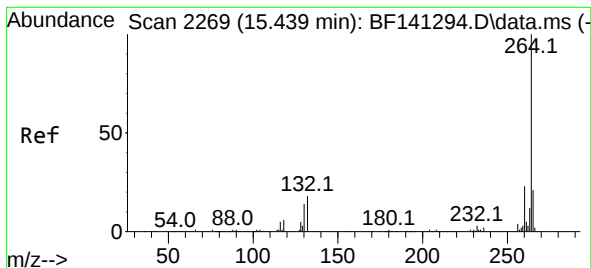
Tgt Ion:149 Resp: 70386
Ion Ratio Lower Upper
149 100
167 26.7 21.8 32.8
279 3.4 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.666 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BF141304.D
Acq: 30 Jan 2025 10:23

Tgt Ion:149 Resp: 96335
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.5 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

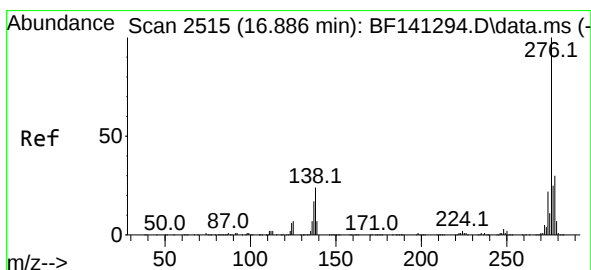
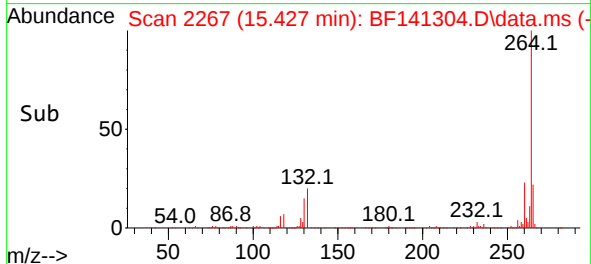
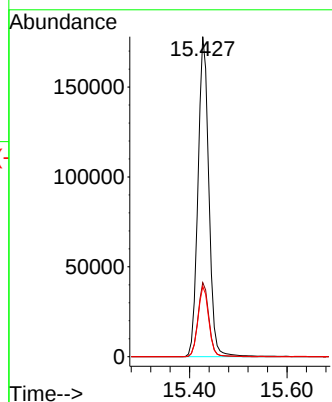
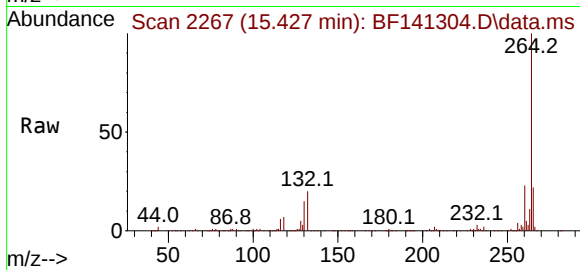
Tgt Ion:264 Resp: 276883

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.9 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.406 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.030 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

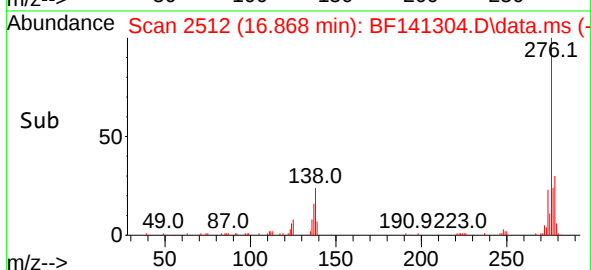
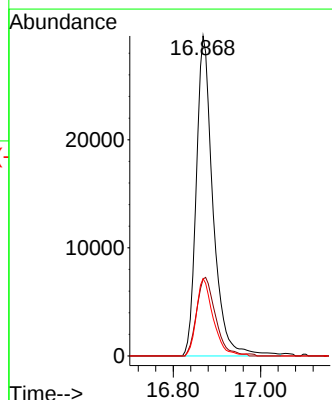
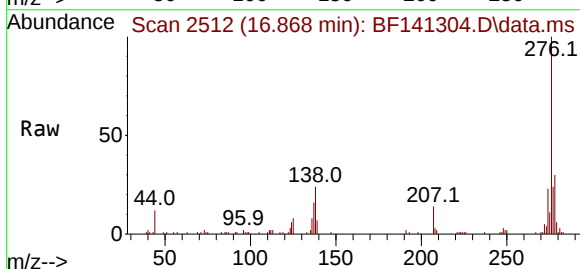
Tgt Ion:276 Resp: 78734

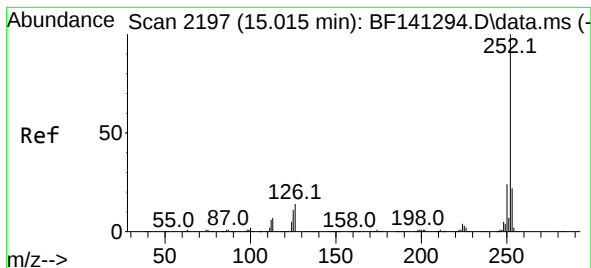
Ion Ratio Lower Upper

276 100

138 27.7 21.7 32.5

277 24.4 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 4.880 ng

RT: 15.004 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

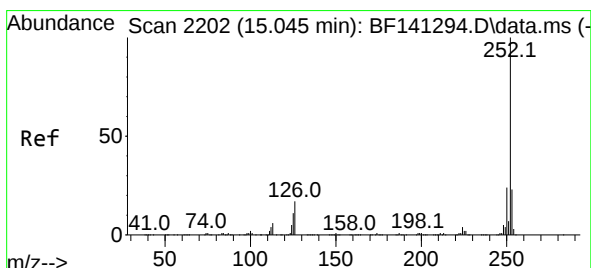
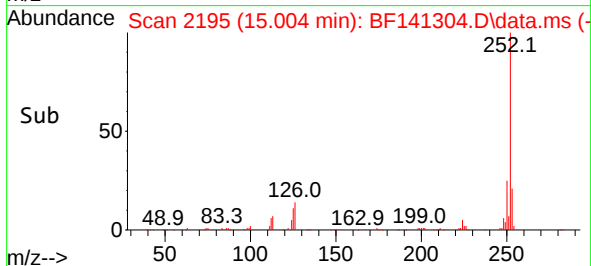
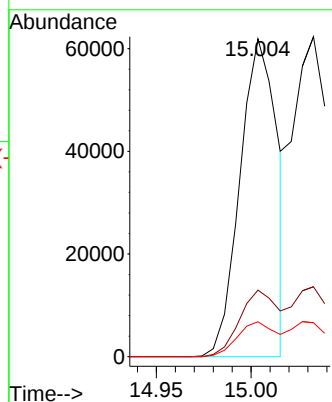
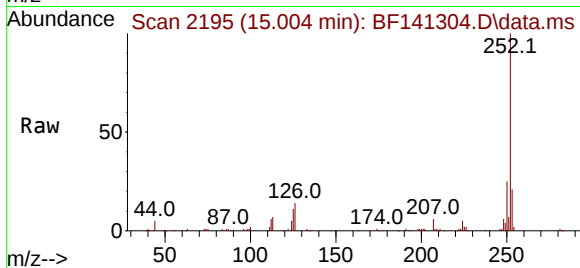
Tgt Ion:252 Resp: 84985

Ion Ratio Lower Upper

252 100

253 20.9 17.4 26.2

125 11.0 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 4.983 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

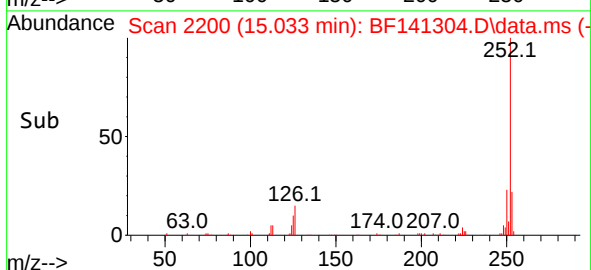
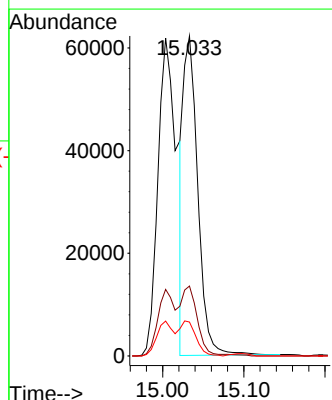
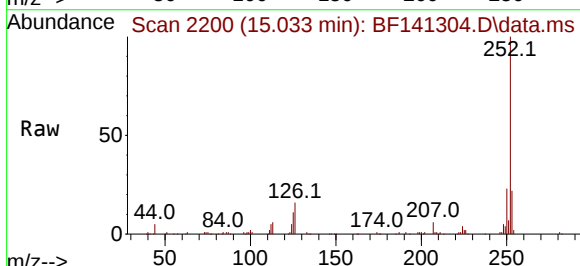
Tgt Ion:252 Resp: 76883

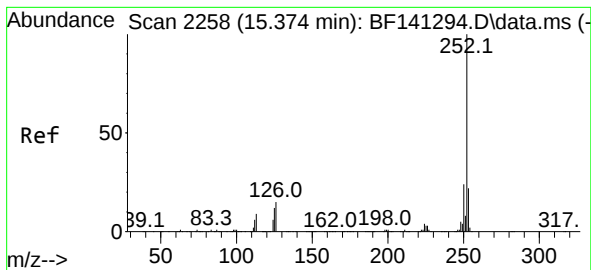
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.6 8.4 12.6





#90

Benzo(a)pyrene

Concen: 5.225 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2025

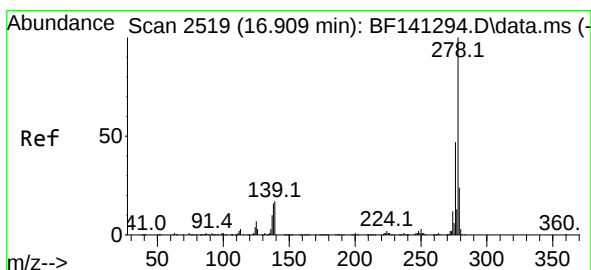
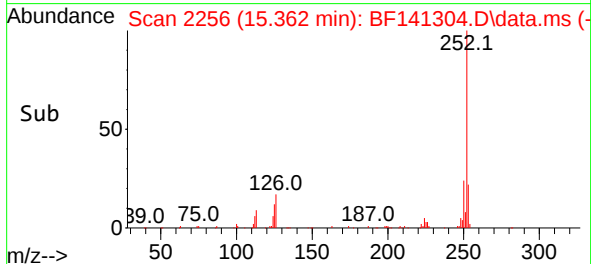
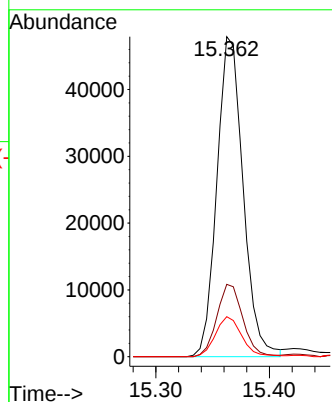
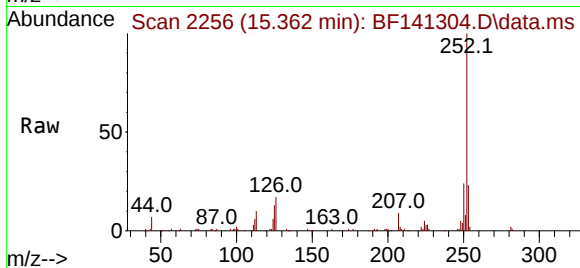
Tgt Ion:252 Resp: 76894

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 12.5 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 4.339 ng

RT: 16.892 min Scan# 2516

Delta R.T. -0.030 min

Lab File: BF141304.D

Acq: 30 Jan 2025 10:23

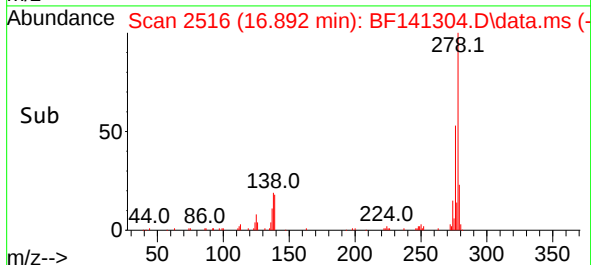
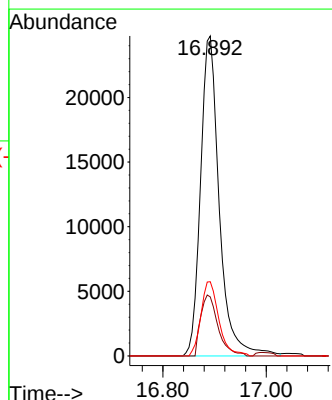
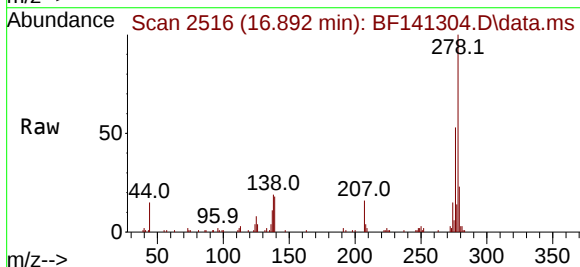
Tgt Ion:278 Resp: 62387

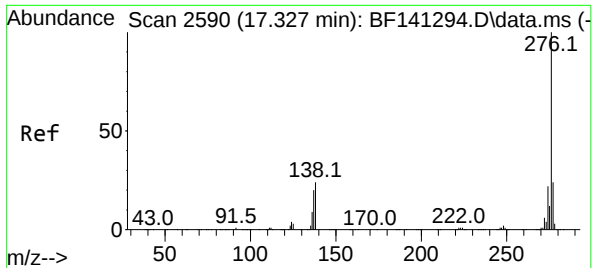
Ion Ratio Lower Upper

278 100

139 18.4 13.9 20.9

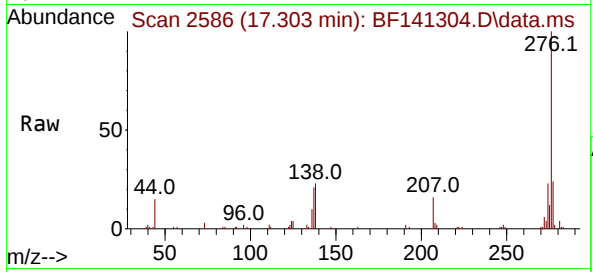
279 23.2 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.181 ng
 RT: 17.303 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF141304.D
 Acq: 30 Jan 2025 10:23

Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT1-2025



Tgt Ion:	276	Resp:	62505
Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.0	19.0	28.4

