

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138662.D
 Acq On : 25 Jul 2024 19:53
 Operator : RC/JU
 Sample : P3352-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP

Quant Time: Jul 26 01:13:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

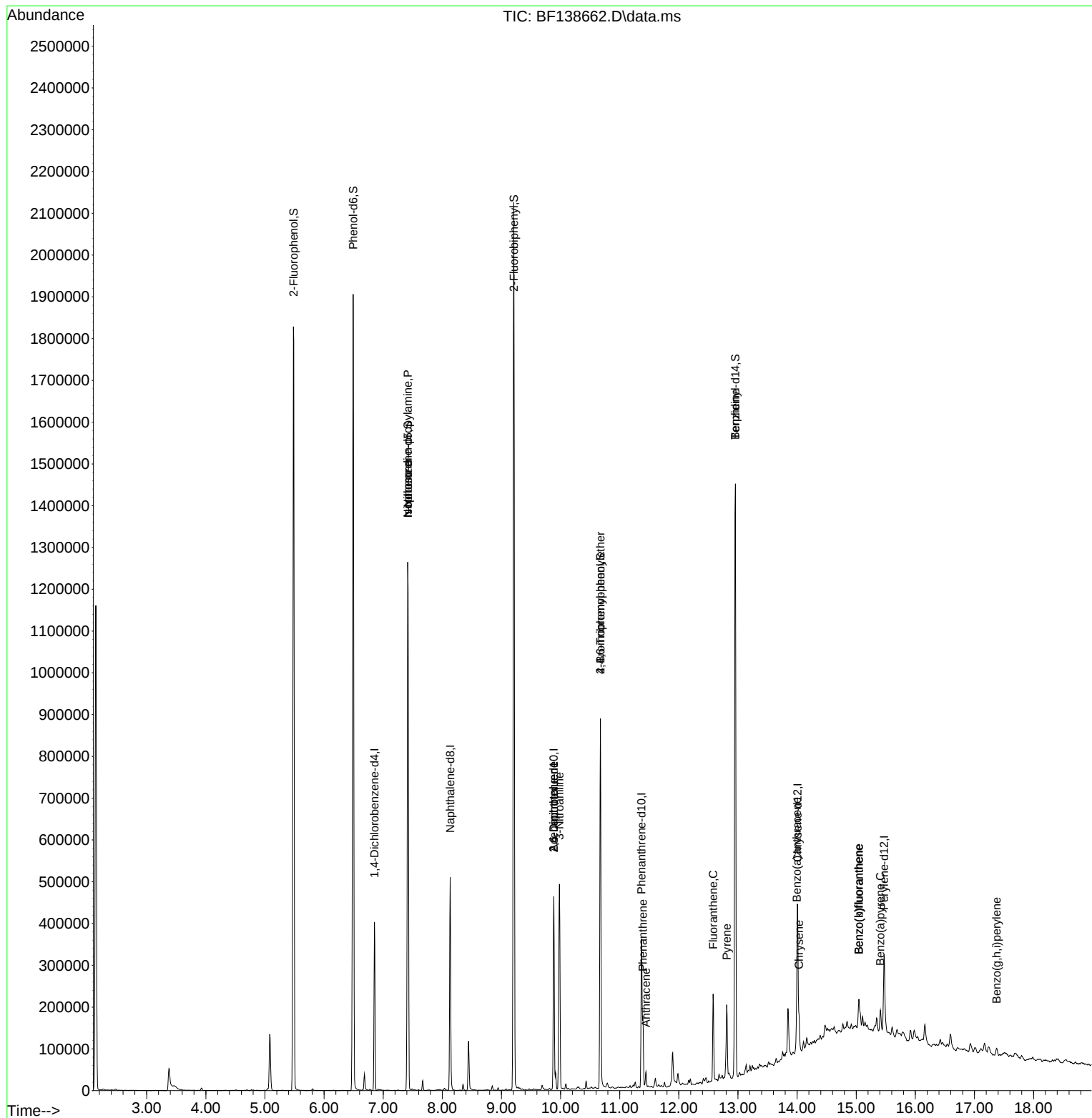
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	76773	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	296439	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	131576	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	173049	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	140548	20.000	ng	-0.02
86) Perylene-d12	15.474	264	103679	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	657131	135.560	ng	0.00
7) Phenol-d6	6.492	99	883417	136.993	ng	-0.01
23) Nitrobenzene-d5	7.416	82	575267	95.279	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	137977	112.203	ng	-0.02
45) 2-Fluorobiphenyl	9.210	172	899253	106.816	ng	-0.02
79) Terphenyl-d14	12.957	244	678893	78.692	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	78577	19.720	ng	# 71
25) Isophorone	7.416	82	575260	55.481	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	17106	8.732	ng	# 24
53) 3-Nitroaniline	9.980	138	4596	2.289	ng	# 1
57) 2,4-Dinitrotoluene	9.886	165	17106	6.749	ng	# 19
67) 4-Bromophenyl-phenylether	10.675	248	8947	5.030	ng	# 1
71) Phenanthrene	11.392	178	83156	9.512	ng	99
72) Anthracene	11.445	178	19987	2.303	ng	98
75) Fluoranthene	12.580	202	112314	12.590	ng	97
77) Benzidine	12.957	184	9381	2.646	ng	# 90
78) Pyrene	12.810	202	96645	6.774	ng	98
81) Benzo(a)anthracene	13.998	228	51530	5.464	ng	98
83) Chrysene	14.033	228	43007	4.821	ng	96
88) Benzo(b)fluoranthene	15.045	252	56391	9.658	ng	# 88
89) Benzo(k)fluoranthene	15.045	252	56391	9.903	ng	# 88
90) Benzo(a)pyrene	15.410	252	26322	5.132	ng	# 89
92) Benzo(g,h,i)perylene	17.374	276	15847	2.623	ng	# 94

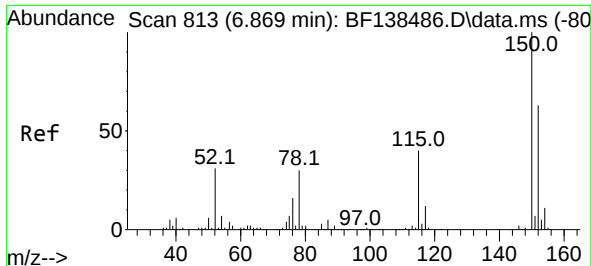
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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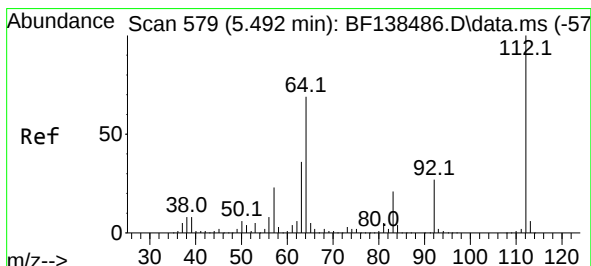
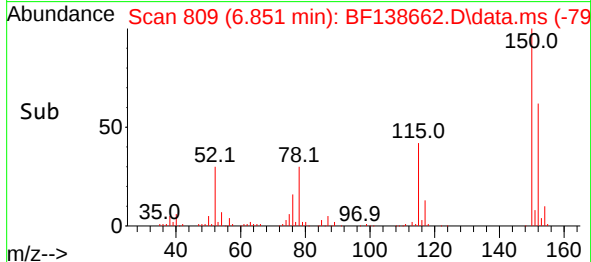
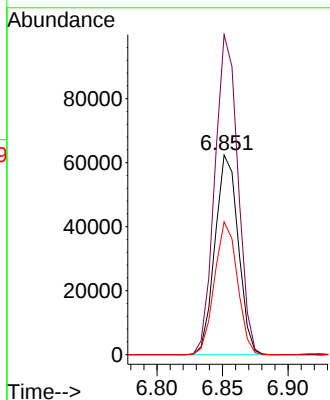
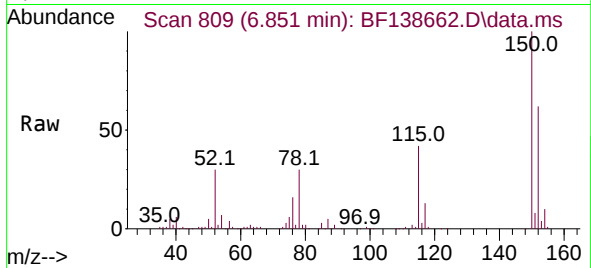




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

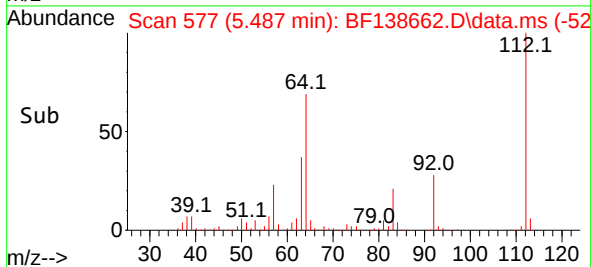
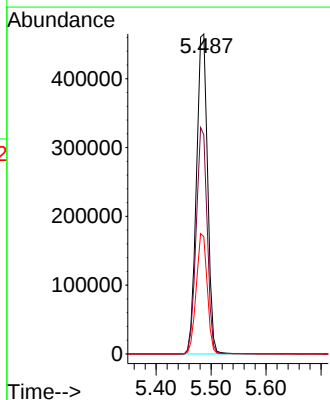
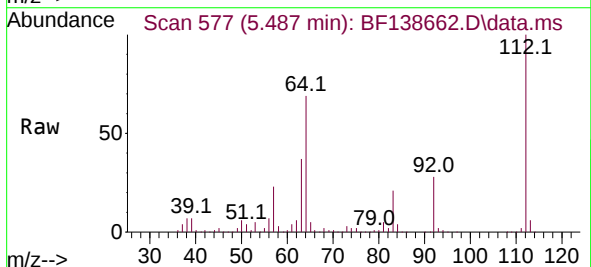
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

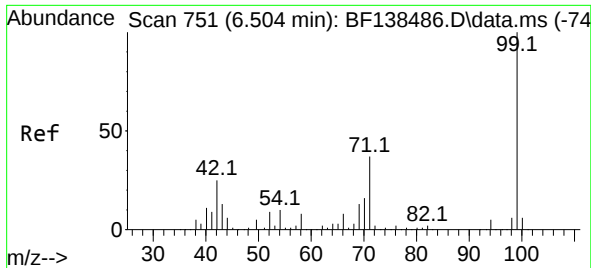
Tgt Ion:152 Resp: 76773
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.4
115 66.6 50.3 75.5



#5
2-Fluorophenol
Concen: 135.560 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

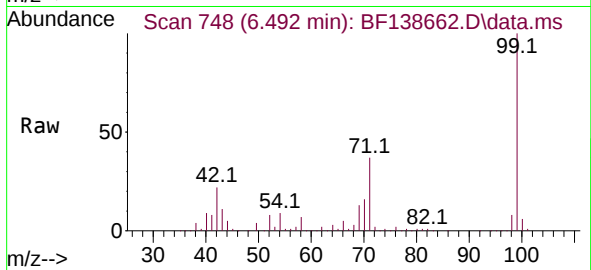
Tgt Ion:112 Resp: 657131
Ion Ratio Lower Upper
112 100
64 68.5 55.1 82.7
63 36.6 29.0 43.6



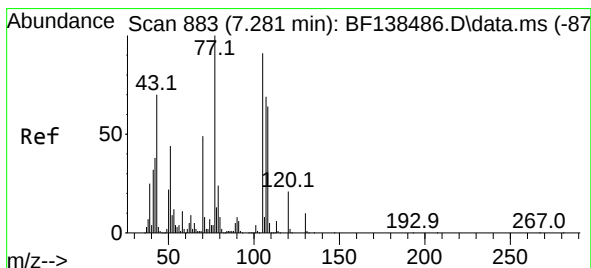
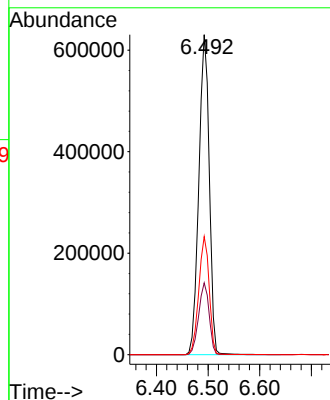
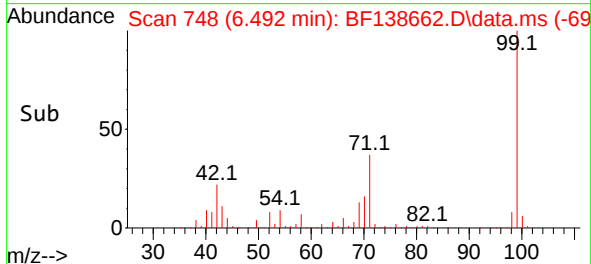


#7
Phenol-d6
Concen: 136.993 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

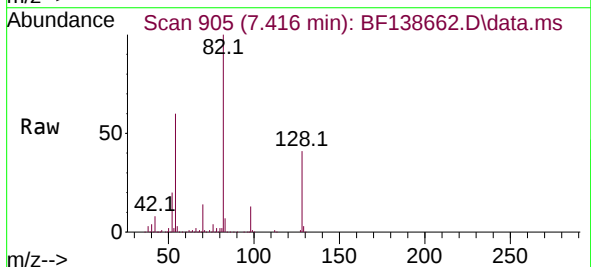
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP



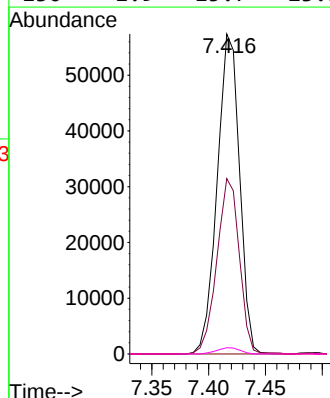
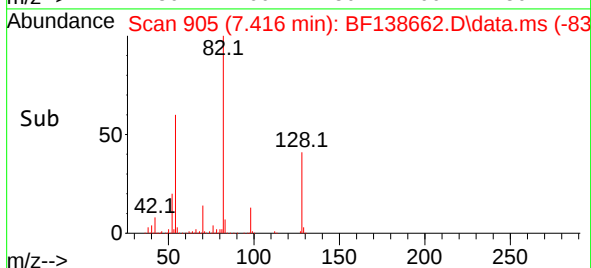
Tgt Ion: 99 Resp: 883417
Ion Ratio Lower Upper
99 100
42 22.4 19.7 29.5
71 36.9 29.9 44.9

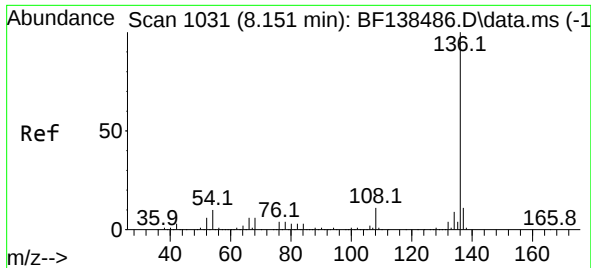


#19
n-Nitroso-di-n-propylamine
Concen: 19.720 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53



Tgt Ion: 70 Resp: 78577
Ion Ratio Lower Upper
70 100
42 54.8 62.4 93.6#
101 0.0 7.2 10.8#
130 1.9 15.7 23.5#



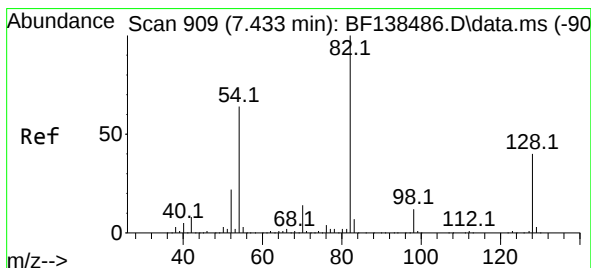
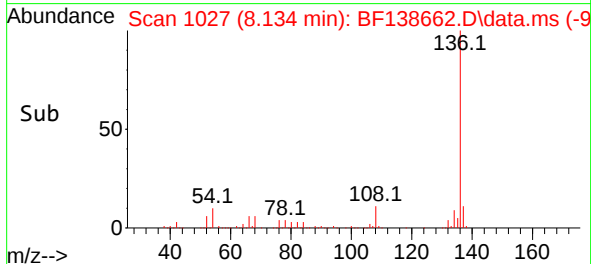
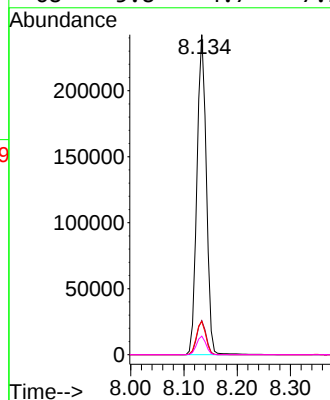
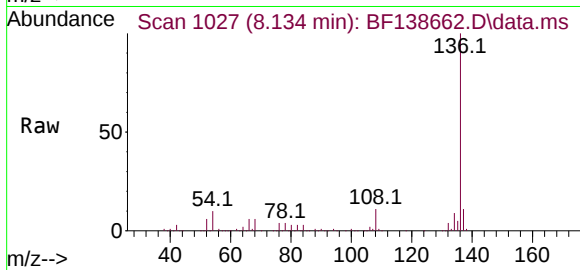


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

Tgt Ion:136 Resp: 296439

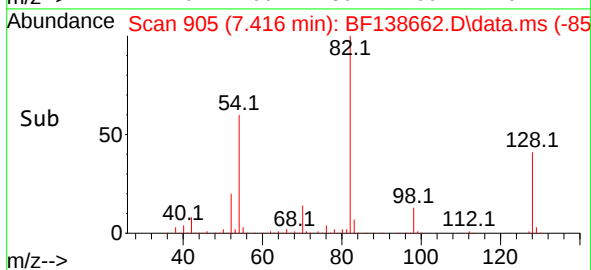
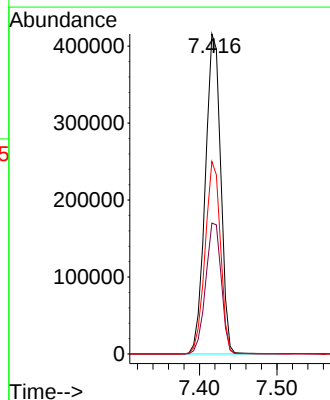
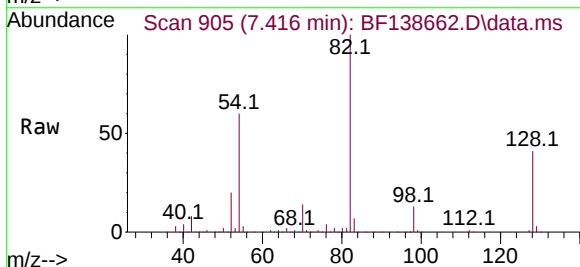
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.4	8.1	12.1
68	5.8	4.7	7.1

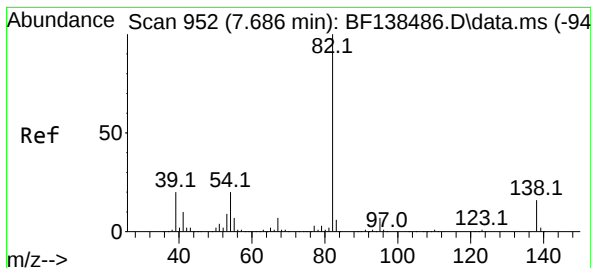


#23
Nitrobenzene-d5
Concen: 95.279 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion: 82 Resp: 575267

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.3	48.5
54	60.1	51.4	77.0





#25

Isophorone

Concen: 55.481 ng

RT: 7.416 min Scan# 90

Delta R.T. -0.270 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

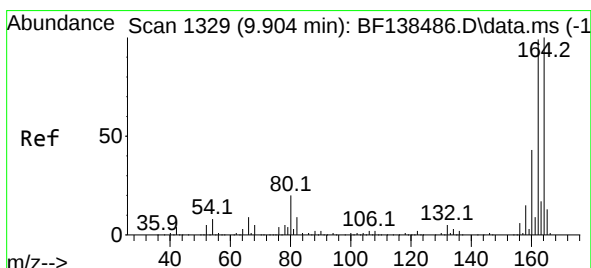
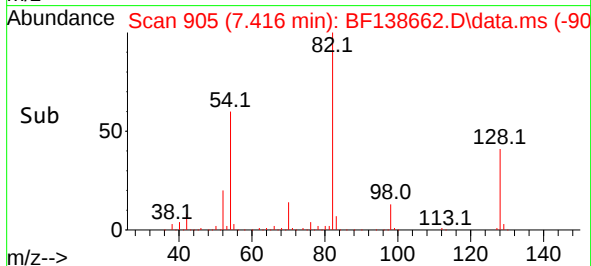
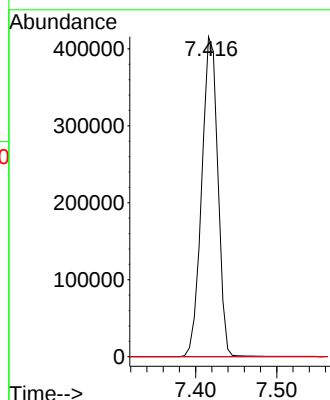
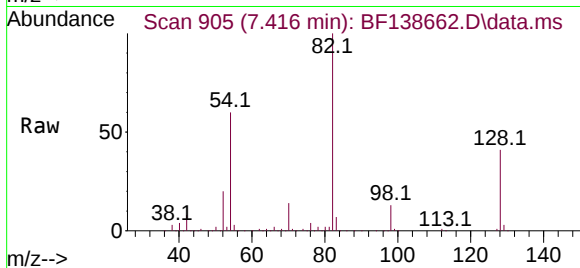
Tgt Ion: 82 Resp: 575260

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 12.8 19.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1325

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

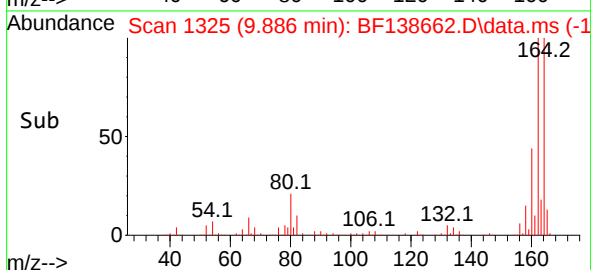
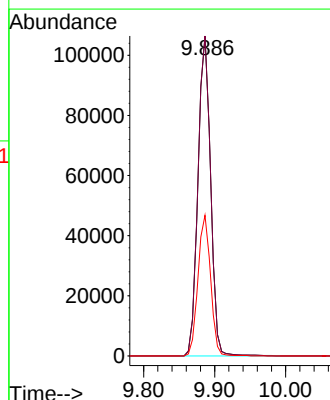
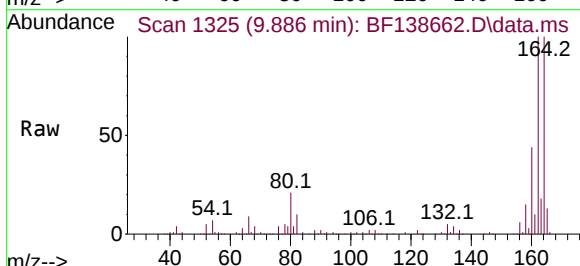
Tgt Ion:164 Resp: 131576

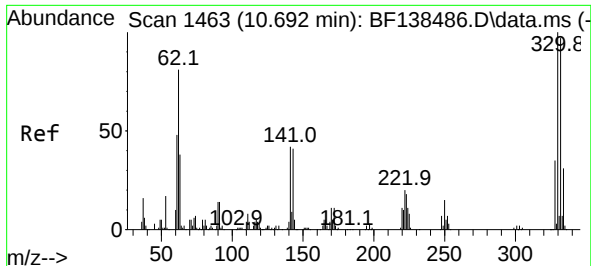
Ion Ratio Lower Upper

164 100

162 100.0 79.0 118.6

160 43.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 112.203 ng

RT: 10.675 min Scan# 1463

Delta R.T. -0.018 min

Lab File: BF138662.D

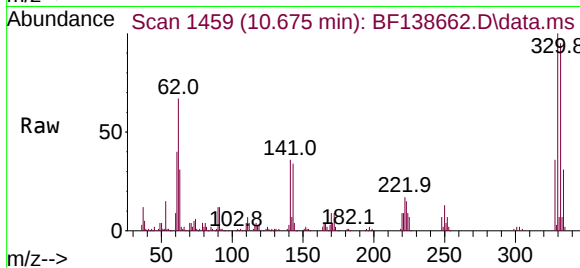
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP



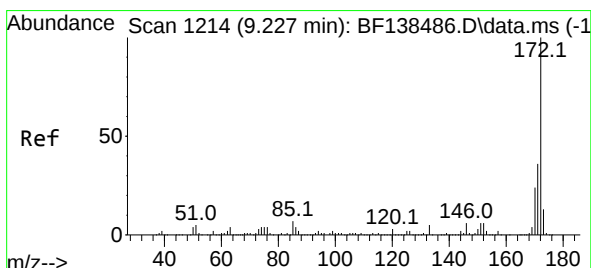
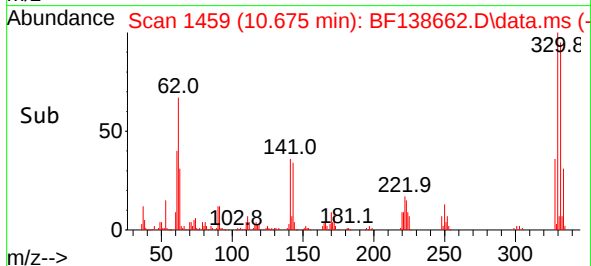
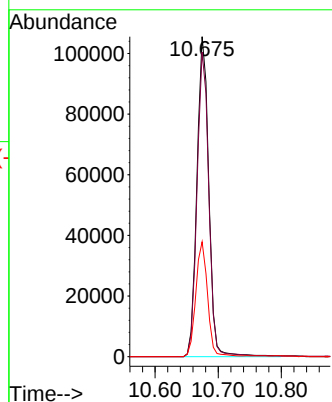
Tgt Ion:330 Resp: 137977

Ion Ratio Lower Upper

330 100

332 95.0 76.8 115.2

141 35.6 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 106.816 ng

RT: 9.210 min Scan# 1210

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

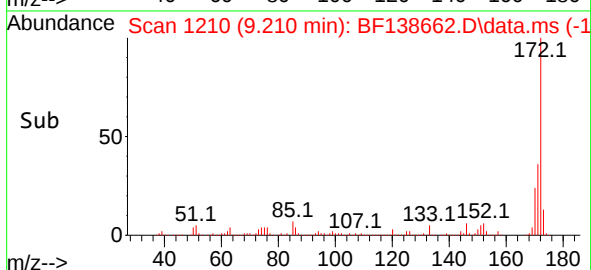
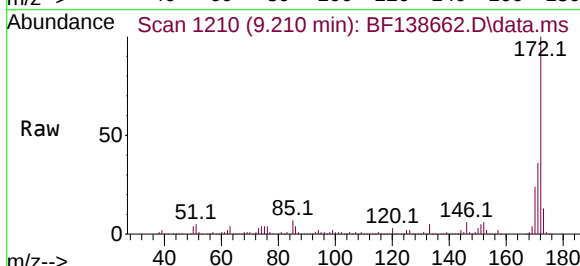
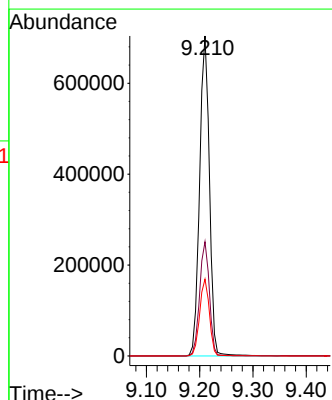
Tgt Ion:172 Resp: 899253

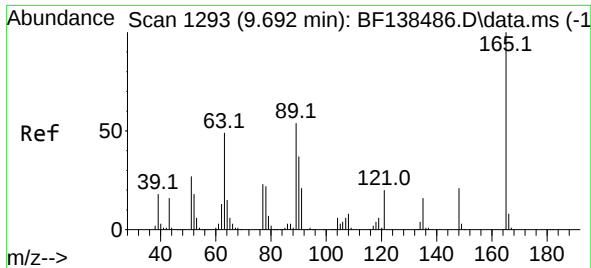
Ion Ratio Lower Upper

172 100

171 35.7 28.9 43.3

170 24.0 18.9 28.3

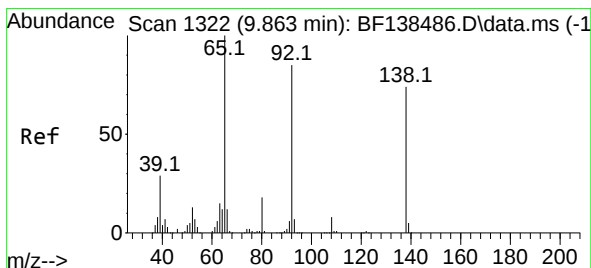
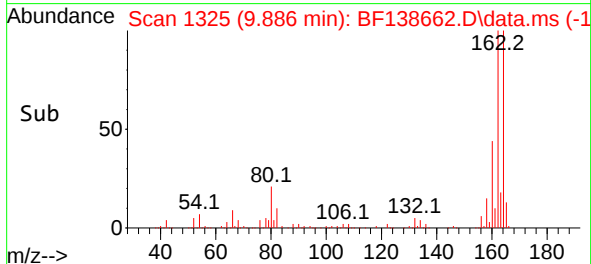
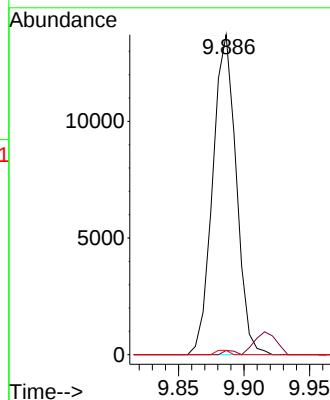
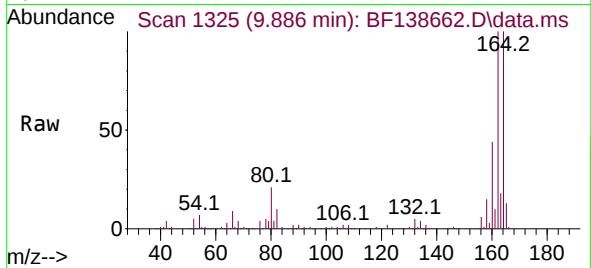




#51
2,6-Dinitrotoluene
Concen: 8.732 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

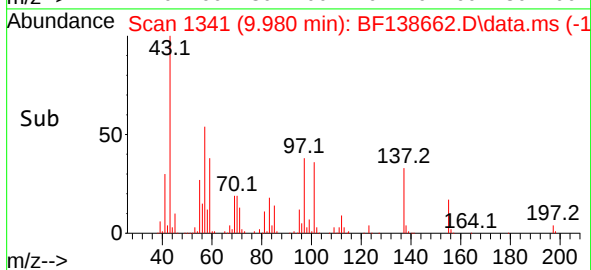
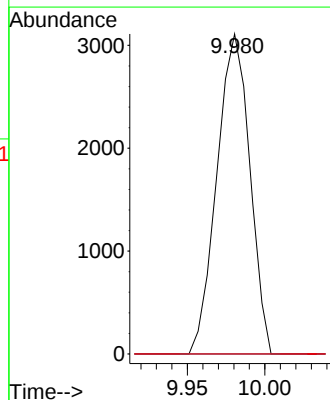
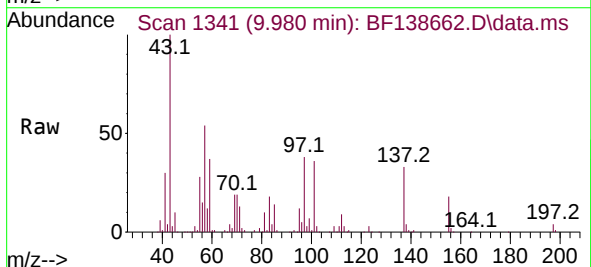
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

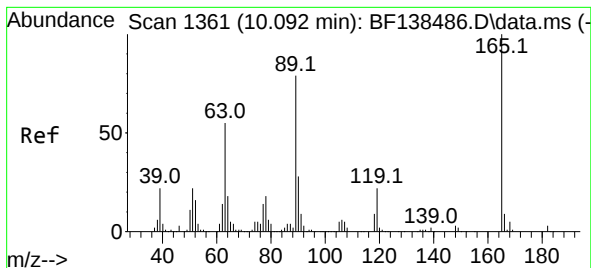
Tgt Ion:165 Resp: 17106
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.4 43.0 64.6#



#53
3-Nitroaniline
Concen: 2.289 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.118 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:138 Resp: 4596
Ion Ratio Lower Upper
138 100
108 0.0 8.3 12.5#
92 0.0 92.6 138.8#

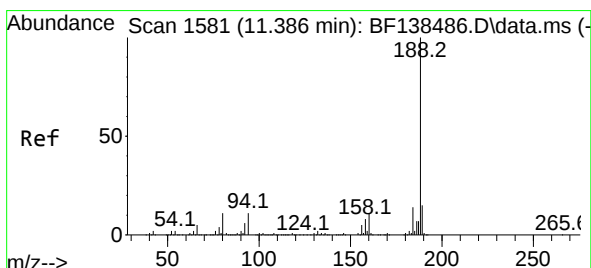
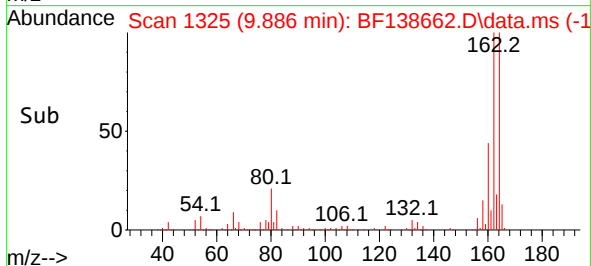
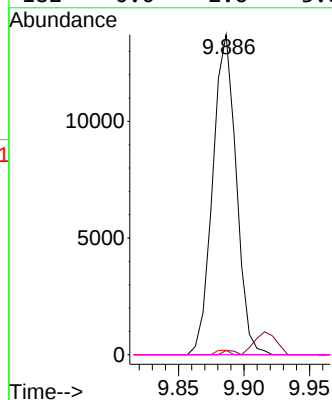
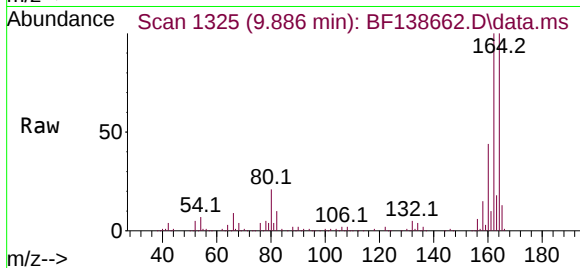




#57
2,4-Dinitrotoluene
Concen: 6.749 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

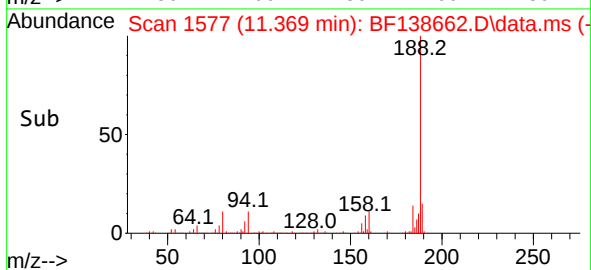
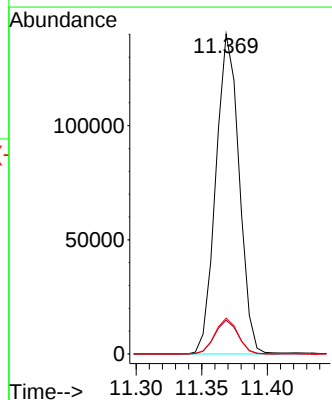
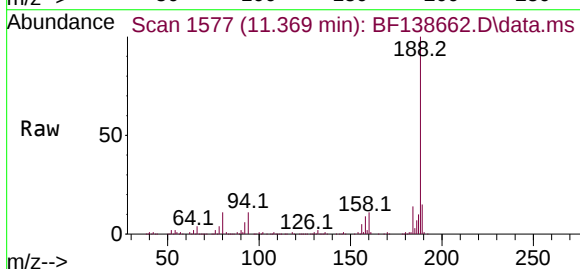
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

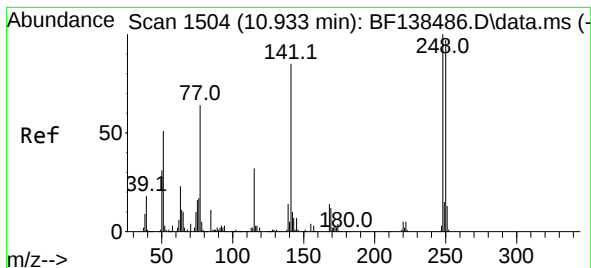
Tgt Ion:	165	Resp:	17106
Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.6	66.8#
89	1.4	63.4	95.2#
182	0.0	2.6	3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:	188	Resp:	173049
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.7	13.1
80	11.2	9.0	13.4

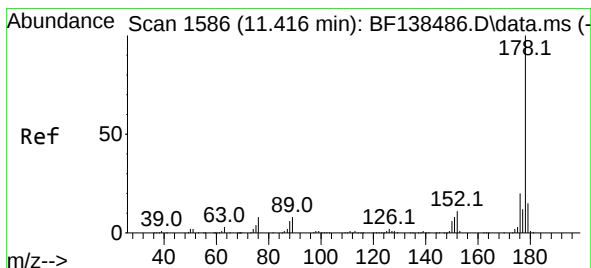
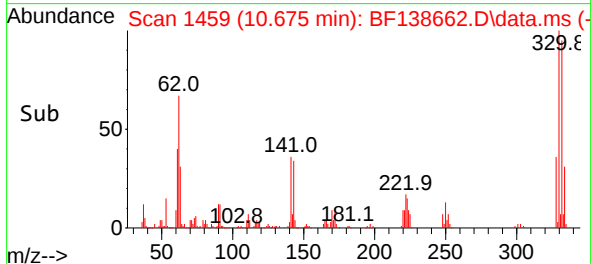
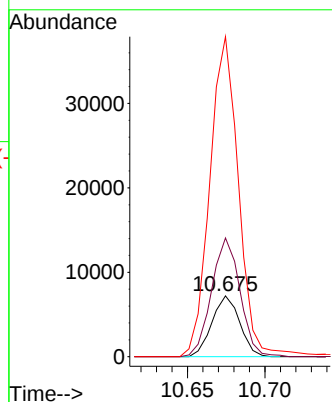
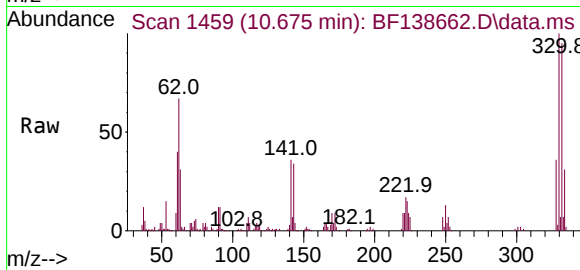




#67
4-Bromophenyl-phenylether
Concen: 5.030 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.259 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

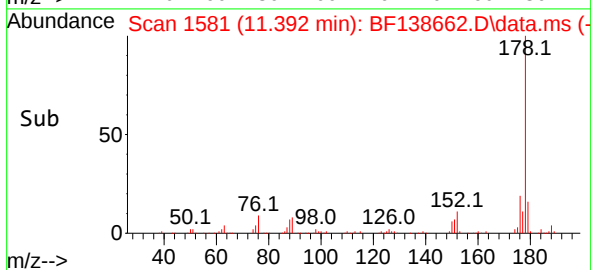
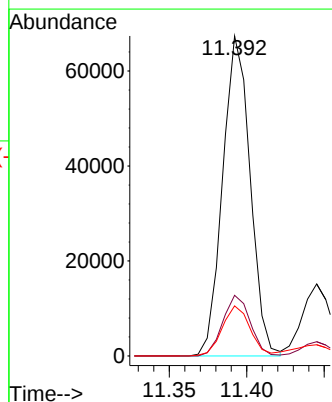
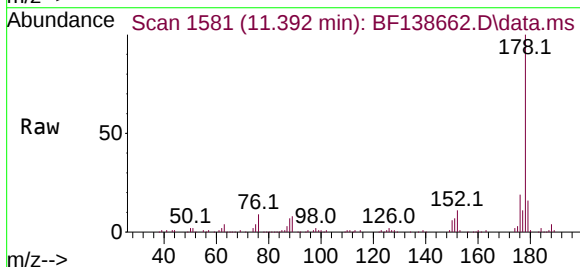
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

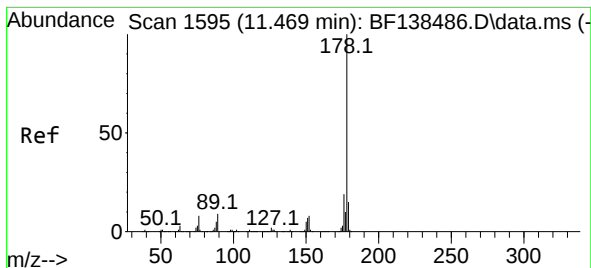
Tgt Ion:248 Resp: 8947
Ion Ratio Lower Upper
248 100
250 195.5 77.9 116.9#
141 526.8 67.7 101.5#



#71
Phenanthrene
Concen: 9.512 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:178 Resp: 83156
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.7 12.2 18.2





#72

Anthracene

Concen: 2.303 ng

RT: 11.445 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

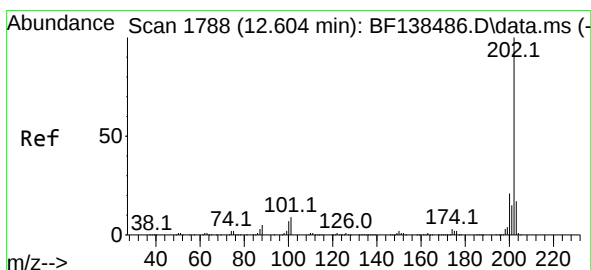
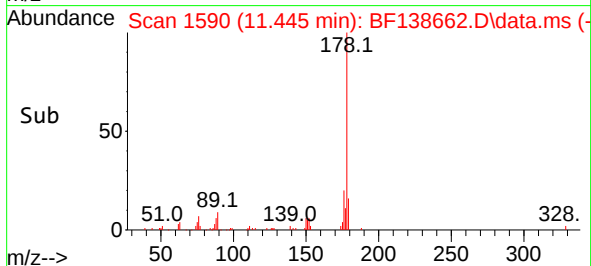
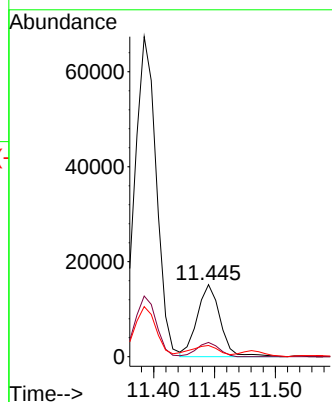
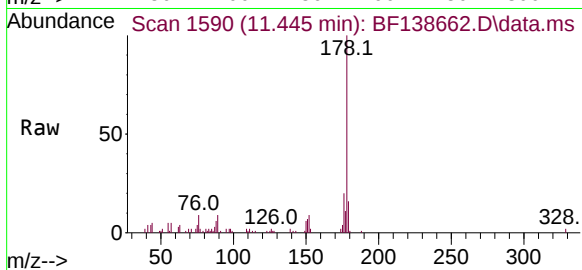
Tgt Ion:178 Resp: 19987

Ion Ratio Lower Upper

178 100

176 19.8 14.8 22.2

179 15.5 12.2 18.4



#75

Fluoranthene

Concen: 12.590 ng

RT: 12.580 min Scan# 1783

Delta R.T. -0.023 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

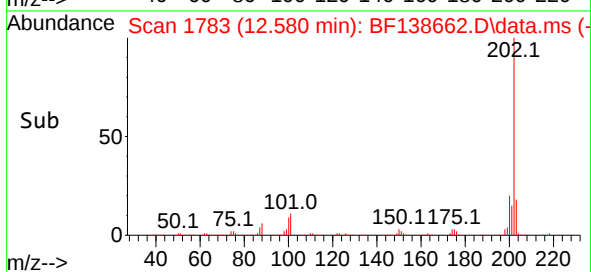
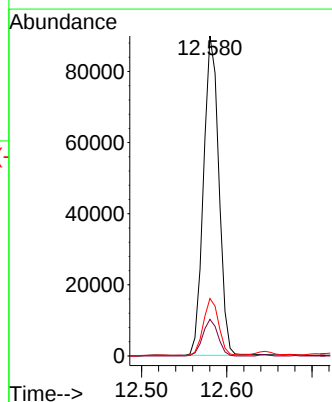
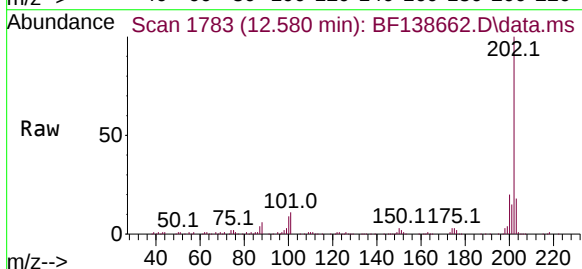
Tgt Ion:202 Resp: 112314

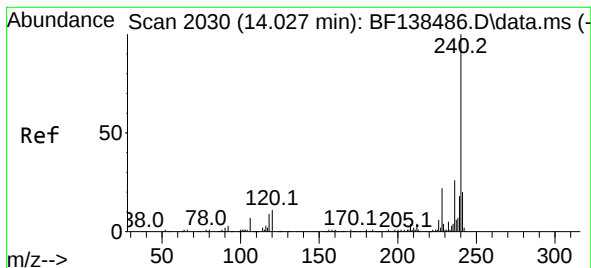
Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.2

203 17.9 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

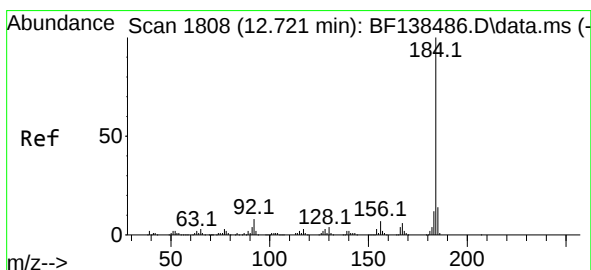
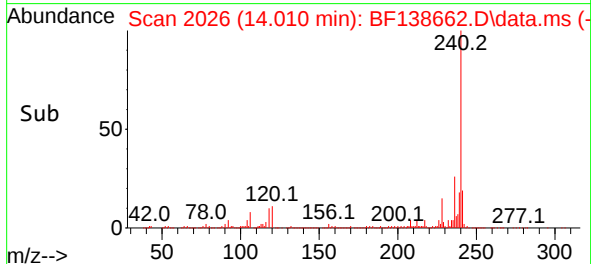
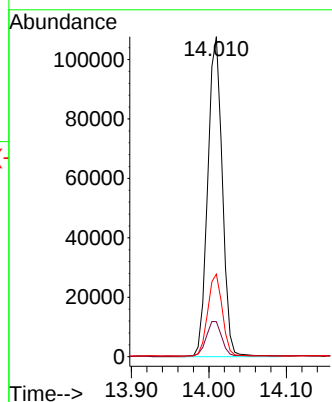
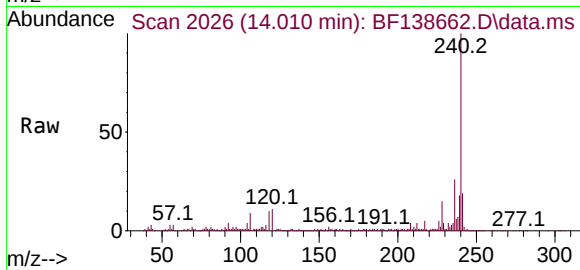
Tgt Ion:240 Resp: 140548

Ion Ratio Lower Upper

240 100

120 10.9 8.6 12.8

236 25.8 21.0 31.6



#77

Benzidine

Concen: 2.646 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.236 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

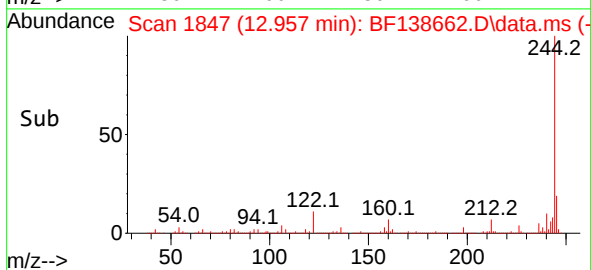
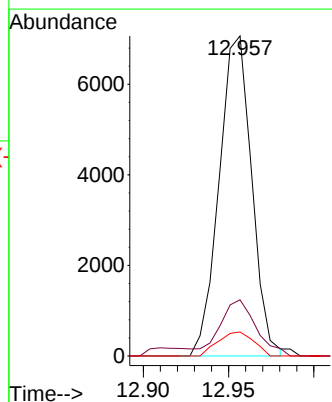
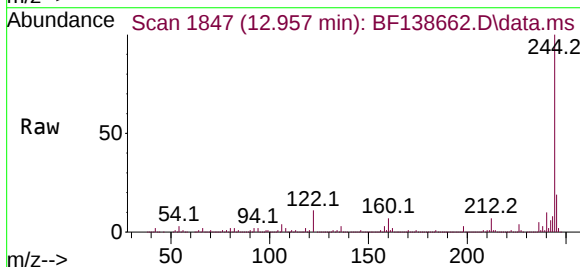
Tgt Ion:184 Resp: 9381

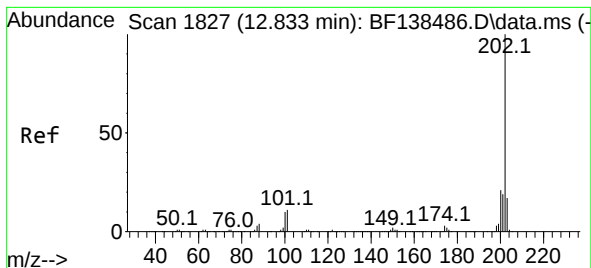
Ion Ratio Lower Upper

184 100

185 17.6 11.3 16.9#

183 7.5 9.5 14.3#





#78

Pyrene

Concen: 6.774 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.023 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

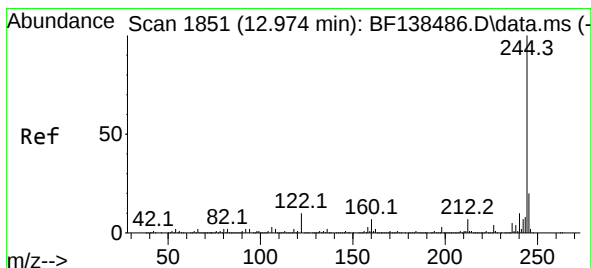
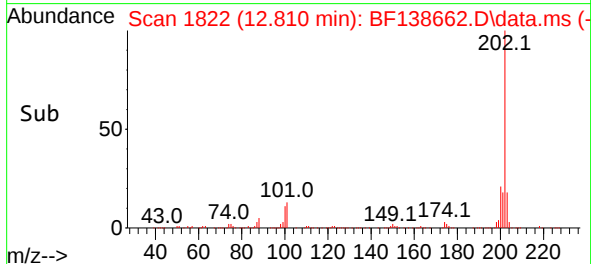
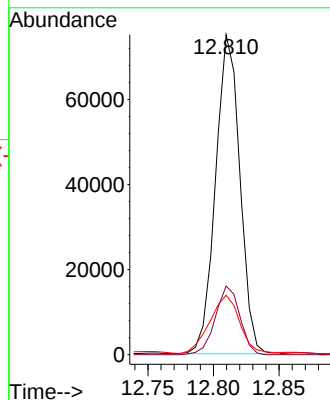
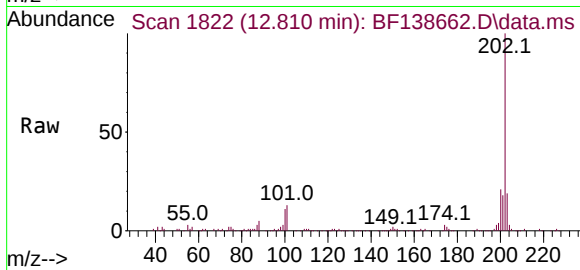
Tgt Ion:202 Resp: 96645

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 18.5 13.7 20.5



#79

Terphenyl-d14

Concen: 78.692 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

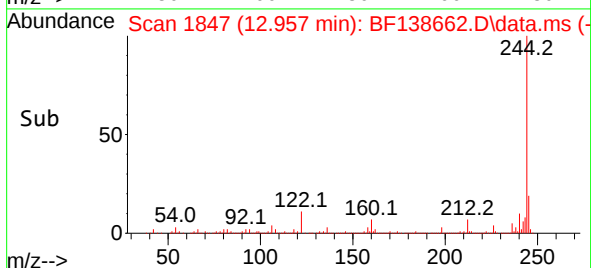
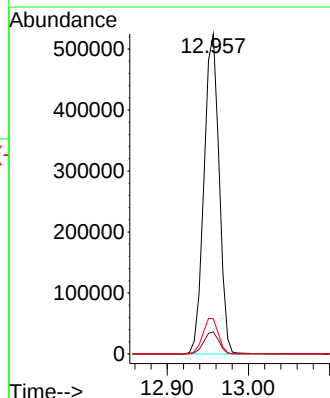
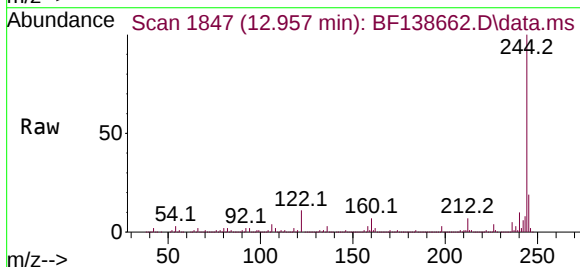
Tgt Ion:244 Resp: 678893

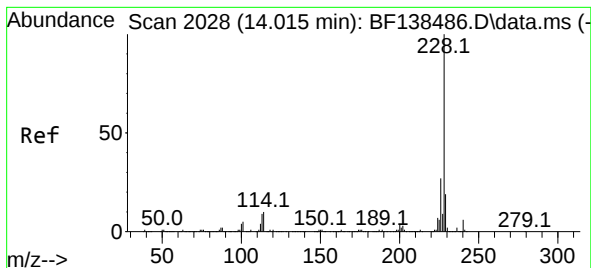
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.0 7.8 11.8





#81

Benzo(a)anthracene

Concen: 5.464 ng

RT: 13.998 min Scan# 2028

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

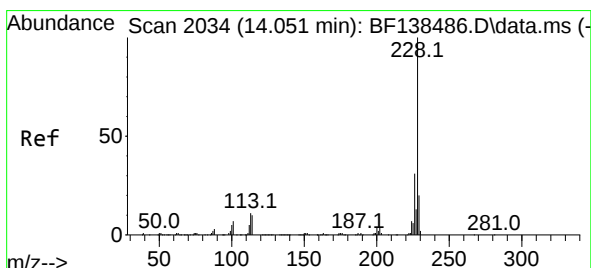
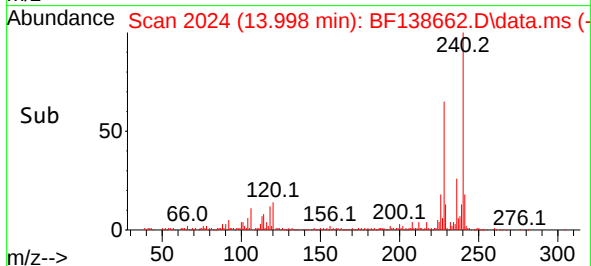
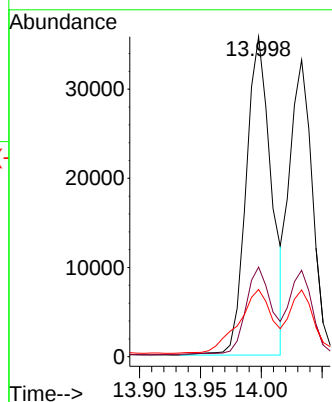
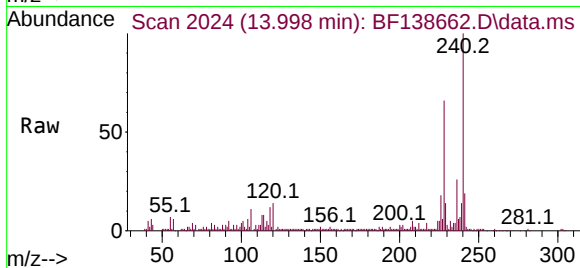
Tgt Ion:228 Resp: 51530

Ion Ratio Lower Upper

228 100

226 28.0 21.9 32.9

229 21.0 15.5 23.3



#83

Chrysene

Concen: 4.821 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

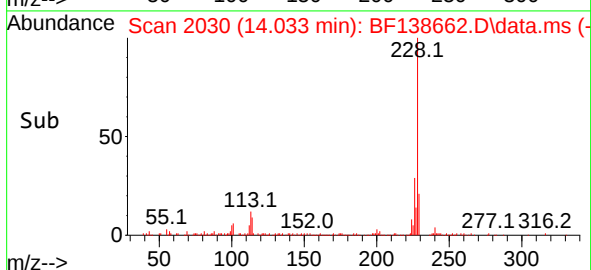
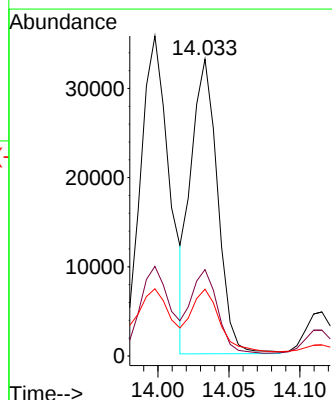
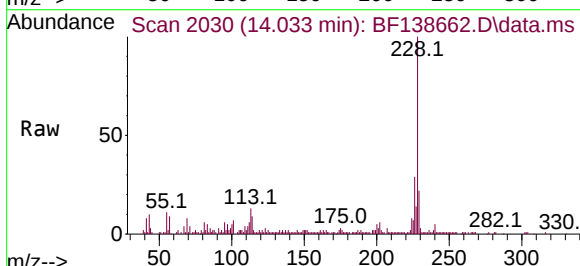
Tgt Ion:228 Resp: 43007

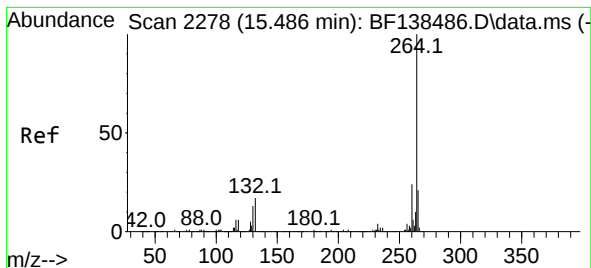
Ion Ratio Lower Upper

228 100

226 29.1 24.4 36.6

229 22.5 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP

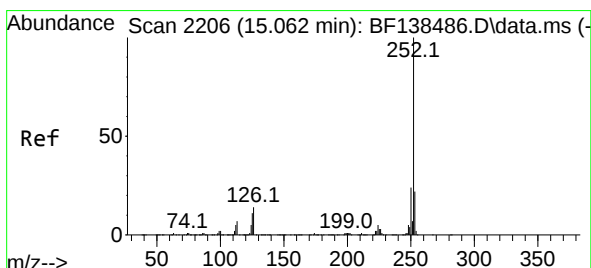
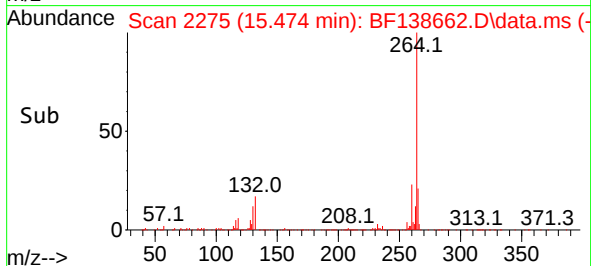
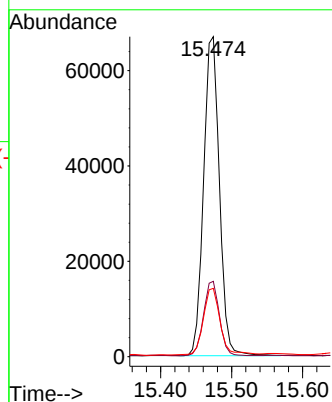
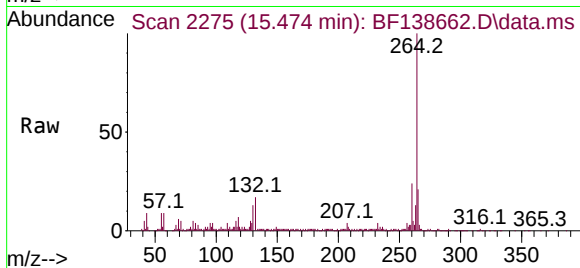
Tgt Ion:264 Resp: 103679

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 21.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 9.658 ng

RT: 15.045 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BF138662.D

Acq: 25 Jul 2024 19:53

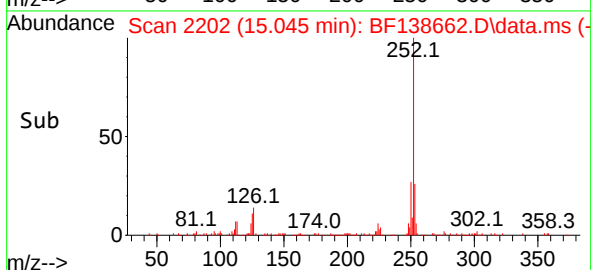
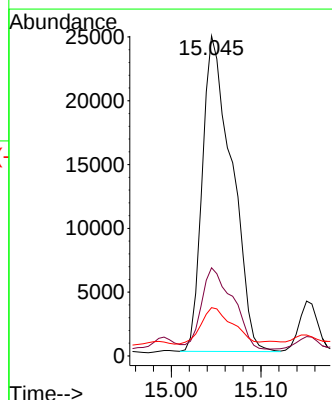
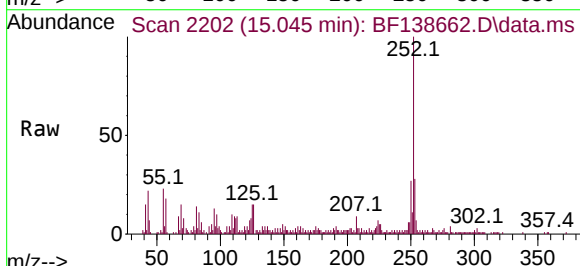
Tgt Ion:252 Resp: 56391

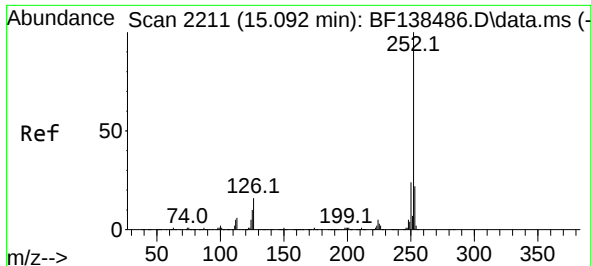
Ion Ratio Lower Upper

252 100

253 27.6 17.3 25.9#

125 15.1 8.6 13.0#

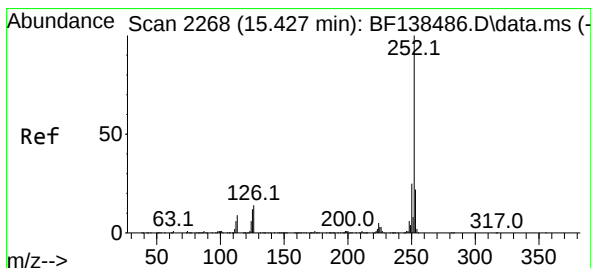
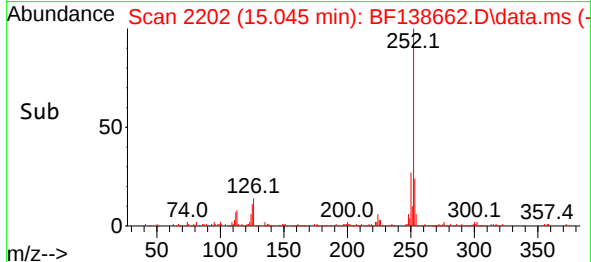
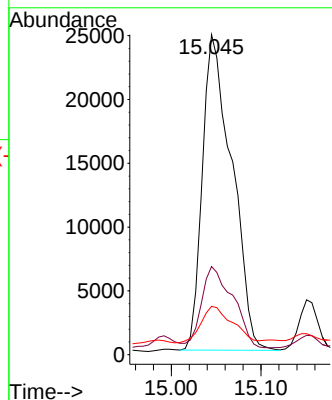
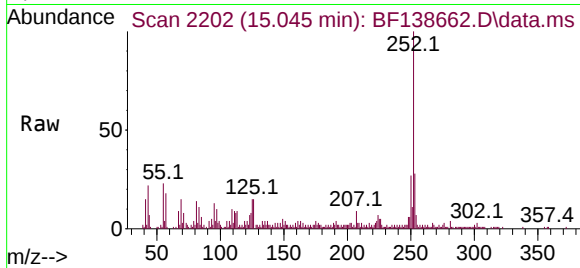




#89
Benzo(k)fluoranthene
Concen: 9.903 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

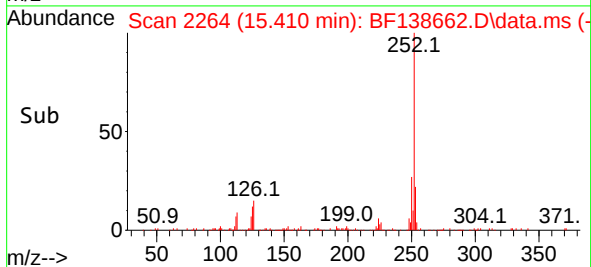
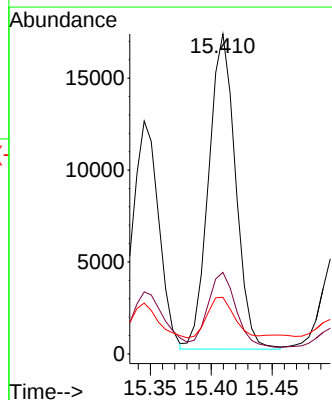
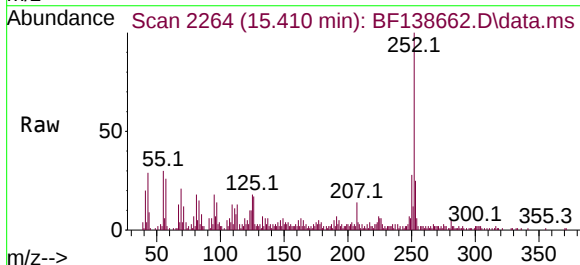
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP

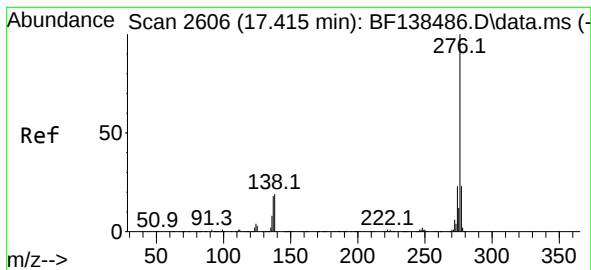
Tgt Ion:252 Resp: 56391
Ion Ratio Lower Upper
252 100
253 27.6 17.7 26.5#
125 15.1 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 5.132 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.018 min
Lab File: BF138662.D
Acq: 25 Jul 2024 19:53

Tgt Ion:252 Resp: 26322
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 17.7 9.4 14.2#





#92

Benzo(g,h,i)perylene

Concen: 2.623 ng

RT: 17.374 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF138662.D

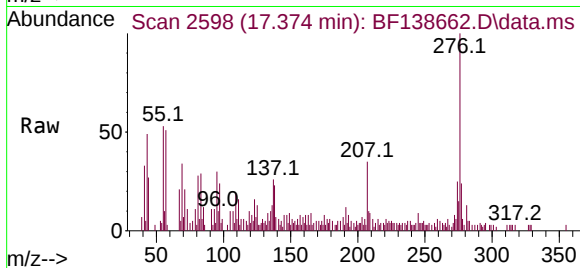
Acq: 25 Jul 2024 19:53

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP



Tgt Ion:276 Resp: 15847

Ion Ratio Lower Upper

276 100

277 24.1 18.0 27.0

138 23.3 15.5 23.3#

