

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
 Data File : BN035086.D
 Acq On : 14 Nov 2024 13:22
 Operator : RC/JU
 Sample : P4495-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Quant Time: Nov 14 13:51:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 17:18:14 2024
 Response via : Initial Calibration

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

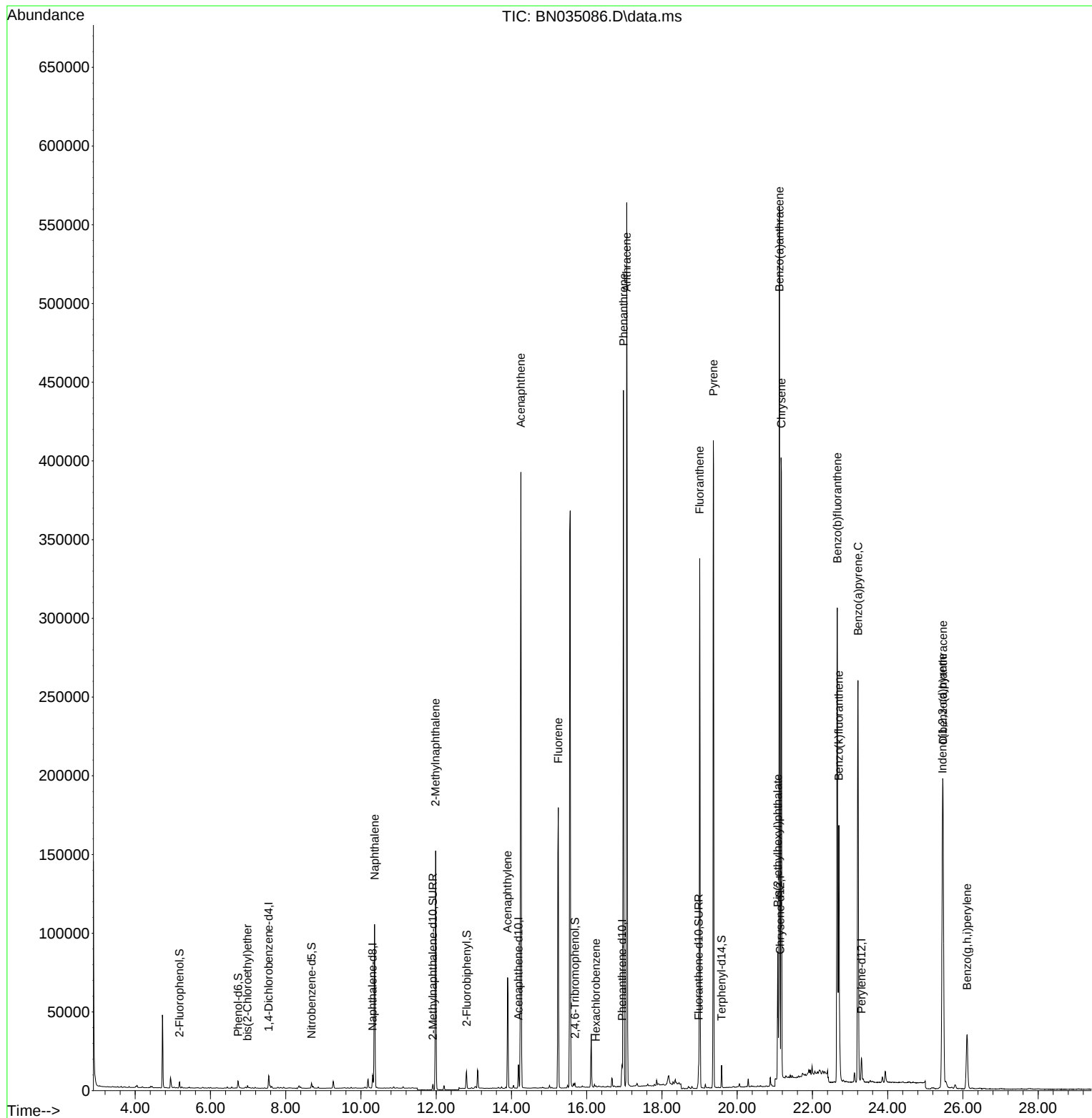
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	3754	0.400	ng	0.00
7) Naphthalene-d8	10.308	136	10271	0.400	ng	#-0.01
13) Acenaphthene-d10	14.186	164	7900	0.400	ng	0.00
19) Phenanthrene-d10	16.939	188	19410	0.400	ng	0.00
29) Chrysene-d12	21.140	240	20657	0.400	ng	# 0.00
35) Perylene-d12	23.301	264	18894	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	3074	0.323	ng	0.00
5) Phenol-d6	6.737	99	4280	0.358	ng	0.00
8) Nitrobenzene-d5	8.685	82	2617	0.293	ng	-0.01
11) 2-Methylnaphthalene-d10	11.912	152	4536	0.248	ng	0.00
14) 2,4,6-Tribromophenol	15.686	330	1323	0.232	ng	0.00
15) 2-Fluorobiphenyl	12.807	172	9035	0.282	ng	0.00
27) Fluoranthene-d10	18.976	212	16359	0.275	ng	0.00
31) Terphenyl-d14	19.584	244	13939	0.322	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	6.983	93	1225	0.137	ng	92
9) Naphthalene	10.362	128	127058	4.738	ng	97
12) 2-Methylnaphthalene	11.984	142	101061	5.108	ng	99
16) Acenaphthylene	13.898	152	78653	2.330	ng	100
17) Acenaphthene	14.250	154	187057	8.454	ng	98
18) Fluorene	15.245	166	112723	3.463	ng	99
22) Hexachlorobenzene	16.244	284	337	0.026	ng	95
25) Phenanthrene	16.977	178	410639	8.039	ng	99
26) Anthracene	17.064	178	572114	12.194	ng	99
28) Fluoranthene	19.004	202	290131	4.130	ng	100
30) Pyrene	19.366	202	361798	5.259	ng	100
32) Benzo(a)anthracene	21.122	228	427505	5.943	ng	100
33) Chrysene	21.176	228	337891	4.742	ng	99
34) Bis(2-ethylhexyl)phtha...	21.077	149	66373	1.759	ng	98
36) Indeno(1,2,3-cd)pyrene	25.455	276	207176	2.749	ng	99
37) Benzo(b)fluoranthene	22.660	252	388820	6.116	ng	96
38) Benzo(k)fluoranthene	22.701	252	191270	3.007	ng	96
39) Benzo(a)pyrene	23.210	252	339348	6.067	ng	# 94
40) Dibenzo(a,h)anthracene	25.470	278	216242	3.621	ng	99
41) Benzo(g,h,i)perylene	26.110	276	70521	1.110	ng	98

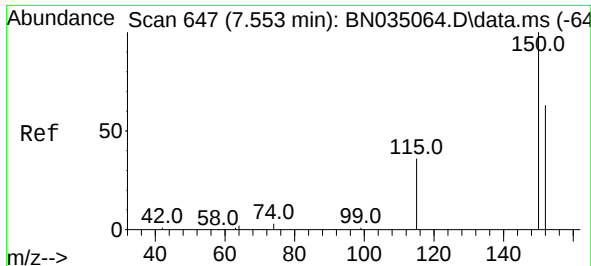
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
Data File : BN035086.D
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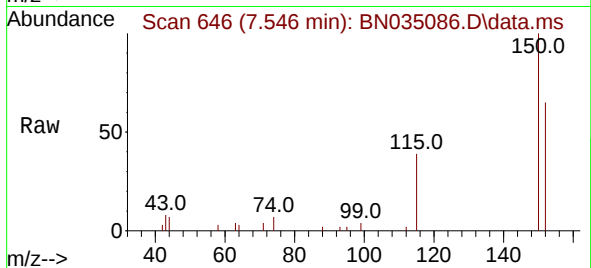
Quant Time: Nov 14 13:51:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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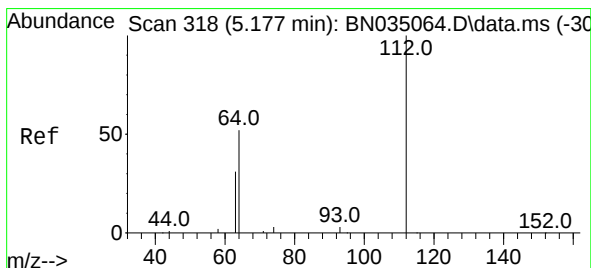
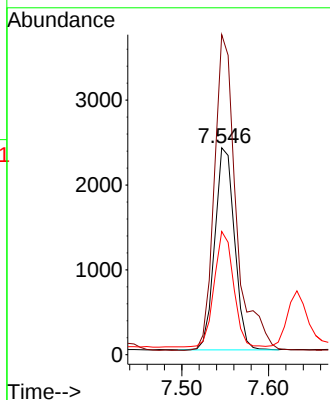
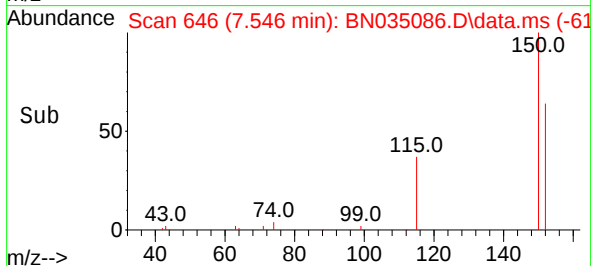


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.546 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

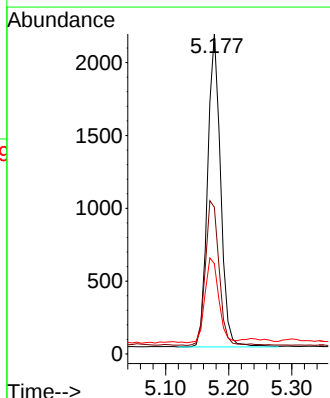
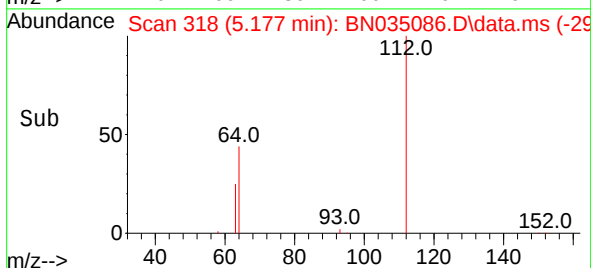
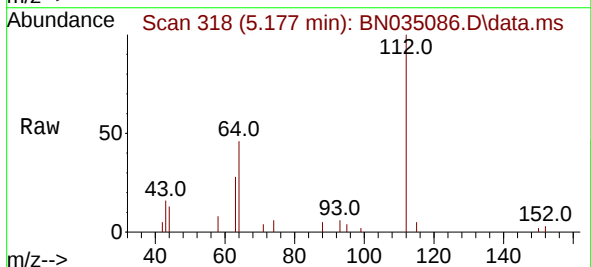


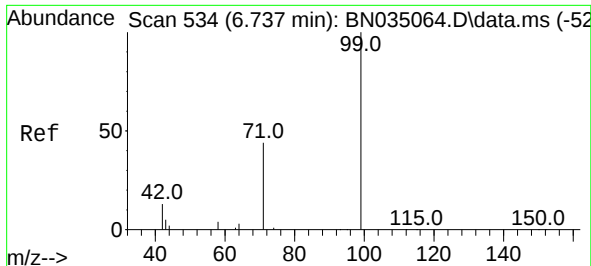
Tgt Ion:152 Resp: 3754
Ion Ratio Lower Upper
152 100
150 154.7 124.5 186.7
115 59.6 47.8 71.6



#4
2-Fluorophenol
Concen: 0.323 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:112 Resp: 3074
Ion Ratio Lower Upper
112 100
64 48.8 39.7 59.5
63 28.7 23.0 34.4

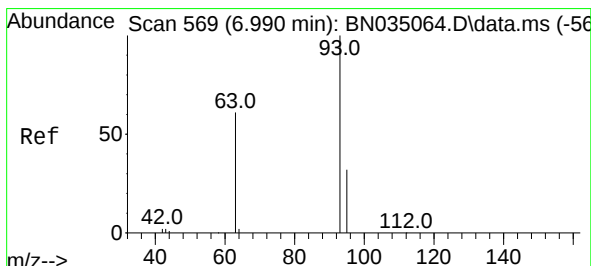
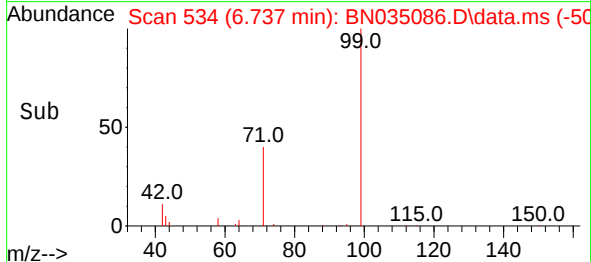
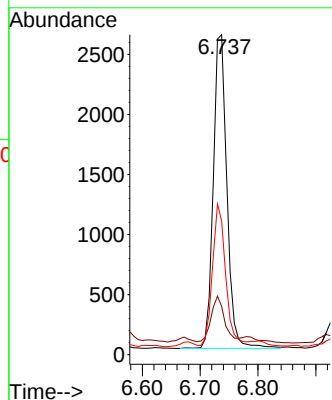
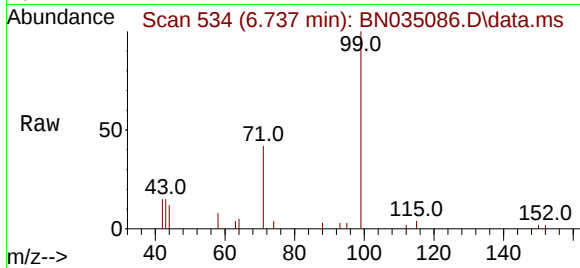




#5
Phenol-d6
Concen: 0.358 ng
RT: 6.737 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

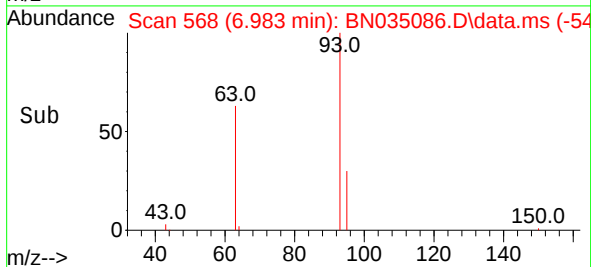
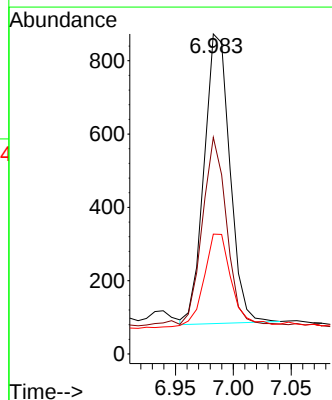
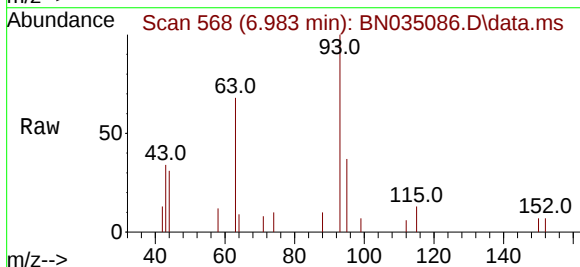
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

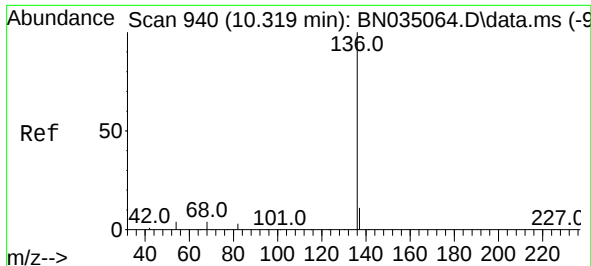
Tgt Ion: 99 Resp: 4280
Ion Ratio Lower Upper
99 100
42 14.9 11.4 17.0
71 43.2 34.6 51.8



#6
bis(2-Chloroethyl)ether
Concen: 0.137 ng
RT: 6.983 min Scan# 568
Delta R.T. -0.007 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion: 93 Resp: 1225
Ion Ratio Lower Upper
93 100
63 63.7 47.4 71.2
95 39.1 26.2 39.4

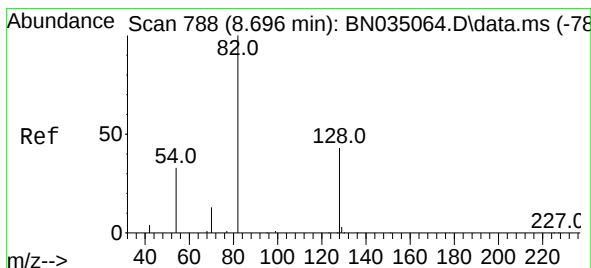
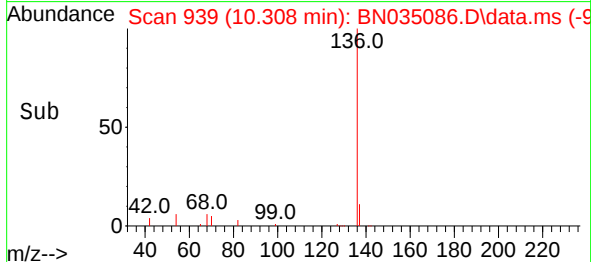
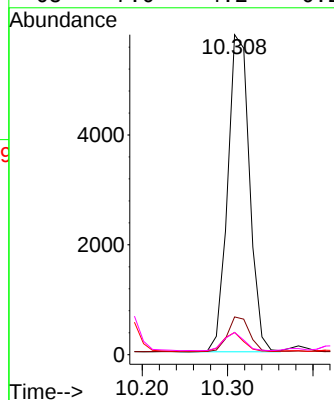
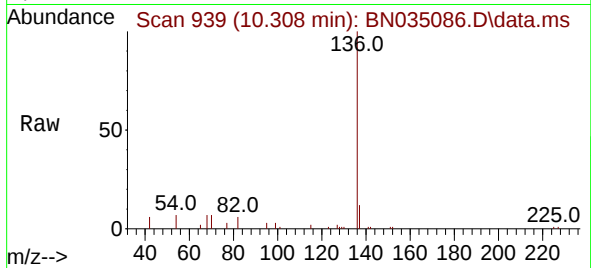




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.308 min Scan# 940
Delta R.T. -0.011 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

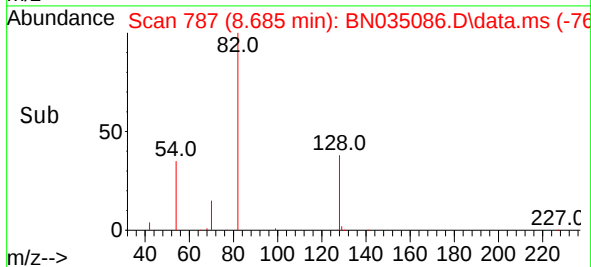
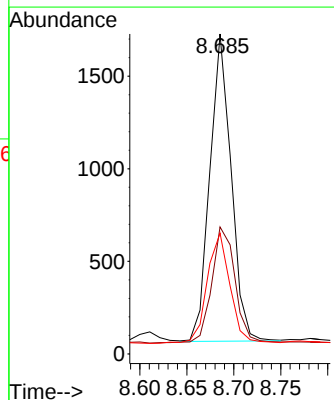
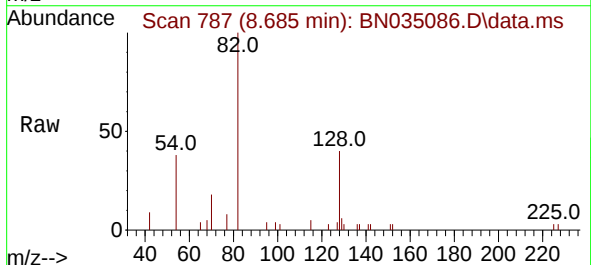
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

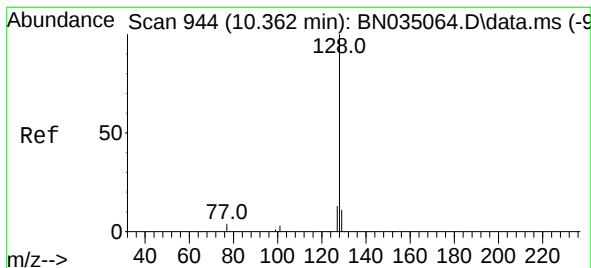
Tgt Ion:	136	Resp:	10271
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.8	14.8
54	7.0	4.0	6.0#
68	7.0	4.2	6.2#



#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 8.685 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:	82	Resp:	2617
Ion Ratio	Lower	Upper	
82	100		
128	39.7	36.5	54.7
54	37.7	28.7	43.1





#9

Naphthalene

Concen: 4.738 ng

RT: 10.362 min Scan# 944

Delta R.T. -0.000 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

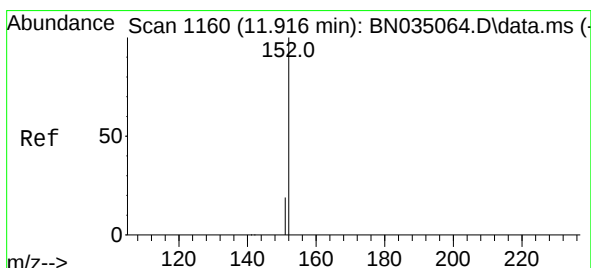
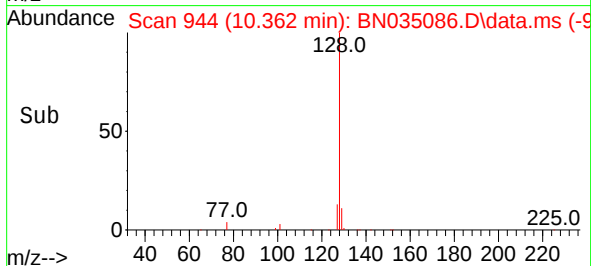
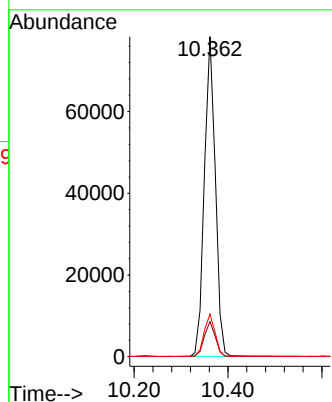
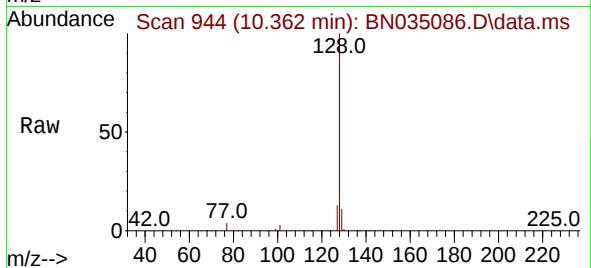
Tgt Ion:128 Resp: 127058

Ion Ratio Lower Upper

128 100

129 10.9 9.6 14.4

127 13.3 11.6 17.4



#11

2-Methylnaphthalene-d10

Concen: 0.248 ng

RT: 11.912 min Scan# 1159

Delta R.T. -0.004 min

Lab File: BN035086.D

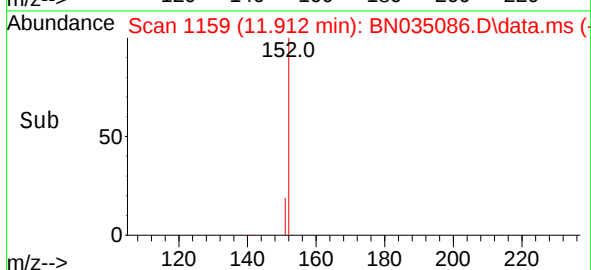
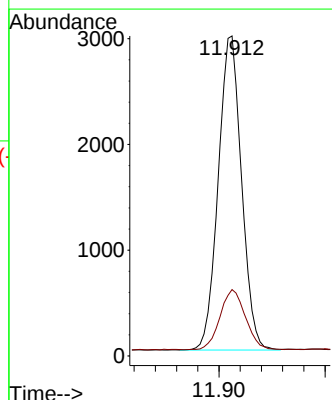
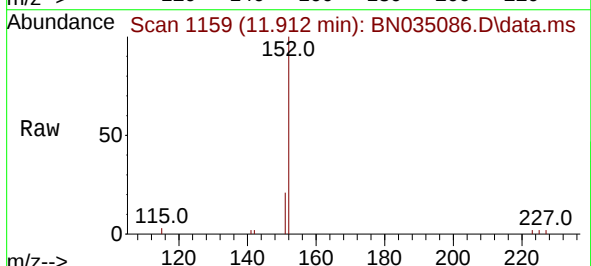
Acq: 14 Nov 2024 13:22

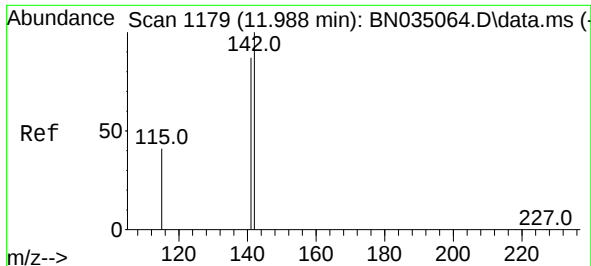
Tgt Ion:152 Resp: 4536

Ion Ratio Lower Upper

152 100

151 20.9 16.2 24.4





#12

2-Methylnaphthalene

Concen: 5.108 ng

RT: 11.984 min Scan# 1178

Delta R.T. -0.004 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

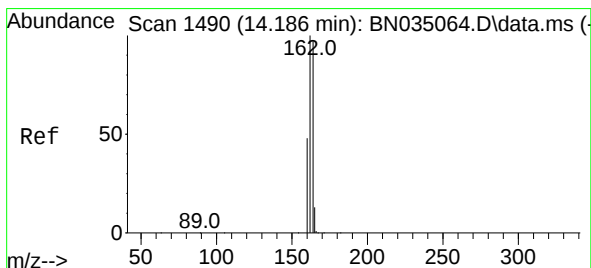
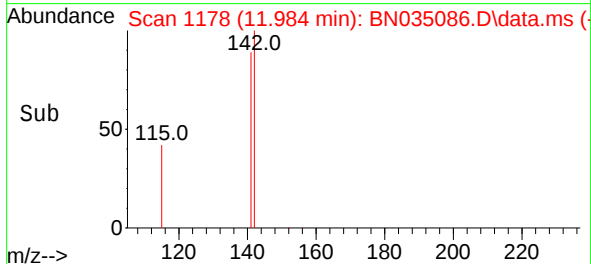
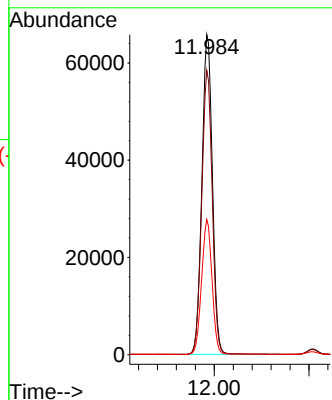
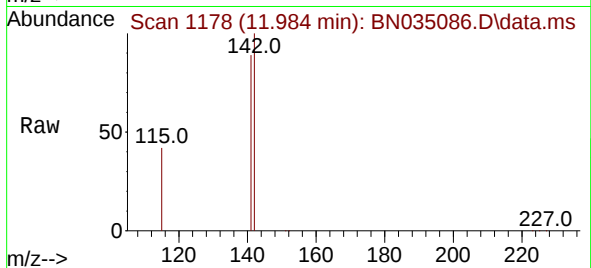
Tgt Ion:142 Resp: 101061

Ion Ratio Lower Upper

142 100

141 88.9 70.1 105.1

115 42.2 34.4 51.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.186 min Scan# 1490

Delta R.T. -0.000 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

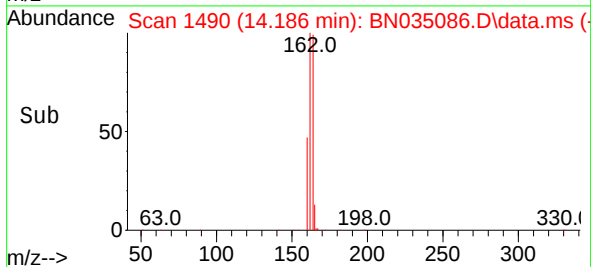
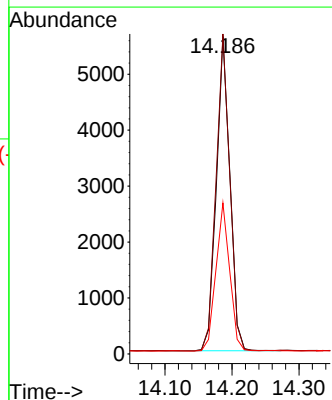
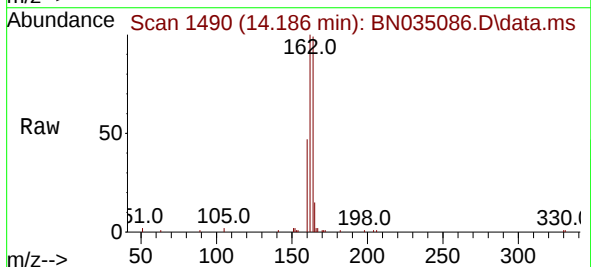
Tgt Ion:164 Resp: 7900

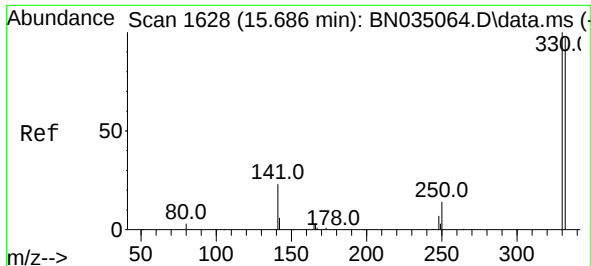
Ion Ratio Lower Upper

164 100

162 100.8 82.2 123.2

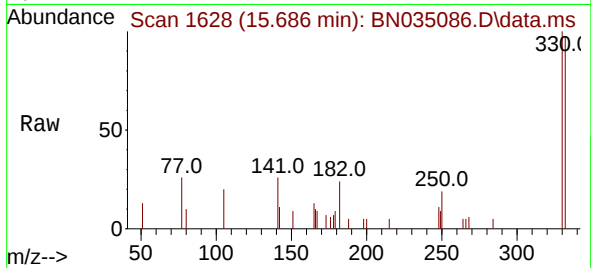
160 47.6 40.2 60.4



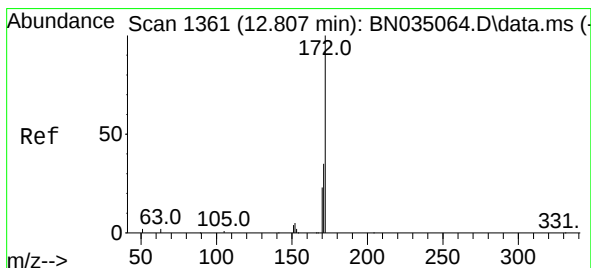
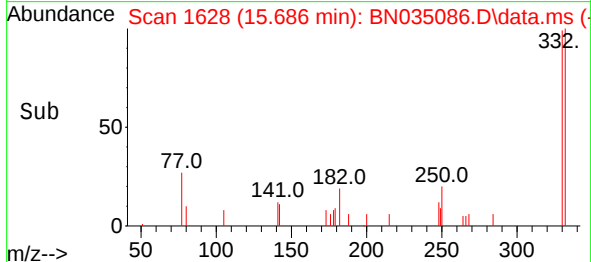
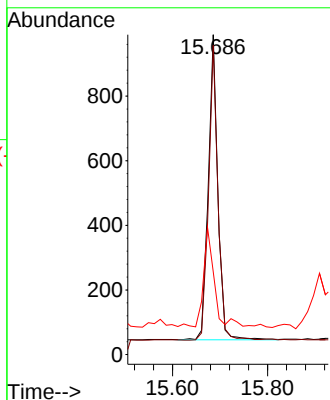


#14
2,4,6-Tribromophenol
Concen: 0.232 ng
RT: 15.686 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Instrument :
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ClientSampleId :
PT-PAH-SOIL

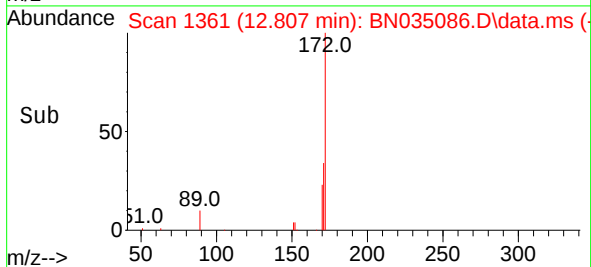
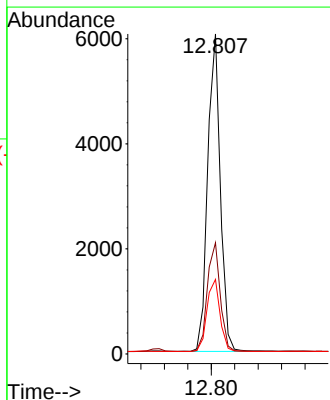
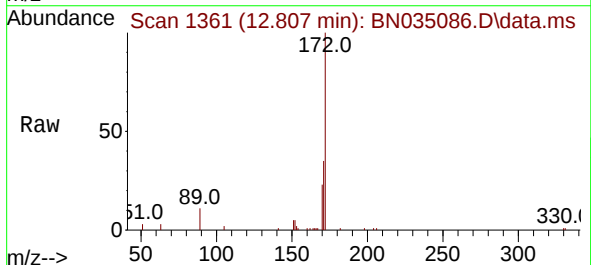


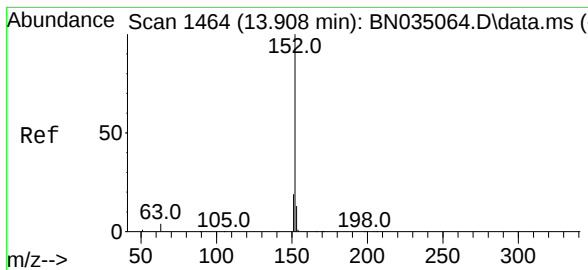
Tgt Ion:330 Resp: 1323
Ion Ratio Lower Upper
330 100
332 94.7 76.9 115.3
141 32.1 29.6 44.4



#15
2-Fluorobiphenyl
Concen: 0.282 ng
RT: 12.807 min Scan# 1361
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:172 Resp: 9035
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 23.3 19.0 28.6

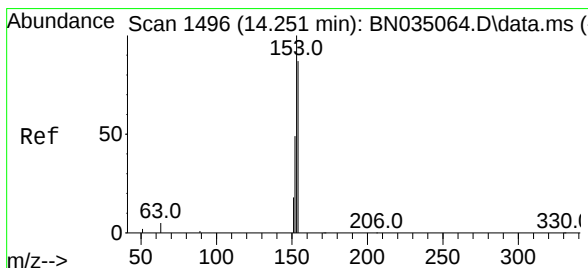
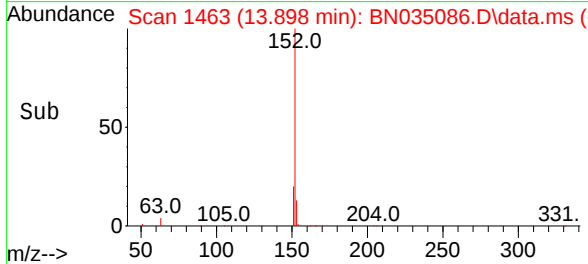
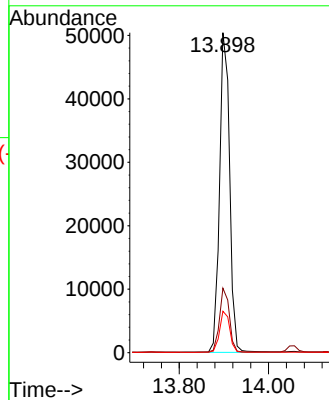
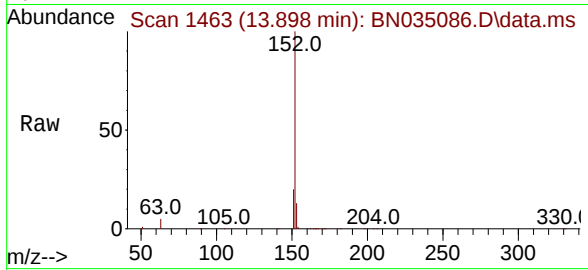




#16
Acenaphthylene
Concen: 2.330 ng
RT: 13.898 min Scan# 1463
Delta R.T. -0.011 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

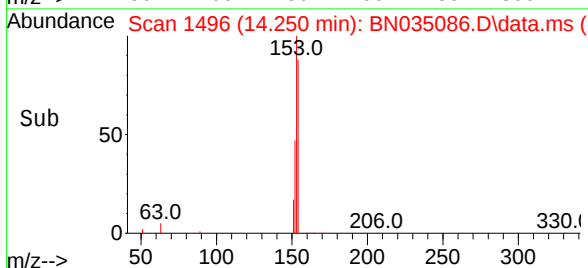
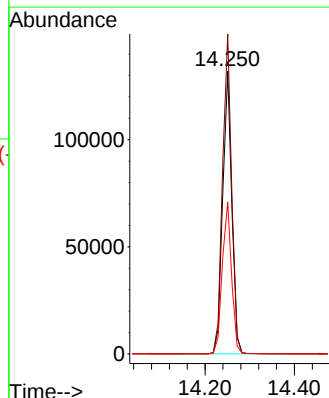
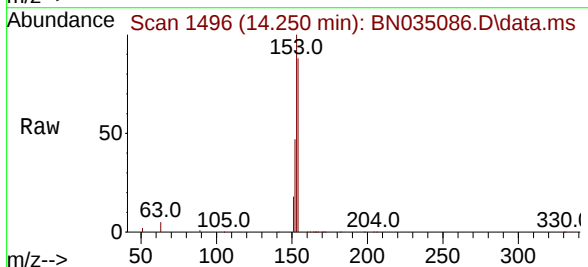
Instrument :
BNA_N
ClientSampleId :
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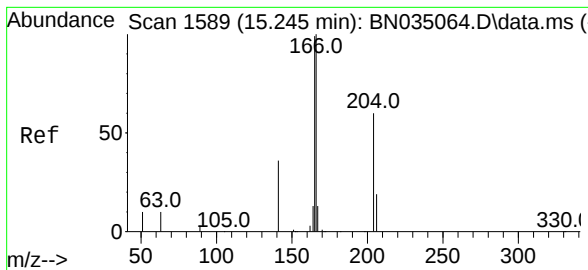
Tgt Ion:152 Resp: 78653
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.1 10.2 15.4



#17
Acenaphthene
Concen: 8.454 ng
RT: 14.250 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:154 Resp: 187057
Ion Ratio Lower Upper
154 100
153 113.7 91.6 137.4
152 54.9 45.8 68.6





#18

Fluorene

Concen: 3.463 ng

RT: 15.245 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

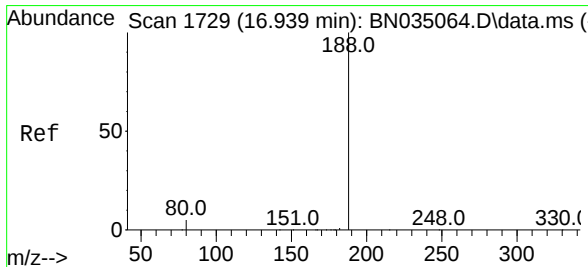
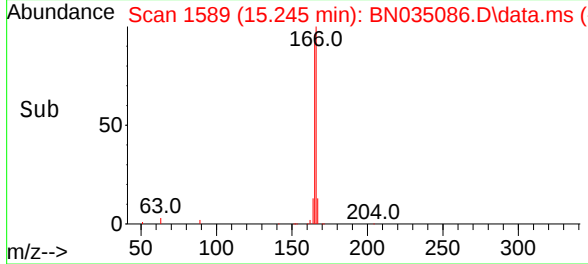
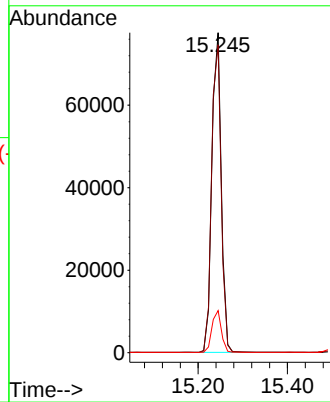
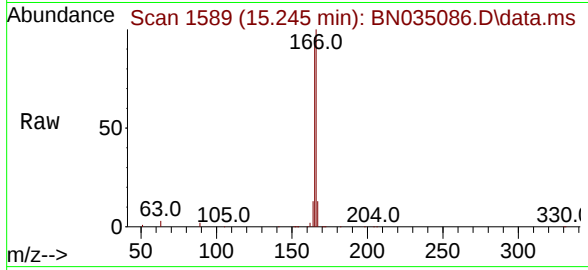
Tgt Ion:166 Resp: 112723

Ion Ratio Lower Upper

166 100

165 98.1 79.1 118.7

167 13.2 10.6 16.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.939 min Scan# 1729

Delta R.T. -0.000 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

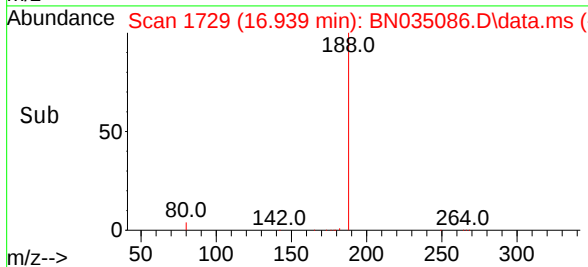
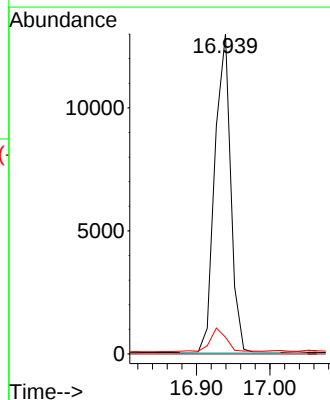
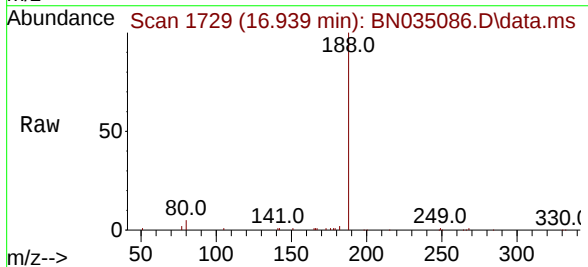
Tgt Ion:188 Resp: 19410

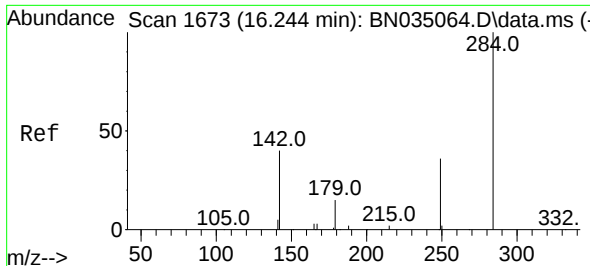
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.3 4.3 6.5

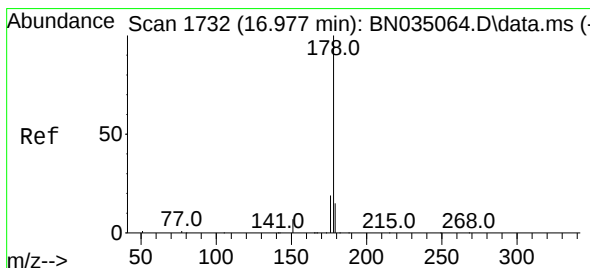
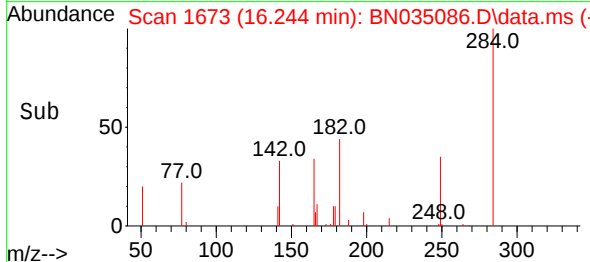
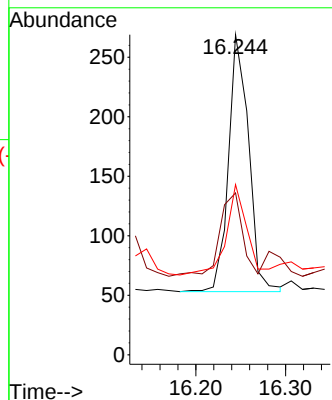
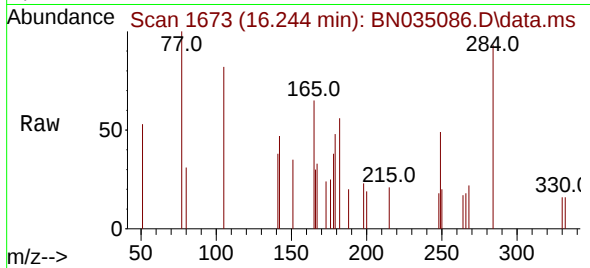




#22
Hexachlorobenzene
Concen: 0.026 ng
RT: 16.244 min Scan# 1673
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

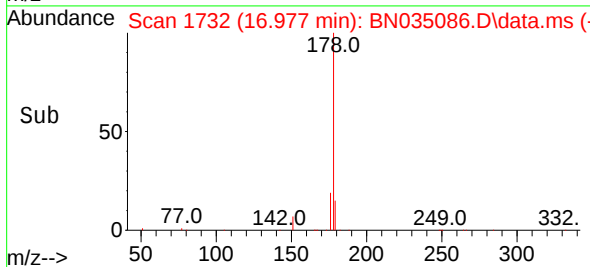
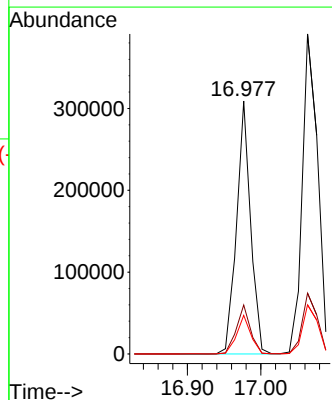
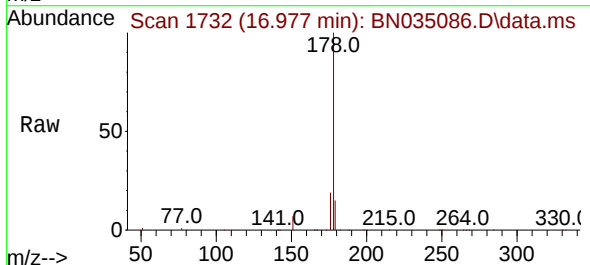
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

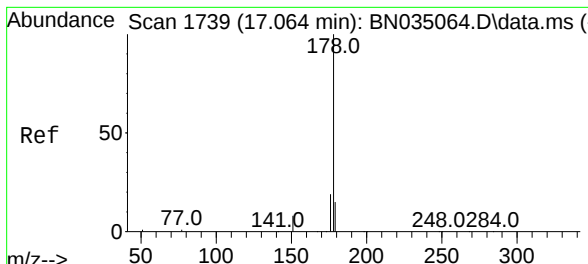
Tgt Ion:284 Resp: 337
Ion Ratio Lower Upper
284 100
142 38.3 28.2 42.4
249 35.9 26.2 39.2



#25
Phenanthrene
Concen: 8.039 ng
RT: 16.977 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:178 Resp: 410639
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.3 12.6 18.8



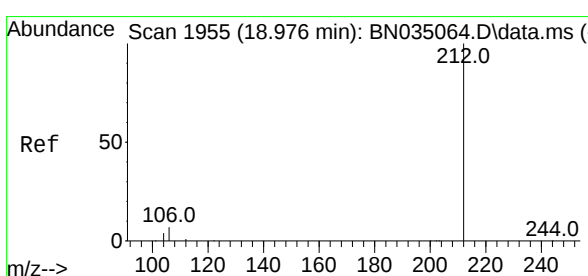
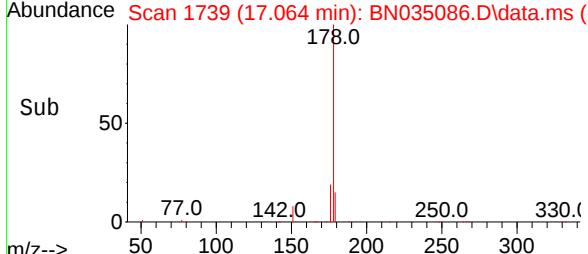
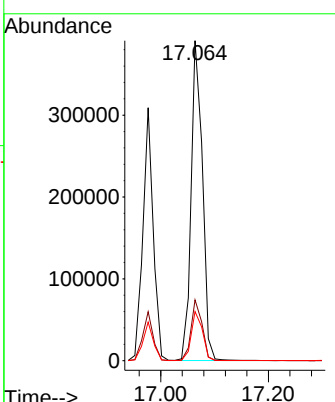
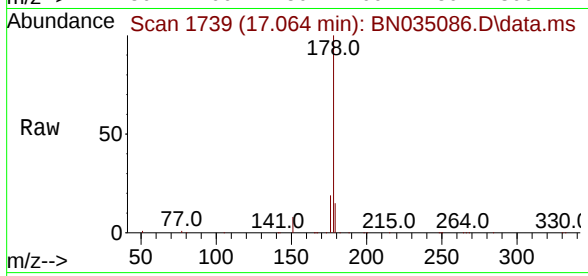


#26
 Anthracene
 Concen: 12.194 ng
 RT: 17.064 min Scan# 1739
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:178 Resp: 572114

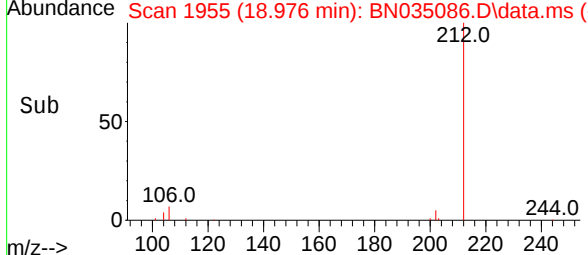
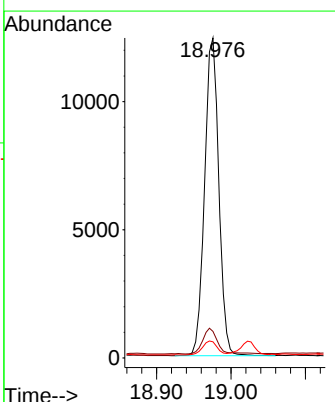
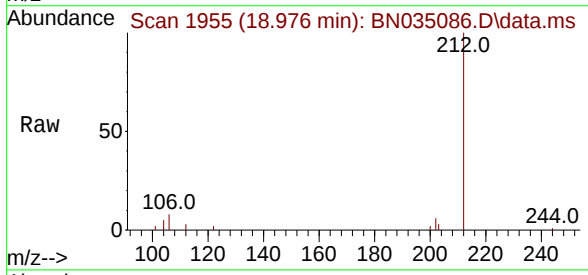
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.3	12.2	18.2

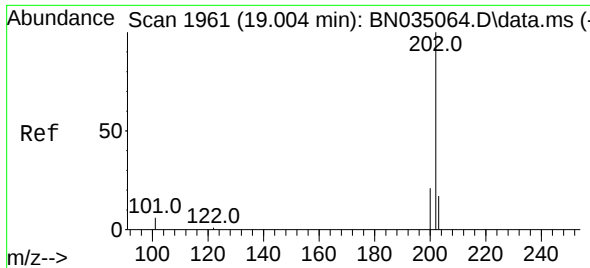


#27
 Fluoranthene-d10
 Concen: 0.275 ng
 RT: 18.976 min Scan# 1955
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Tgt Ion:212 Resp: 16359

Ion	Ratio	Lower	Upper
212	100		
106	8.5	6.0	9.0
104	4.6	3.5	5.3

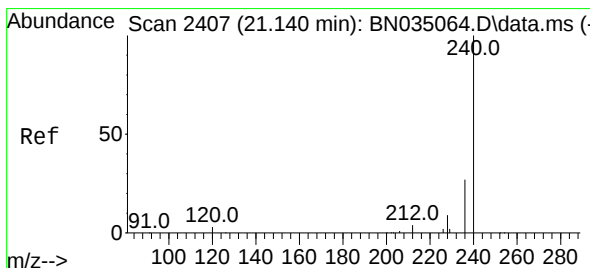
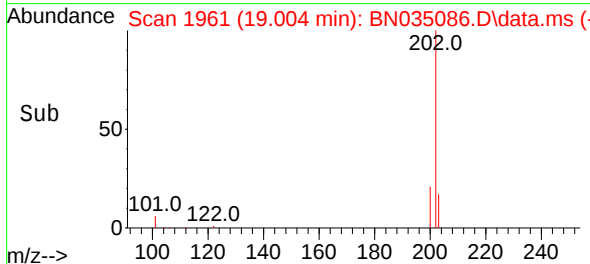
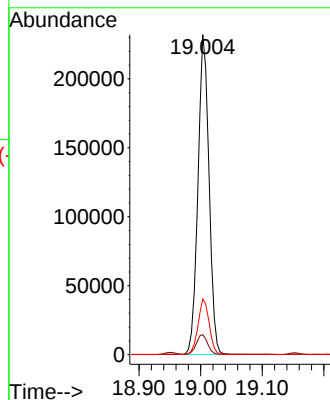
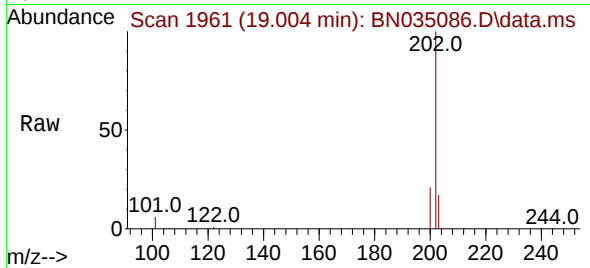




#28
Fluoranthene
Concen: 4.130 ng
RT: 19.004 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

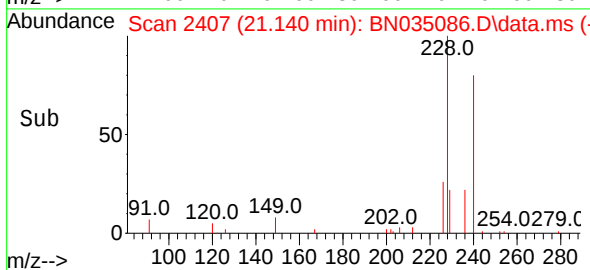
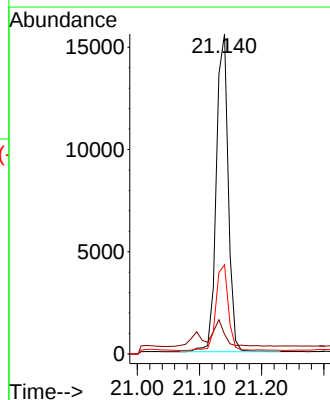
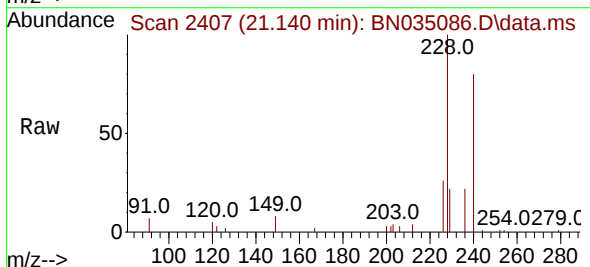
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

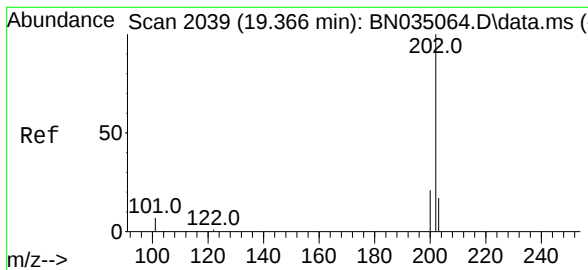
Tgt Ion:202 Resp: 290131
Ion Ratio Lower Upper
202 100
101 6.5 5.2 7.8
203 17.3 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.140 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:240 Resp: 20657
Ion Ratio Lower Upper
240 100
120 6.1 3.8 5.6#
236 27.9 22.2 33.2





#30

Pyrene

Concen: 5.259 ng

RT: 19.366 min Scan# 2039

Delta R.T. -0.000 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

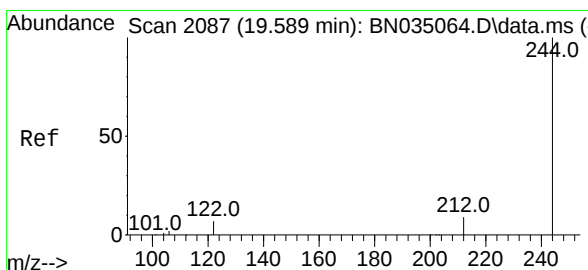
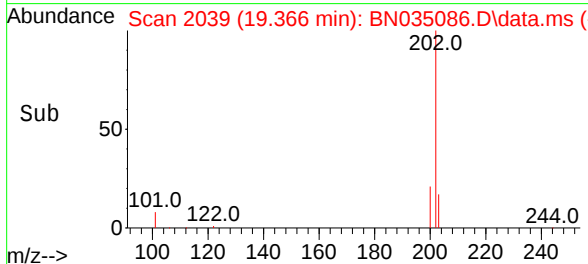
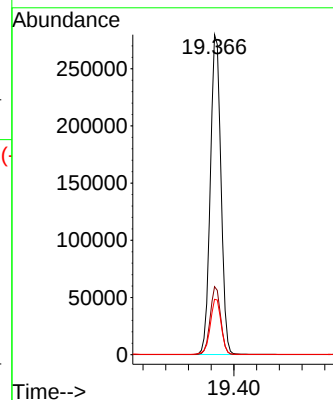
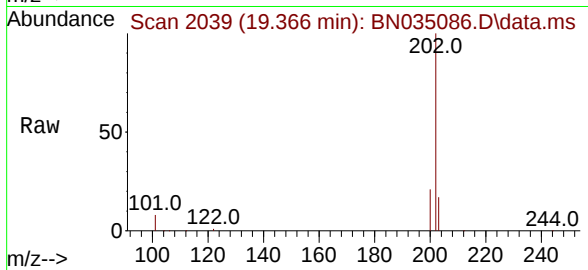
Tgt Ion:202 Resp: 361798

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.8 14.2 21.4



#31

Terphenyl-d14

Concen: 0.322 ng

RT: 19.584 min Scan# 2086

Delta R.T. -0.005 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

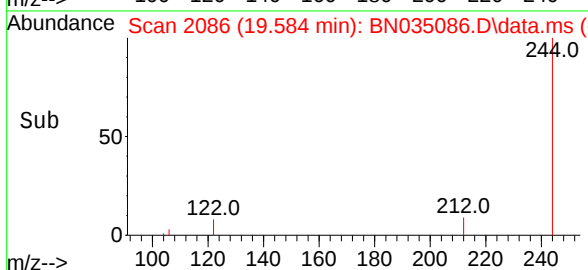
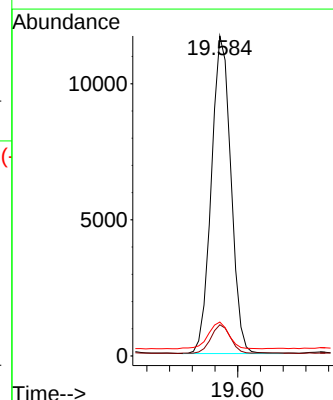
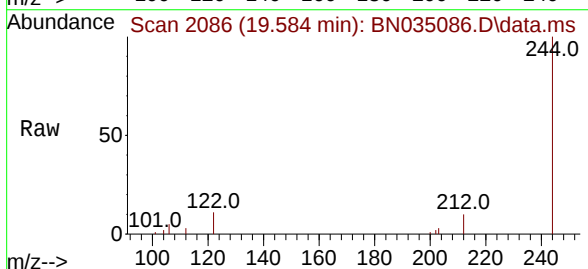
Tgt Ion:244 Resp: 13939

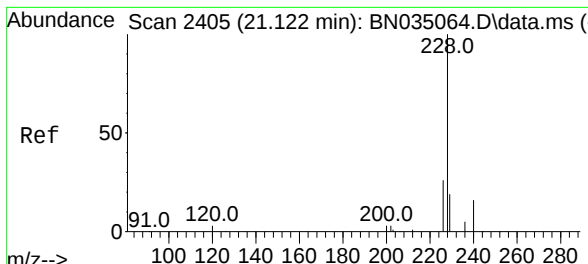
Ion Ratio Lower Upper

244 100

212 9.8 7.6 11.4

122 10.6 6.1 9.1#



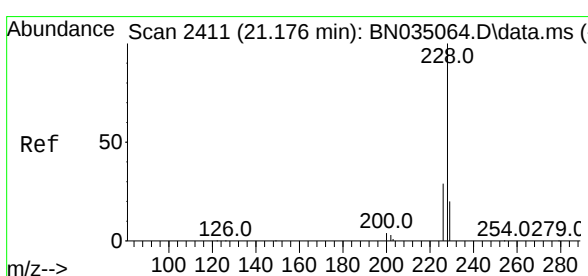
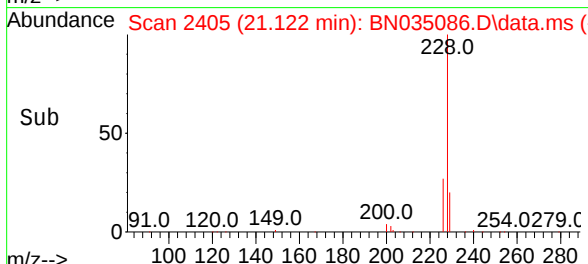
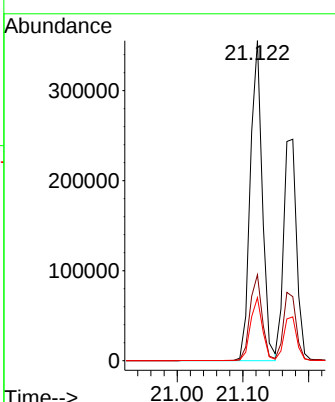
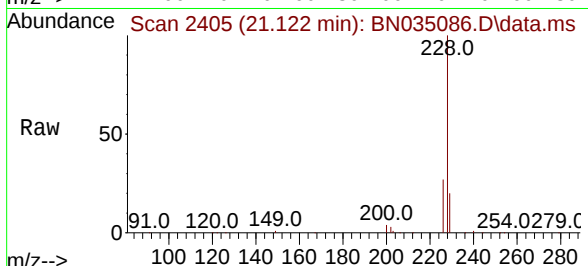


#32
 Benzo(a)anthracene
 Concen: 5.943 ng
 RT: 21.122 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:228 Resp: 427505

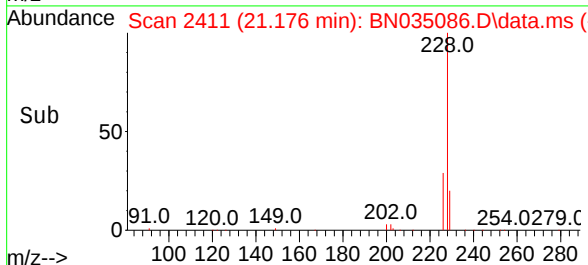
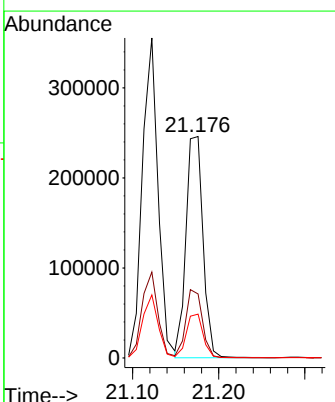
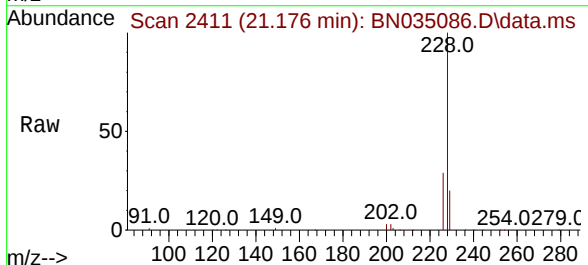
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.0
229	19.7	15.7	23.5

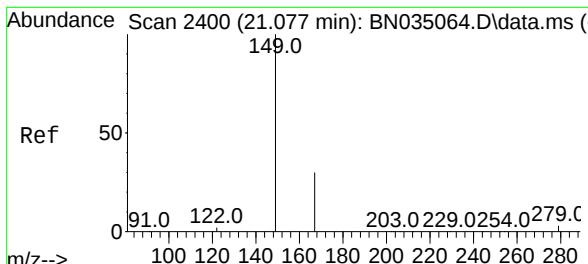


#33
 Chrysene
 Concen: 4.742 ng
 RT: 21.176 min Scan# 2411
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Tgt Ion:228 Resp: 337891

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.7	35.5
229	19.8	16.2	24.4

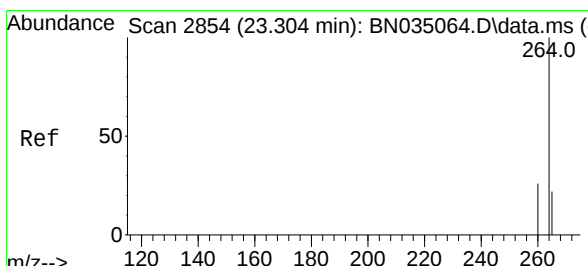
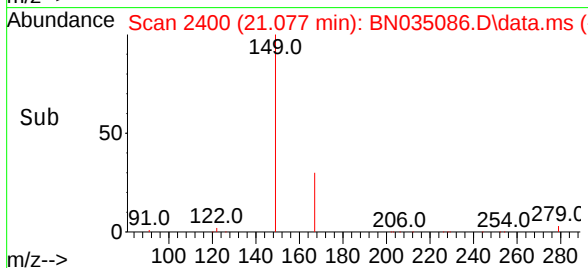
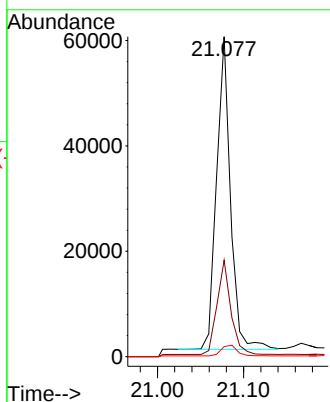
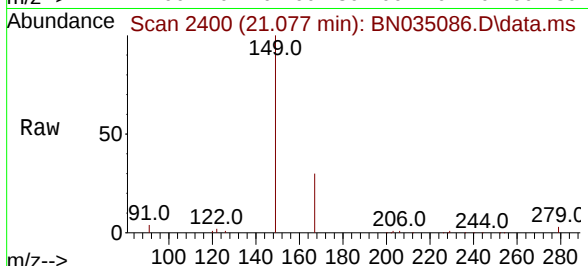




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.759 ng
 RT: 21.077 min Scan# 2400
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

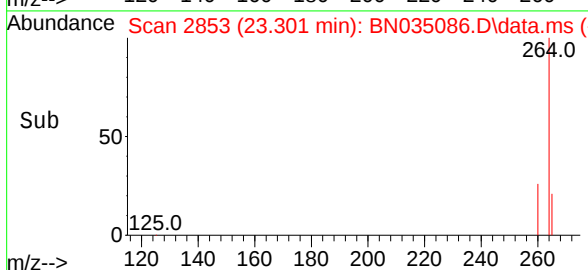
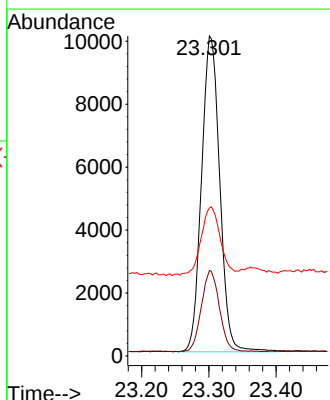
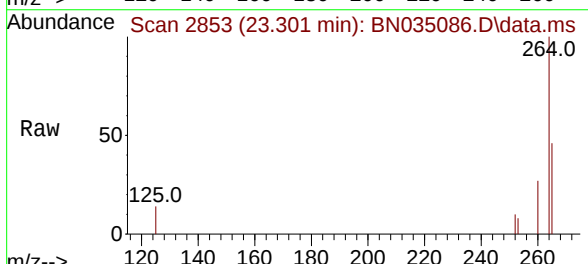
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

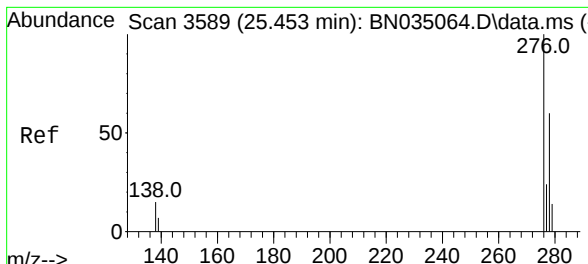
Tgt Ion:	149	Resp:	66373
Ion Ratio	Lower	Upper	
149	100		
167	29.9	23.2	34.8
279	3.9	3.2	4.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.301 min Scan# 2853
 Delta R.T. -0.003 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Tgt Ion:	264	Resp:	18894
Ion Ratio	Lower	Upper	
264	100		
260	26.7	20.9	31.3
265	46.3	35.4	53.2



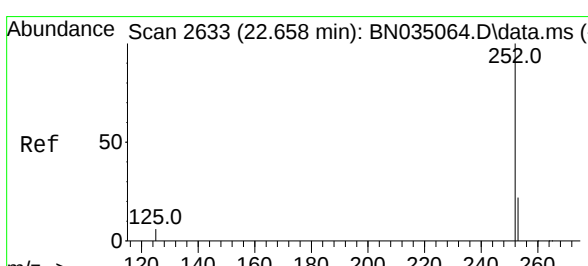
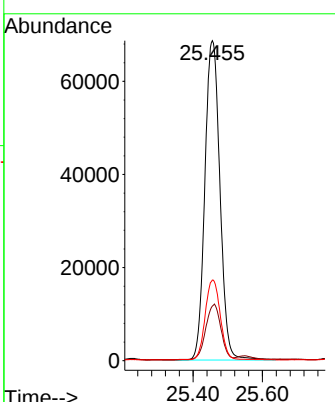
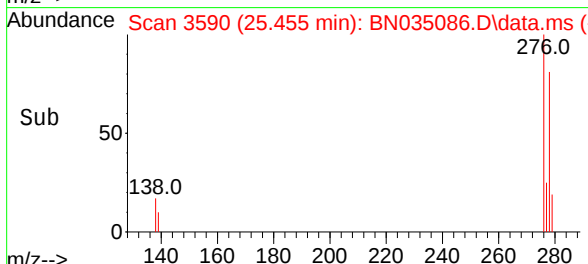
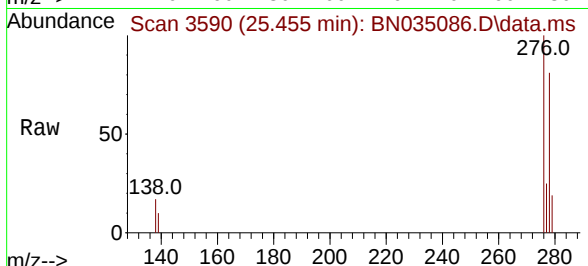


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.749 ng
 RT: 25.455 min Scan# 3589
 Delta R.T. 0.003 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:276 Resp: 207176

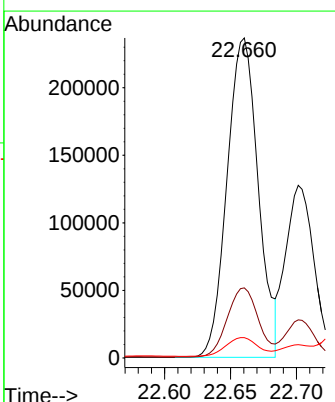
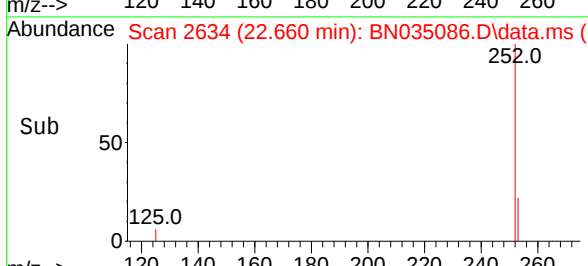
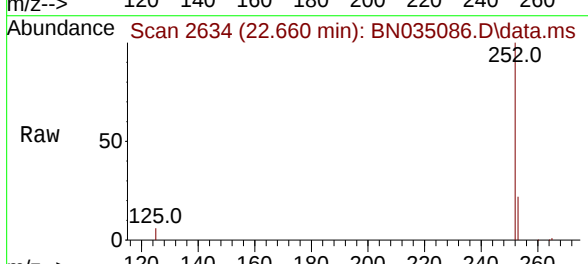
Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.0	19.4
277	24.9	19.8	29.6

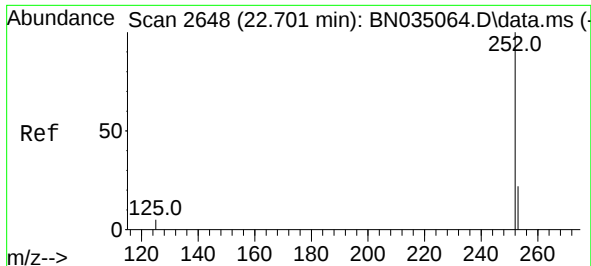


#37
 Benzo(b)fluoranthene
 Concen: 6.116 ng
 RT: 22.660 min Scan# 2634
 Delta R.T. 0.003 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Tgt Ion:252 Resp: 388820

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.3	28.9
125	6.4	6.2	9.2





#38

Benzo(k)fluoranthene

Concen: 3.007 ng

RT: 22.701 min Scan# 2648

Delta R.T. -0.000 min

Lab File: BN035086.D

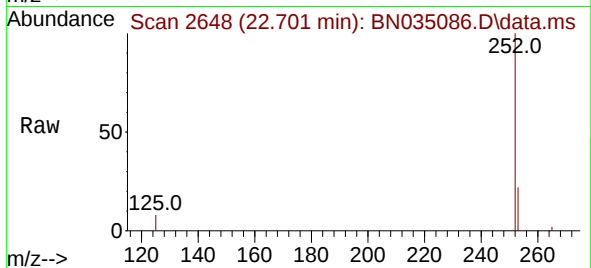
Acq: 14 Nov 2024 13:22

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL



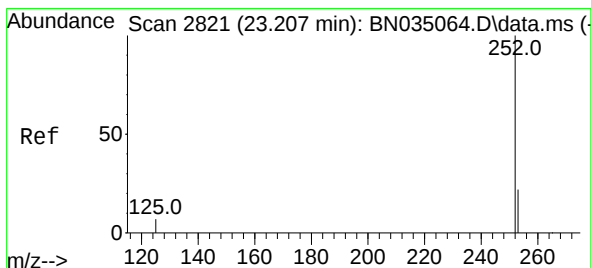
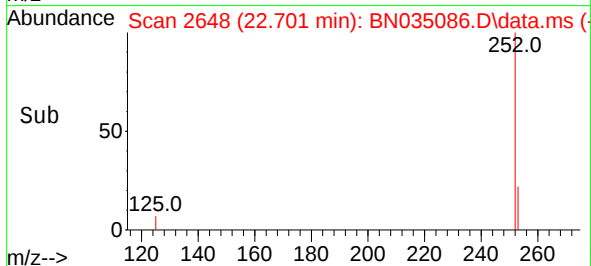
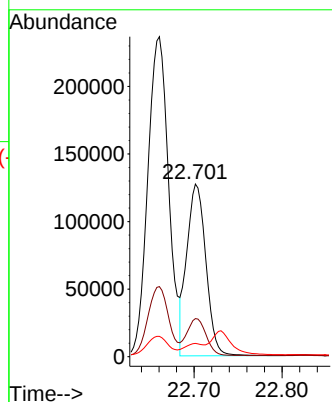
Tgt Ion:252 Resp: 191270

Ion Ratio Lower Upper

252 100

253 22.1 19.5 29.3

125 7.7 6.5 9.7



#39

Benzo(a)pyrene

Concen: 6.067 ng

RT: 23.210 min Scan# 2822

Delta R.T. 0.003 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

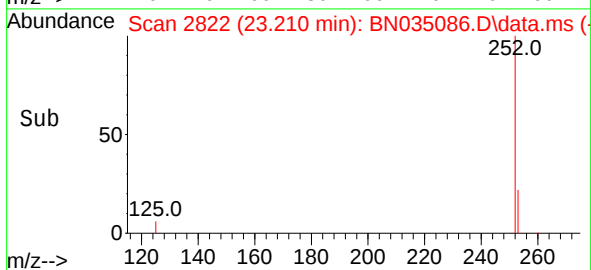
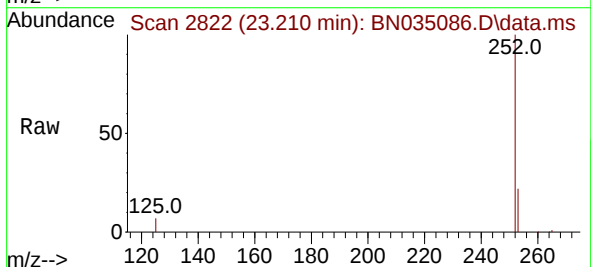
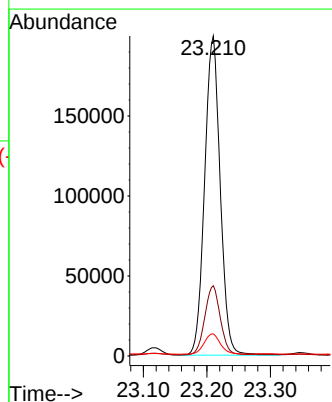
Tgt Ion:252 Resp: 339348

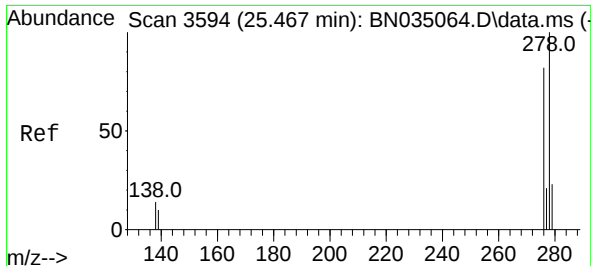
Ion Ratio Lower Upper

252 100

253 22.0 20.1 30.1

125 6.9 7.5 11.3#

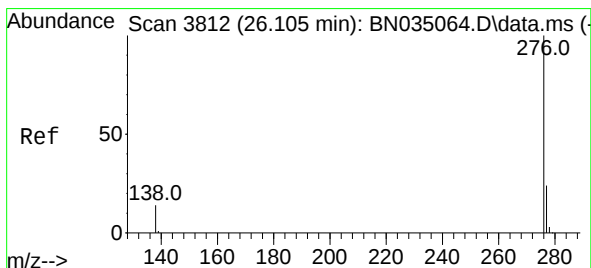
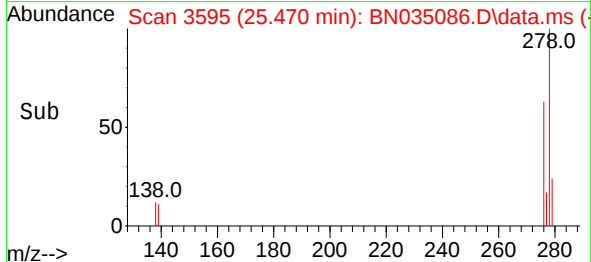
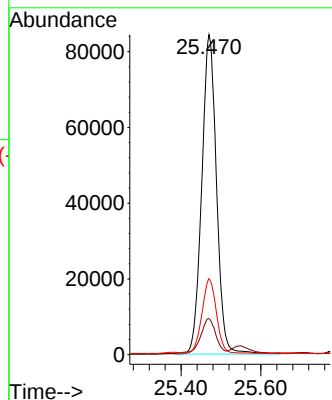
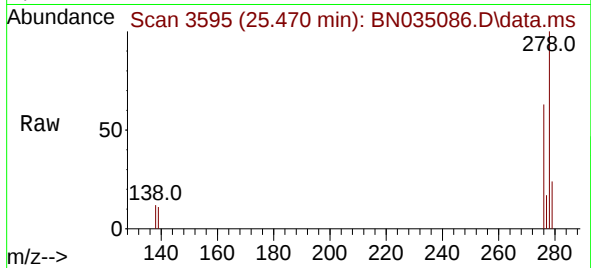




#40
Dibenzo(a,h)anthracene
Concen: 3.621 ng
RT: 25.470 min Scan# 3594
Delta R.T. 0.003 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:278 Resp: 216242
Ion Ratio Lower Upper
278 100
139 11.2 9.3 13.9
279 23.8 19.7 29.5



#41
Benzo(g,h,i)perylene
Concen: 1.110 ng
RT: 26.110 min Scan# 3814
Delta R.T. 0.006 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Tgt Ion:276 Resp: 70521
Ion Ratio Lower Upper
276 100
277 23.7 19.9 29.9
138 14.7 11.6 17.4

