

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

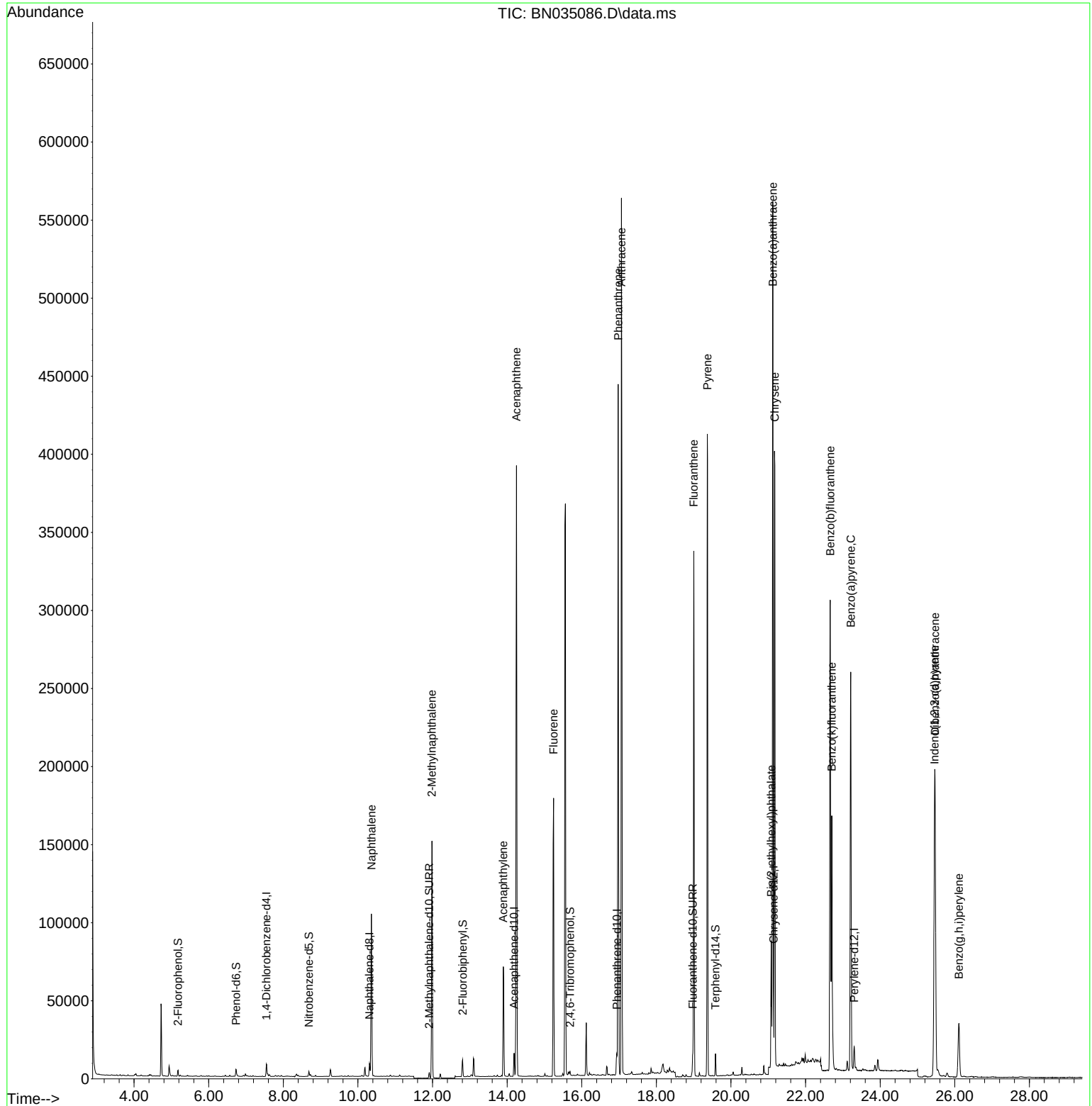
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	3754	0.400	ng	0.00
7) Naphthalene-d8	10.308	136	10271	0.400	ng	#-0.01
13) Acenaphthene-d10	14.186	164	7900	0.400	ng	0.00
19) Phenanthrene-d10	16.939	188	19410	0.400	ng	0.00
29) Chrysene-d12	21.140	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						
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
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

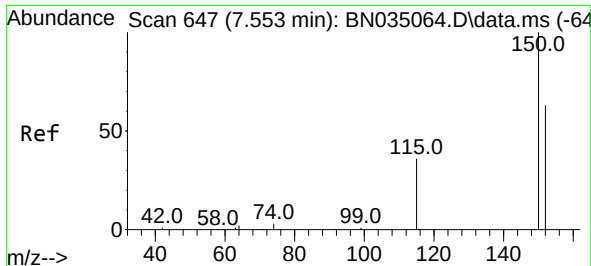
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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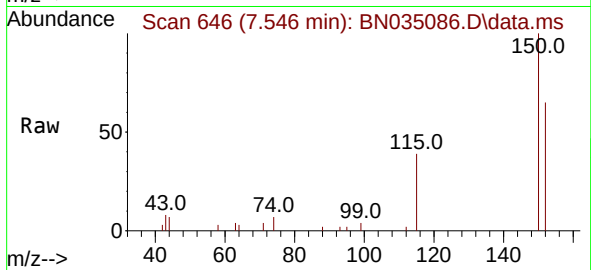
Quant Time: Nov 14 13:51:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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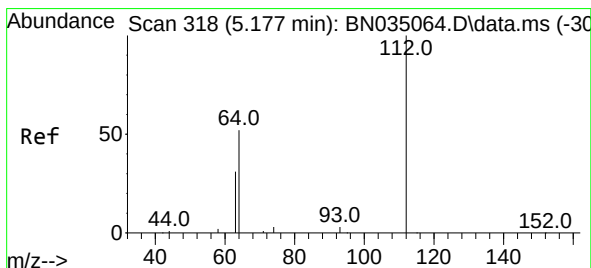
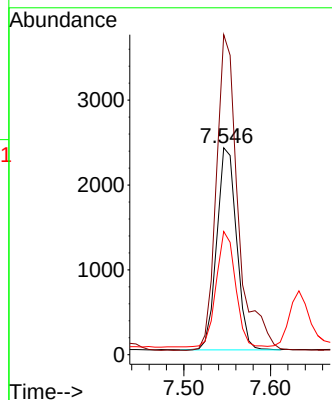
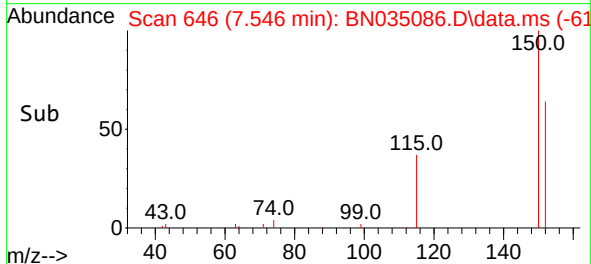


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.546 min Scan# 647
Delta R.T. -0.007 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

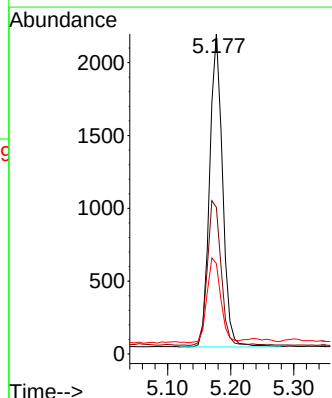
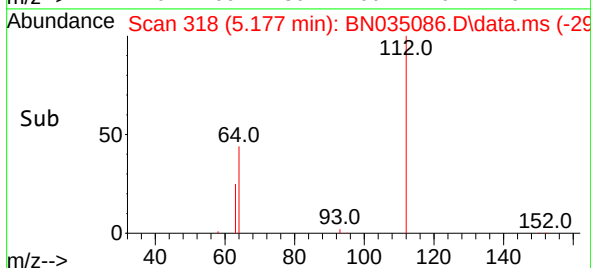
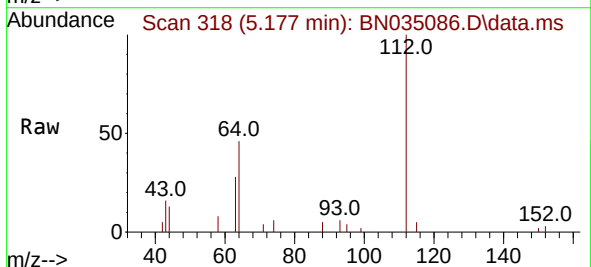


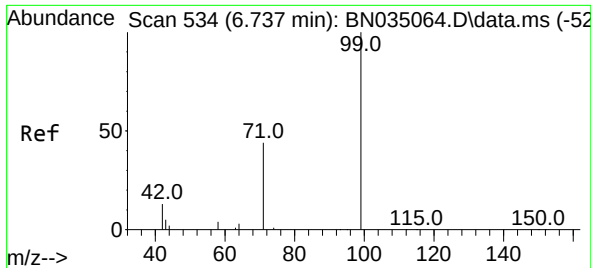
Tgt Ion:152 Resp: 3754
Ion Ratio Lower Upper
152 100
150 154.7 124.5 186.7
115 59.6 47.8 71.6



#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

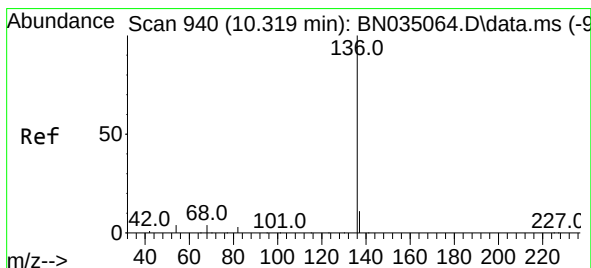
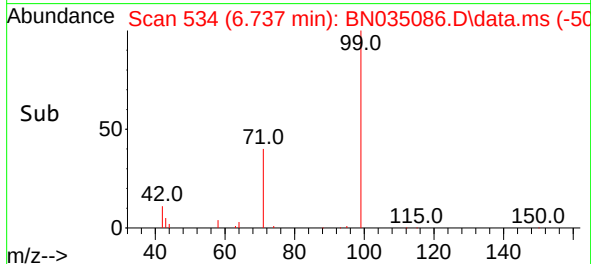
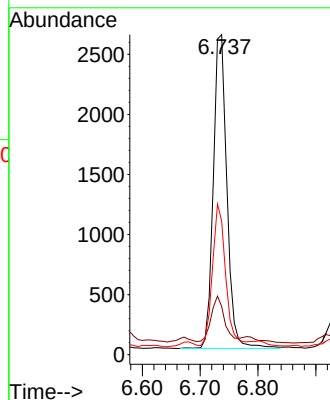
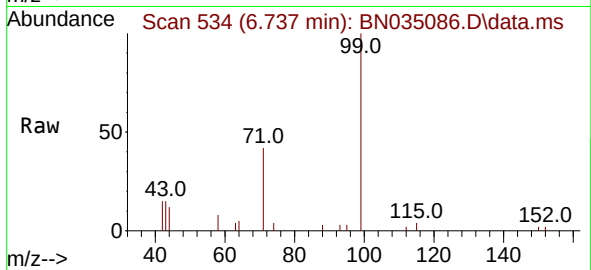




#5
Phenol-d6
Concen: 0.358 ng
RT: 6.737 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

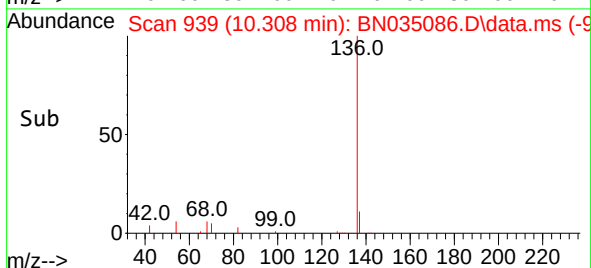
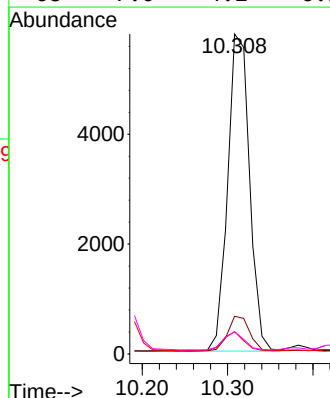
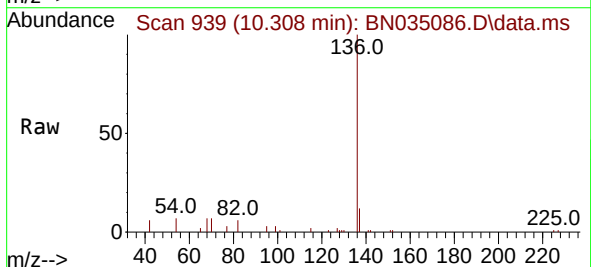
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

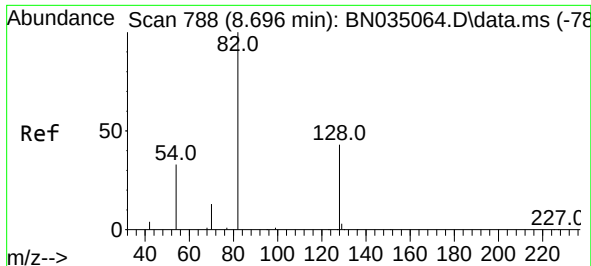
Tgt Ion: 99 Resp: 4280
Ion Ratio Lower Upper
99 100
42 14.9 11.4 17.0
71 43.2 34.6 51.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.308 min Scan# 939
Delta R.T. -0.011 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

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#

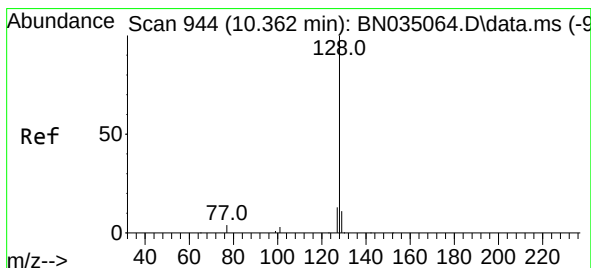
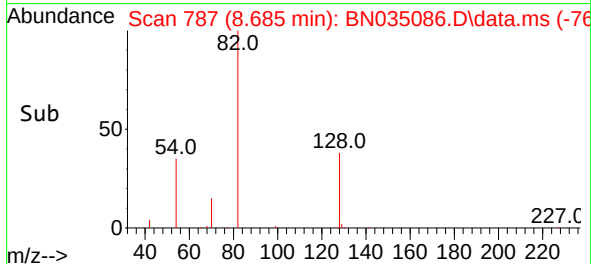
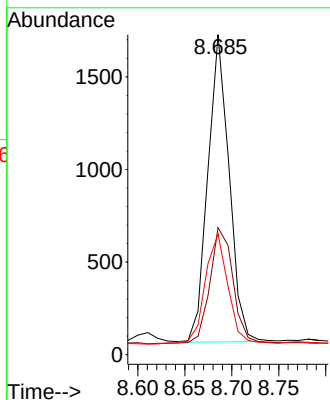
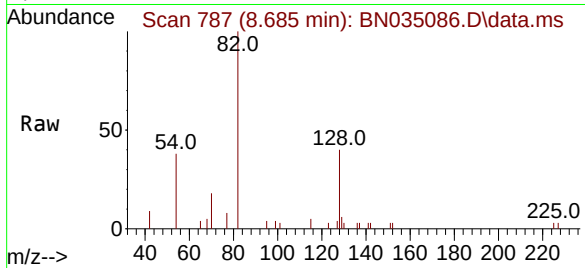




#8
Nitrobenzene-d5
Concen: 0.293 ng
RT: 8.685 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

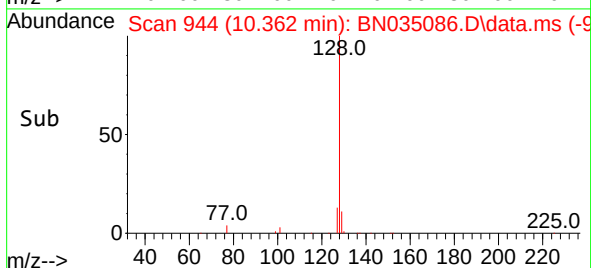
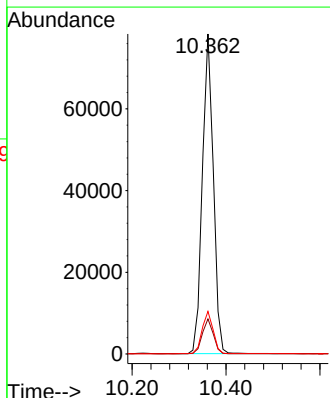
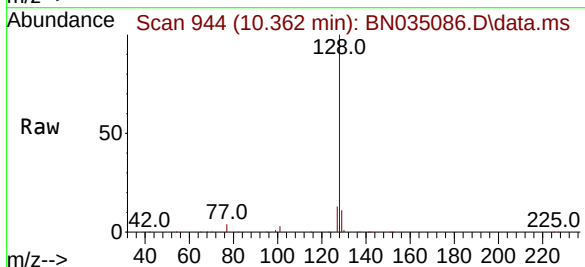
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

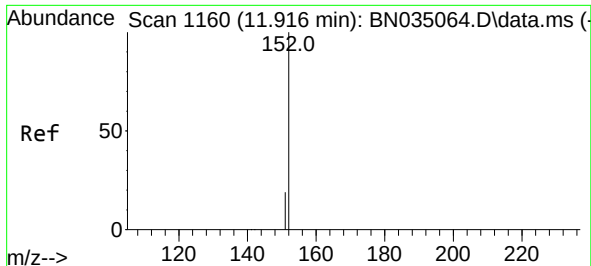
Tgt Ion: 82 Resp: 2617
Ion Ratio Lower Upper
82 100
128 39.7 36.5 54.7
54 37.7 28.7 43.1



#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

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

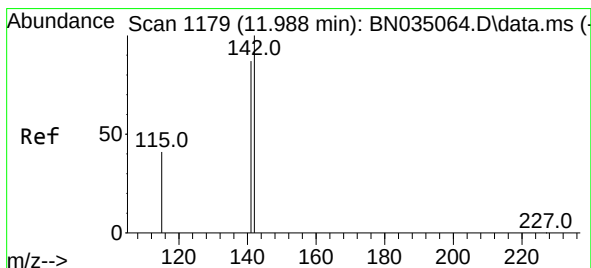
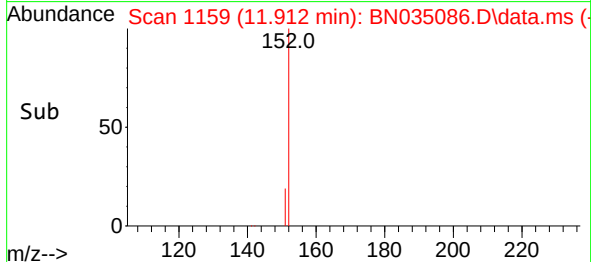
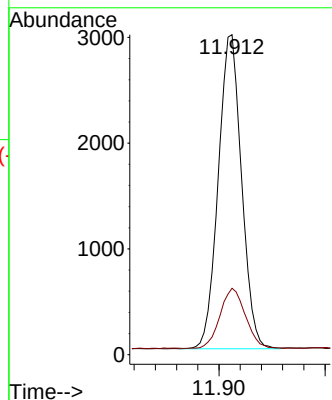
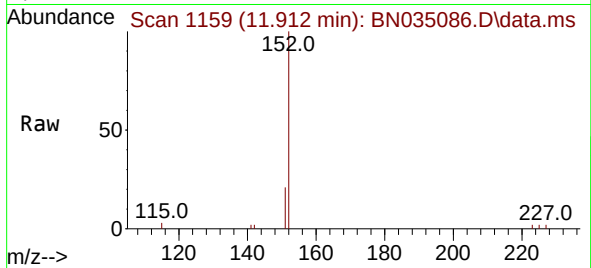




#11
2-Methylnaphthalene-d10
Concen: 0.248 ng
RT: 11.912 min Scan# 1159
Delta R.T. -0.004 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

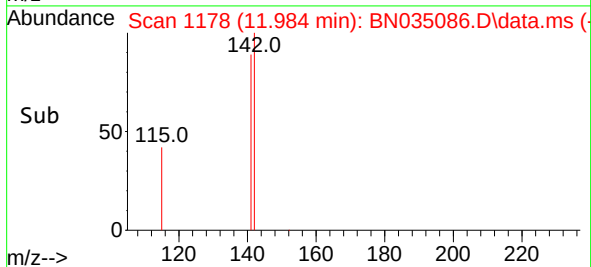
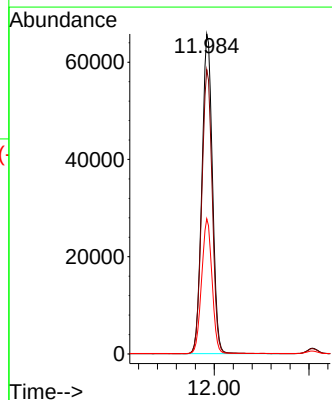
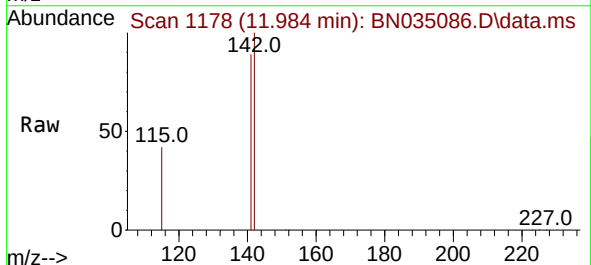
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

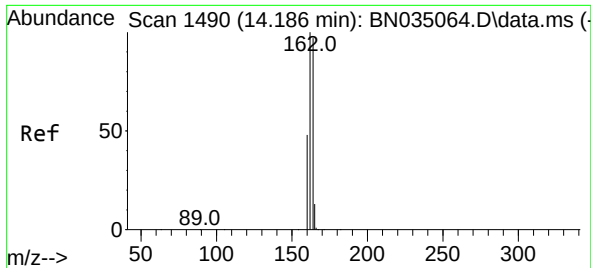
Tgt Ion:152 Resp: 4536
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4



#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

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



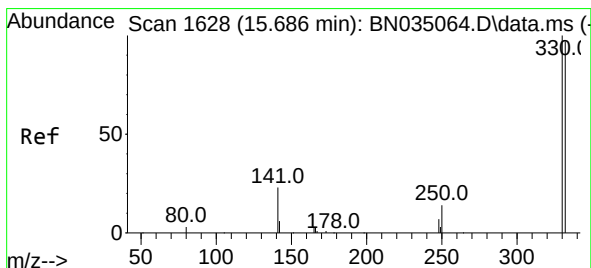
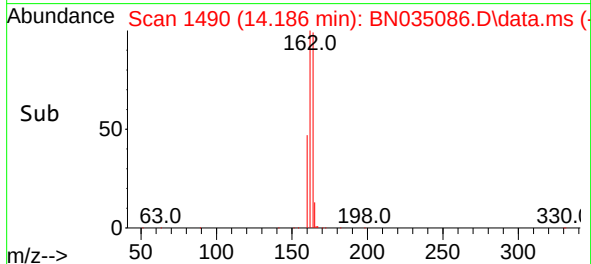
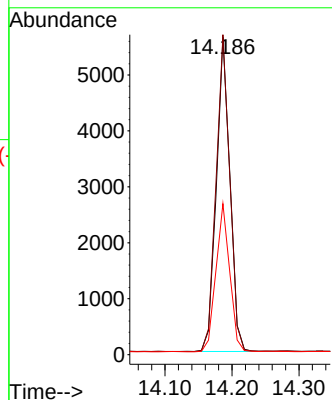
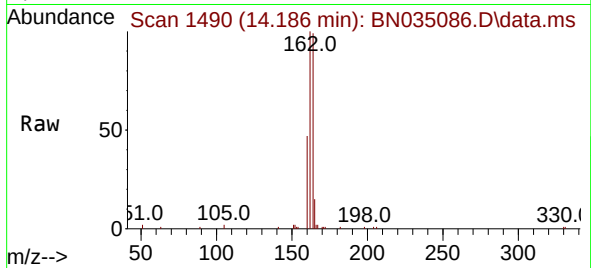


#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.186 min Scan# 1490
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:164 Resp: 7900

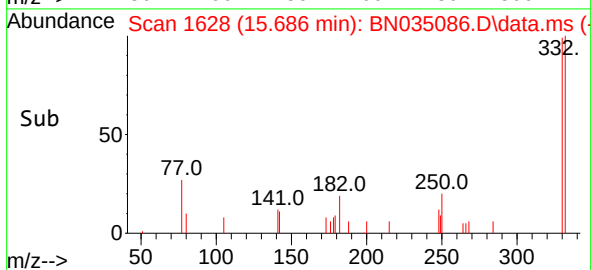
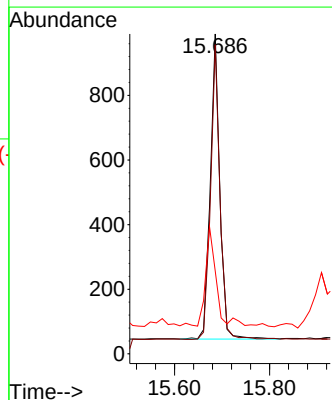
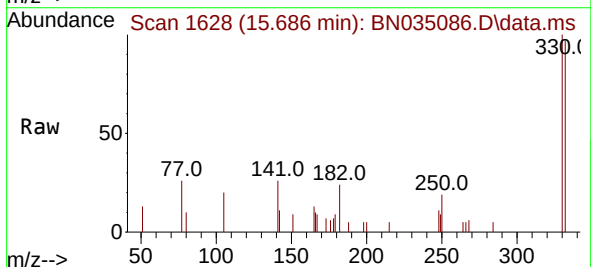
Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	47.6	40.2	60.4

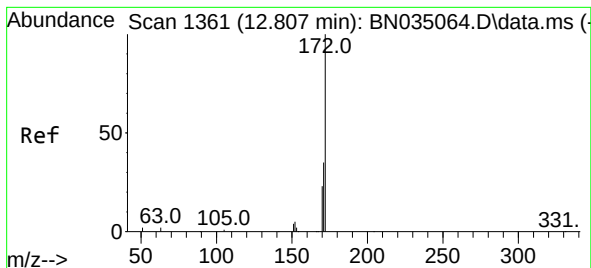


#14
 2,4,6-Tribromophenol
 Concen: 0.232 ng
 RT: 15.686 min Scan# 1628
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

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# 11

Delta R.T. -0.000 min

Lab File: BN035086.D

Acq: 14 Nov 2024 13:22

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

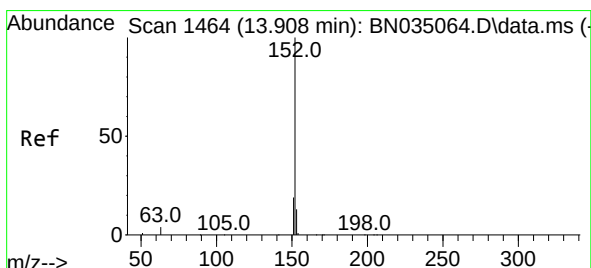
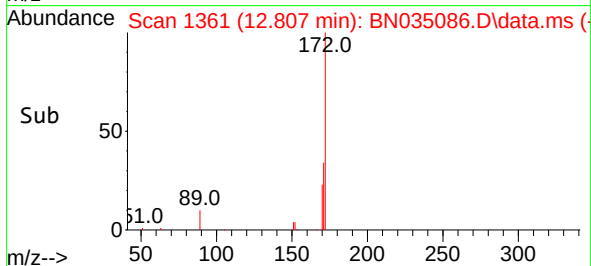
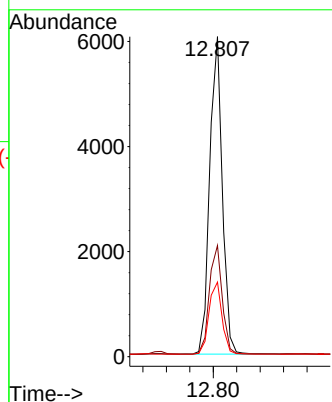
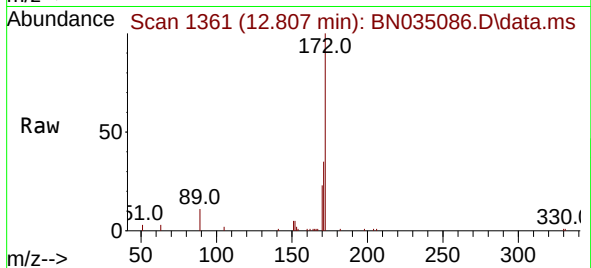
Tgt Ion:172 Resp: 9035

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

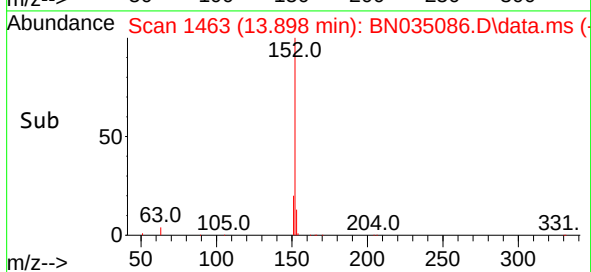
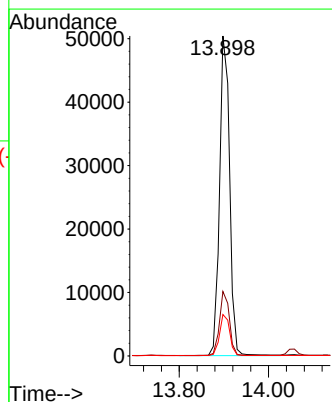
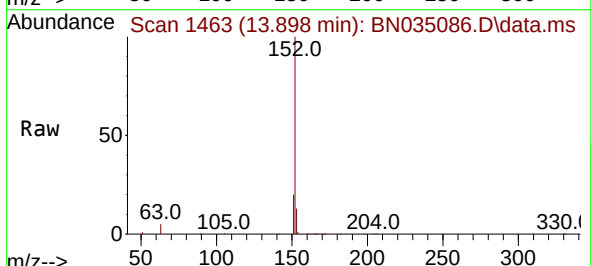
Tgt Ion:152 Resp: 78653

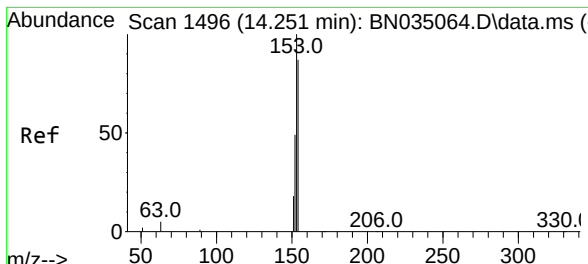
Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

153 13.1 10.2 15.4

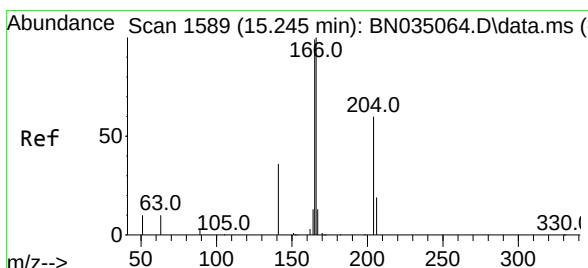
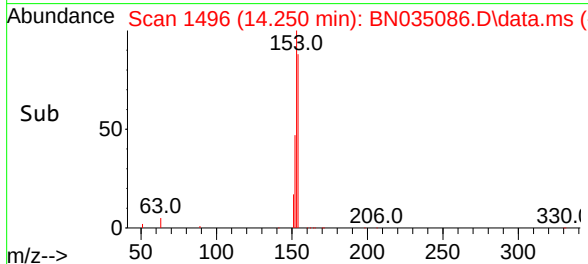
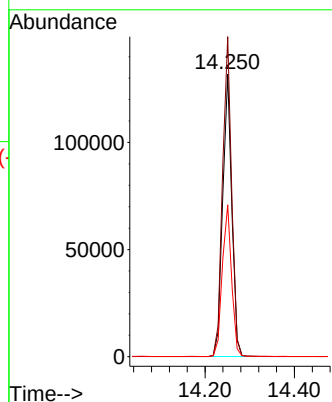
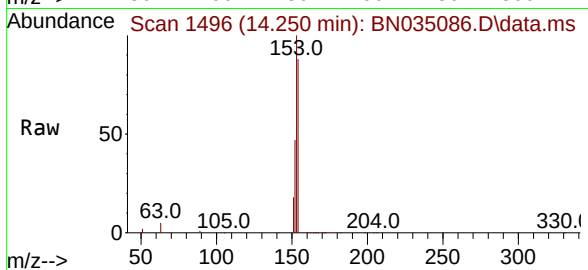




#17
Acenaphthene
Concen: 8.454 ng
RT: 14.250 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

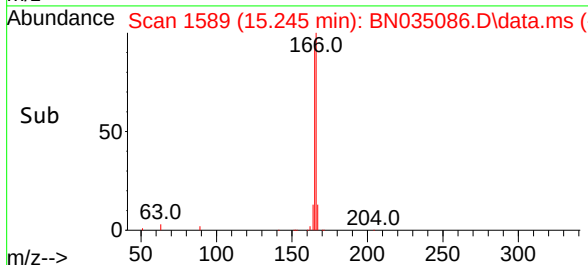
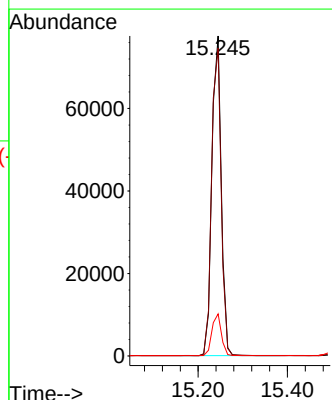
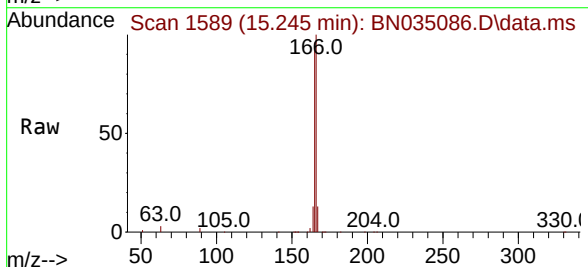
Instrument :
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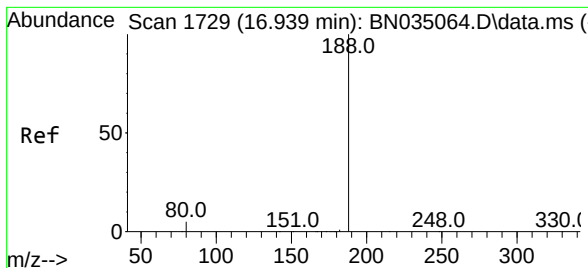
Tgt Ion:154 Resp: 187057
Ion Ratio Lower Upper
154 100
153 113.7 91.6 137.4
152 54.9 45.8 68.6



#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

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

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

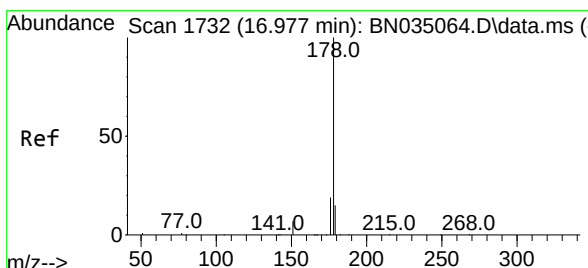
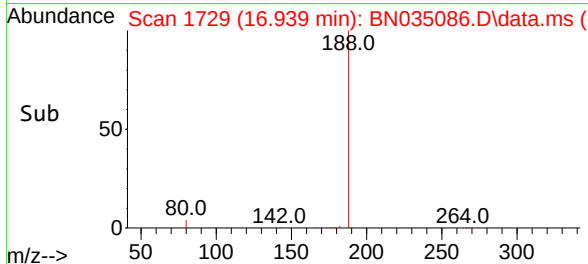
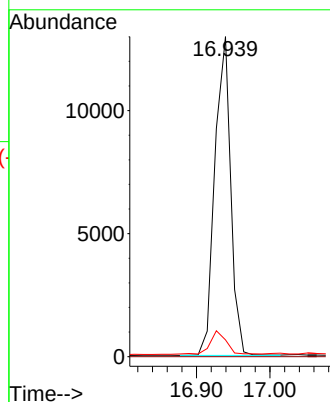
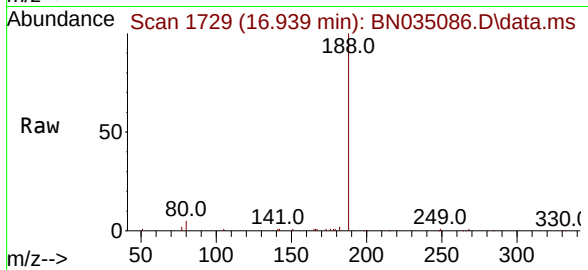
Tgt Ion:188 Resp: 19410

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.3 4.3 6.5



#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

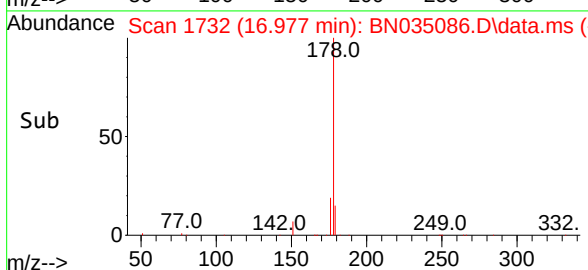
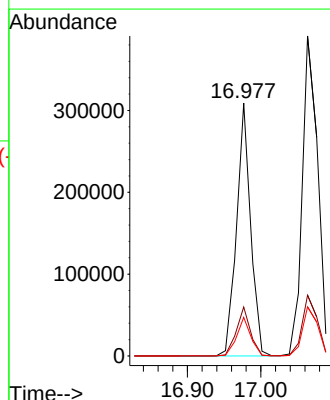
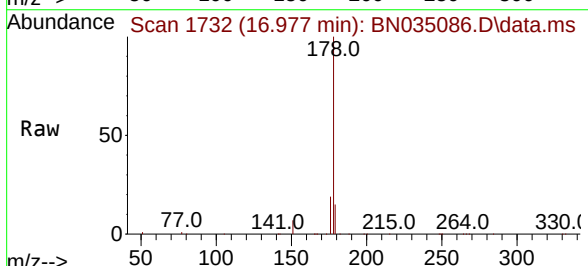
Tgt Ion:178 Resp: 410639

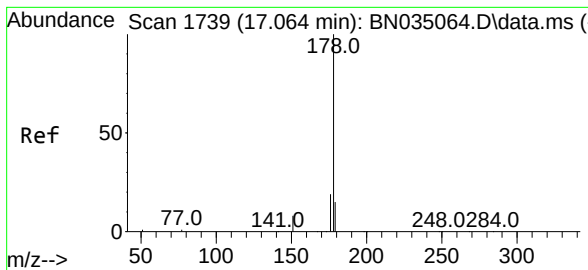
Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

179 15.3 12.6 18.8

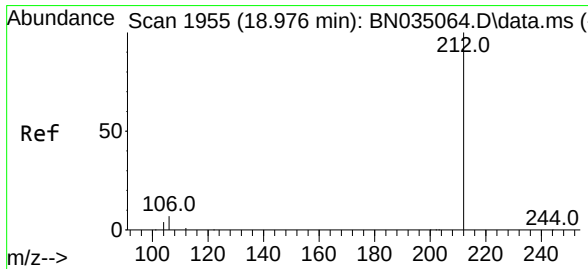
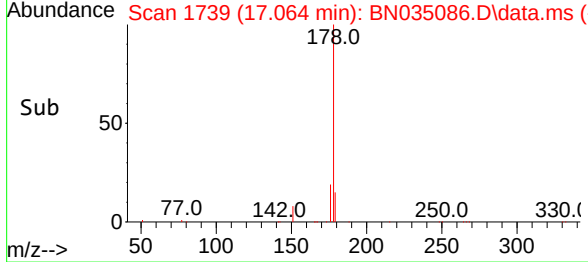
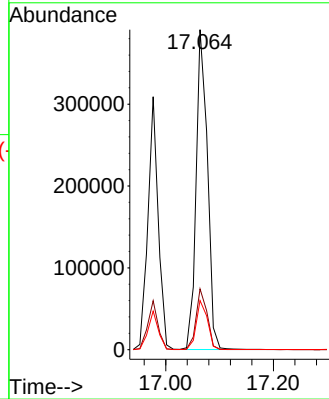
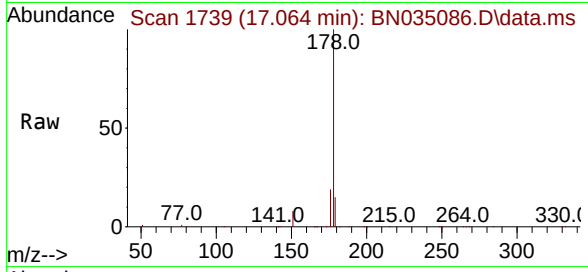




#26
 Anthracene
 Concen: 12.194 ng
 RT: 17.064 min Scan# 1739
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

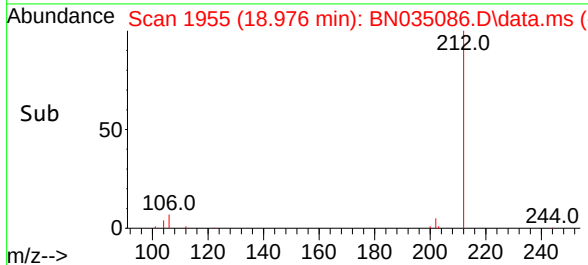
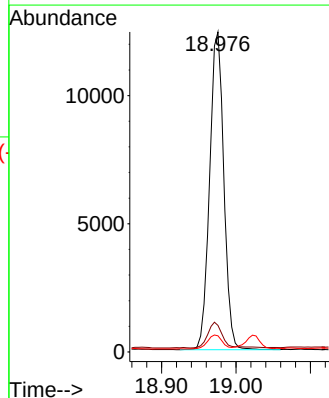
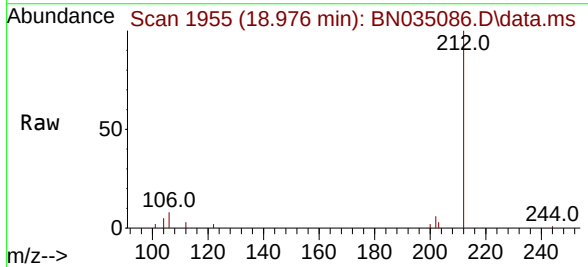
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

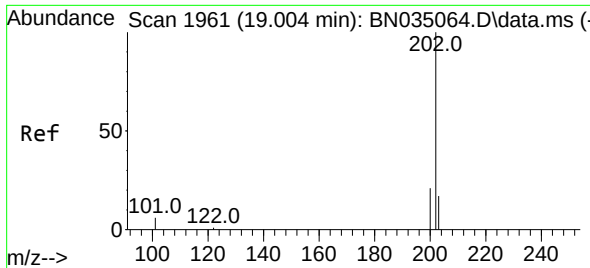
Tgt Ion:178 Resp: 572114
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 22.0
 179 15.3 12.2 18.2



#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

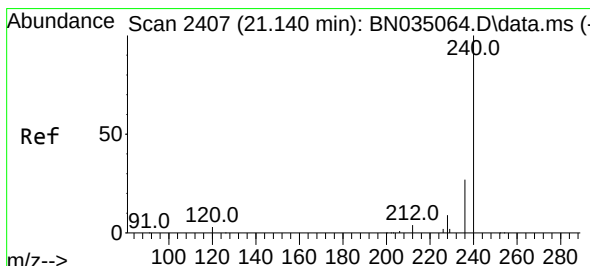
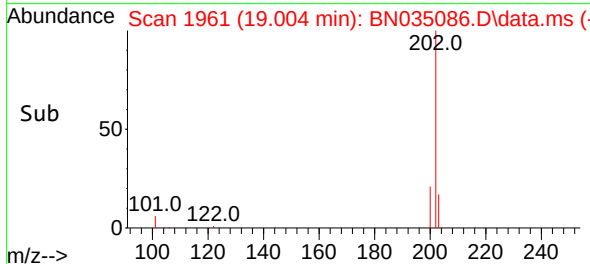
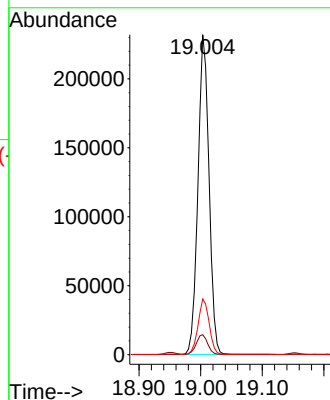
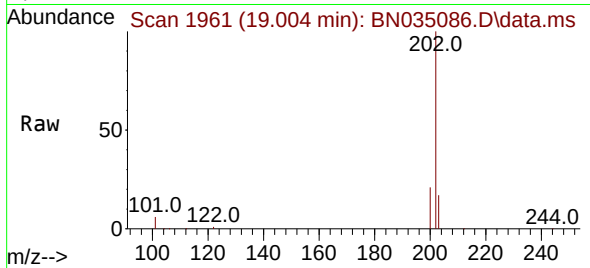




#28
Fluoranthene
Concen: 4.130 ng
RT: 19.004 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

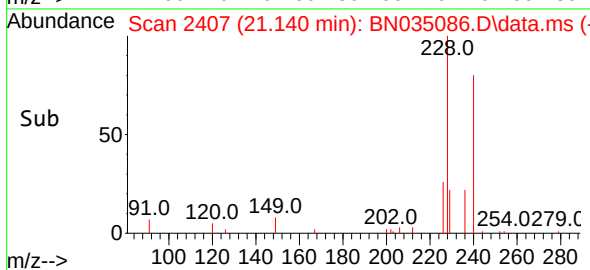
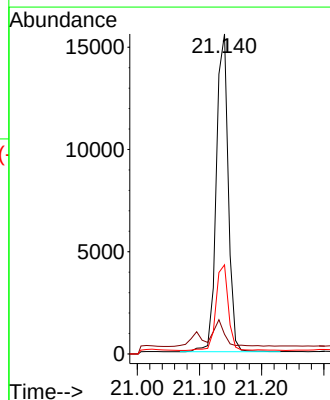
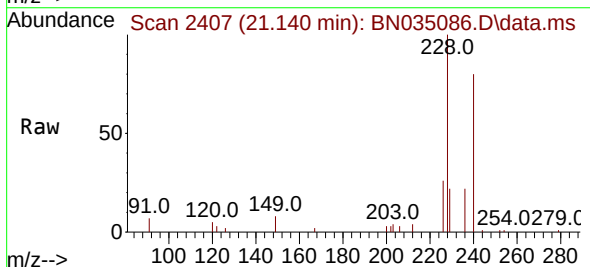
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

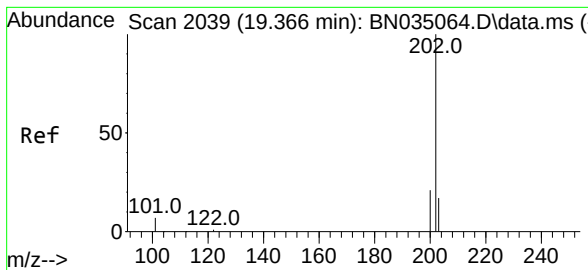
Tgt Ion:202 Resp: 290131
Ion Ratio Lower Upper
202 100
101 6.5 5.2 7.8
203 17.3 13.8 20.8



#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

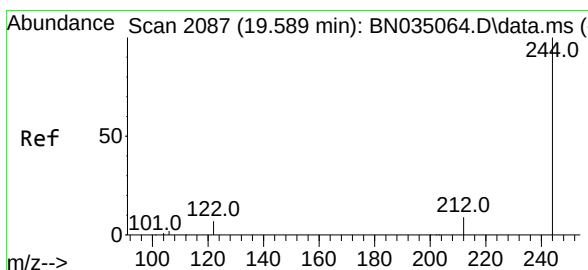
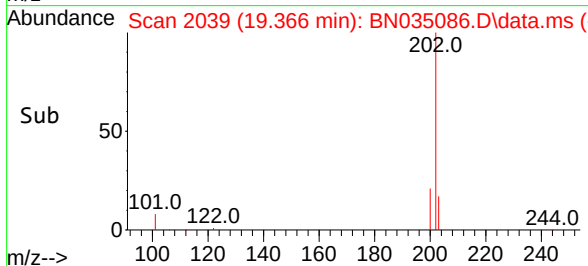
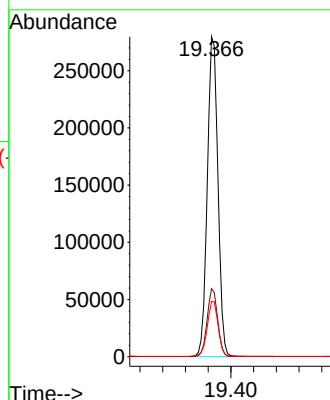
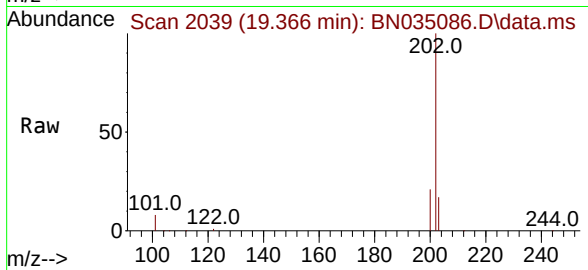
Tgt Ion:202 Resp: 361798

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

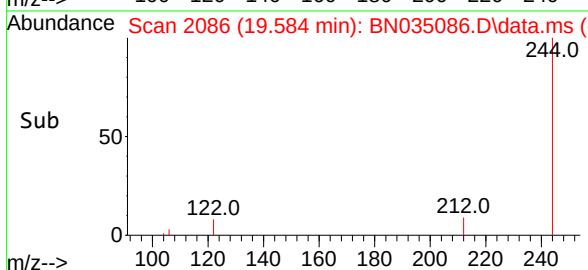
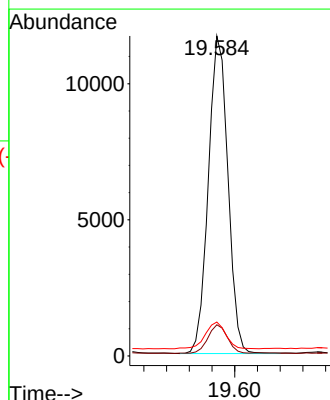
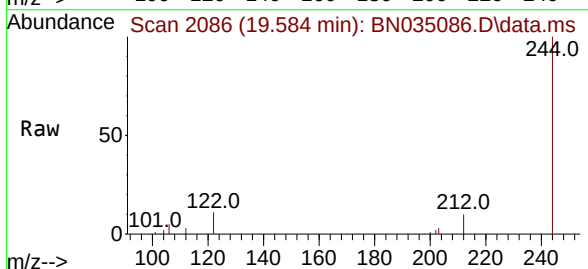
Tgt Ion:244 Resp: 13939

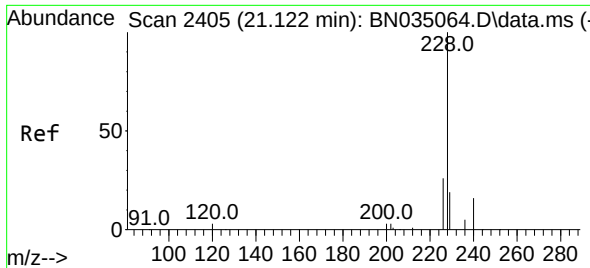
Ion Ratio Lower Upper

244 100

212 9.8 7.6 11.4

122 10.6 6.1 9.1#

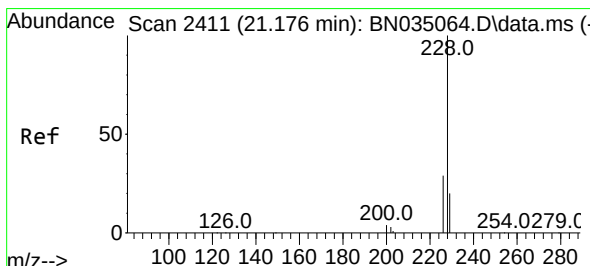
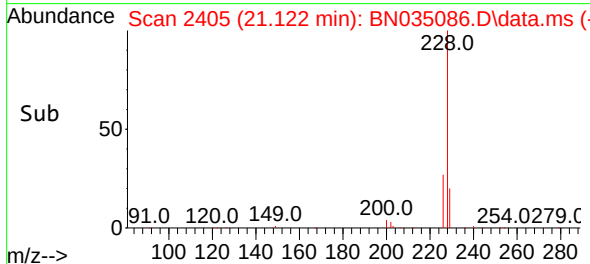
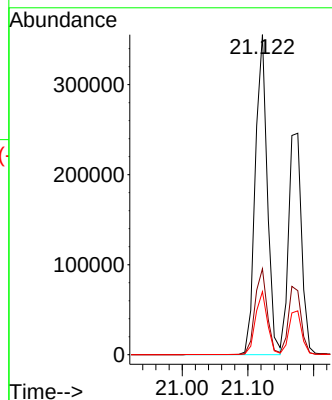
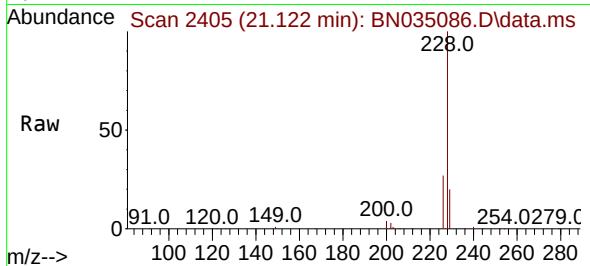




#32
Benzo(a)anthracene
Concen: 5.943 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

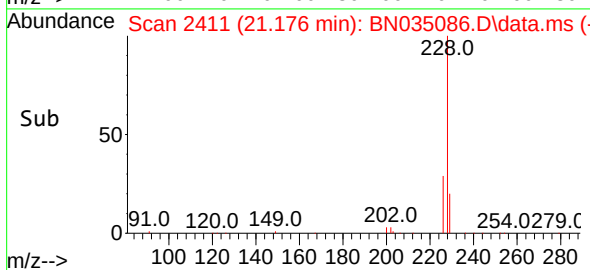
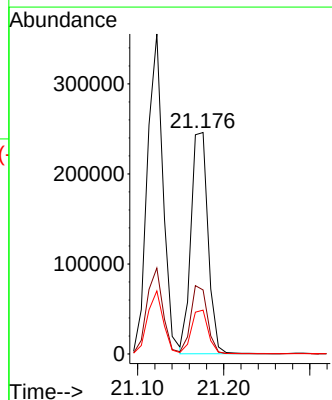
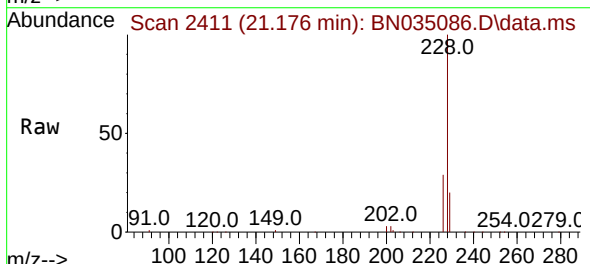
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

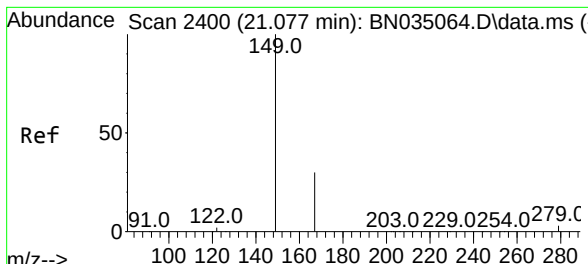
Tgt Ion:228 Resp: 427505
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.0
229 19.7 15.7 23.5



#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

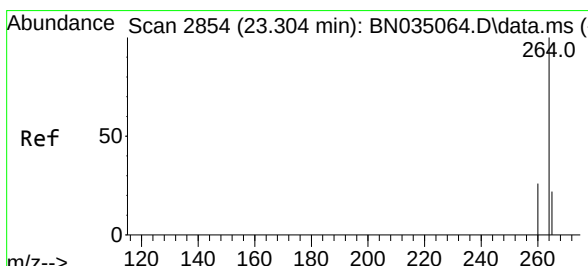
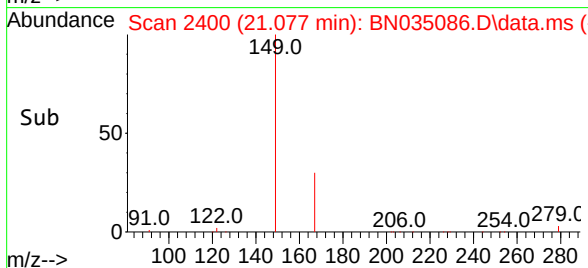
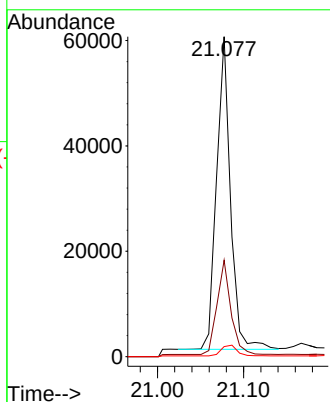
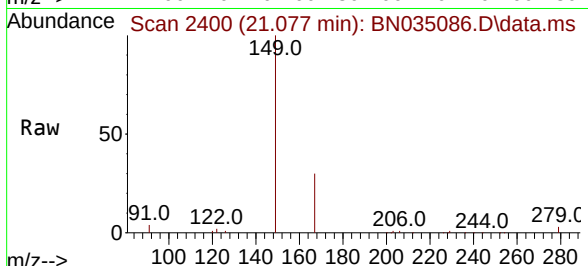




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.759 ng
 RT: 21.077 min Scan# 2400
 Delta R.T. -0.000 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

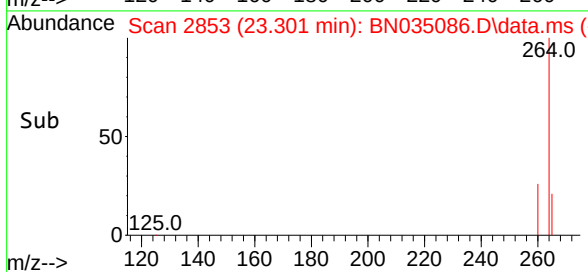
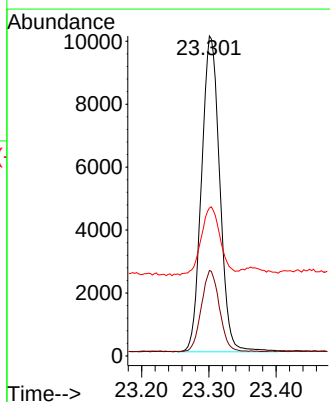
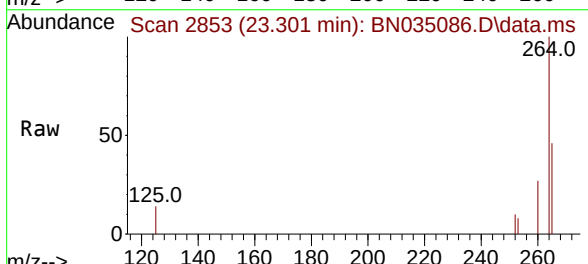
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

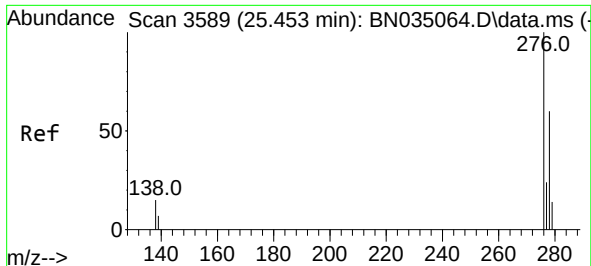
Tgt Ion:	149	Resp:	66373
Ion Ratio	Lower	Upper	
149	100		
167	29.9	23.2	34.8
279	3.9	3.2	4.8



#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

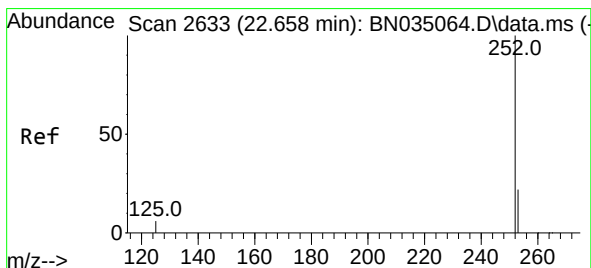
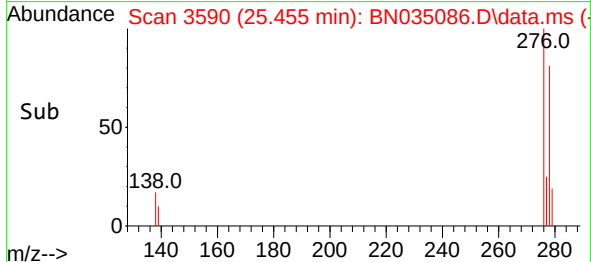
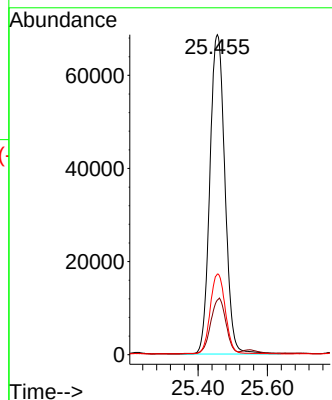
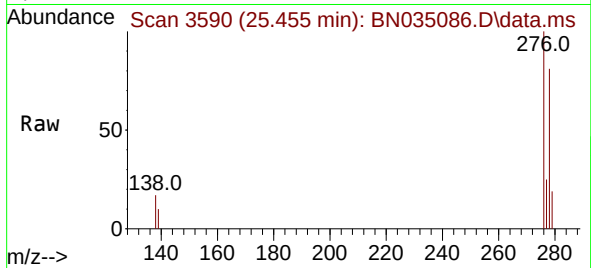




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 2.749 ng
 RT: 25.455 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BN035086.D
 Acq: 14 Nov 2024 13:22

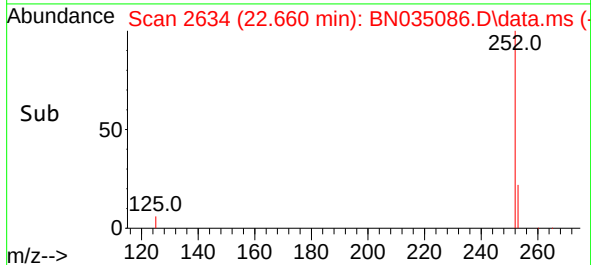
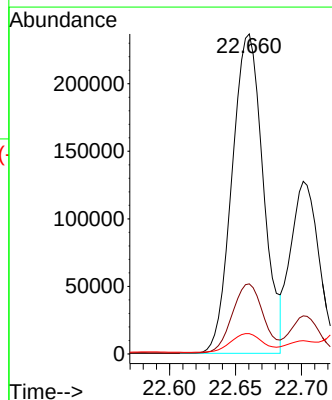
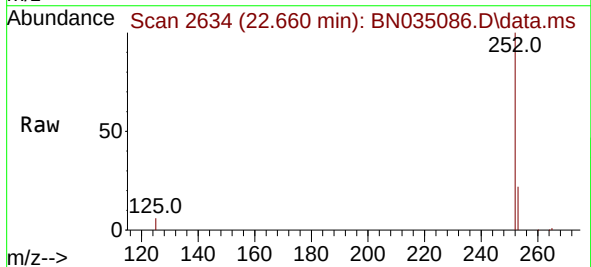
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

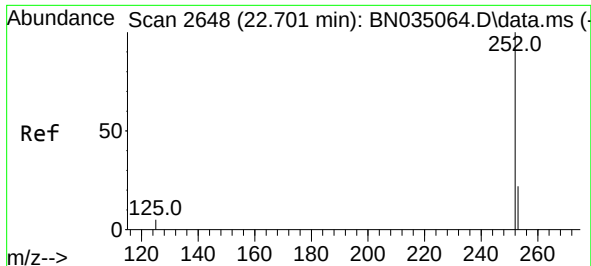
Tgt Ion:276 Resp: 207176
 Ion Ratio Lower Upper
 276 100
 138 17.3 13.0 19.4
 277 24.9 19.8 29.6



#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

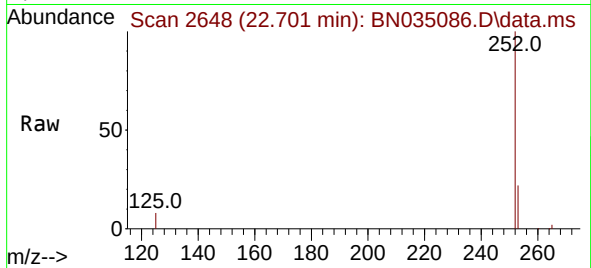
Tgt Ion:252 Resp: 388820
 Ion Ratio Lower Upper
 252 100
 253 21.9 19.3 28.9
 125 6.4 6.2 9.2



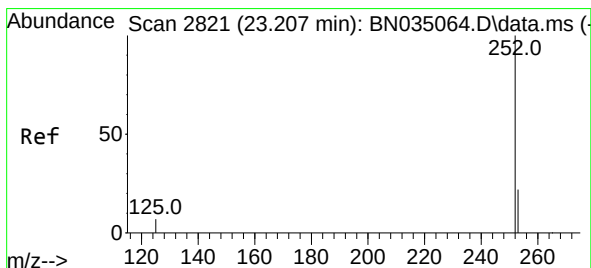
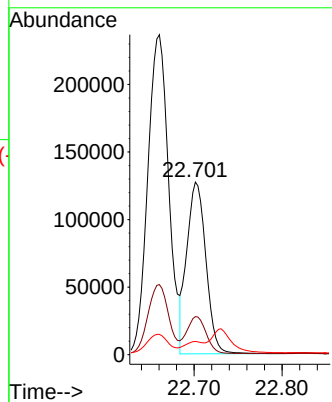
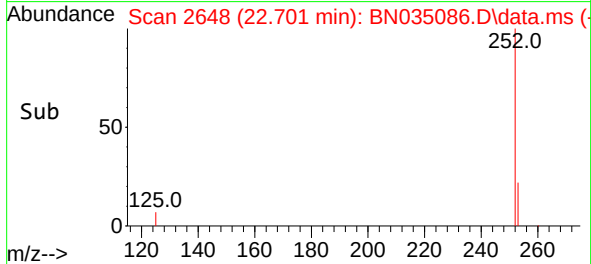


#38
Benzo(k)fluoranthene
Concen: 3.007 ng
RT: 22.701 min Scan# 2648
Delta R.T. -0.000 min
Lab File: BN035086.D
Acq: 14 Nov 2024 13:22

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

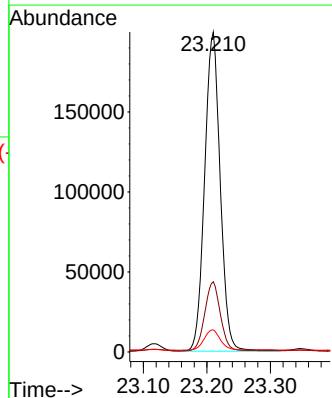
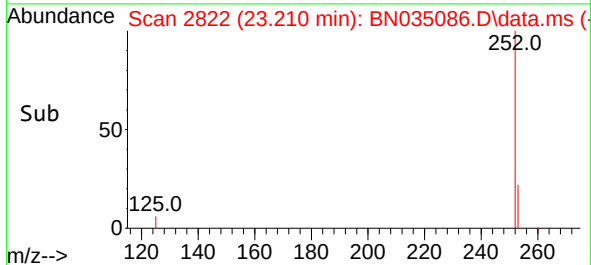
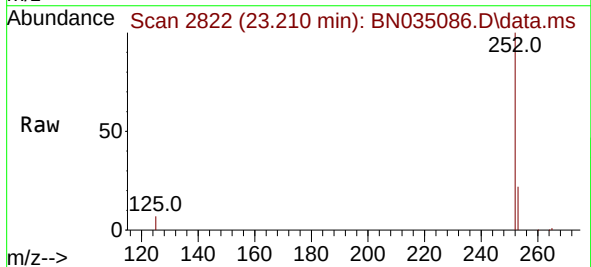


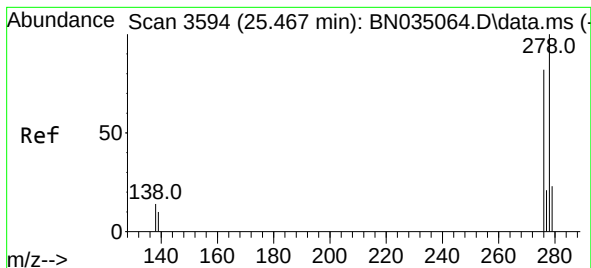
Tgt Ion:252 Resp: 191270
Ion Ratio Lower Upper
252 100
253 22.1 19.5 29.3
125 7.7 6.5 9.7



#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

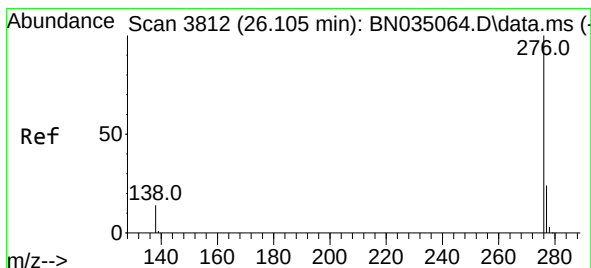
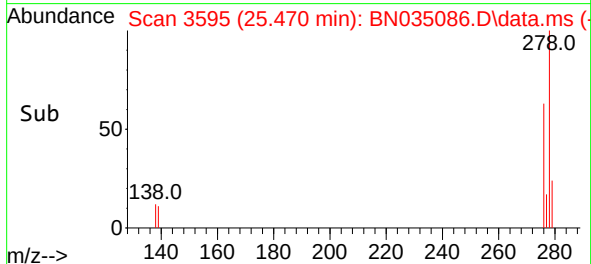
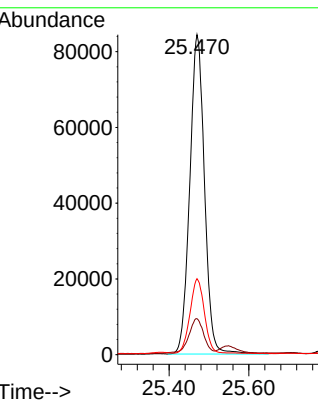
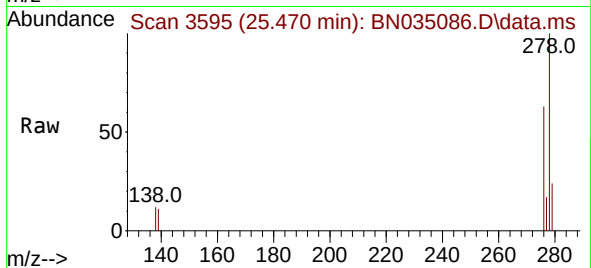
Tgt Ion:278 Resp: 216242

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

