

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
 Data File : BN035087.D
 Acq On : 14 Nov 2024 14:10
 Operator : RC/JU
 Sample : P4495-13DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: Nov 14 14:35:52 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)

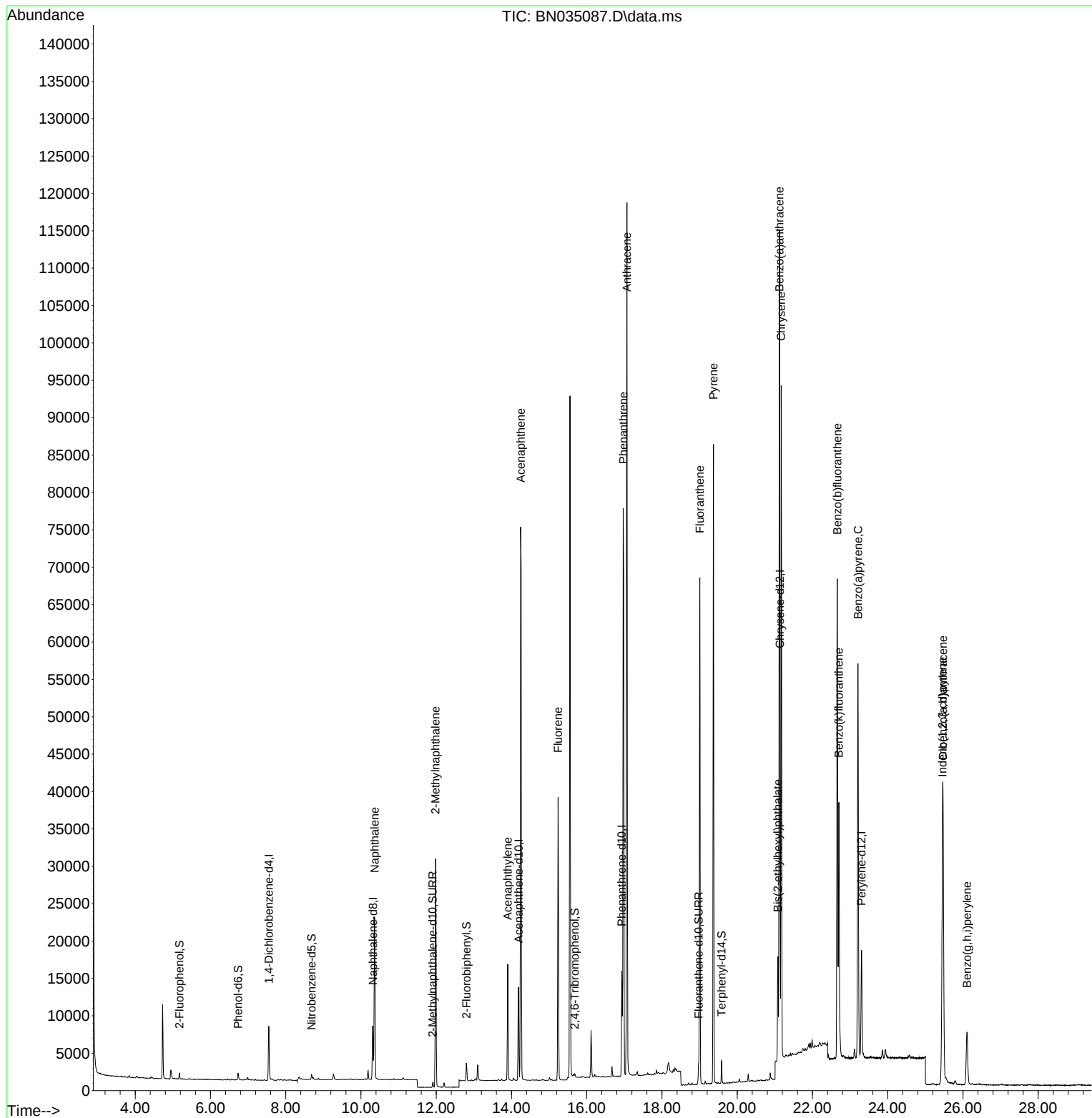
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	3588	0.400	ng	0.00
7) Naphthalene-d8	10.319	136	9962	0.400	ng	0.00
13) Acenaphthene-d10	14.190	164	7625	0.400	ng	0.00
19) Phenanthrene-d10	16.932	188	18496	0.400	ng	# 0.00
29) Chrysene-d12	21.133	240	19193	0.400	ng	# 0.00
35) Perylene-d12	23.303	264	17654	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	623	0.068	ng	0.00
5) Phenol-d6	6.737	99	858	0.075	ng	0.00
8) Nitrobenzene-d5	8.685	82	574	0.066	ng	-0.01
11) 2-Methylnaphthalene-d10	11.908	152	948	0.053	ng	0.00
14) 2,4,6-Tribromophenol	15.679	330	267	0.049	ng	0.00
15) 2-Fluorobiphenyl	12.800	172	1933	0.062	ng	0.00
27) Fluoranthene-d10	18.973	212	3297	0.058	ng	0.00
31) Terphenyl-d14	19.587	244	3039	0.075	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.361	128	26813	1.031	ng	98
12) 2-Methylnaphthalene	11.984	142	20979	1.093	ng	98
16) Acenaphthylene	13.901	152	15792	0.485	ng	99
17) Acenaphthene	14.243	154	39032	1.828	ng	100
18) Fluorene	15.238	166	23114	0.736	ng	100
25) Phenanthrene	16.970	178	85839	1.764	ng	99
26) Anthracene	17.069	178	116295	2.601	ng	100
28) Fluoranthene	19.006	202	59098	0.883	ng	100
30) Pyrene	19.368	202	74314	1.163	ng	100
32) Benzo(a)anthracene	21.125	228	90123	1.349	ng	100
33) Chrysene	21.169	228	70164	1.060	ng	98
34) Bis(2-ethylhexyl)phtha...	21.080	149	12480	0.356	ng	98
36) Indeno(1,2,3-cd)pyrene	25.455	276	42313	0.601	ng	99
37) Benzo(b)fluoranthene	22.660	252	80139	1.349	ng	97
38) Benzo(k)fluoranthene	22.701	252	40922	0.689	ng	98
39) Benzo(a)pyrene	23.209	252	69681	1.333	ng	95
40) Dibenzo(a,h)anthracene	25.472	278	44339	0.795	ng	100
41) Benzo(g,h,i)perylene	26.107	276	14526	0.245	ng	98

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

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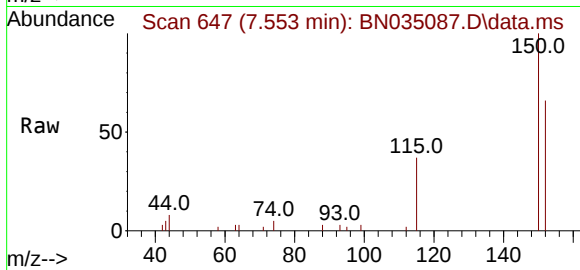
Quant Time: Nov 14 14:35:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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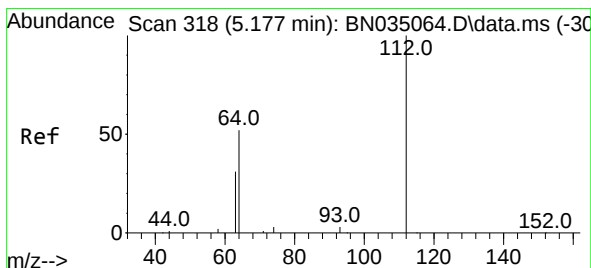
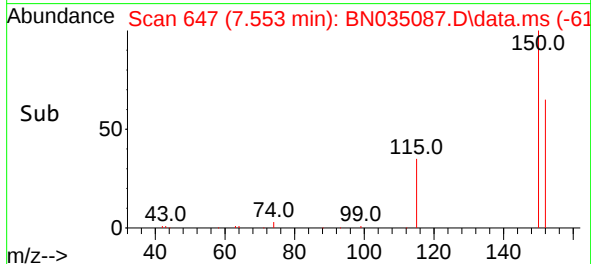
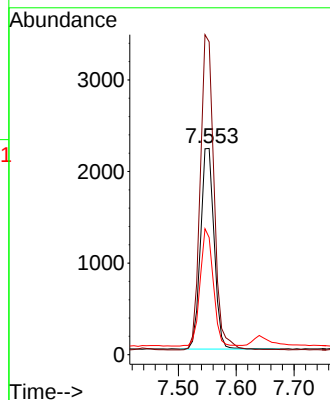


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 647
Delta R.T. 0.000 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

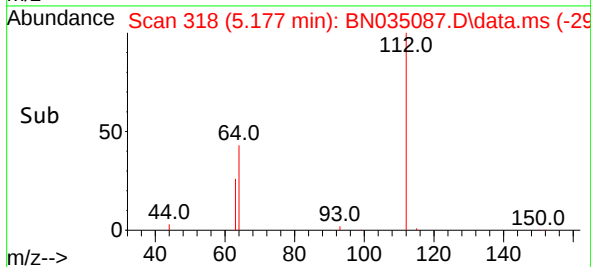
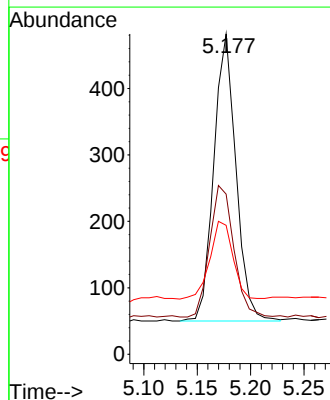
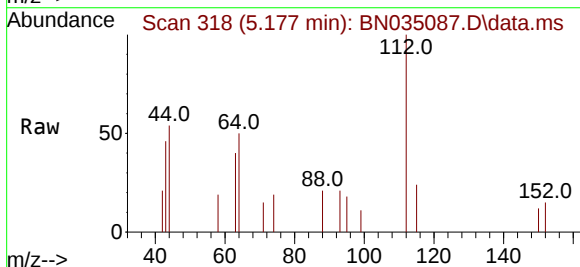


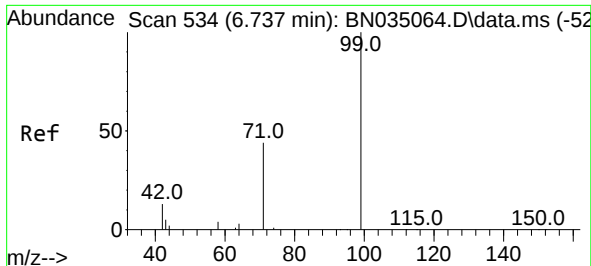
Tgt Ion:152 Resp: 3588
Ion Ratio Lower Upper
152 100
150 151.6 124.5 186.7
115 56.7 47.8 71.6



#4
2-Fluorophenol
Concen: 0.068 ng
RT: 5.177 min Scan# 318
Delta R.T. -0.000 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:112 Resp: 623
Ion Ratio Lower Upper
112 100
64 49.9 39.7 59.5
63 28.1 23.0 34.4

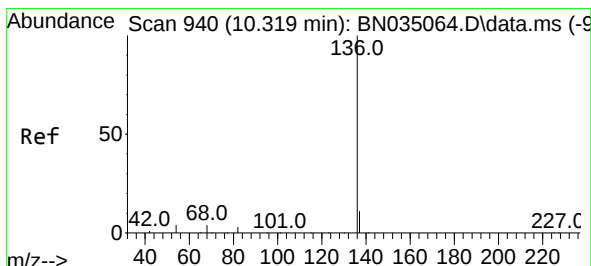
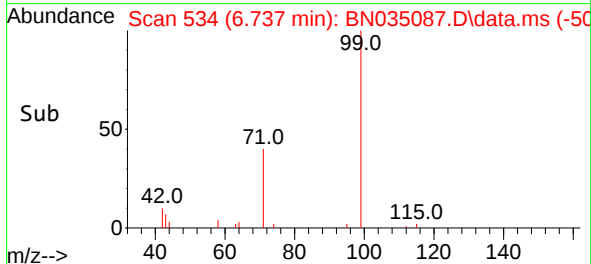
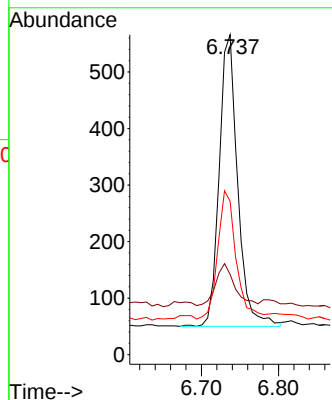
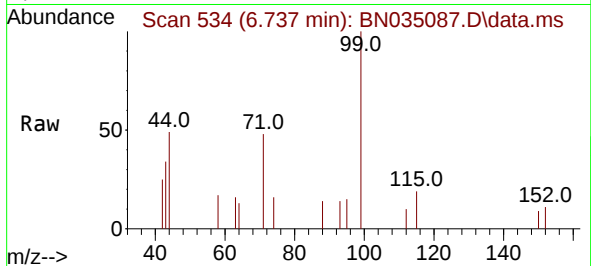




#5
Phenol-d6
Concen: 0.075 ng
RT: 6.737 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

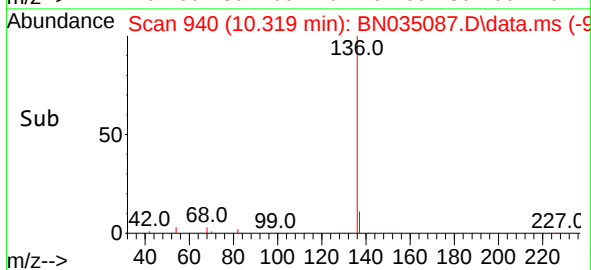
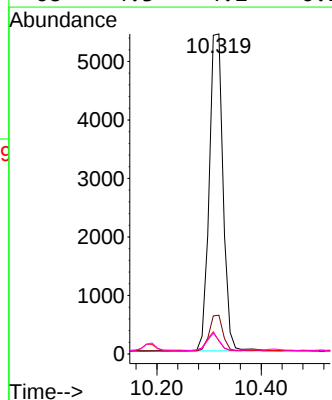
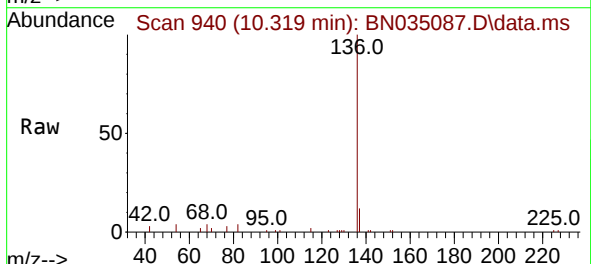
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

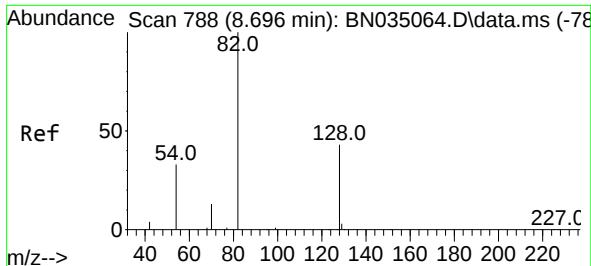
Tgt Ion: 99 Resp: 858
Ion Ratio Lower Upper
99 100
42 16.3 11.4 17.0
71 43.6 34.6 51.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.319 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion: 136 Resp: 9962
Ion Ratio Lower Upper
136 100
137 12.1 9.8 14.8
54 4.1 4.0 6.0
68 4.3 4.2 6.2

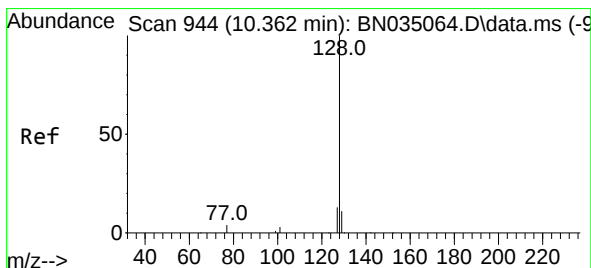
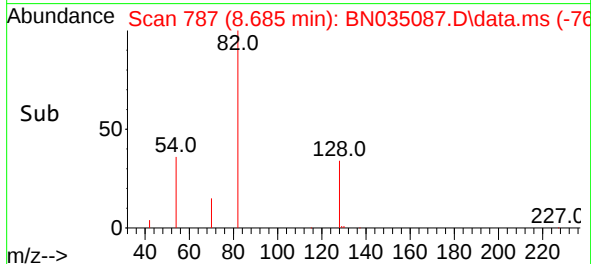
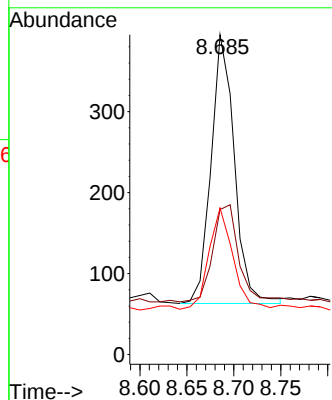
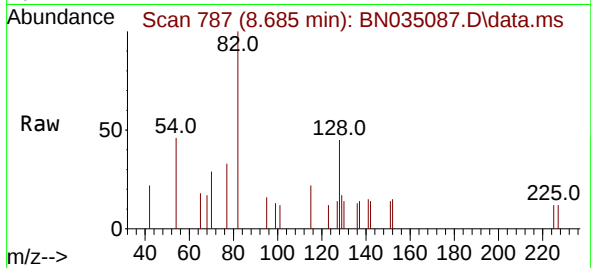




#8
Nitrobenzene-d5
Concen: 0.066 ng
RT: 8.685 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

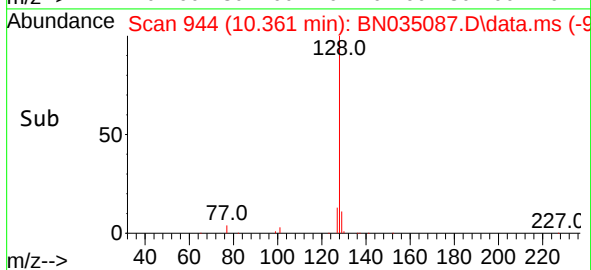
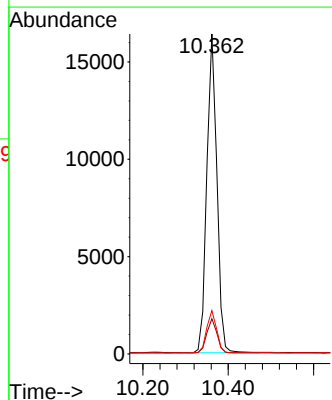
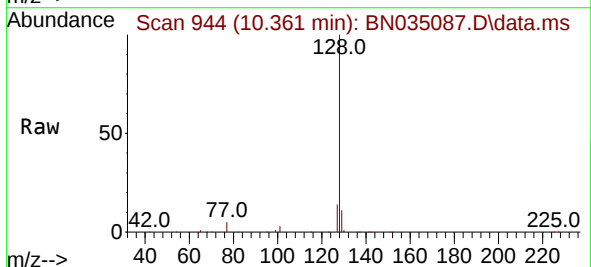
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

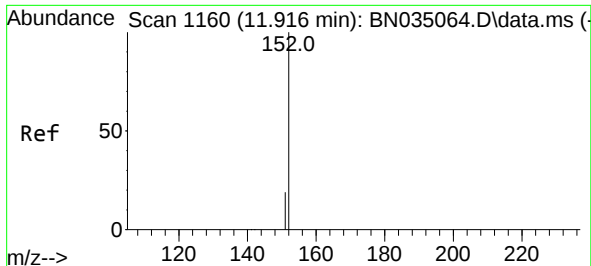
Tgt Ion: 82 Resp: 574
Ion Ratio Lower Upper
82 100
128 45.3 36.5 54.7
54 45.8 28.7 43.1#



#9
Naphthalene
Concen: 1.031 ng
RT: 10.361 min Scan# 944
Delta R.T. -0.000 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion: 128 Resp: 26813
Ion Ratio Lower Upper
128 100
129 11.0 9.6 14.4
127 13.6 11.6 17.4

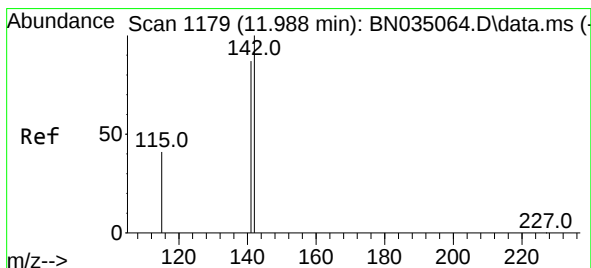
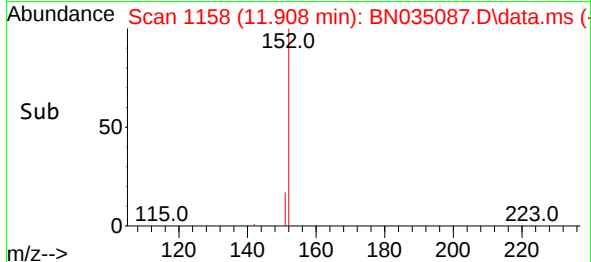
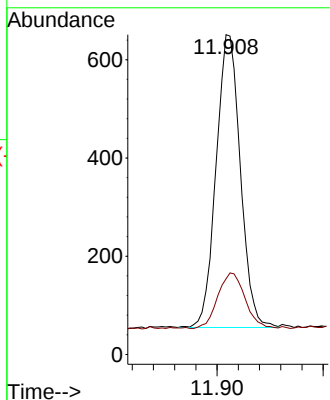
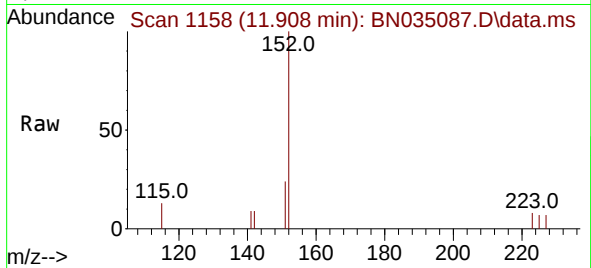




#11
2-Methylnaphthalene-d10
Concen: 0.053 ng
RT: 11.908 min Scan# 1158
Delta R.T. -0.008 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

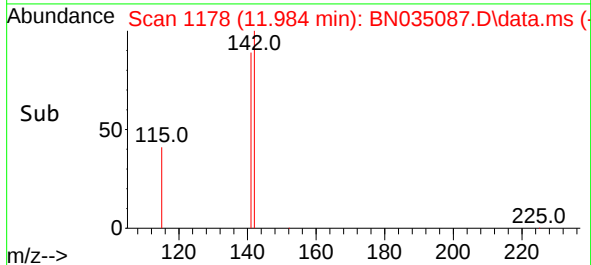
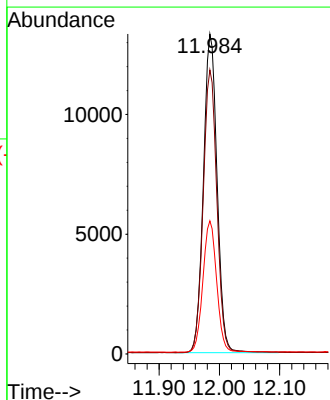
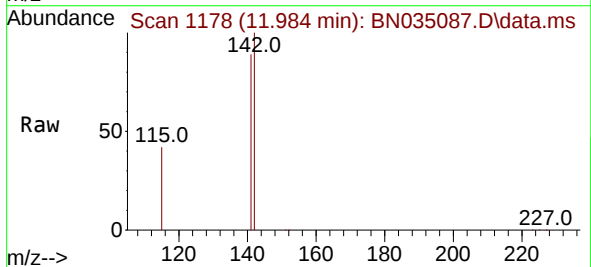
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

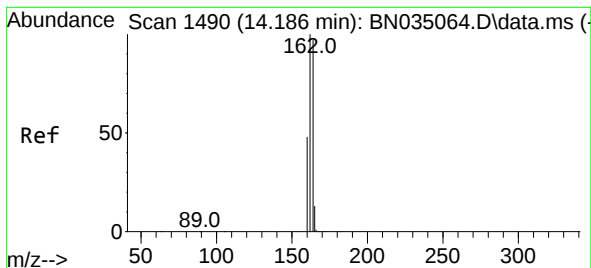
Tgt Ion:152 Resp: 948
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.4



#12
2-Methylnaphthalene
Concen: 1.093 ng
RT: 11.984 min Scan# 1178
Delta R.T. -0.004 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:142 Resp: 20979
Ion Ratio Lower Upper
142 100
141 88.8 70.1 105.1
115 41.6 34.4 51.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.190 min Scan# 1491

Delta R.T. 0.004 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILD

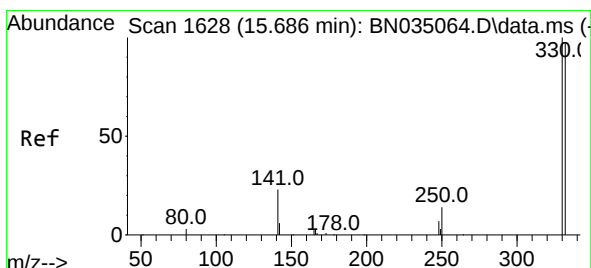
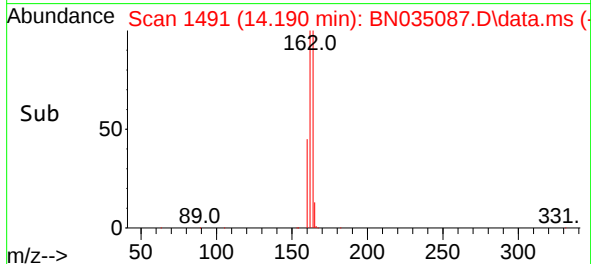
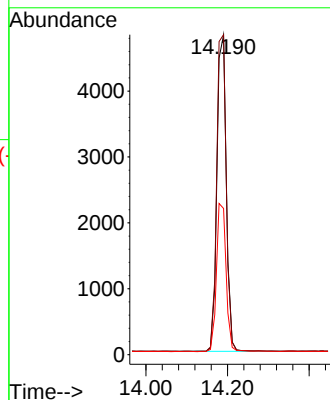
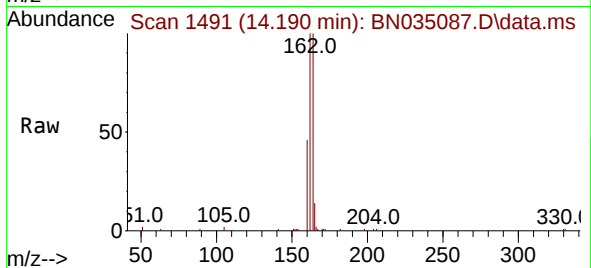
Tgt Ion:164 Resp: 7625

Ion Ratio Lower Upper

164 100

162 100.1 82.2 123.2

160 45.7 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.049 ng

RT: 15.679 min Scan# 1628

Delta R.T. -0.007 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

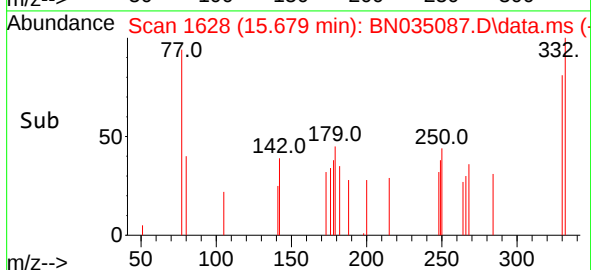
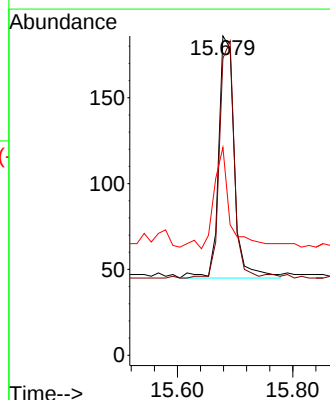
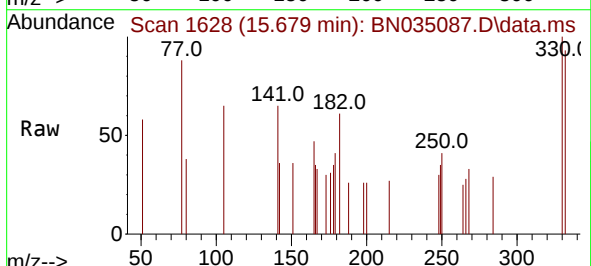
Tgt Ion:330 Resp: 267

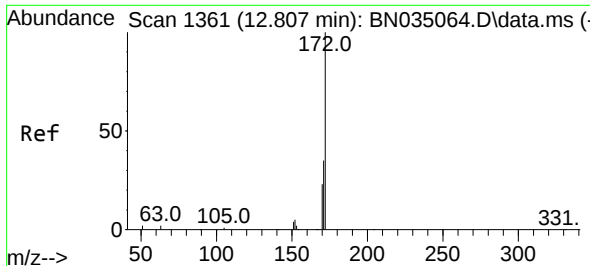
Ion Ratio Lower Upper

330 100

332 88.0 76.9 115.3

141 42.7 29.6 44.4

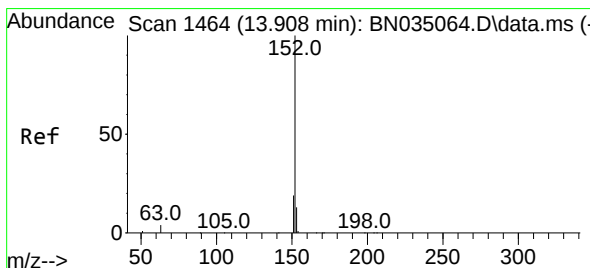
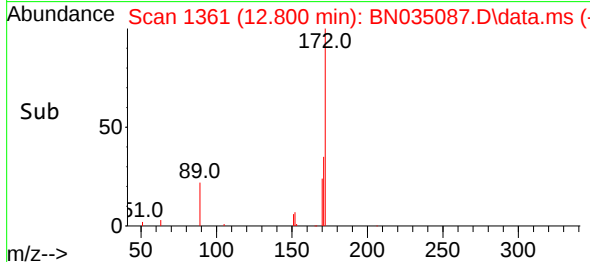
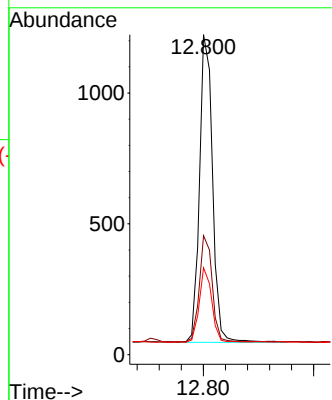
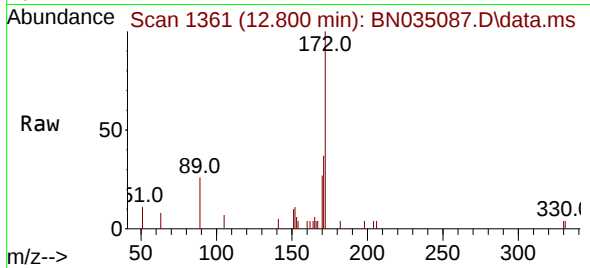




#15
2-Fluorobiphenyl
Concen: 0.062 ng
RT: 12.800 min Scan# 1361
Delta R.T. -0.007 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

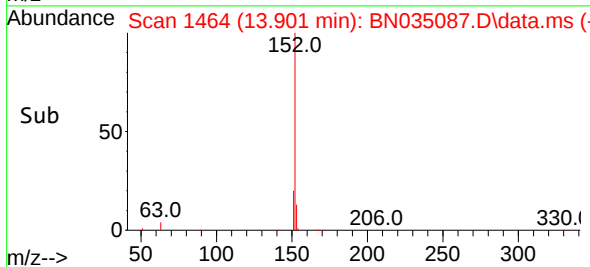
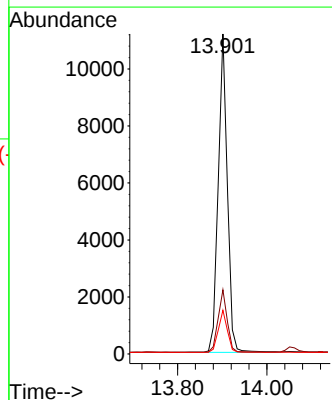
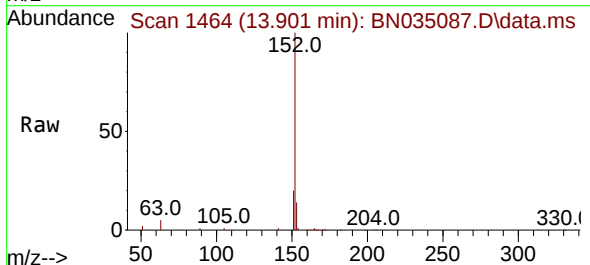
Instrument :
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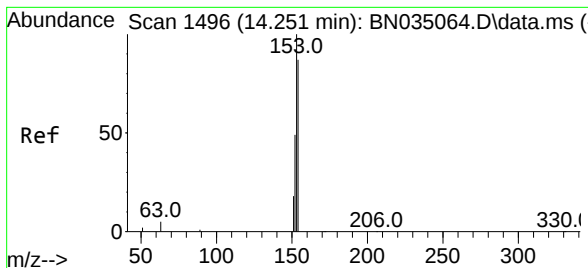
Tgt Ion:	172	Resp:	1933
Ion Ratio	Lower	Upper	
172	100		
171	37.2	28.2	42.4
170	27.1	19.0	28.6



#16
Acenaphthylene
Concen: 0.485 ng
RT: 13.901 min Scan# 1464
Delta R.T. -0.007 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:	152	Resp:	15792
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.8
153	13.3	10.2	15.4





#17

Acenaphthene

Concen: 1.828 ng

RT: 14.243 min Scan# 1496

Delta R.T. -0.007 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILD

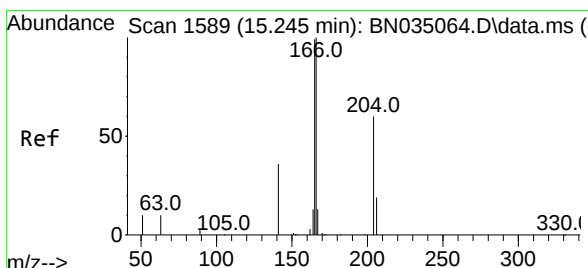
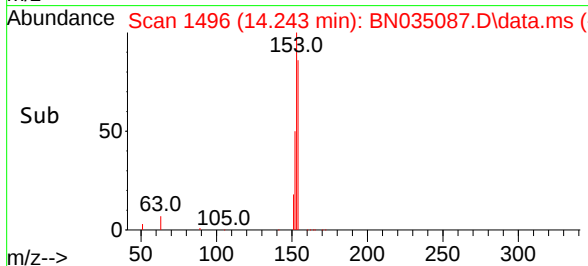
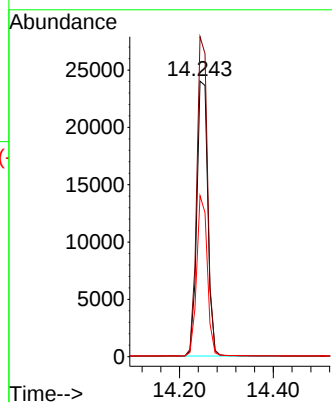
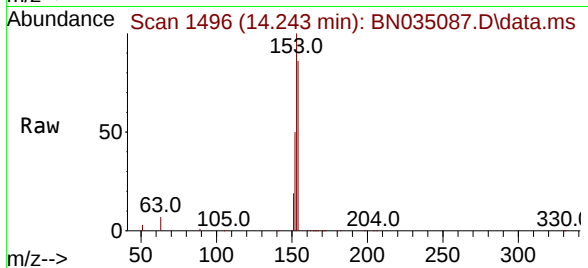
Tgt Ion:154 Resp: 39032

Ion Ratio Lower Upper

154 100

153 114.3 91.6 137.4

152 56.3 45.8 68.6



#18

Fluorene

Concen: 0.736 ng

RT: 15.238 min Scan# 1589

Delta R.T. -0.007 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

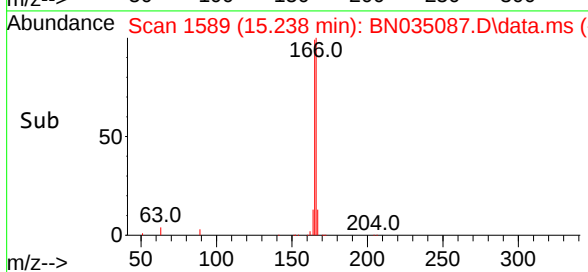
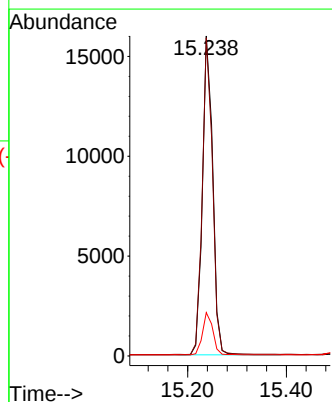
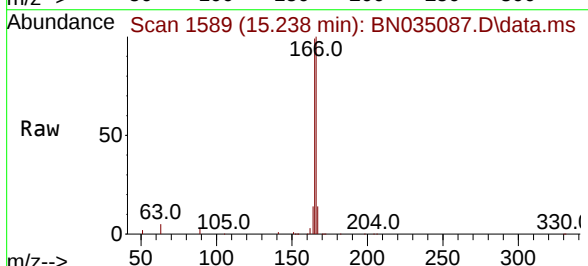
Tgt Ion:166 Resp: 23114

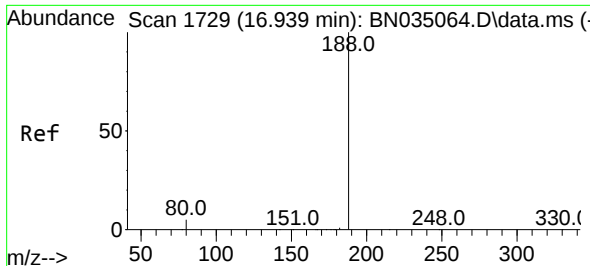
Ion Ratio Lower Upper

166 100

165 98.8 79.1 118.7

167 13.4 10.6 16.0

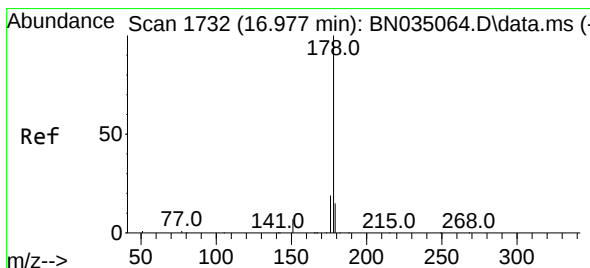
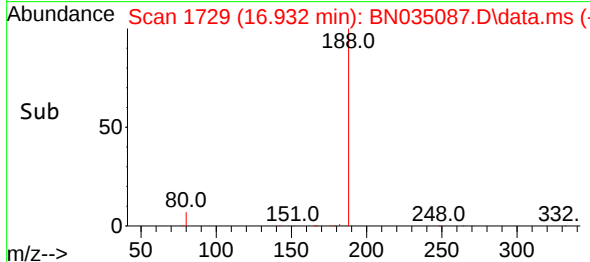
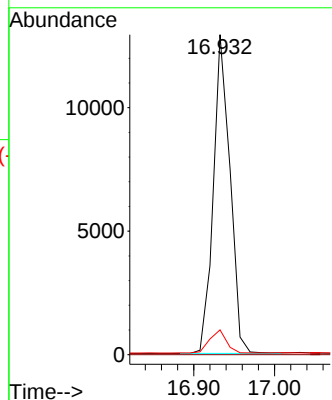
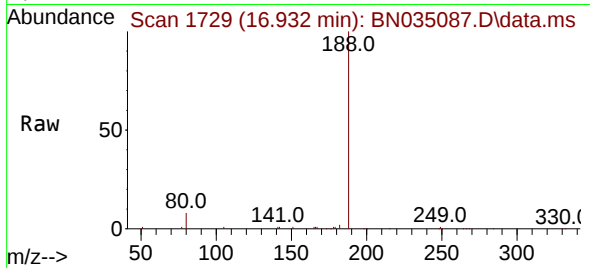




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.932 min Scan# 1729
Delta R.T. -0.007 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

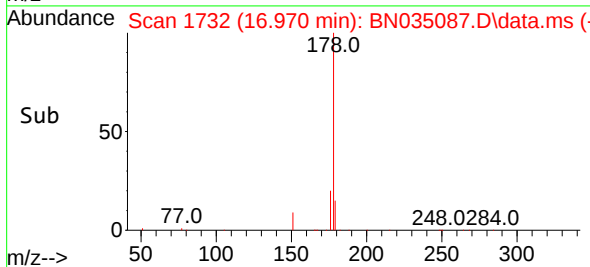
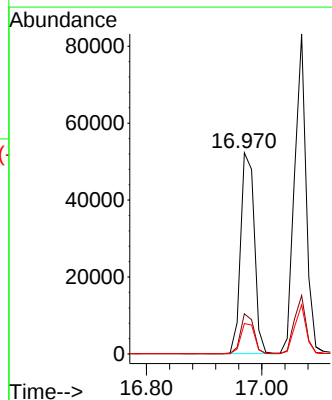
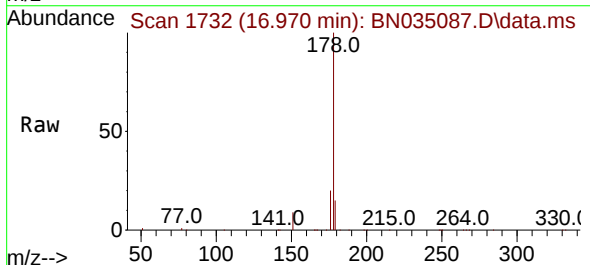
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

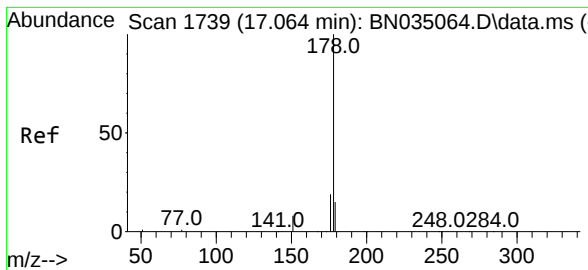
Tgt Ion:188 Resp: 18496
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.7 4.3 6.5#



#25
Phenanthrene
Concen: 1.764 ng
RT: 16.970 min Scan# 1732
Delta R.T. -0.007 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:178 Resp: 85839
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.3 12.6 18.8

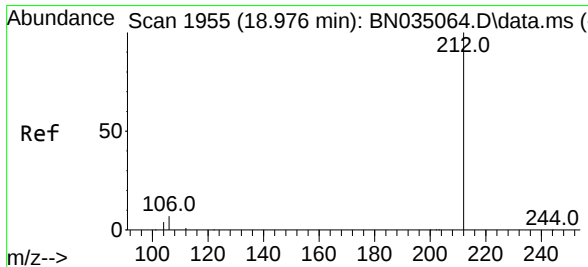
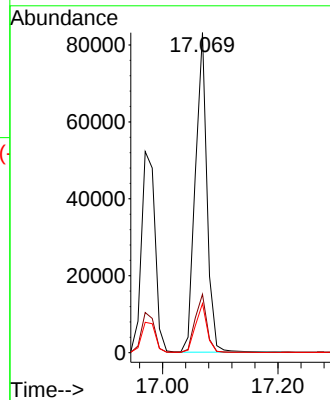
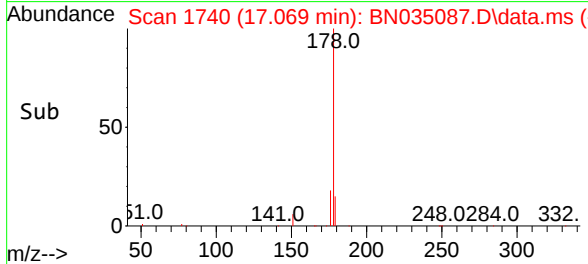
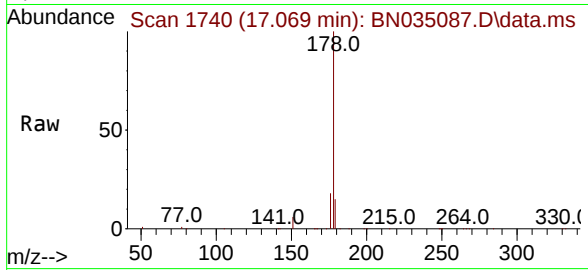




#26
Anthracene
Concen: 2.601 ng
RT: 17.069 min Scan# 1739
Delta R.T. 0.005 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

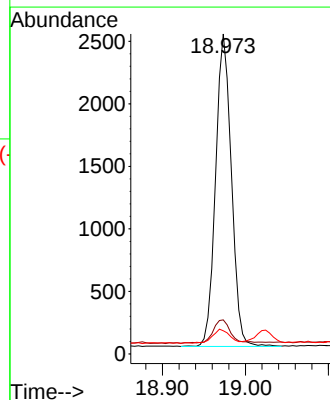
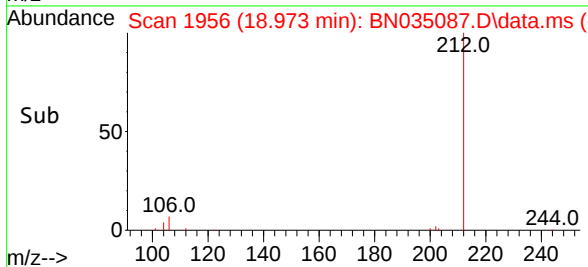
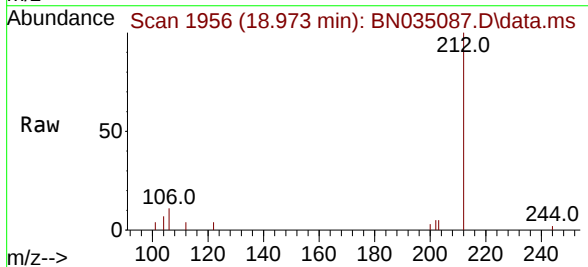
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

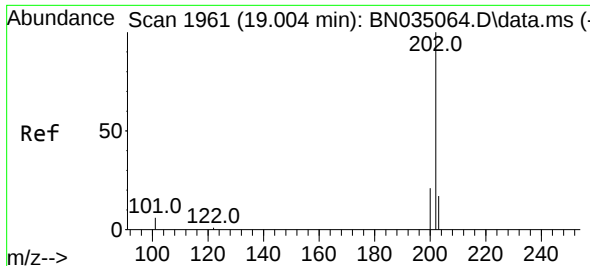
Tgt Ion:178 Resp: 116295
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 15.2 12.2 18.2



#27
Fluoranthene-d10
Concen: 0.058 ng
RT: 18.973 min Scan# 1956
Delta R.T. -0.002 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:212 Resp: 3297
Ion Ratio Lower Upper
212 100
106 8.3 6.0 9.0
104 5.0 3.5 5.3

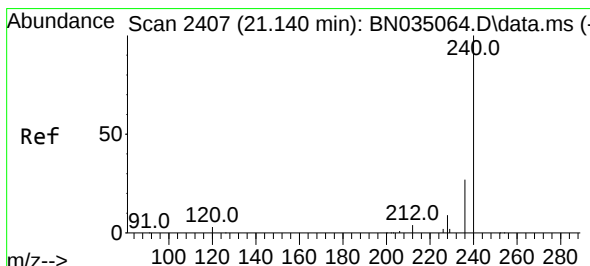
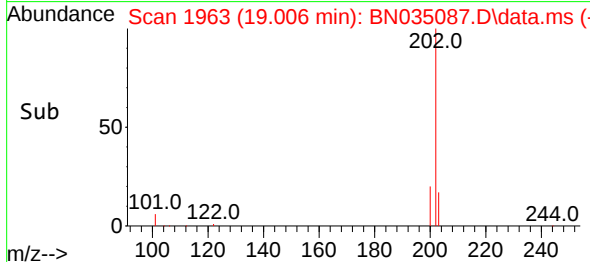
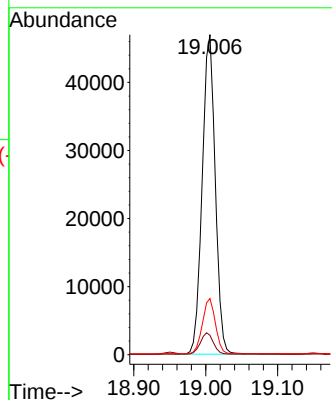
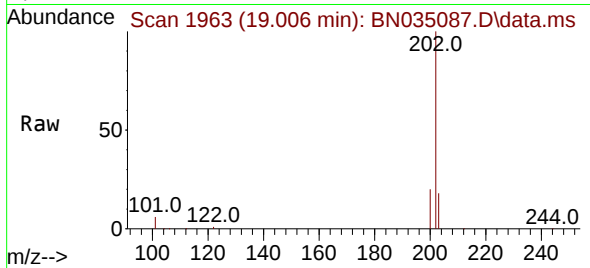




#28
Fluoranthene
Concen: 0.883 ng
RT: 19.006 min Scan# 1963
Delta R.T. 0.002 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

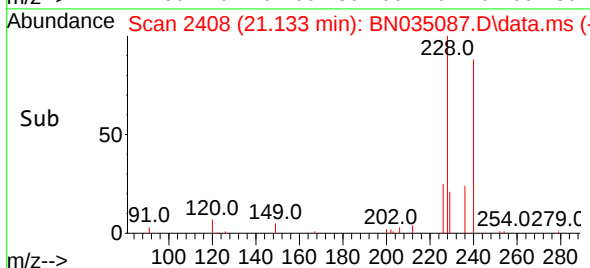
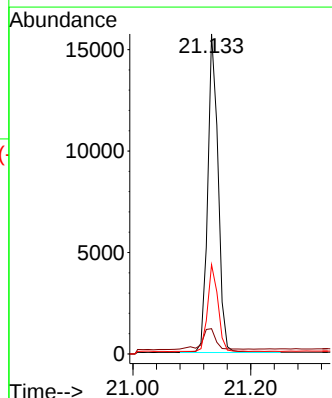
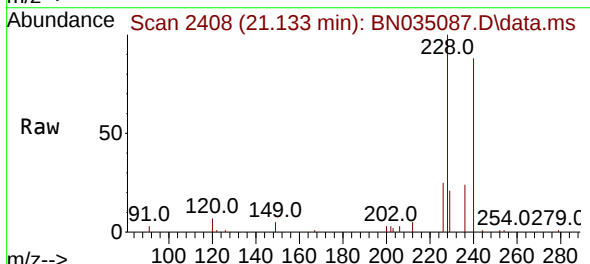
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

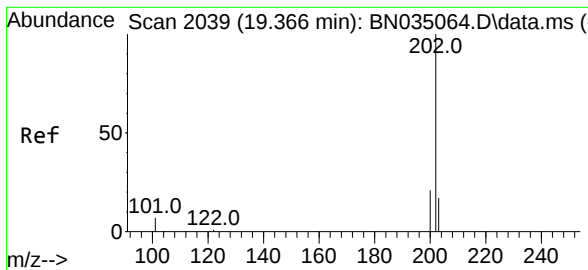
Tgt Ion:202 Resp: 59098
Ion Ratio Lower Upper
202 100
101 6.6 5.2 7.8
203 17.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.133 min Scan# 2408
Delta R.T. -0.007 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:240 Resp: 19193
Ion Ratio Lower Upper
240 100
120 7.9 3.8 5.6#
236 27.9 22.2 33.2

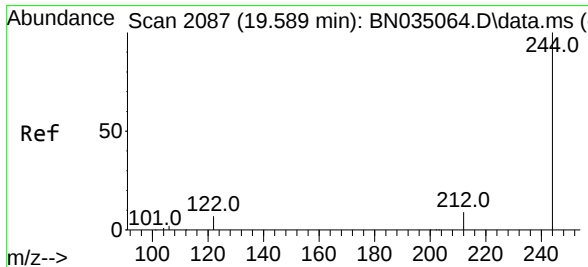
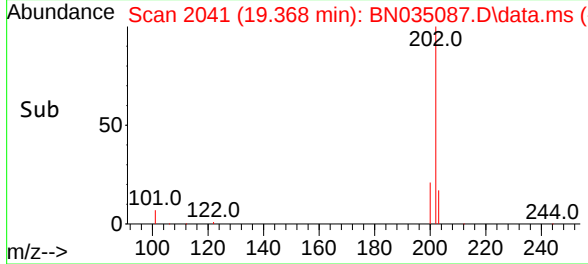
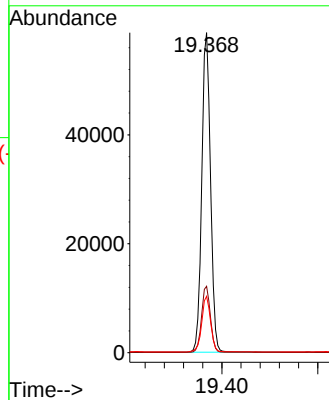
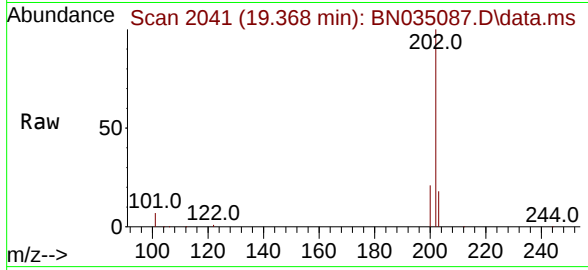




#30
Pyrene
Concen: 1.163 ng
RT: 19.368 min Scan# 2039
Delta R.T. 0.002 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

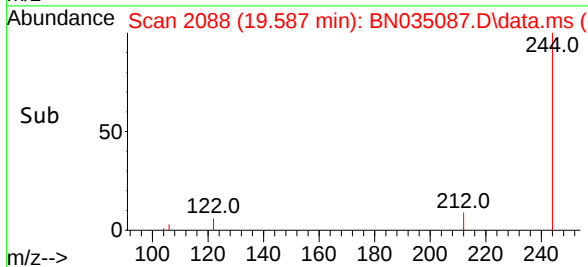
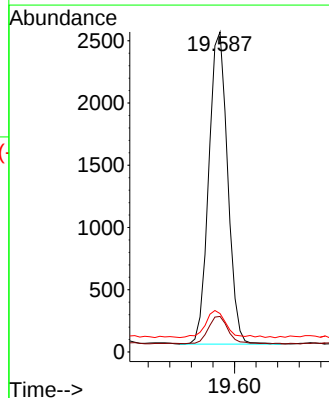
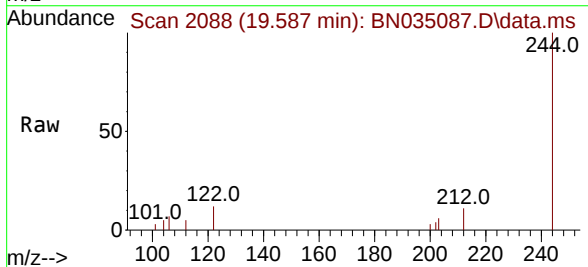
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

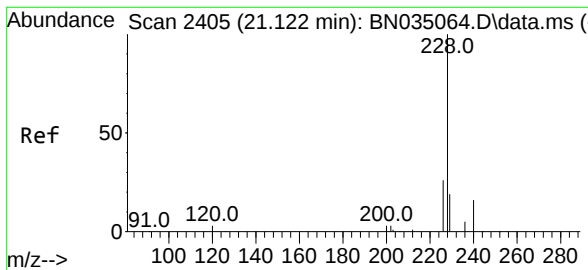
Tgt Ion:202 Resp: 74314
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.7 14.2 21.4



#31
Terphenyl-d14
Concen: 0.075 ng
RT: 19.587 min Scan# 2088
Delta R.T. -0.002 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:244 Resp: 3039
Ion Ratio Lower Upper
244 100
212 11.1 7.6 11.4
122 12.0 6.1 9.1#





#32

Benzo(a)anthracene

Concen: 1.349 ng

RT: 21.125 min Scan# 2407

Delta R.T. 0.002 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL

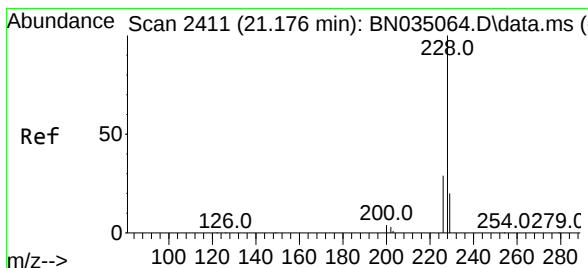
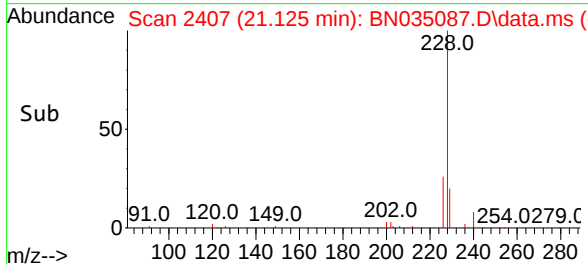
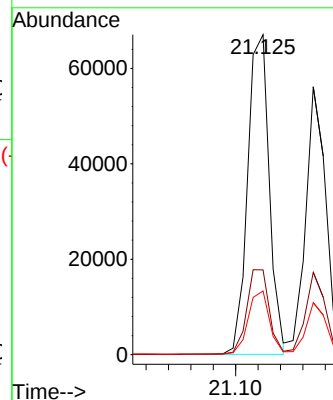
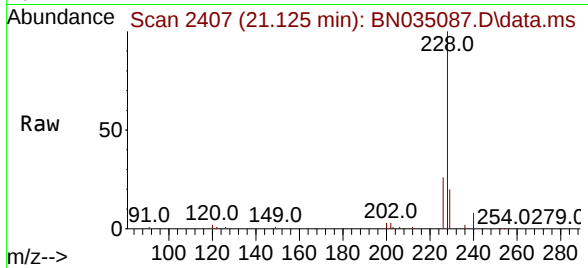
Tgt Ion:228 Resp: 90123

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.0

229 19.9 15.7 23.5



#33

Chrysene

Concen: 1.060 ng

RT: 21.169 min Scan# 2412

Delta R.T. -0.007 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

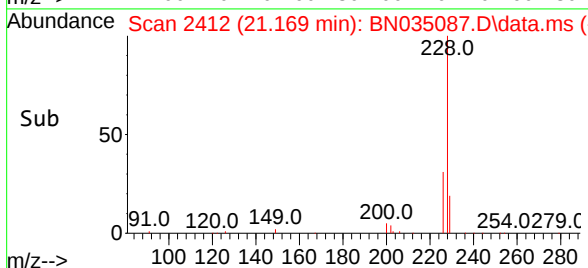
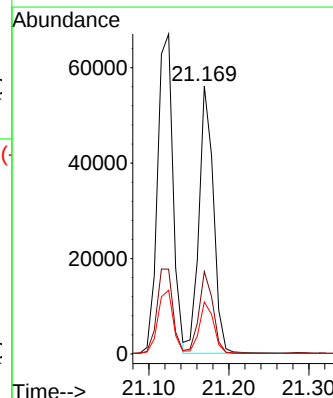
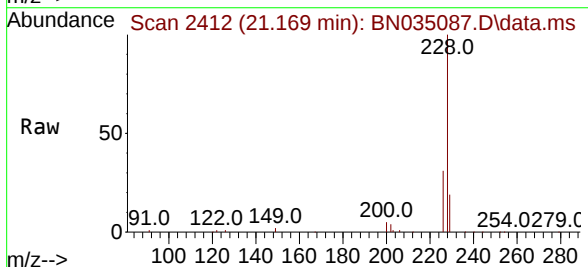
Tgt Ion:228 Resp: 70164

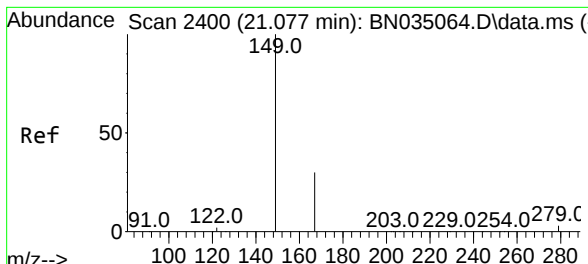
Ion Ratio Lower Upper

228 100

226 30.8 23.7 35.5

229 19.4 16.2 24.4



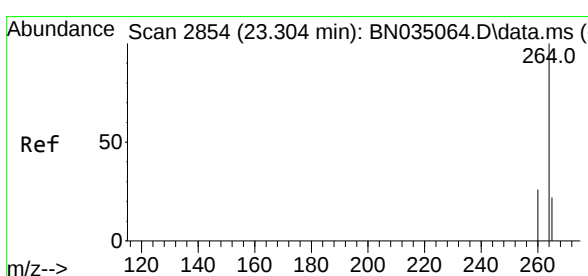
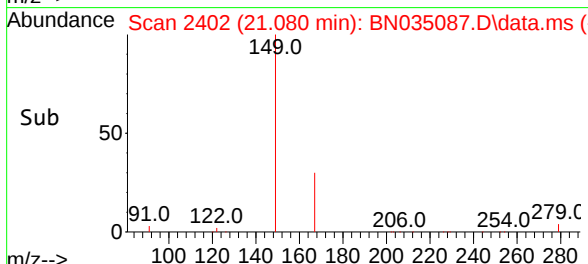
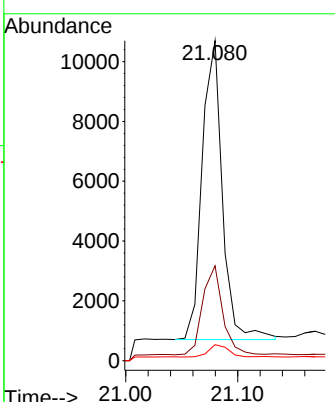
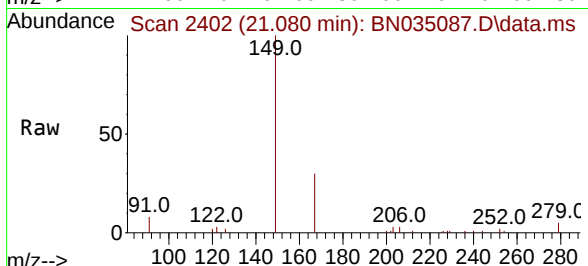


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.356 ng
 RT: 21.080 min Scan# 2402
 Delta R.T. 0.002 min
 Lab File: BN035087.D
 Acq: 14 Nov 2024 14:10

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILDL

Tgt Ion:149 Resp: 12480

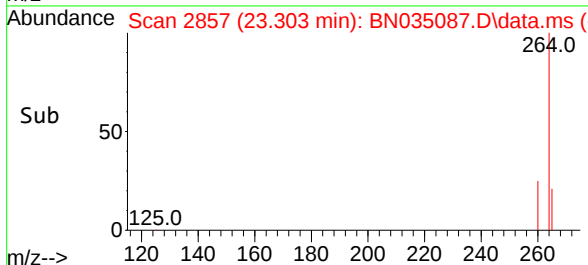
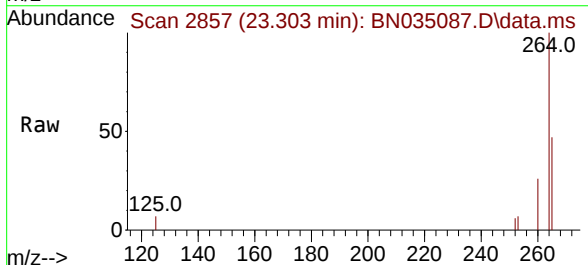
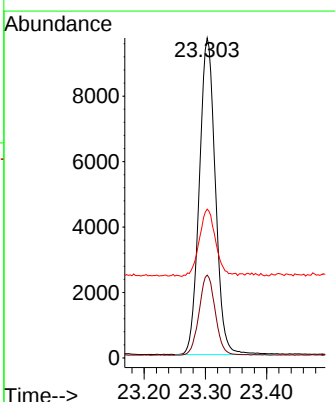
Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.2	34.8
279	4.3	3.2	4.8

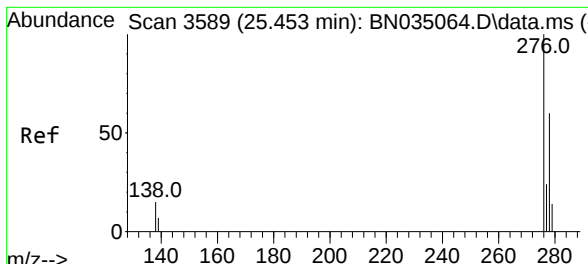


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.303 min Scan# 2857
 Delta R.T. -0.001 min
 Lab File: BN035087.D
 Acq: 14 Nov 2024 14:10

Tgt Ion:264 Resp: 17654

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.9	31.3
265	46.5	35.4	53.2

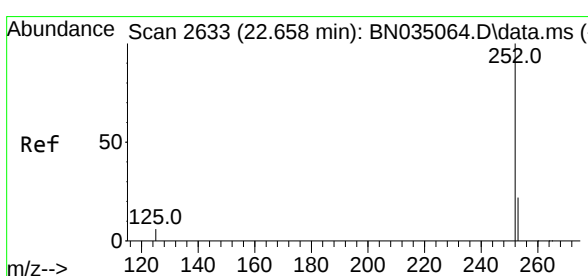
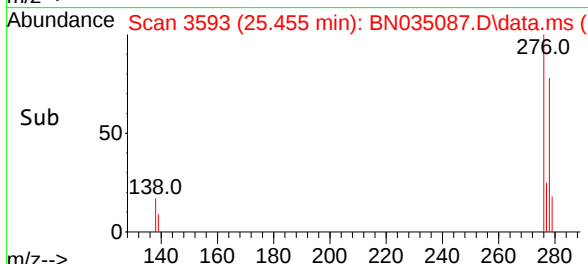
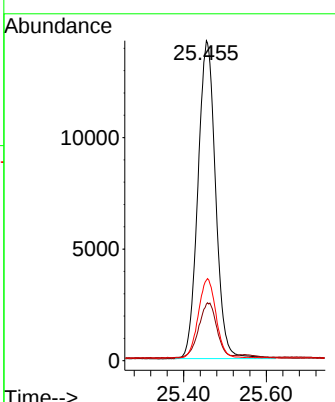
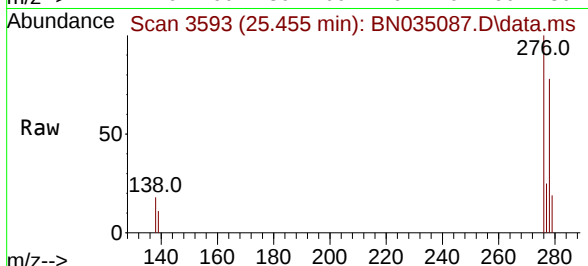




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.601 ng
 RT: 25.455 min Scan# 3593
 Delta R.T. 0.002 min
 Lab File: BN035087.D
 Acq: 14 Nov 2024 14:10

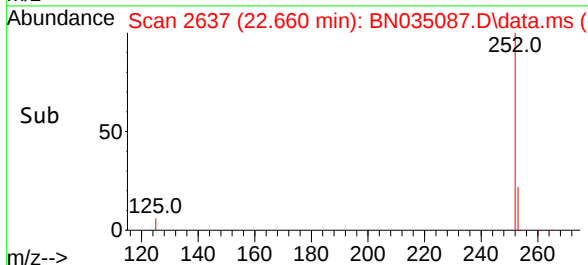
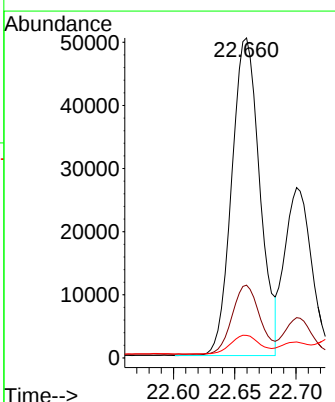
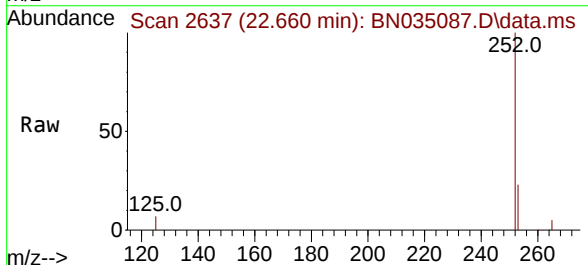
Instrument : BNA_N
 ClientSampleId : PT-PAH-SOILD

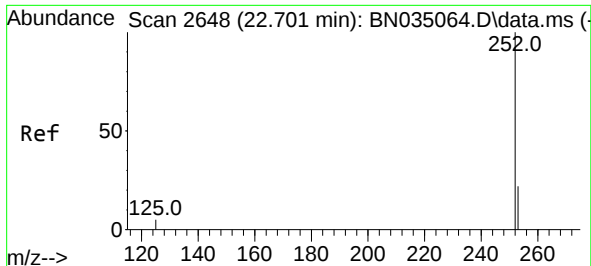
Tgt Ion:	276	Resp:	42313
Ion Ratio	Lower	Upper	
276	100		
138	17.7	13.0	19.4
277	24.8	19.8	29.6



#37
 Benzo(b)fluoranthene
 Concen: 1.349 ng
 RT: 22.660 min Scan# 2637
 Delta R.T. 0.002 min
 Lab File: BN035087.D
 Acq: 14 Nov 2024 14:10

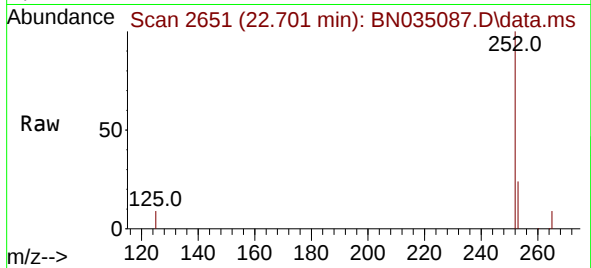
Tgt Ion:	252	Resp:	80139
Ion Ratio	Lower	Upper	
252	100		
253	22.8	19.3	28.9
125	7.1	6.2	9.2



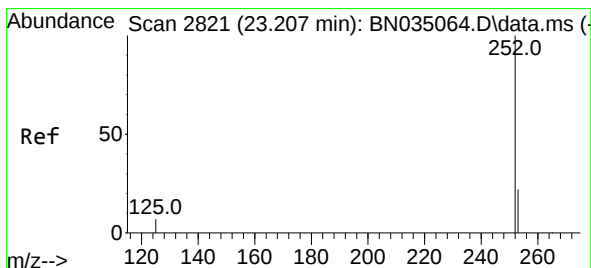
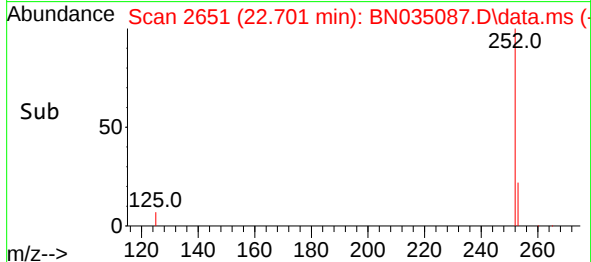
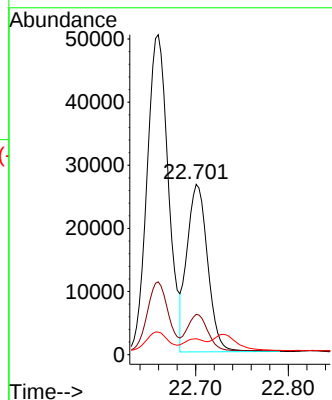


#38
Benzo(k)fluoranthene
Concen: 0.689 ng
RT: 22.701 min Scan# 2648
Delta R.T. -0.001 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

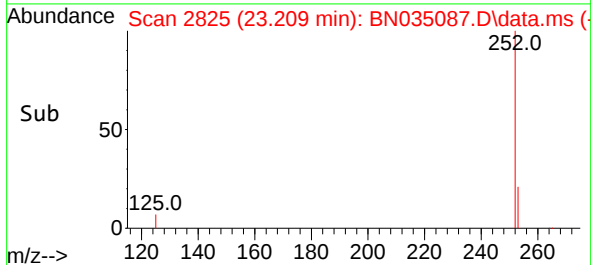
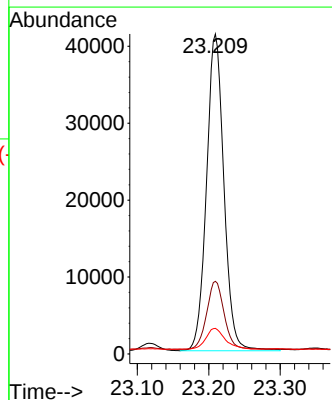
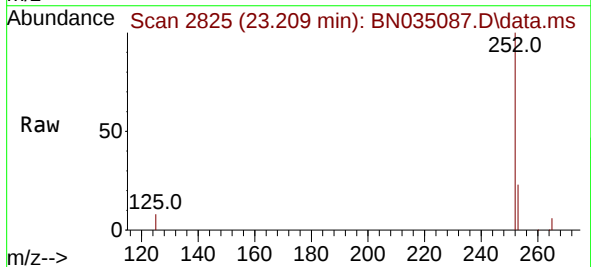


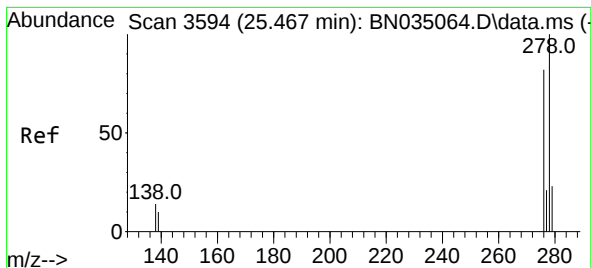
Tgt Ion:252 Resp: 40922
Ion Ratio Lower Upper
252 100
253 23.6 19.5 29.3
125 9.4 6.5 9.7



#39
Benzo(a)pyrene
Concen: 1.333 ng
RT: 23.209 min Scan# 2825
Delta R.T. 0.002 min
Lab File: BN035087.D
Acq: 14 Nov 2024 14:10

Tgt Ion:252 Resp: 69681
Ion Ratio Lower Upper
252 100
253 22.7 20.1 30.1
125 8.0 7.5 11.3





#40

Dibenzo(a,h)anthracene

Concen: 0.795 ng

RT: 25.472 min Scan# 31

Delta R.T. 0.005 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILD

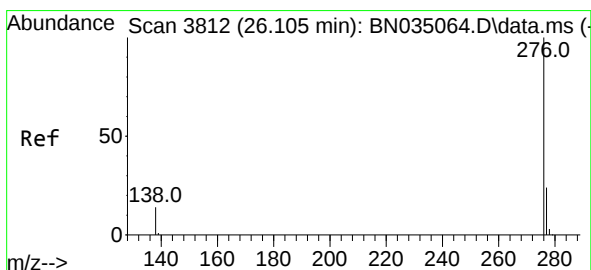
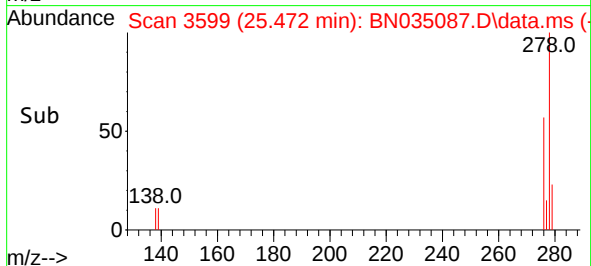
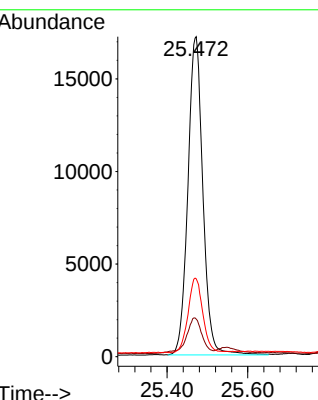
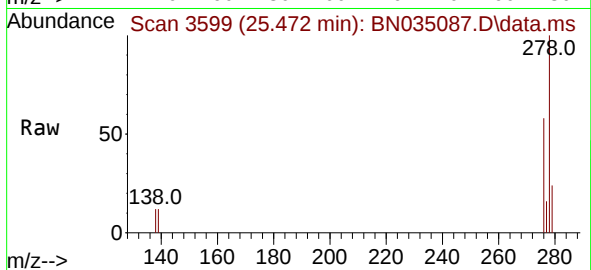
Tgt Ion:278 Resp: 44339

Ion Ratio Lower Upper

278 100

139 11.7 9.3 13.9

279 24.4 19.7 29.5



#41

Benzo(g,h,i)perylene

Concen: 0.245 ng

RT: 26.107 min Scan# 3816

Delta R.T. 0.002 min

Lab File: BN035087.D

Acq: 14 Nov 2024 14:10

Tgt Ion:276 Resp: 14526

Ion Ratio Lower Upper

276 100

277 25.0 19.9 29.9

138 16.5 11.6 17.4

