

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
 Data File : BN035088.D
 Acq On : 14 Nov 2024 14:59
 Operator : RC/JU
 Sample : P3845-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Nov 14 15:22:50 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

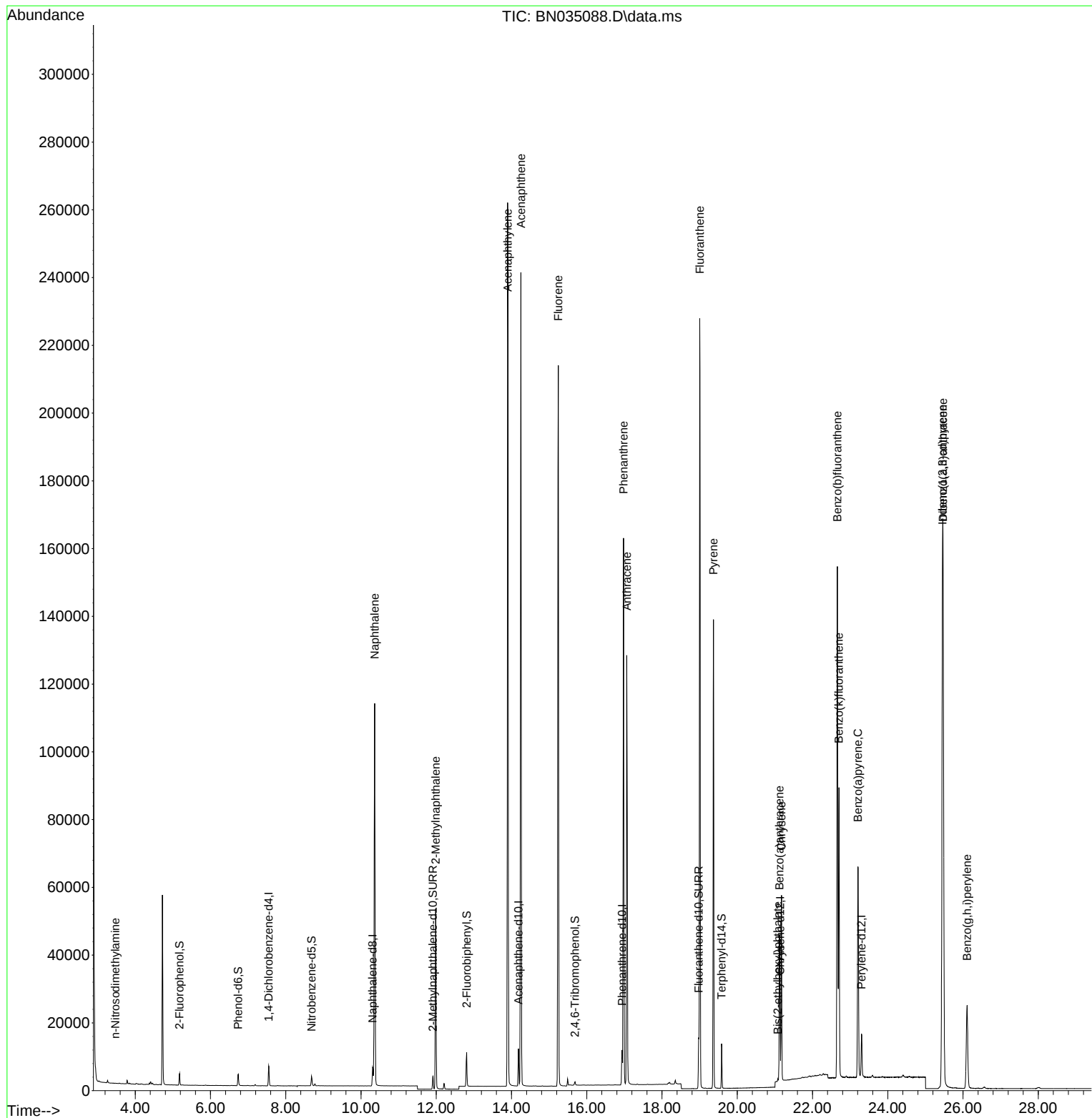
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	2895	0.400	ng	0.00
7) Naphthalene-d8	10.308	136	7667	0.400	ng	#-0.01
13) Acenaphthene-d10	14.186	164	5840	0.400	ng	0.00
19) Phenanthrene-d10	16.939	188	14410	0.400	ng	0.00
29) Chrysene-d12	21.140	240	15345	0.400	ng	0.00
35) Perylene-d12	23.304	264	15612	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.177	112	2661	0.362	ng	0.00
5) Phenol-d6	6.737	99	3490	0.379	ng	0.00
8) Nitrobenzene-d5	8.685	82	2546	0.382	ng	-0.01
11) 2-Methylnaphthalene-d10	11.912	152	5123	0.375	ng	0.00
14) 2,4,6-Tribromophenol	15.686	330	638	0.151	ng	0.00
15) 2-Fluorobiphenyl	12.807	172	8818	0.372	ng	0.00
27) Fluoranthene-d10	18.976	212	16379	0.371	ng	0.00
31) Terphenyl-d14	19.584	244	13028	0.405	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.473	42	81	0.033	ng	# 60
9) Naphthalene	10.362	128	136991	6.844	ng	97
12) 2-Methylnaphthalene	11.984	142	36236	2.454	ng	98
16) Acenaphthylene	13.898	152	289166	11.586	ng	100
17) Acenaphthene	14.251	154	113519	6.940	ng	99
18) Fluorene	15.245	166	137940	5.733	ng	99
25) Phenanthrene	16.977	178	152290	4.016	ng	99
26) Anthracene	17.064	178	127788	3.669	ng	100
28) Fluoranthene	19.004	202	205501	3.941	ng	100
30) Pyrene	19.366	202	120690	2.362	ng	100
32) Benzo(a)anthracene	21.122	228	31494	0.589	ng	100
33) Chrysene	21.176	228	45708	0.864	ng	99
34) Bis(2-ethylhexyl)phtha...	21.078	149	686	0.024	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.453	276	202352	3.249	ng	100
37) Benzo(b)fluoranthene	22.660	252	186785	3.556	ng	96
38) Benzo(k)fluoranthene	22.701	252	101136	1.924	ng	95
39) Benzo(a)pyrene	23.207	252	86728	1.876	ng	# 95
40) Dibenzo(a,h)anthracene	25.470	278	158434	3.211	ng	98
41) Benzo(g,h,i)perylene	26.108	276	49474	0.943	ng	98

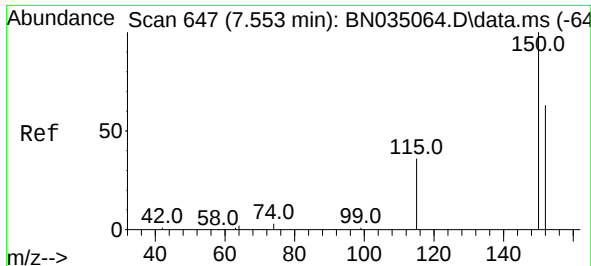
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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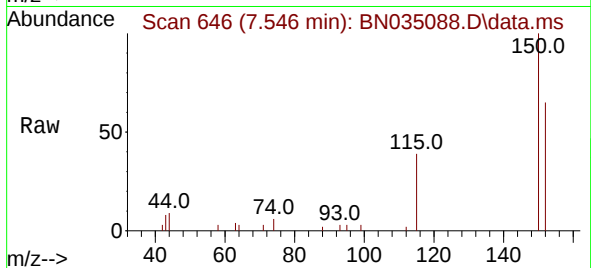
Quant Time: Nov 14 15:22:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 17:18:14 2024
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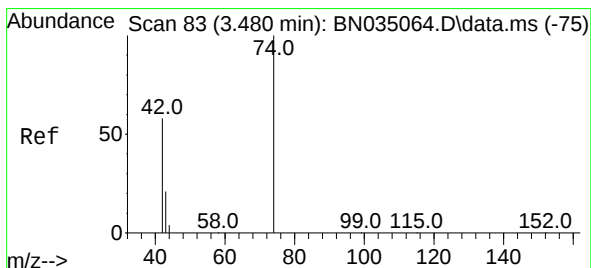
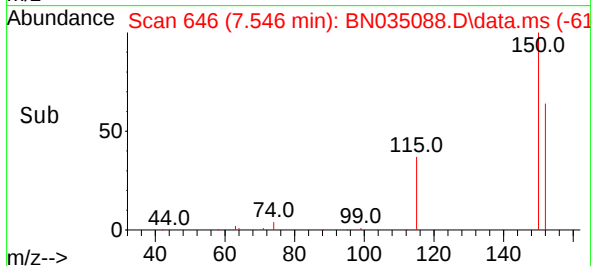
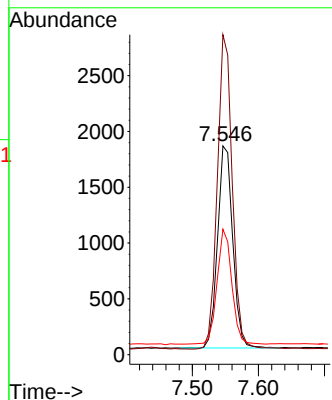


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.546 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

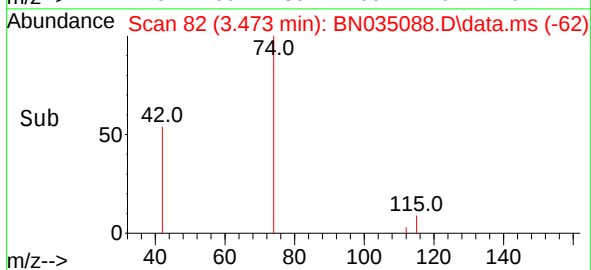
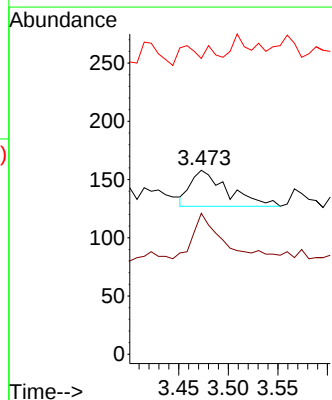
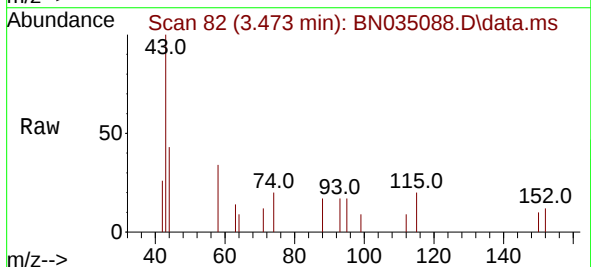


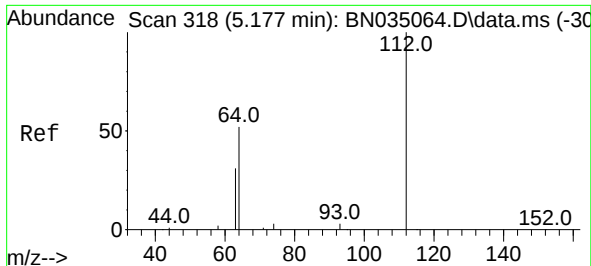
Tgt Ion:152 Resp: 2895
Ion Ratio Lower Upper
152 100
150 153.2 124.5 186.7
115 60.1 47.8 71.6



#3
n-Nitrosodimethylamine
Concen: 0.033 ng
RT: 3.473 min Scan# 82
Delta R.T. -0.007 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

Tgt Ion: 42 Resp: 81
Ion Ratio Lower Upper
42 100
74 98.8 120.8 181.2#
44 8.6 2.9 4.3#





#4

2-Fluorophenol

Concen: 0.362 ng

RT: 5.177 min Scan# 318

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

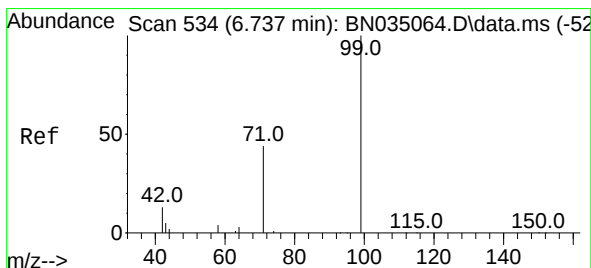
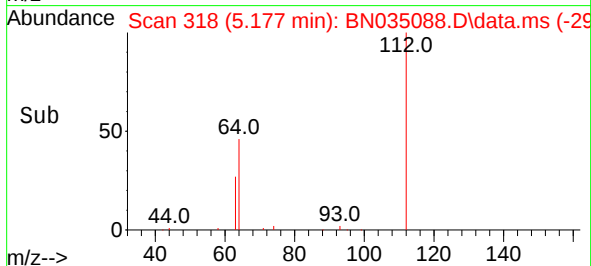
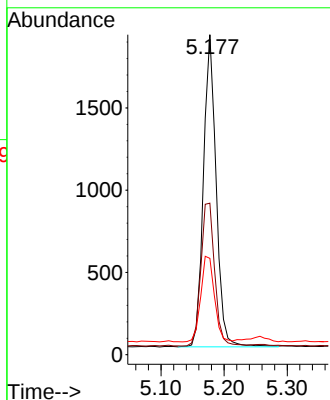
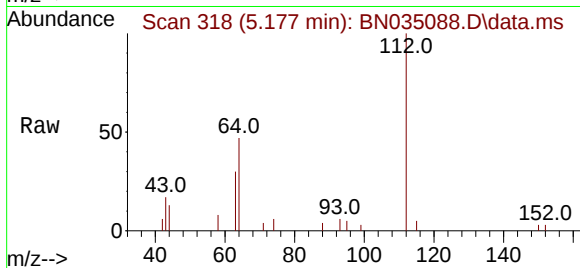
Tgt Ion:112 Resp: 2661

Ion Ratio Lower Upper

112 100

64 49.9 39.7 59.5

63 29.4 23.0 34.4



#5

Phenol-d6

Concen: 0.379 ng

RT: 6.737 min Scan# 534

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

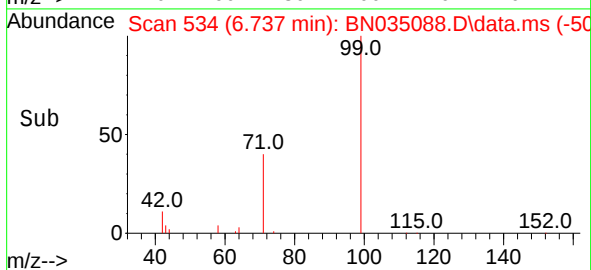
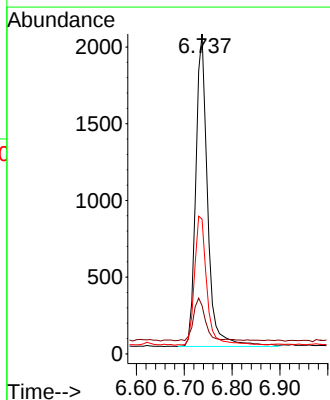
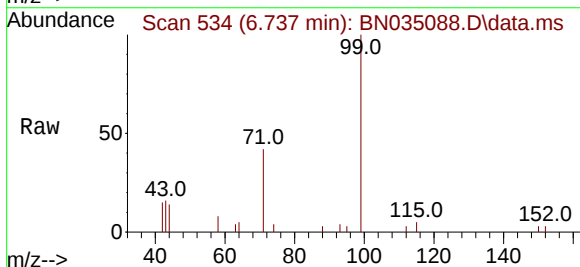
Tgt Ion: 99 Resp: 3490

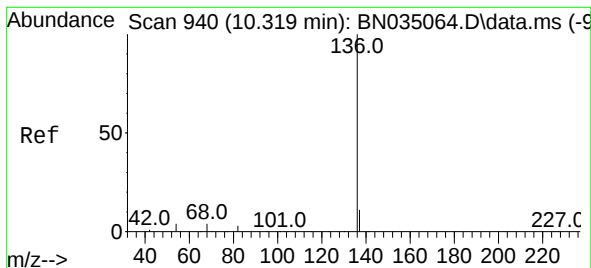
Ion Ratio Lower Upper

99 100

42 13.4 11.4 17.0

71 43.2 34.6 51.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.308 min Scan# 940

Delta R.T. -0.011 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

Tgt Ion:136 Resp: 7667

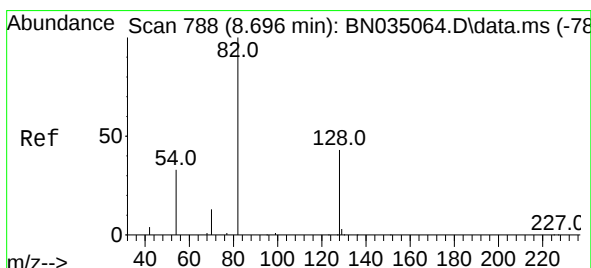
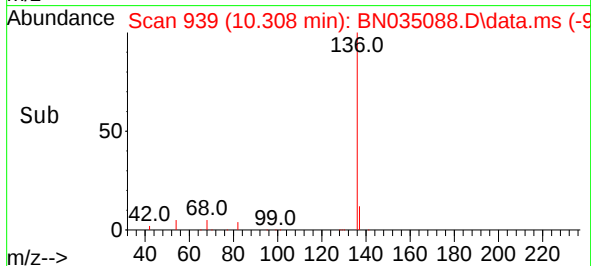
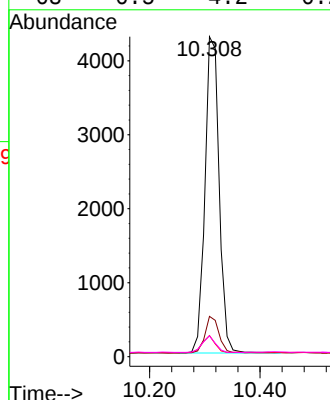
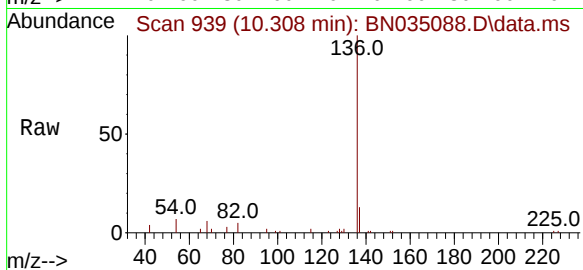
Ion Ratio Lower Upper

136 100

137 12.6 9.8 14.8

54 6.6 4.0 6.0#

68 6.5 4.2 6.2#



#8

Nitrobenzene-d5

Concen: 0.382 ng

RT: 8.685 min Scan# 787

Delta R.T. -0.011 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

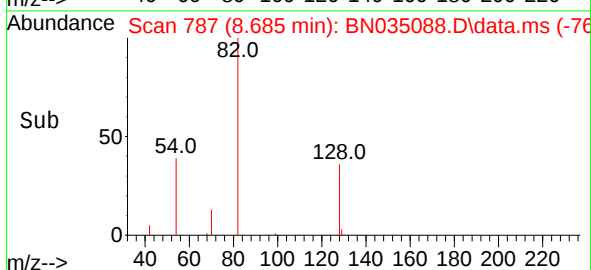
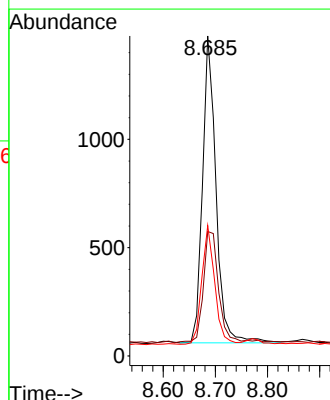
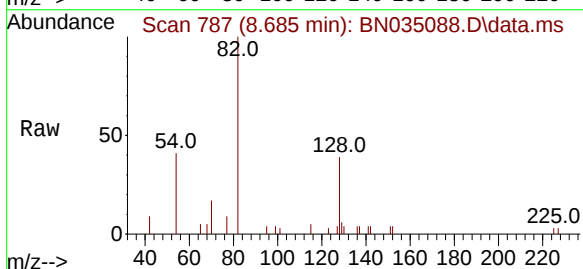
Tgt Ion: 82 Resp: 2546

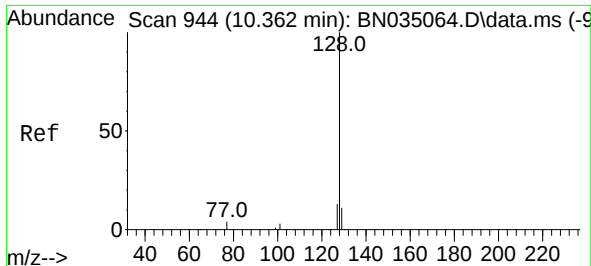
Ion Ratio Lower Upper

82 100

128 38.9 36.5 54.7

54 40.8 28.7 43.1

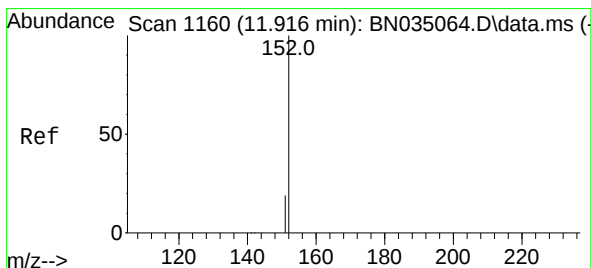
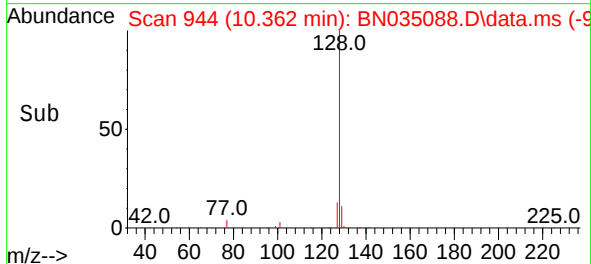
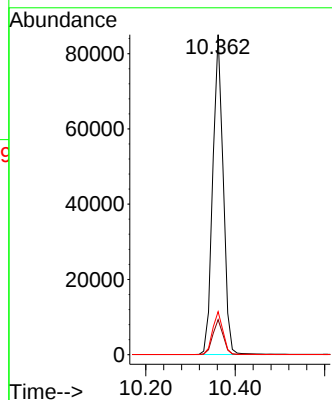
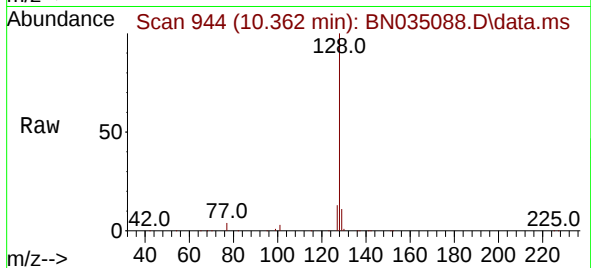




#9
Naphthalene
Concen: 6.844 ng
RT: 10.362 min Scan# 944
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

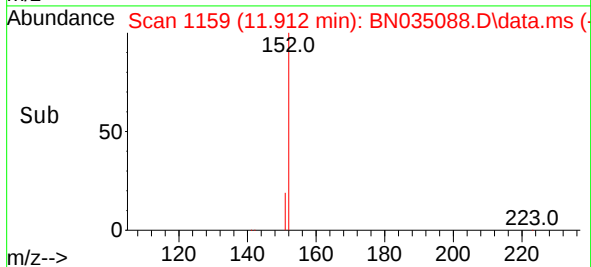
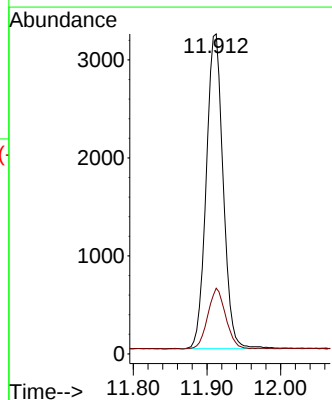
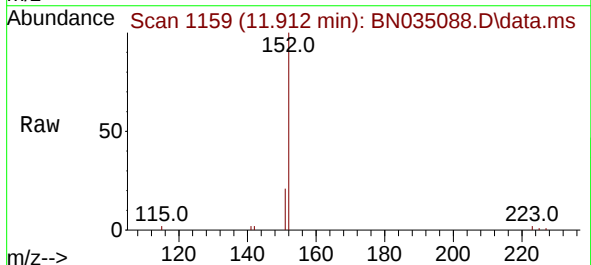
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

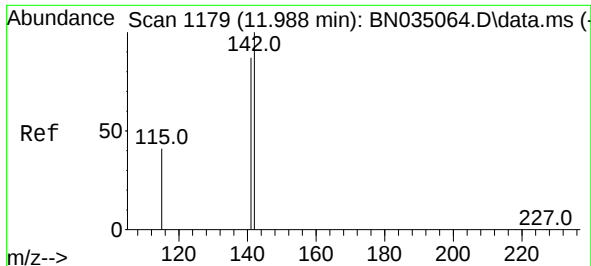
Tgt Ion:128 Resp: 136991
Ion Ratio Lower Upper
128 100
129 10.9 9.6 14.4
127 13.5 11.6 17.4



#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.912 min Scan# 1159
Delta R.T. -0.004 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

Tgt Ion:152 Resp: 5123
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4





#12

2-Methylnaphthalene

Concen: 2.454 ng

RT: 11.984 min Scan# 1178

Delta R.T. -0.004 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

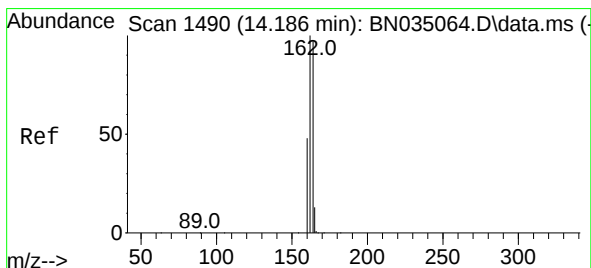
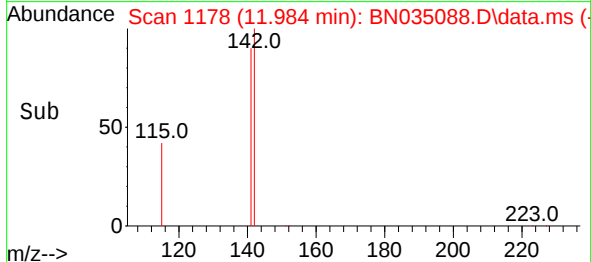
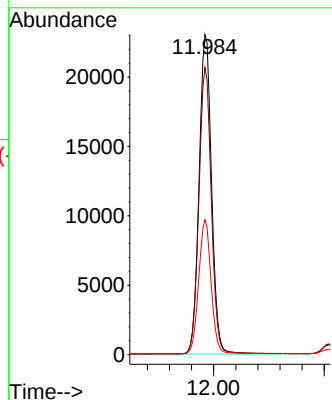
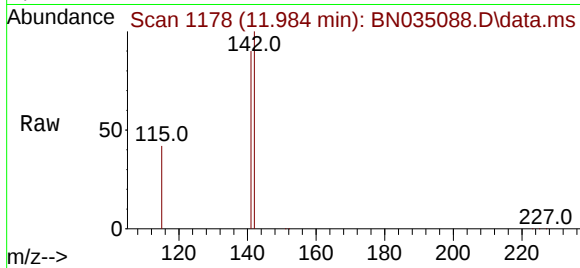
Tgt Ion:142 Resp: 36236

Ion Ratio Lower Upper

142 100

141 89.7 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: BN035088.D

Acq: 14 Nov 2024 14:59

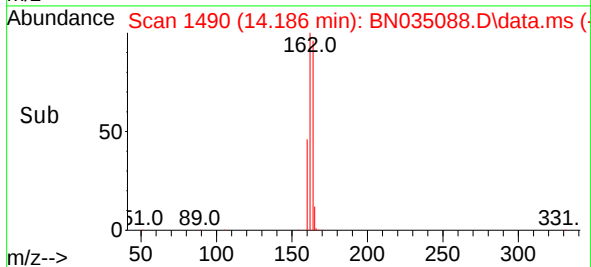
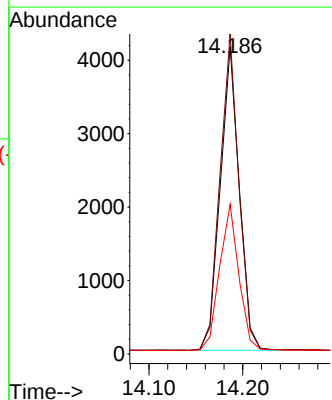
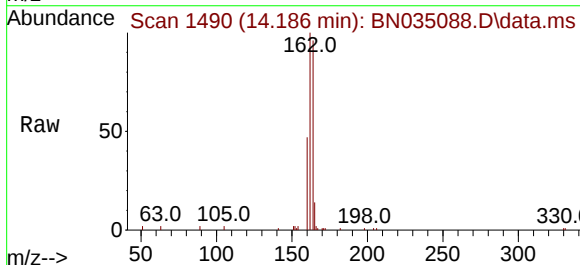
Tgt Ion:164 Resp: 5840

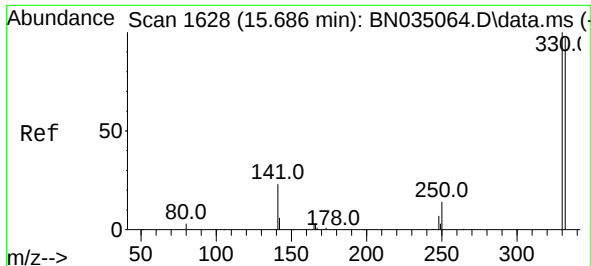
Ion Ratio Lower Upper

164 100

162 104.0 82.2 123.2

160 48.7 40.2 60.4

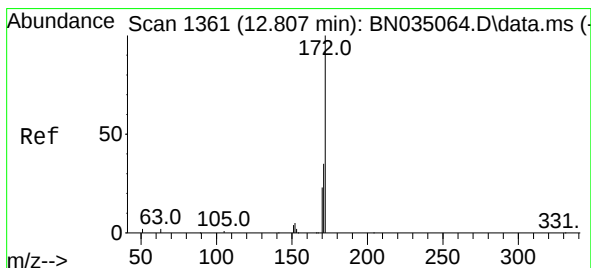
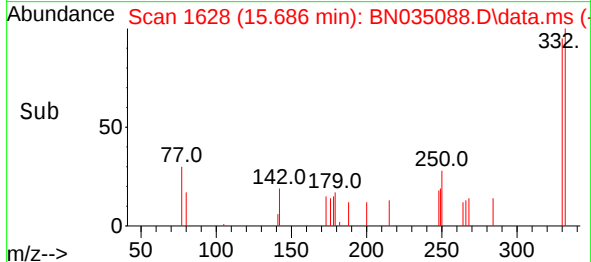
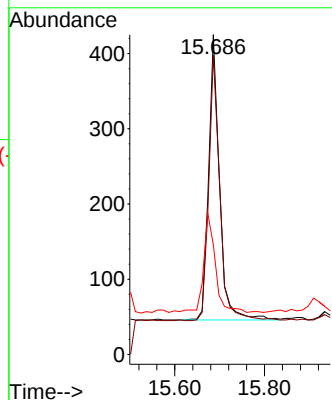
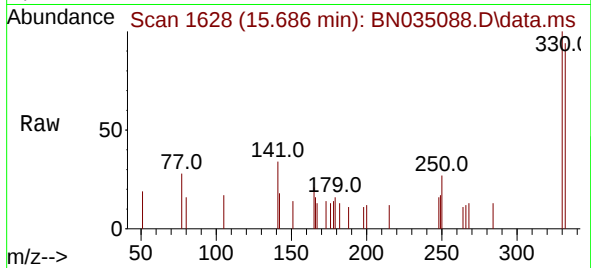




#14
2,4,6-Tribromophenol
Concen: 0.151 ng
RT: 15.686 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

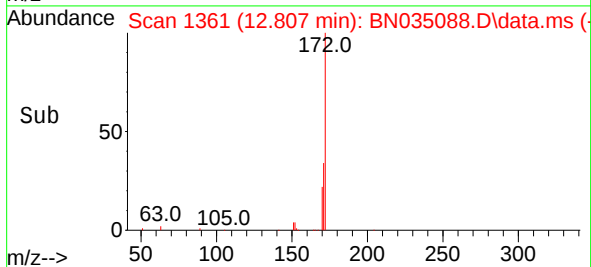
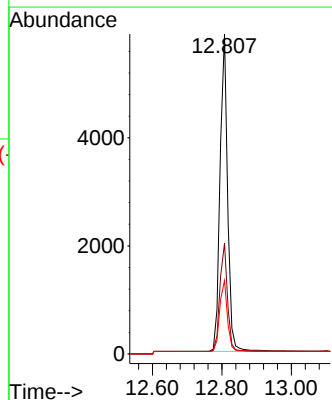
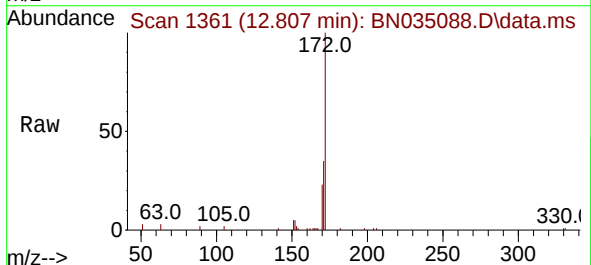
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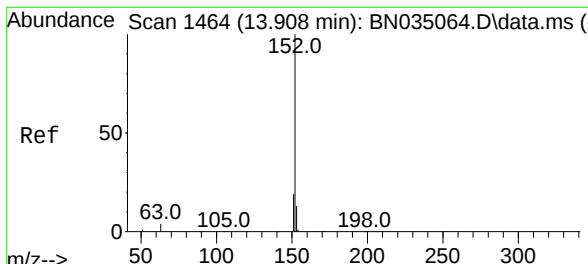
Tgt Ion:330 Resp: 638
Ion Ratio Lower Upper
330 100
332 94.8 76.9 115.3
141 37.1 29.6 44.4



#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.807 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

Tgt Ion:172 Resp: 8818
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 22.9 19.0 28.6

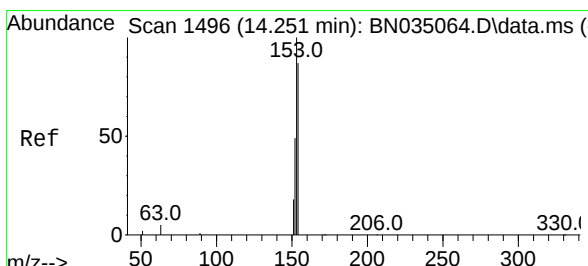
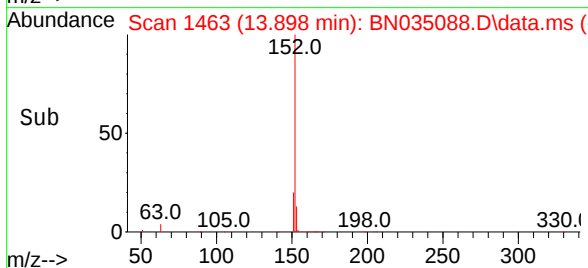
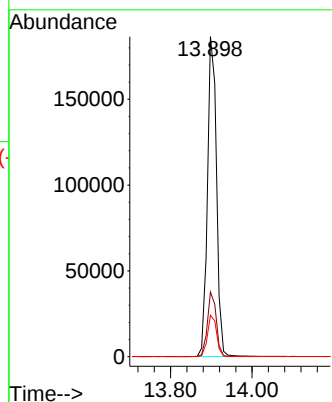
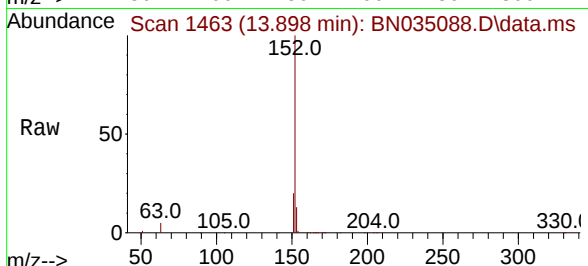




#16
Acenaphthylene
Concen: 11.586 ng
RT: 13.898 min Scan# 1463
Delta R.T. -0.011 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

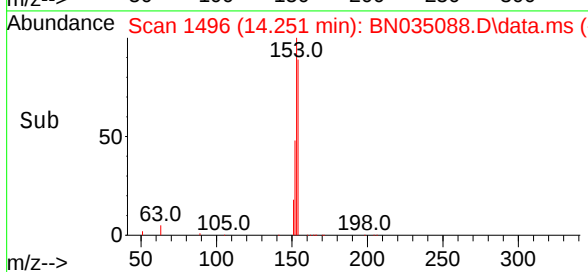
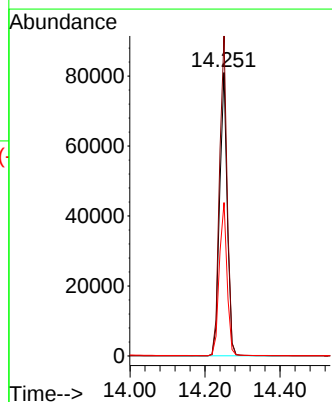
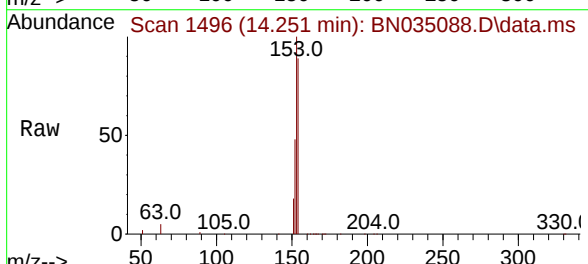
Instrument :
BNA_N
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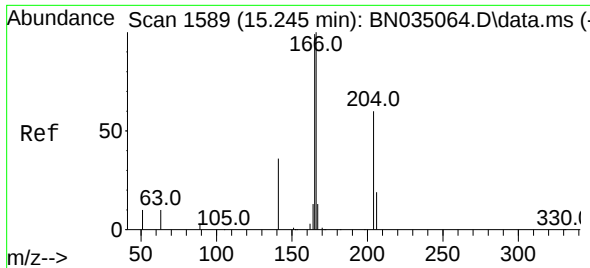
Tgt Ion:152 Resp: 289166
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.0 10.2 15.4



#17
Acenaphthene
Concen: 6.940 ng
RT: 14.251 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

Tgt Ion:154 Resp: 113519
Ion Ratio Lower Upper
154 100
153 113.8 91.6 137.4
152 55.3 45.8 68.6

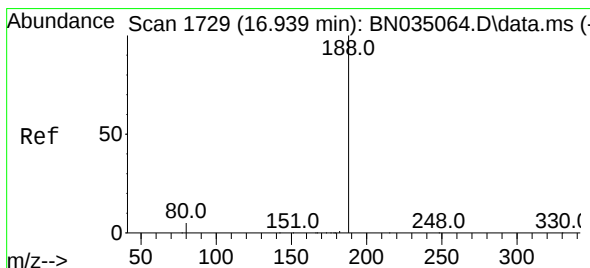
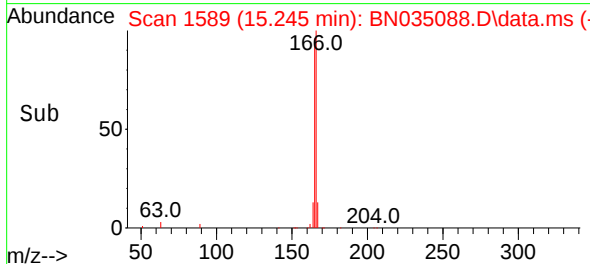
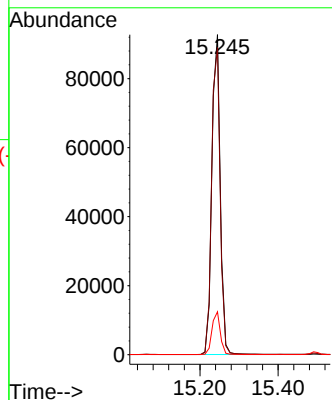
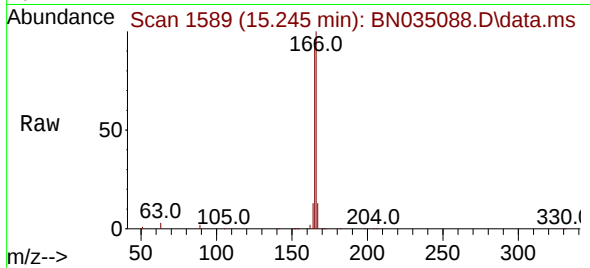




#18
Fluorene
Concen: 5.733 ng
RT: 15.245 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

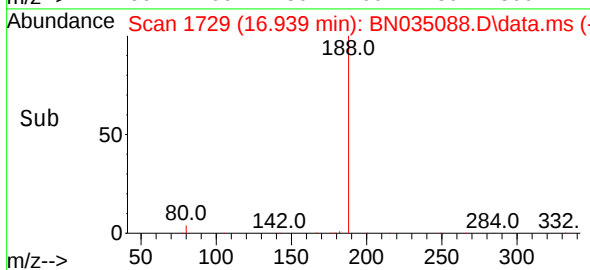
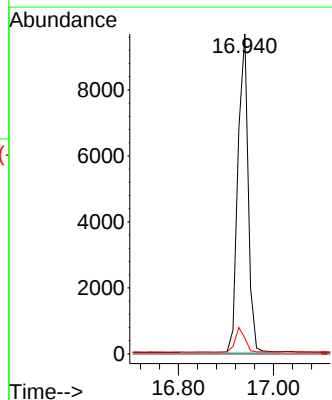
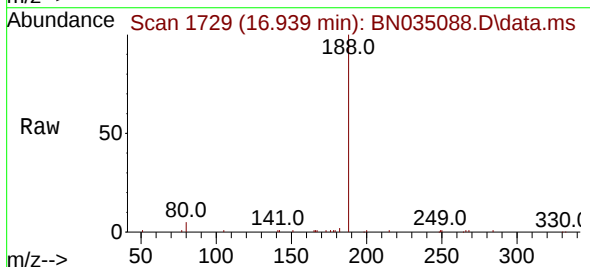
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

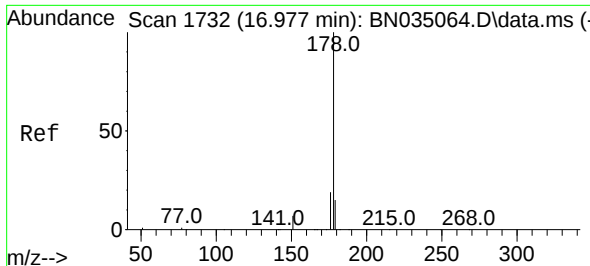
Tgt Ion:166 Resp: 137940
Ion Ratio Lower Upper
166 100
165 98.3 79.1 118.7
167 13.2 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

Tgt Ion:188 Resp: 14410
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.0 4.3 6.5





#25

Phenanthrene

Concen: 4.016 ng

RT: 16.977 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

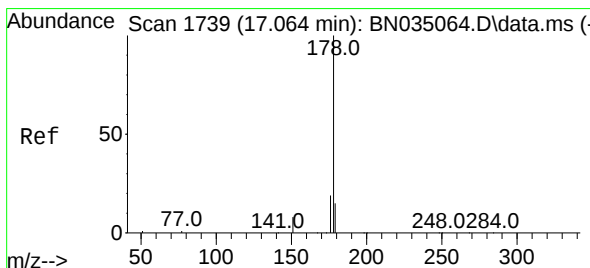
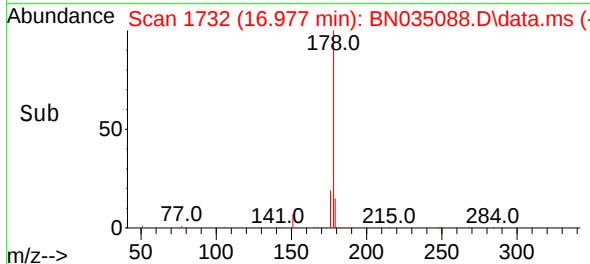
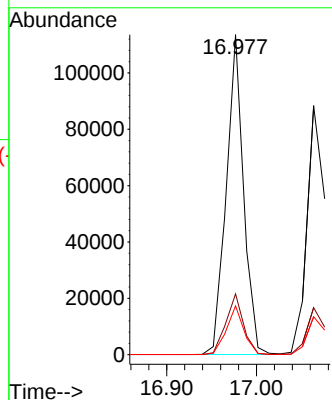
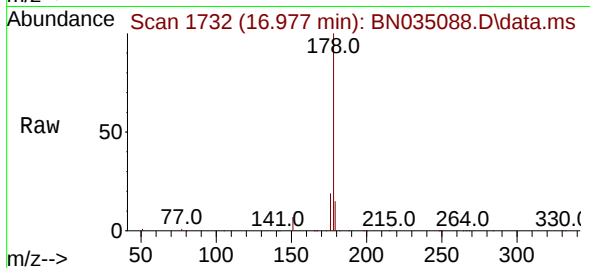
Tgt Ion:178 Resp: 152290

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.2 12.6 18.8



#26

Anthracene

Concen: 3.669 ng

RT: 17.064 min Scan# 1739

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

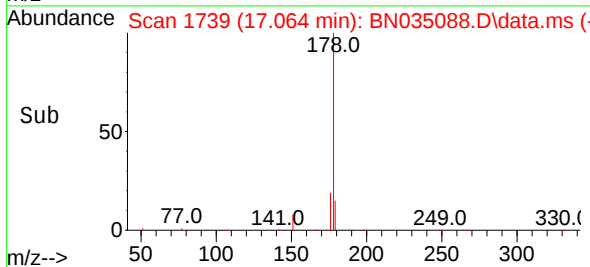
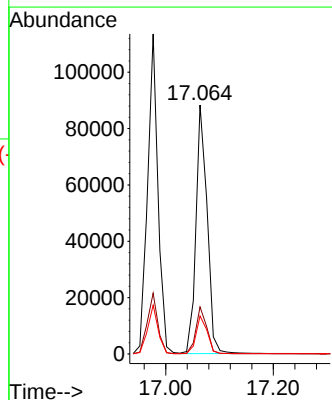
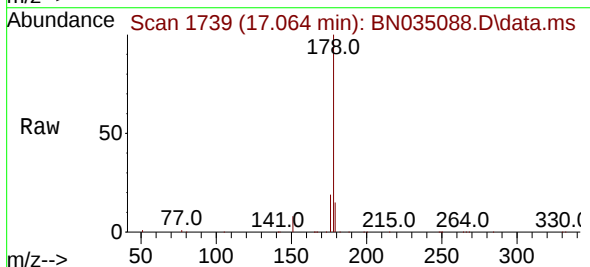
Tgt Ion:178 Resp: 127788

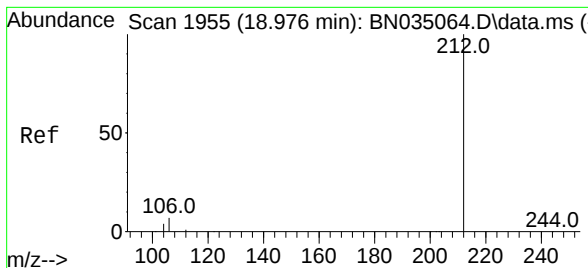
Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

179 15.3 12.2 18.2





#27

Fluoranthene-d10

Concen: 0.371 ng

RT: 18.976 min Scan# 1955

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

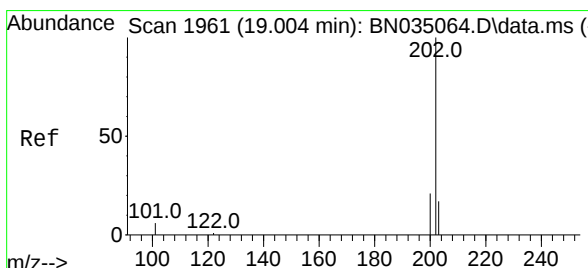
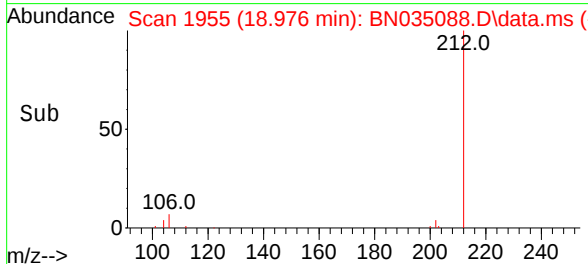
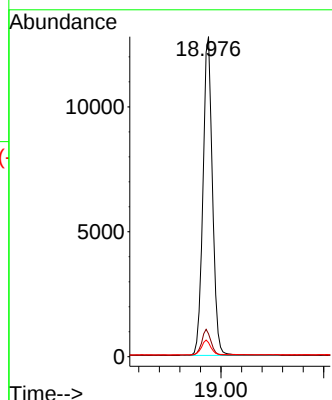
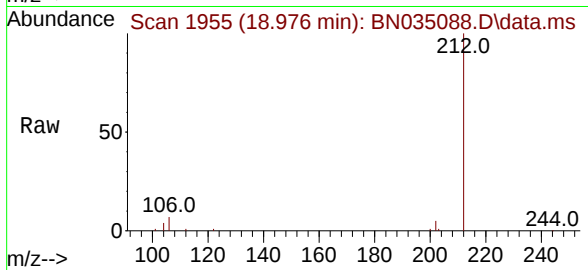
Tgt Ion:212 Resp: 16379

Ion Ratio Lower Upper

212 100

106 7.9 6.0 9.0

104 4.6 3.5 5.3



#28

Fluoranthene

Concen: 3.941 ng

RT: 19.004 min Scan# 1961

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

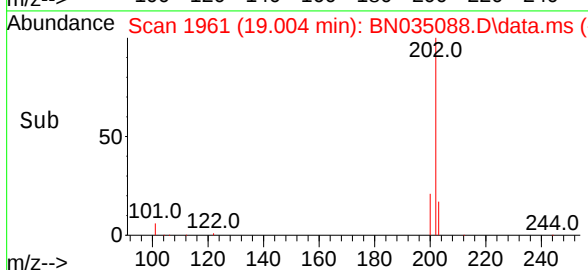
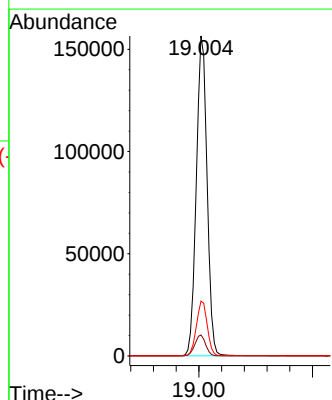
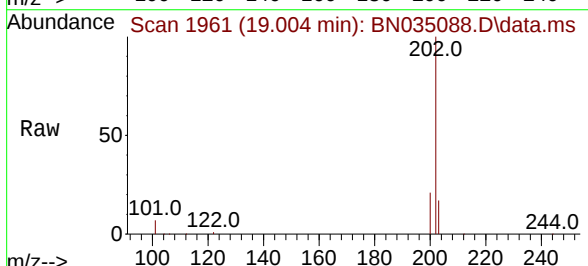
Tgt Ion:202 Resp: 205501

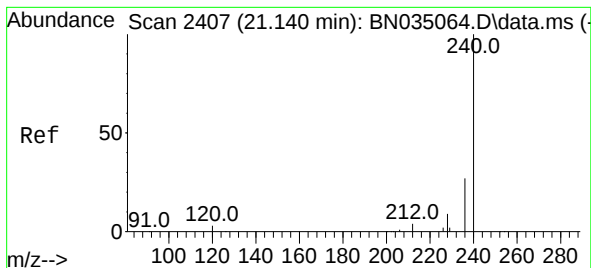
Ion Ratio Lower Upper

202 100

101 6.5 5.2 7.8

203 17.2 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: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

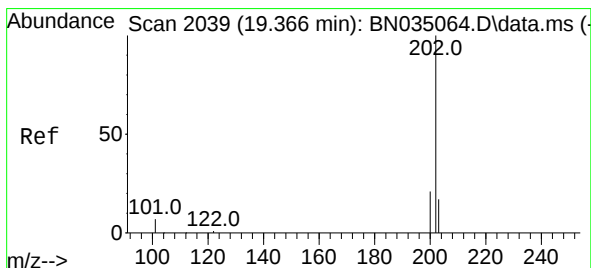
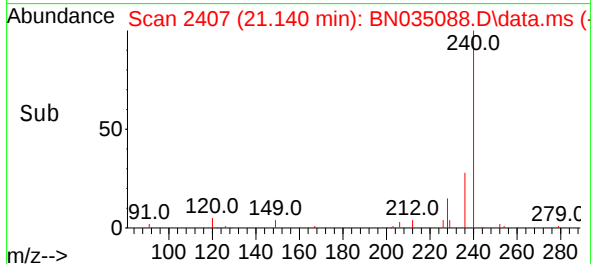
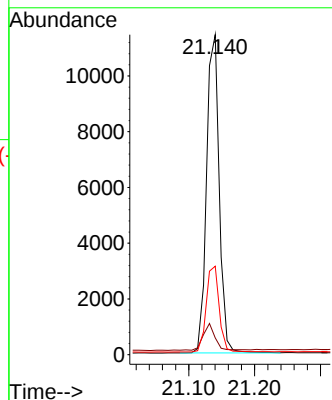
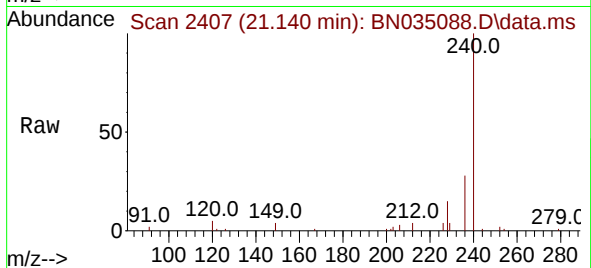
Tgt Ion:240 Resp: 15345

Ion Ratio Lower Upper

240 100

120 5.2 3.8 5.6

236 27.6 22.2 33.2



#30

Pyrene

Concen: 2.362 ng

RT: 19.366 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

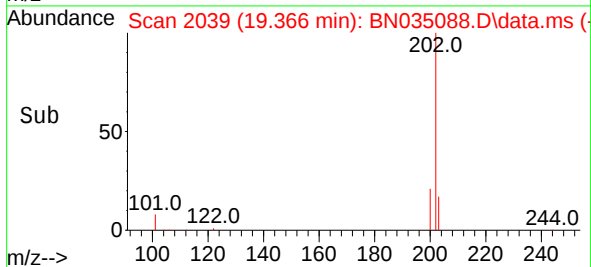
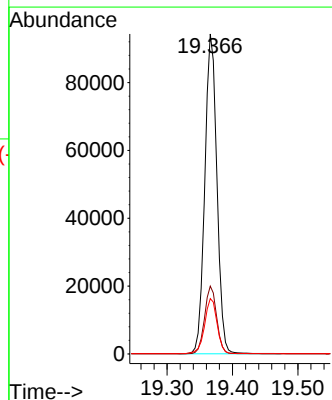
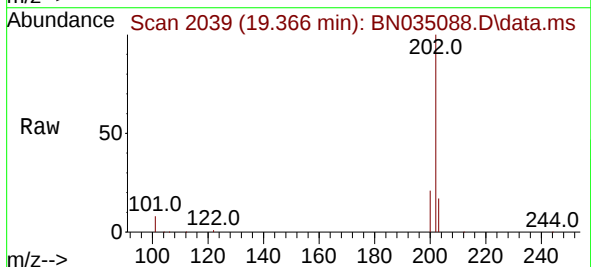
Tgt Ion:202 Resp: 120690

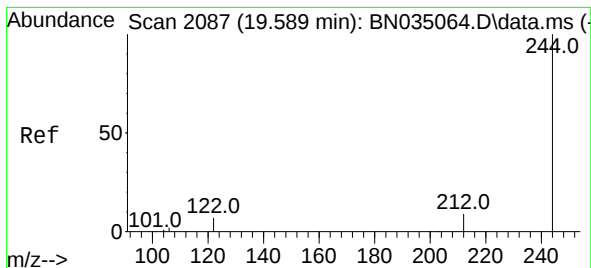
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.8 14.2 21.4





#31

Terphenyl-d14

Concen: 0.405 ng

RT: 19.584 min Scan# 2087

Delta R.T. -0.005 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

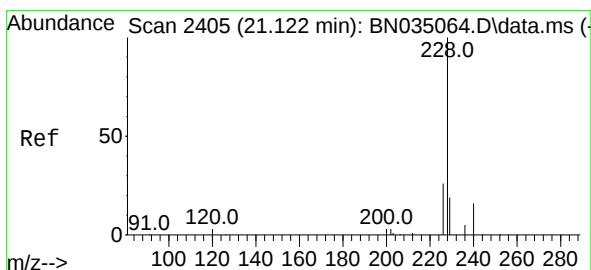
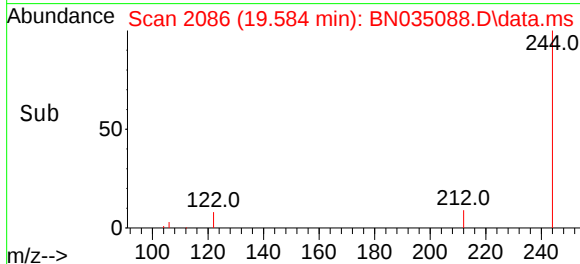
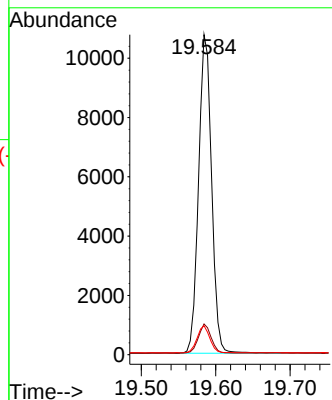
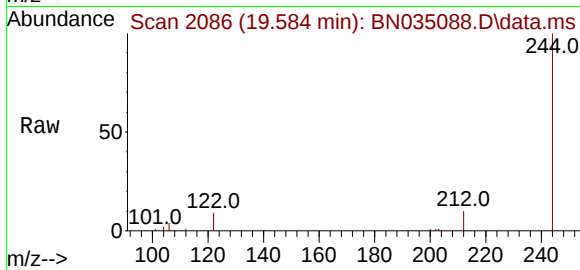
Tgt Ion:244 Resp: 13028

Ion Ratio Lower Upper

244 100

212 9.6 7.6 11.4

122 9.1 6.1 9.1



#32

Benzo(a)anthracene

Concen: 0.589 ng

RT: 21.122 min Scan# 2405

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

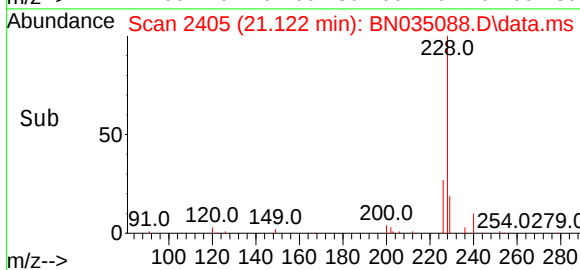
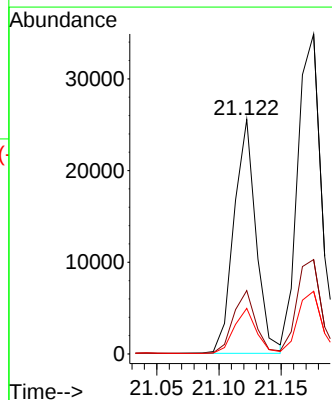
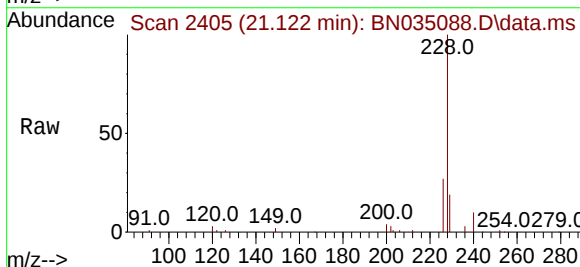
Tgt Ion:228 Resp: 31494

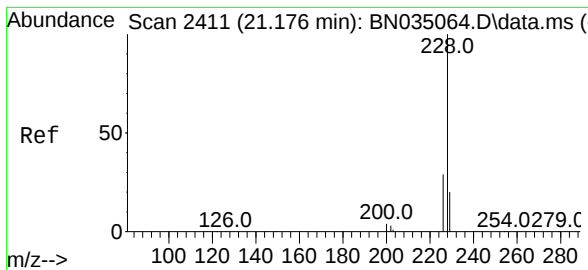
Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.0

229 19.5 15.7 23.5





#33

Chrysene

Concen: 0.864 ng

RT: 21.176 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

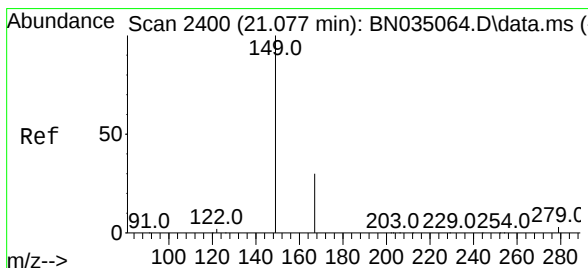
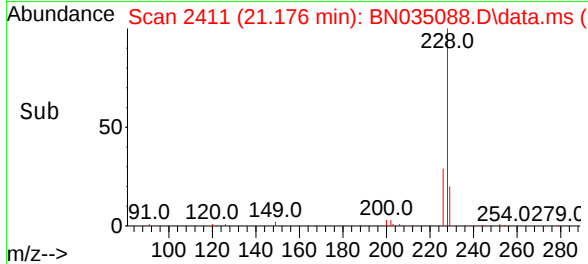
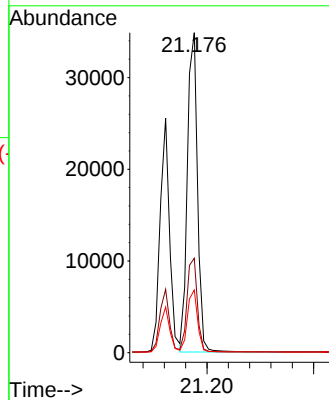
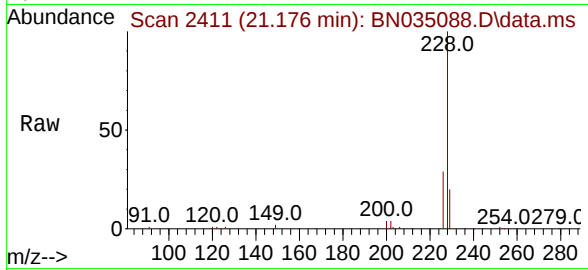
Tgt Ion:228 Resp: 45708

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 19.6 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.024 ng

RT: 21.078 min Scan# 2400

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

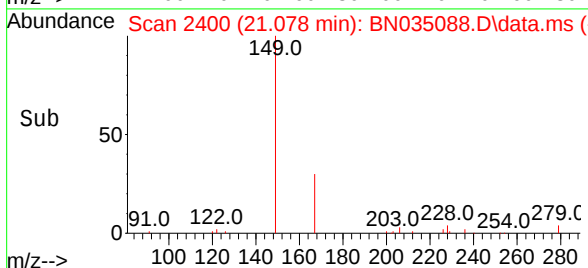
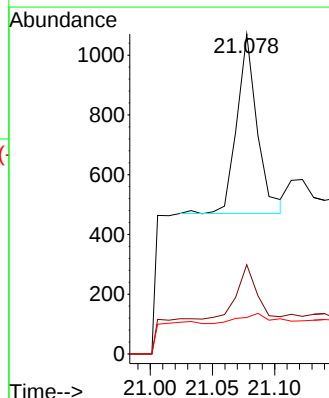
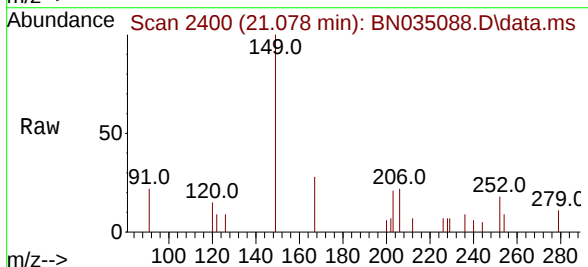
Tgt Ion:149 Resp: 686

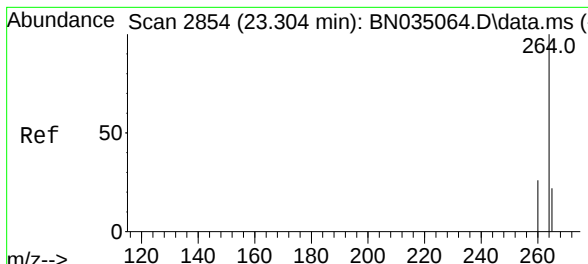
Ion Ratio Lower Upper

149 100

167 28.6 23.2 34.8

279 9.3 3.2 4.8#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

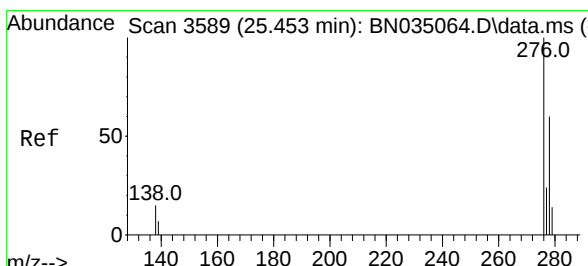
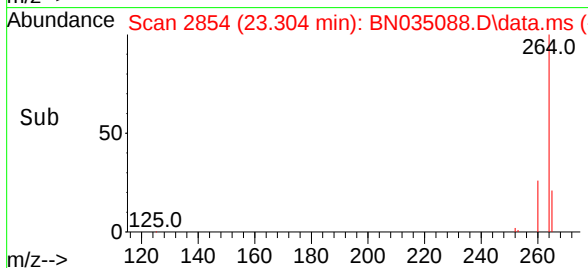
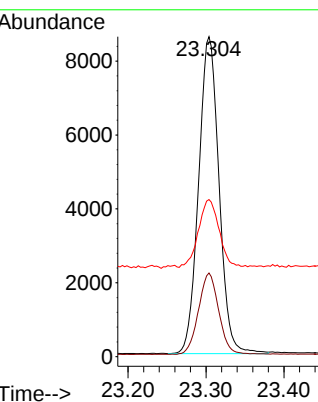
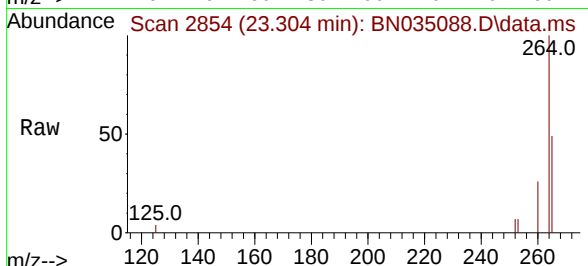
Tgt Ion:264 Resp: 15612

Ion Ratio Lower Upper

264 100

260 26.2 20.9 31.3

265 49.1 35.4 53.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.249 ng

RT: 25.453 min Scan# 3589

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

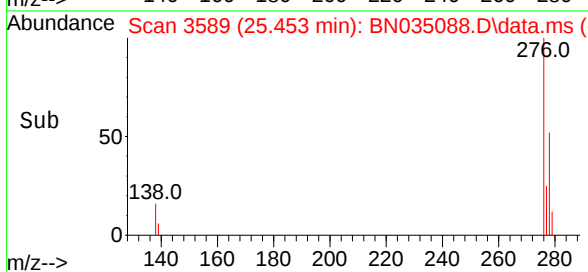
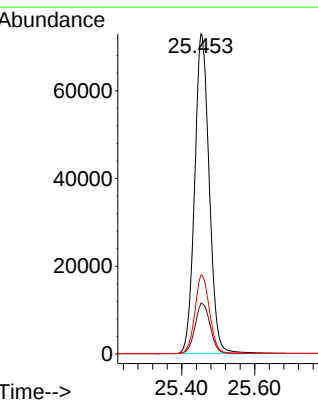
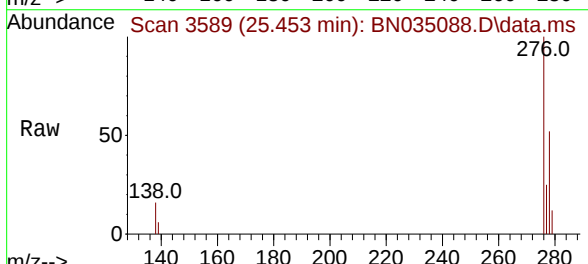
Tgt Ion:276 Resp: 202352

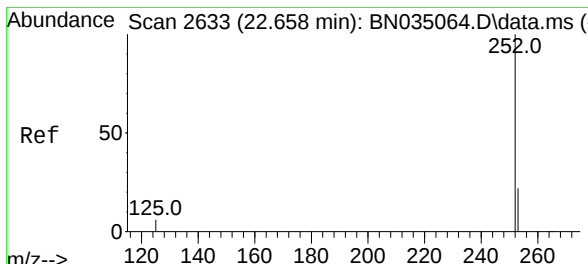
Ion Ratio Lower Upper

276 100

138 16.3 13.0 19.4

277 24.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 3.556 ng

RT: 22.660 min Scan# 2633

Delta R.T. 0.003 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

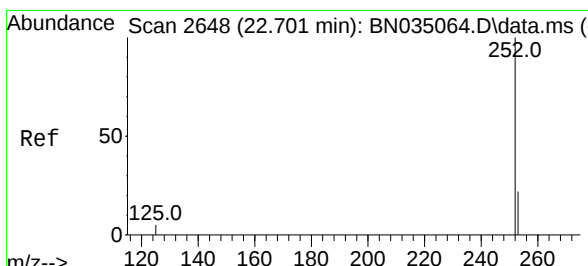
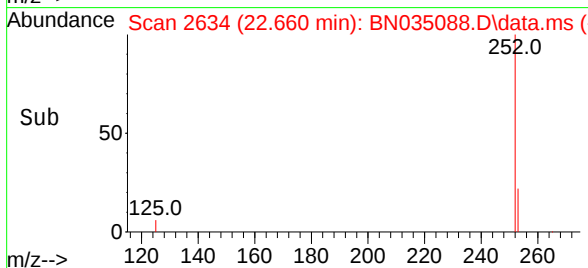
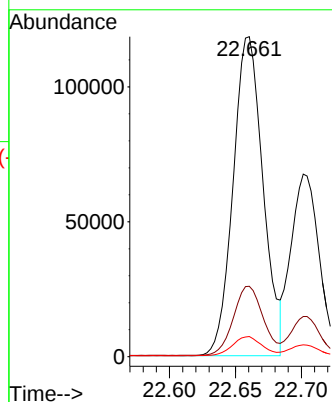
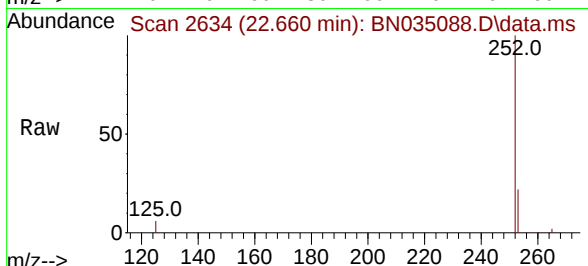
Tgt Ion:252 Resp: 186785

Ion Ratio Lower Upper

252 100

253 22.0 19.3 28.9

125 6.3 6.2 9.2



#38

Benzo(k)fluoranthene

Concen: 1.924 ng

RT: 22.701 min Scan# 2648

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

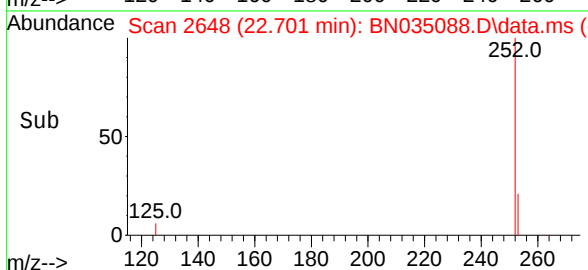
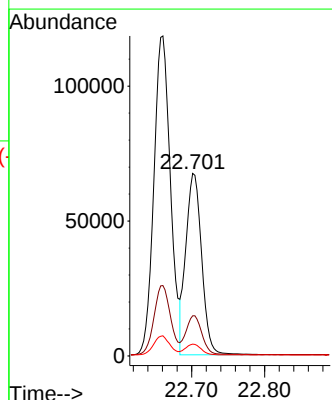
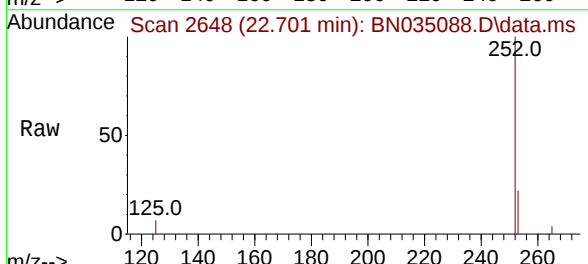
Tgt Ion:252 Resp: 101136

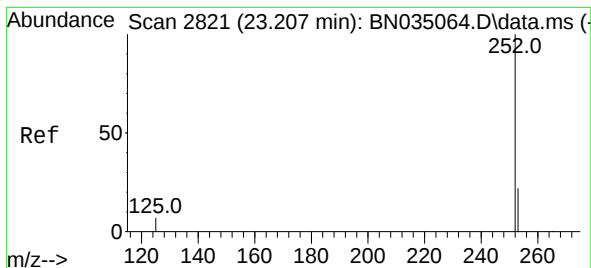
Ion Ratio Lower Upper

252 100

253 22.0 19.5 29.3

125 6.5 6.5 9.7





#39

Benzo(a)pyrene

Concen: 1.876 ng

RT: 23.207 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

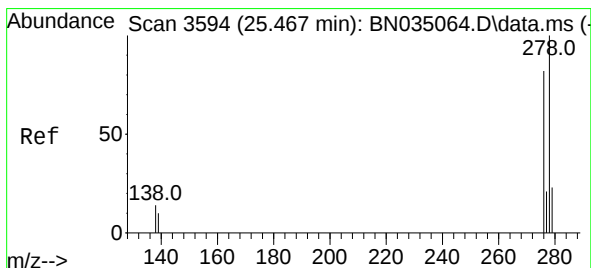
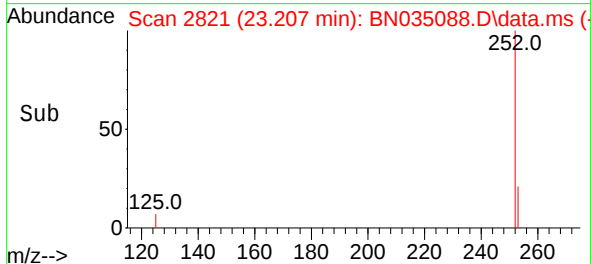
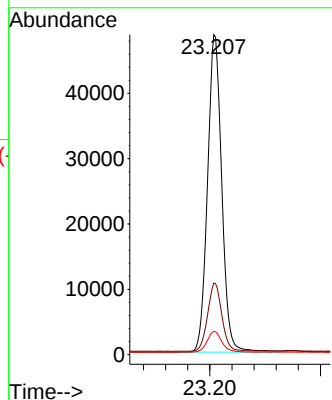
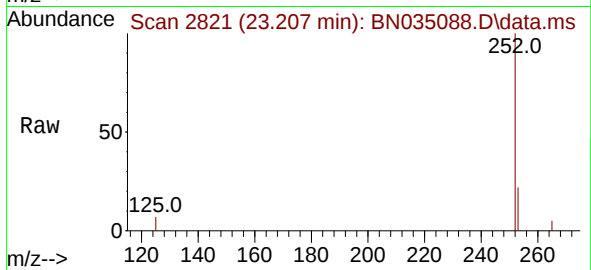
Tgt Ion:252 Resp: 86728

Ion Ratio Lower Upper

252 100

253 22.4 20.1 30.1

125 7.3 7.5 11.3#



#40

Dibenzo(a,h)anthracene

Concen: 3.211 ng

RT: 25.470 min Scan# 3595

Delta R.T. 0.003 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

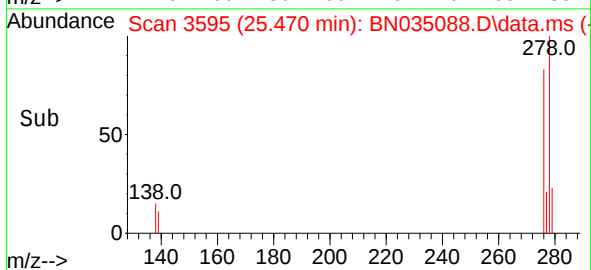
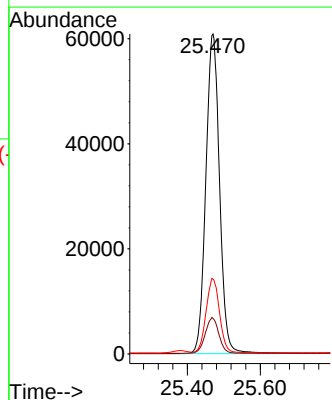
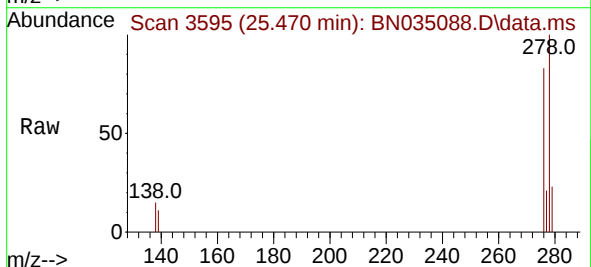
Tgt Ion:278 Resp: 158434

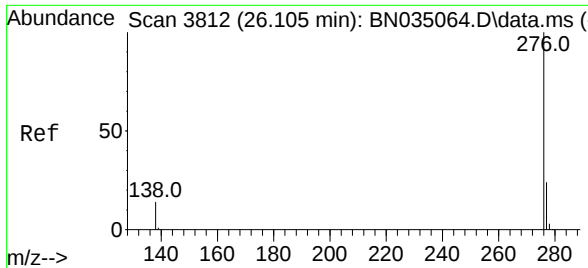
Ion Ratio Lower Upper

278 100

139 11.1 9.3 13.9

279 23.4 19.7 29.5





#41

Benzo(g,h,i)perylene

Concen: 0.943 ng

RT: 26.108 min Scan# 3813

Delta R.T. 0.003 min

Lab File: BN035088.D

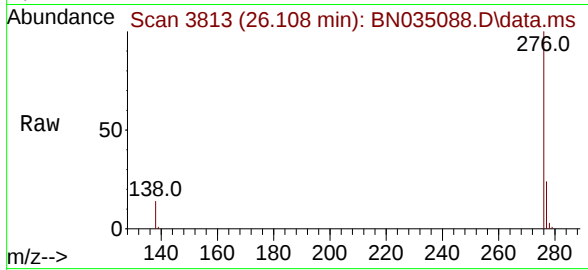
Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP



Tgt Ion:276 Resp: 49474

Ion Ratio Lower Upper

276 100

277 23.7 19.9 29.9

138 14.4 11.6 17.4

