

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)

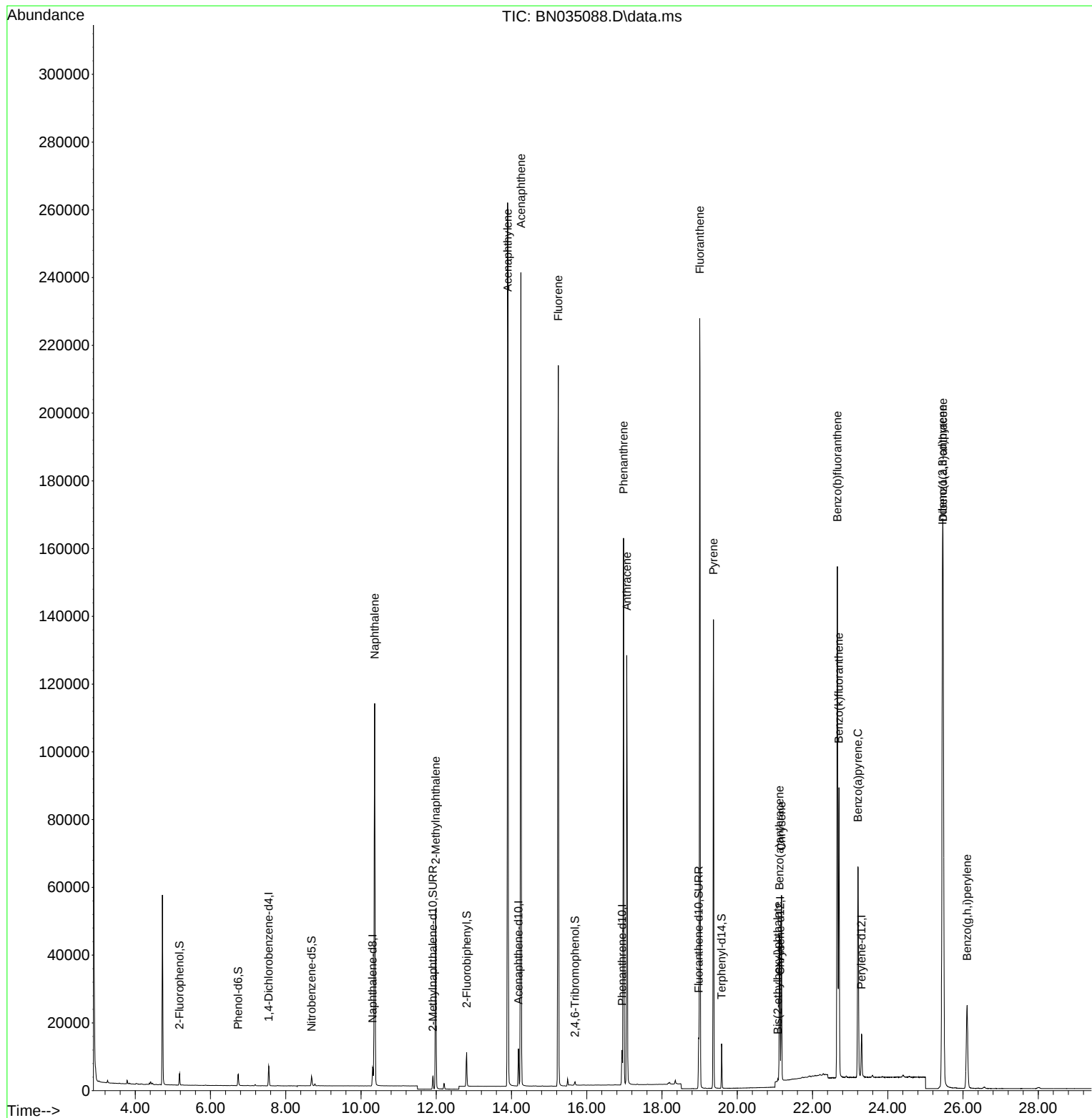
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.546	152	2895	0.400	ng	0.00
7) Naphthalene-d8	10.308	136	7667	0.400	ng	#-0.01
13) Acenaphthene-d10	14.186	164	5840	0.400	ng	0.00
19) Phenanthrene-d10	16.939	188	14410	0.400	ng	0.00
29) Chrysene-d12	21.140	240	15345	0.400	ng	0.00
35) Perylene-d12	23.304	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						Qvalue
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

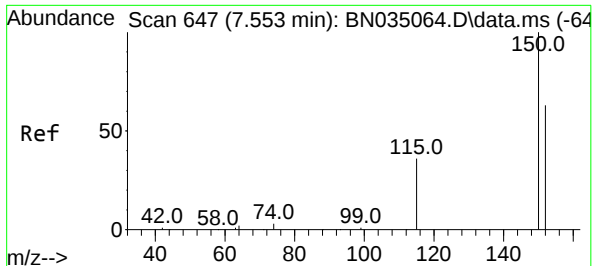
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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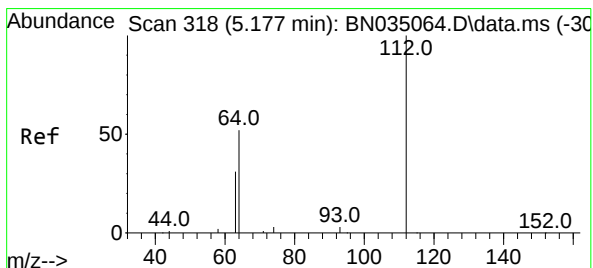
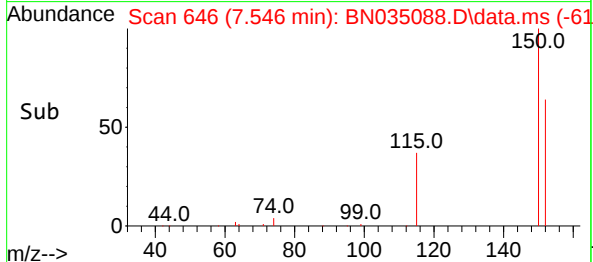
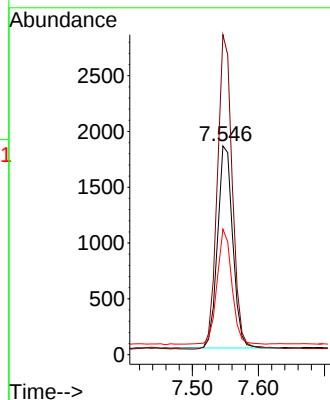
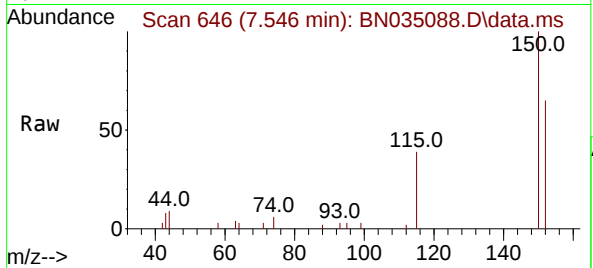




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.546 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN035088.D
 Acq: 14 Nov 2024 14:59

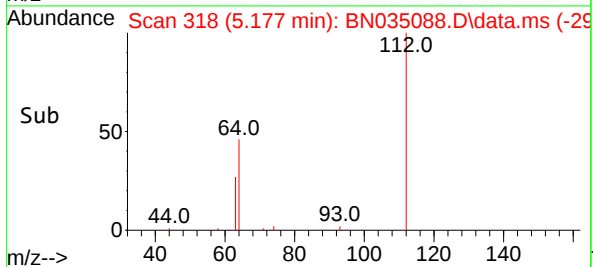
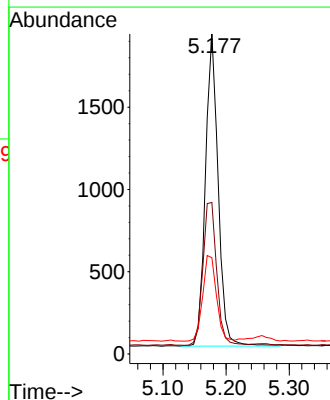
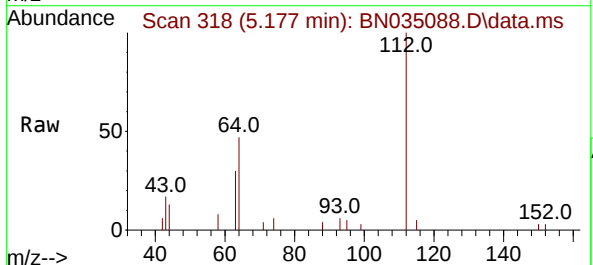
Instrument :
 BNA_N
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 RR-PAH-WP

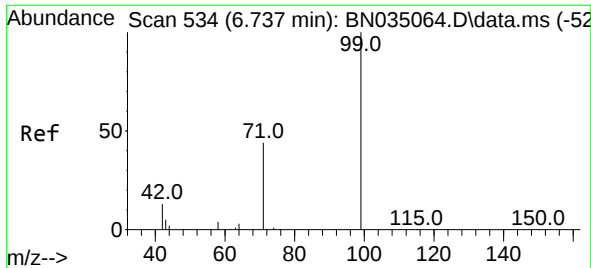
Tgt Ion:152 Resp: 2895
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.5 186.7
 115 60.1 47.8 71.6



#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

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

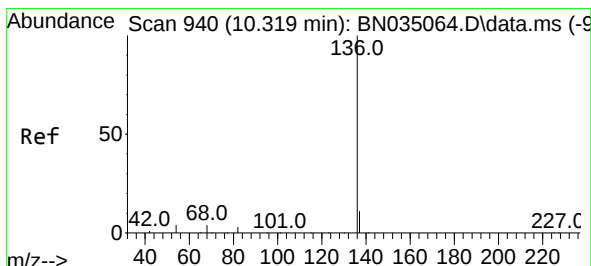
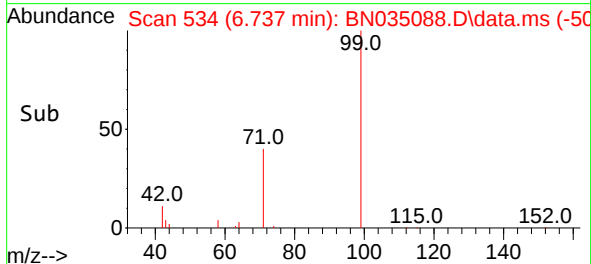
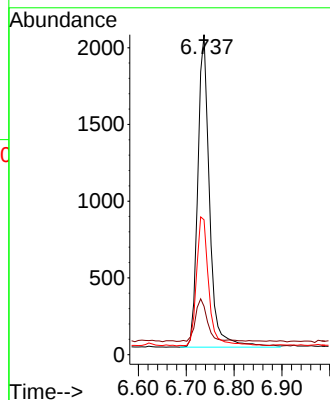
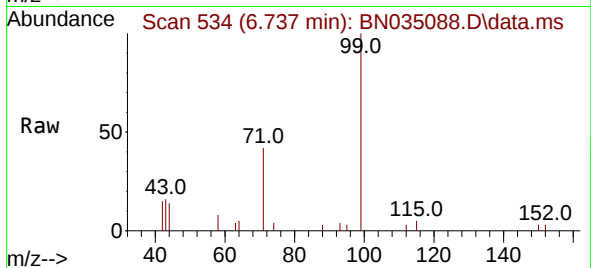




#5
Phenol-d6
Concen: 0.379 ng
RT: 6.737 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

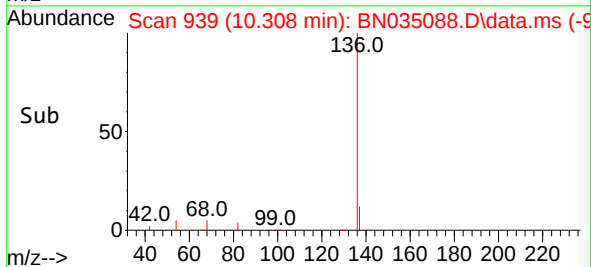
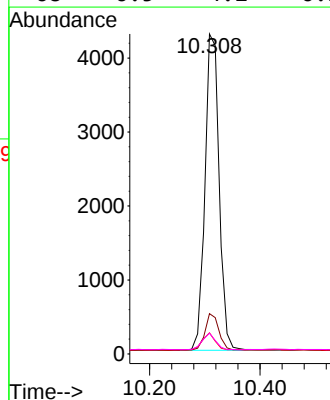
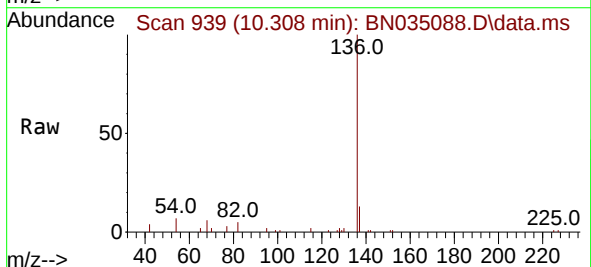
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

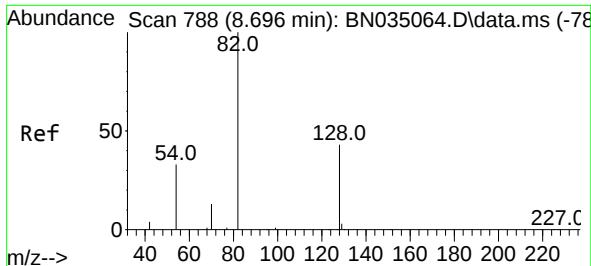
Tgt Ion:	99	Resp:	3490
Ion	Ratio	Lower	Upper
99	100		
42	13.4	11.4	17.0
71	43.2	34.6	51.8



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.308 min Scan# 939
Delta R.T. -0.011 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

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#

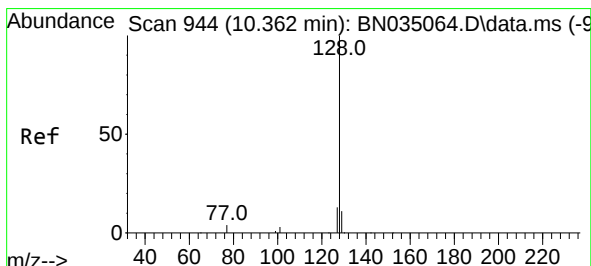
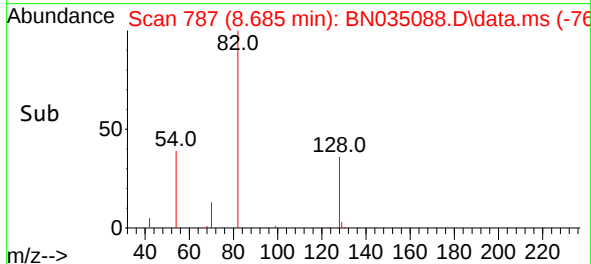
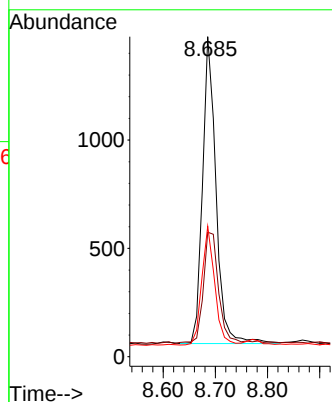
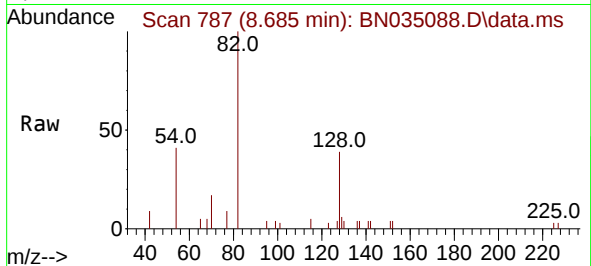




#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.685 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

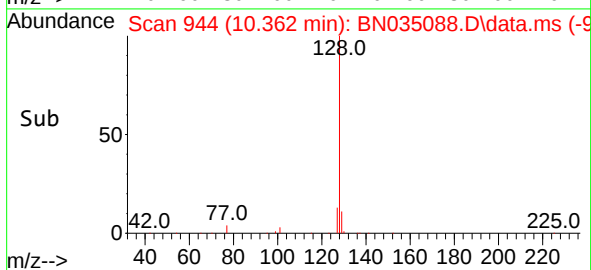
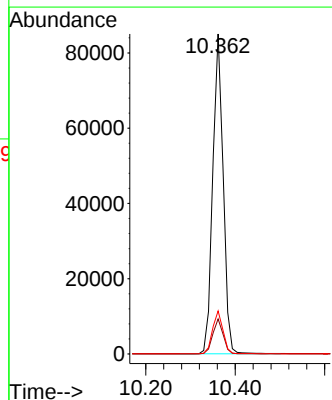
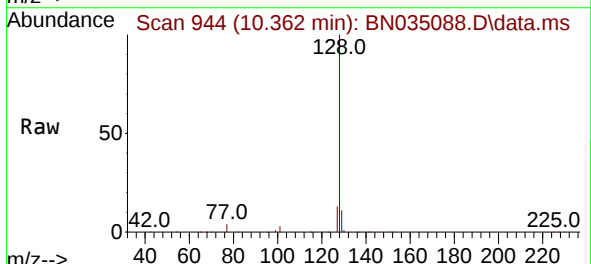
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

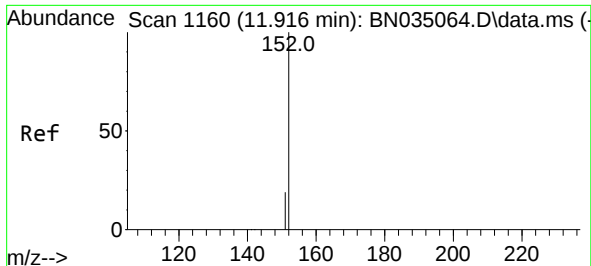
Tgt Ion: 82	Resp: 2546
Ion Ratio	Lower Upper
82 100	
128 38.9	36.5 54.7
54 40.8	28.7 43.1



#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

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

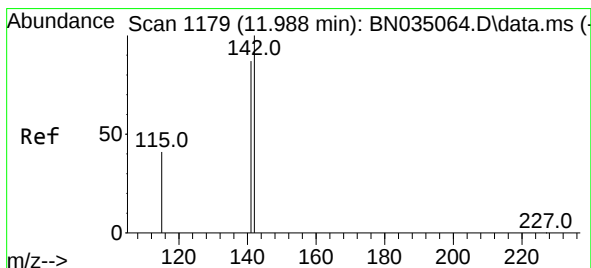
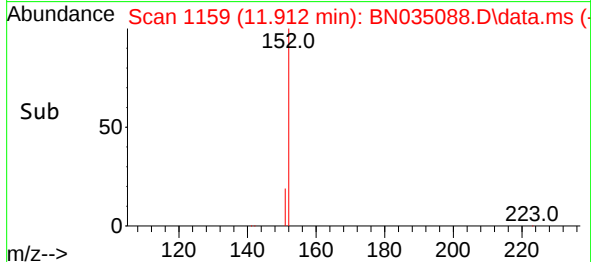
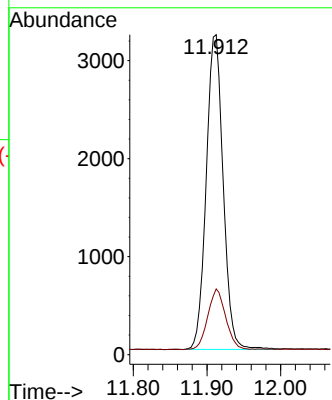
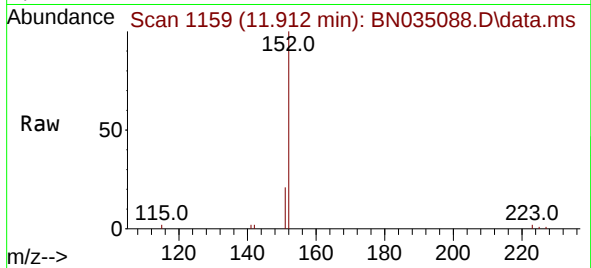




#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 11.912 min Scan# 1160
Delta R.T. -0.004 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

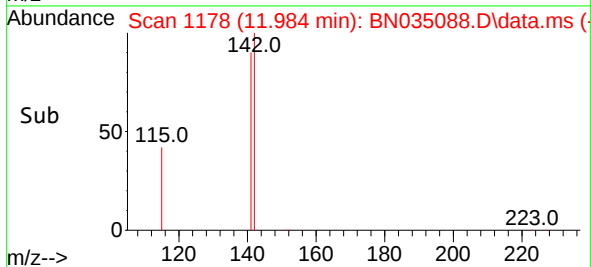
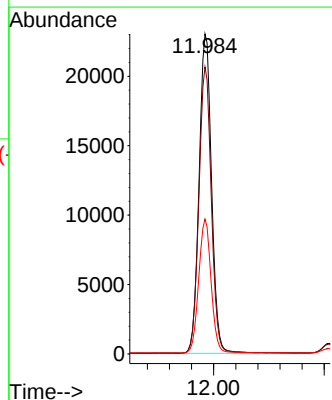
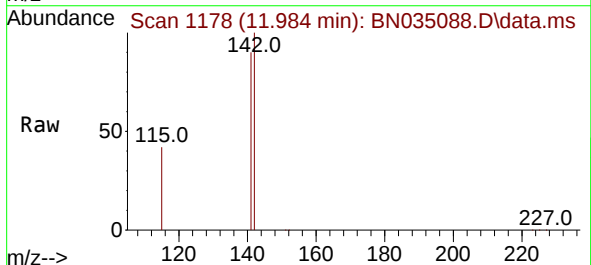
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

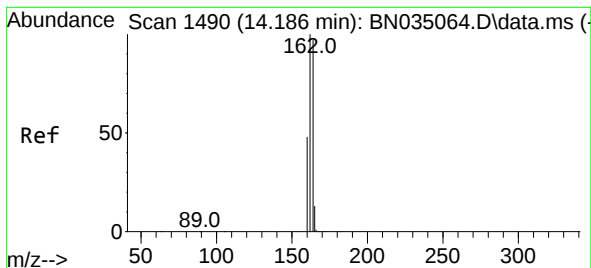
Tgt Ion:152 Resp: 5123
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4



#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

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

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

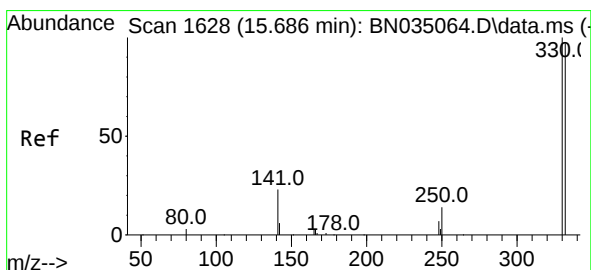
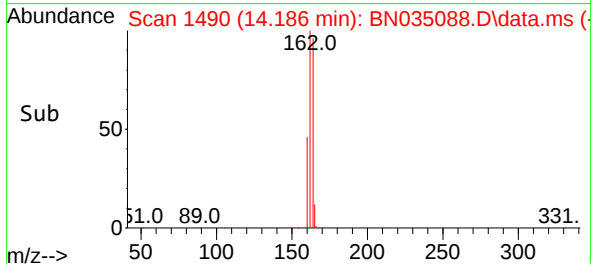
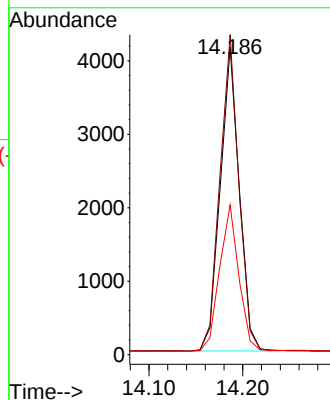
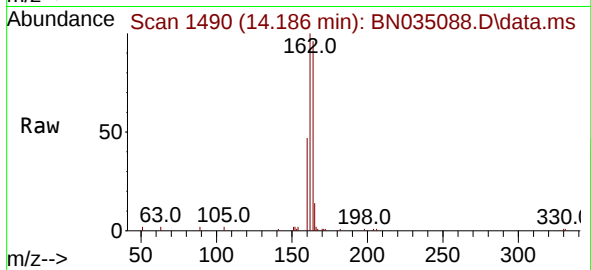
Tgt Ion:164 Resp: 5840

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

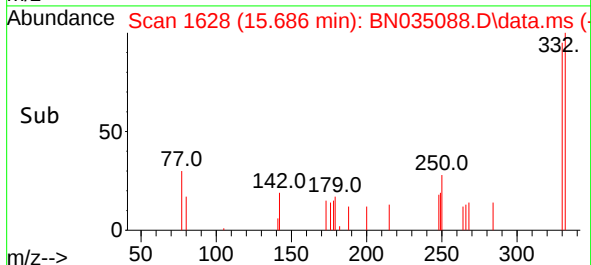
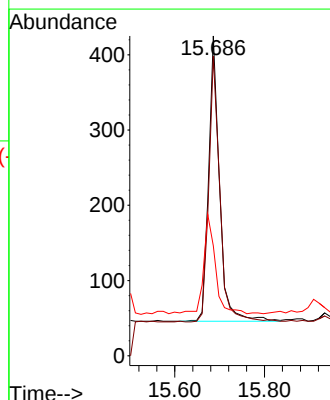
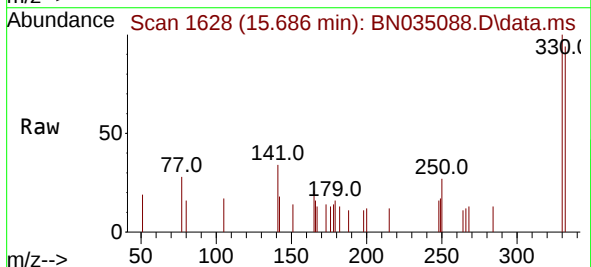
Tgt Ion:330 Resp: 638

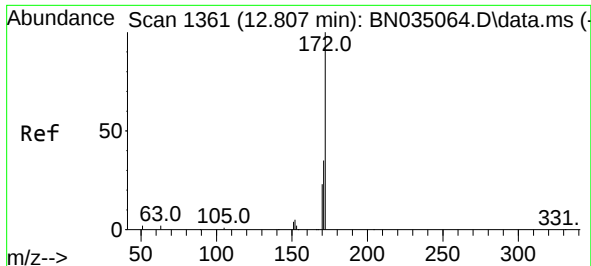
Ion Ratio Lower Upper

330 100

332 94.8 76.9 115.3

141 37.1 29.6 44.4

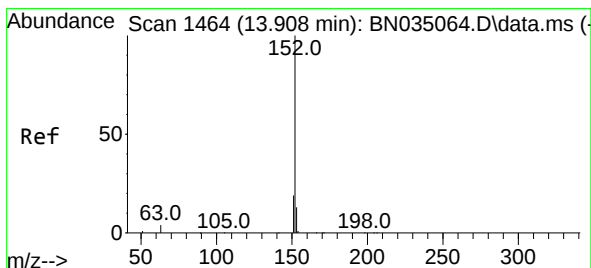
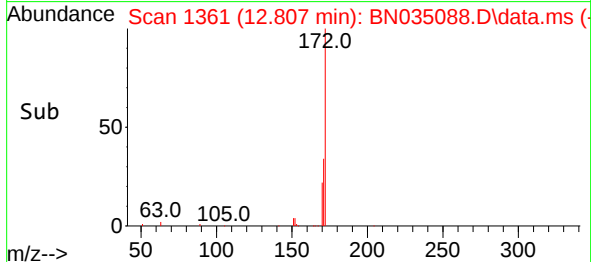
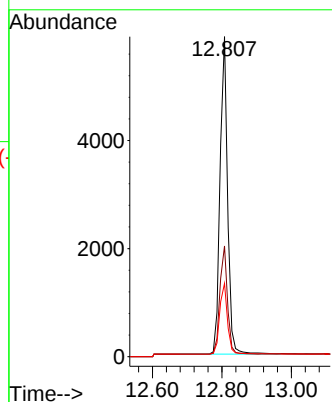
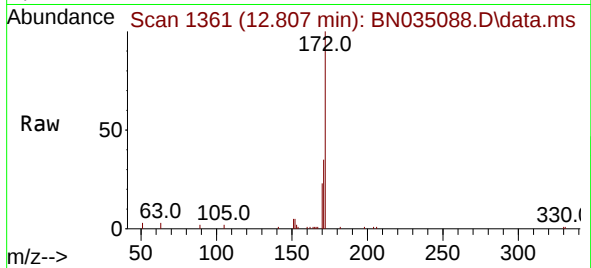




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 12.807 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

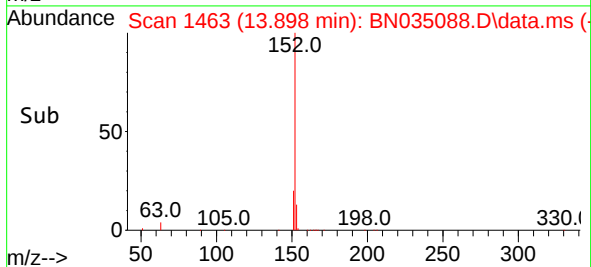
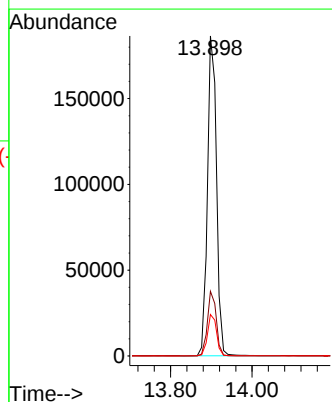
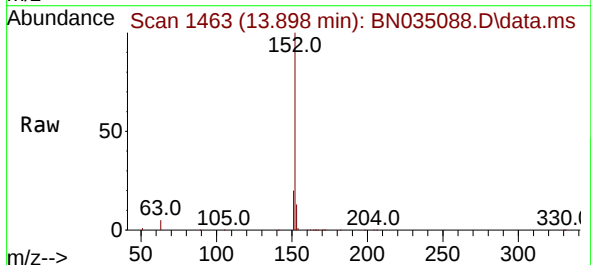
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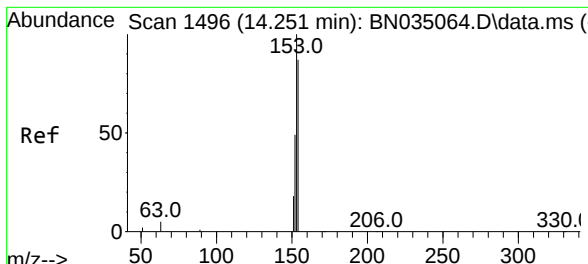
Tgt Ion:172 Resp: 8818
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 22.9 19.0 28.6



#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

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

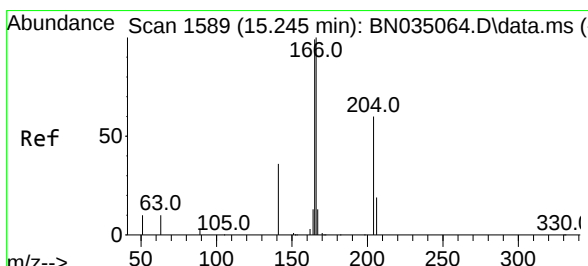
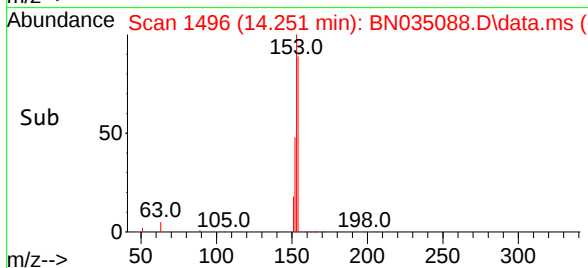
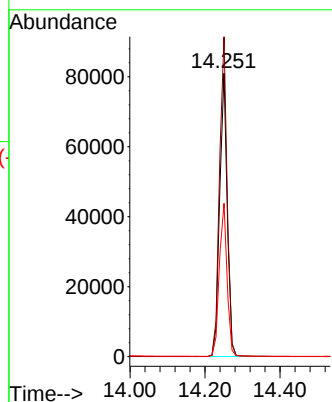
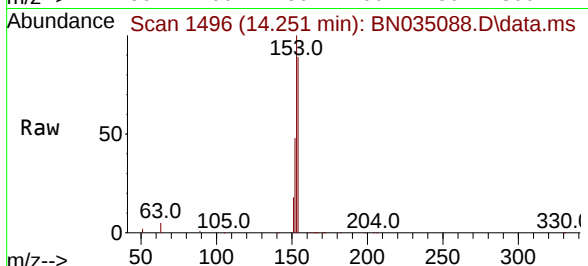




#17
Acenaphthene
Concen: 6.940 ng
RT: 14.251 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

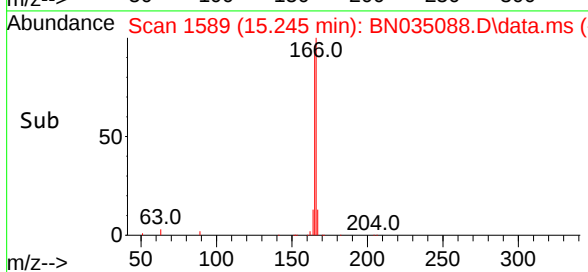
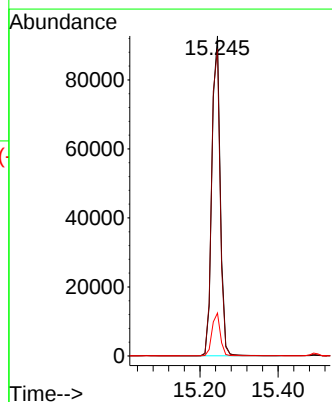
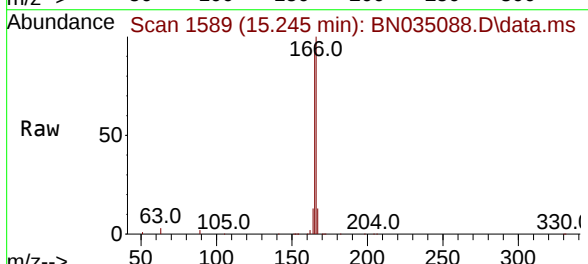
Instrument :
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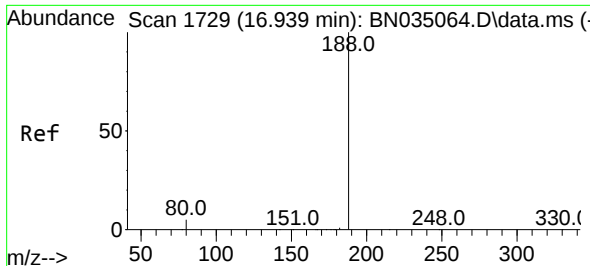
Tgt Ion:154	Resp:	113519
Ion Ratio	Lower	Upper
154	100	
153	113.8	91.6 137.4
152	55.3	45.8 68.6



#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

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

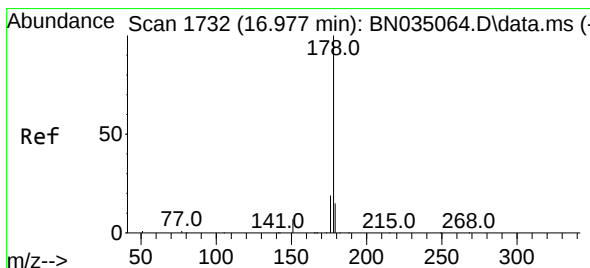
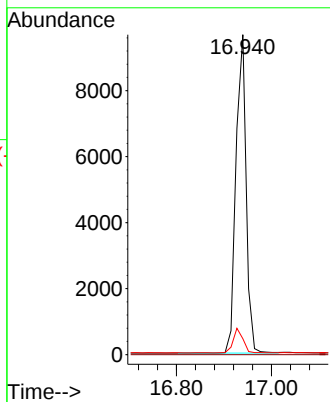
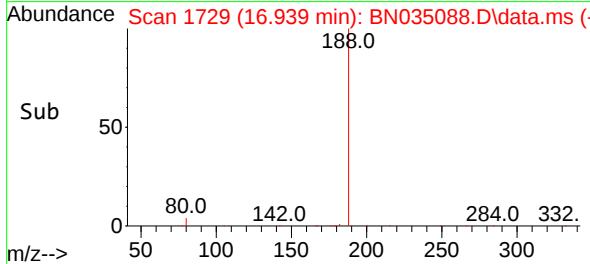
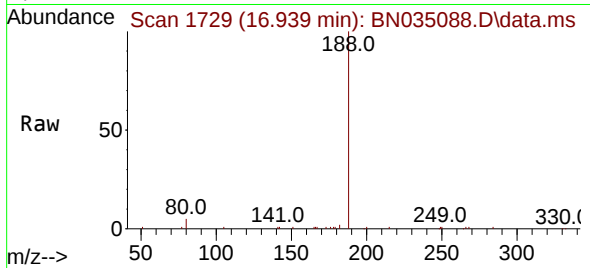




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

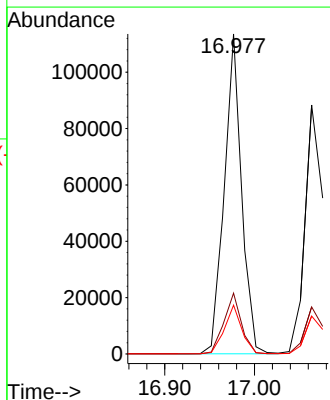
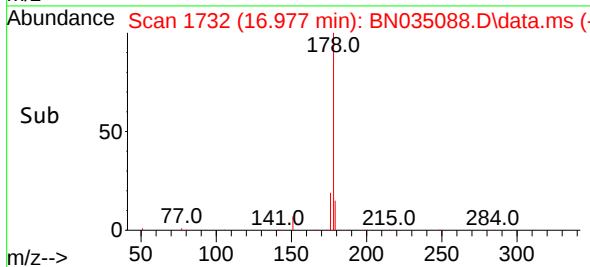
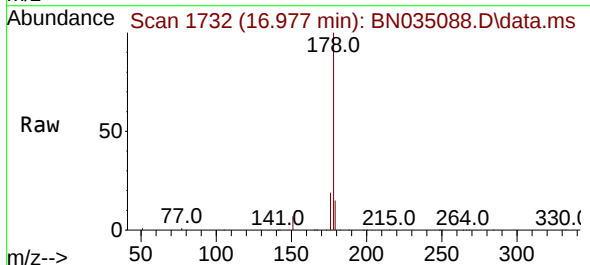
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

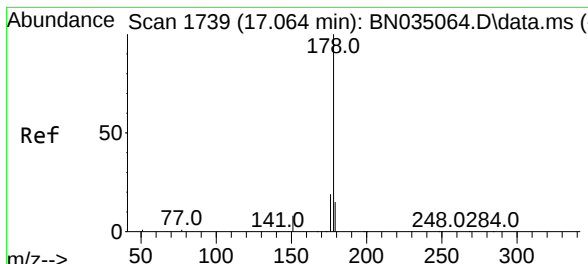
Tgt Ion:188 Resp: 14410
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.0 4.3 6.5



#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

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

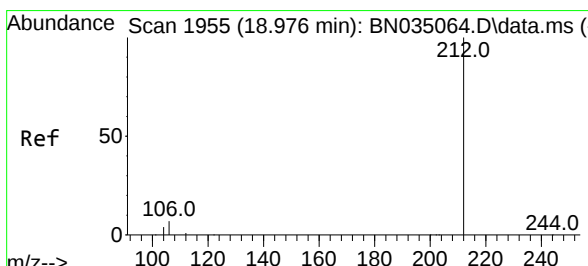
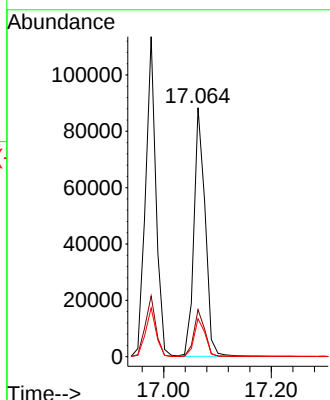
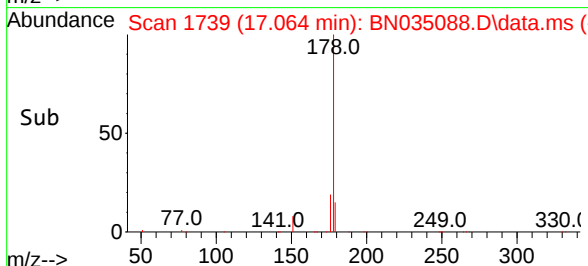
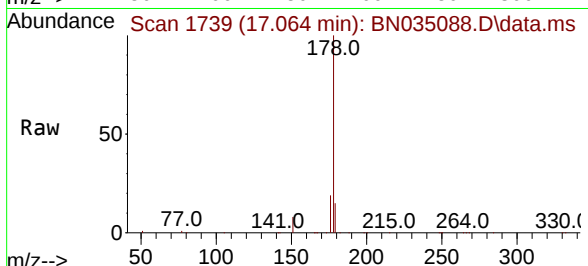




#26
 Anthracene
 Concen: 3.669 ng
 RT: 17.064 min Scan# 1739
 Delta R.T. 0.000 min
 Lab File: BN035088.D
 Acq: 14 Nov 2024 14:59

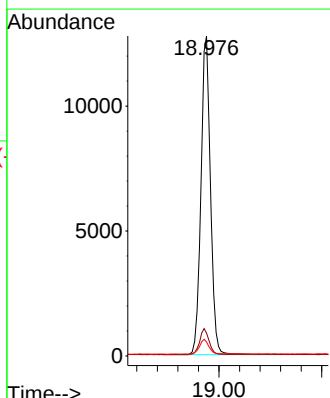
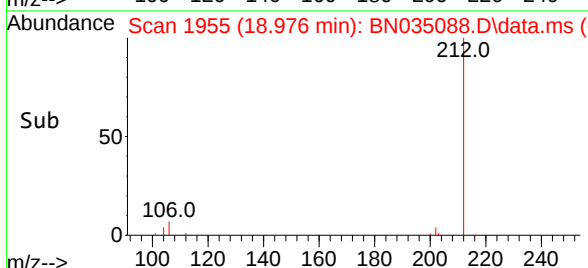
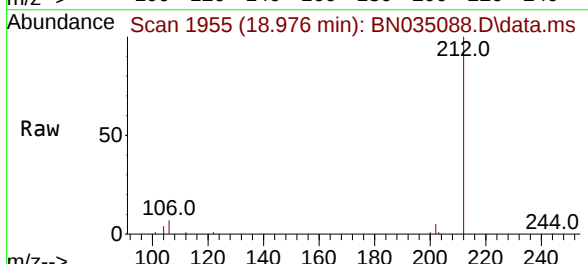
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

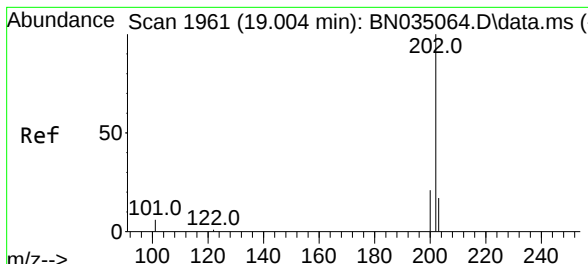
Tgt Ion:	178	Resp:	127788
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.3	12.2	18.2



#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

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



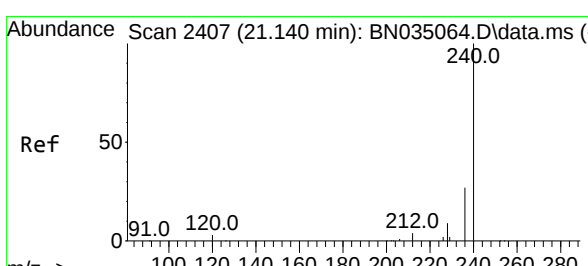
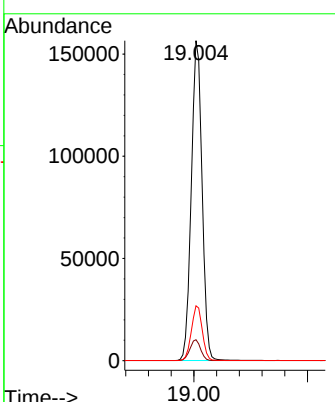
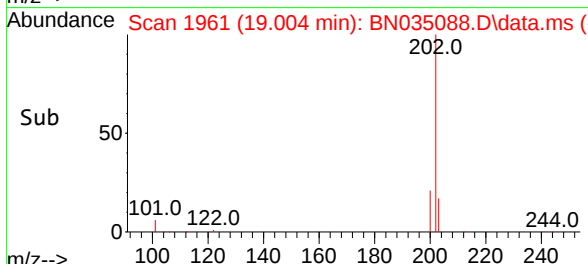
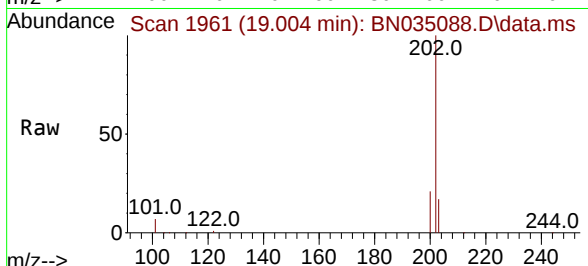


#28
 Fluoranthene
 Concen: 3.941 ng
 RT: 19.004 min Scan# 1961
 Delta R.T. 0.000 min
 Lab File: BN035088.D
 Acq: 14 Nov 2024 14:59

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Tgt Ion:202 Resp: 205501

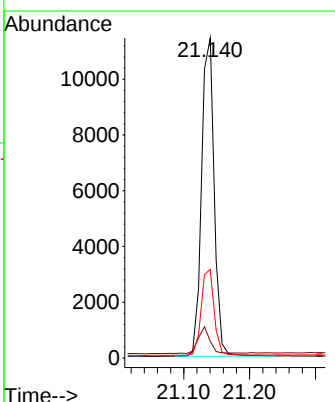
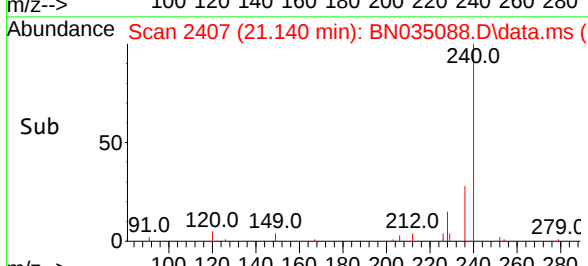
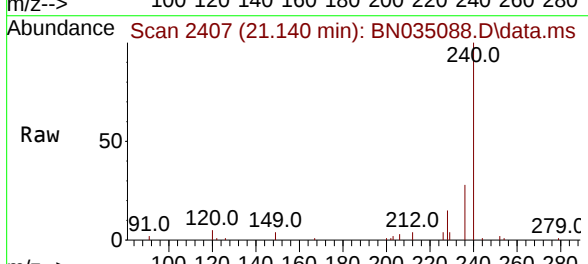
Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.2	7.8
203	17.2	13.8	20.8

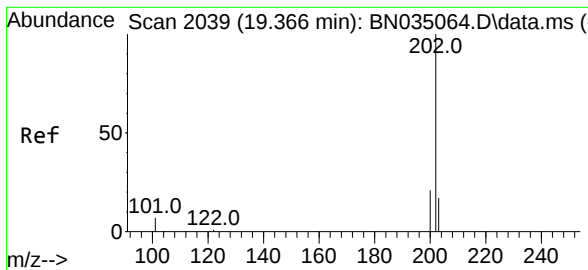


#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.140 min Scan# 2407
 Delta R.T. 0.000 min
 Lab File: BN035088.D
 Acq: 14 Nov 2024 14:59

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

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

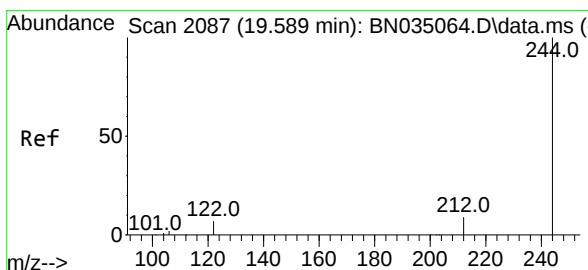
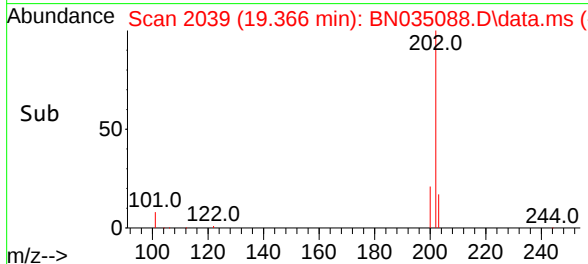
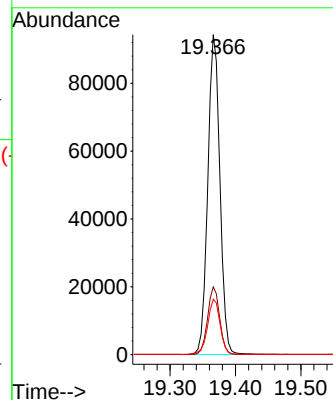
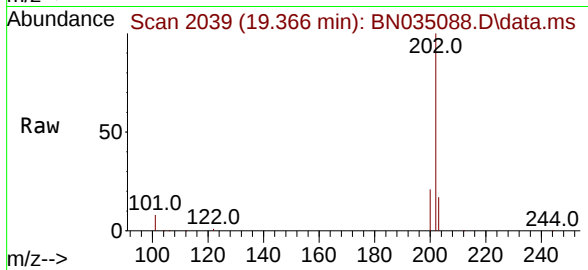
Tgt Ion:202 Resp: 120690

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# 2086

Delta R.T. -0.005 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

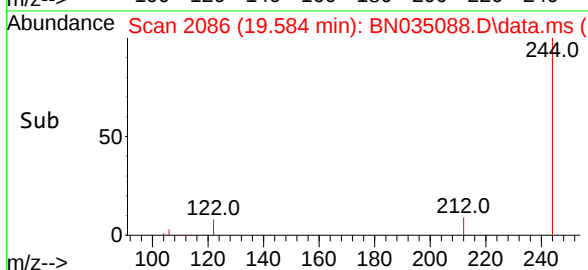
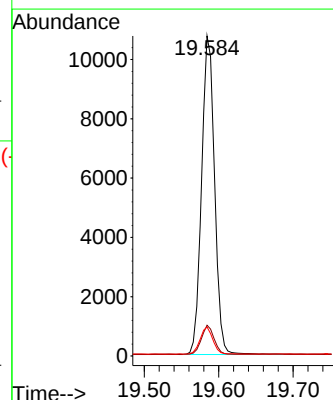
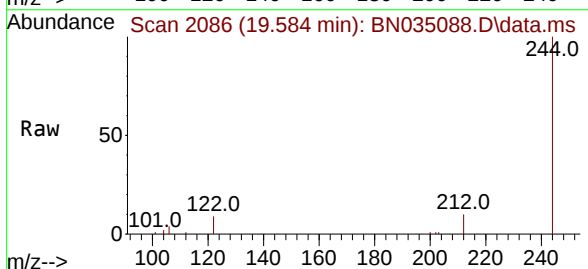
Tgt Ion:244 Resp: 13028

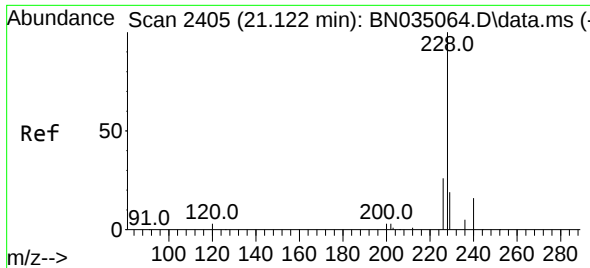
Ion Ratio Lower Upper

244 100

212 9.6 7.6 11.4

122 9.1 6.1 9.1

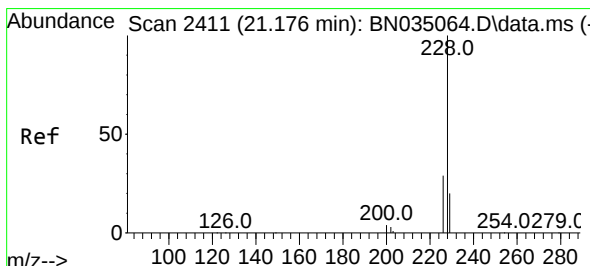
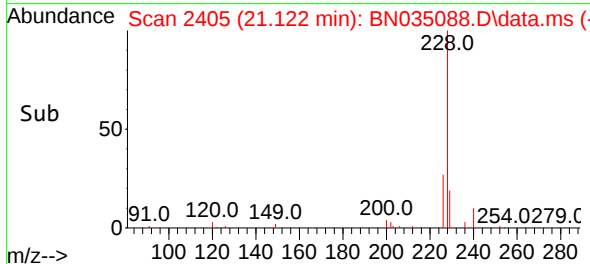
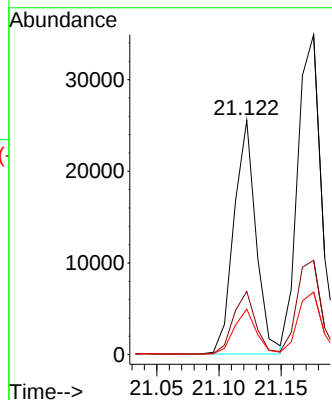
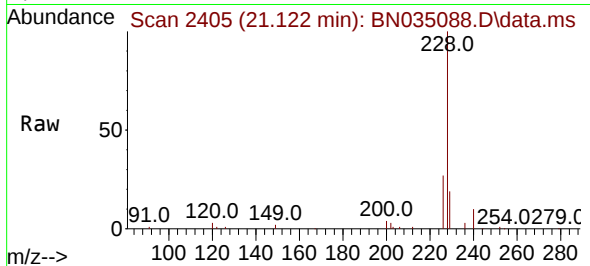




#32
Benzo(a)anthracene
Concen: 0.589 ng
RT: 21.122 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

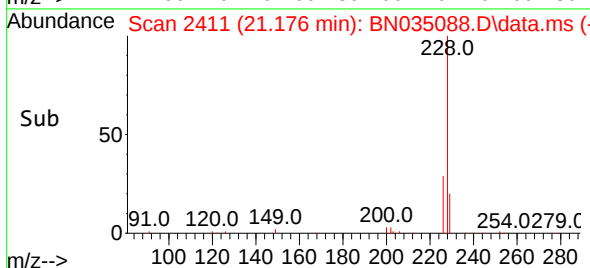
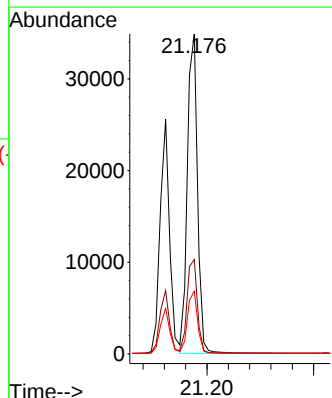
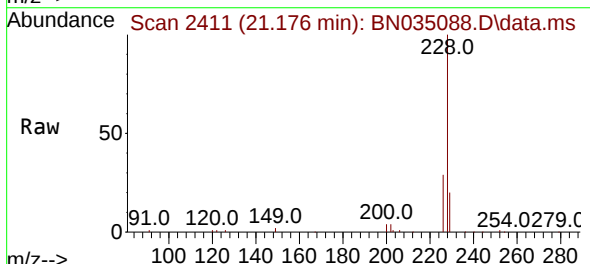
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

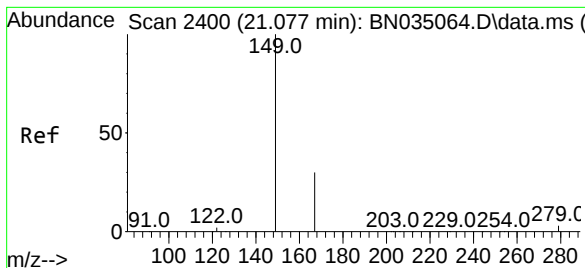
Tgt Ion:228 Resp: 31494
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 19.5 15.7 23.5



#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

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

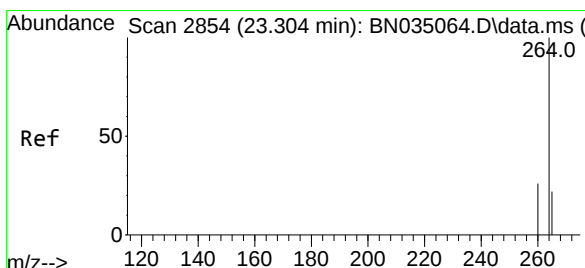
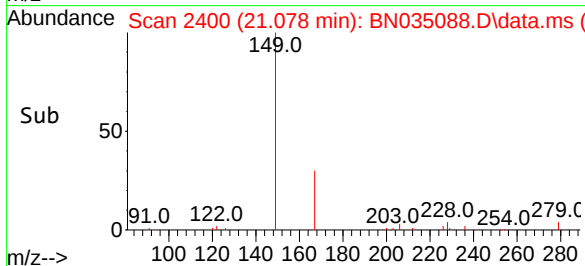
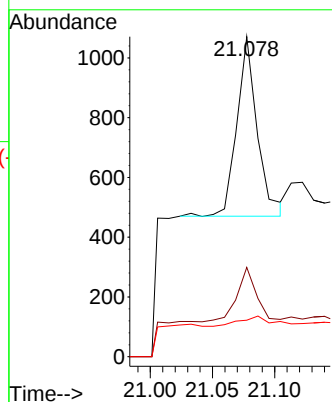
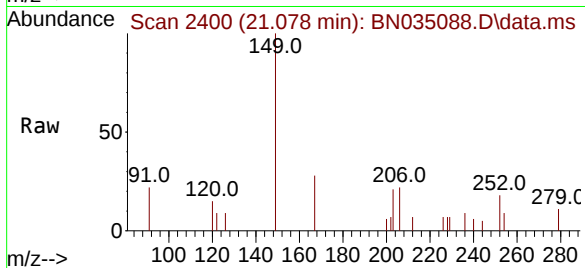




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.024 ng
RT: 21.078 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

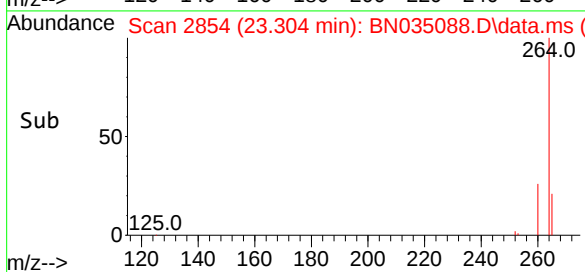
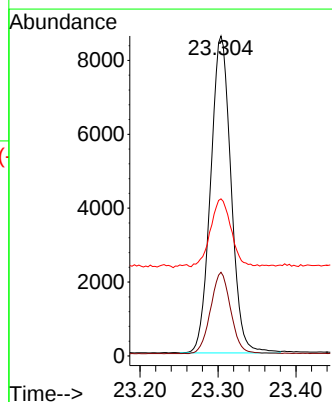
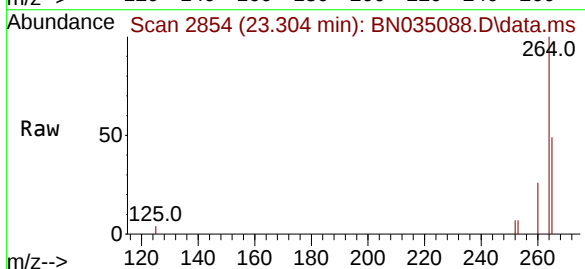
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

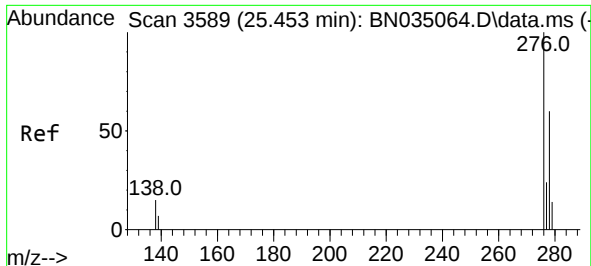
Tgt Ion:149 Resp: 686
Ion Ratio Lower Upper
149 100
167 28.6 23.2 34.8
279 9.3 3.2 4.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.304 min Scan# 2854
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

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

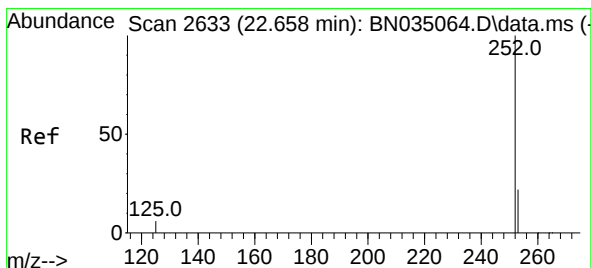
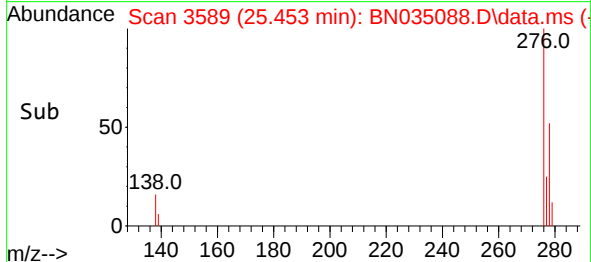
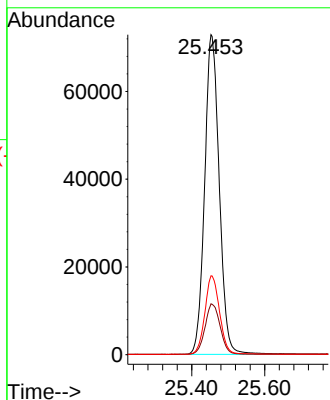
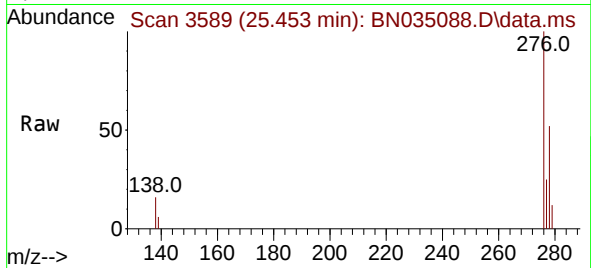




#36
Indeno(1,2,3-cd)pyrene
Concen: 3.249 ng
RT: 25.453 min Scan# 3589
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

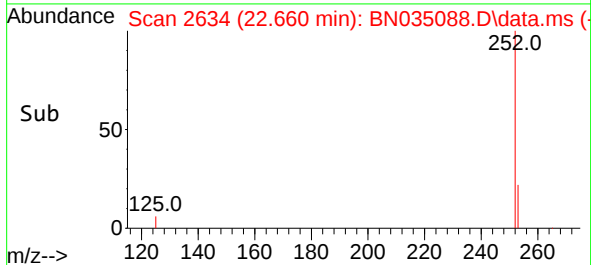
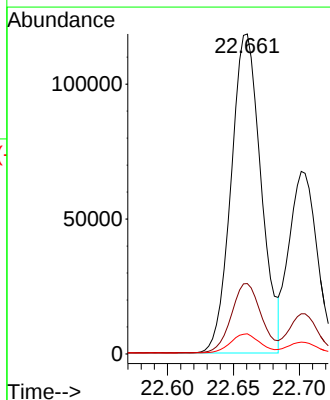
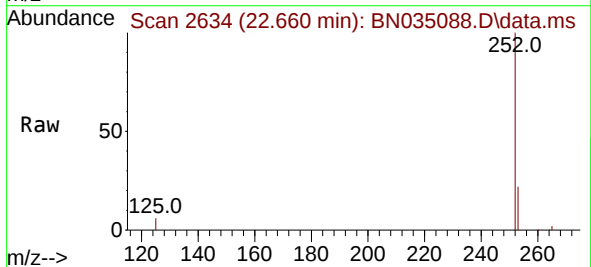
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

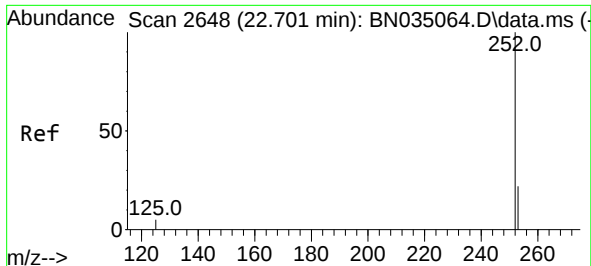
Tgt Ion:276 Resp: 202352
Ion Ratio Lower Upper
276 100
138 16.3 13.0 19.4
277 24.6 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 3.556 ng
RT: 22.660 min Scan# 2634
Delta R.T. 0.003 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

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

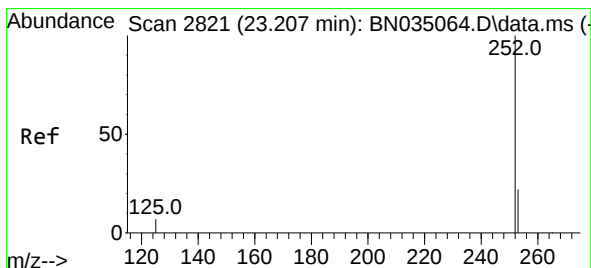
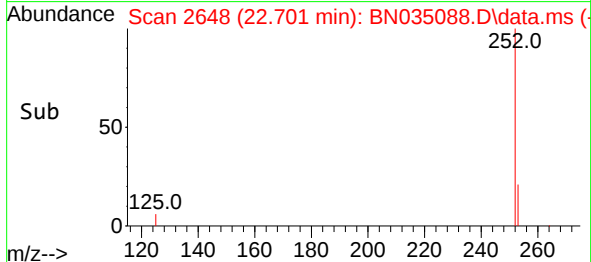
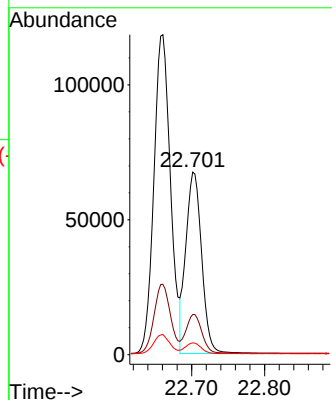
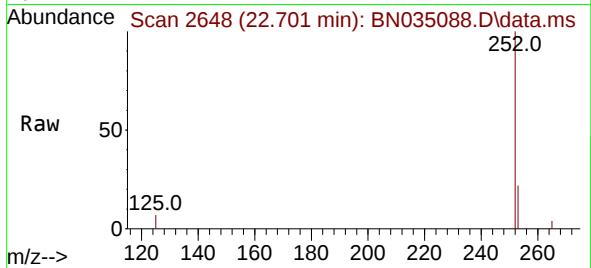




#38
Benzo(k)fluoranthene
Concen: 1.924 ng
RT: 22.701 min Scan# 2648
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

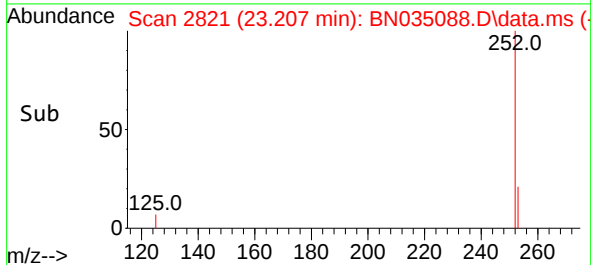
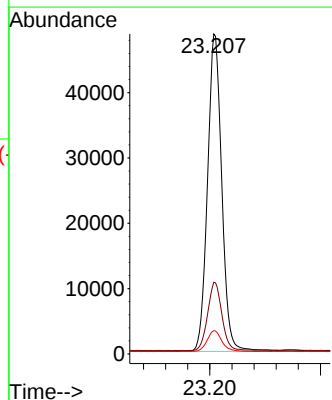
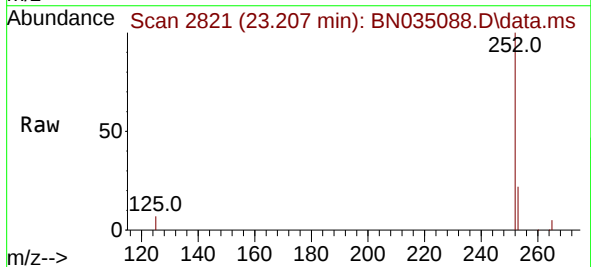
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

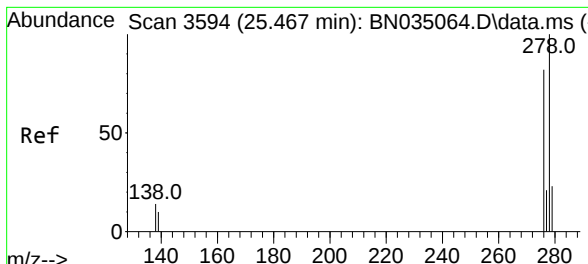
Tgt Ion:252 Resp: 101136
Ion Ratio Lower Upper
252 100
253 22.0 19.5 29.3
125 6.5 6.5 9.7



#39
Benzo(a)pyrene
Concen: 1.876 ng
RT: 23.207 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BN035088.D
Acq: 14 Nov 2024 14:59

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# 31

Delta R.T. 0.003 min

Lab File: BN035088.D

Acq: 14 Nov 2024 14:59

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

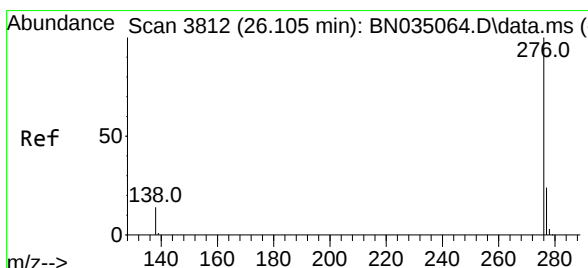
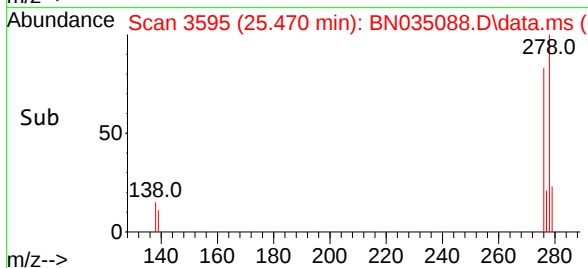
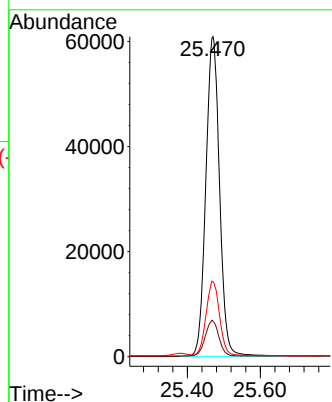
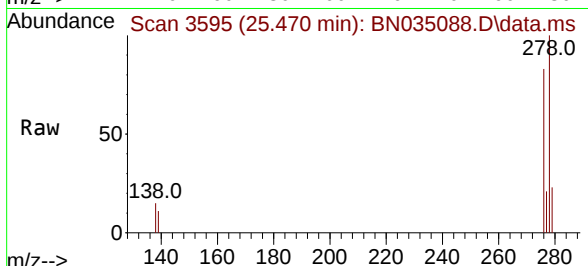
Tgt Ion:278 Resp: 158434

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

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

