

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
 Data File : BN034044.D
 Acq On : 18 Sep 2024 20:26
 Operator : JU/RC
 Sample : P3845-21
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Sep 19 02:18:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 16:09:28 2024
 Response via : Initial Calibration

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

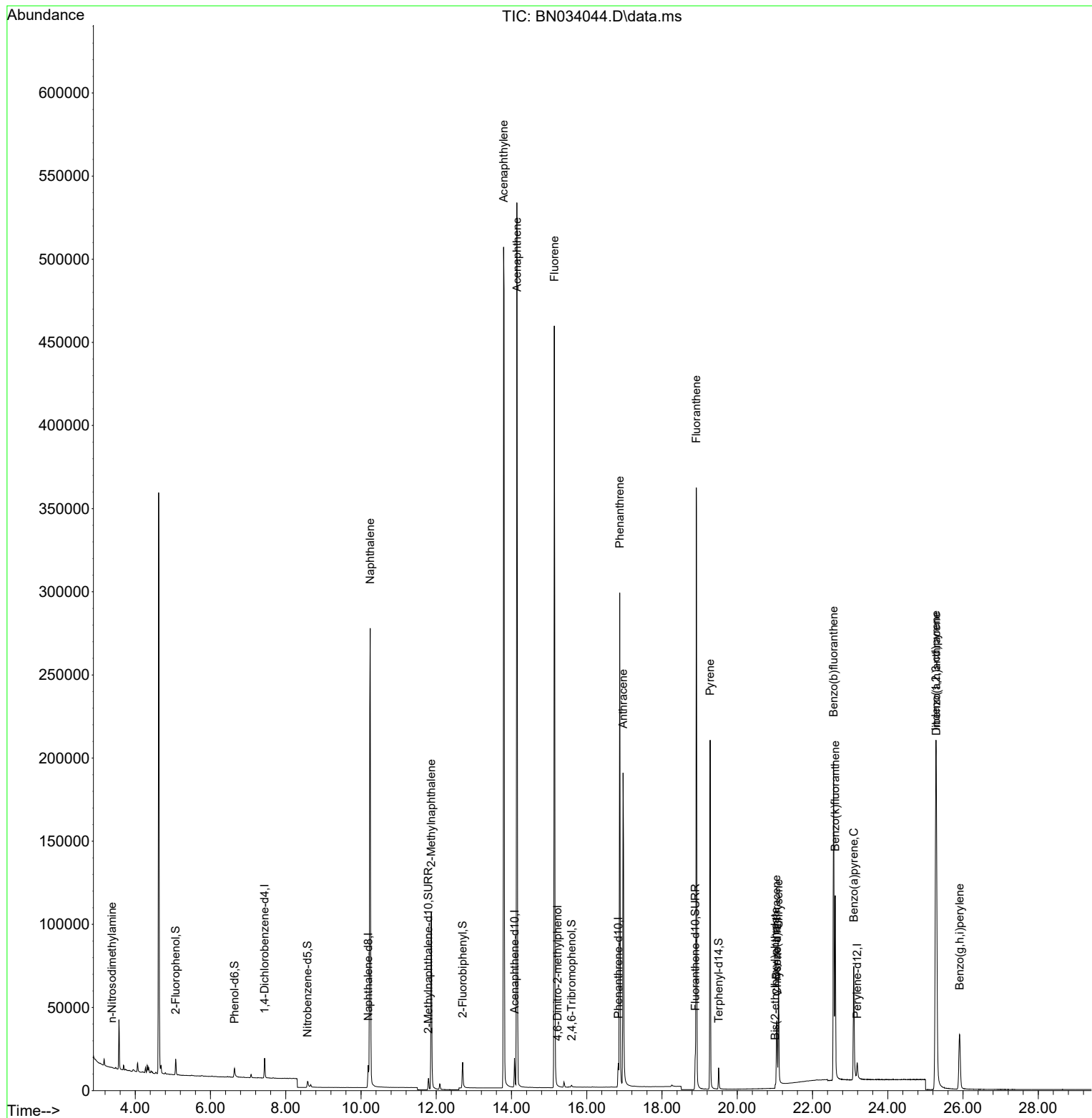
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.438	152	5896	0.400	ng	0.00
7) Naphthalene-d8	10.191	136	16928	0.400	ng	0.00
13) Acenaphthene-d10	14.080	164	9264	0.400	ng	0.00
19) Phenanthrene-d10	16.840	188	20315	0.400	ng	0.00
29) Chrysene-d12	21.060	240	14604	0.400	ng	0.00
35) Perylene-d12	23.187	264	12953	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.076	112	7019	0.419	ng	0.00
5) Phenol-d6	6.636	99	6293	0.323	ng	0.00
8) Nitrobenzene-d5	8.579	82	4518	0.349	ng	0.00
11) 2-Methylnaphthalene-d10	11.791	152	10179	0.407	ng	0.00
14) 2,4,6-Tribromophenol	15.599	330	810	0.193	ng	0.01
15) 2-Fluorobiphenyl	12.700	172	16006	0.425	ng	0.00
27) Fluoranthene-d10	18.883	212	21764	0.425	ng	0.00
31) Terphenyl-d14	19.505	244	13552	0.465	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.379	42	262	0.031	ng	# 75
9) Naphthalene	10.244	128	364174	7.839	ng	98
12) 2-Methylnaphthalene	11.867	142	81862	2.708	ng	99
16) Acenaphthylene	13.791	152	574053	14.476	ng	100
17) Acenaphthene	14.144	154	246657	8.672	ng	98
18) Fluorene	15.138	166	271516	7.275	ng	100
20) 4,6-Dinitro-2-methylph...	15.223	198	5	0.139	ng	# 1
25) Phenanthrene	16.877	178	277268	4.753	ng	100
26) Anthracene	16.964	178	215978	4.537	ng	100
28) Fluoranthene	18.911	202	319835	4.733	ng	100
30) Pyrene	19.278	202	185072	3.002	ng	100
32) Benzo(a)anthracene	21.042	228	29542	0.639	ng	99
33) Chrysene	21.095	228	56623	1.027	ng	99
34) Bis(2-ethylhexyl)phtha...	21.006	149	1086	0.056	ng	# 75
36) Indeno(1,2,3-cd)pyrene	25.274	276	245513	4.423	ng	100
37) Benzo(b)fluoranthene	22.558	252	222419	4.383	ng	# 93
38) Benzo(k)fluoranthene	22.602	252	127830	2.400	ng	# 90
39) Benzo(a)pyrene	23.096	252	97448	2.356	ng	# 88
40) Dibenzo(a,h)anthracene	25.292	278	186305	4.321	ng	96
41) Benzo(g,h,i)perylene	25.909	276	61695	1.274	ng	99

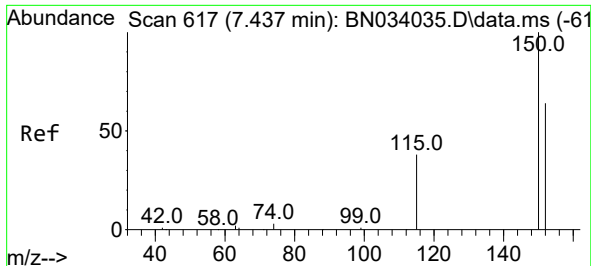
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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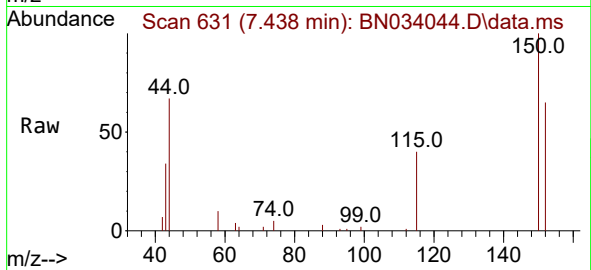
Quant Time: Sep 19 02:18:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
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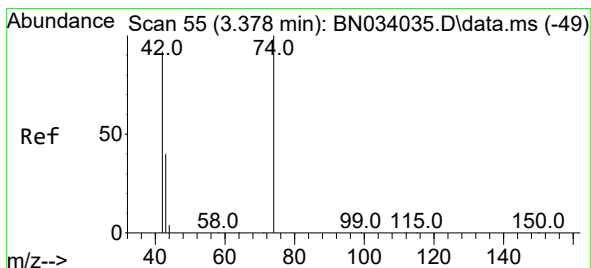
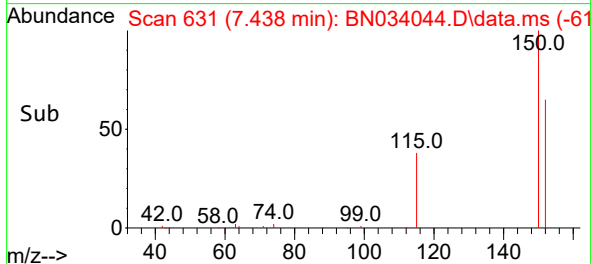
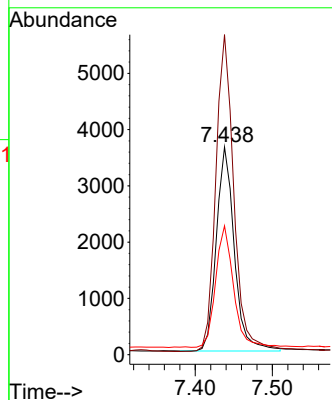


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.438 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

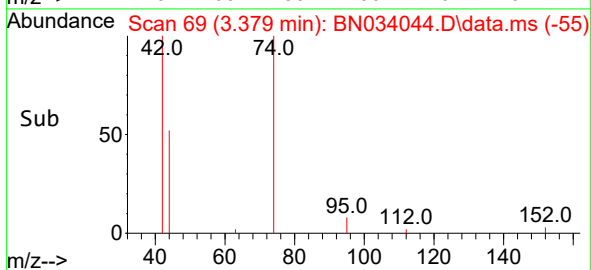
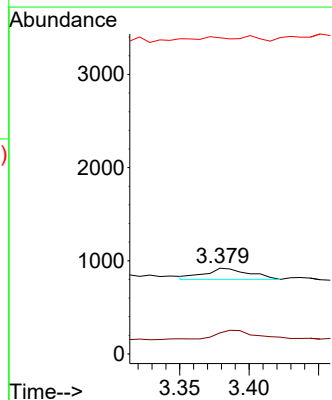
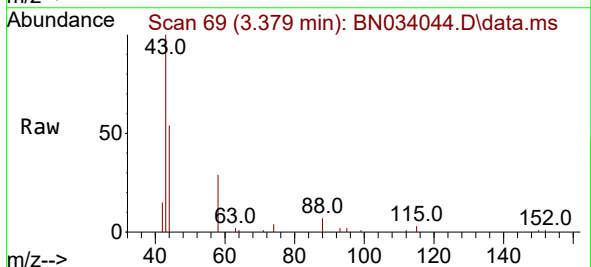


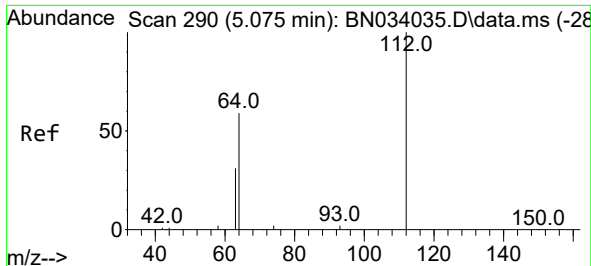
Tgt Ion:152 Resp: 5896
Ion Ratio Lower Upper
152 100
150 154.1 124.6 187.0
115 62.0 50.0 75.0



#3
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.379 min Scan# 69
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion: 42 Resp: 262
Ion Ratio Lower Upper
42 100
74 89.3 94.6 142.0#
44 22.5 12.4 18.6#

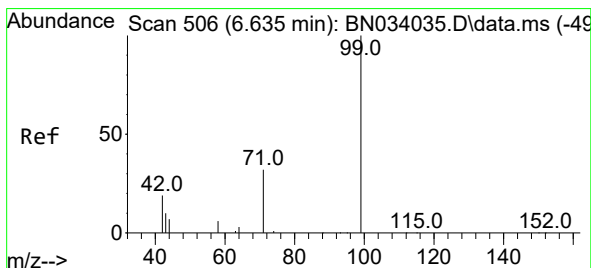
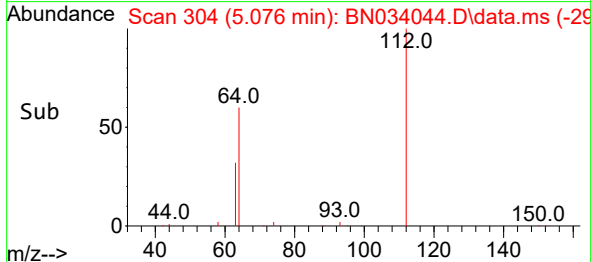
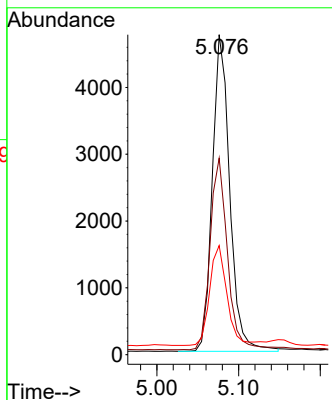
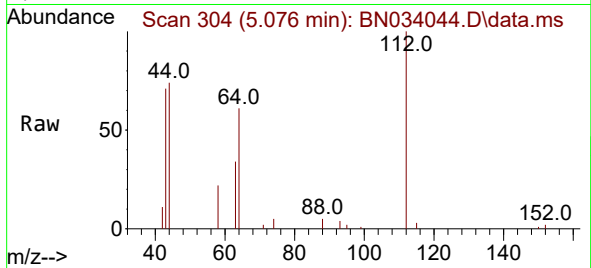




#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.076 min Scan# 304
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

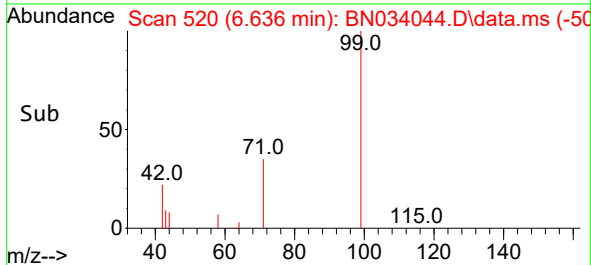
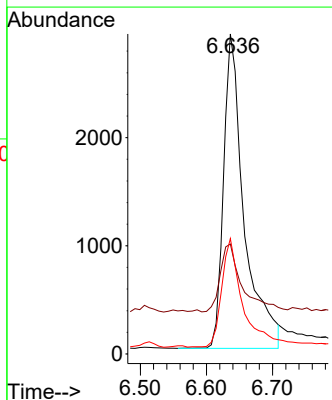
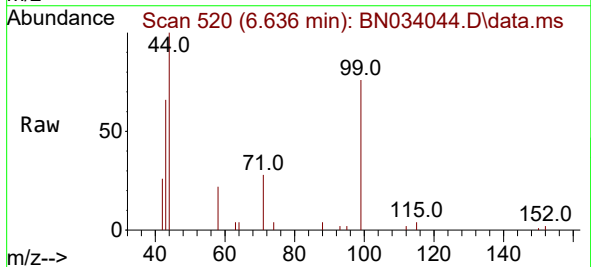
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

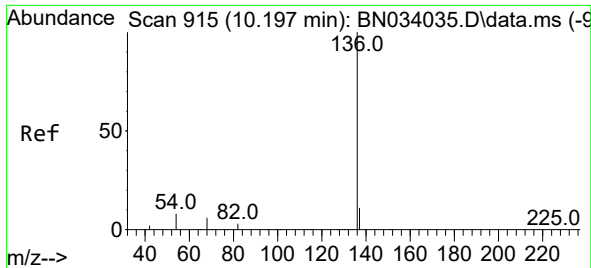
Tgt Ion: 112 Resp: 7019
Ion Ratio Lower Upper
112 100
64 60.8 48.6 72.8
63 31.4 25.6 38.4



#5
Phenol-d6
Concen: 0.323 ng
RT: 6.636 min Scan# 520
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion: 99 Resp: 6293
Ion Ratio Lower Upper
99 100
42 22.9 17.8 26.8
71 34.4 26.2 39.2

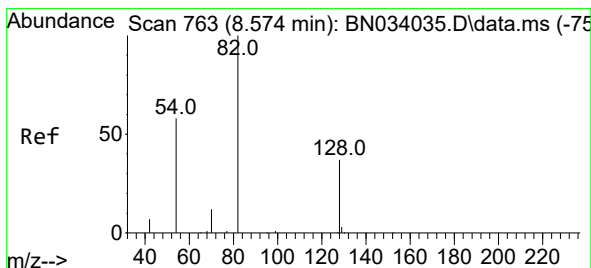
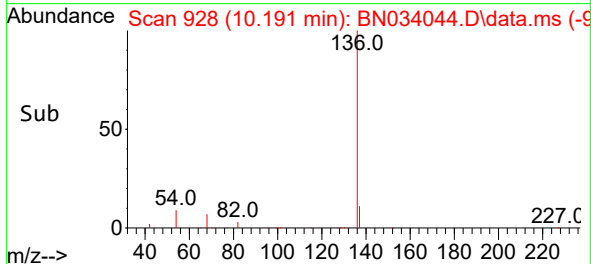
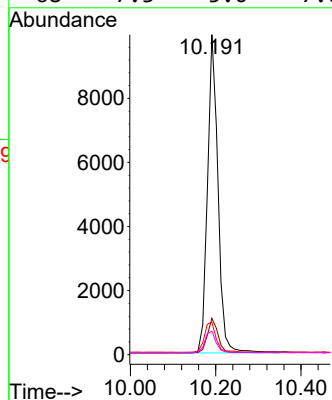
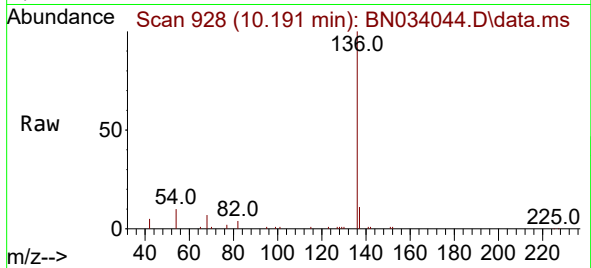




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 915
Delta R.T. -0.006 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

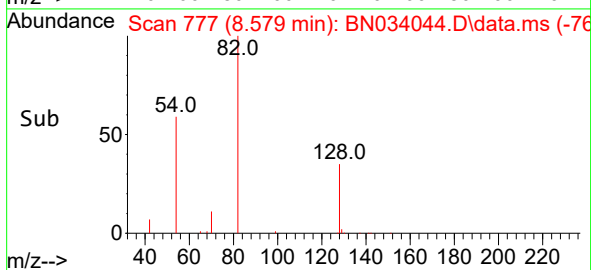
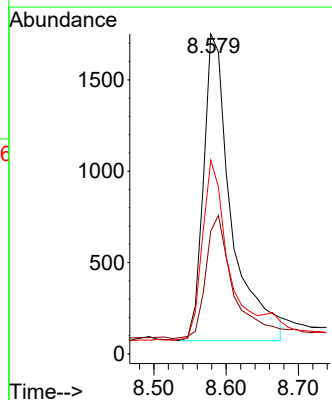
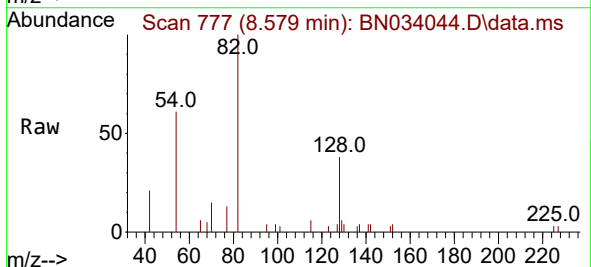
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

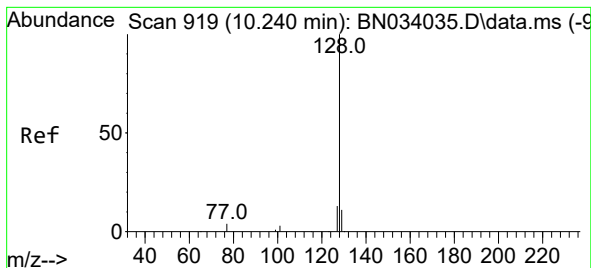
Tgt Ion:	136	Resp:	16928
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.2	6.8	10.2
68	7.3	5.0	7.6



#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.579 min Scan# 777
Delta R.T. 0.005 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:	82	Resp:	4518
Ion	Ratio	Lower	Upper
82	100		
128	38.4	31.4	47.2
54	60.5	47.4	71.0





#9

Naphthalene

Concen: 7.839 ng

RT: 10.244 min Scan# 91

Delta R.T. 0.005 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

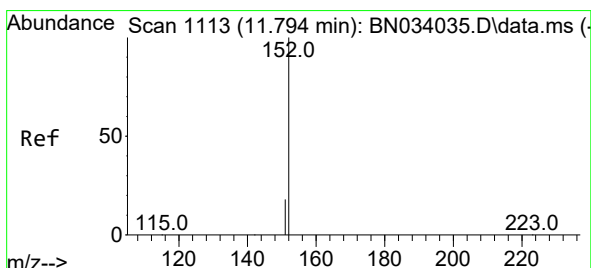
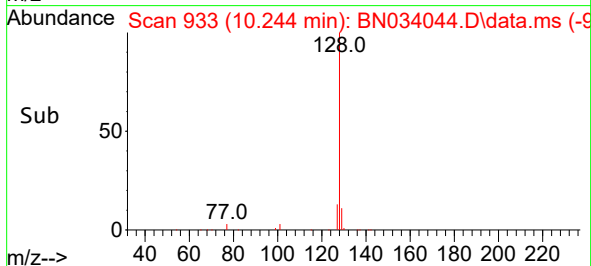
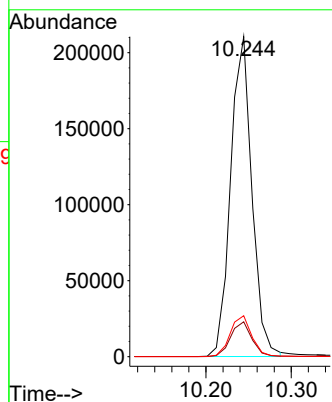
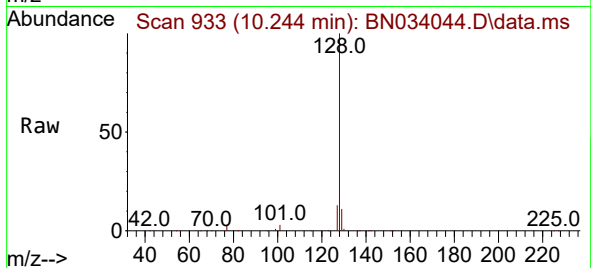
Tgt Ion:128 Resp: 364174

Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

127 12.8 10.7 16.1



#11

2-Methylnaphthalene-d10

Concen: 0.407 ng

RT: 11.791 min Scan# 1127

Delta R.T. -0.002 min

Lab File: BN034044.D

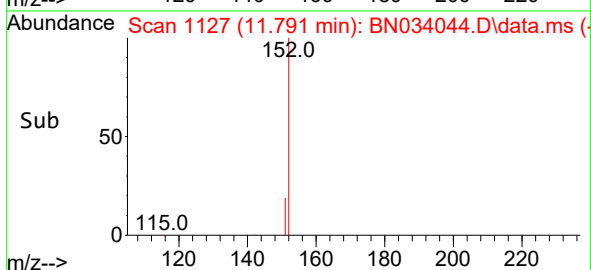
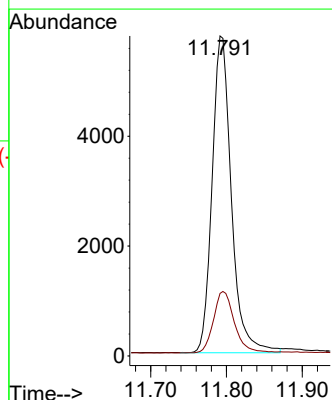
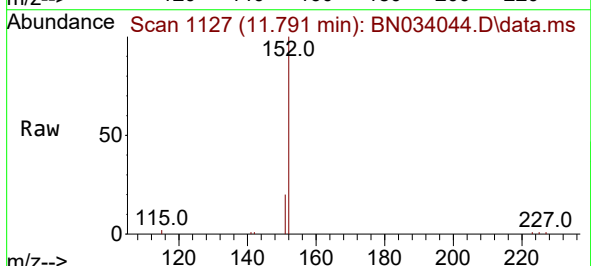
Acq: 18 Sep 2024 20:26

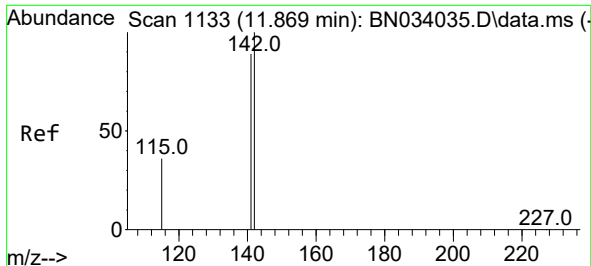
Tgt Ion:152 Resp: 10179

Ion Ratio Lower Upper

152 100

151 21.2 16.8 25.2

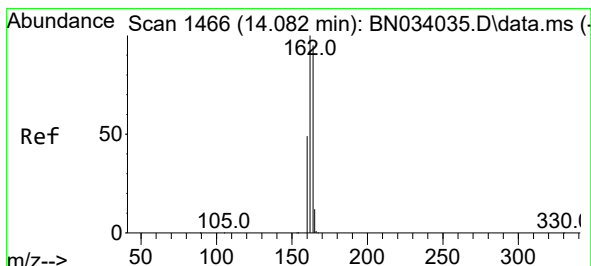
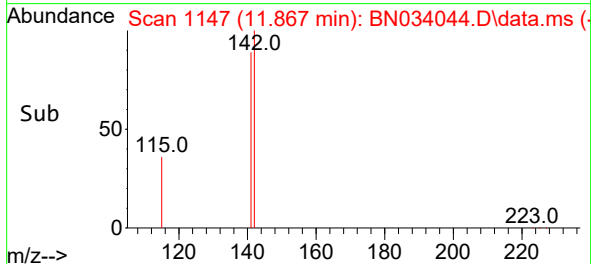
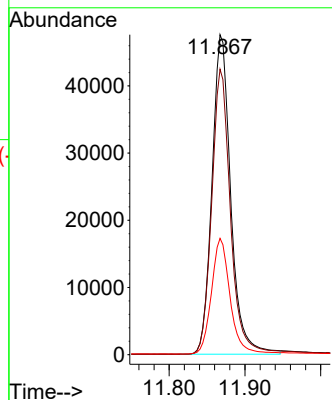
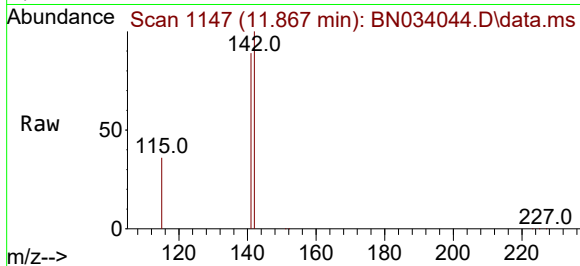




#12
2-Methylnaphthalene
Concen: 2.708 ng
RT: 11.867 min Scan# 1133
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

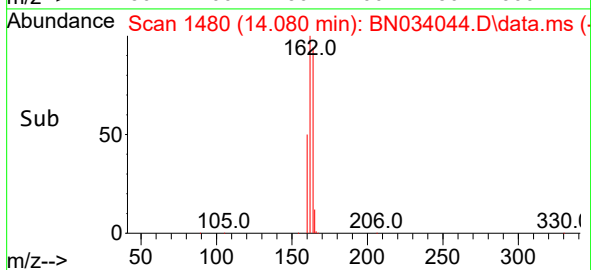
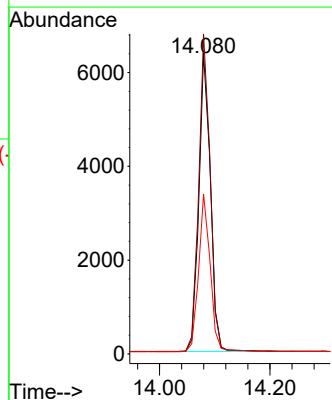
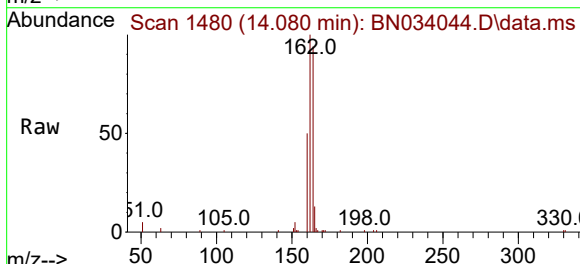
Instrument :
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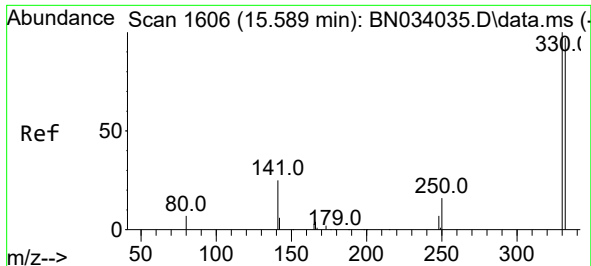
Tgt Ion:142 Resp: 81862
Ion Ratio Lower Upper
142 100
141 89.2 71.6 107.4
115 36.3 30.0 45.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.080 min Scan# 1480
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:164 Resp: 9264
Ion Ratio Lower Upper
164 100
162 106.5 84.2 126.2
160 53.3 41.7 62.5

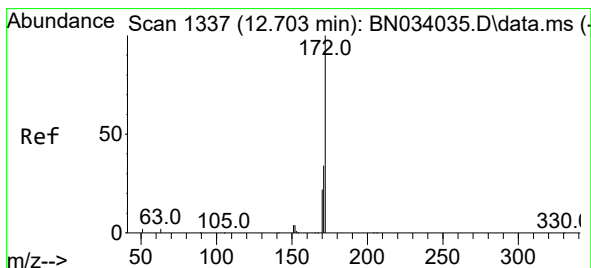
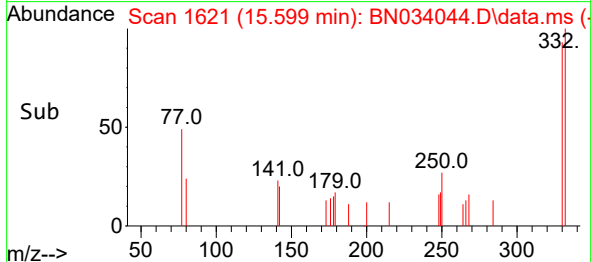
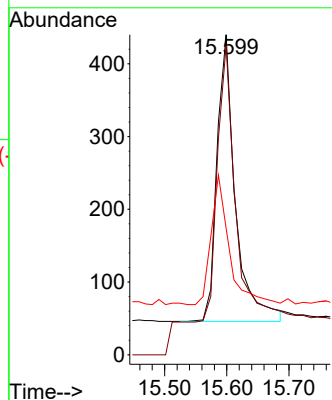
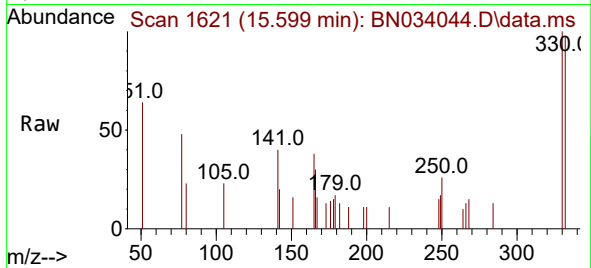




#14
2,4,6-Tribromophenol
Concen: 0.193 ng
RT: 15.599 min Scan# 1606
Delta R.T. 0.010 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

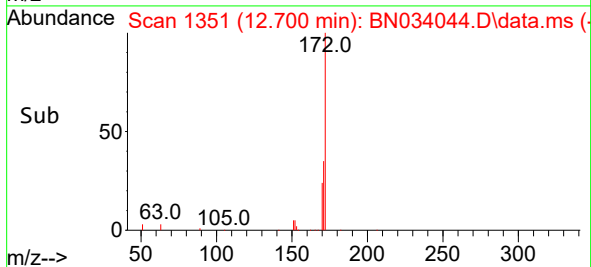
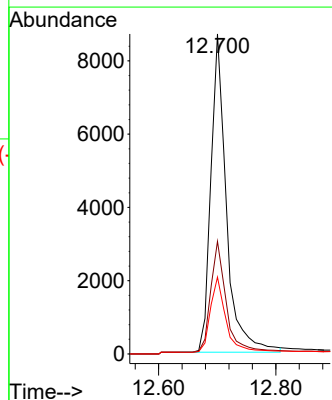
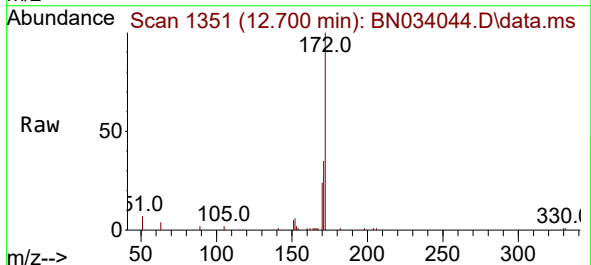
Instrument :
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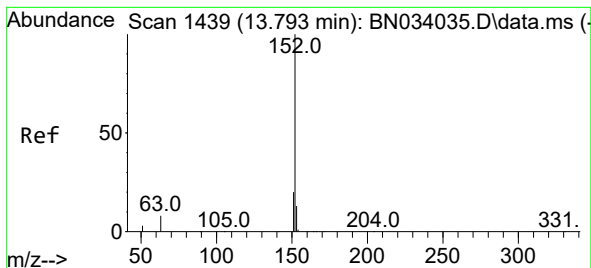
Tgt Ion:330 Resp: 810
Ion Ratio Lower Upper
330 100
332 95.7 77.4 116.0
141 44.4 35.9 53.9



#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 12.700 min Scan# 1351
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:172 Resp: 16006
Ion Ratio Lower Upper
172 100
171 35.2 27.3 40.9
170 24.0 18.1 27.1





#16

Acenaphthylene

Concen: 14.476 ng

RT: 13.791 min Scan# 14

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

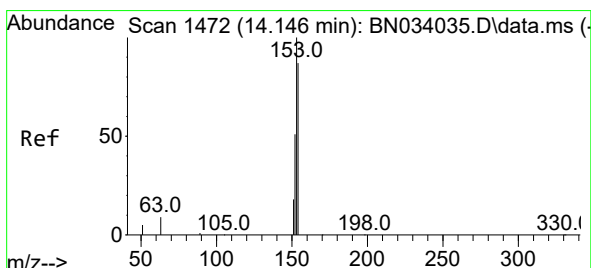
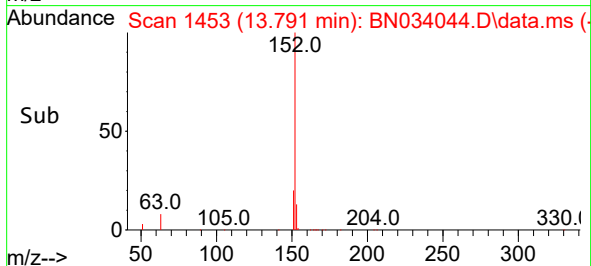
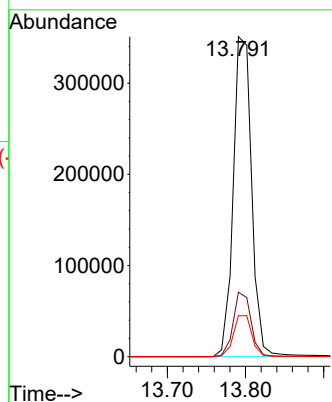
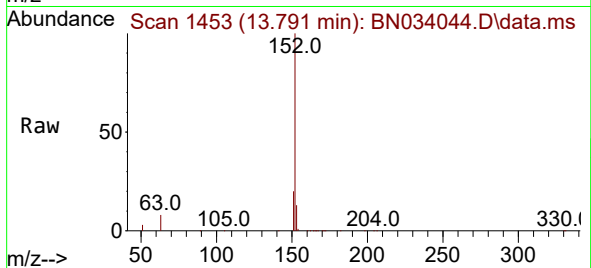
Tgt Ion:152 Resp: 574053

Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

153 13.0 10.3 15.5



#17

Acenaphthene

Concen: 8.672 ng

RT: 14.144 min Scan# 1486

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

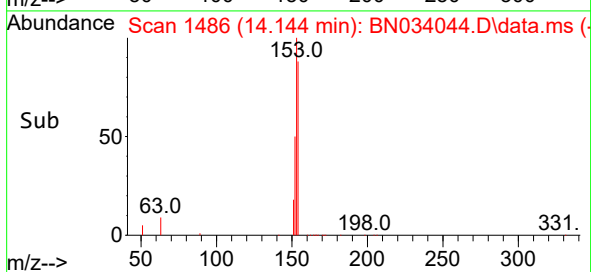
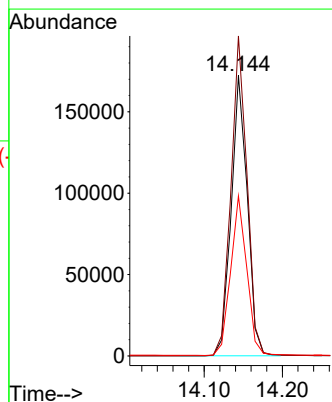
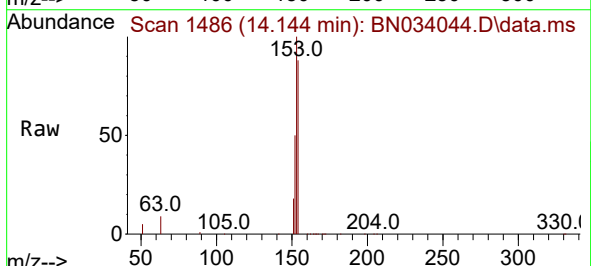
Tgt Ion:154 Resp: 246657

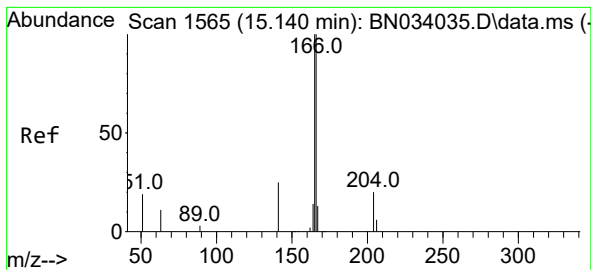
Ion Ratio Lower Upper

154 100

153 113.8 91.6 137.4

152 57.0 47.4 71.2





#18

Fluorene

Concen: 7.275 ng

RT: 15.138 min Scan# 1

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

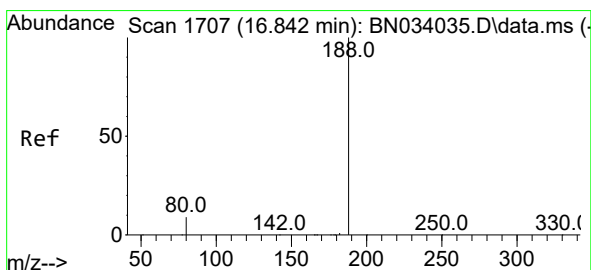
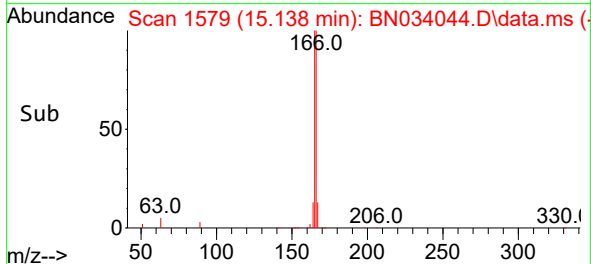
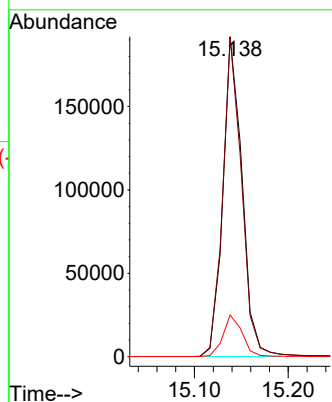
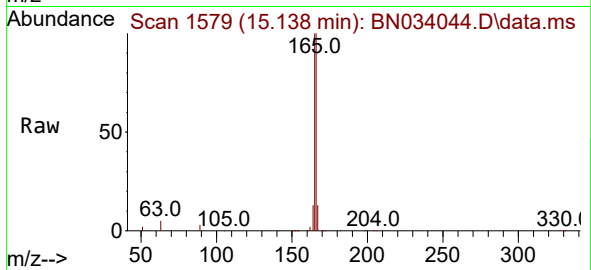
Tgt Ion:166 Resp: 271516

Ion Ratio Lower Upper

166 100

165 98.4 79.1 118.7

167 13.1 10.6 15.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.840 min Scan# 1721

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

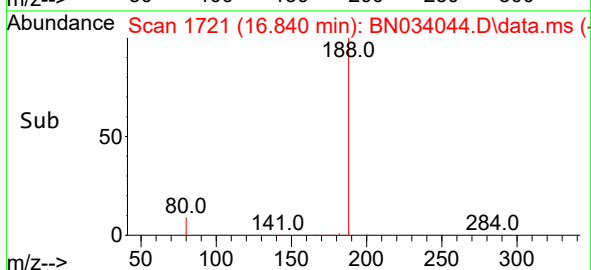
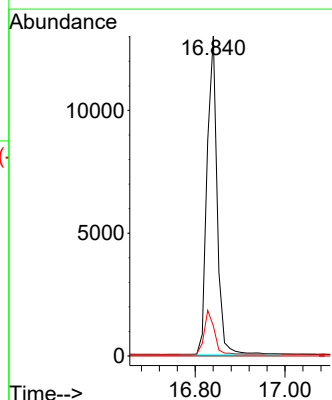
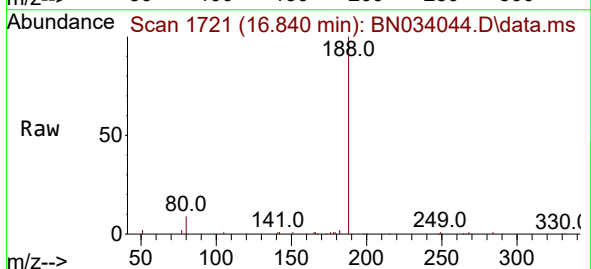
Tgt Ion:188 Resp: 20315

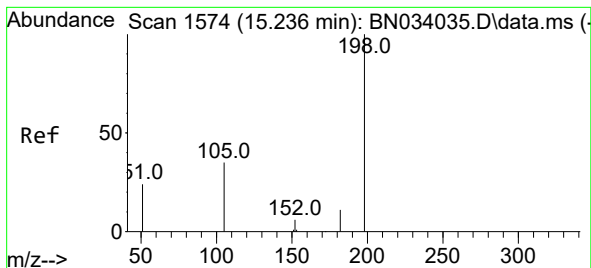
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 7.4 11.0

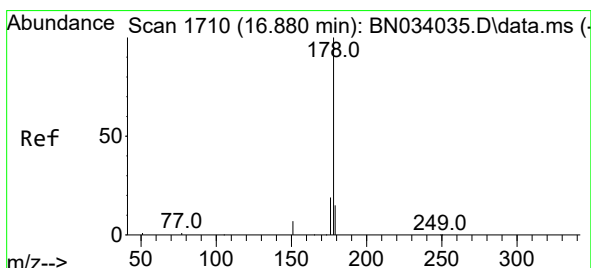
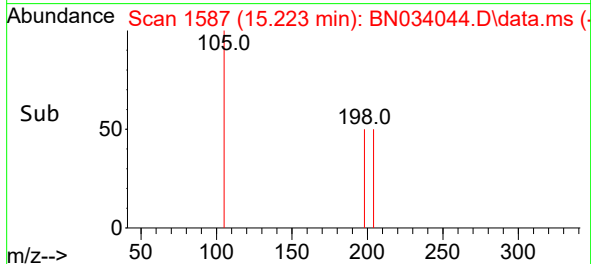
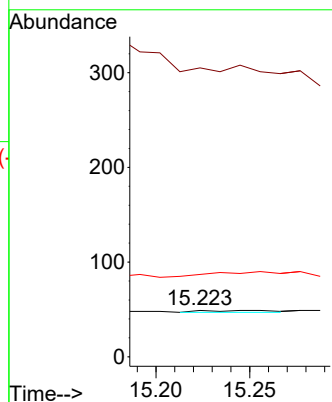
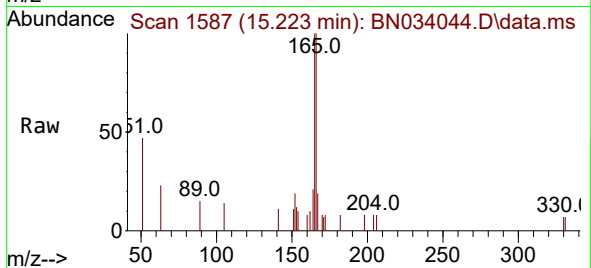




#20
4,6-Dinitro-2-methylphenol
Concen: 0.139 ng
RT: 15.223 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

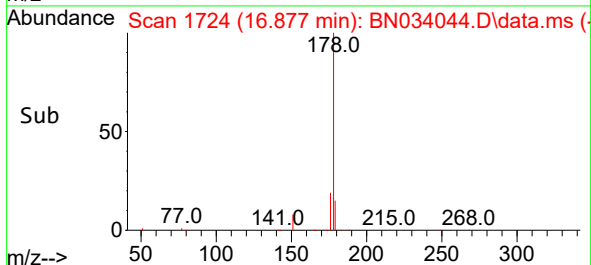
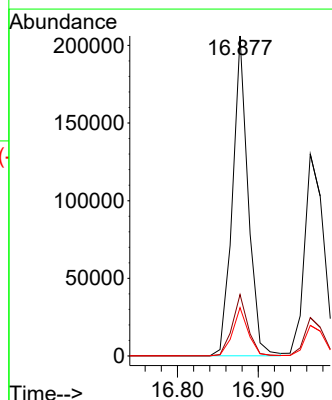
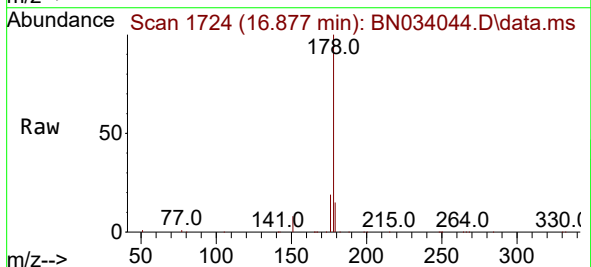
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

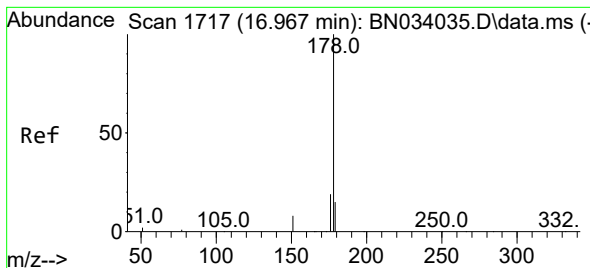
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 622.4 106.4 159.6#
105 177.6 38.5 57.7#



#25
Phenanthrene
Concen: 4.753 ng
RT: 16.877 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:178 Resp: 277268
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.1 12.1 18.1





#26

Anthracene

Concen: 4.537 ng

RT: 16.964 min Scan# 1717

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

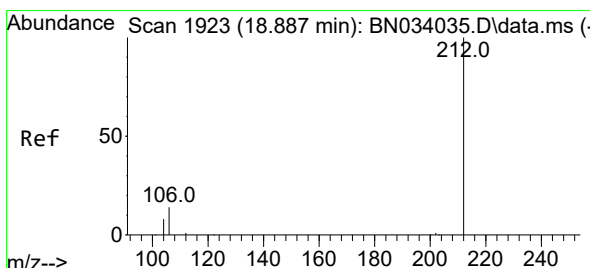
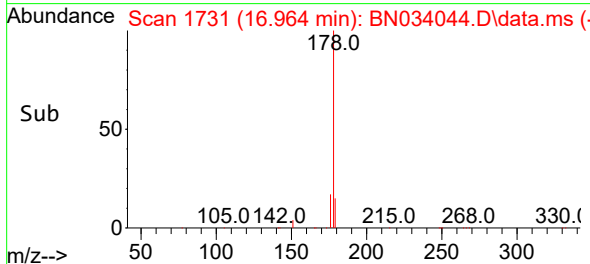
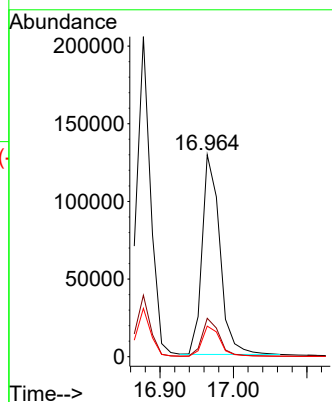
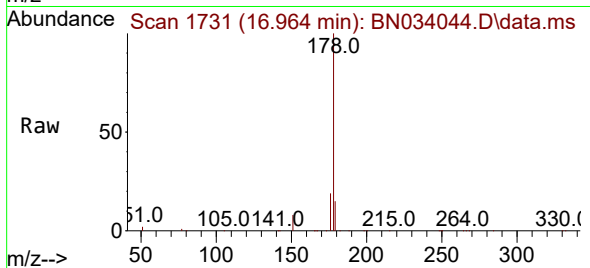
Tgt Ion:178 Resp: 215978

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.6

179 15.2 12.2 18.4



#27

Fluoranthene-d10

Concen: 0.425 ng

RT: 18.883 min Scan# 1935

Delta R.T. -0.004 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

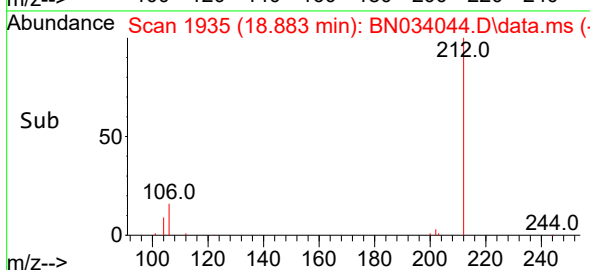
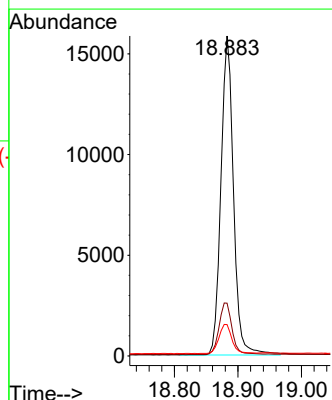
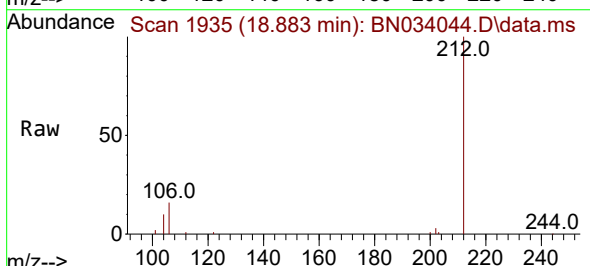
Tgt Ion:212 Resp: 21764

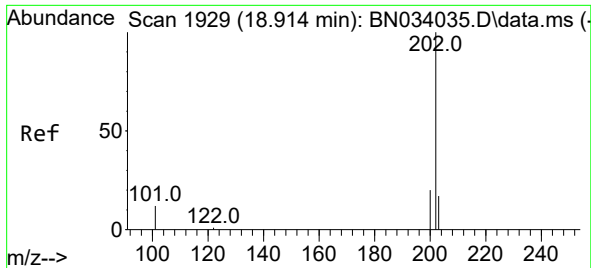
Ion Ratio Lower Upper

212 100

106 16.7 13.4 20.2

104 9.4 7.8 11.6

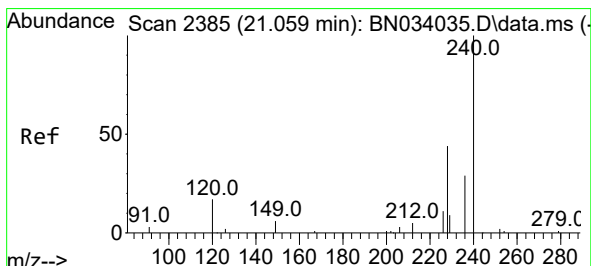
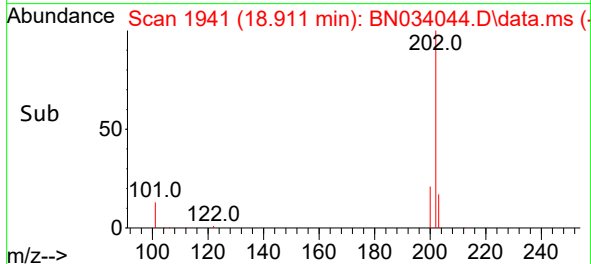
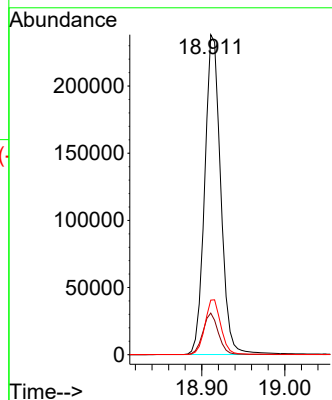
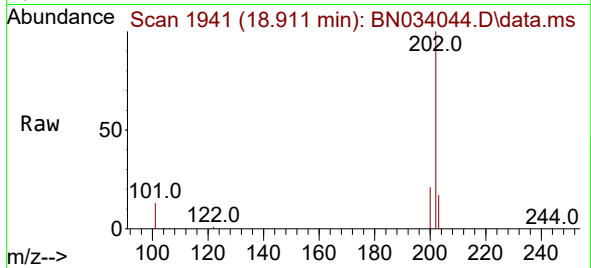




#28
Fluoranthene
Concen: 4.733 ng
RT: 18.911 min Scan# 1929
Delta R.T. -0.004 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

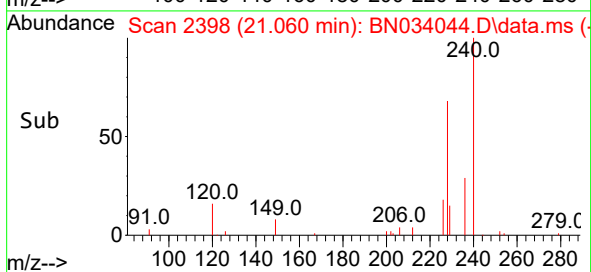
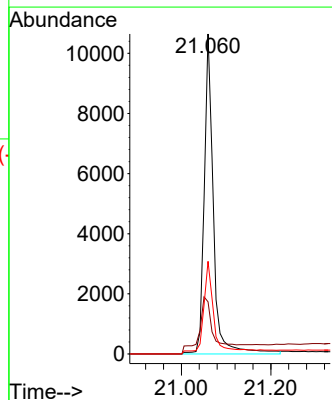
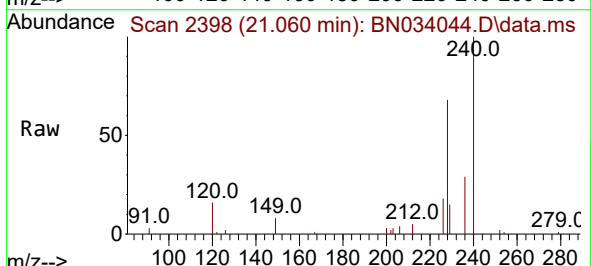
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

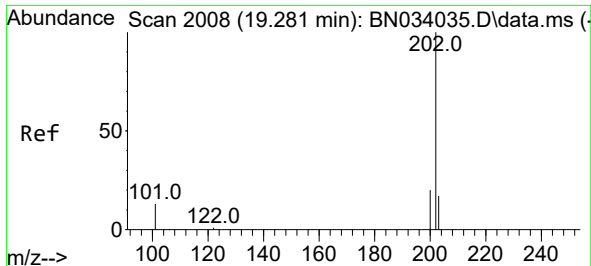
Tgt Ion:202 Resp: 319835
Ion Ratio Lower Upper
202 100
101 12.6 10.1 15.1
203 17.2 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.060 min Scan# 2398
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:240 Resp: 14604
Ion Ratio Lower Upper
240 100
120 16.3 13.5 20.3
236 28.9 23.4 35.0

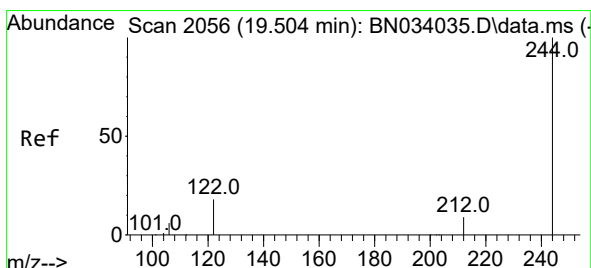
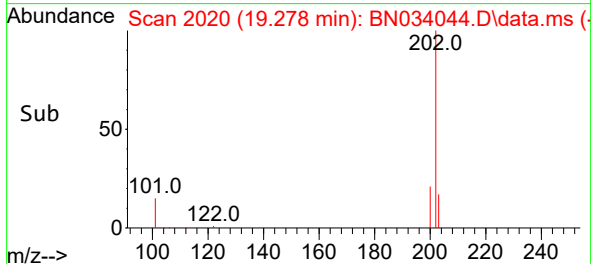
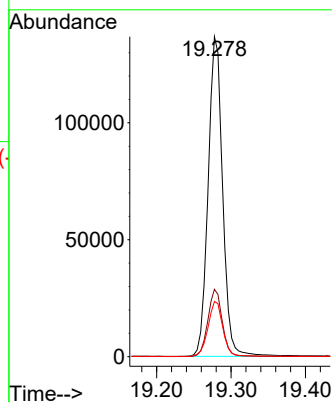
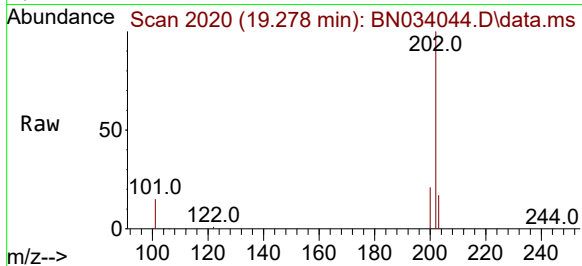




#30
Pyrene
Concen: 3.002 ng
RT: 19.278 min Scan# 2008
Delta R.T. -0.004 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

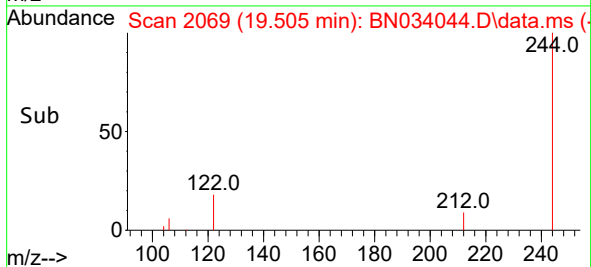
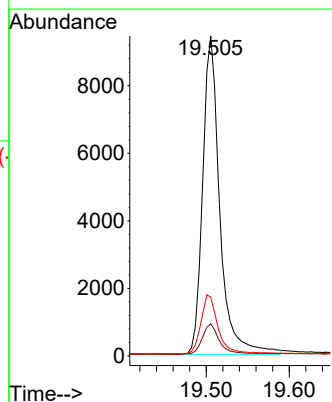
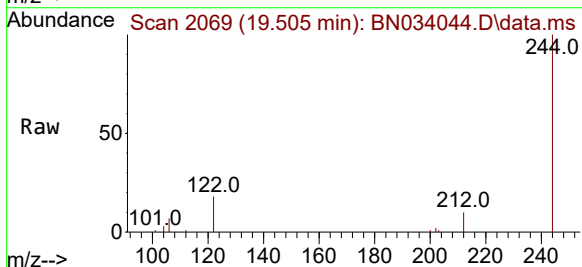
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

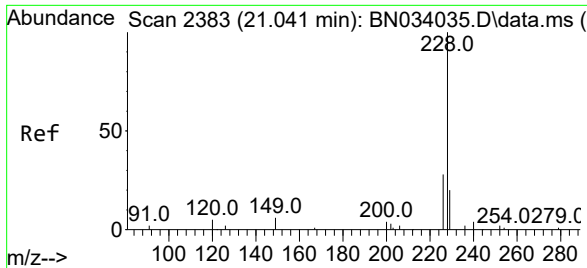
Tgt Ion:202 Resp: 185072
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.6 14.3 21.5



#31
Terphenyl-d14
Concen: 0.465 ng
RT: 19.505 min Scan# 2069
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:244 Resp: 13552
Ion Ratio Lower Upper
244 100
212 10.0 7.8 11.6
122 18.3 14.8 22.2

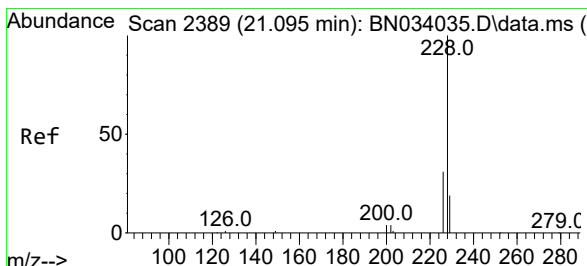
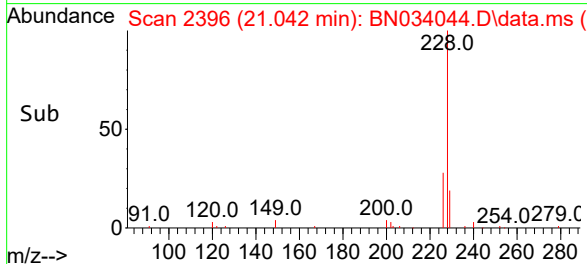
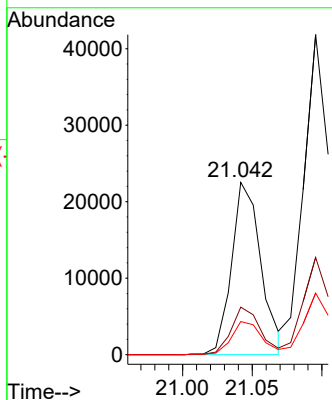
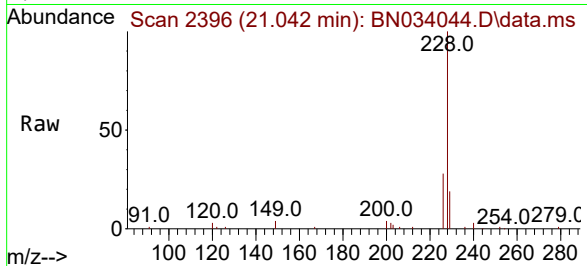




#32
Benzo(a)anthracene
Concen: 0.639 ng
RT: 21.042 min Scan# 2100
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

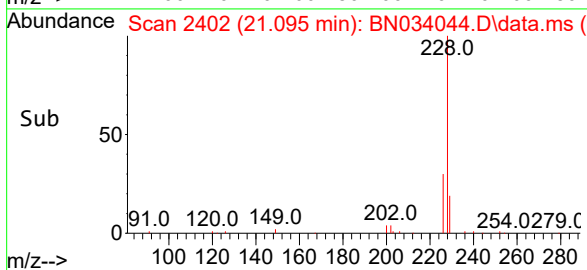
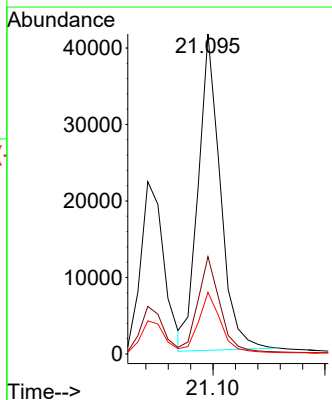
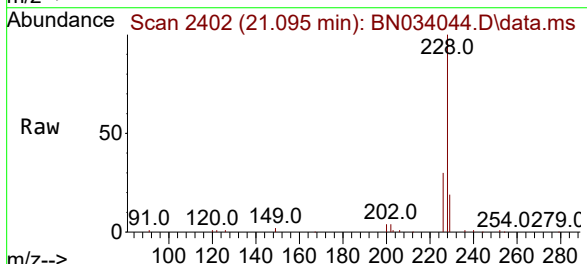
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

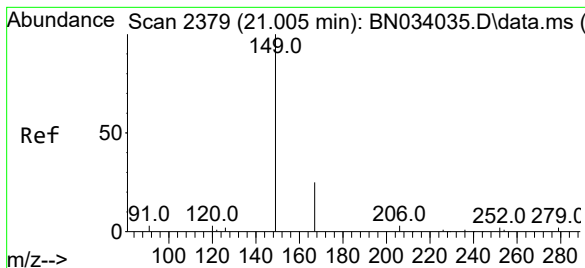
Tgt Ion:228 Resp: 29542
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 19.2 15.7 23.5



#33
Chrysene
Concen: 1.027 ng
RT: 21.095 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:228 Resp: 56623
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 19.3 15.5 23.3

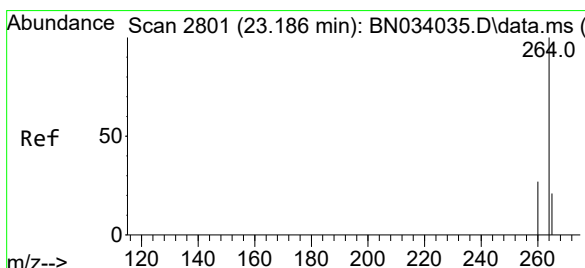
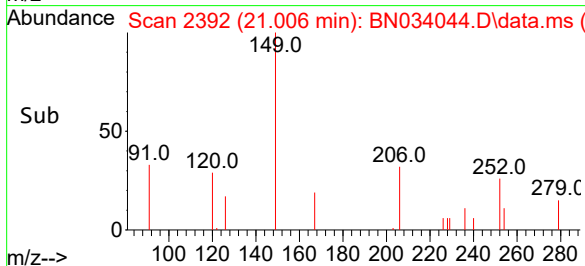
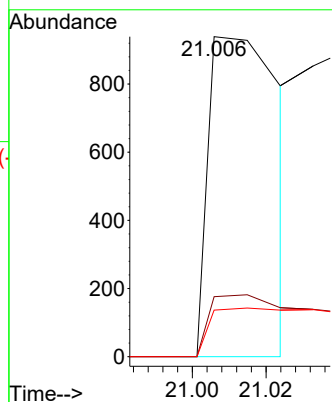
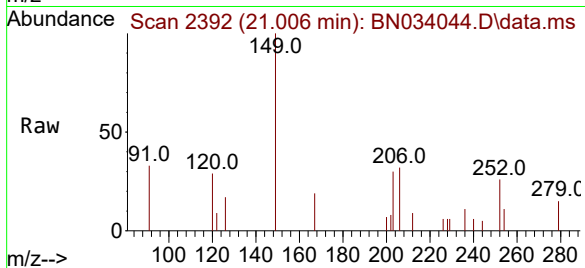




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.056 ng
RT: 21.006 min Scan# 2106
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

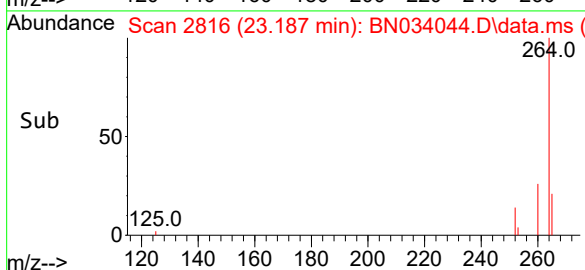
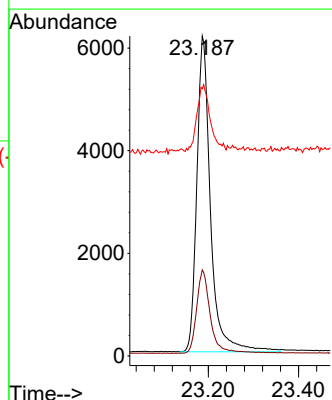
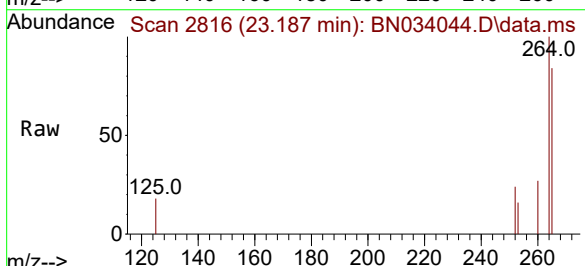
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

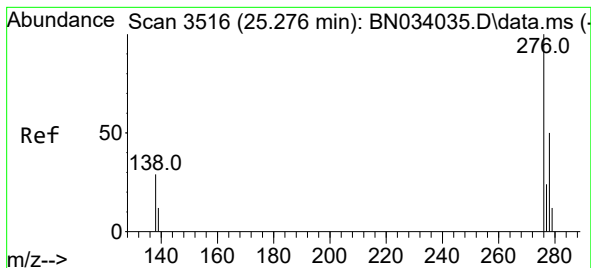
Tgt Ion:149 Resp: 1086
Ion Ratio Lower Upper
149 100
167 32.2 19.9 29.9#
279 28.5 4.6 6.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.187 min Scan# 2816
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:264 Resp: 12953
Ion Ratio Lower Upper
264 100
260 26.9 21.7 32.5
265 83.5 52.1 78.1#





#36

Indeno(1,2,3-cd)pyrene

Concen: 4.423 ng

RT: 25.274 min Scan# 31

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

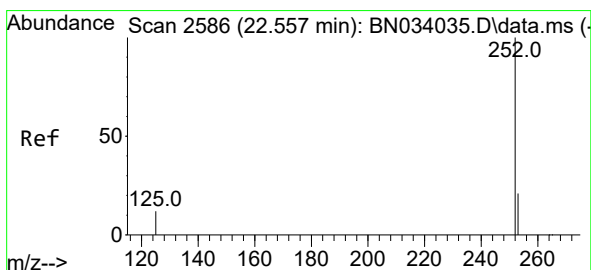
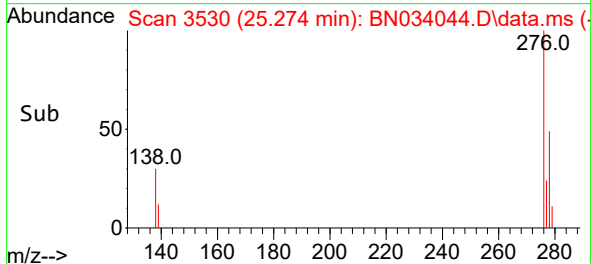
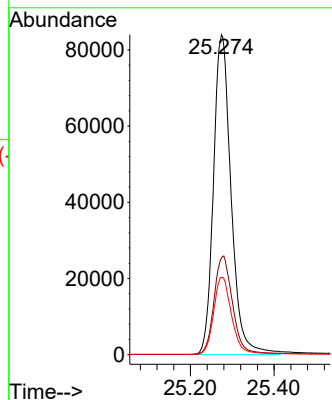
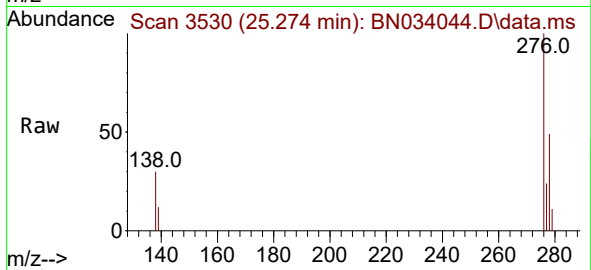
Tgt Ion:276 Resp: 245513

Ion Ratio Lower Upper

276 100

138 32.3 25.9 38.9

277 24.6 19.7 29.5



#37

Benzo(b)fluoranthene

Concen: 4.383 ng

RT: 22.558 min Scan# 2601

Delta R.T. 0.001 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

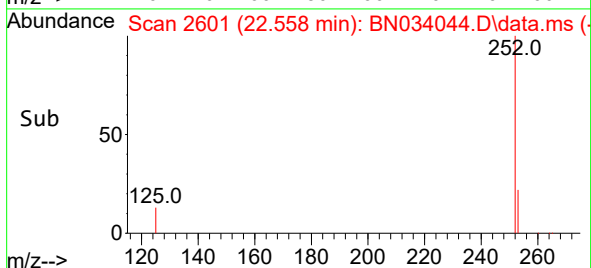
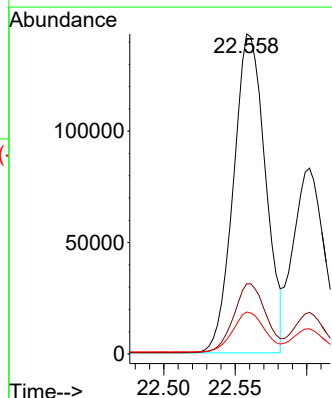
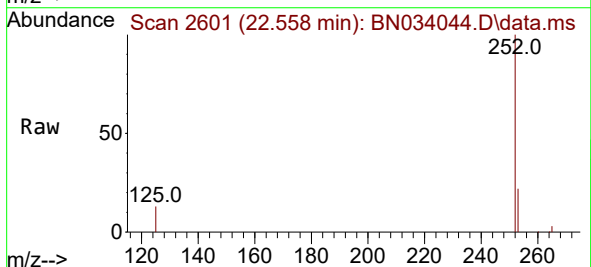
Tgt Ion:252 Resp: 222419

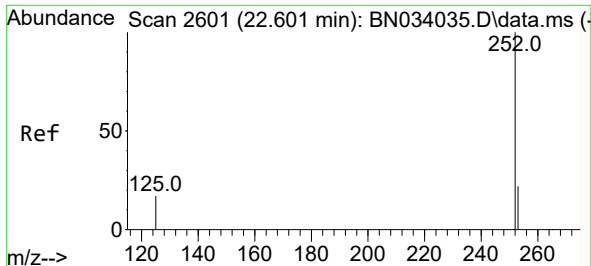
Ion Ratio Lower Upper

252 100

253 22.0 19.6 29.4

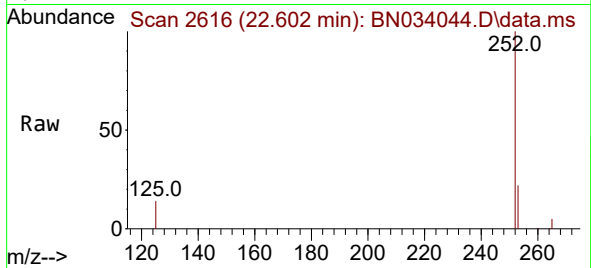
125 13.1 13.8 20.8#



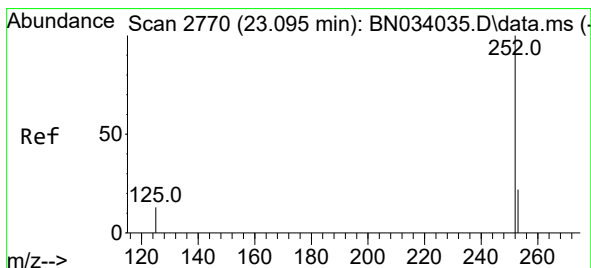
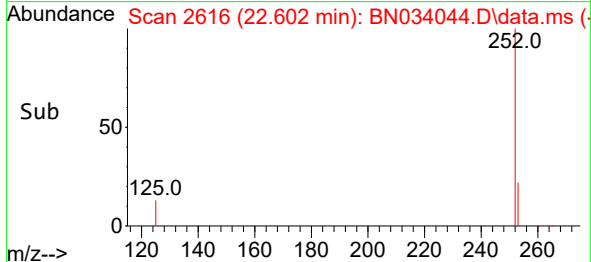
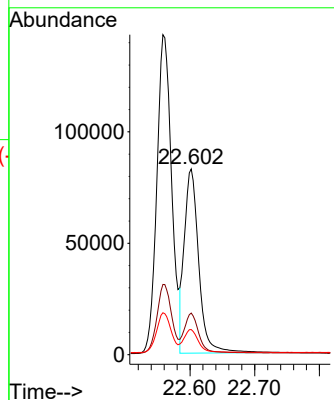


#38
Benzo(k)fluoranthene
Concen: 2.400 ng
RT: 22.602 min Scan# 21
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

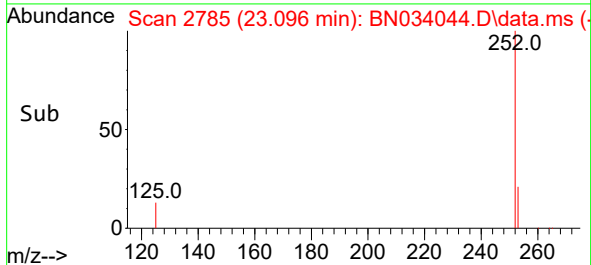
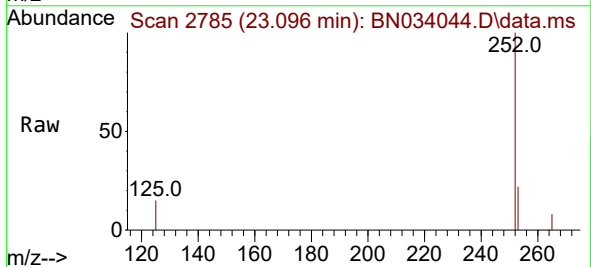
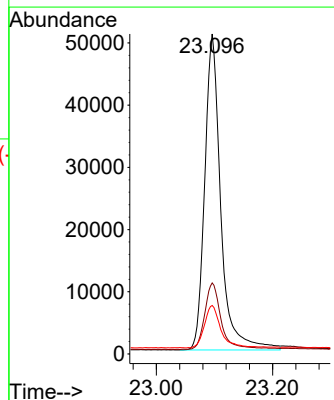


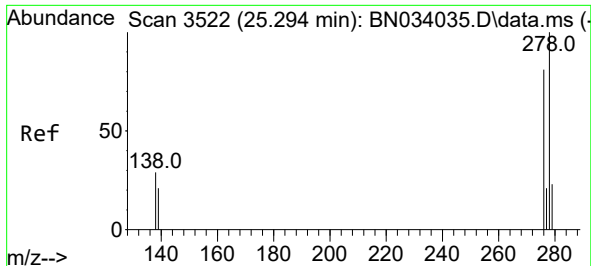
Tgt Ion:252 Resp: 127830
Ion Ratio Lower Upper
252 100
253 22.4 20.1 30.1
125 13.5 16.8 25.2#



#39
Benzo(a)pyrene
Concen: 2.356 ng
RT: 23.096 min Scan# 2785
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:252 Resp: 97448
Ion Ratio Lower Upper
252 100
253 22.2 21.8 32.8
125 15.2 17.5 26.3#

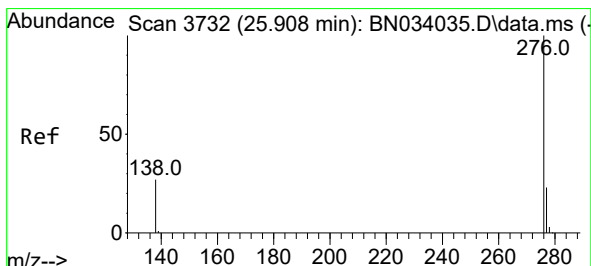
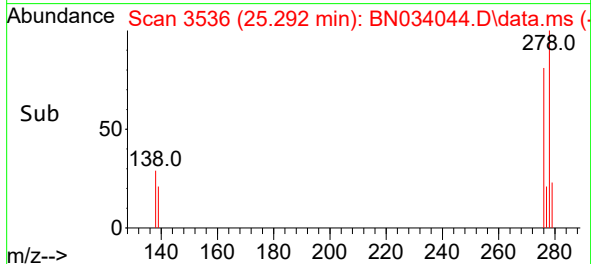
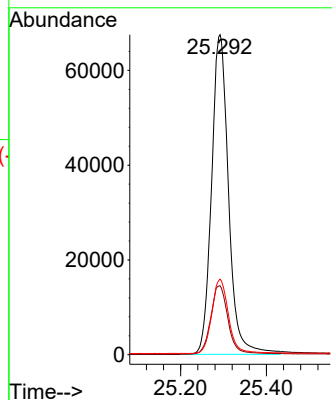
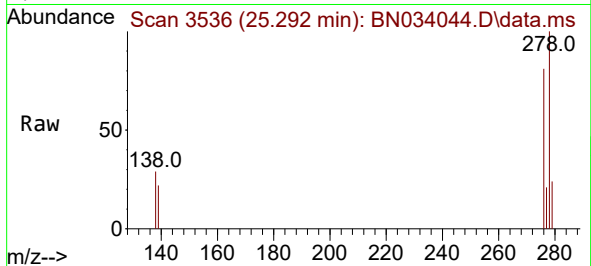




#40
Dibenzo(a,h)anthracene
Concen: 4.321 ng
RT: 25.292 min Scan# 31
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:278 Resp: 186305
Ion Ratio Lower Upper
278 100
139 21.5 17.8 26.8
279 23.6 21.0 31.6



#41
Benzo(g,h,i)perylene
Concen: 1.274 ng
RT: 25.909 min Scan# 3747
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Tgt Ion:276 Resp: 61695
Ion Ratio Lower Upper
276 100
277 23.6 19.3 28.9
138 28.2 22.6 34.0

