

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)

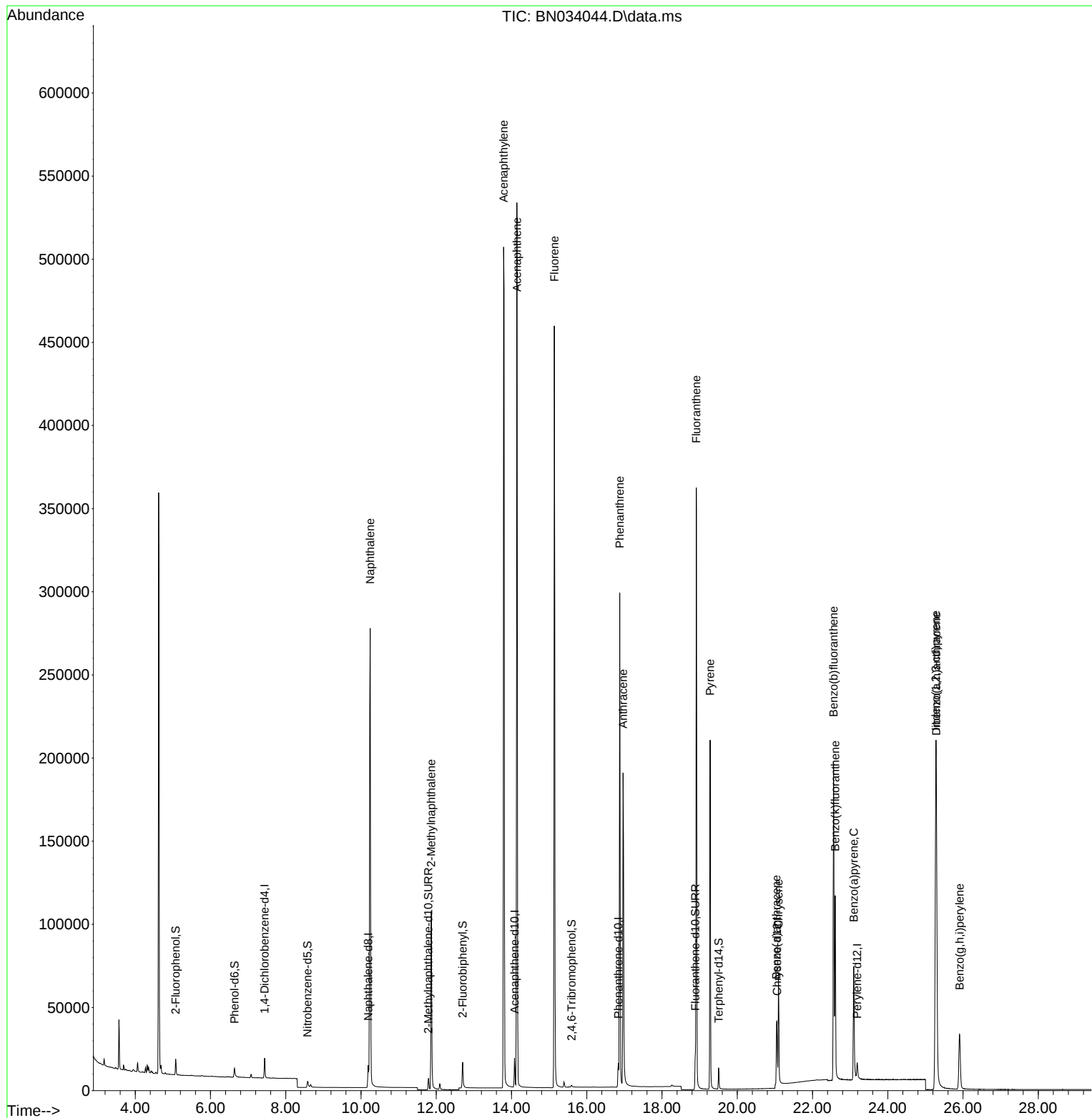
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.438	152	5896	0.400	ng	0.00
7) Naphthalene-d8	10.191	136	16928	0.400	ng	0.00
13) Acenaphthene-d10	14.080	164	9264	0.400	ng	0.00
19) Phenanthrene-d10	16.840	188	20315	0.400	ng	0.00
29) Chrysene-d12	21.060	240	14604	0.400	ng	0.00
35) Perylene-d12	23.187	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
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
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
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

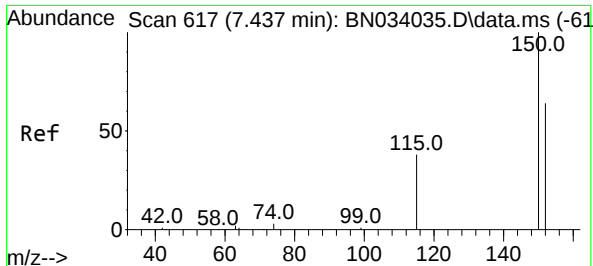
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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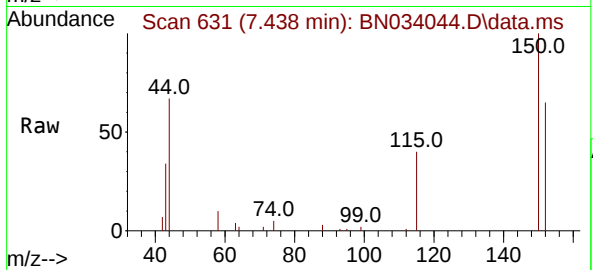
Quant Time: Sep 19 02:18:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
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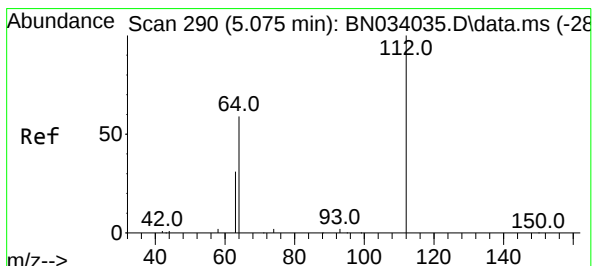
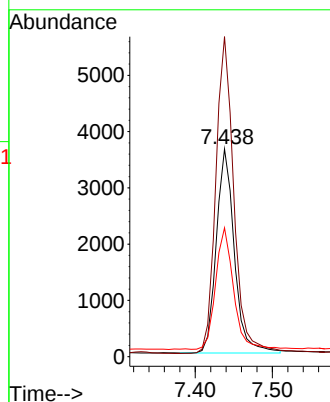
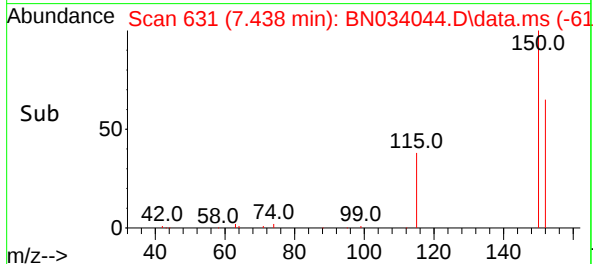


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.438 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

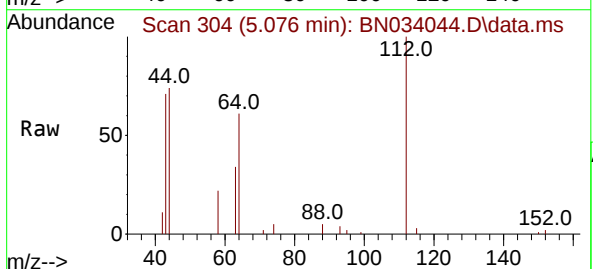
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP



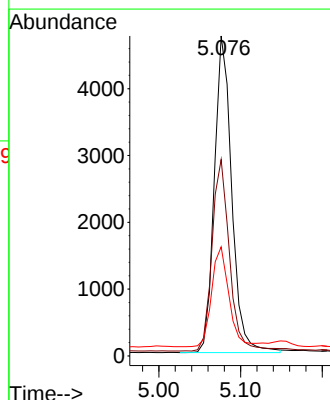
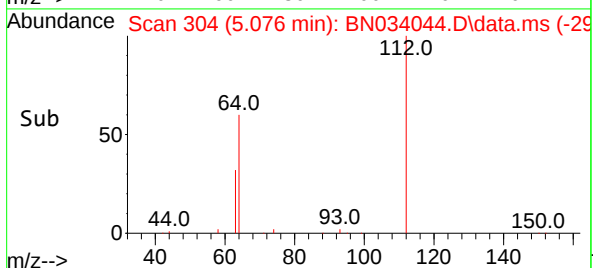
Tgt Ion:152 Resp: 5896
Ion Ratio Lower Upper
152 100
150 154.1 124.6 187.0
115 62.0 50.0 75.0

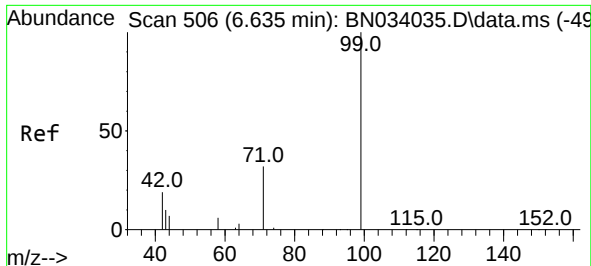


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.076 min Scan# 304
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26



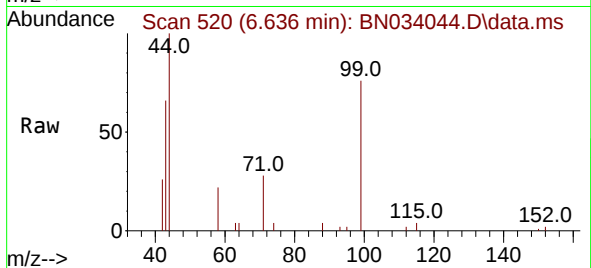
Tgt Ion:112 Resp: 7019
Ion Ratio Lower Upper
112 100
64 60.8 48.6 72.8
63 31.4 25.6 38.4



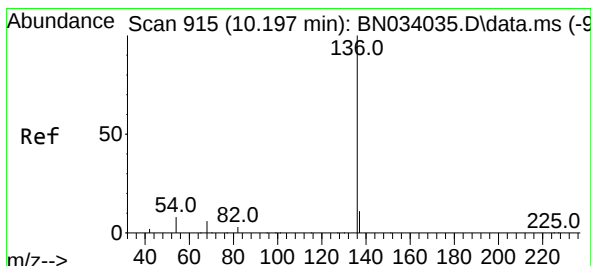
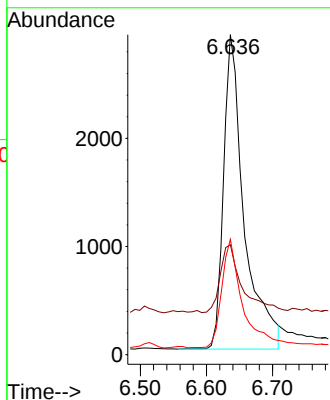
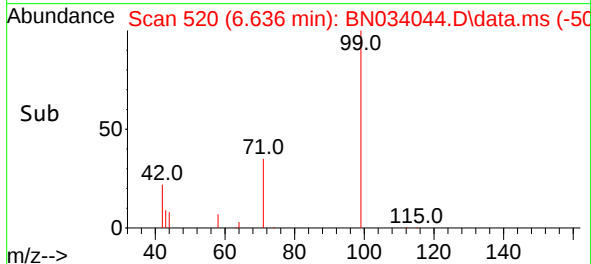


#5
Phenol-d6
Concen: 0.323 ng
RT: 6.636 min Scan# 51
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

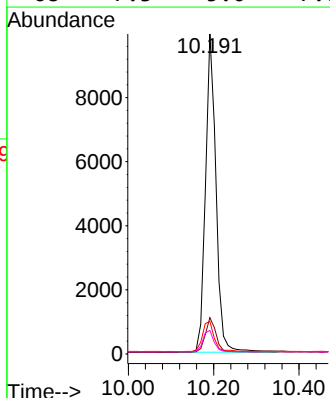
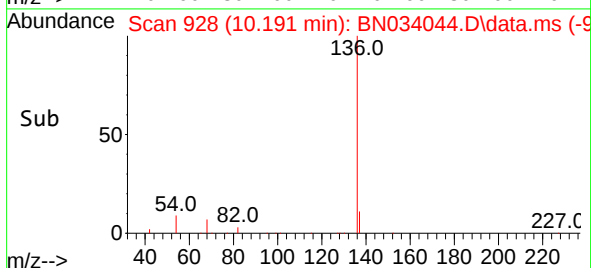
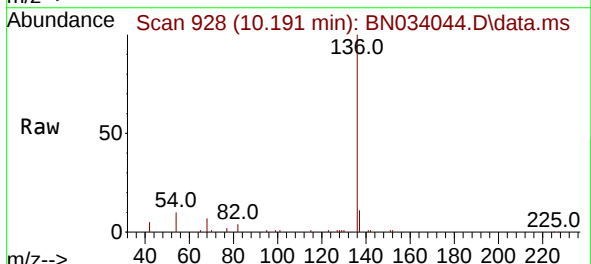


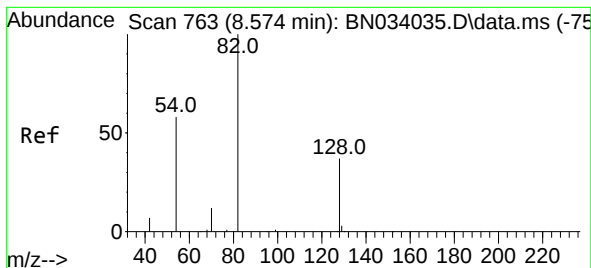
Tgt Ion:	99	Resp:	6293
Ion	Ratio	Lower	Upper
99	100		
42	22.9	17.8	26.8
71	34.4	26.2	39.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 928
Delta R.T. -0.006 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

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# 71

Delta R.T. 0.005 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

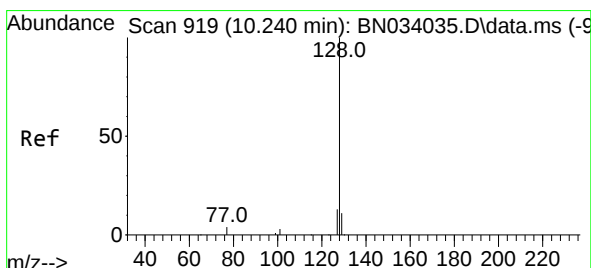
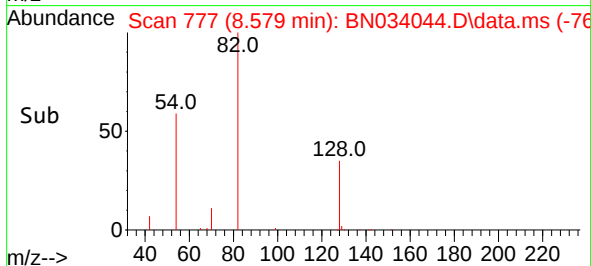
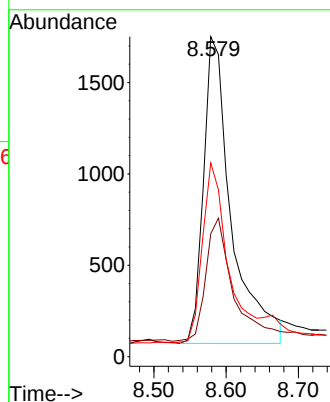
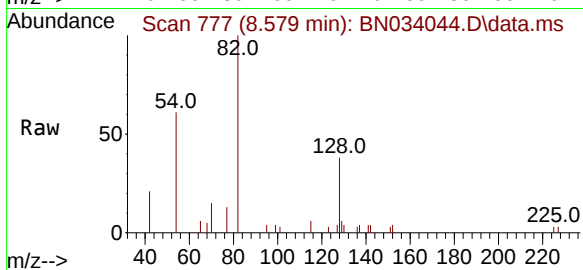
Tgt Ion: 82 Resp: 4518

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# 933

Delta R.T. 0.005 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

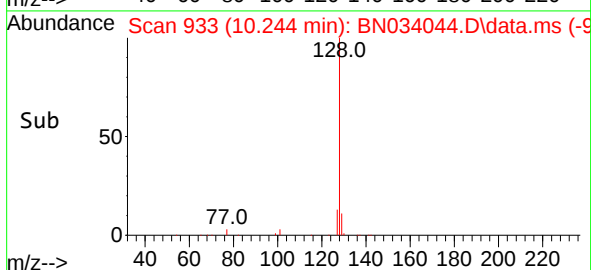
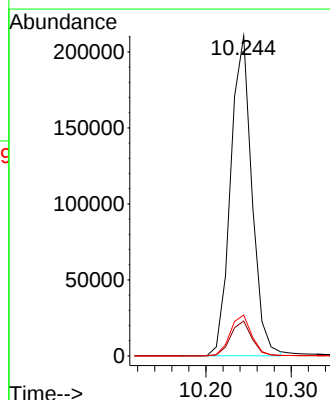
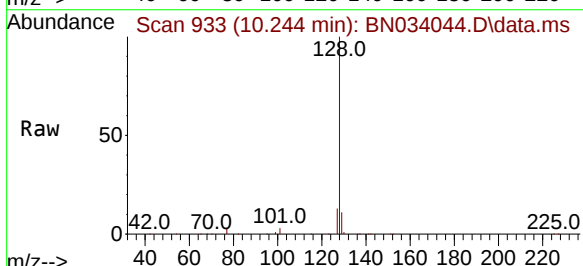
Tgt Ion: 128 Resp: 364174

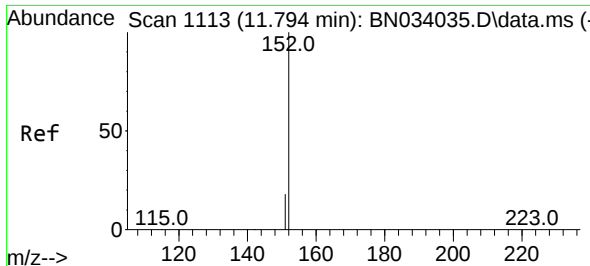
Ion Ratio Lower Upper

128 100

129 10.9 9.2 13.8

127 12.8 10.7 16.1

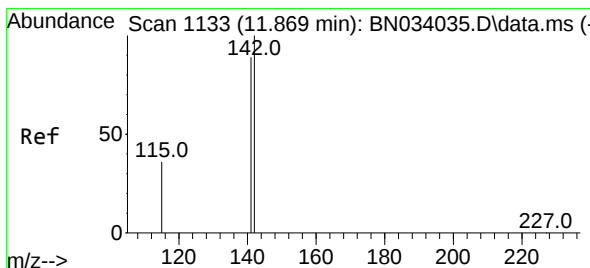
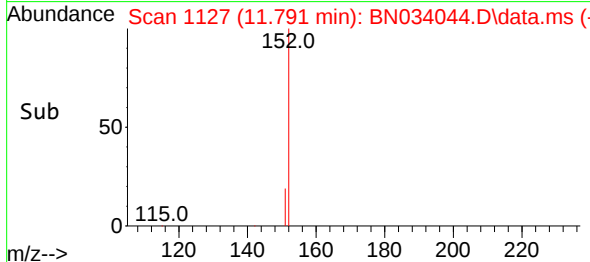
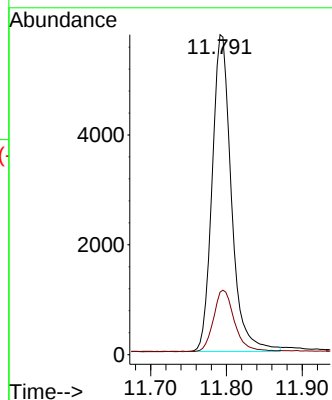
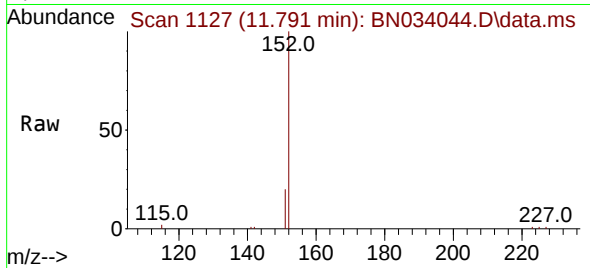




#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 11.791 min Scan# 1113
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

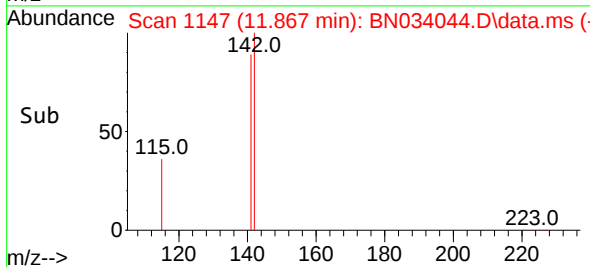
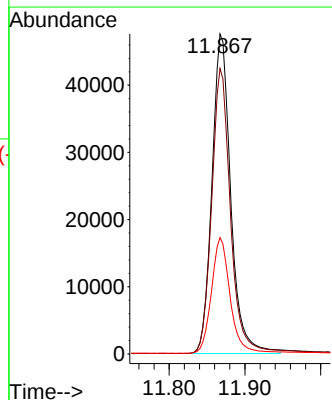
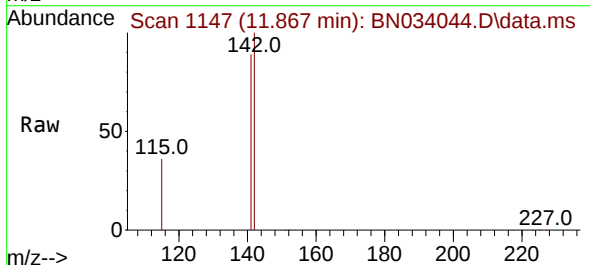
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

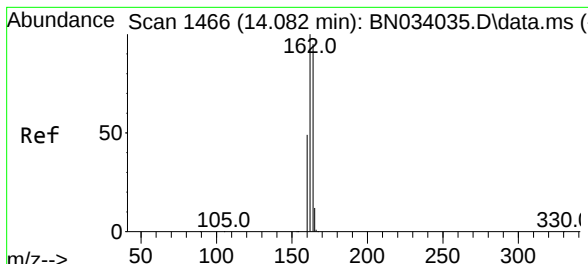
Tgt Ion:152 Resp: 10179
Ion Ratio Lower Upper
152 100
151 21.2 16.8 25.2



#12
2-Methylnaphthalene
Concen: 2.708 ng
RT: 11.867 min Scan# 1147
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

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

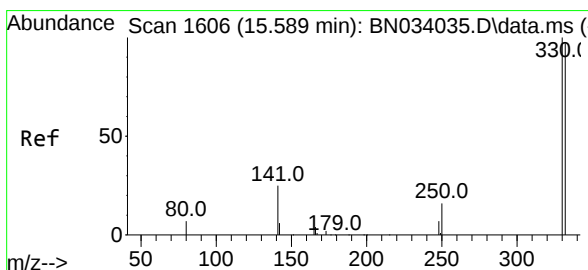
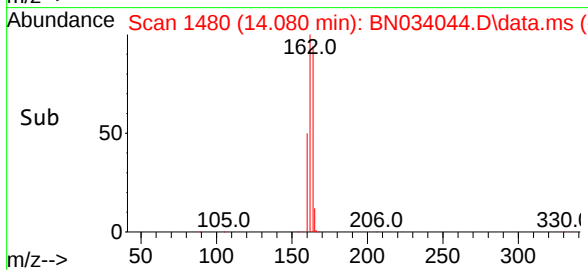
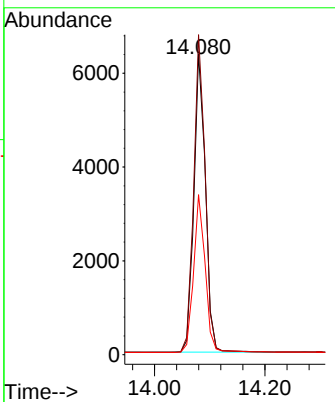
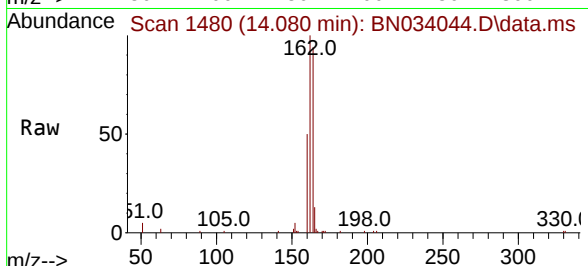




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.080 min Scan# 14
 Delta R.T. -0.002 min
 Lab File: BN034044.D
 Acq: 18 Sep 2024 20:26

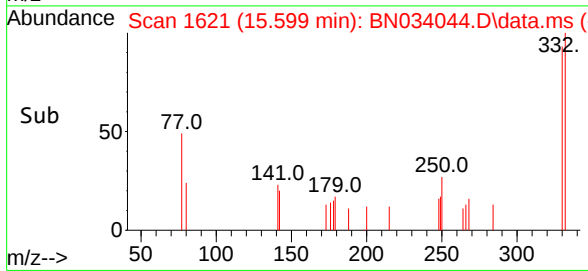
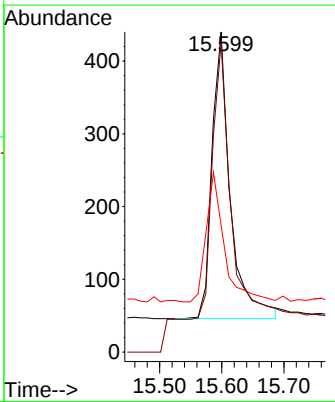
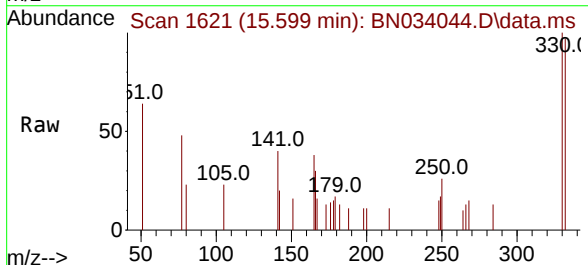
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

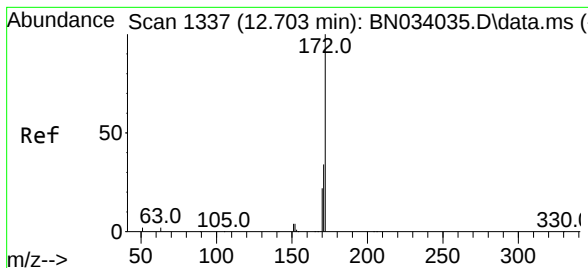
Tgt Ion:	164	Resp:	9264
Ion	Ratio	Lower	Upper
164	100		
162	106.5	84.2	126.2
160	53.3	41.7	62.5



#14
 2,4,6-Tribromophenol
 Concen: 0.193 ng
 RT: 15.599 min Scan# 1621
 Delta R.T. 0.010 min
 Lab File: BN034044.D
 Acq: 18 Sep 2024 20:26

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# 1

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WP

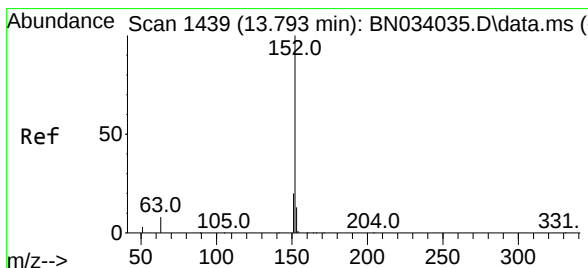
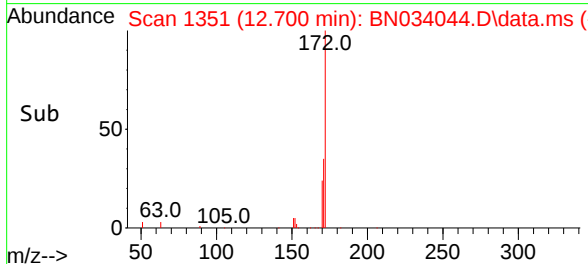
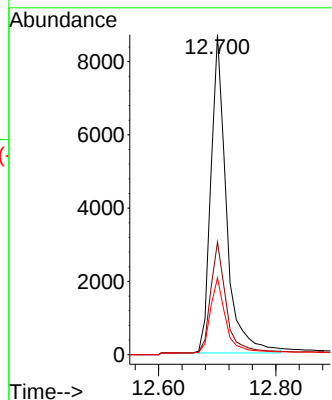
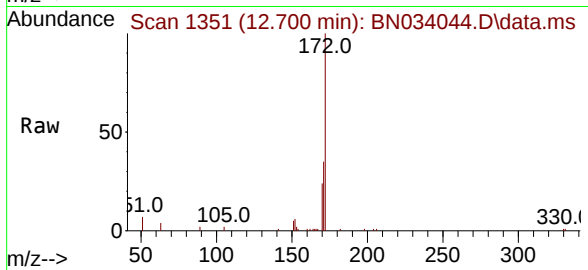
Tgt Ion:172 Resp: 16006

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# 1453

Delta R.T. -0.002 min

Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

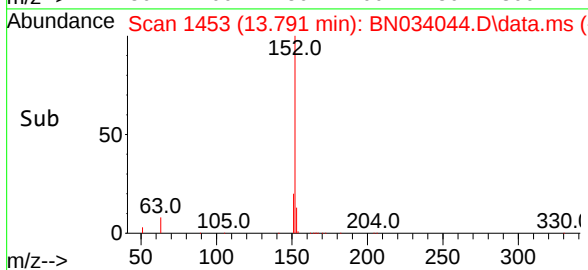
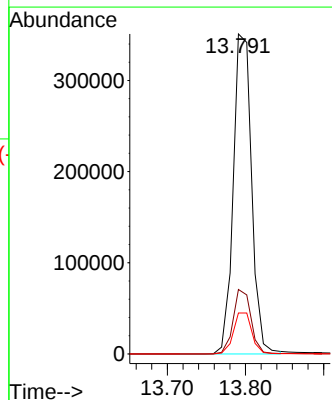
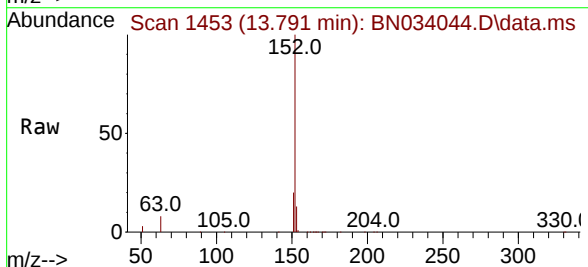
Tgt Ion:152 Resp: 574053

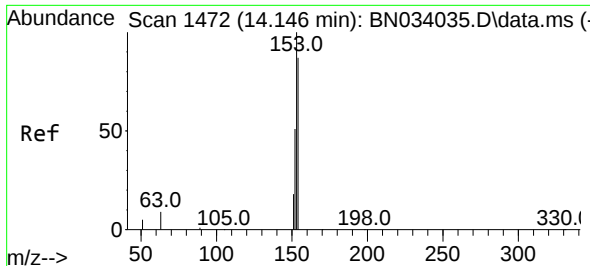
Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

153 13.0 10.3 15.5

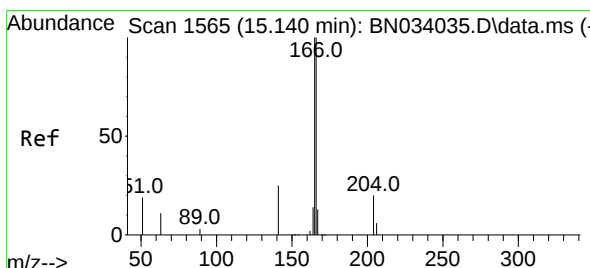
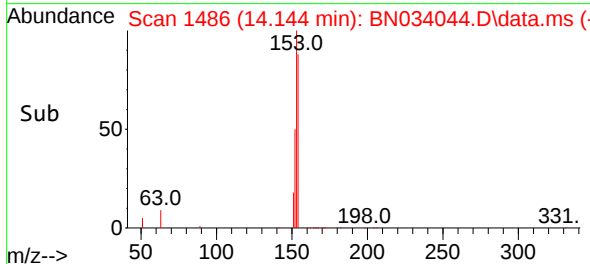
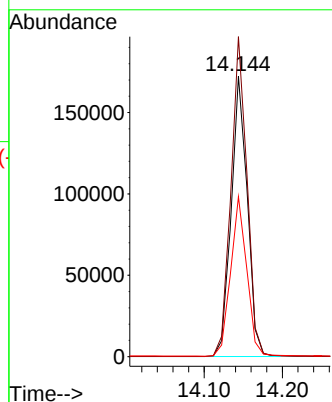
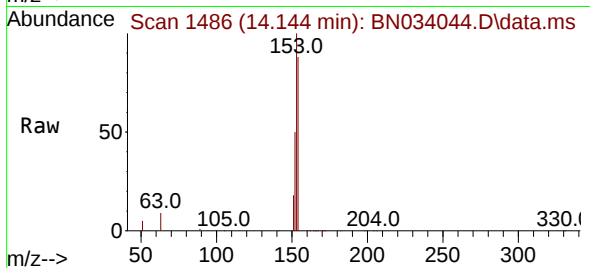




#17
Acenaphthene
Concen: 8.672 ng
RT: 14.144 min Scan# 1472
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

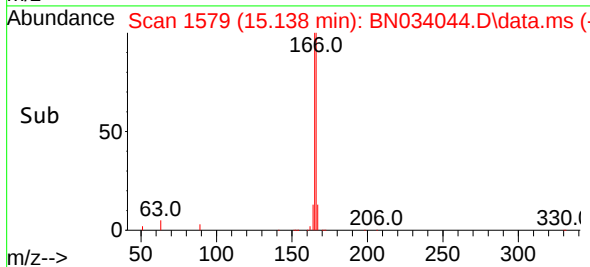
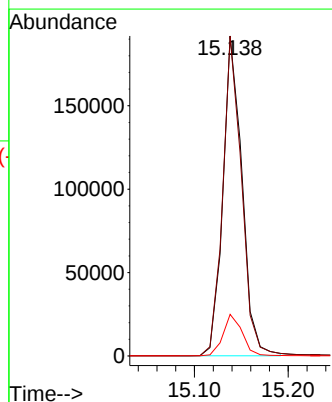
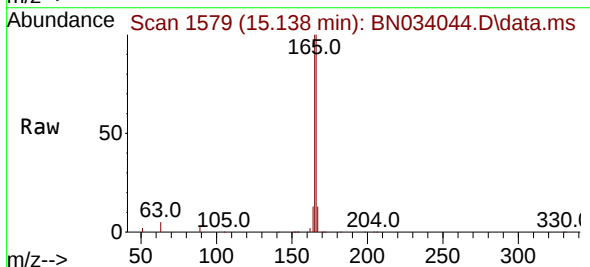
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

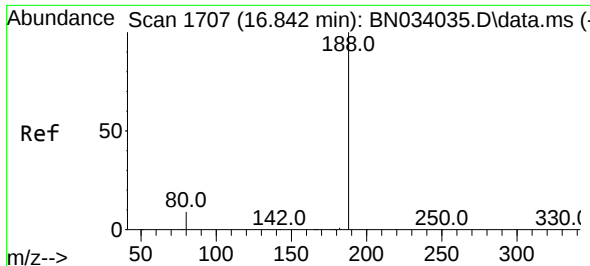
Tgt Ion:154 Resp: 246657
Ion Ratio Lower Upper
154 100
153 113.8 91.6 137.4
152 57.0 47.4 71.2



#18
Fluorene
Concen: 7.275 ng
RT: 15.138 min Scan# 1579
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

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

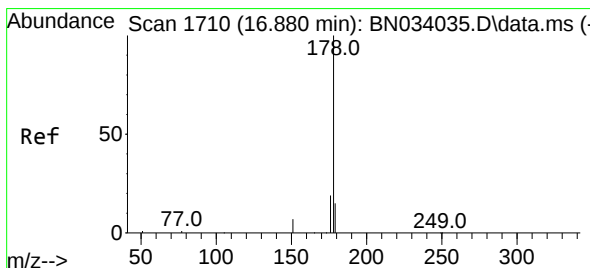
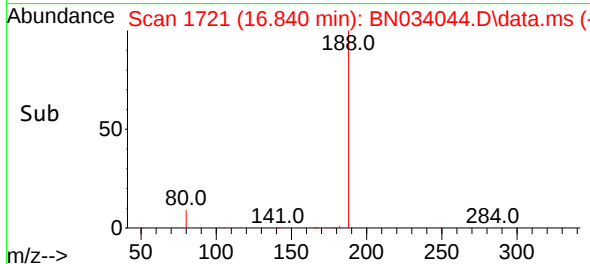
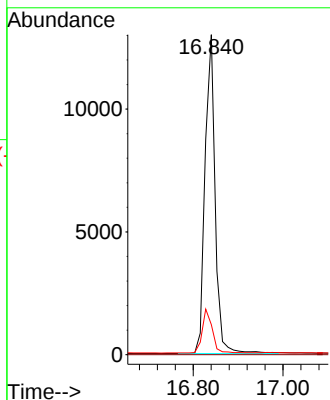
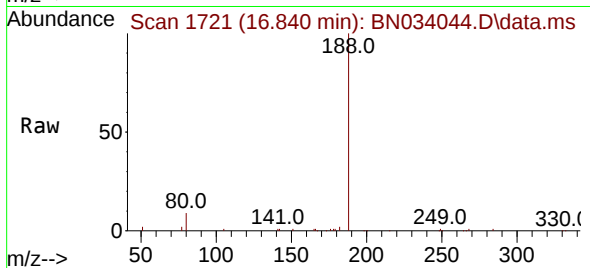




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.840 min Scan# 1707
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

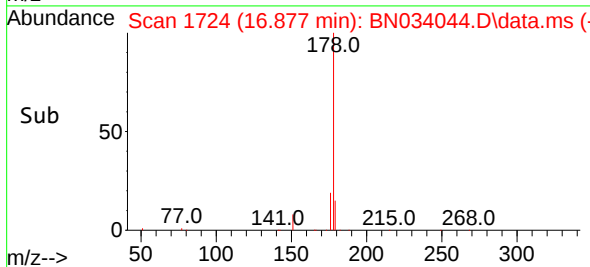
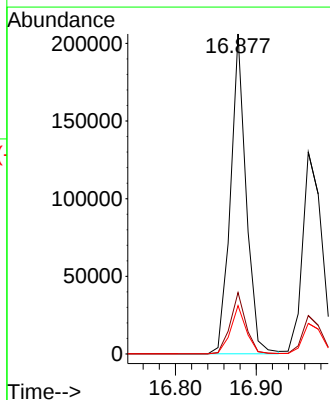
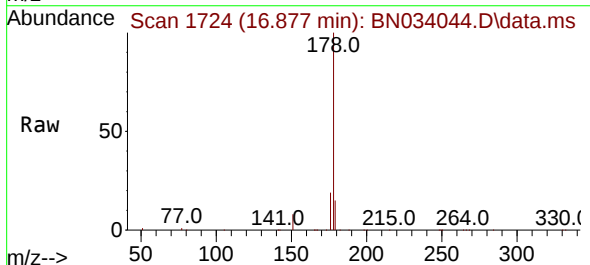
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

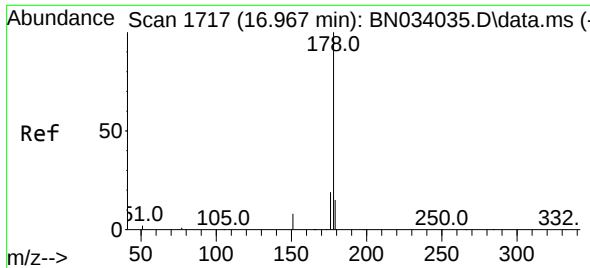
Tgt Ion:188 Resp: 20315
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.4 7.4 11.0



#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

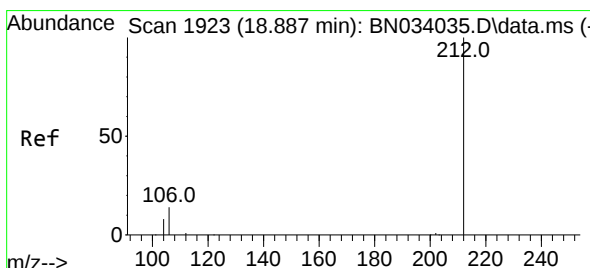
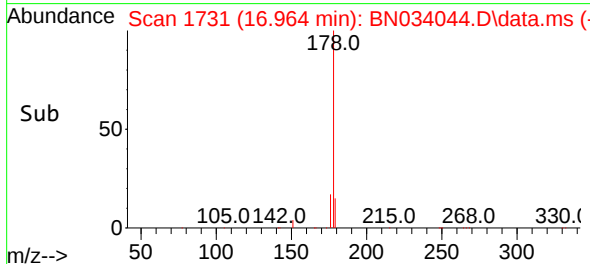
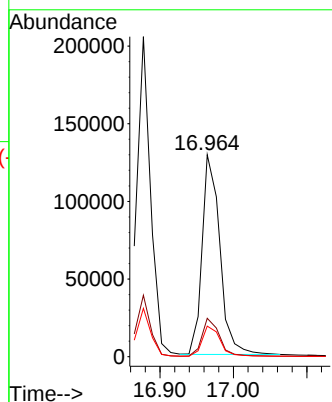
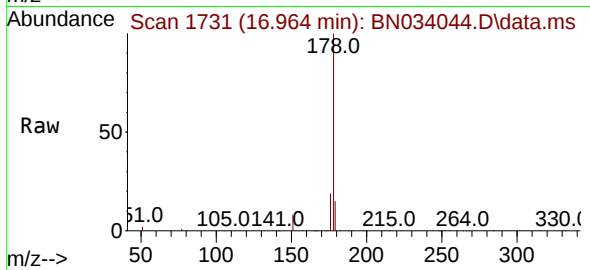




#26
 Anthracene
 Concen: 4.537 ng
 RT: 16.964 min Scan# 1717
 Delta R.T. -0.002 min
 Lab File: BN034044.D
 Acq: 18 Sep 2024 20:26

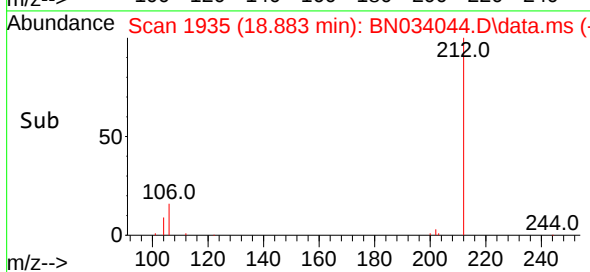
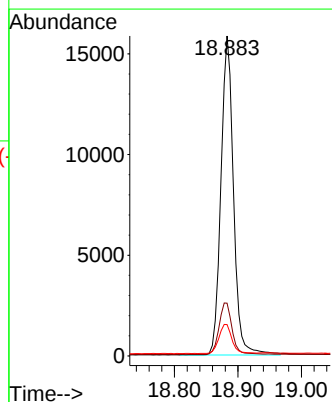
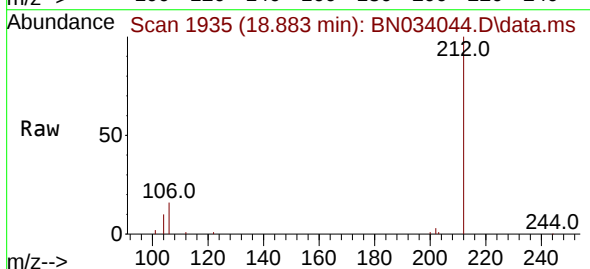
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

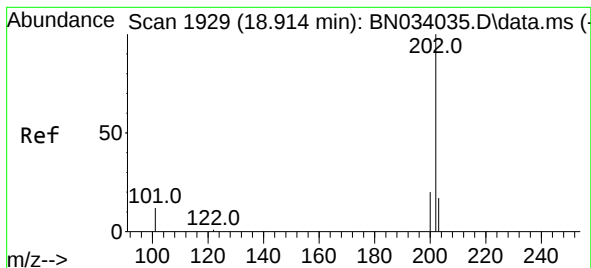
Tgt Ion:178 Resp: 215978
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 15.2 12.2 18.4



#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

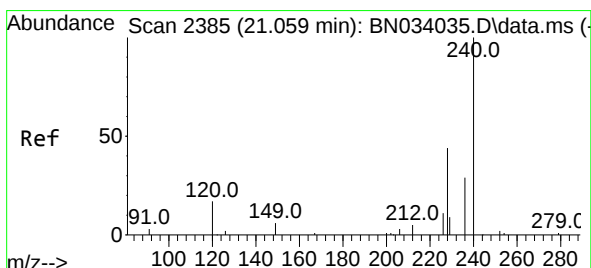
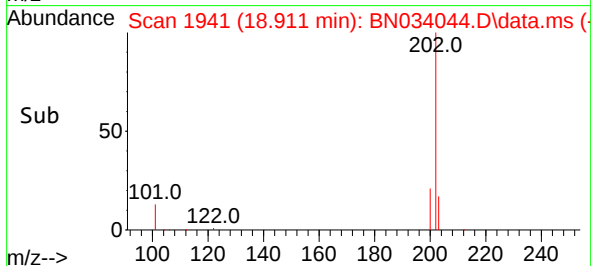
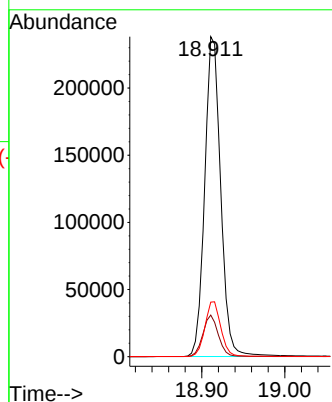
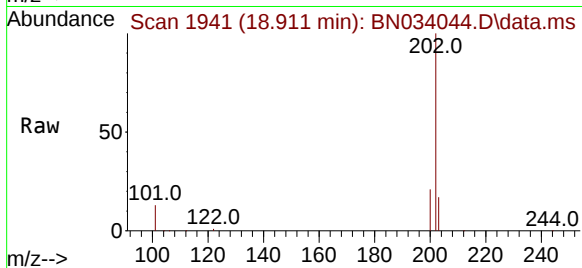
Tgt Ion:202 Resp: 319835

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

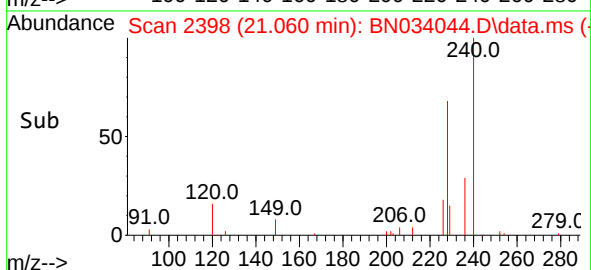
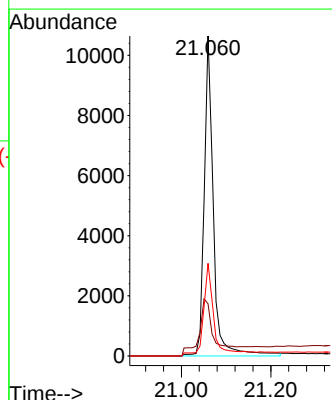
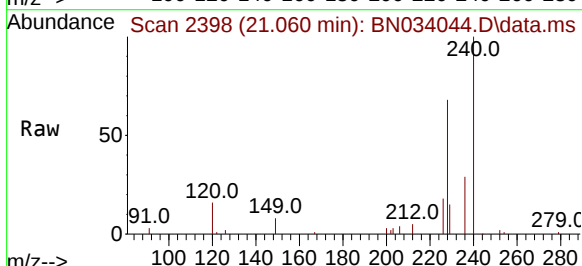
Tgt Ion:240 Resp: 14604

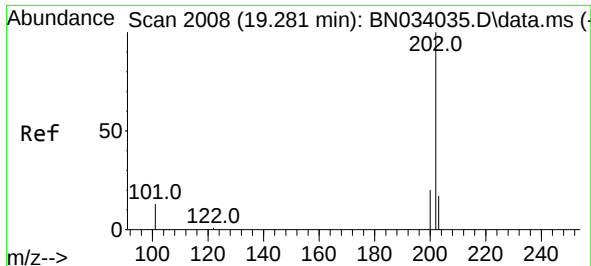
Ion Ratio Lower Upper

240 100

120 16.3 13.5 20.3

236 28.9 23.4 35.0

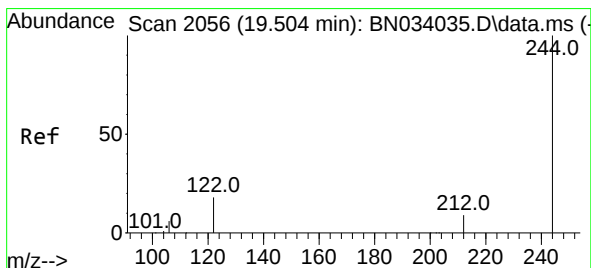
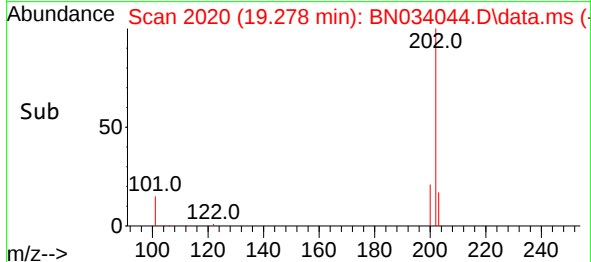
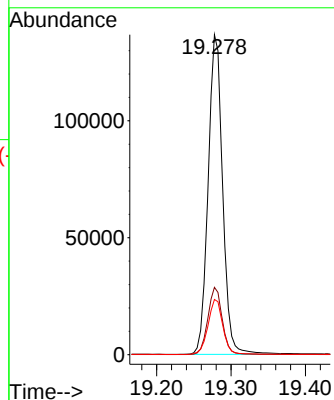
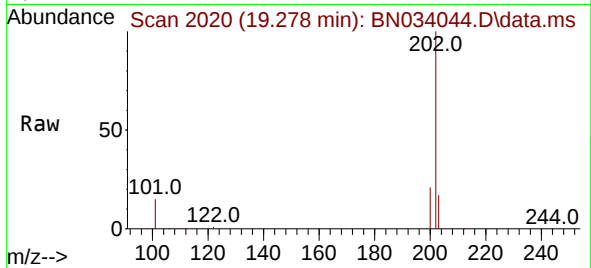




#30
Pyrene
Concen: 3.002 ng
RT: 19.278 min Scan# 2008
Delta R.T. -0.004 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

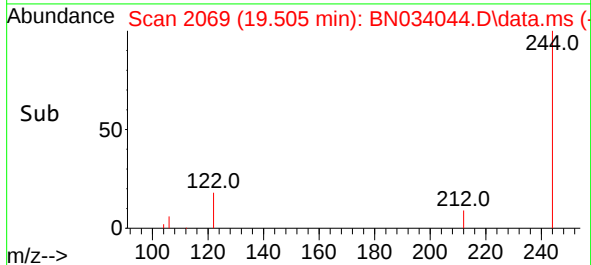
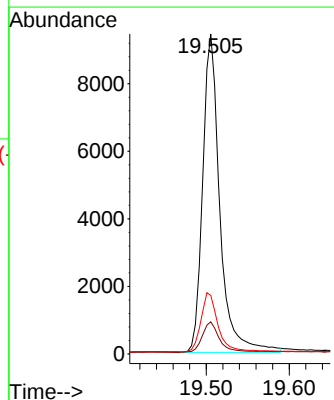
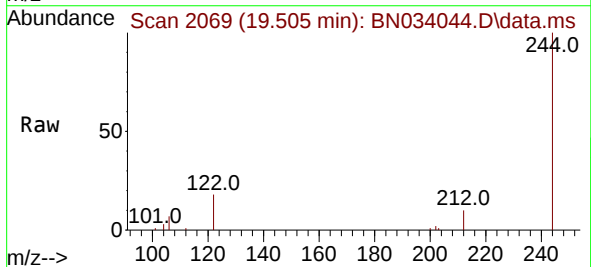
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

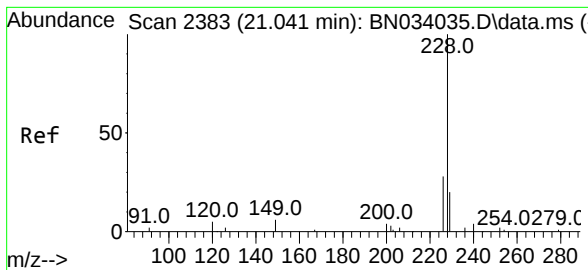
Tgt Ion:202 Resp: 185072
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.6 14.3 21.5



#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

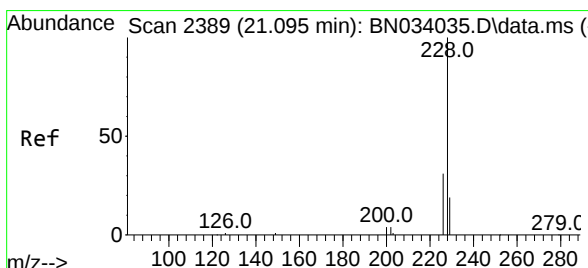
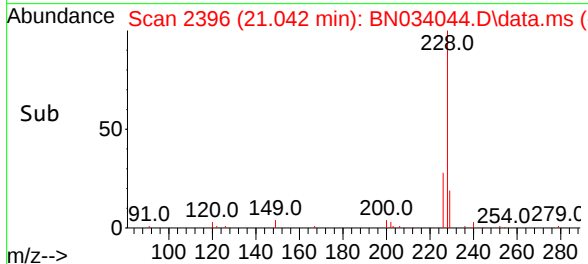
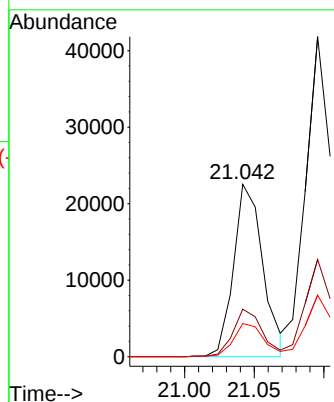
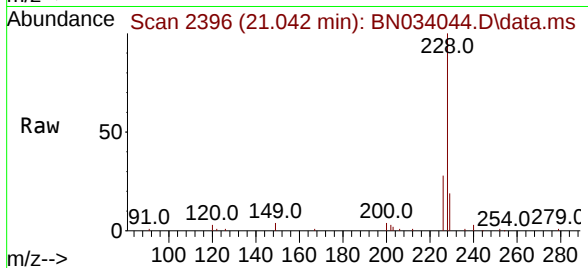




#32
Benzo(a)anthracene
Concen: 0.639 ng
RT: 21.042 min Scan# 2100
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

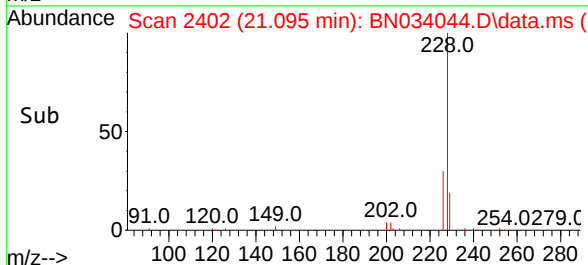
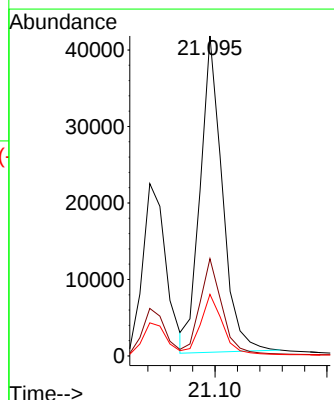
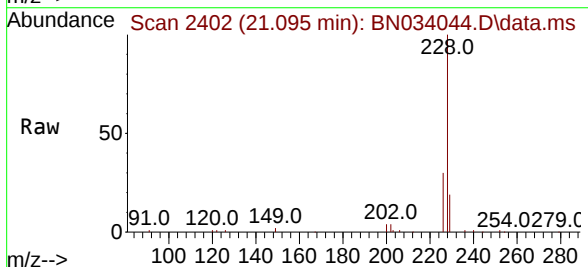
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

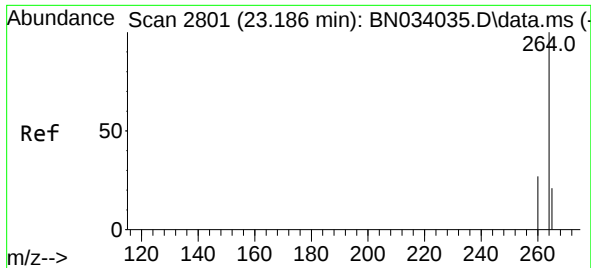
Tgt Ion:228 Resp: 29542
Ion Ratio Lower Upper
228 100
226 27.6 22.3 33.5
229 19.2 15.7 23.5



#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

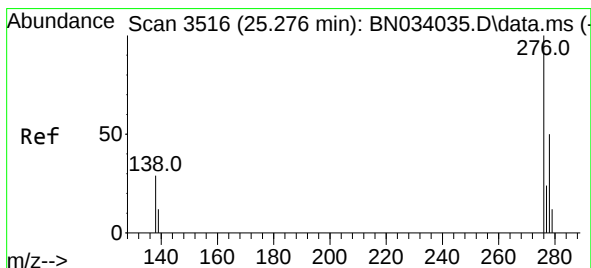
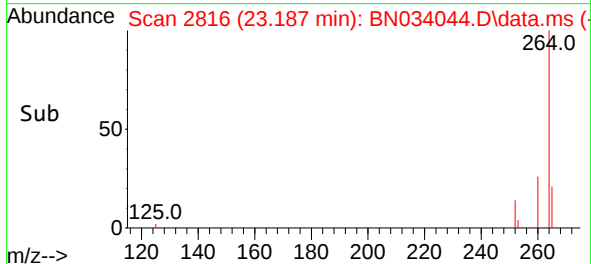
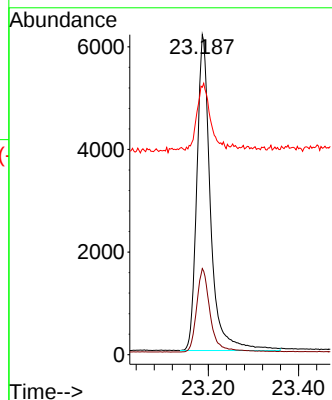
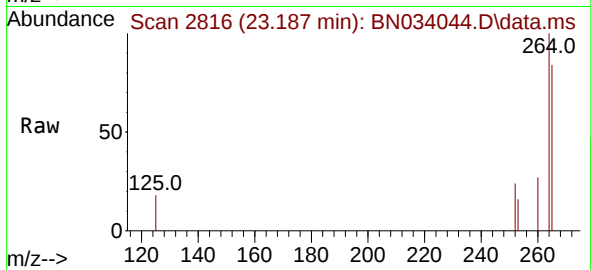




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.187 min Scan# 21
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

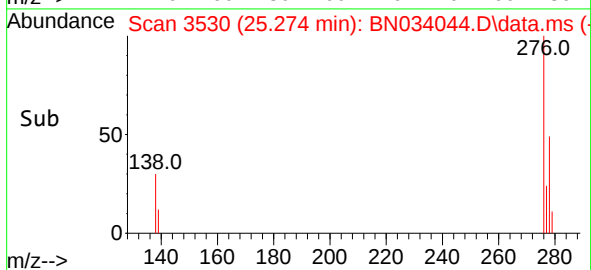
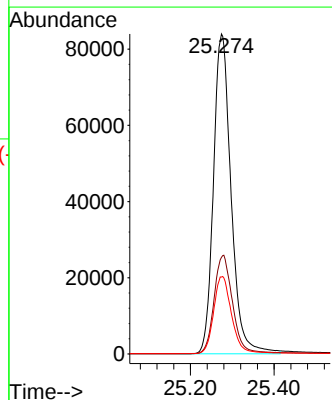
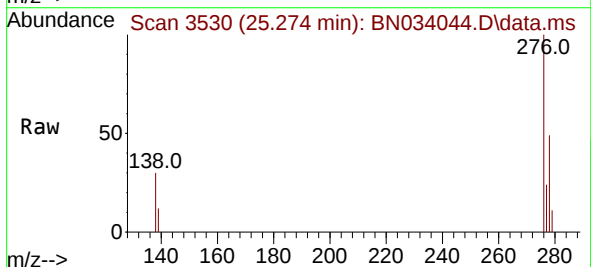
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

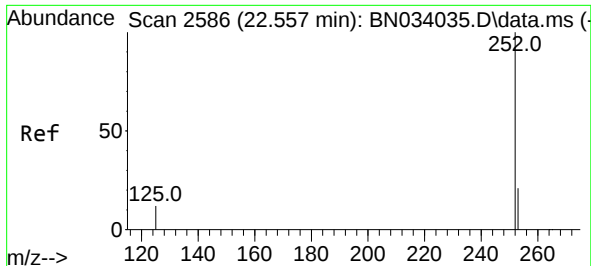
Tgt Ion:264 Resp: 12953
Ion Ratio Lower Upper
264 100
260 26.9 21.7 32.5
265 83.5 52.1 78.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 4.423 ng
RT: 25.274 min Scan# 3530
Delta R.T. -0.002 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

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

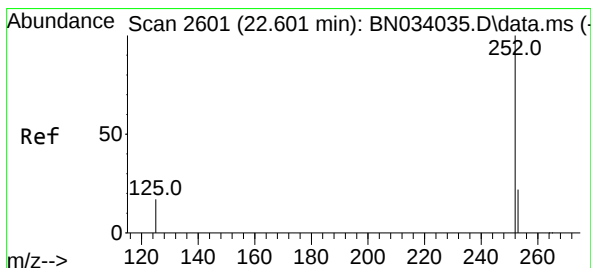
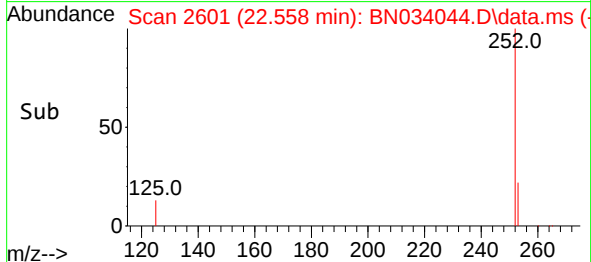
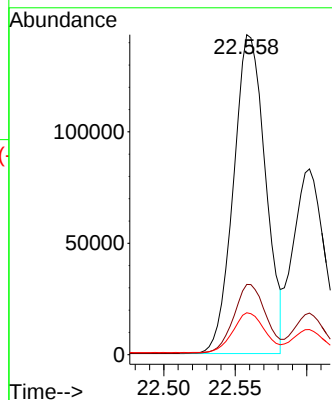
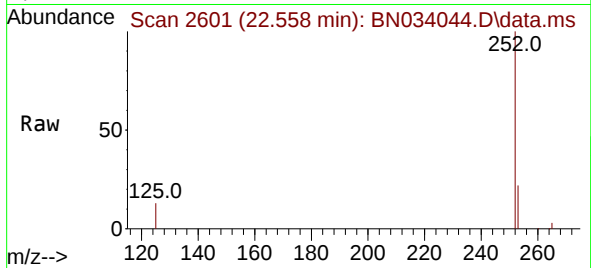




#37
Benzo(b)fluoranthene
Concen: 4.383 ng
RT: 22.558 min Scan# 2616
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

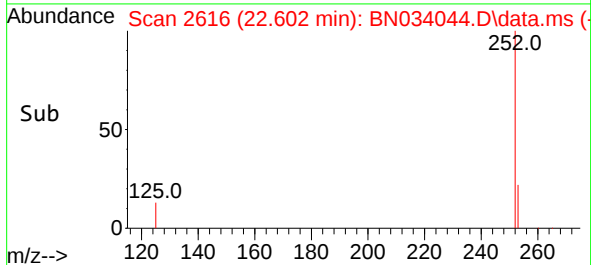
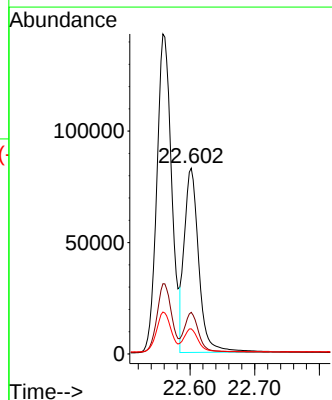
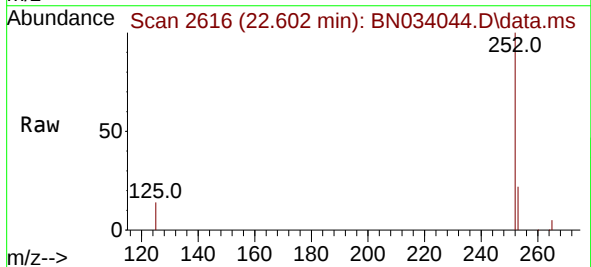
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

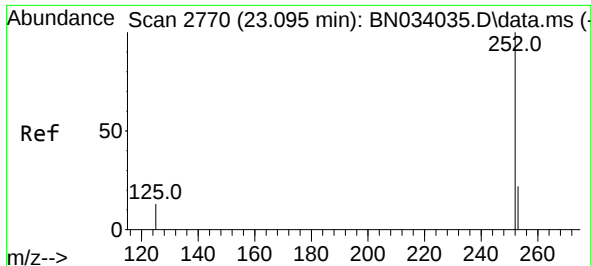
Tgt Ion:252 Resp: 222419
Ion Ratio Lower Upper
252 100
253 22.0 19.6 29.4
125 13.1 13.8 20.8#



#38
Benzo(k)fluoranthene
Concen: 2.400 ng
RT: 22.602 min Scan# 2616
Delta R.T. 0.001 min
Lab File: BN034044.D
Acq: 18 Sep 2024 20:26

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# 21

Delta R.T. 0.001 min

Lab File: BN034044.D

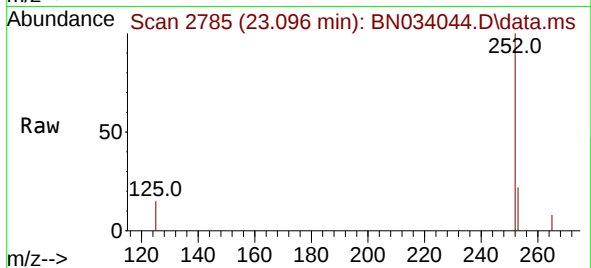
Acq: 18 Sep 2024 20:26

Instrument :

BNA_N

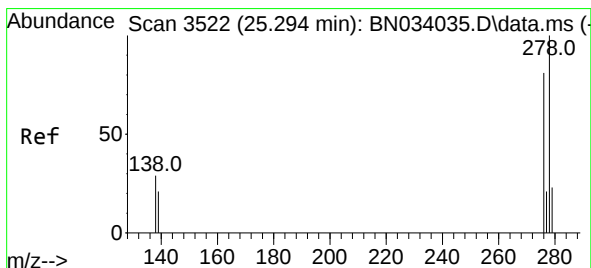
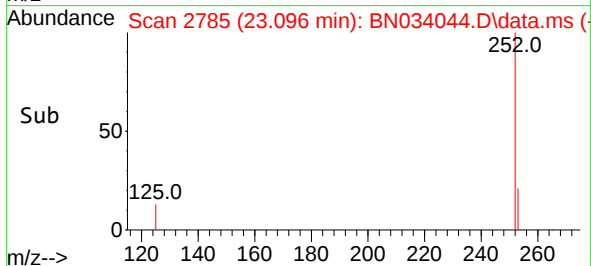
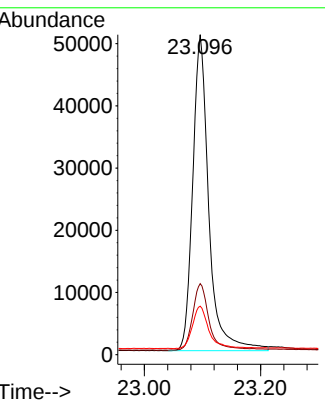
ClientSampleId :

RR-PAH-WP



Tgt Ion:252 Resp: 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# 3536

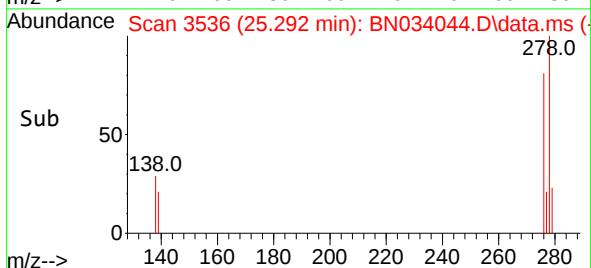
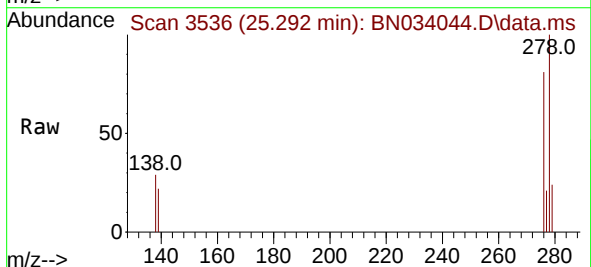
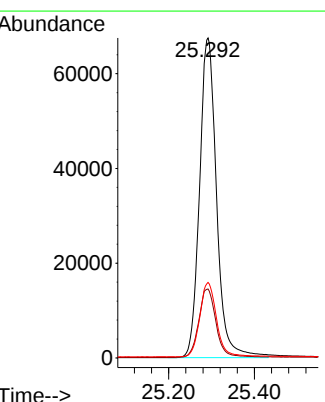
Delta R.T. -0.002 min

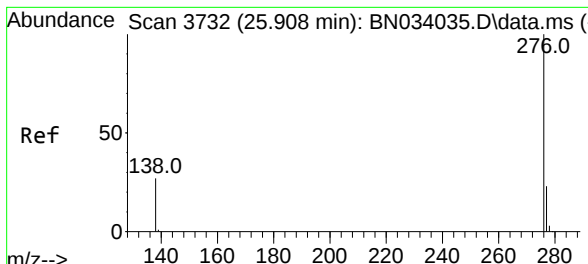
Lab File: BN034044.D

Acq: 18 Sep 2024 20:26

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# 31
 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:	276	Resp:	61695
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.3	28.9
138	28.2	22.6	34.0

