

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
 Data File : BN035823.D
 Acq On : 24 Dec 2024 16:06
 Operator : RC/JU
 Sample : P5376-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW10-MW01D-20241218

Quant Time: Dec 24 23:19:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 23:06:19 2024
 Response via : Initial Calibration

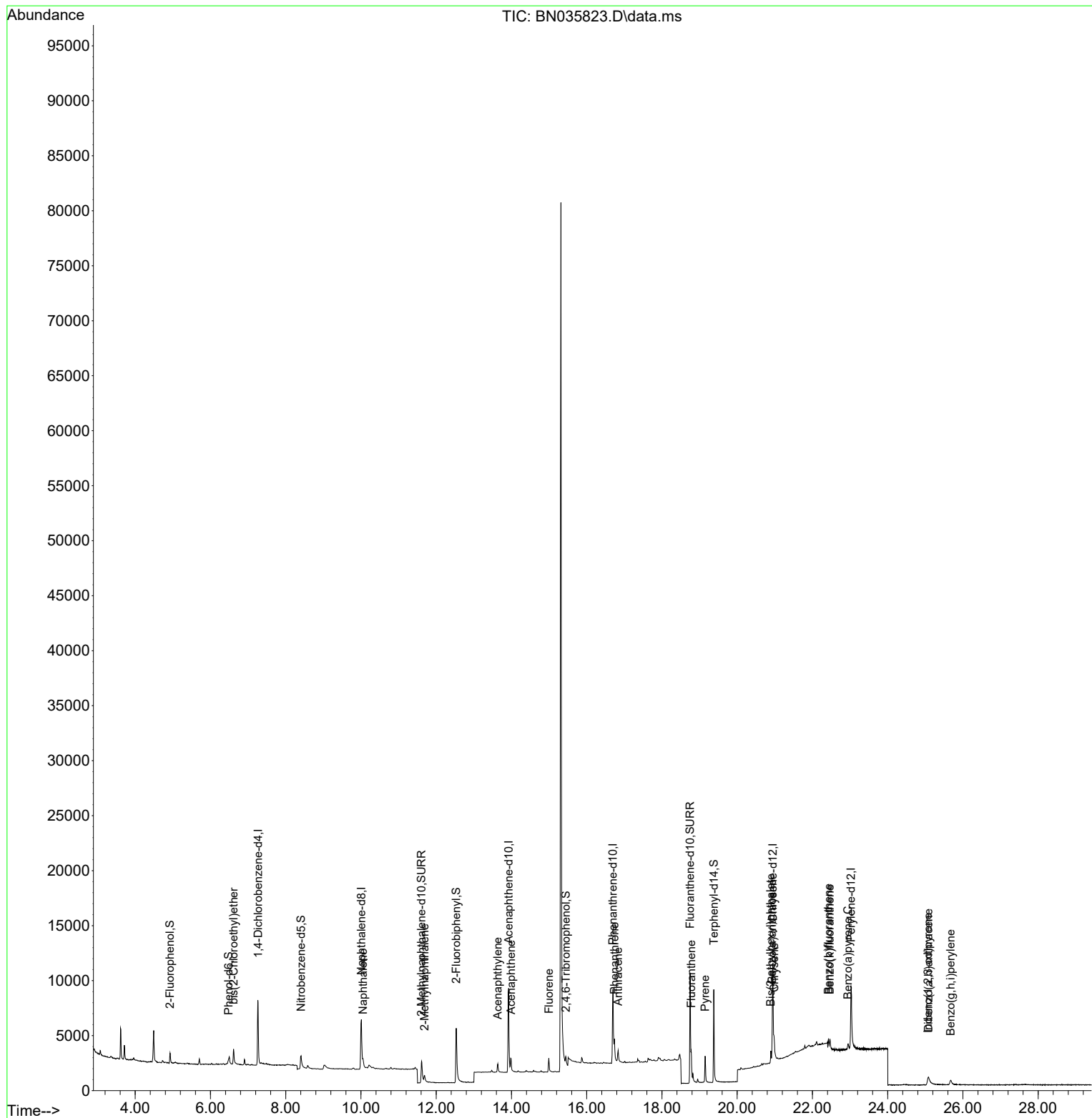
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.264	152	3352	0.400	ng	0.00
7) Naphthalene-d8	10.009	136	8445	0.400	ng	#-0.01
13) Acenaphthene-d10	13.925	164	5463	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	11816	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	9968	0.400	ng	# 0.00
35) Perylene-d12	23.026	264	9568	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	842	0.100	ng	-0.01
5) Phenol-d6	6.477	99	482	0.048	ng	-0.01
8) Nitrobenzene-d5	8.408	82	2253	0.437	ng	0.00
11) 2-Methylnaphthalene-d10	11.611	152	4421	0.335	ng	-0.01
14) 2,4,6-Tribromophenol	15.443	330	799	0.206	ng	-0.01
15) 2-Fluorobiphenyl	12.534	172	6936	0.336	ng	-0.01
27) Fluoranthene-d10	18.747	212	13295	0.397	ng	-0.01
31) Terphenyl-d14	19.379	244	9869	0.502	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	6.614	93	2739	0.323	ng	# 31
9) Naphthalene	10.052	128	964	0.043	ng	# 77
12) 2-Methylnaphthalene	11.692	142	597	0.037	ng	# 76
16) Acenaphthylene	13.636	152	1063	0.046	ng	# 93
17) Acenaphthene	13.989	154	693	0.045	ng	99
18) Fluorene	14.994	166	956	0.044	ng	96
25) Phenanthrene	16.736	178	2183	0.067	ng	98
26) Anthracene	16.835	178	1383	0.047	ng	98
28) Fluoranthene	18.780	202	2251	0.051	ng	# 96
30) Pyrene	19.147	202	2504	0.068	ng	98
32) Benzo(a)anthracene	20.929	228	1508	0.043	ng	# 91
33) Chrysene	20.983	228	2026	0.056	ng	# 93
34) Bis(2-ethylhexyl)phtha...	20.893	149	1059	0.077	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.073	276	1384	0.037	ng	# 82
37) Benzo(b)fluoranthene	22.424	252	1754	0.050	ng	# 28
38) Benzo(k)fluoranthene	22.465	252	1557	0.045	ng	# 29
39) Benzo(a)pyrene	22.945	252	959	0.033	ng	# 1
40) Dibenzo(a,h)anthracene	25.085	278	1067	0.036	ng	# 11
41) Benzo(g,h,i)perylene	25.675	276	1130	0.037	ng	# 64

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

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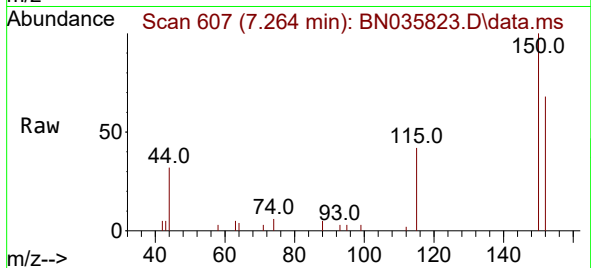
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
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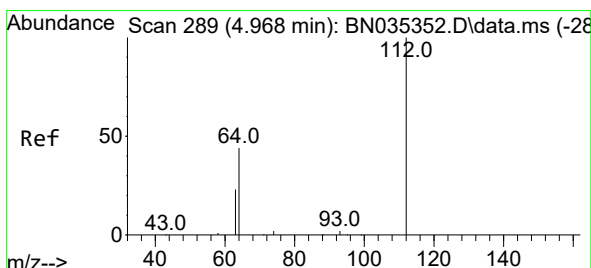
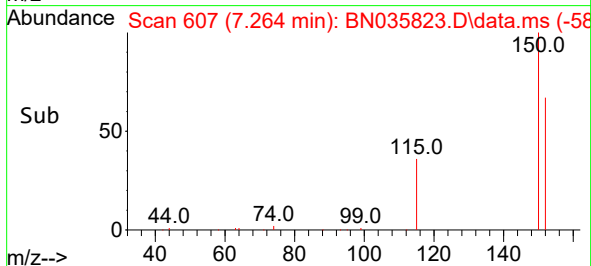
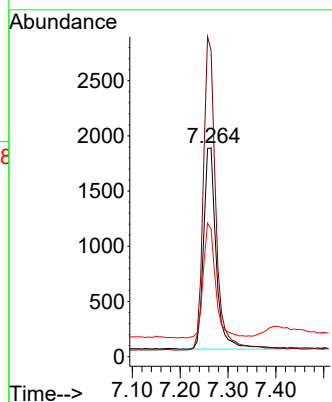


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.264 min Scan# 613
Delta R.T. -0.008 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

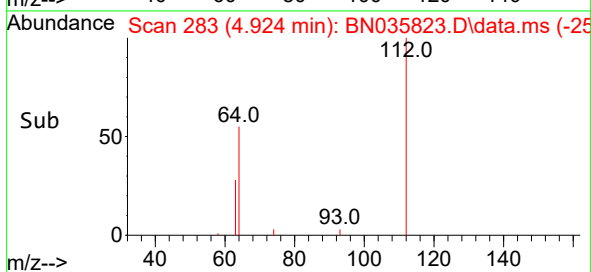
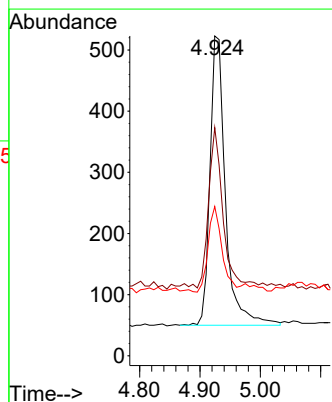
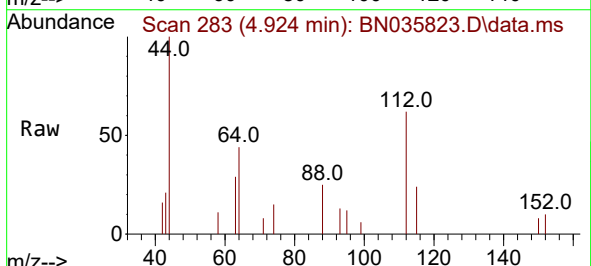


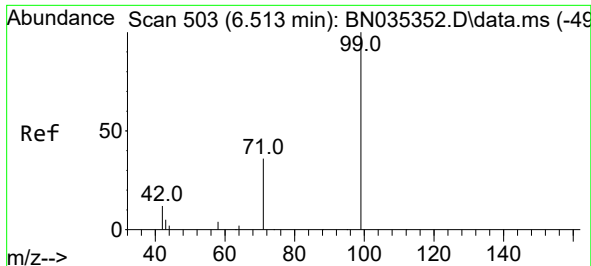
Tgt Ion:152 Resp: 3352
Ion Ratio Lower Upper
152 100
150 146.7 124.0 186.0
115 61.2 49.6 74.4



#4
2-Fluorophenol
Concen: 0.100 ng
RT: 4.924 min Scan# 283
Delta R.T. -0.014 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

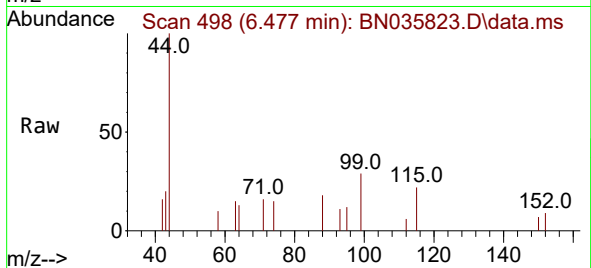
Tgt Ion:112 Resp: 842
Ion Ratio Lower Upper
112 100
64 52.5 39.8 59.8
63 27.2 21.0 31.6



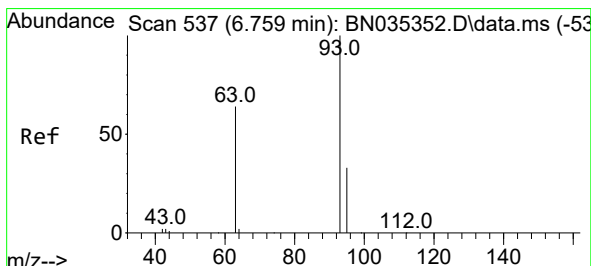
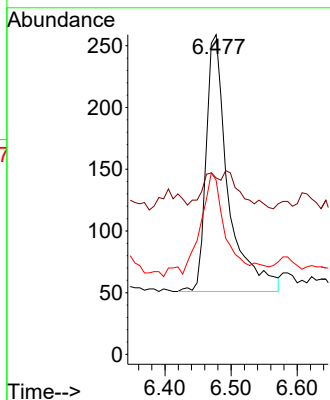
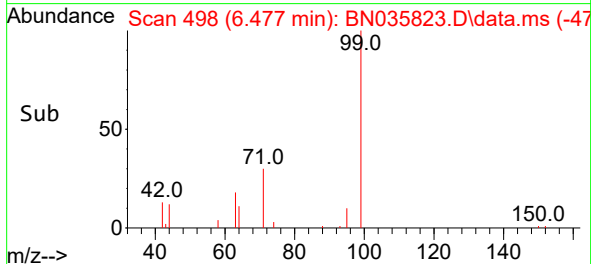


#5
Phenol-d6
Concen: 0.048 ng
RT: 6.477 min Scan# 498
Delta R.T. -0.014 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

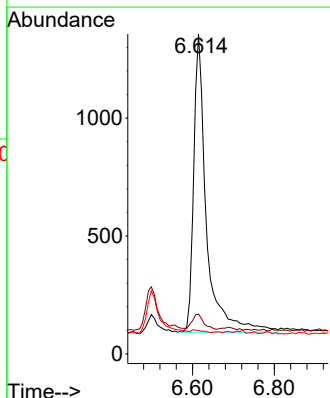
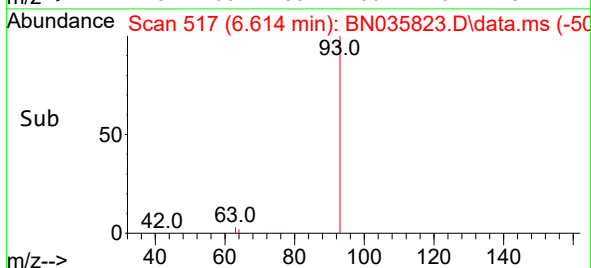
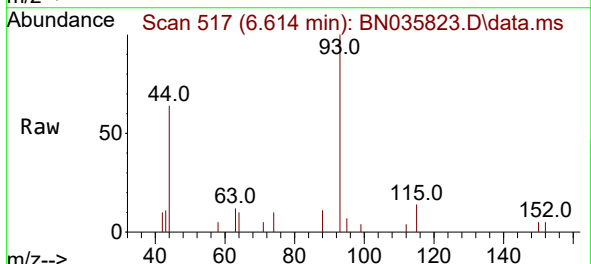


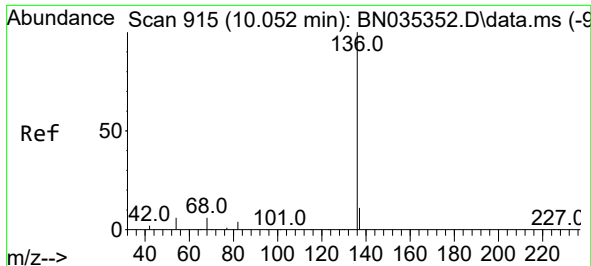
Tgt Ion: 99 Resp: 482
Ion Ratio Lower Upper
99 100
42 10.2 11.4 17.2#
71 41.9 29.3 43.9



#6
bis(2-Chloroethyl)ether
Concen: 0.323 ng
RT: 6.614 min Scan# 517
Delta R.T. -0.116 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion: 93 Resp: 2739
Ion Ratio Lower Upper
93 100
63 4.4 50.4 75.6#
95 0.7 25.7 38.5#

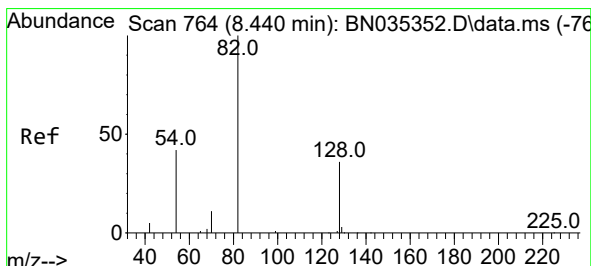
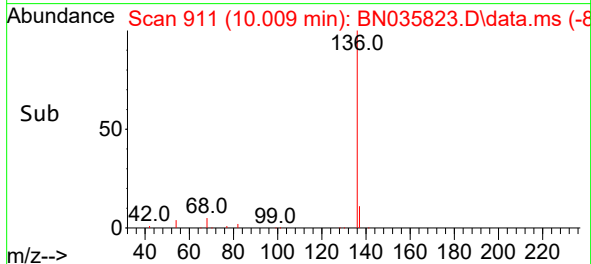
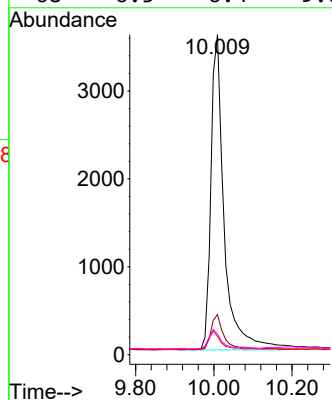
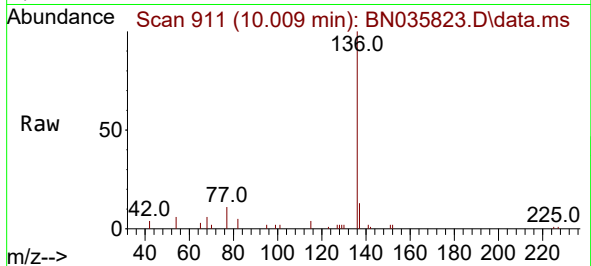




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

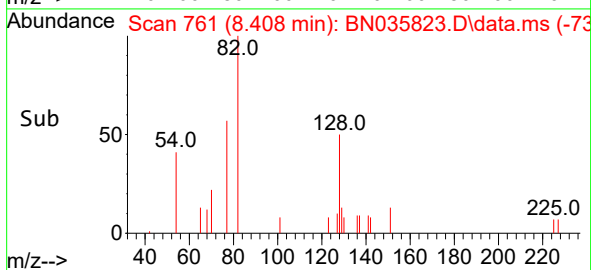
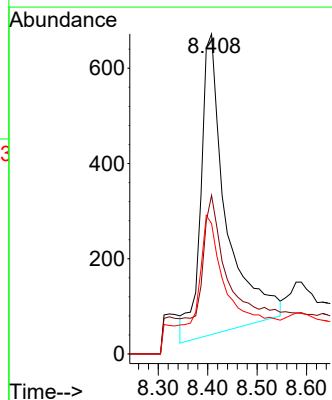
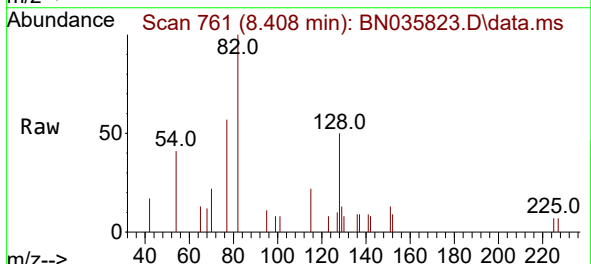
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

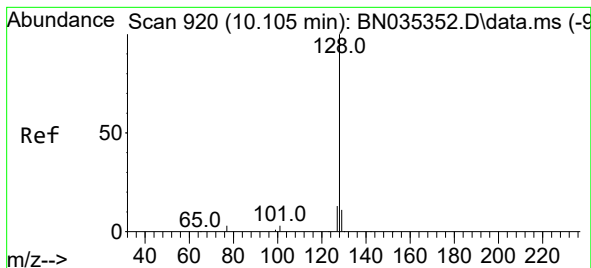
Tgt Ion:	136	Resp:	8445
Ion Ratio	Lower	Upper	
136	100		
137	12.5	10.2	15.2
54	5.7	6.1	9.1#
68	6.5	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.437 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:	82	Resp:	2253
Ion Ratio	Lower	Upper	
82	100		
128	49.6	33.4	50.0
54	40.8	36.7	55.1





#9

Naphthalene

Concen: 0.043 ng

RT: 10.052 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218

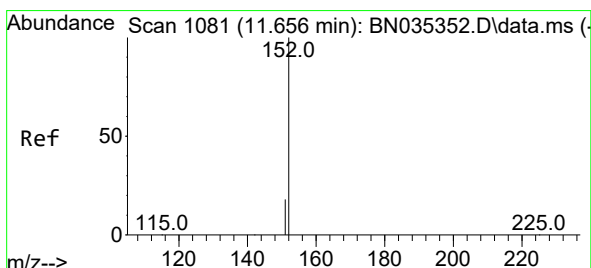
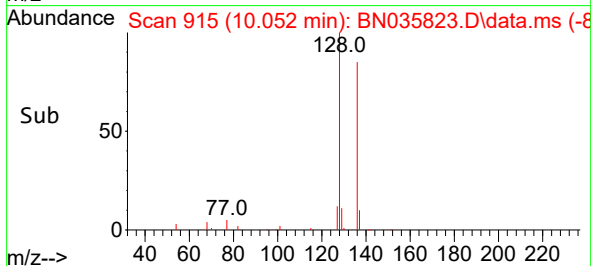
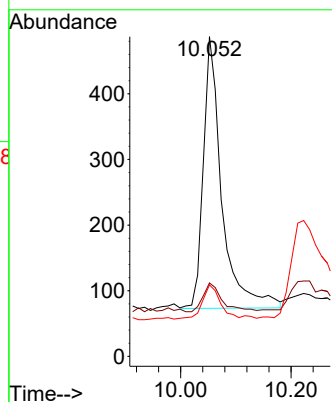
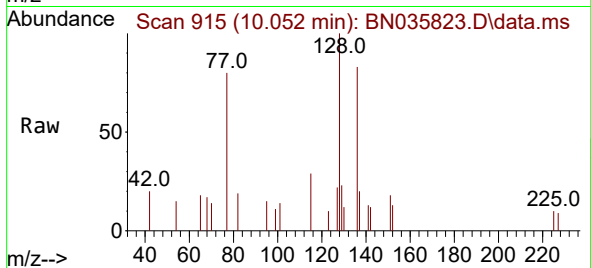
Tgt Ion:128 Resp: 964

Ion Ratio Lower Upper

128 100

129 23.0 9.8 14.6#

127 22.4 11.4 17.2#



#11

2-Methylnaphthalene-d10

Concen: 0.335 ng

RT: 11.611 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BN035823.D

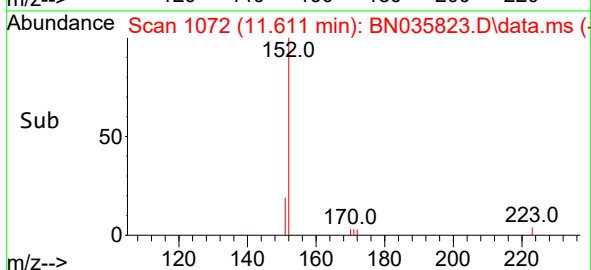
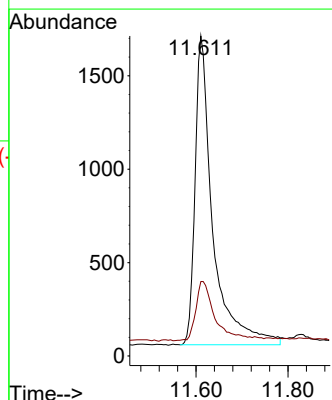
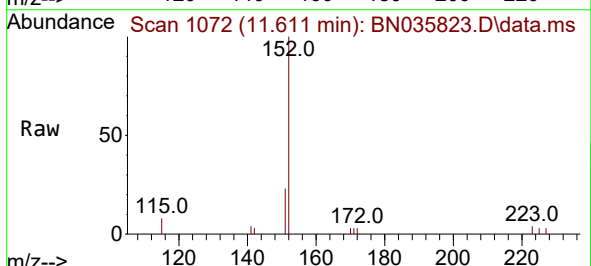
Acq: 24 Dec 2024 16:06

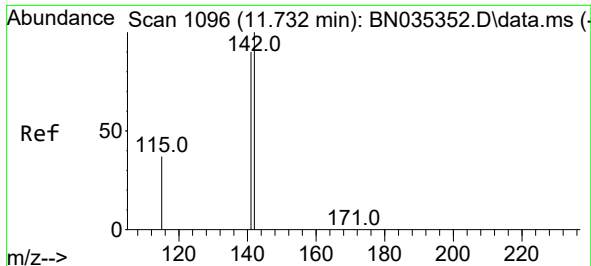
Tgt Ion:152 Resp: 4421

Ion Ratio Lower Upper

152 100

151 20.4 16.6 25.0

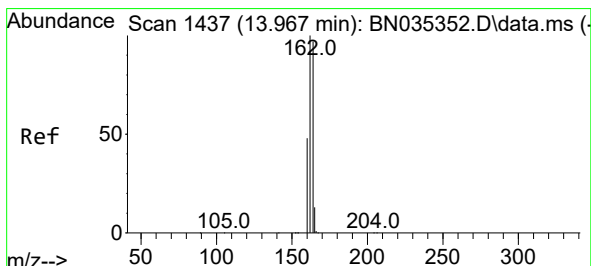
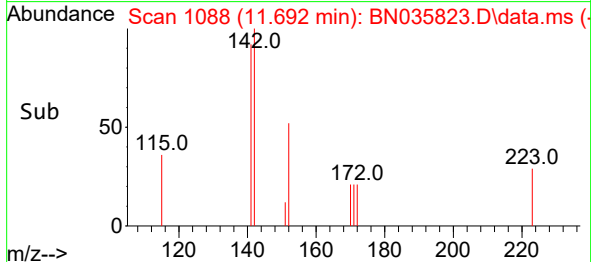
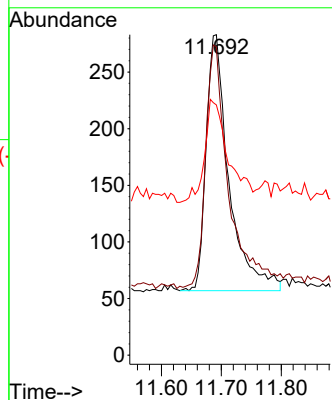
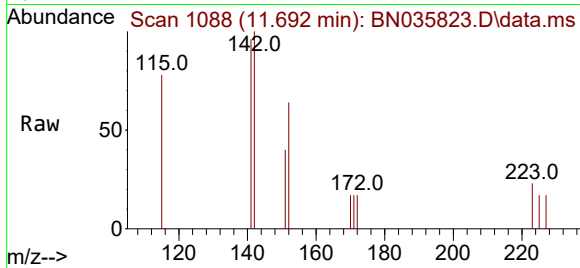




#12
2-Methylnaphthalene
Concen: 0.037 ng
RT: 11.692 min Scan# 1096
Delta R.T. -0.005 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

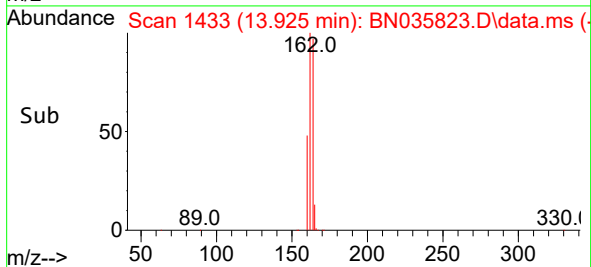
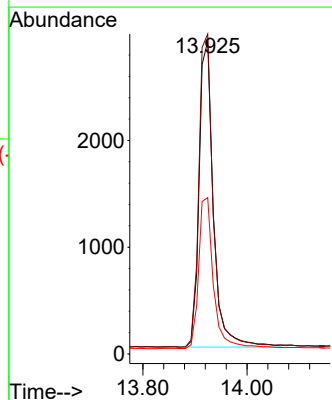
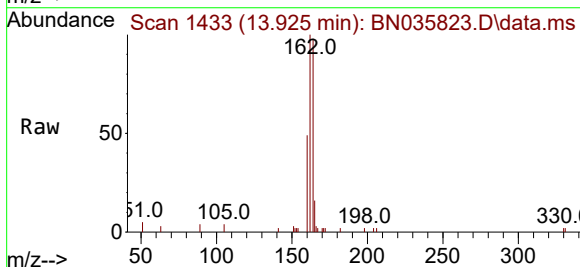
Instrument :
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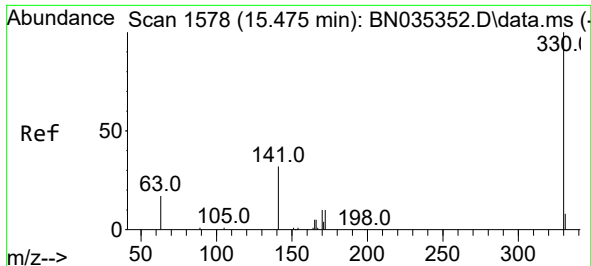
Tgt Ion:142 Resp: 597
Ion Ratio Lower Upper
142 100
141 96.1 72.2 108.4
115 78.1 31.4 47.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

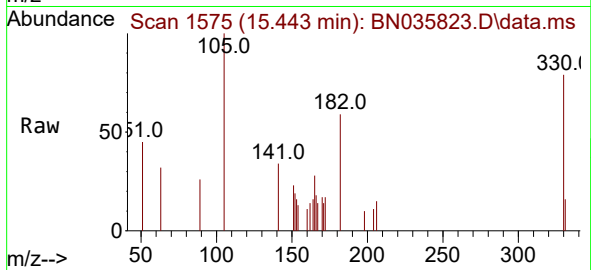
Tgt Ion:164 Resp: 5463
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 50.0 40.1 60.1



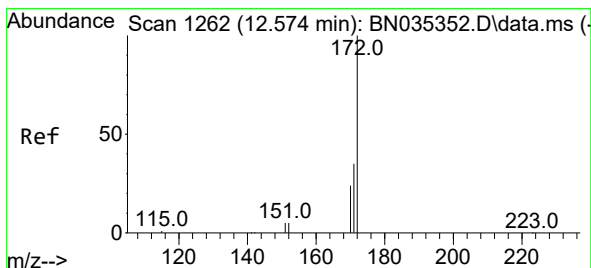
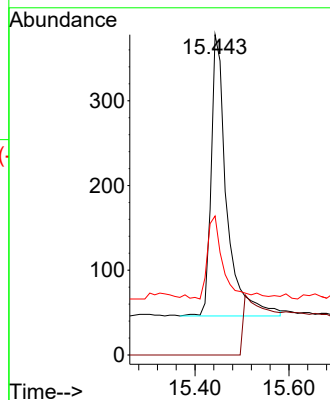
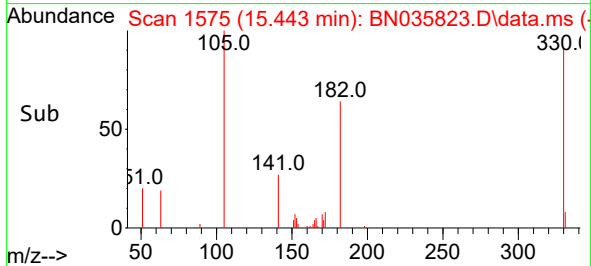


#14
2,4,6-Tribromophenol
Concen: 0.206 ng
RT: 15.443 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

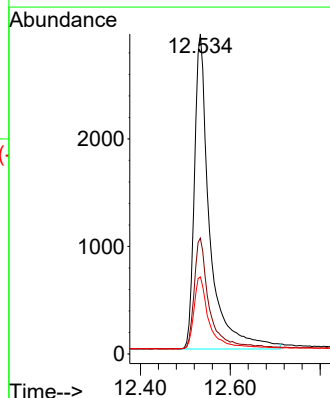
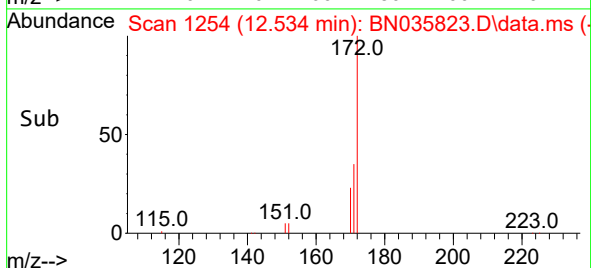
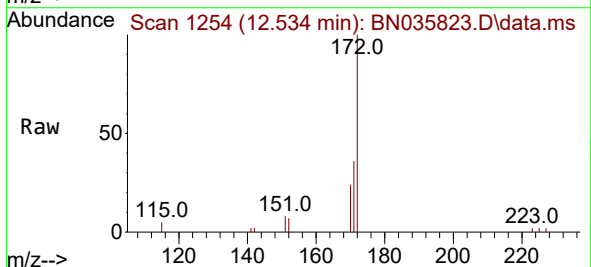


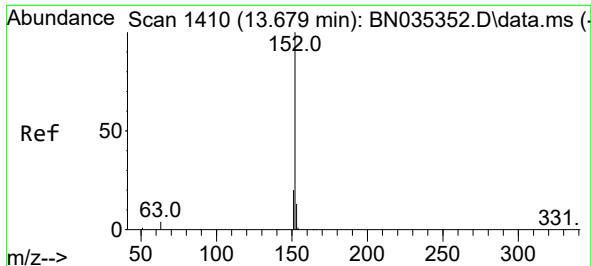
Tgt Ion:330 Resp: 799
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 28.9 26.6 40.0



#15
2-Fluorobiphenyl
Concen: 0.336 ng
RT: 12.534 min Scan# 1254
Delta R.T. -0.010 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:172 Resp: 6936
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.1 19.8 29.8

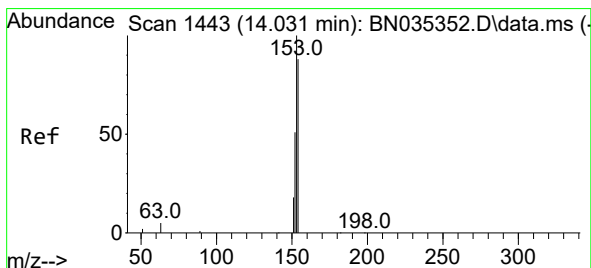
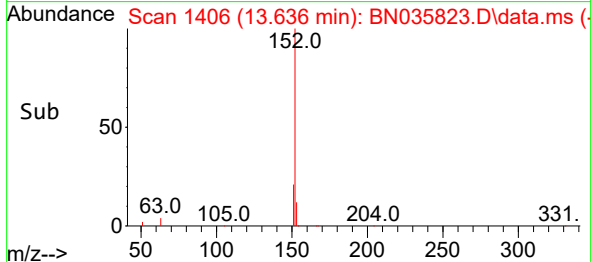
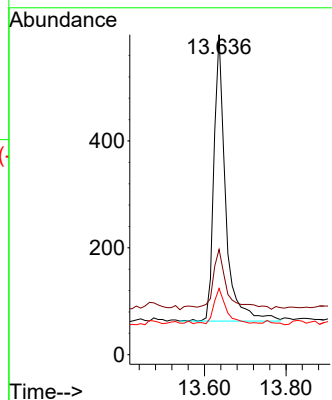
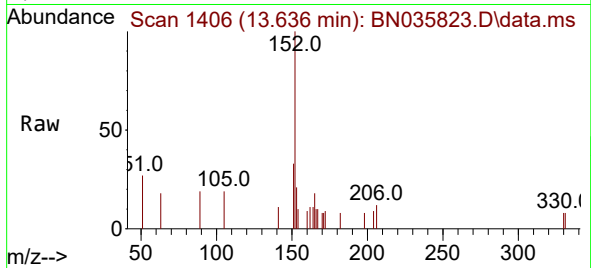




#16
Acenaphthylene
Concen: 0.046 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

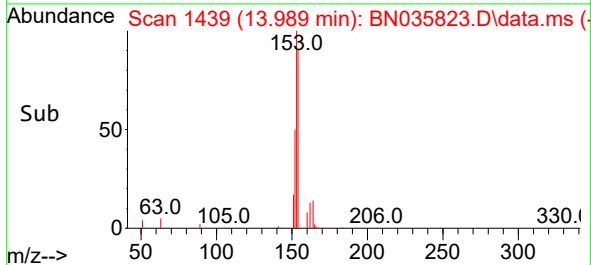
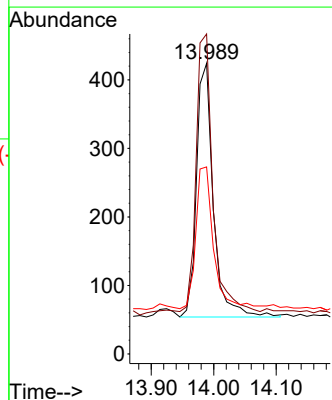
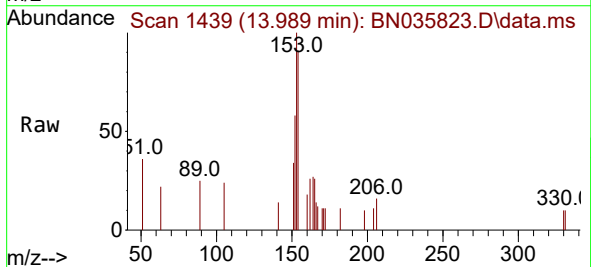
Instrument :
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RW10-MW01D-20241218

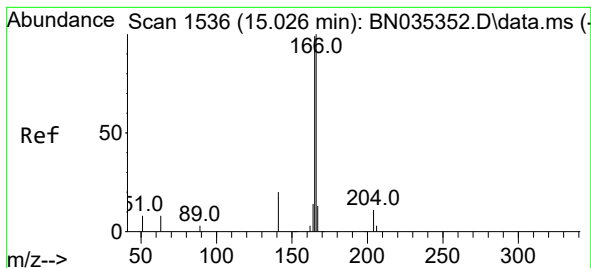
Tgt Ion:152 Resp: 1063
Ion Ratio Lower Upper
152 100
151 24.4 16.2 24.2#
153 14.4 10.4 15.6



#17
Acenaphthene
Concen: 0.045 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:154 Resp: 693
Ion Ratio Lower Upper
154 100
153 115.9 92.6 139.0
152 58.9 49.0 73.6





#18

Fluorene

Concen: 0.044 ng

RT: 14.994 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218

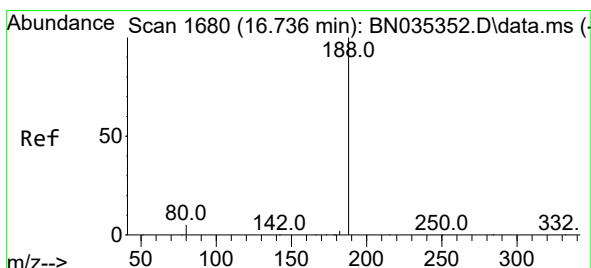
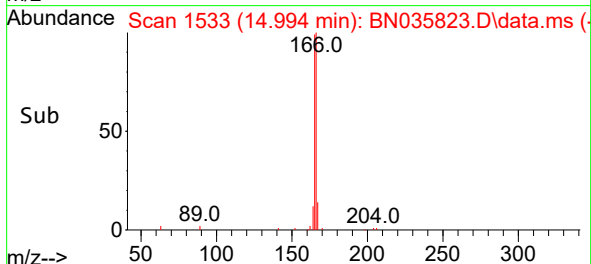
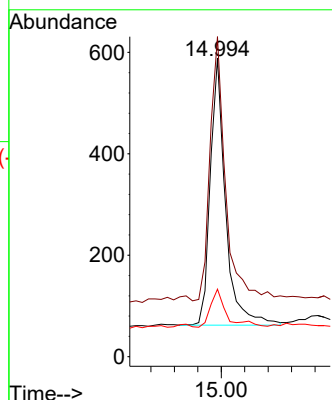
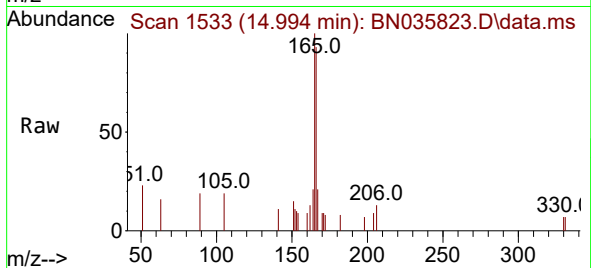
Tgt Ion:166 Resp: 956

Ion Ratio Lower Upper

166 100

165 103.7 79.7 119.5

167 14.9 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.698 min Scan# 1677

Delta R.T. -0.000 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

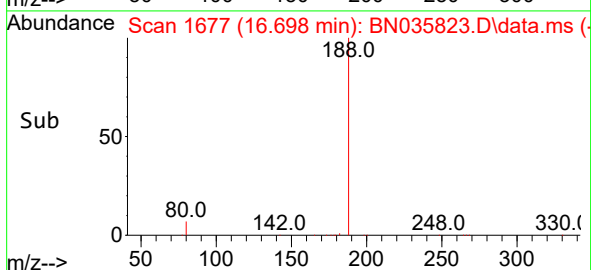
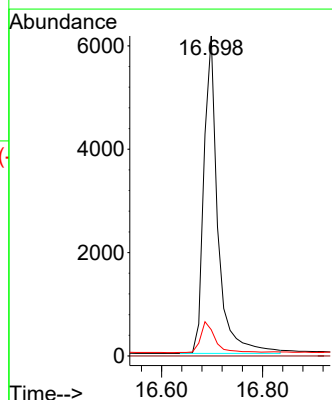
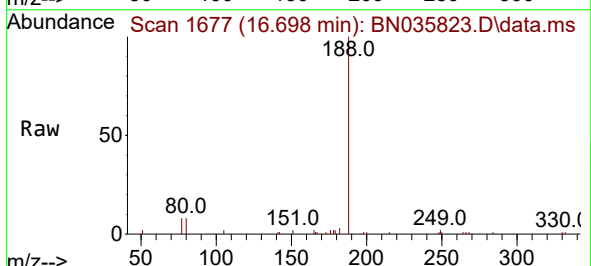
Tgt Ion:188 Resp: 11816

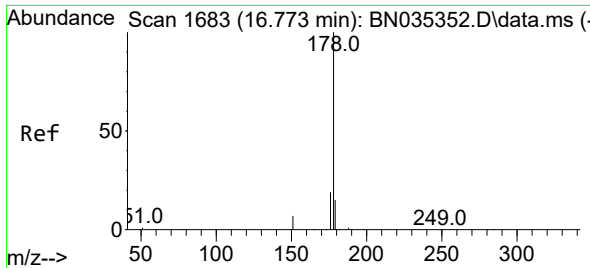
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.2 4.6 6.8#

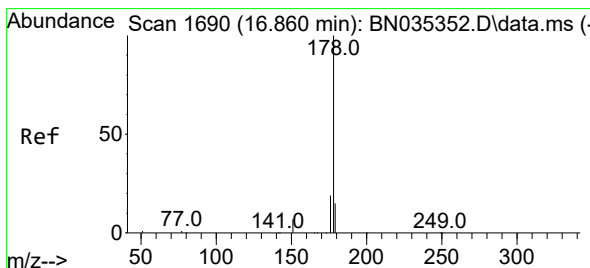
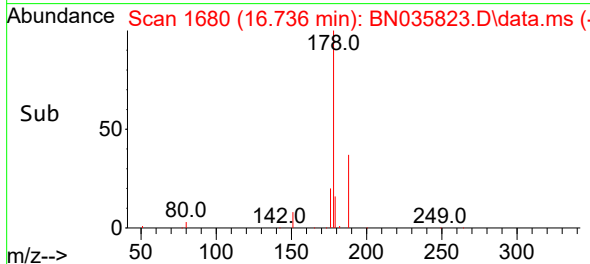
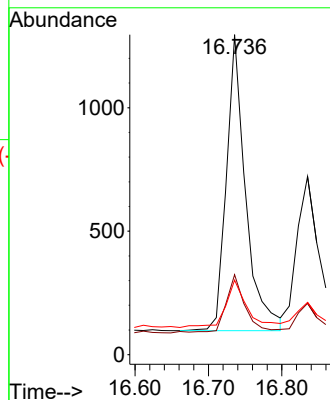
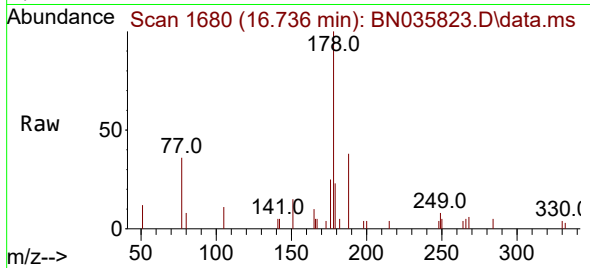




#25
Phenanthrene
Concen: 0.067 ng
RT: 16.736 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

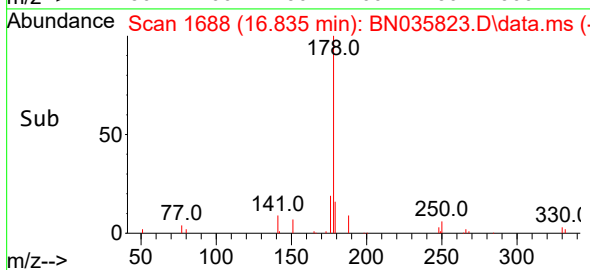
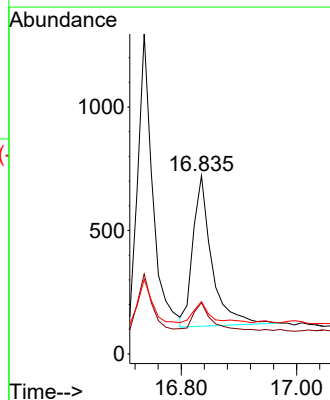
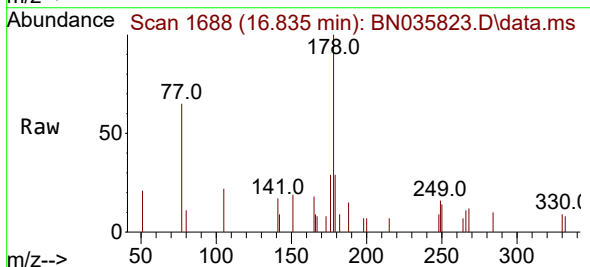
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

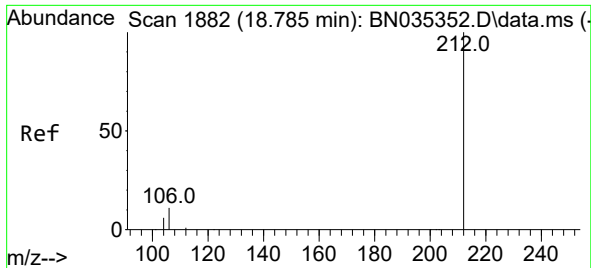
Tgt Ion:178 Resp: 2183
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.8 12.3 18.5



#26
Anthracene
Concen: 0.047 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:178 Resp: 1383
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 14.6 12.6 18.8

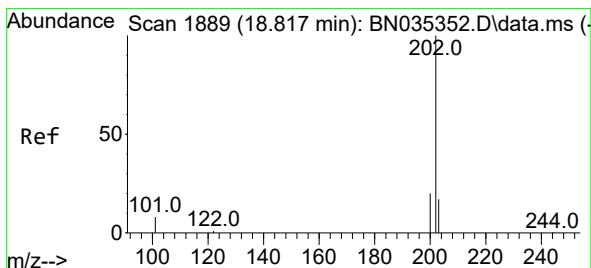
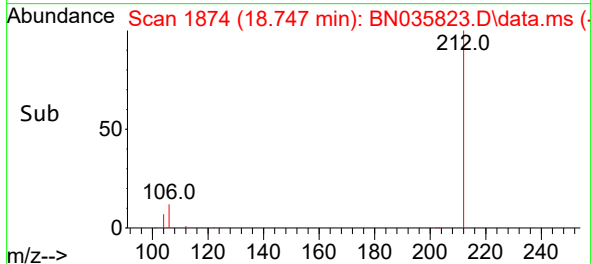
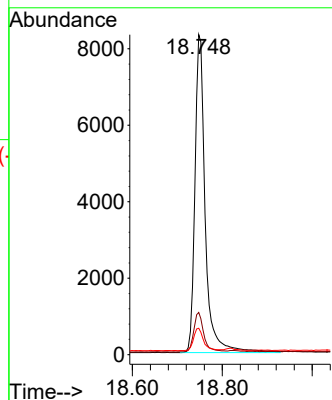
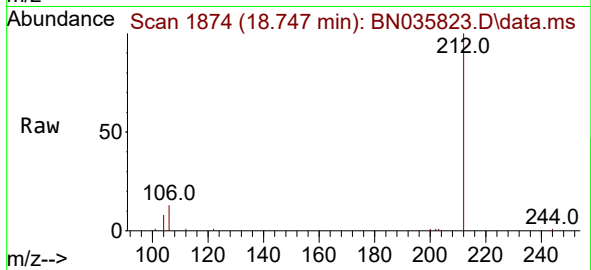




#27
Fluoranthene-d10
Concen: 0.397 ng
RT: 18.747 min Scan# 1874
Delta R.T. -0.014 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

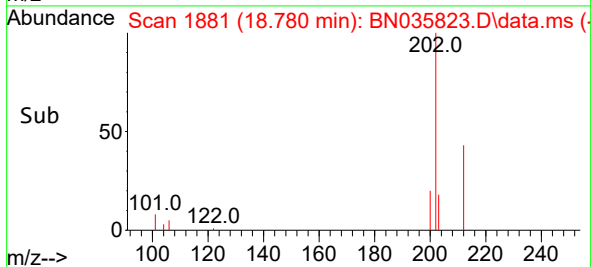
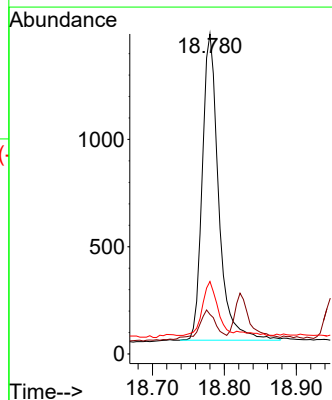
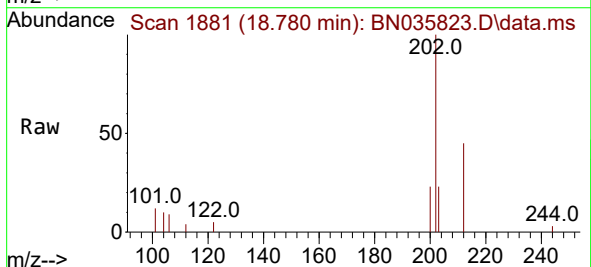
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

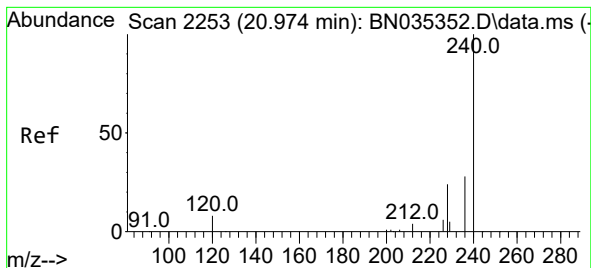
Tgt Ion:212 Resp: 13295
Ion Ratio Lower Upper
212 100
106 12.1 9.2 13.8
104 6.7 5.3 7.9



#28
Fluoranthene
Concen: 0.051 ng
RT: 18.780 min Scan# 1881
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:202 Resp: 2251
Ion Ratio Lower Upper
202 100
101 11.8 7.4 11.0#
203 16.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.947 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218

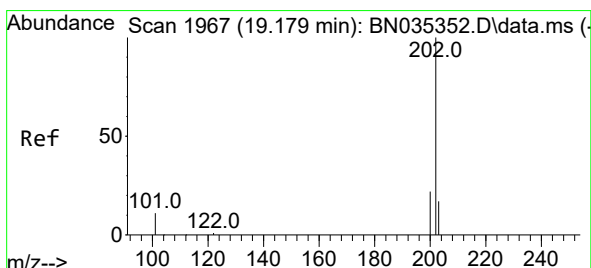
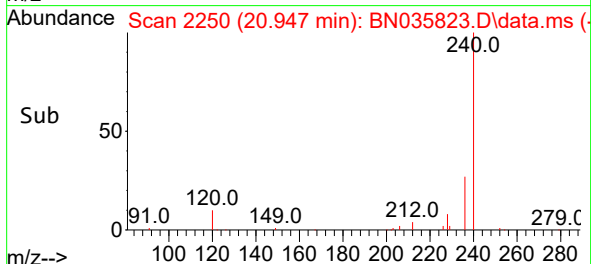
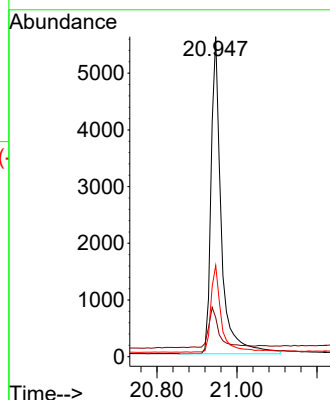
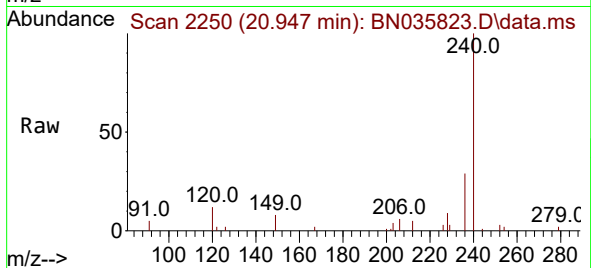
Tgt Ion:240 Resp: 9968

Ion Ratio Lower Upper

240 100

120 12.2 7.9 11.9#

236 28.5 22.9 34.3



#30

Pyrene

Concen: 0.068 ng

RT: 19.147 min Scan# 1960

Delta R.T. -0.014 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

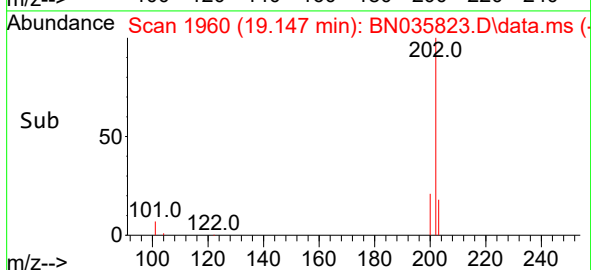
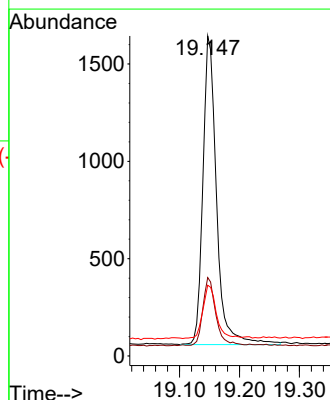
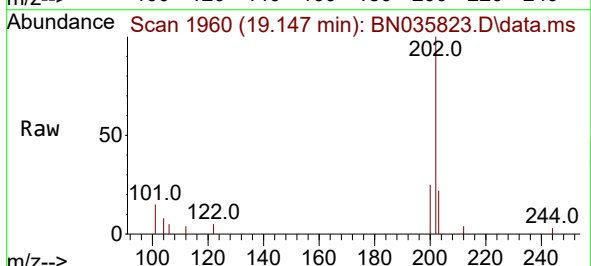
Tgt Ion:202 Resp: 2504

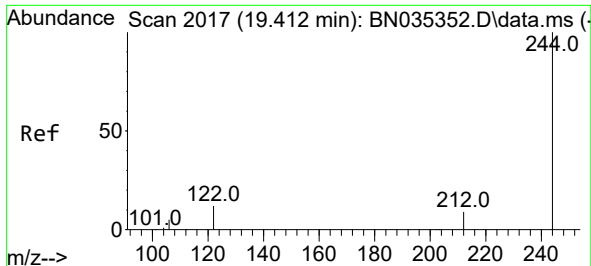
Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 17.0 14.3 21.5

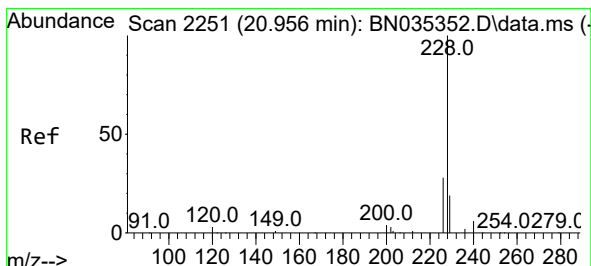
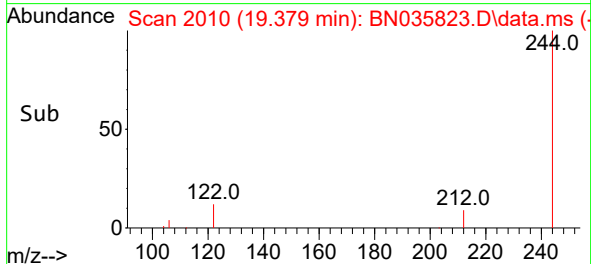
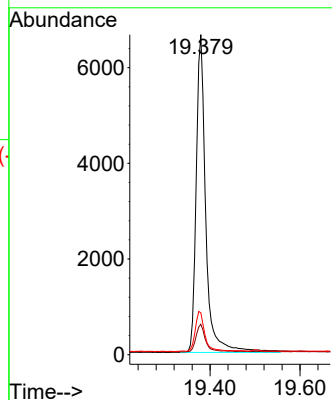
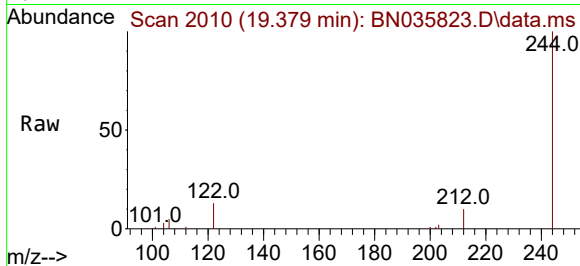




#31
Terphenyl-d14
Concen: 0.502 ng
RT: 19.379 min Scan# 2017
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

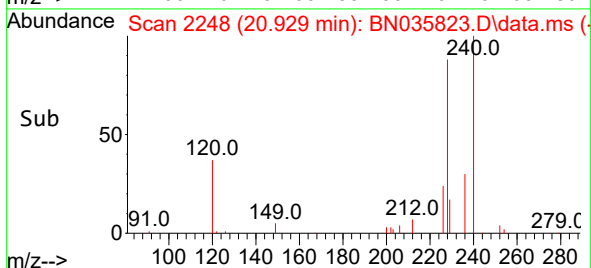
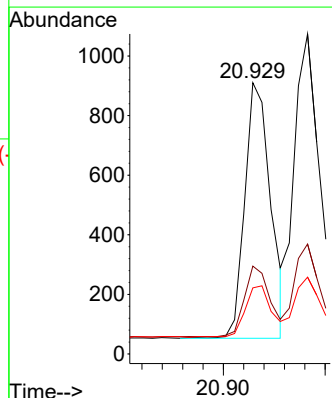
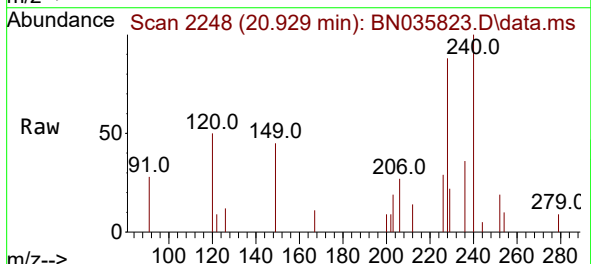
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

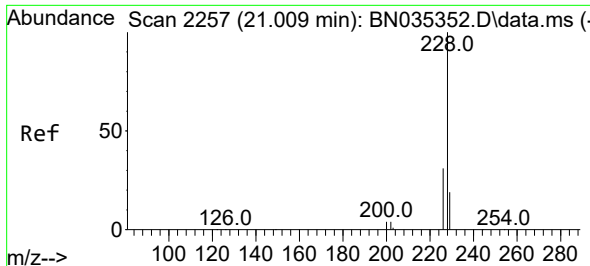
Tgt Ion:244 Resp: 9869
Ion Ratio Lower Upper
244 100
212 9.5 8.1 12.1
122 13.1 10.3 15.5



#32
Benzo(a)anthracene
Concen: 0.043 ng
RT: 20.929 min Scan# 2248
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:228 Resp: 1508
Ion Ratio Lower Upper
228 100
226 32.4 22.5 33.7
229 24.4 15.8 23.8#

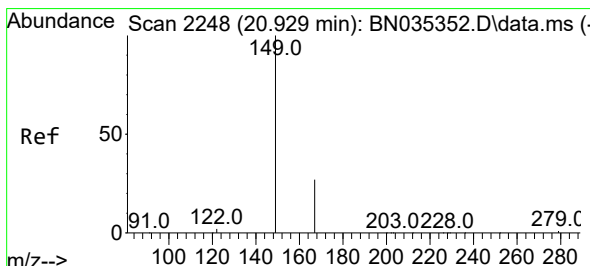
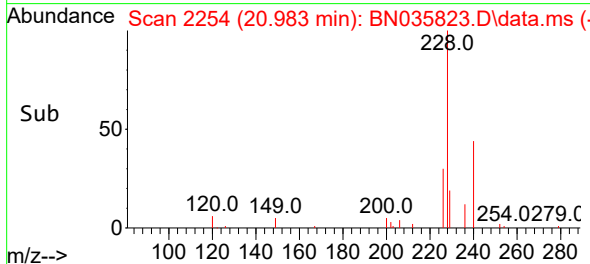
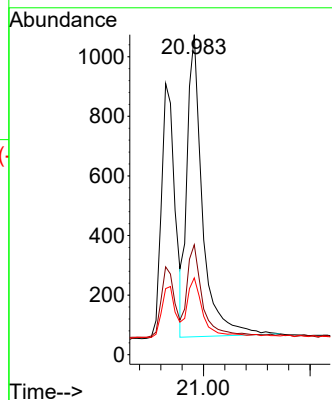
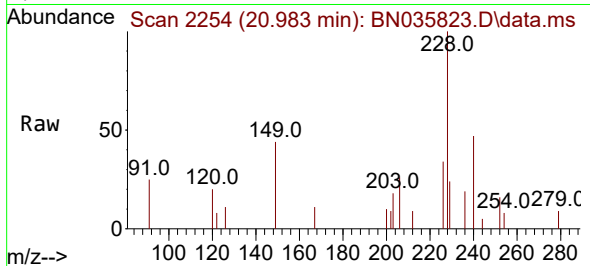




#33
Chrysene
Concen: 0.056 ng
RT: 20.983 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

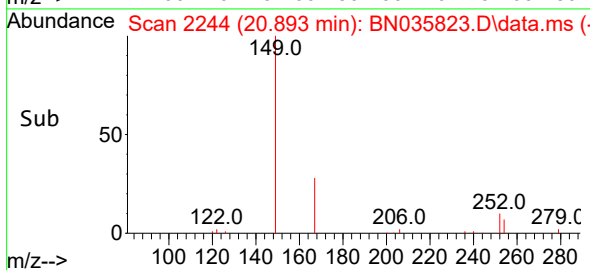
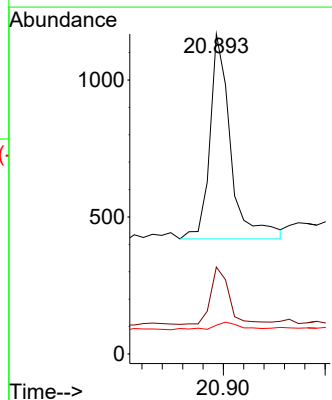
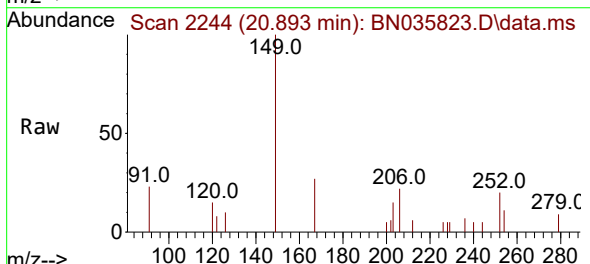
Instrument :
BNA_N
ClientSampleId :
RW10-MW01D-20241218

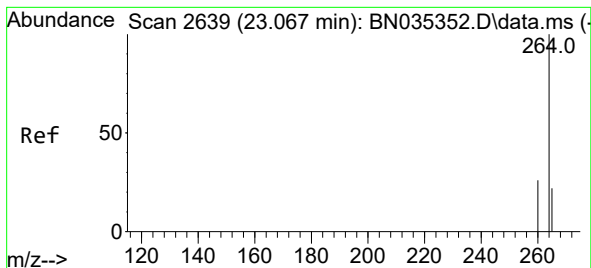
Tgt Ion:228 Resp: 2026
Ion Ratio Lower Upper
228 100
226 34.4 24.6 37.0
229 24.0 15.9 23.9#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.077 ng
RT: 20.893 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BN035823.D
Acq: 24 Dec 2024 16:06

Tgt Ion:149 Resp: 1059
Ion Ratio Lower Upper
149 100
167 24.9 22.2 33.4
279 5.1 2.7 4.1#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.026 min Scan# 2

Delta R.T. -0.015 min

Lab File: BN035823.D

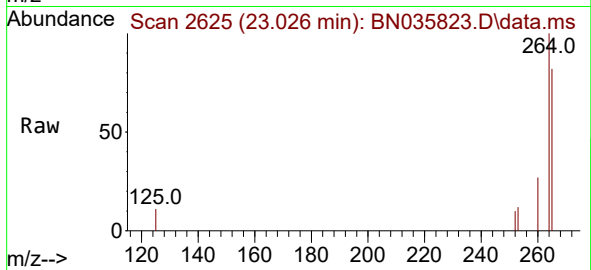
Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218



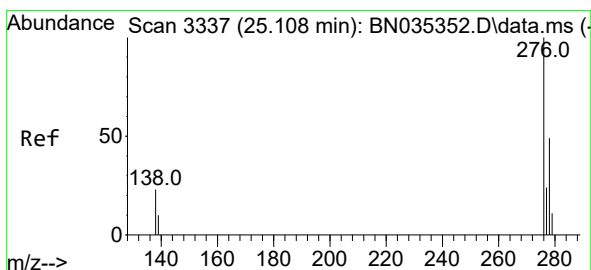
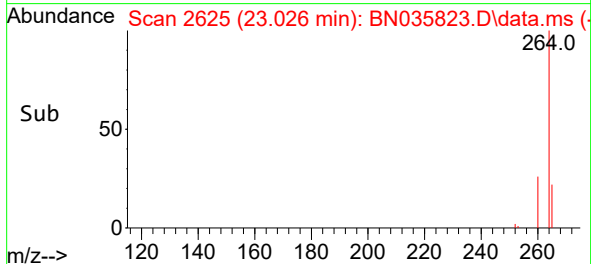
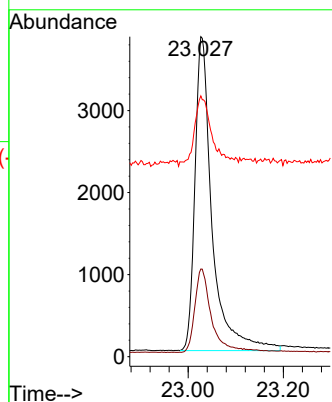
Tgt Ion:264 Resp: 9568

Ion Ratio Lower Upper

264 100

260 27.4 21.4 32.2

265 81.5 40.2 60.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.037 ng

RT: 25.073 min Scan# 3325

Delta R.T. 0.006 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

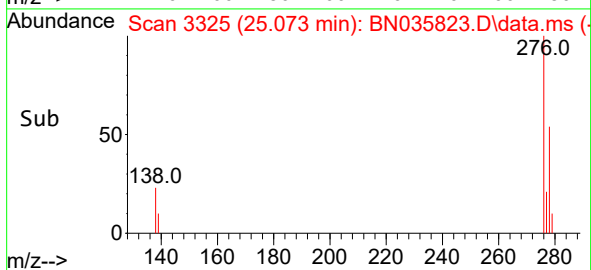
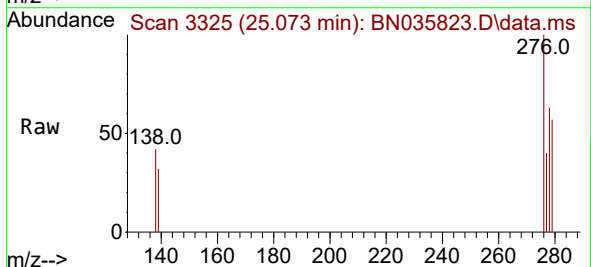
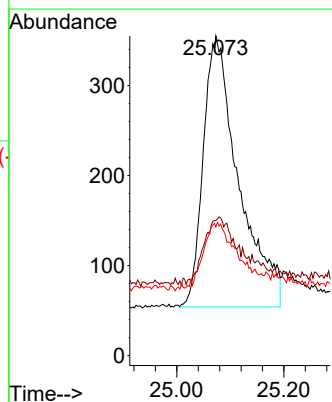
Tgt Ion:276 Resp: 1384

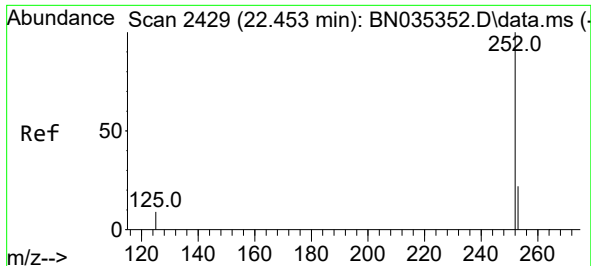
Ion Ratio Lower Upper

276 100

138 22.6 19.4 29.0

277 8.7 19.8 29.6#





#37

Benzo(b)fluoranthene

Concen: 0.050 ng

RT: 22.424 min Scan# 2419

Delta R.T. -0.006 min

Lab File: BN035823.D

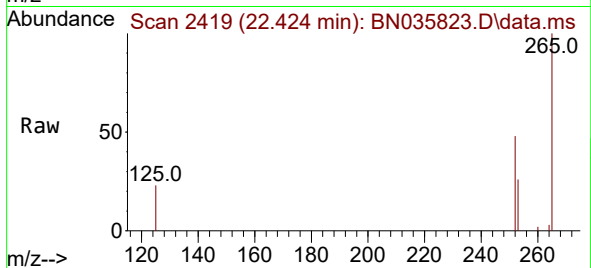
Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218



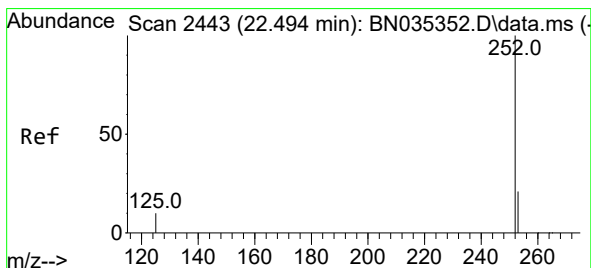
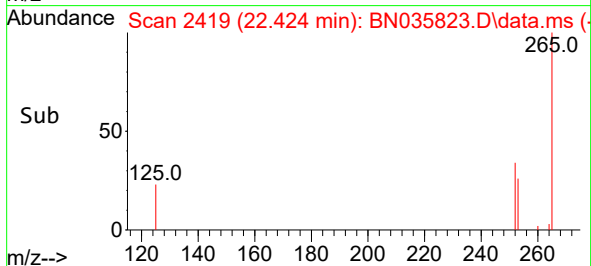
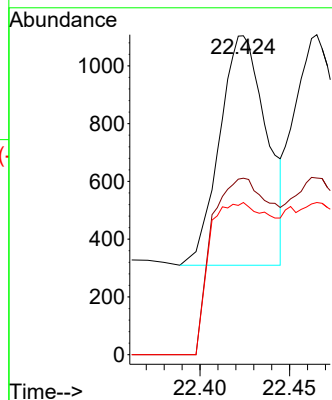
Tgt Ion:252 Resp: 1754

Ion Ratio Lower Upper

252 100

253 55.3 19.6 29.4#

125 47.7 9.6 14.4#



#38

Benzo(k)fluoranthene

Concen: 0.045 ng

RT: 22.465 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

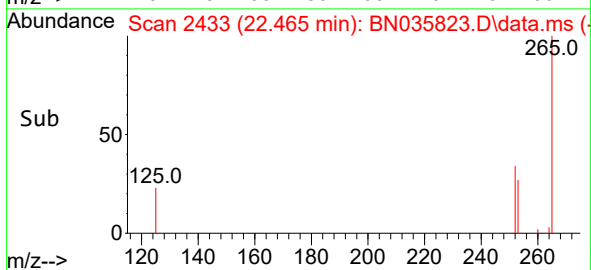
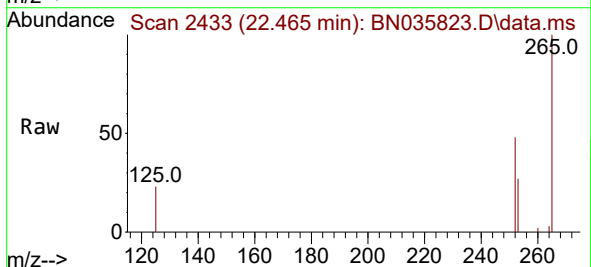
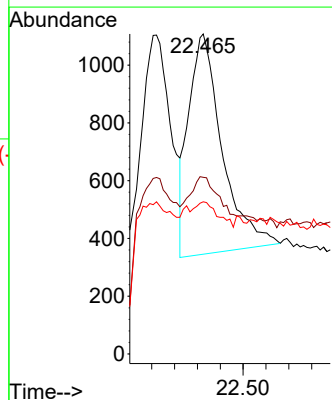
Tgt Ion:252 Resp: 1557

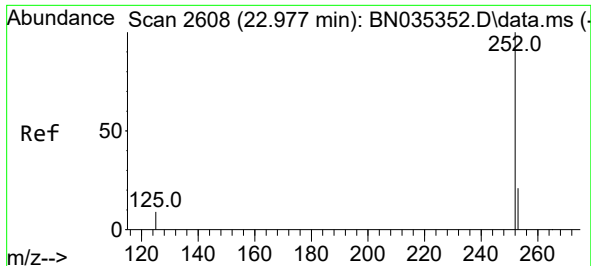
Ion Ratio Lower Upper

252 100

253 55.2 19.5 29.3#

125 47.6 10.2 15.4#





#39

Benzo(a)pyrene

Concen: 0.033 ng

RT: 22.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN035823.D

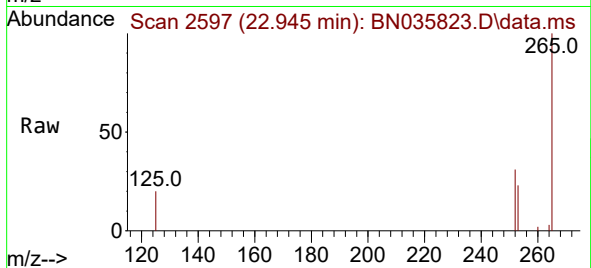
Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218



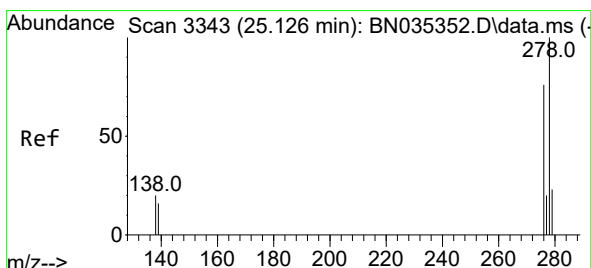
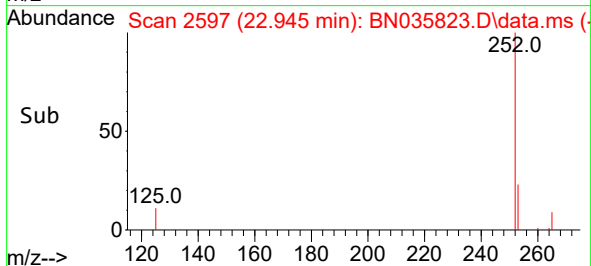
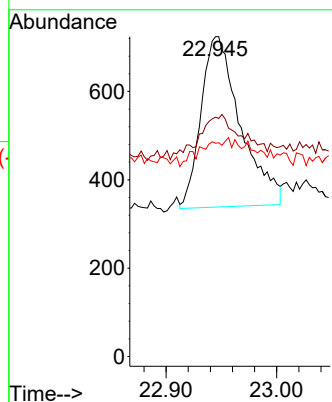
Tgt Ion:252 Resp: 959

Ion Ratio Lower Upper

252 100

253 74.9 20.2 30.4#

125 66.7 10.9 16.3#



#40

Dibenzo(a,h)anthracene

Concen: 0.036 ng

RT: 25.085 min Scan# 3329

Delta R.T. 0.003 min

Lab File: BN035823.D

Acq: 24 Dec 2024 16:06

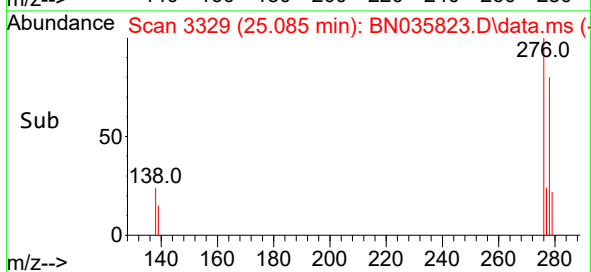
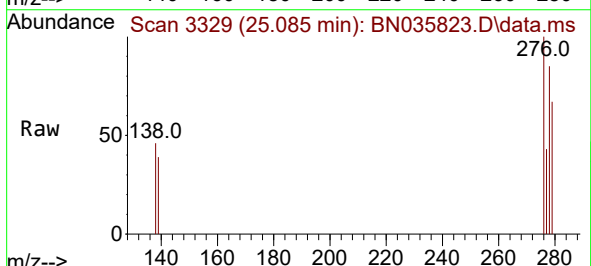
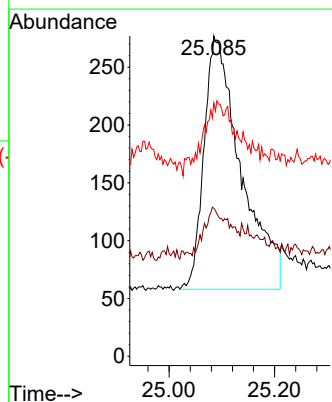
Tgt Ion:278 Resp: 1067

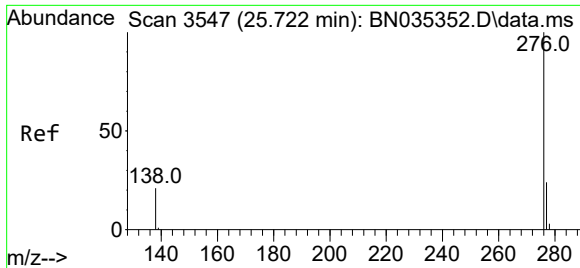
Ion Ratio Lower Upper

278 100

139 46.2 14.2 21.4#

279 79.1 20.5 30.7#





#41

Benzo(g,h,i)perylene

Concen: 0.037 ng

RT: 25.675 min Scan# 3

Delta R.T. -0.003 min

Lab File: BN035823.D

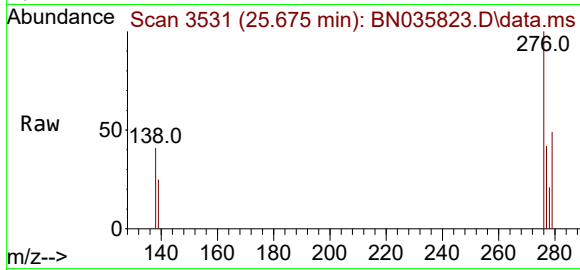
Acq: 24 Dec 2024 16:06

Instrument :

BNA_N

ClientSampleId :

RW10-MW01D-20241218



Tgt Ion:276 Resp: 1130

Ion Ratio Lower Upper

276 100

277 42.4 19.9 29.9#

138 40.6 17.8 26.8#

