

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
 Data File : BN035819.D
 Acq On : 24 Dec 2024 13:44
 Operator : RC/JU
 Sample : P5376-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT17411-20241218

Quant Time: Dec 24 23:18:17 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)

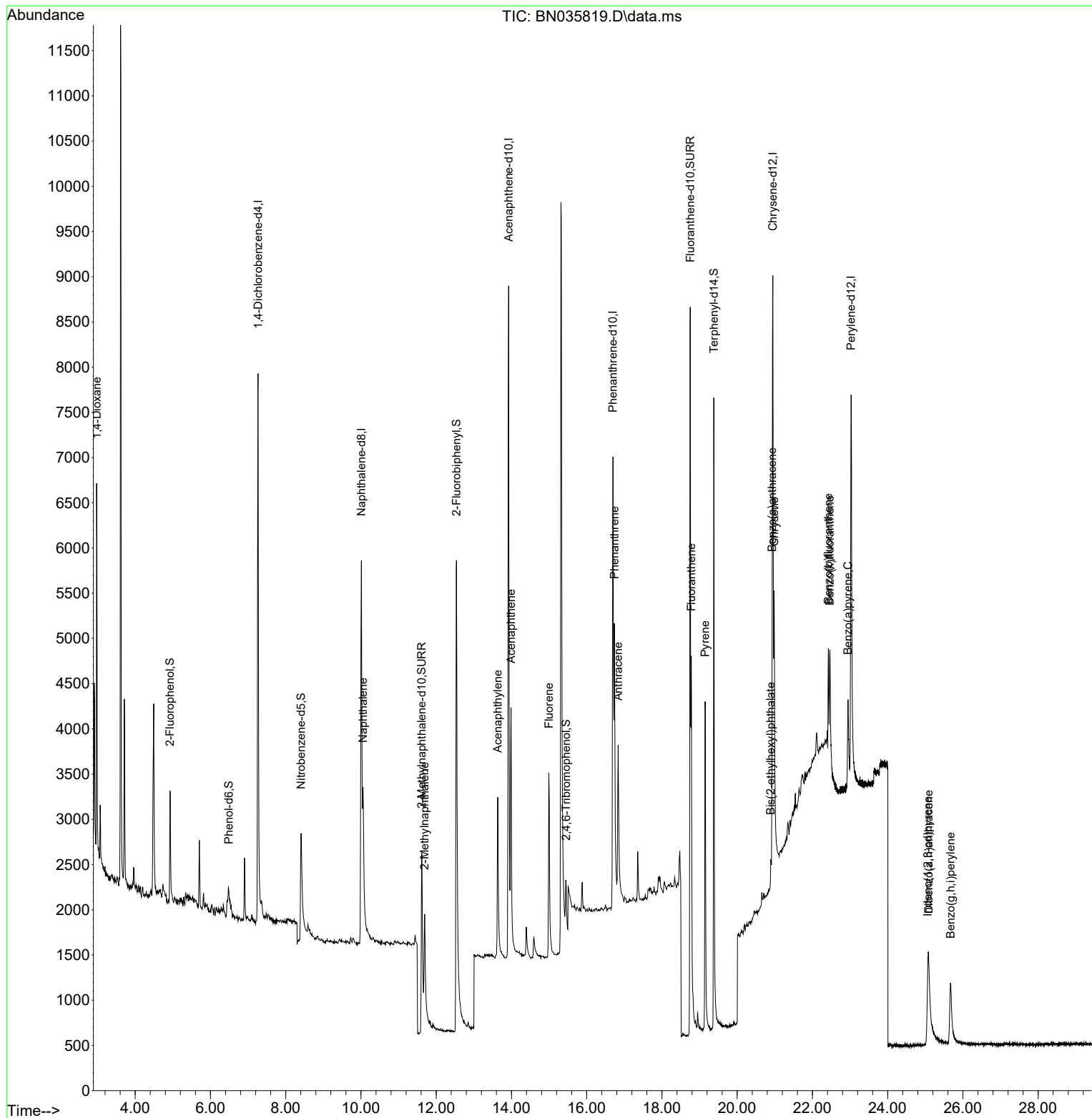
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.264	152	3689	0.400	ng	0.00
7) Naphthalene-d8	10.009	136	8470	0.400	ng	-0.01
13) Acenaphthene-d10	13.924	164	5265	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	9421	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	7347	0.400	ng	# 0.00
35) Perylene-d12	23.026	264	7210	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	1128	0.122	ng	-0.01
5) Phenol-d6	6.484	99	578	0.052	ng	0.00
8) Nitrobenzene-d5	8.407	82	3126	0.604	ng	0.00
11) 2-Methylnaphthalene-d10	11.615	152	4896	0.369	ng	0.00
14) 2,4,6-Tribromophenol	15.453	330	747	0.200	ng	0.00
15) 2-Fluorobiphenyl	12.538	172	8403	0.422	ng	0.00
27) Fluoranthene-d10	18.752	212	11207	0.420	ng	0.00
31) Terphenyl-d14	19.379	244	8308	0.573	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.974	88	2834	0.804	ng	99
9) Naphthalene	10.052	128	2295	0.103	ng	# 90
12) 2-Methylnaphthalene	11.691	142	1434	0.090	ng	# 92
16) Acenaphthylene	13.636	152	2575	0.116	ng	99
17) Acenaphthene	13.988	154	1536	0.105	ng	96
18) Fluorene	14.993	166	1937	0.092	ng	99
25) Phenanthrene	16.735	178	3558	0.137	ng	99
26) Anthracene	16.835	178	2627	0.112	ng	99
28) Fluoranthene	18.780	202	3772	0.108	ng	99
30) Pyrene	19.147	202	3996	0.147	ng	100
32) Benzo(a)anthracene	20.929	228	2328	0.091	ng	95
33) Chrysene	20.982	228	3355	0.127	ng	96
34) Bis(2-ethylhexyl)phtha...	20.893	149	357	0.035	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.067	276	2032	0.072	ng	# 86
37) Benzo(b)fluoranthene	22.421	252	3012	0.114	ng	# 58
38) Benzo(k)fluoranthene	22.462	252	2589	0.100	ng	# 56
39) Benzo(a)pyrene	22.944	252	1842	0.085	ng	# 32
40) Dibenzo(a,h)anthracene	25.090	278	1565	0.070	ng	# 43
41) Benzo(g,h,i)perylene	25.672	276	1852	0.080	ng	# 78

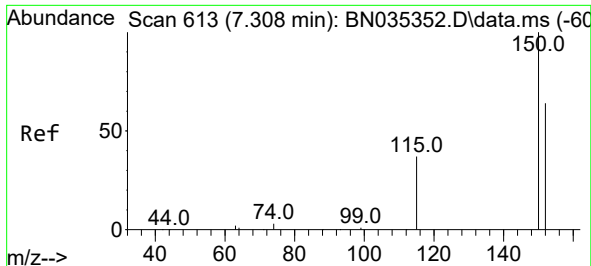
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
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Instrument :
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ClientSampleId :
TT17411-20241218

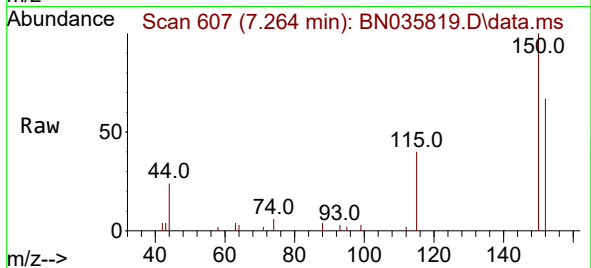
Quant Time: Dec 24 23:18:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
Response via : Initial Calibration



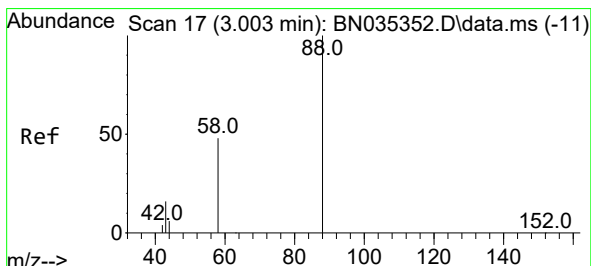
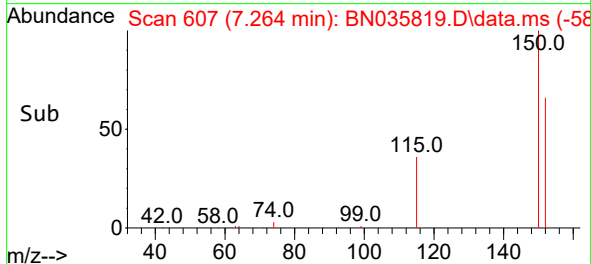
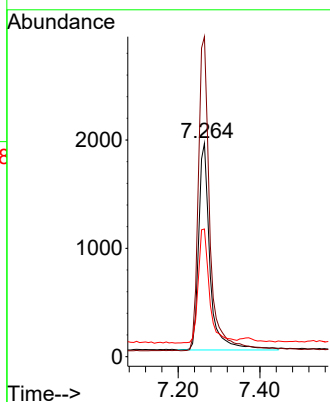


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.264 min Scan# 60
Delta R.T. -0.008 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

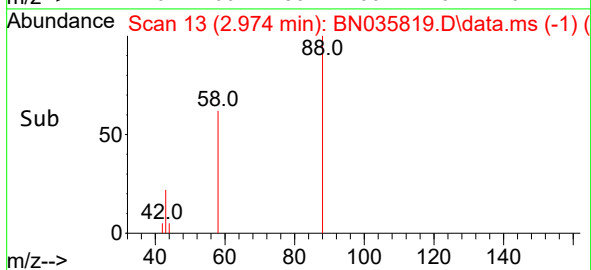
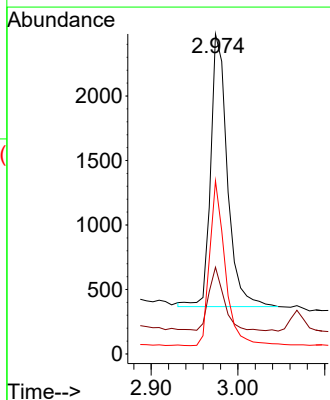
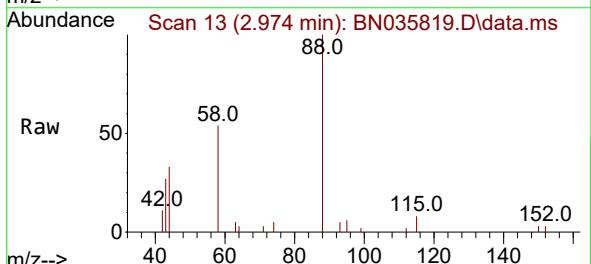


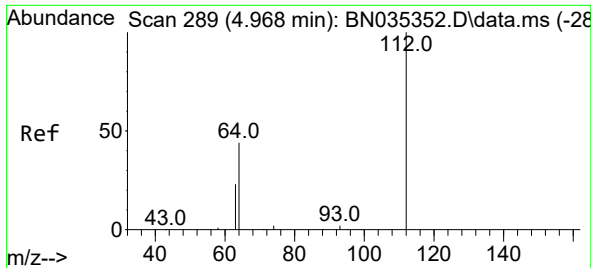
Tgt Ion:152 Resp: 3689
Ion Ratio Lower Upper
152 100
150 150.0 124.0 186.0
115 59.8 49.6 74.4



#2
1,4-Dioxane
Concen: 0.804 ng
RT: 2.974 min Scan# 13
Delta R.T. -0.008 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion: 88 Resp: 2834
Ion Ratio Lower Upper
88 100
43 21.2 17.2 25.8
58 56.3 44.5 66.7

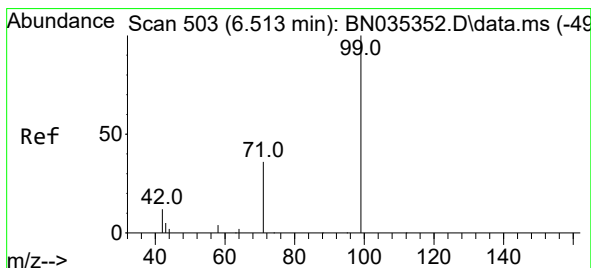
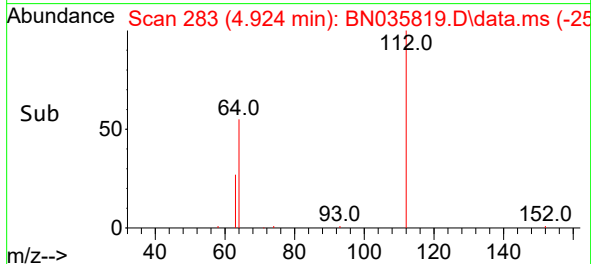
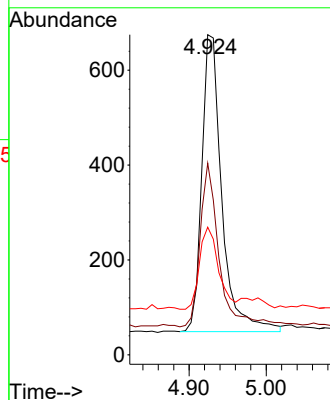
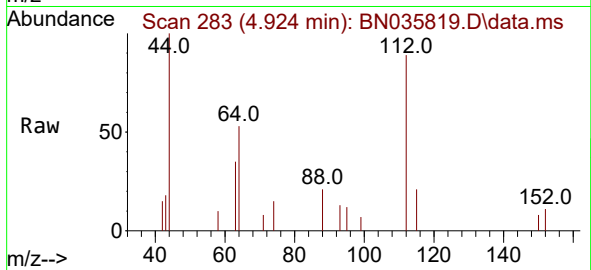




#4
2-Fluorophenol
Concen: 0.122 ng
RT: 4.924 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

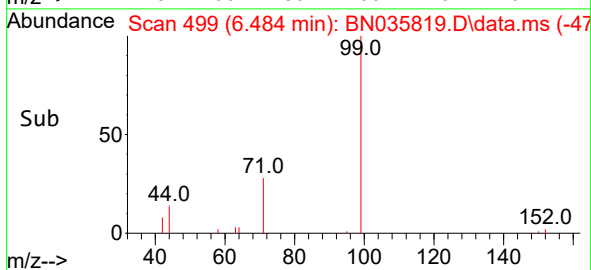
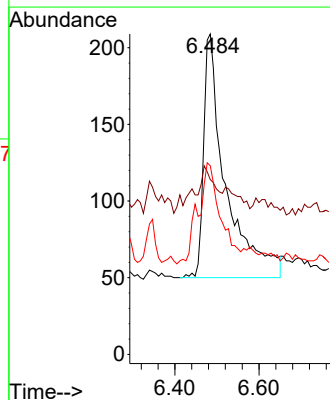
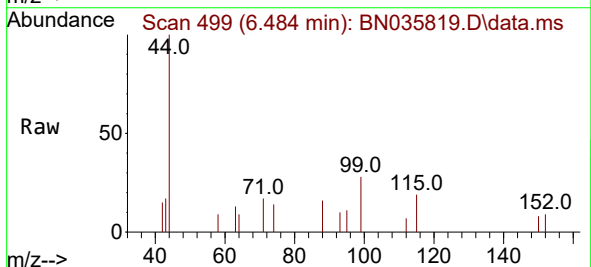
Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

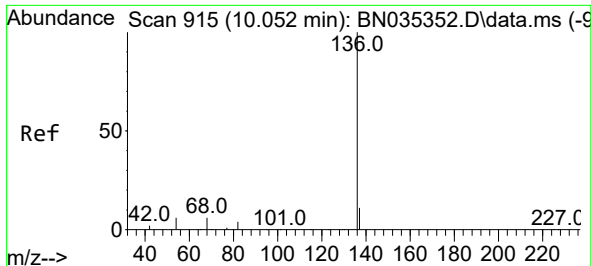
Tgt Ion:112 Resp: 1128
Ion Ratio Lower Upper
112 100
64 53.3 39.8 59.8
63 26.3 21.0 31.6



#5
Phenol-d6
Concen: 0.052 ng
RT: 6.484 min Scan# 499
Delta R.T. -0.008 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion: 99 Resp: 578
Ion Ratio Lower Upper
99 100
42 5.5 11.4 17.2#
71 42.2 29.3 43.9

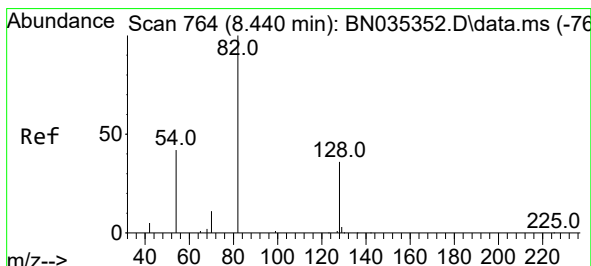
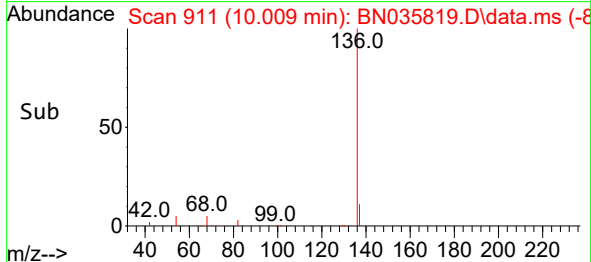
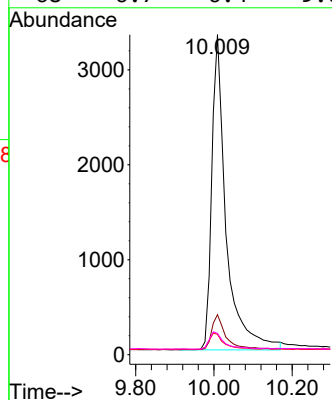
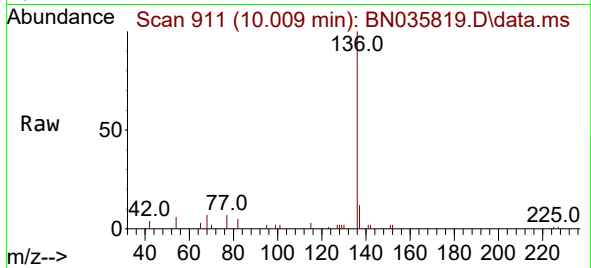




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

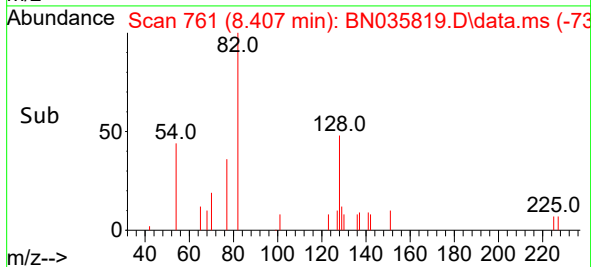
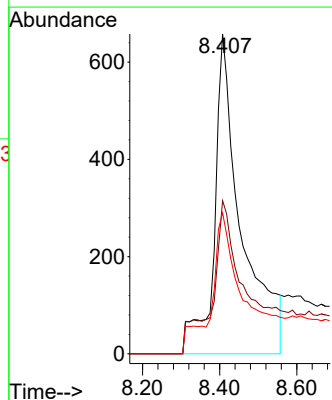
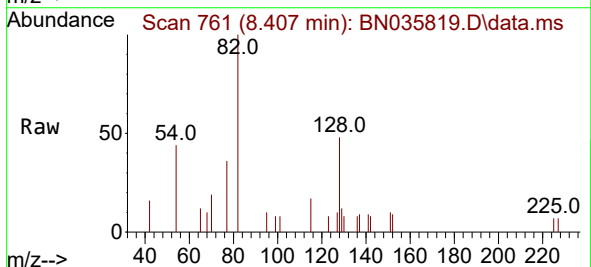
Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

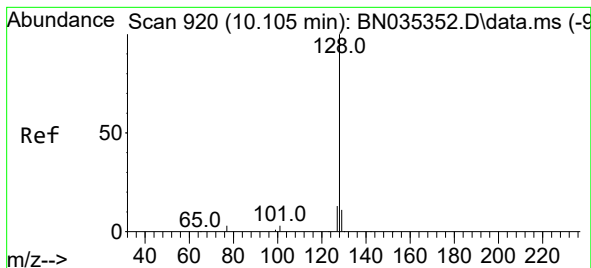
Tgt Ion:	136	Resp:	8470
Ion	Ratio	Lower	Upper
136	100		
137	12.5	10.2	15.2
54	6.4	6.1	9.1
68	6.7	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.604 ng
RT: 8.407 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:	82	Resp:	3126
Ion	Ratio	Lower	Upper
82	100		
128	47.9	33.4	50.0
54	44.1	36.7	55.1





#9

Naphthalene

Concen: 0.103 ng

RT: 10.052 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN035819.D

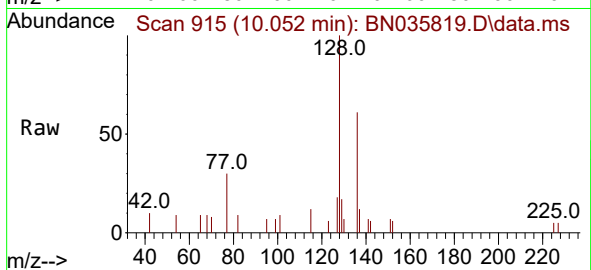
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Instrument :

BNA_N

ClientSampleId :

TT17411-20241218



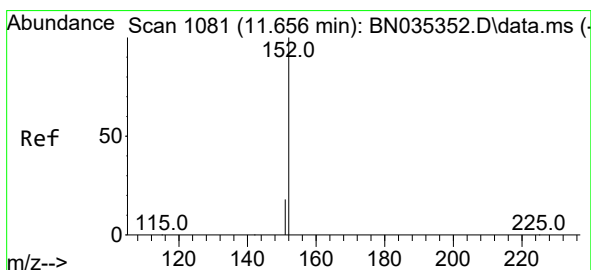
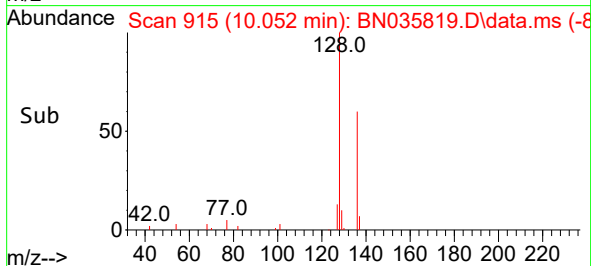
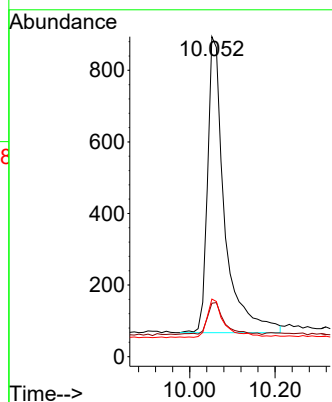
Tgt Ion:128 Resp: 2295

Ion Ratio Lower Upper

128 100

129 16.7 9.8 14.6#

127 18.0 11.4 17.2#



#11

2-Methylnaphthalene-d10

Concen: 0.369 ng

RT: 11.615 min Scan# 1073

Delta R.T. -0.005 min

Lab File: BN035819.D

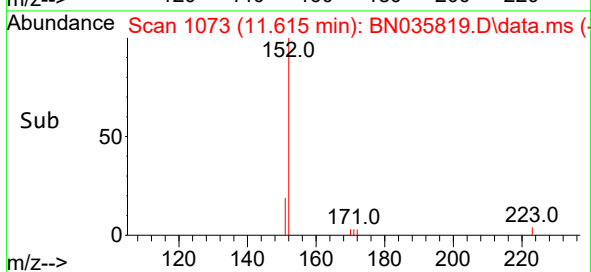
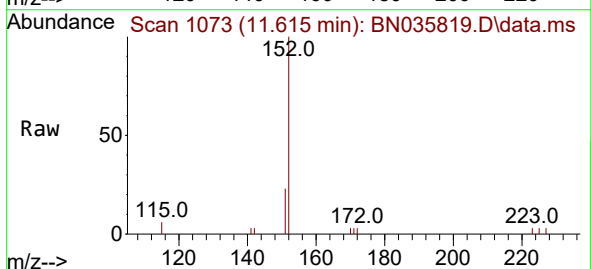
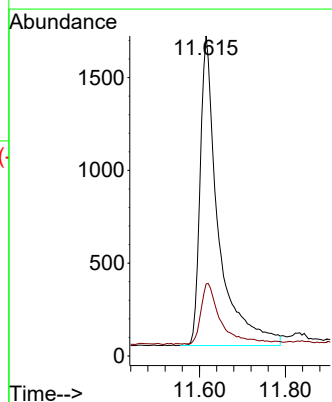
Acq: 24 Dec 2024 13:44

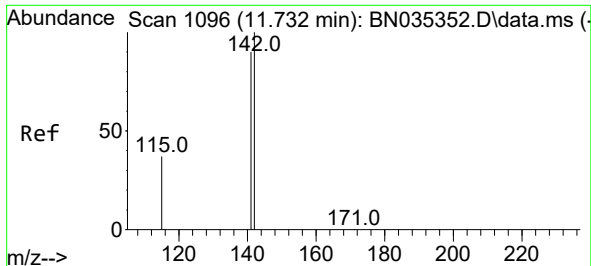
Tgt Ion:152 Resp: 4896

Ion Ratio Lower Upper

152 100

151 21.1 16.6 25.0

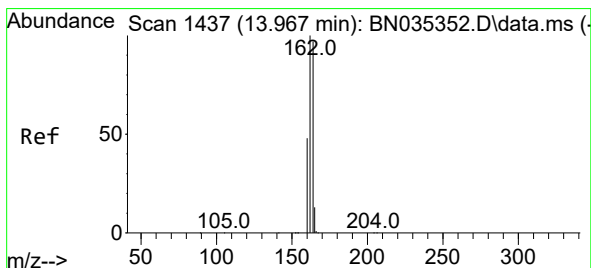
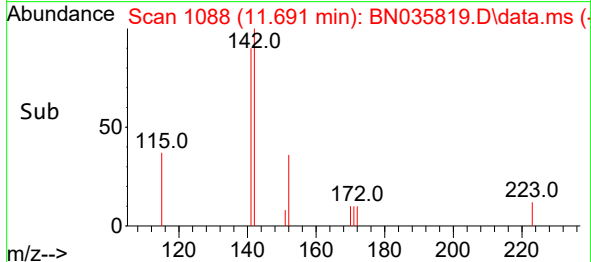
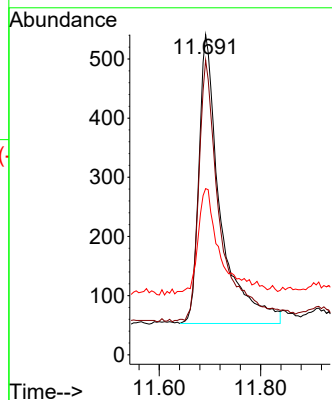
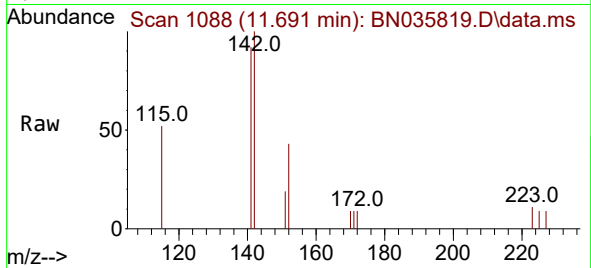




#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 11.691 min Scan# 1096
Delta R.T. -0.005 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

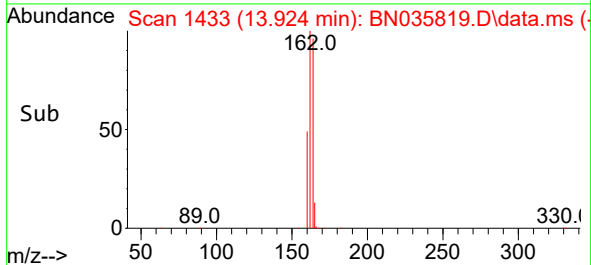
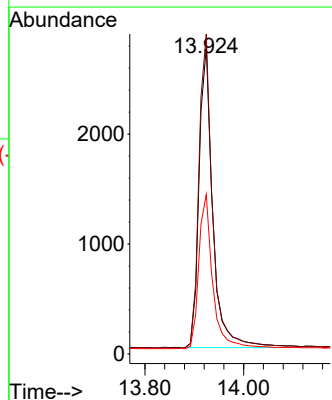
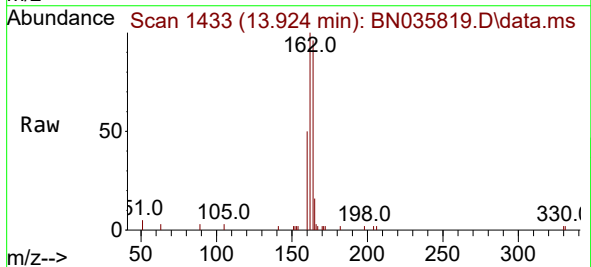
Instrument :
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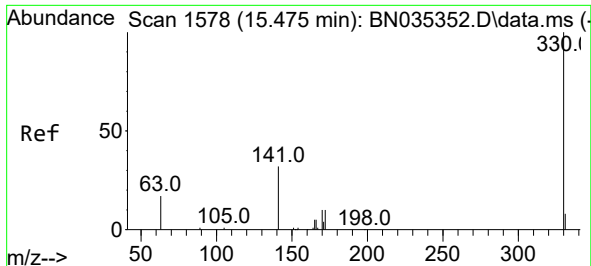
Tgt Ion:142 Resp: 1434
Ion Ratio Lower Upper
142 100
141 92.1 72.2 108.4
115 51.9 31.4 47.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.924 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:164 Resp: 5265
Ion Ratio Lower Upper
164 100
162 104.3 82.2 123.2
160 52.0 40.1 60.1

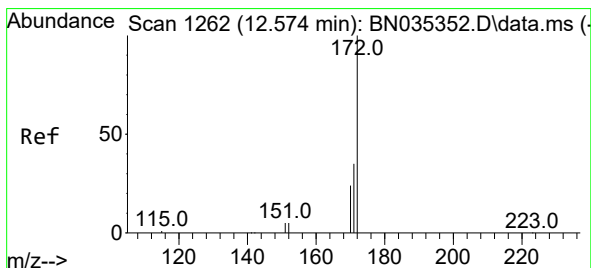
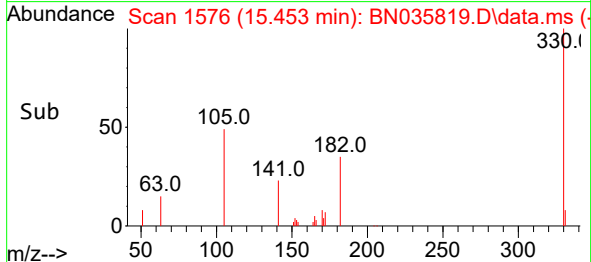
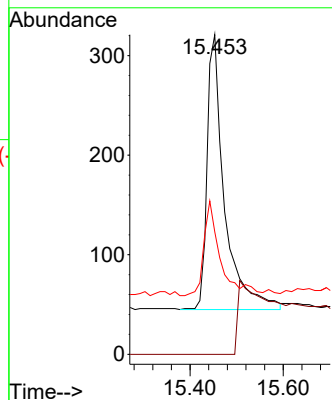
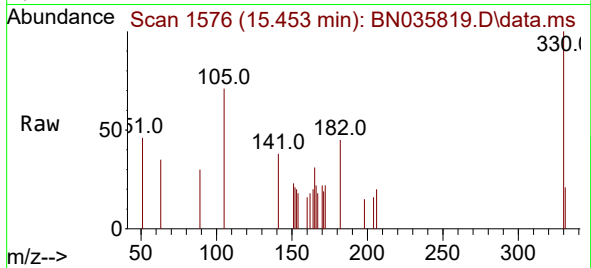




#14
2,4,6-Tribromophenol
Concen: 0.200 ng
RT: 15.453 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

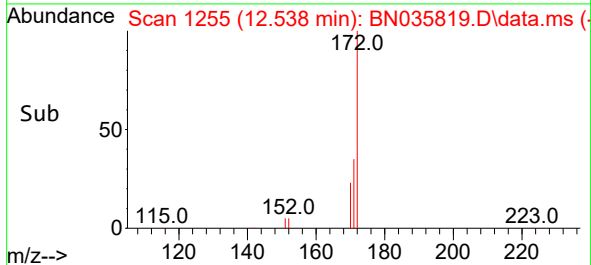
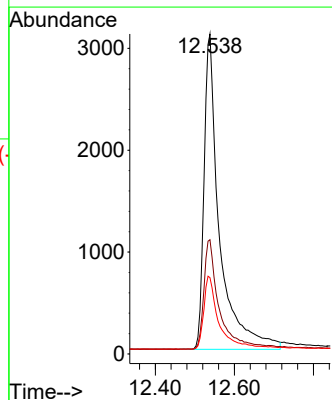
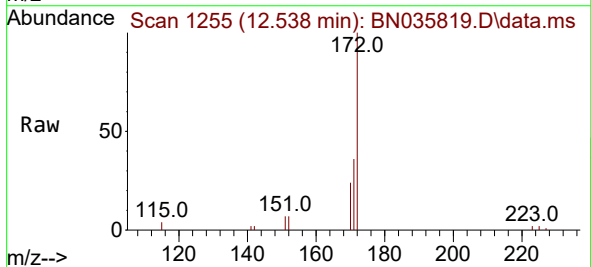
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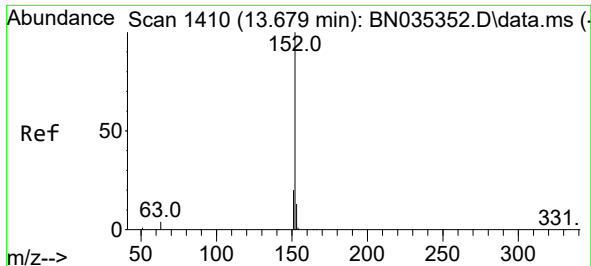
Tgt Ion:330 Resp: 747
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.3 26.6 40.0



#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 12.538 min Scan# 1255
Delta R.T. -0.005 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:172 Resp: 8403
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.8 19.8 29.8

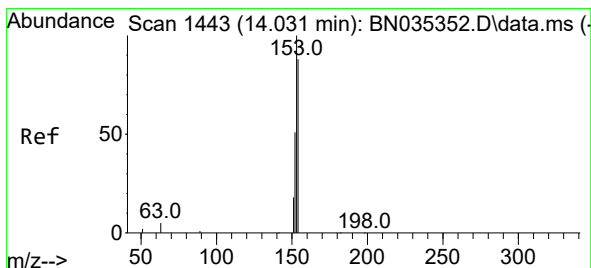
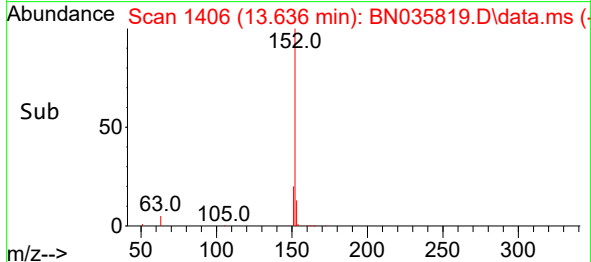
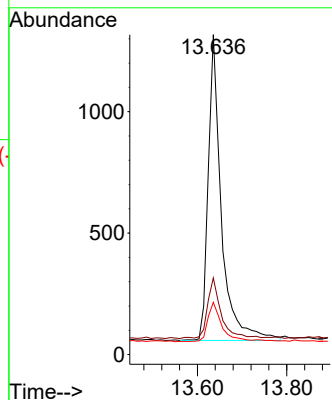
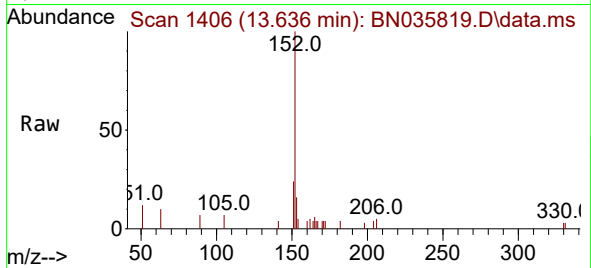




#16
Acenaphthylene
Concen: 0.116 ng
RT: 13.636 min Scan# 1406
Delta R.T. -0.011 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

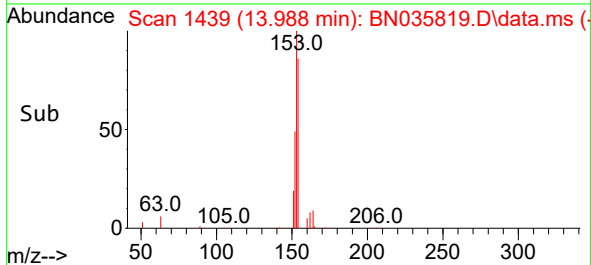
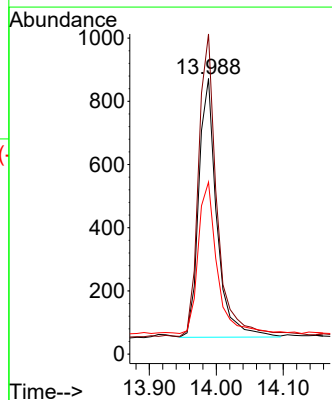
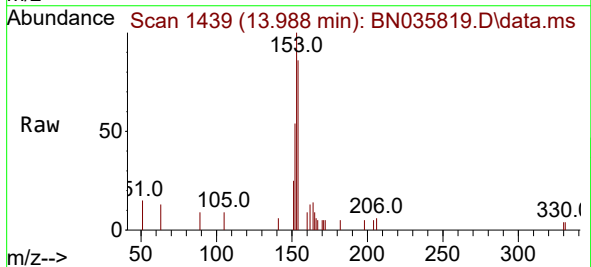
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BNA_N
ClientSampleId :
TT17411-20241218

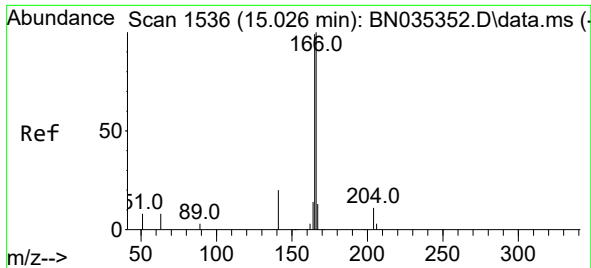
Tgt Ion:152 Resp: 2575
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.2
153 13.3 10.4 15.6



#17
Acenaphthene
Concen: 0.105 ng
RT: 13.988 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:154 Resp: 1536
Ion Ratio Lower Upper
154 100
153 122.4 92.6 139.0
152 61.7 49.0 73.6

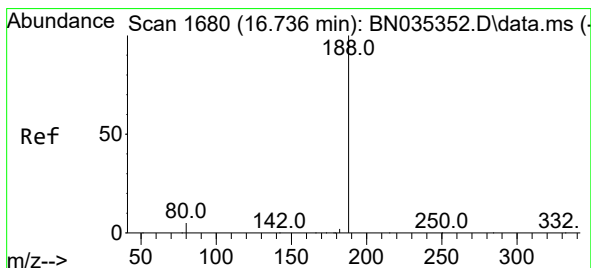
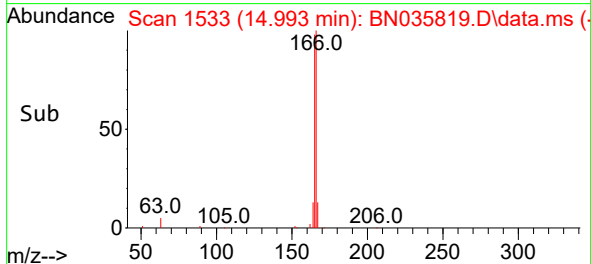
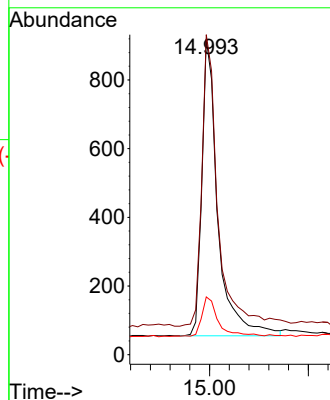
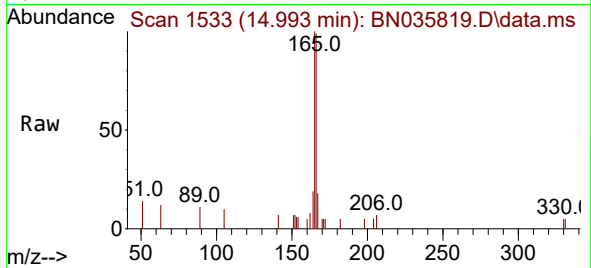




#18
Fluorene
Concen: 0.092 ng
RT: 14.993 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

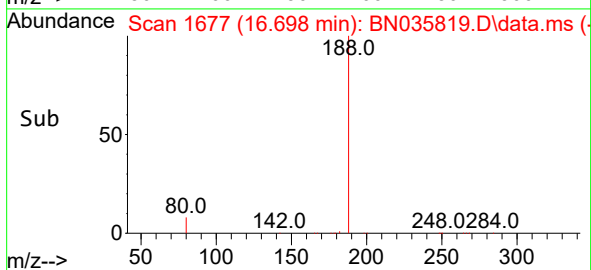
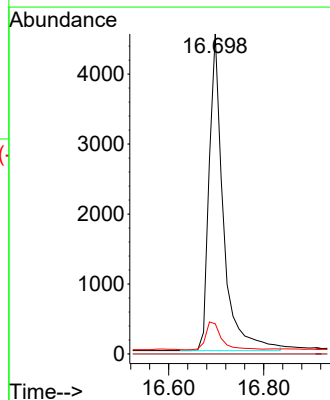
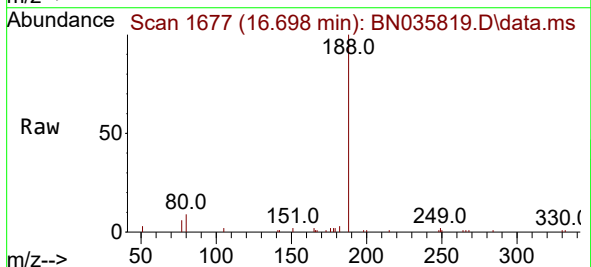
Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

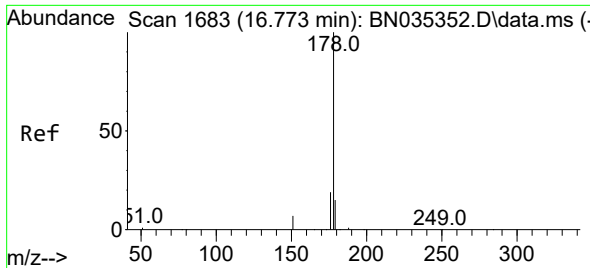
Tgt Ion:166 Resp: 1937
Ion Ratio Lower Upper
166 100
165 98.9 79.7 119.5
167 13.8 10.8 16.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.698 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:188 Resp: 9421
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.4 4.6 6.8#

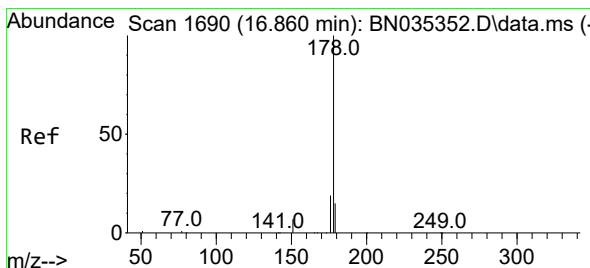
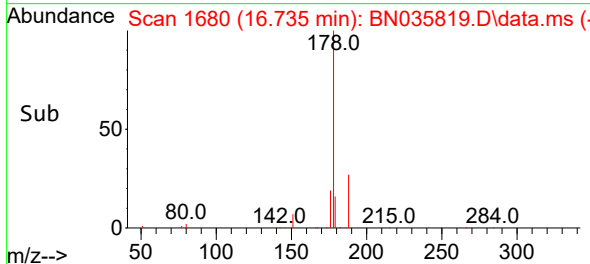
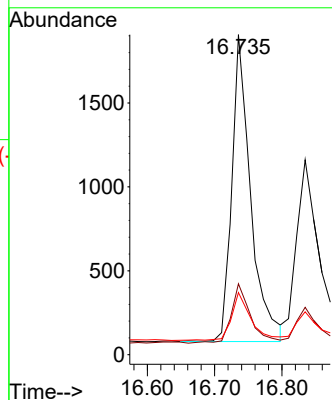
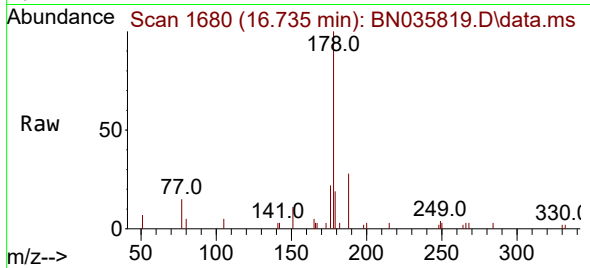




#25
Phenanthrene
Concen: 0.137 ng
RT: 16.735 min Scan# 1680
Delta R.T. -0.013 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

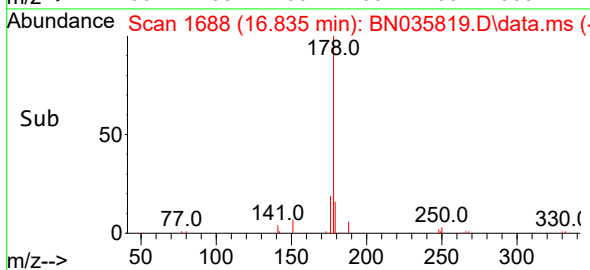
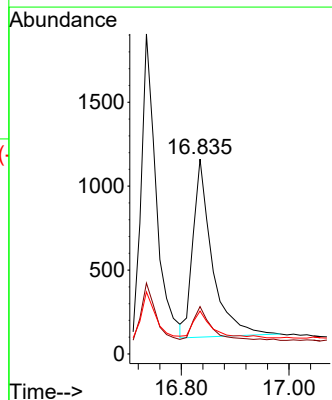
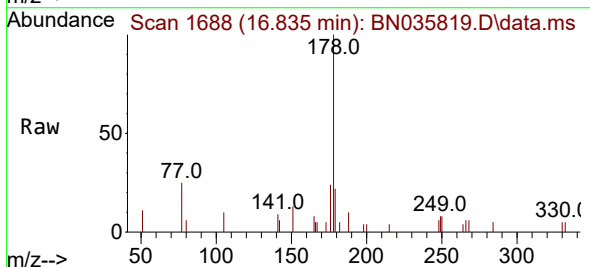
Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

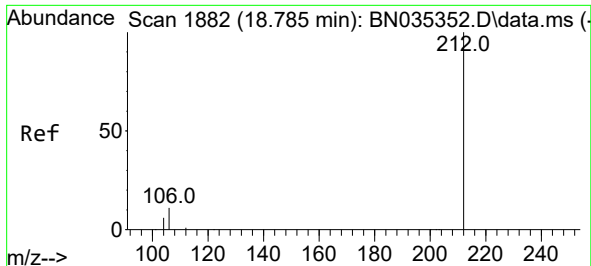
Tgt Ion:178 Resp: 3558
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.1 12.3 18.5



#26
Anthracene
Concen: 0.112 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:178 Resp: 2627
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 15.8 12.6 18.8

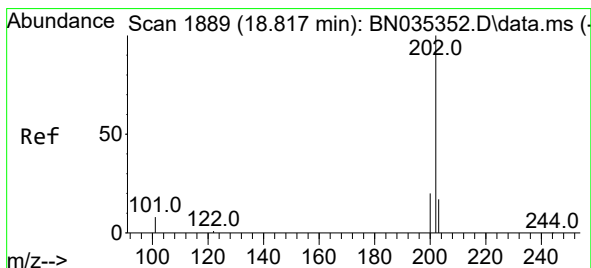
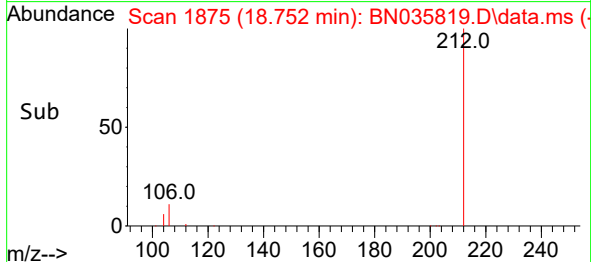
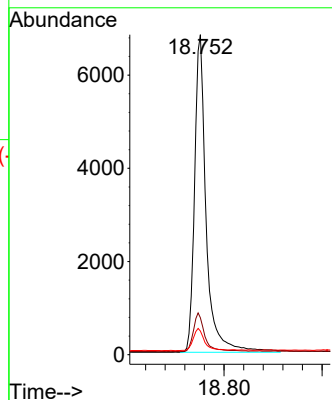
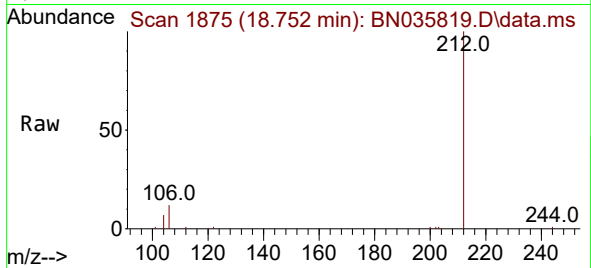




#27
Fluoranthene-d10
Concen: 0.420 ng
RT: 18.752 min Scan# 1875
Delta R.T. -0.010 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

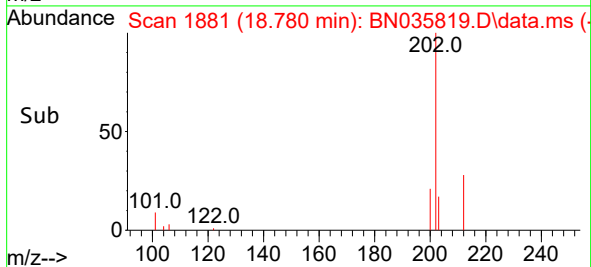
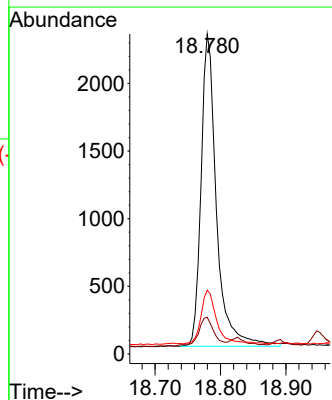
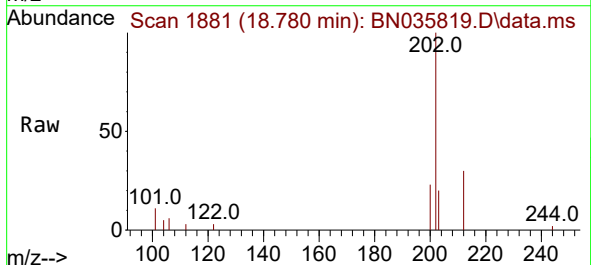
Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

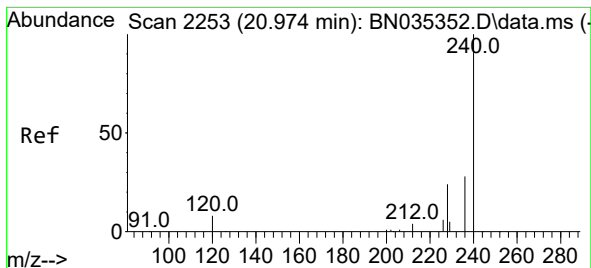
Tgt Ion:212 Resp: 11207
Ion Ratio Lower Upper
212 100
106 12.1 9.2 13.8
104 6.8 5.3 7.9



#28
Fluoranthene
Concen: 0.108 ng
RT: 18.780 min Scan# 1881
Delta R.T. -0.010 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:202 Resp: 3772
Ion Ratio Lower Upper
202 100
101 9.2 7.4 11.0
203 17.9 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: BN035819.D

Acq: 24 Dec 2024 13:44

Instrument :

BNA_N

ClientSampleId :

TT17411-20241218

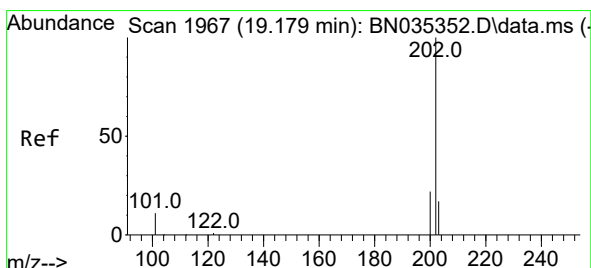
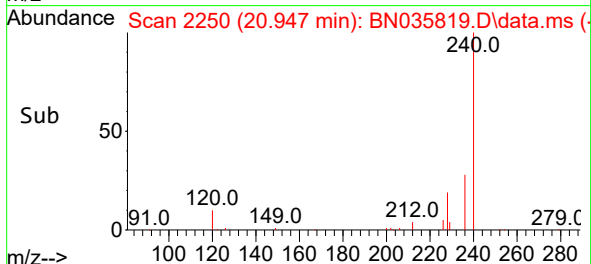
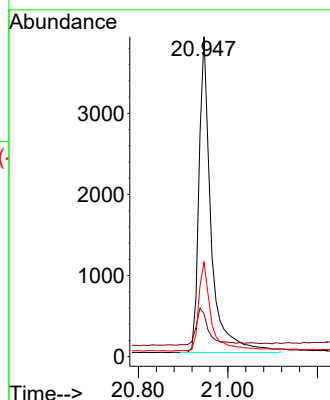
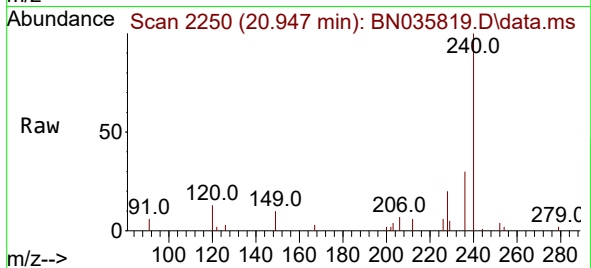
Tgt Ion:240 Resp: 7347

Ion Ratio Lower Upper

240 100

120 13.4 7.9 11.9#

236 29.5 22.9 34.3



#30

Pyrene

Concen: 0.147 ng

RT: 19.147 min Scan# 1960

Delta R.T. -0.014 min

Lab File: BN035819.D

Acq: 24 Dec 2024 13:44

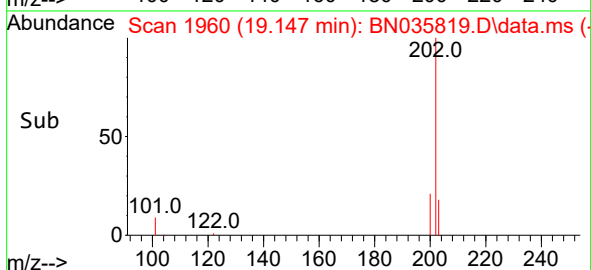
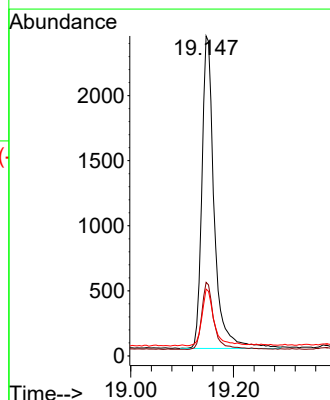
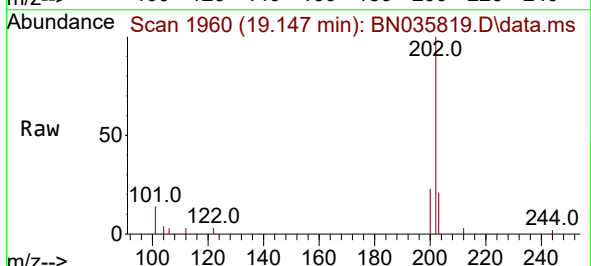
Tgt Ion:202 Resp: 3996

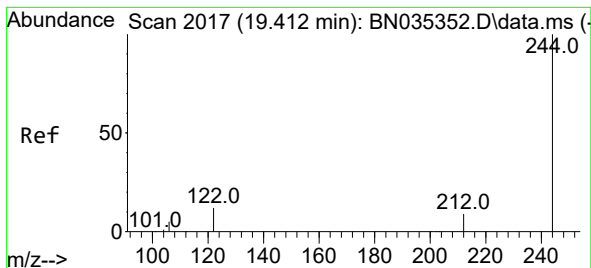
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.7 14.3 21.5





#31

Terphenyl-d14

Concen: 0.573 ng

RT: 19.379 min Scan# 2017

Delta R.T. -0.010 min

Lab File: BN035819.D

Acq: 24 Dec 2024 13:44

Instrument :

BNA_N

ClientSampleId :

TT17411-20241218

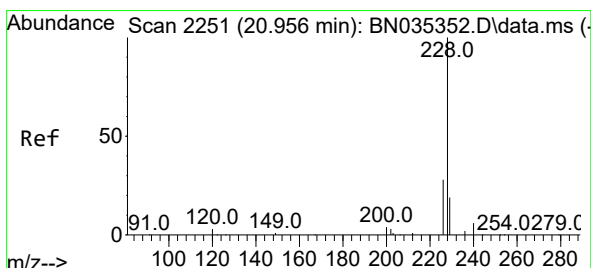
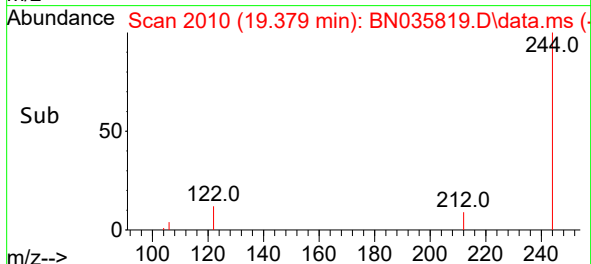
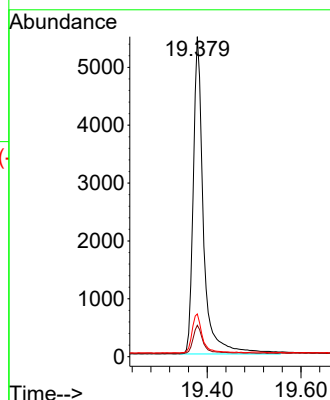
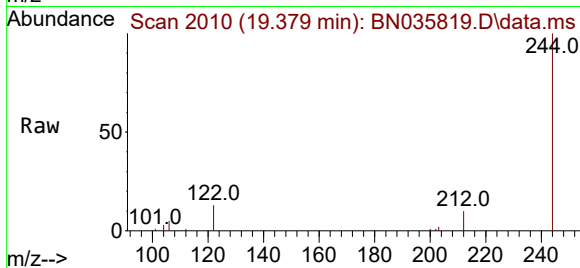
Tgt Ion:244 Resp: 8308

Ion Ratio Lower Upper

244 100

212 9.8 8.1 12.1

122 13.3 10.3 15.5



#32

Benzo(a)anthracene

Concen: 0.091 ng

RT: 20.929 min Scan# 2248

Delta R.T. -0.009 min

Lab File: BN035819.D

Acq: 24 Dec 2024 13:44

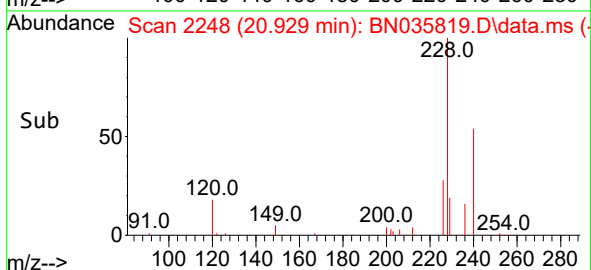
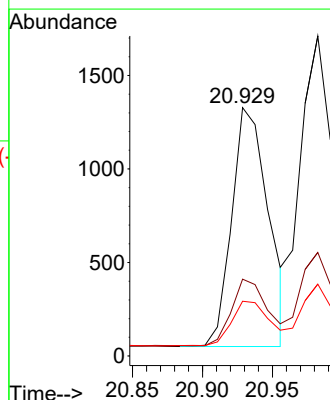
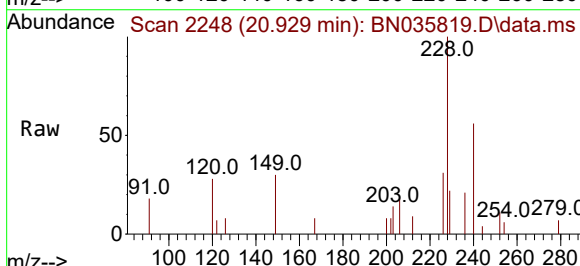
Tgt Ion:228 Resp: 2328

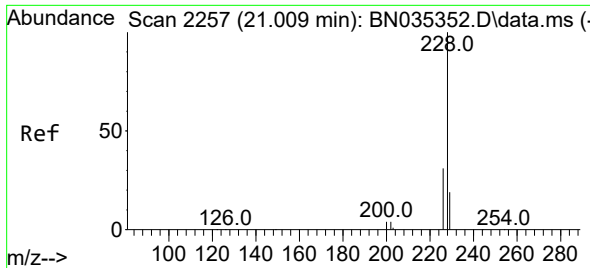
Ion Ratio Lower Upper

228 100

226 30.9 22.5 33.7

229 22.1 15.8 23.8





#33

Chrysene

Concen: 0.127 ng

RT: 20.982 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035819.D

Acq: 24 Dec 2024 13:44

Instrument :

BNA_N

ClientSampleId :

TT17411-20241218

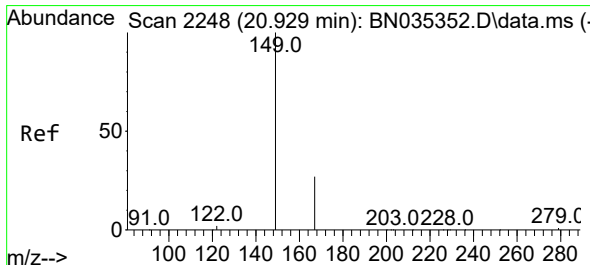
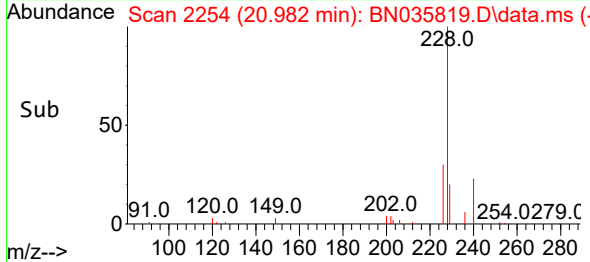
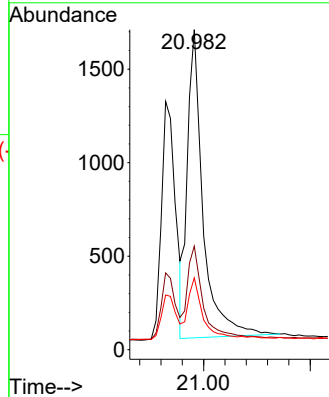
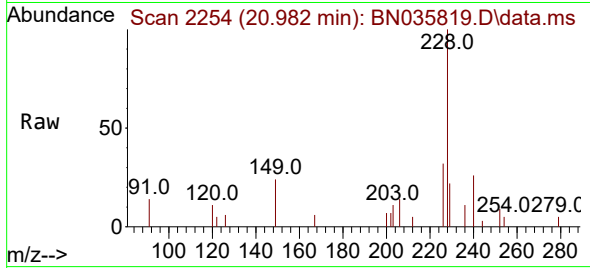
Tgt Ion:228 Resp: 3355

Ion Ratio Lower Upper

228 100

226 32.4 24.6 37.0

229 22.4 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.035 ng

RT: 20.893 min Scan# 2244

Delta R.T. -0.018 min

Lab File: BN035819.D

Acq: 24 Dec 2024 13:44

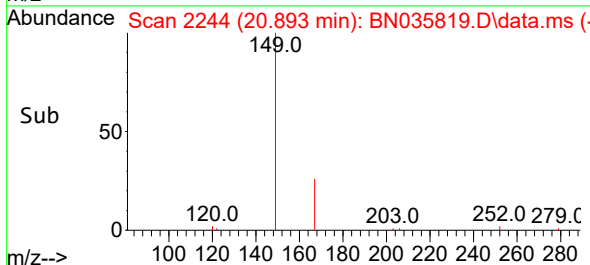
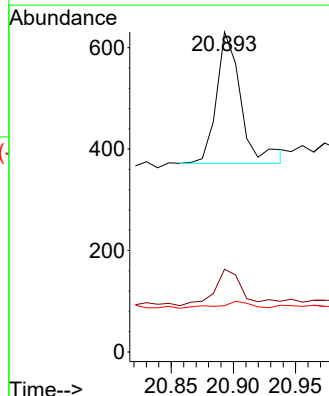
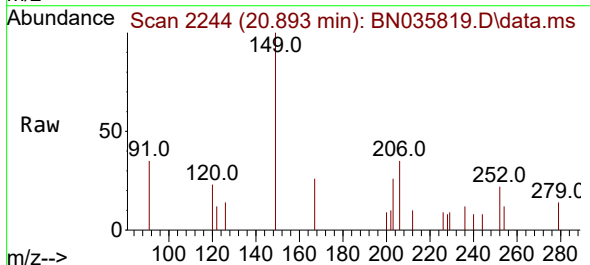
Tgt Ion:149 Resp: 357

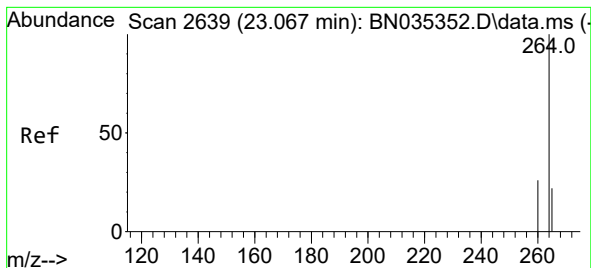
Ion Ratio Lower Upper

149 100

167 29.4 22.2 33.4

279 6.7 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: BN035819.D

Acq: 24 Dec 2024 13:44

Instrument :

BNA_N

ClientSampleId :

TT17411-20241218

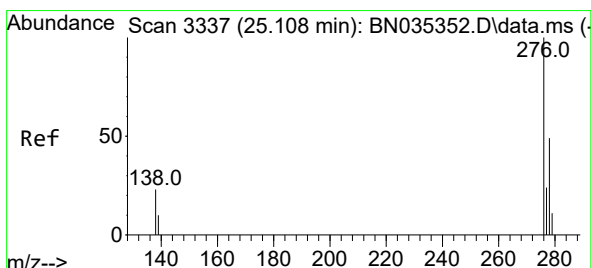
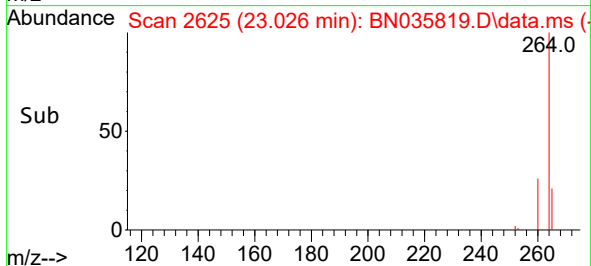
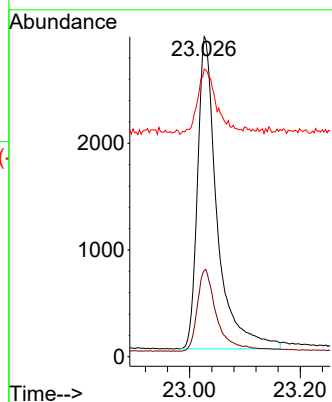
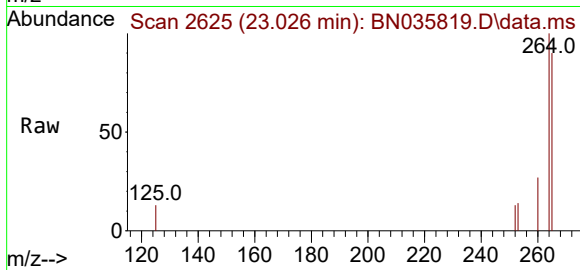
Tgt Ion:264 Resp: 7210

Ion Ratio Lower Upper

264 100

260 26.9 21.4 32.2

265 89.9 40.2 60.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.072 ng

RT: 25.067 min Scan# 3323

Delta R.T. -0.000 min

Lab File: BN035819.D

Acq: 24 Dec 2024 13:44

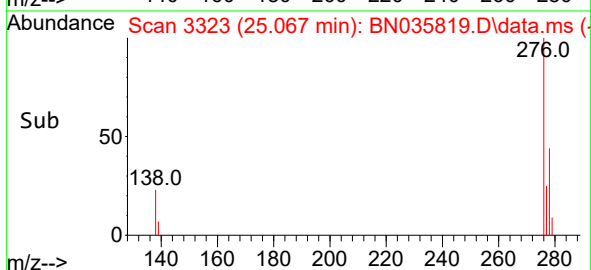
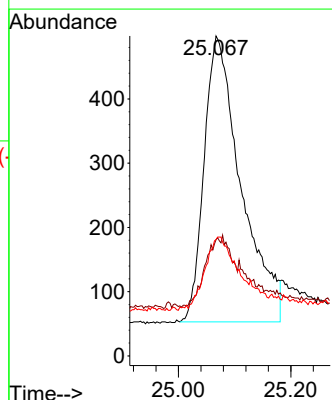
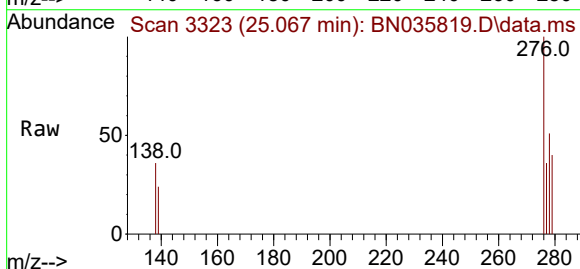
Tgt Ion:276 Resp: 2032

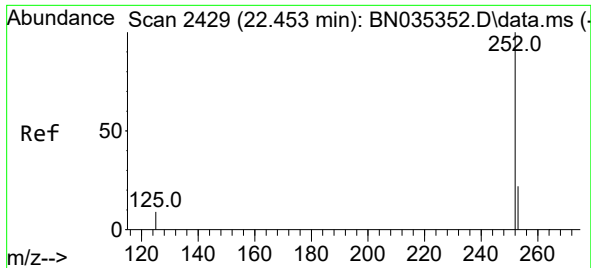
Ion Ratio Lower Upper

276 100

138 10.6 19.4 29.0#

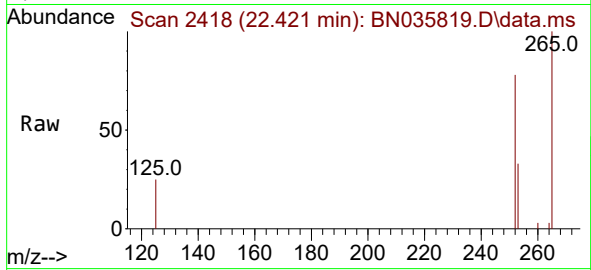
277 24.9 19.8 29.6



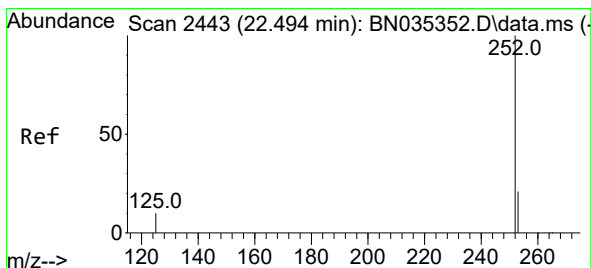
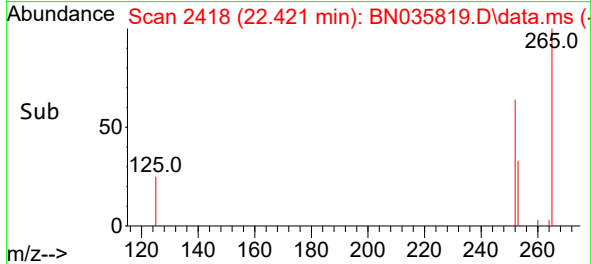
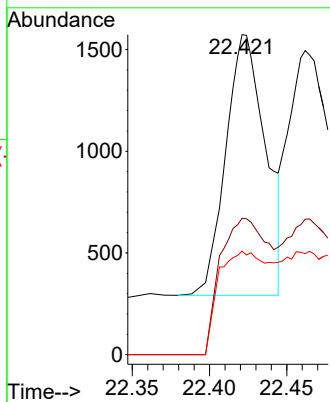


#37
Benzo(b)fluoranthene
Concen: 0.114 ng
RT: 22.421 min Scan# 2418
Delta R.T. -0.009 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

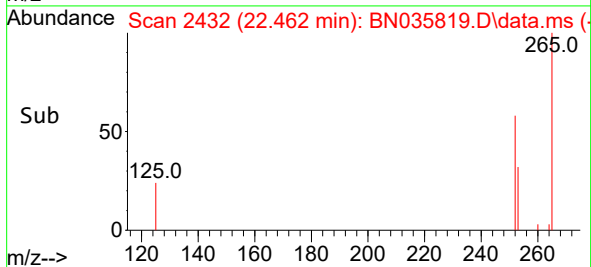
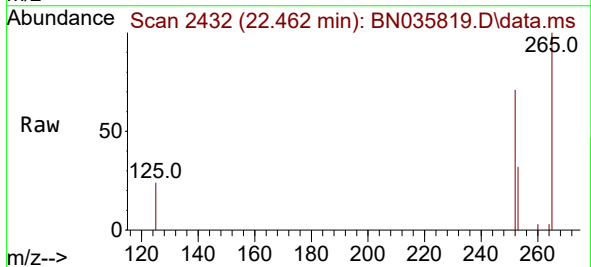
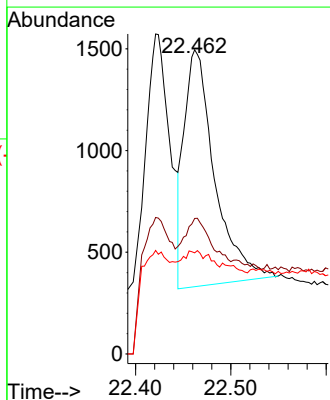


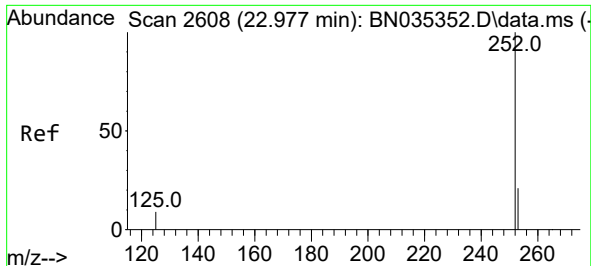
Tgt Ion:252 Resp: 3012
Ion Ratio Lower Upper
252 100
253 42.7 19.6 29.4#
125 32.4 9.6 14.4#



#38
Benzo(k)fluoranthene
Concen: 0.100 ng
RT: 22.462 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:252 Resp: 2589
Ion Ratio Lower Upper
252 100
253 44.5 19.5 29.3#
125 33.2 10.2 15.4#

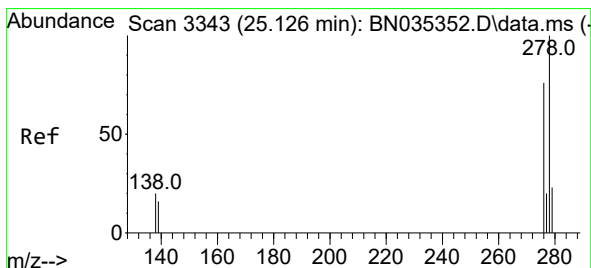
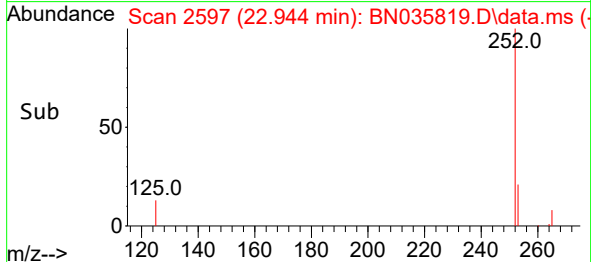
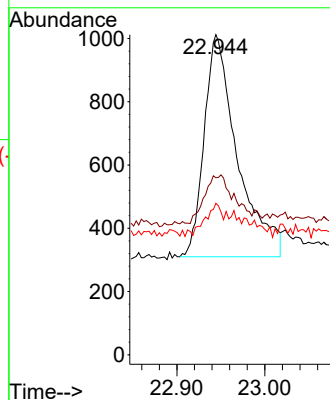
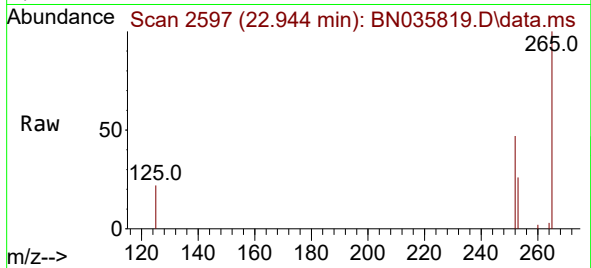




#39
Benzo(a)pyrene
Concen: 0.085 ng
RT: 22.944 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

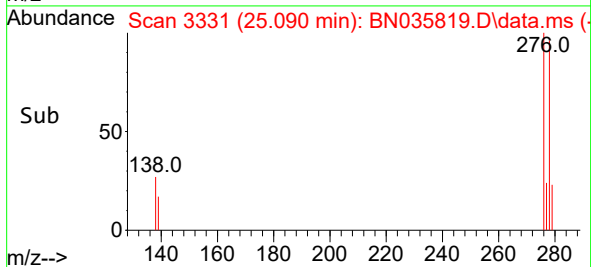
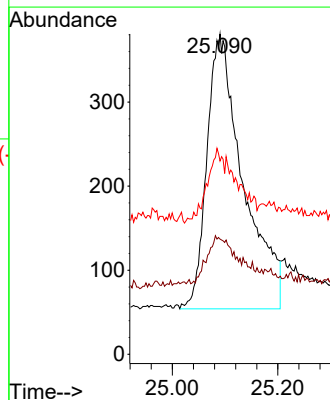
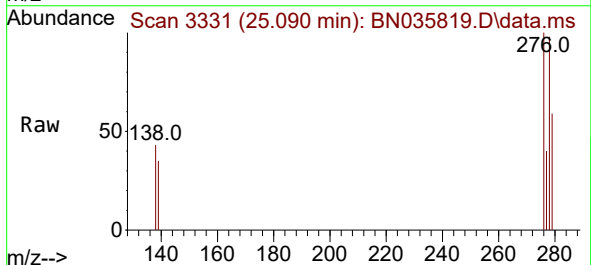
Instrument :
BNA_N
ClientSampleId :
TT17411-20241218

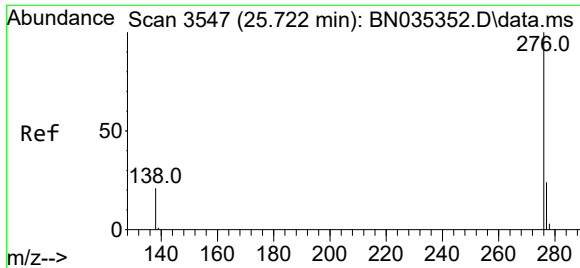
Tgt Ion:252 Resp: 1842
Ion Ratio Lower Upper
252 100
253 55.3 20.2 30.4#
125 47.3 10.9 16.3#



#40
Dibenzo(a,h)anthracene
Concen: 0.070 ng
RT: 25.090 min Scan# 3331
Delta R.T. 0.008 min
Lab File: BN035819.D
Acq: 24 Dec 2024 13:44

Tgt Ion:278 Resp: 1565
Ion Ratio Lower Upper
278 100
139 36.0 14.2 21.4#
279 60.4 20.5 30.7#





#41

Benzo(g,h,i)perylene

Concen: 0.080 ng

RT: 25.672 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN035819.D

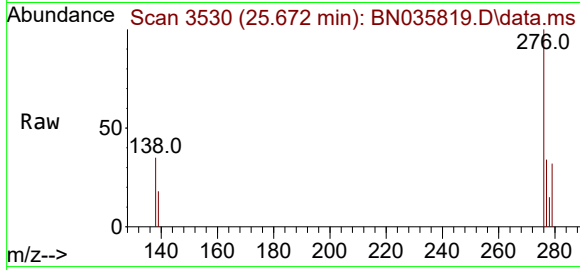
Acq: 24 Dec 2024 13:44

Instrument :

BNA_N

ClientSampleId :

TT17411-20241218



Tgt Ion:276 Resp: 1852

Ion Ratio Lower Upper

276 100

277 33.9 19.9 29.9#

138 35.2 17.8 26.8#

