

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122324\
 Data File : BN035818.D
 Acq On : 24 Dec 2024 13:08
 Operator : RC/JU
 Sample : P5376-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-07-20241218

Quant Time: Dec 24 23:18:00 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

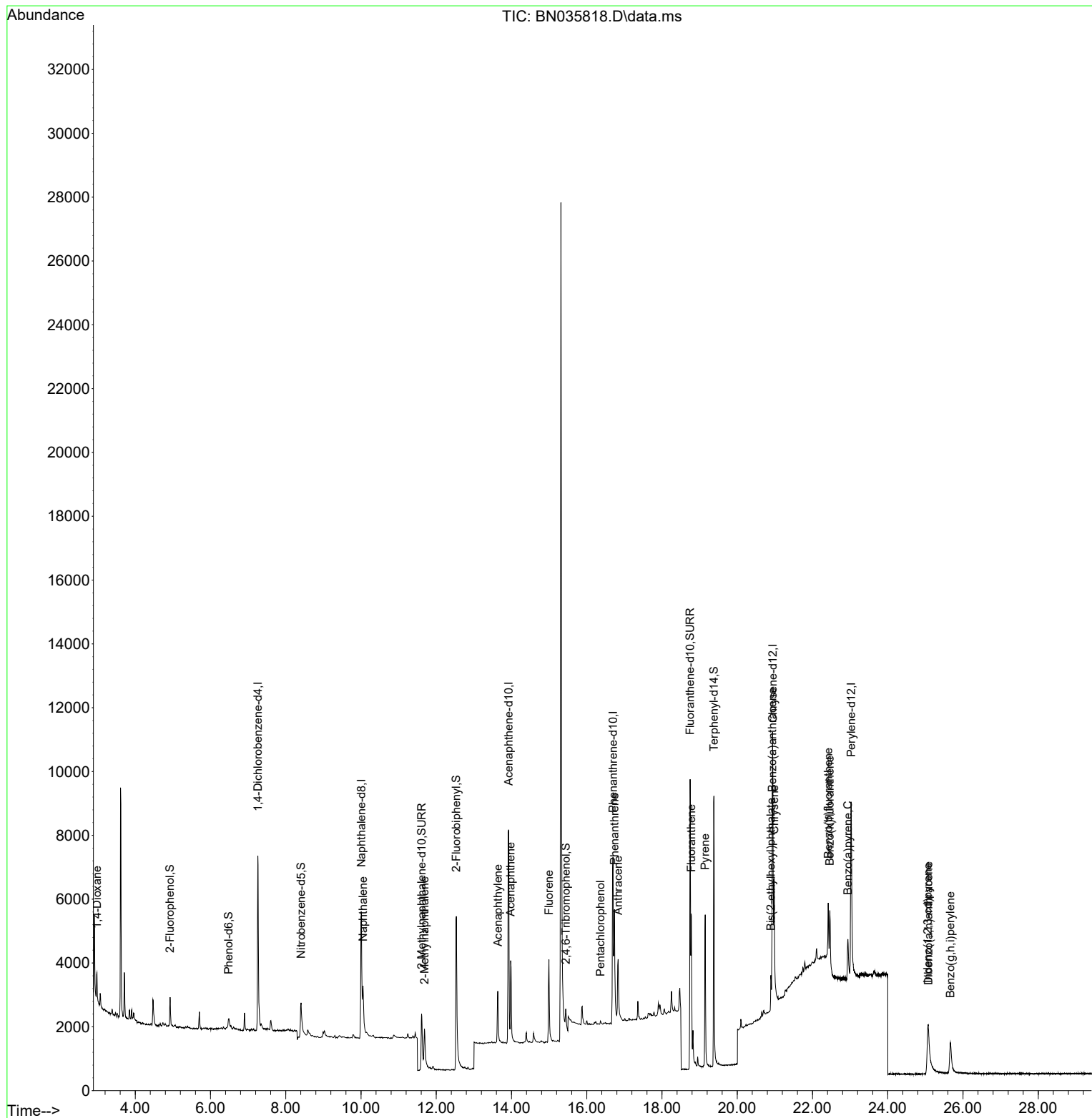
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.257	152	3045	0.400	ng	-0.01
7) Naphthalene-d8	10.009	136	7417	0.400	ng	#-0.01
13) Acenaphthene-d10	13.925	164	4769	0.400	ng	-0.01
19) Phenanthrene-d10	16.698	188	10054	0.400	ng	# 0.00
29) Chrysene-d12	20.947	240	8730	0.400	ng	0.00
35) Perylene-d12	23.026	264	8948	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.924	112	828	0.109	ng	-0.01
5) Phenol-d6	6.477	99	491	0.054	ng	-0.01
8) Nitrobenzene-d5	8.408	82	1989	0.439	ng	0.00
11) 2-Methylnaphthalene-d10	11.611	152	4011	0.346	ng	-0.01
14) 2,4,6-Tribromophenol	15.443	330	736	0.217	ng	-0.01
15) 2-Fluorobiphenyl	12.534	172	6868	0.381	ng	-0.01
27) Fluoranthene-d10	18.747	212	11709	0.411	ng	-0.01
31) Terphenyl-d14	19.379	244	9932	0.577	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.982	88	761	0.261	ng	89
9) Naphthalene	10.052	128	2140	0.109	ng	# 90
12) 2-Methylnaphthalene	11.687	142	1347	0.096	ng	# 92
16) Acenaphthylene	13.636	152	2222	0.111	ng	98
17) Acenaphthene	13.978	154	1464	0.110	ng	99
18) Fluorene	14.994	166	2023	0.106	ng	99
24) Pentachlorophenol	16.363	266	64	0.021	ng	# 69
25) Phenanthrene	16.736	178	3999	0.145	ng	98
26) Anthracene	16.835	178	3041	0.122	ng	99
28) Fluoranthene	18.780	202	4605	0.124	ng	98
30) Pyrene	19.147	202	4782	0.148	ng	99
32) Benzo(a)anthracene	20.929	228	3217	0.105	ng	95
33) Chrysene	20.983	228	4153	0.132	ng	98
34) Bis(2-ethylhexyl)phtha...	20.893	149	1111	0.092	ng	99
36) Indeno(1,2,3-cd)pyrene	25.064	276	2885	0.082	ng	97
37) Benzo(b)fluoranthene	22.418	252	5898	0.180	ng	# 67
38) Benzo(k)fluoranthene	22.459	252	3643	0.113	ng	# 65
39) Benzo(a)pyrene	22.942	252	2686	0.100	ng	# 49
40) Dibenzo(a,h)anthracene	25.085	278	2103	0.076	ng	# 58
41) Benzo(g,h,i)perylene	25.667	276	2516	0.087	ng	# 83

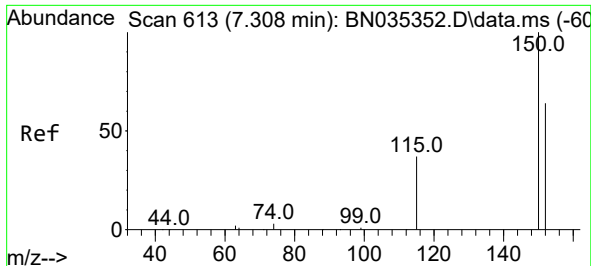
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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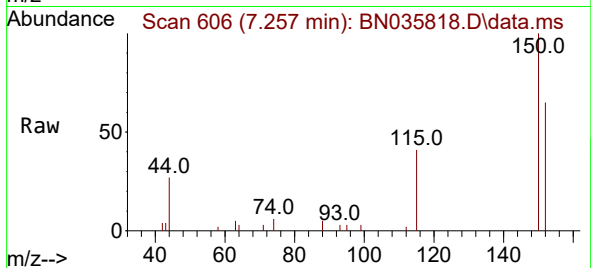
Quant Time: Dec 24 23:18:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 19 23:06:19 2024
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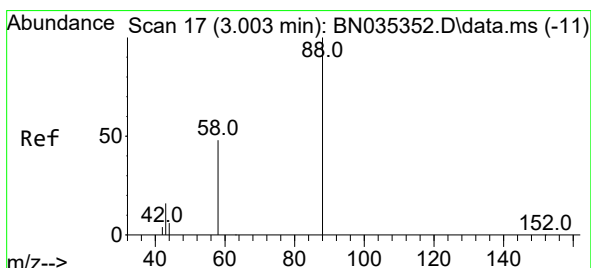
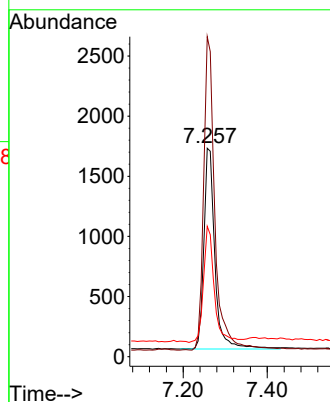
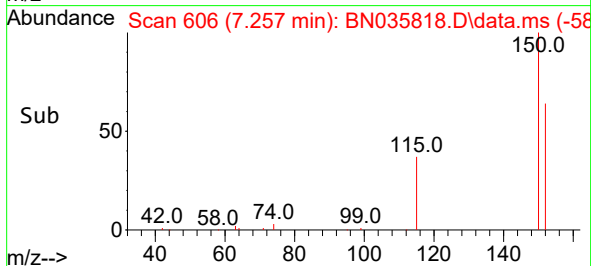


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.257 min Scan# 60
 Delta R.T. -0.015 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

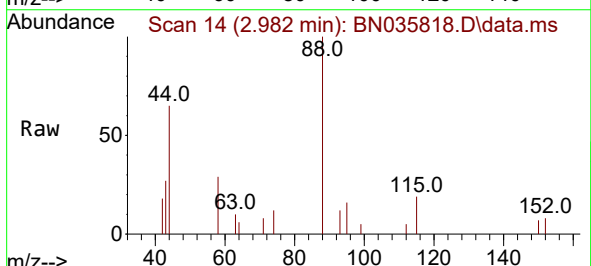
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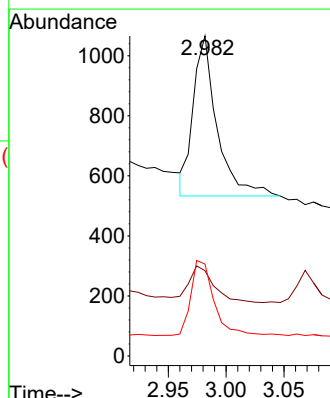
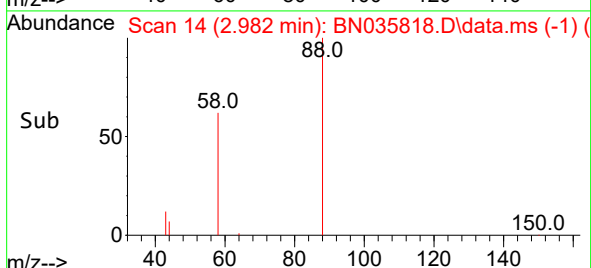
Tgt Ion:152 Resp: 3045
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.0 186.0
 115 62.5 49.6 74.4

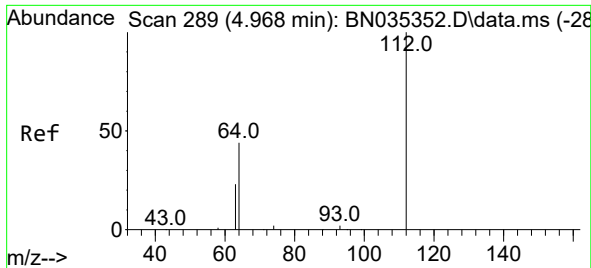


#2
 1,4-Dioxane
 Concen: 0.261 ng
 RT: 2.982 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08



Tgt Ion: 88 Resp: 761
 Ion Ratio Lower Upper
 88 100
 43 24.3 17.2 25.8
 58 45.9 44.5 66.7

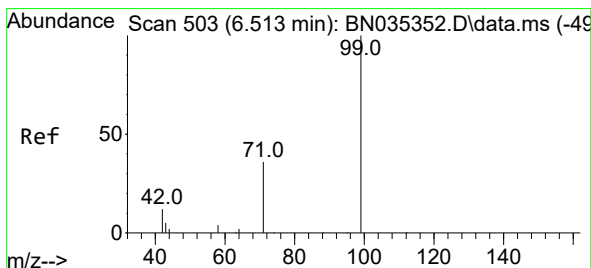
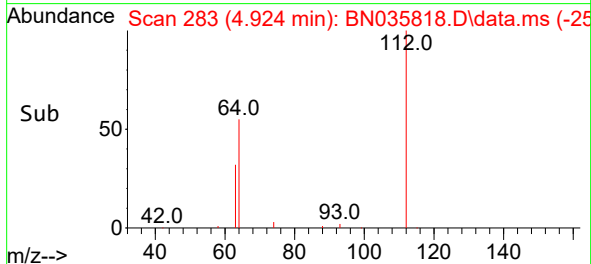
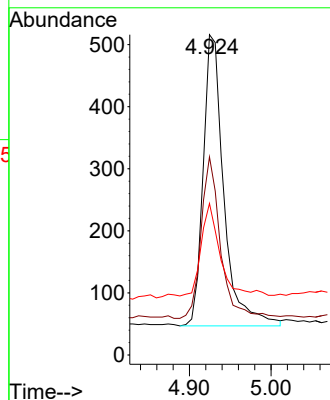
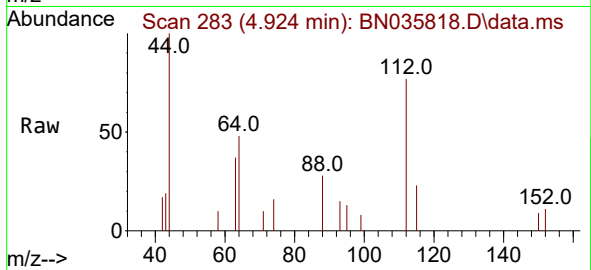




#4
2-Fluorophenol
Concen: 0.109 ng
RT: 4.924 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

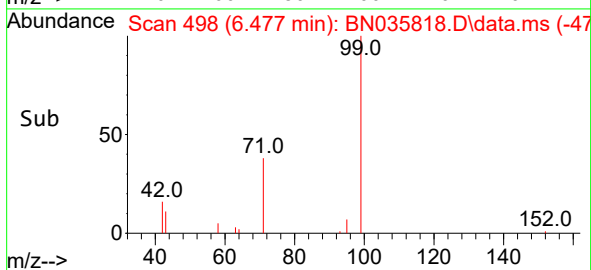
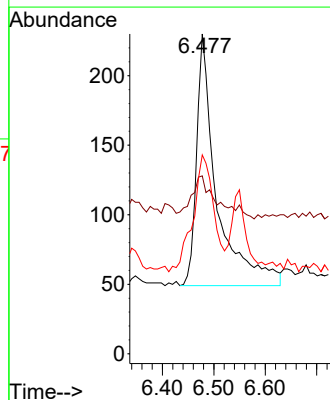
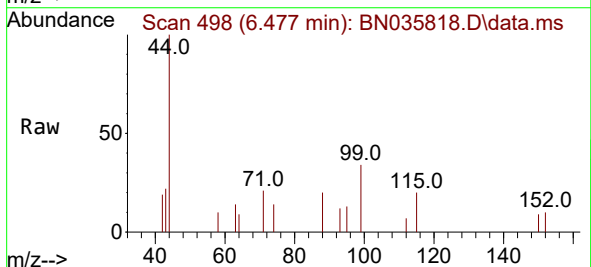
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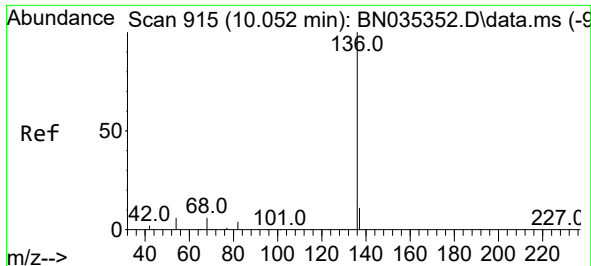
Tgt Ion:	112	Resp:	828
Ion	Ratio	Lower	Upper
112	100		
64	52.1	39.8	59.8
63	31.0	21.0	31.6



#5
Phenol-d6
Concen: 0.054 ng
RT: 6.477 min Scan# 498
Delta R.T. -0.014 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:	99	Resp:	491
Ion	Ratio	Lower	Upper
99	100		
42	23.8	11.4	17.2#
71	47.9	29.3	43.9#

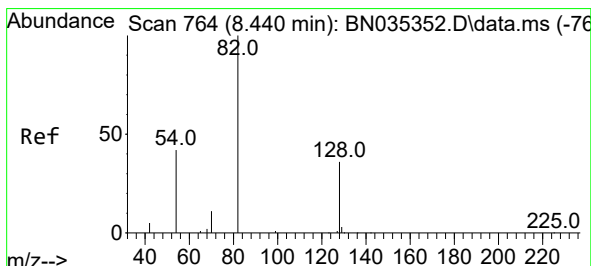
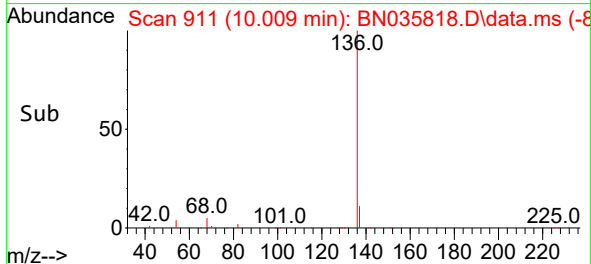
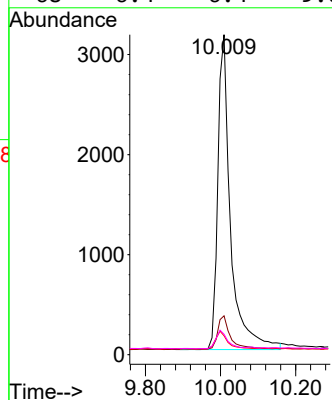
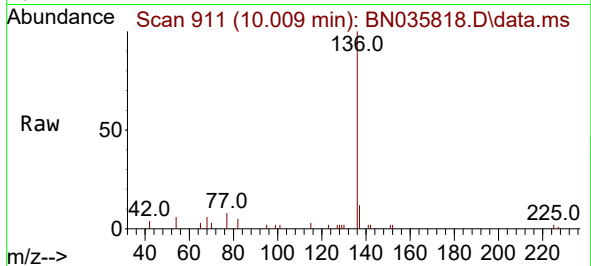




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.009 min Scan# 915
Delta R.T. -0.011 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

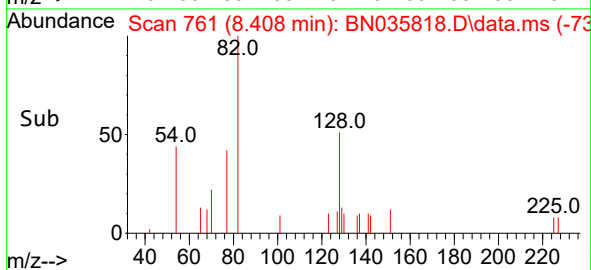
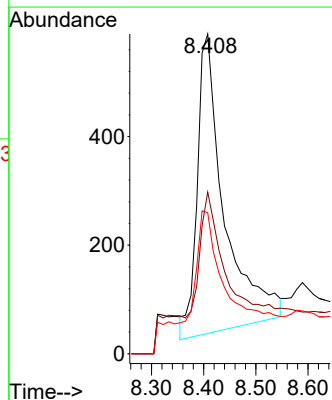
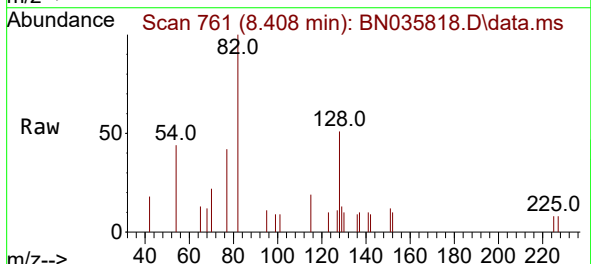
Instrument :
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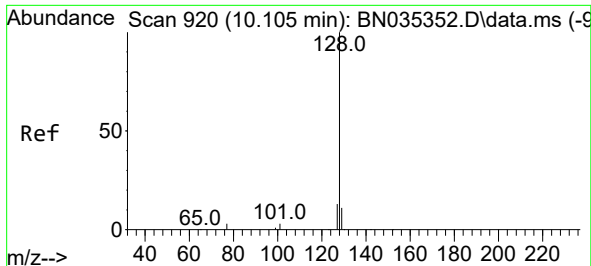
Tgt Ion:	136	Resp:	7417
Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.2	15.2
54	5.9	6.1	9.1#
68	6.4	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.439 ng
RT: 8.408 min Scan# 761
Delta R.T. -0.000 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:	82	Resp:	1989
Ion	Ratio	Lower	Upper
82	100		
128	50.6	33.4	50.0#
54	44.1	36.7	55.1

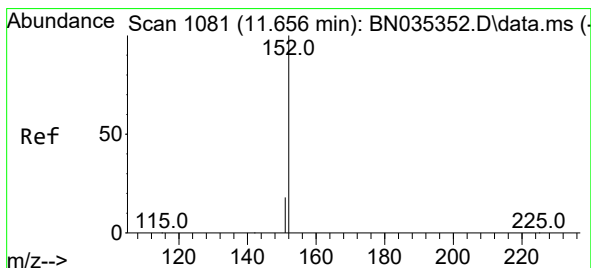
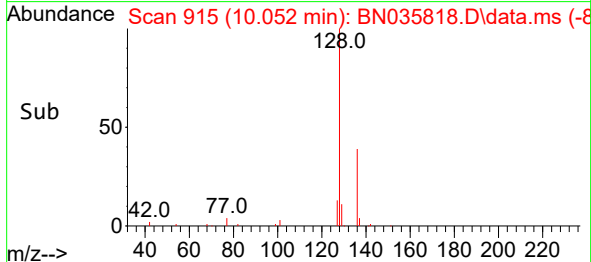
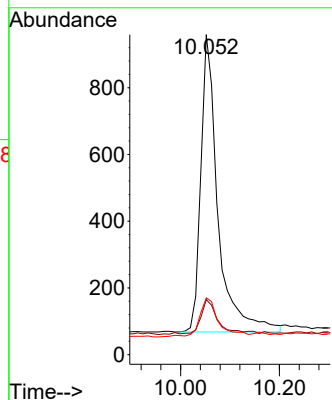
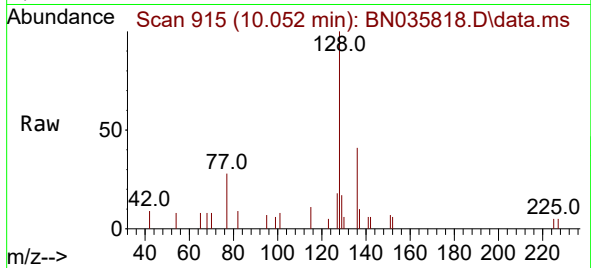




#9
Naphthalene
Concen: 0.109 ng
RT: 10.052 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

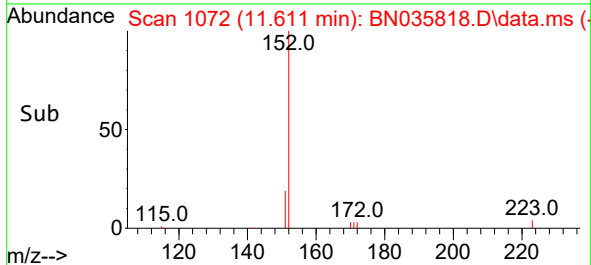
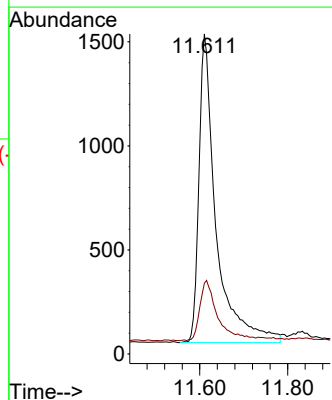
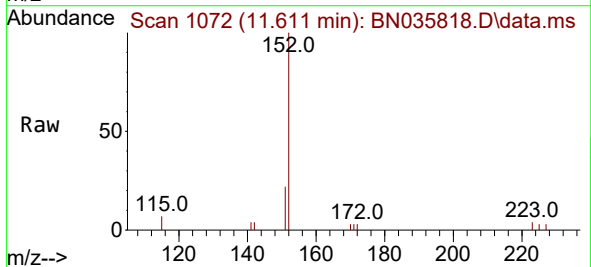
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ClientSampleId :
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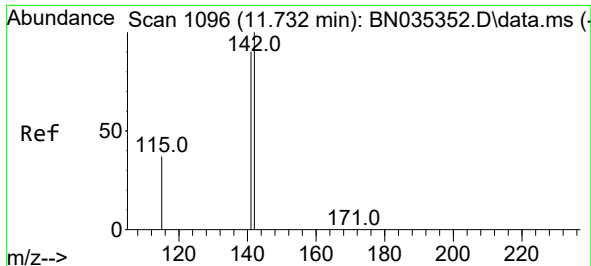
Tgt Ion:128 Resp: 2140
Ion Ratio Lower Upper
128 100
129 17.2 9.8 14.6#
127 17.7 11.4 17.2#



#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 11.611 min Scan# 1072
Delta R.T. -0.010 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:152 Resp: 4011
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0

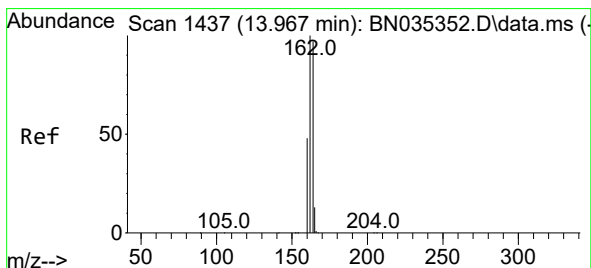
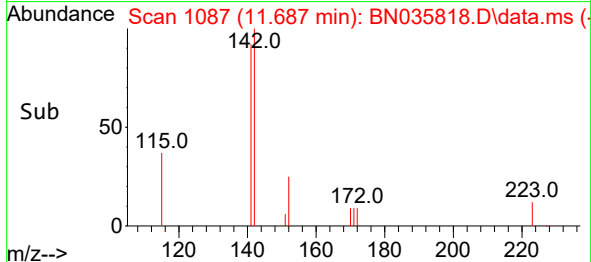
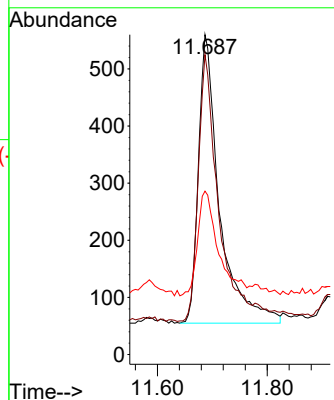
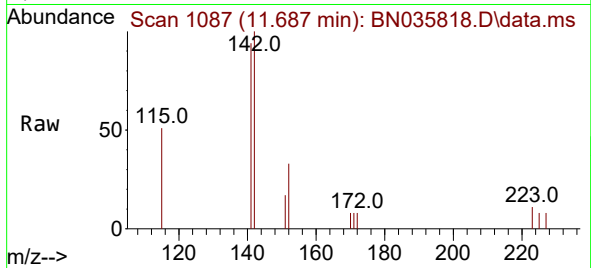




#12
2-Methylnaphthalene
Concen: 0.096 ng
RT: 11.687 min Scan# 1096
Delta R.T. -0.010 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

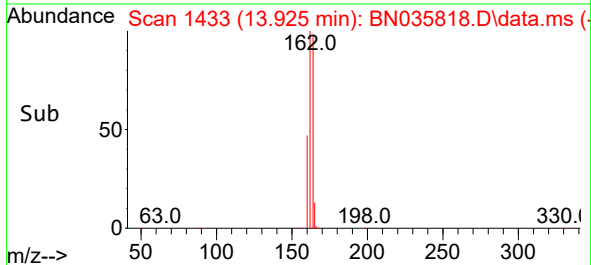
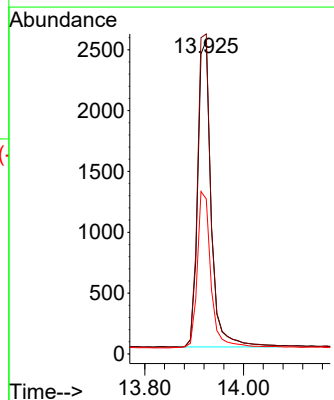
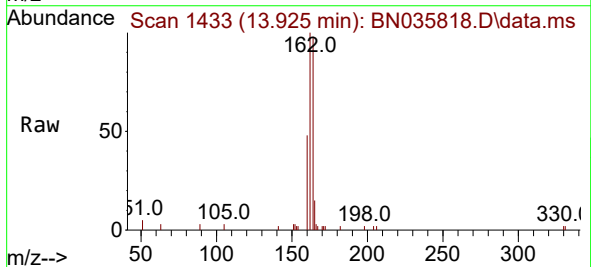
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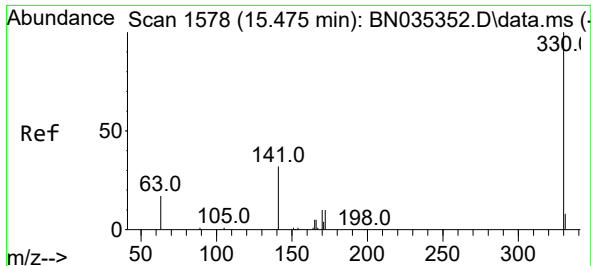
Tgt Ion:142 Resp: 1347
Ion Ratio Lower Upper
142 100
141 93.8 72.2 108.4
115 51.1 31.4 47.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.925 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:164 Resp: 4769
Ion Ratio Lower Upper
164 100
162 102.0 82.2 123.2
160 49.4 40.1 60.1

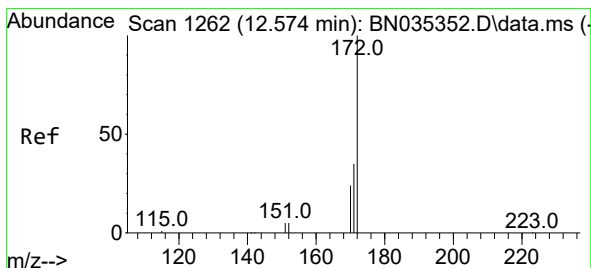
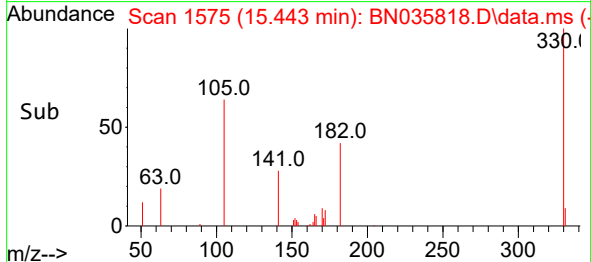
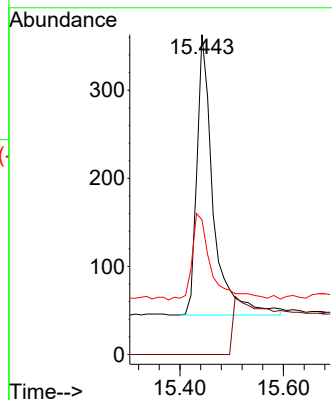
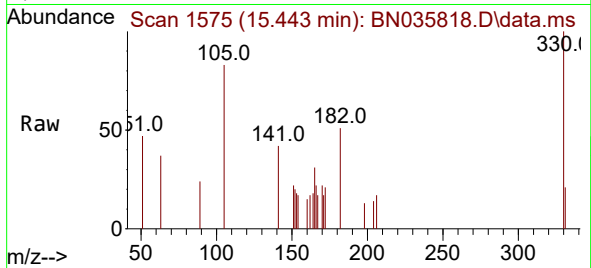




#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.443 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

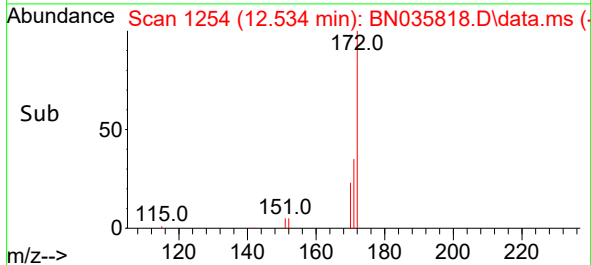
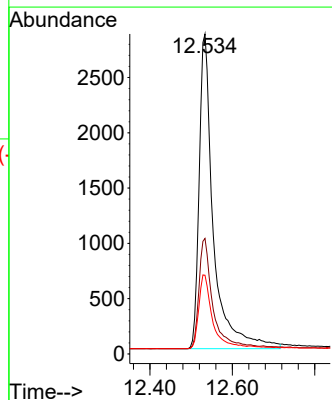
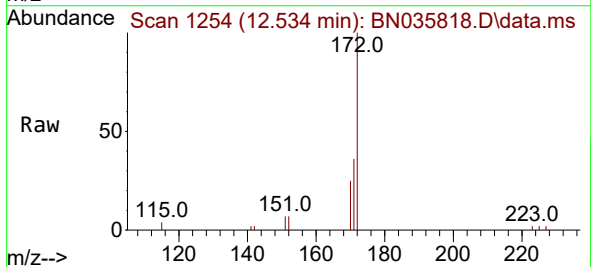
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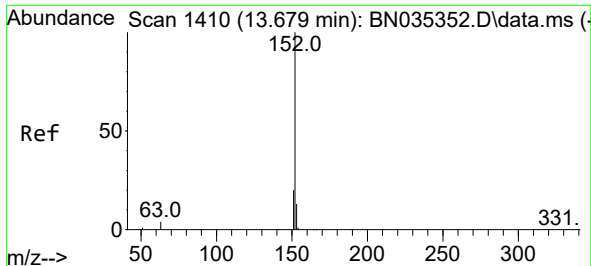
Tgt Ion:330 Resp: 736
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.9 26.6 40.0



#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 12.534 min Scan# 1254
Delta R.T. -0.010 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:172 Resp: 6868
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.4
170 24.6 19.8 29.8

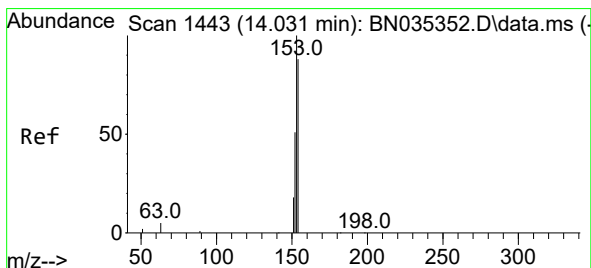
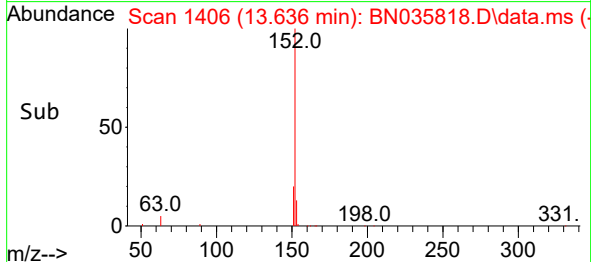
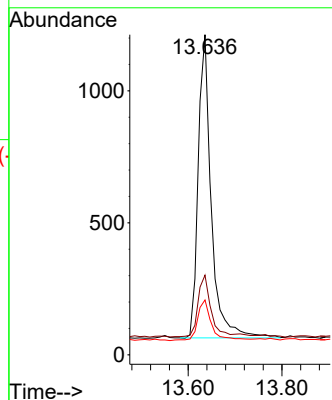
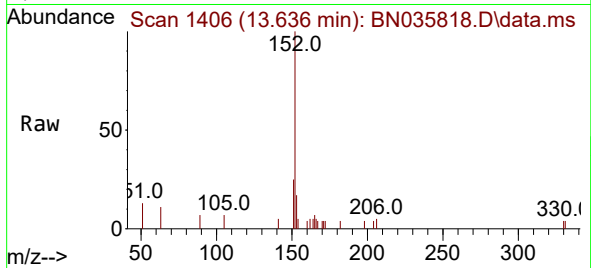




#16
Acenaphthylene
Concen: 0.111 ng
RT: 13.636 min Scan# 1410
Delta R.T. -0.011 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

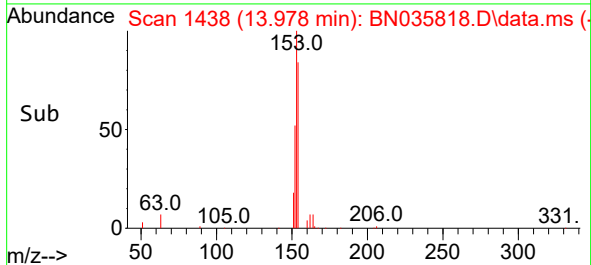
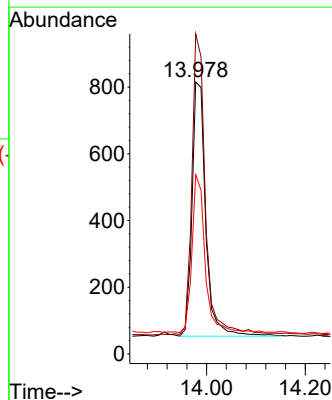
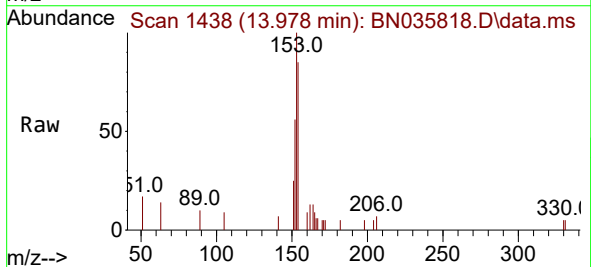
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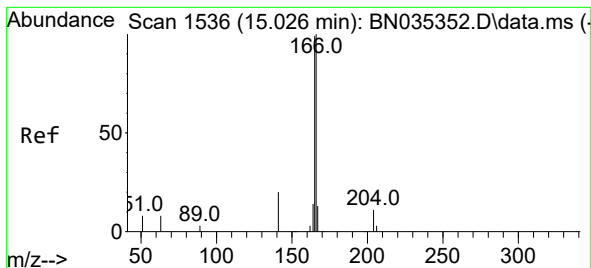
Tgt Ion:152 Resp: 2222
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 14.4 10.4 15.6



#17
Acenaphthene
Concen: 0.110 ng
RT: 13.978 min Scan# 1438
Delta R.T. -0.021 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:154 Resp: 1464
Ion Ratio Lower Upper
154 100
153 116.3 92.6 139.0
152 58.9 49.0 73.6





#18

Fluorene

Concen: 0.106 ng

RT: 14.994 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

Instrument :

BNA_N

ClientSampleId :

DUP-07-20241218

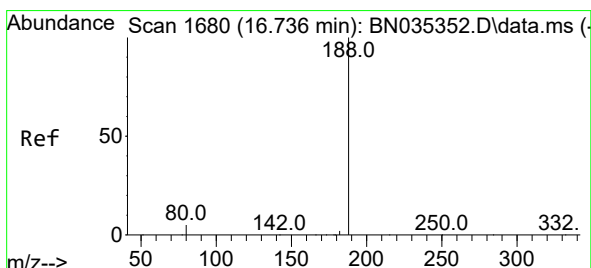
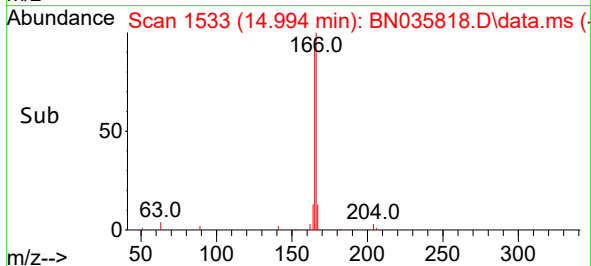
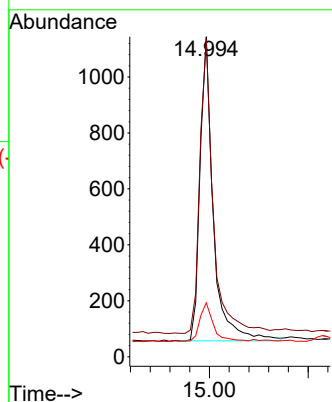
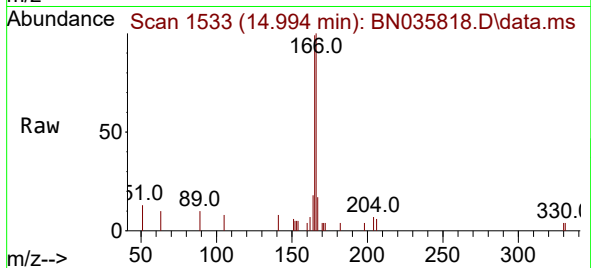
Tgt Ion:166 Resp: 2023

Ion Ratio Lower Upper

166 100

165 98.2 79.7 119.5

167 13.4 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: BN035818.D

Acq: 24 Dec 2024 13:08

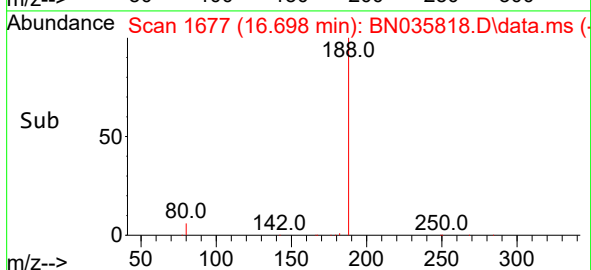
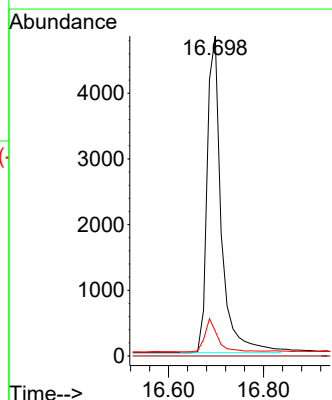
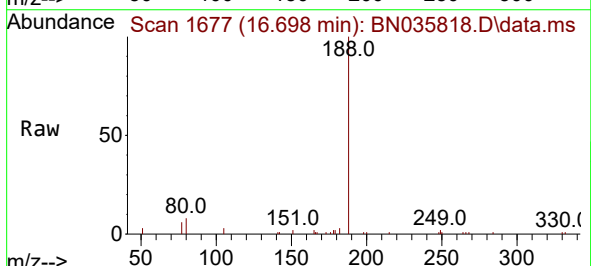
Tgt Ion:188 Resp: 10054

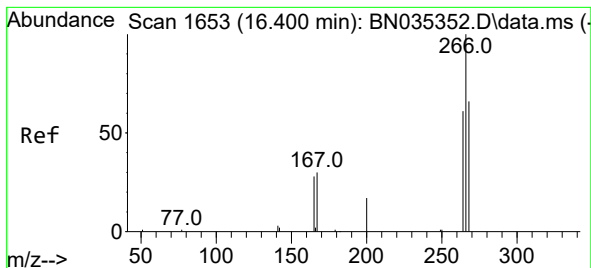
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.7 4.6 6.8#





#24

Pentachlorophenol

Concen: 0.021 ng

RT: 16.363 min Scan# 1650

Delta R.T. -0.012 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

Instrument :

BNA_N

ClientSampleId :

DUP-07-20241218

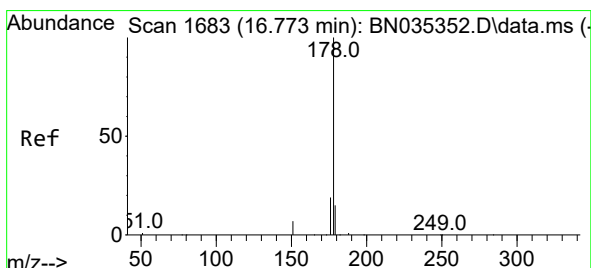
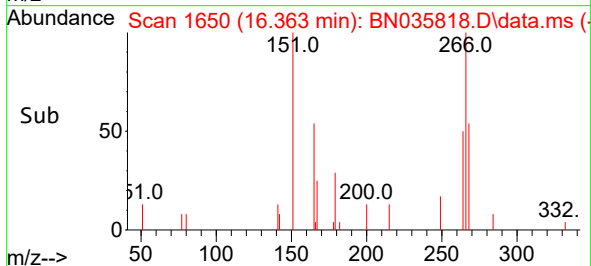
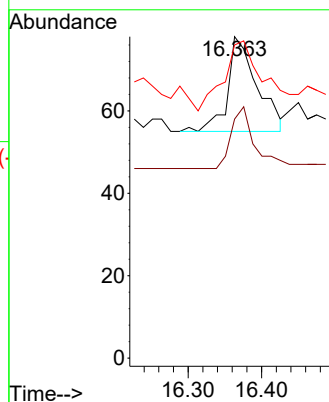
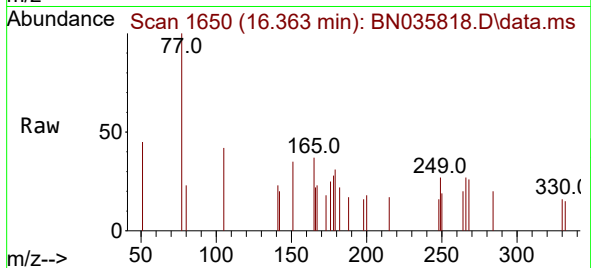
Tgt Ion:266 Resp: 64

Ion Ratio Lower Upper

266 100

264 53.1 42.3 63.5

268 98.4 43.3 64.9#



#25

Phenanthrene

Concen: 0.145 ng

RT: 16.736 min Scan# 1680

Delta R.T. -0.012 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

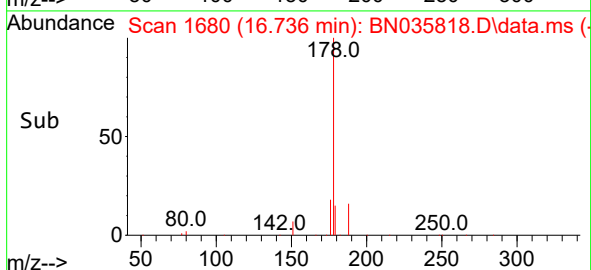
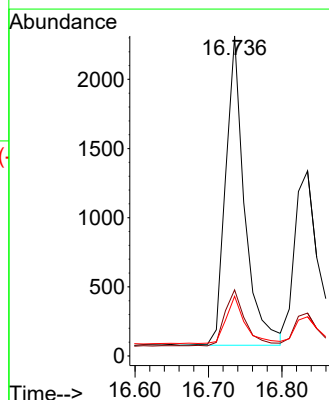
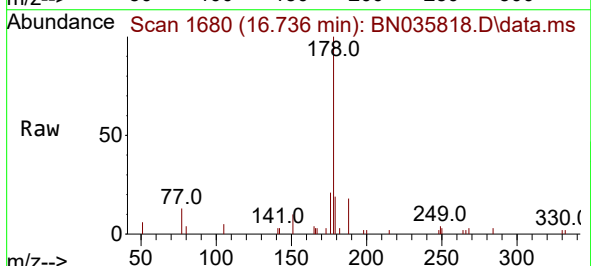
Tgt Ion:178 Resp: 3999

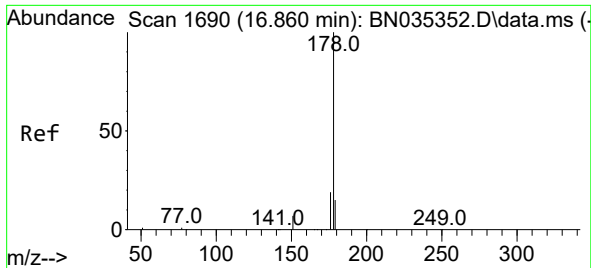
Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

179 16.2 12.3 18.5

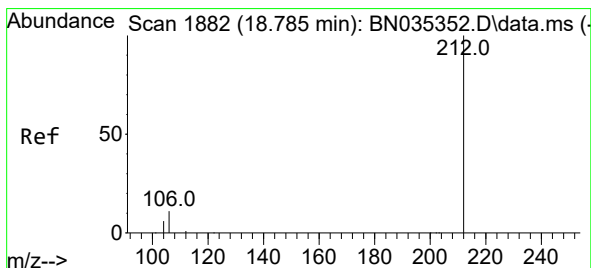
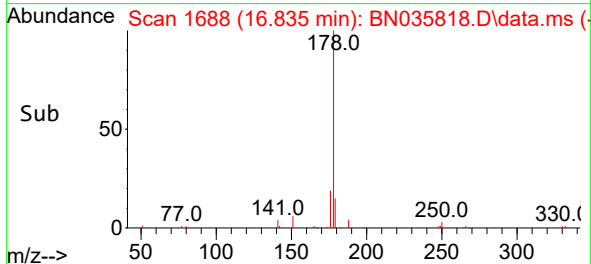
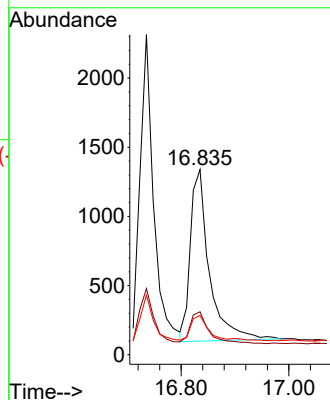
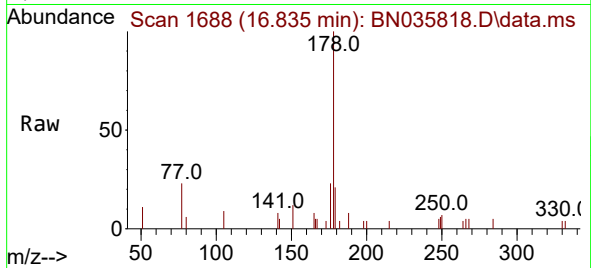




#26
Anthracene
Concen: 0.122 ng
RT: 16.835 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

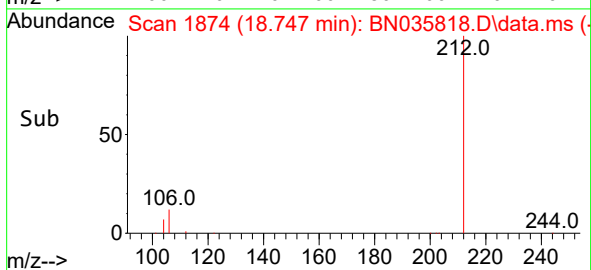
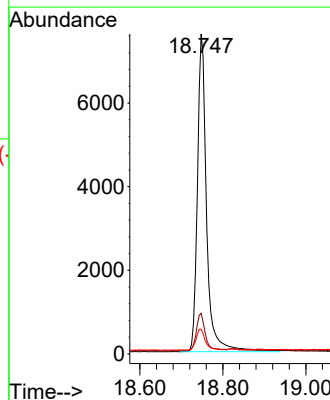
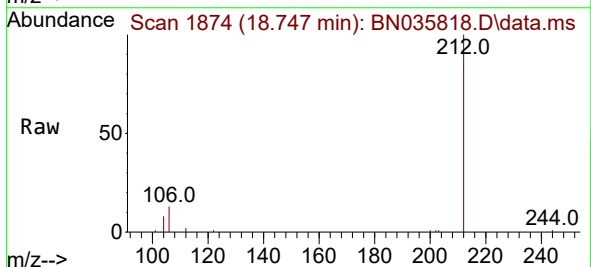
Instrument :
BNA_N
ClientSampleId :
DUP-07-20241218

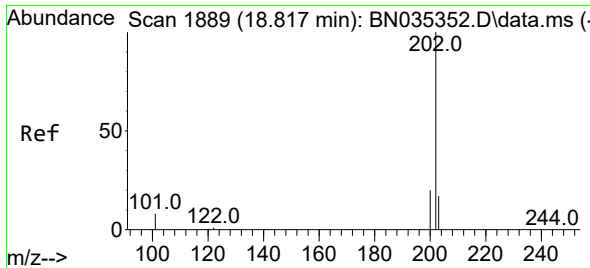
Tgt Ion:178 Resp: 3041
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.2 12.6 18.8



#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 18.747 min Scan# 1874
Delta R.T. -0.014 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:212 Resp: 11709
Ion Ratio Lower Upper
212 100
106 11.3 9.2 13.8
104 6.8 5.3 7.9

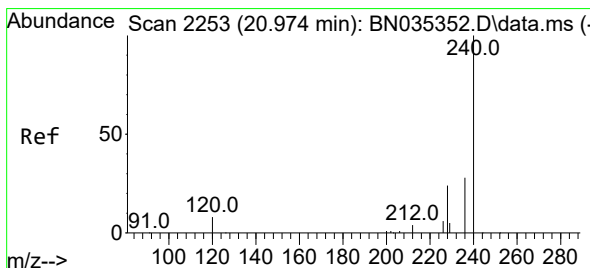
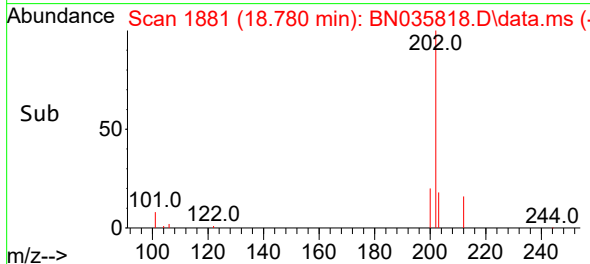
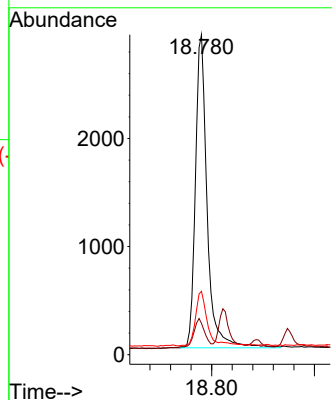
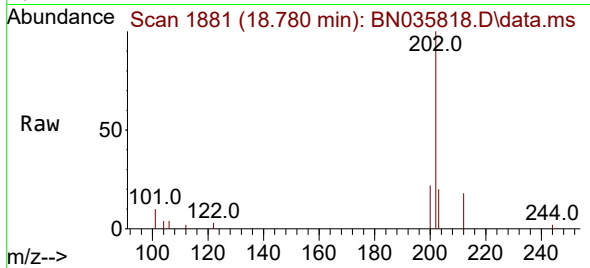




#28
Fluoranthene
Concen: 0.124 ng
RT: 18.780 min Scan# 1881
Delta R.T. -0.009 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

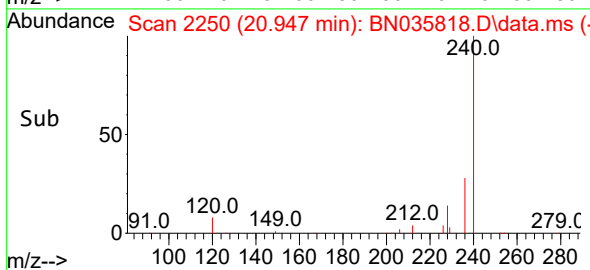
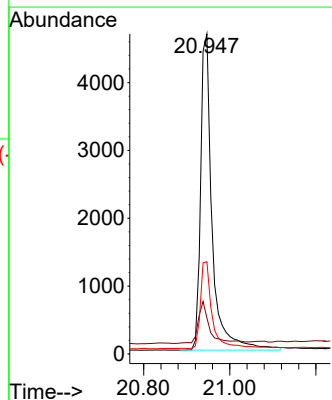
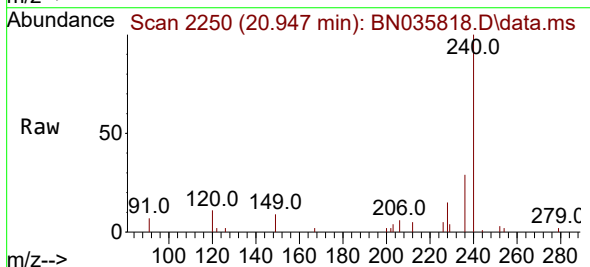
Instrument :
BNA_N
ClientSampleId :
DUP-07-20241218

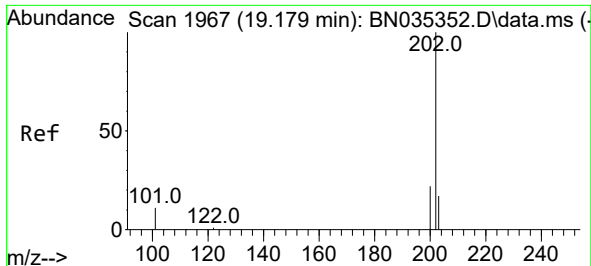
Tgt Ion:202 Resp: 4605
Ion Ratio Lower Upper
202 100
101 9.4 7.4 11.0
203 18.0 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 20.947 min Scan# 2250
Delta R.T. -0.009 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:240 Resp: 8730
Ion Ratio Lower Upper
240 100
120 11.3 7.9 11.9
236 28.8 22.9 34.3

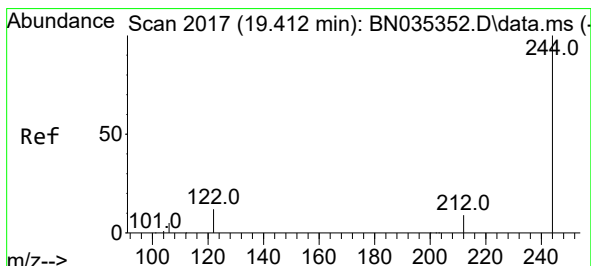
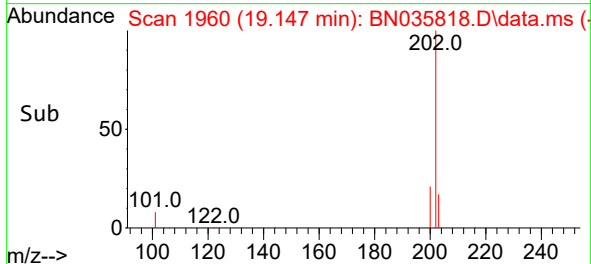
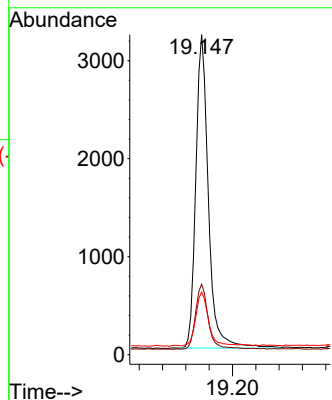
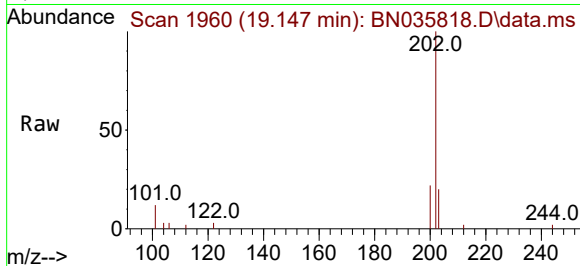




#30
 Pyrene
 Concen: 0.148 ng
 RT: 19.147 min Scan# 1960
 Delta R.T. -0.014 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

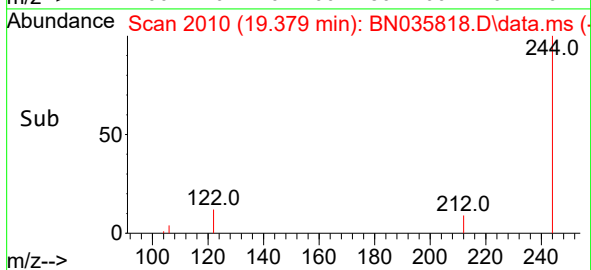
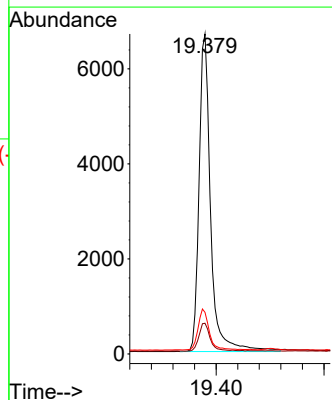
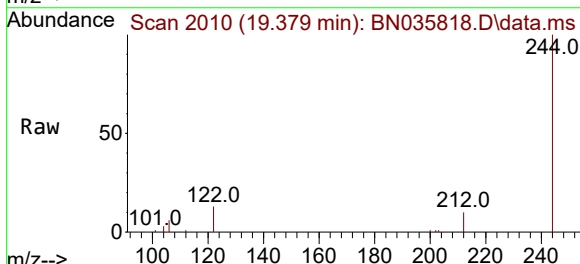
Instrument :
 BNA_N
 ClientSampleId :
 DUP-07-20241218

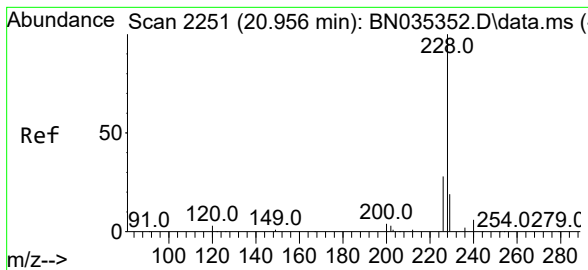
Tgt Ion:	202	Resp:	4782
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.4
203	17.1	14.3	21.5



#31
 Terphenyl-d14
 Concen: 0.577 ng
 RT: 19.379 min Scan# 2010
 Delta R.T. -0.009 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

Tgt Ion:	244	Resp:	9932
Ion Ratio	Lower	Upper	
244	100		
212	9.6	8.1	12.1
122	13.0	10.3	15.5





#32

Benzo(a)anthracene

Concen: 0.105 ng

RT: 20.929 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

Instrument :

BNA_N

ClientSampleId :

DUP-07-20241218

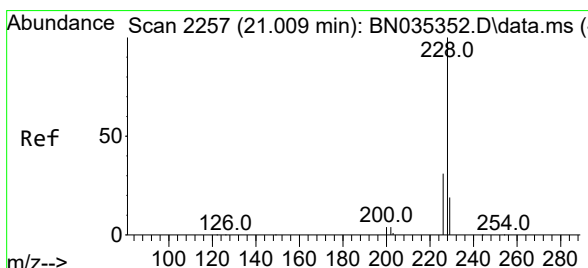
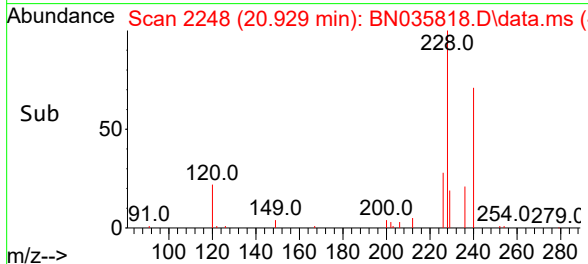
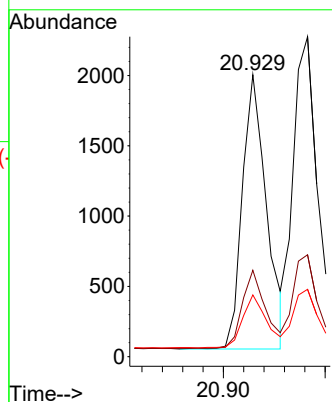
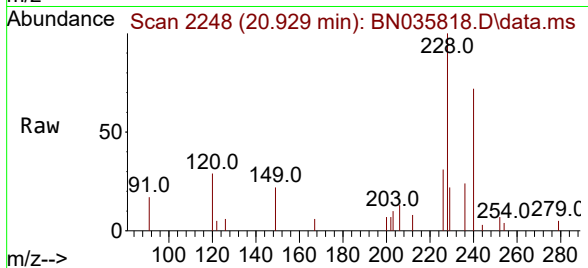
Tgt Ion:228 Resp: 3217

Ion Ratio Lower Upper

228 100

226 30.7 22.5 33.7

229 21.9 15.8 23.8



#33

Chrysene

Concen: 0.132 ng

RT: 20.983 min Scan# 2254

Delta R.T. -0.009 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

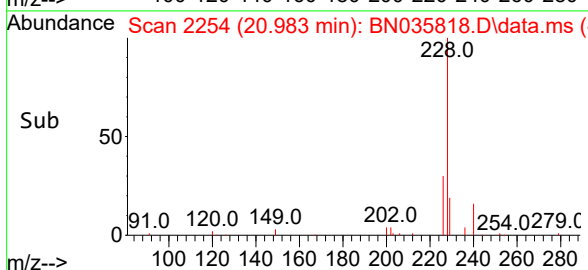
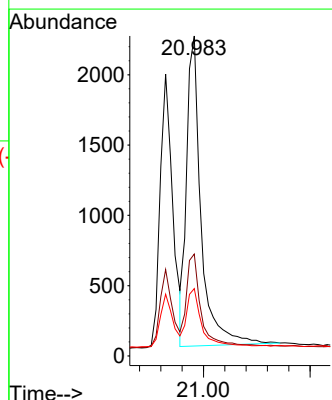
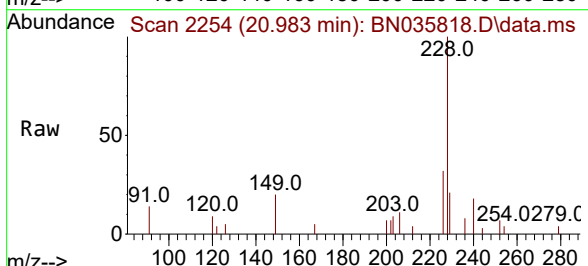
Tgt Ion:228 Resp: 4153

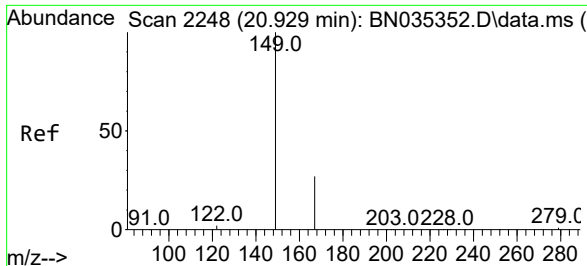
Ion Ratio Lower Upper

228 100

226 31.9 24.6 37.0

229 21.0 15.9 23.9

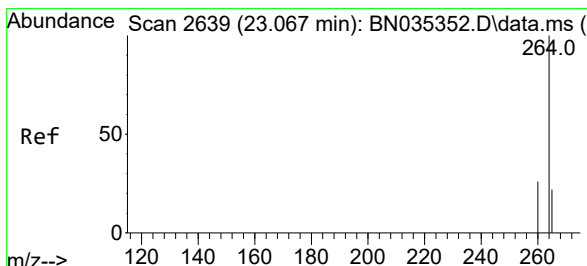
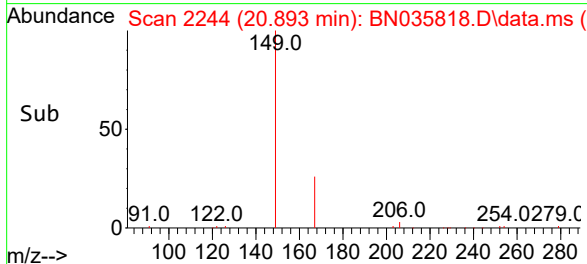
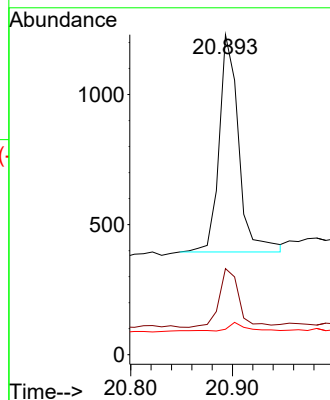
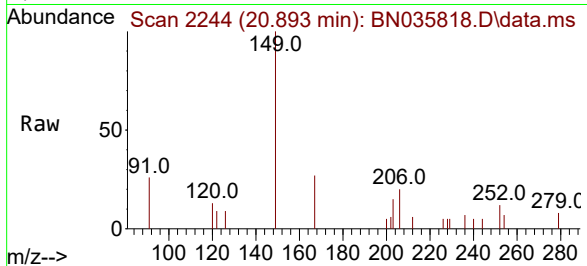




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.092 ng
 RT: 20.893 min Scan# 2111
 Delta R.T. -0.018 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

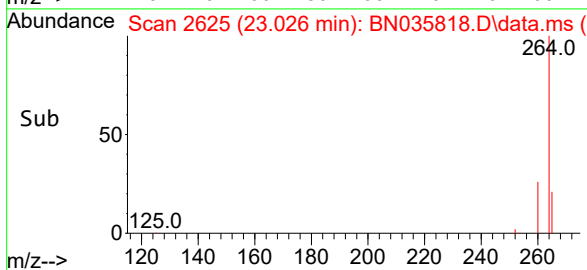
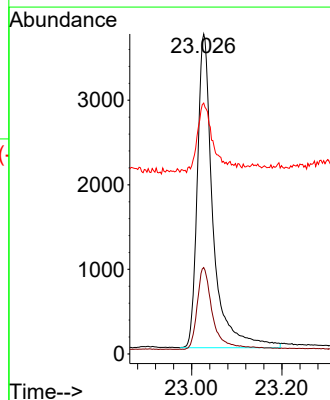
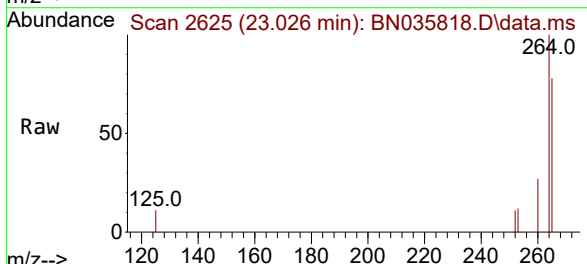
Instrument :
 BNA_N
 ClientSampleId :
 DUP-07-20241218

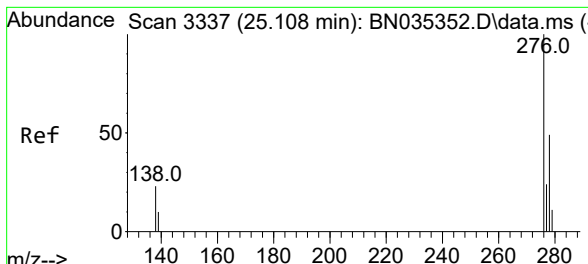
Tgt Ion:149 Resp: 1111
 Ion Ratio Lower Upper
 149 100
 167 27.5 22.2 33.4
 279 3.2 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.026 min Scan# 2625
 Delta R.T. -0.015 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

Tgt Ion:264 Resp: 8948
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.4 32.2
 265 78.4 40.2 60.4#

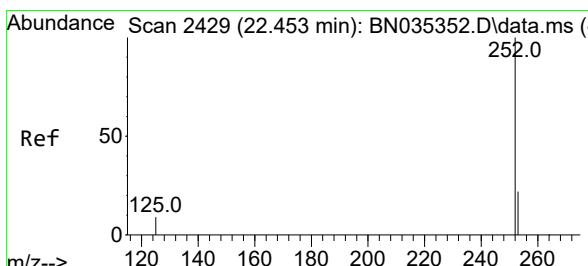
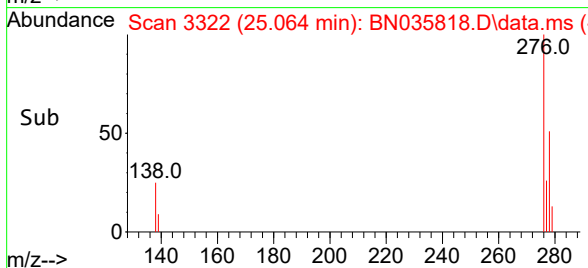
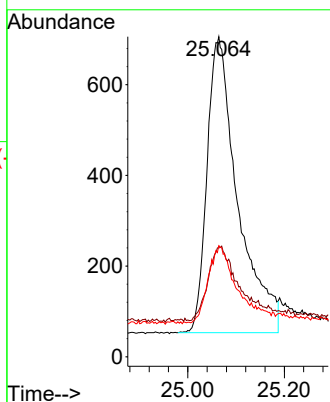
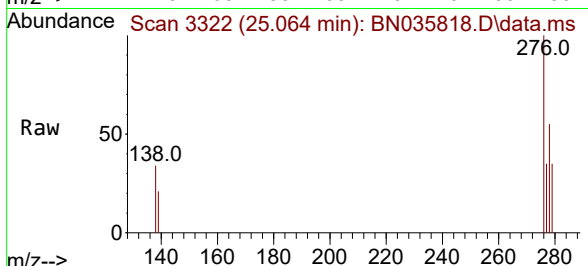




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.082 ng
 RT: 25.064 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

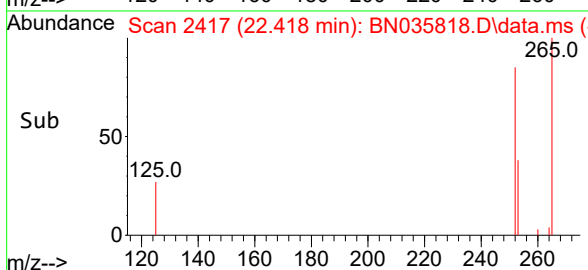
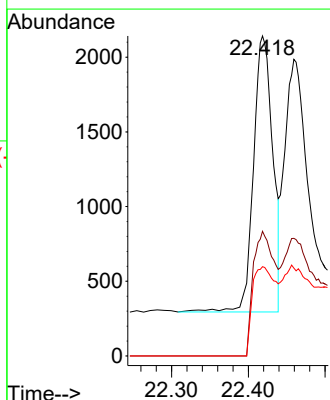
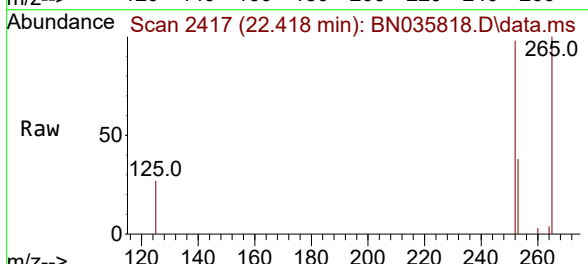
Instrument :
 BNA_N
 ClientSampleId :
 DUP-07-20241218

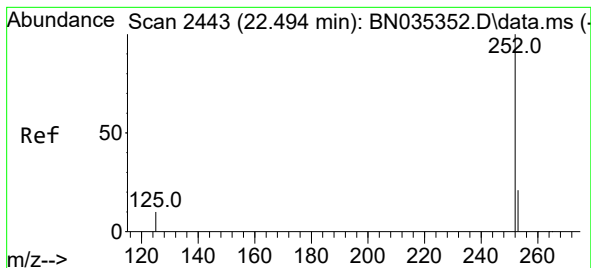
Tgt Ion:	276	Resp:	2885
Ion Ratio	Lower	Upper	
276	100		
138	24.9	19.4	29.0
277	22.5	19.8	29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.180 ng
 RT: 22.418 min Scan# 2417
 Delta R.T. -0.012 min
 Lab File: BN035818.D
 Acq: 24 Dec 2024 13:08

Tgt Ion:	252	Resp:	5898
Ion Ratio	Lower	Upper	
252	100		
253	38.9	19.6	29.4#
125	27.9	9.6	14.4#





#38

Benzo(k)fluoranthene

Concen: 0.113 ng

RT: 22.459 min Scan# 2431

Delta R.T. -0.012 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

Instrument :

BNA_N

ClientSampleId :

DUP-07-20241218

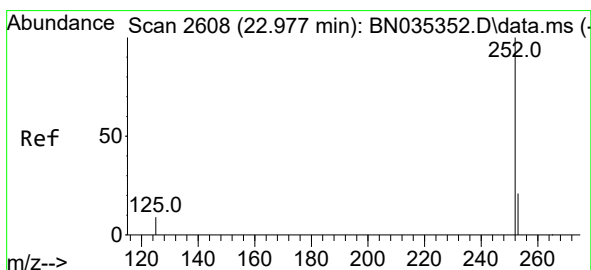
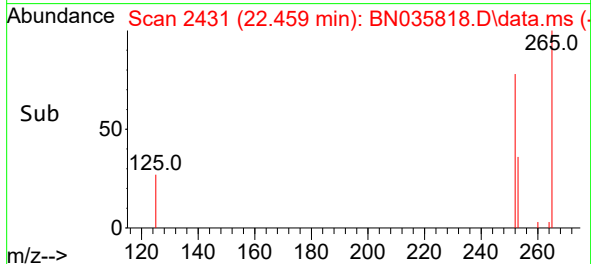
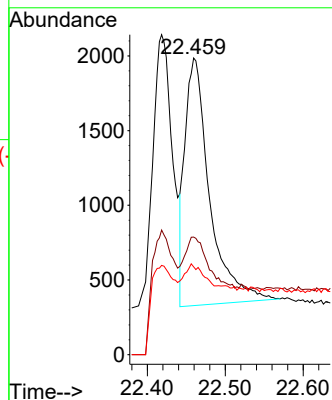
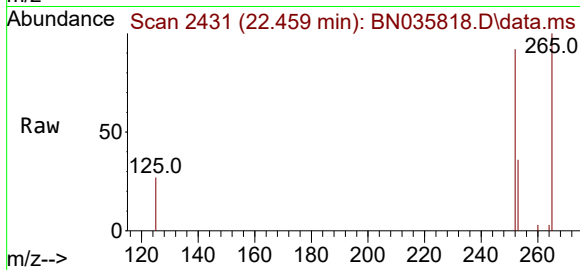
Tgt Ion:252 Resp: 3643

Ion Ratio Lower Upper

252 100

253 39.6 19.5 29.3#

125 29.6 10.2 15.4#



#39

Benzo(a)pyrene

Concen: 0.100 ng

RT: 22.942 min Scan# 2596

Delta R.T. -0.009 min

Lab File: BN035818.D

Acq: 24 Dec 2024 13:08

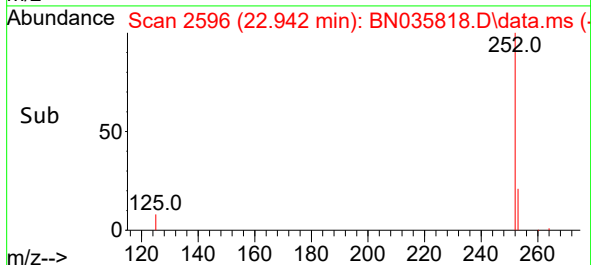
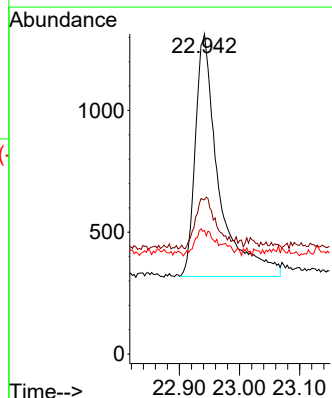
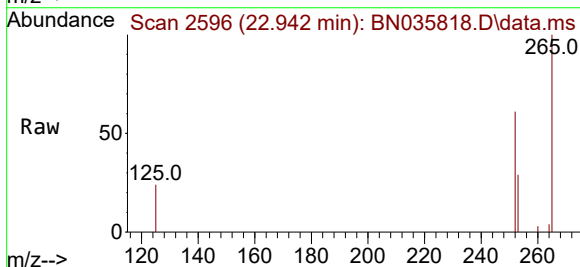
Tgt Ion:252 Resp: 2686

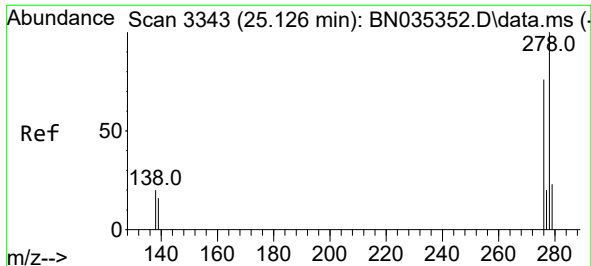
Ion Ratio Lower Upper

252 100

253 48.2 20.2 30.4#

125 38.6 10.9 16.3#

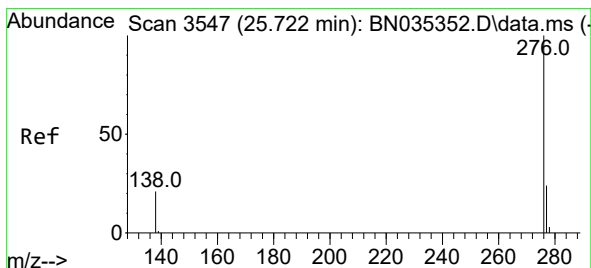
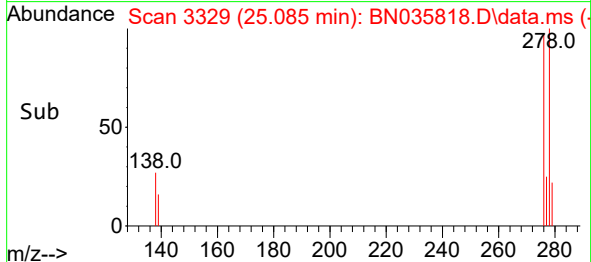
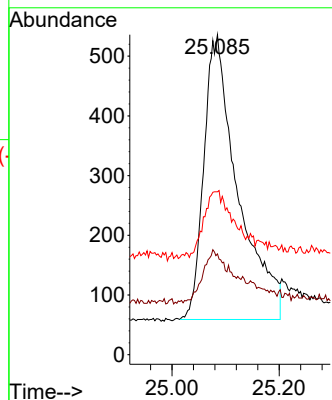
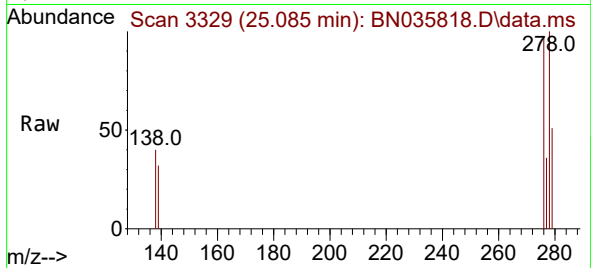




#40
Dibenzo(a,h)anthracene
Concen: 0.076 ng
RT: 25.085 min Scan# 31
Delta R.T. 0.003 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Instrument :
BNA_N
ClientSampleId :
DUP-07-20241218

Tgt Ion:278 Resp: 2103
Ion Ratio Lower Upper
278 100
139 31.5 14.2 21.4#
279 50.9 20.5 30.7#



#41
Benzo(g,h,i)perylene
Concen: 0.087 ng
RT: 25.667 min Scan# 3528
Delta R.T. -0.012 min
Lab File: BN035818.D
Acq: 24 Dec 2024 13:08

Tgt Ion:276 Resp: 2516
Ion Ratio Lower Upper
276 100
277 32.5 19.9 29.9#
138 31.1 17.8 26.8#

