

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041224\
 Data File : BN030874.D
 Acq On : 12 Apr 2024 23:23
 Operator : MA/JU
 Sample : P1908-03DL 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

Quant Time: Apr 13 00:34:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 12 15:55:57 2024
 Response via : Initial Calibration

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

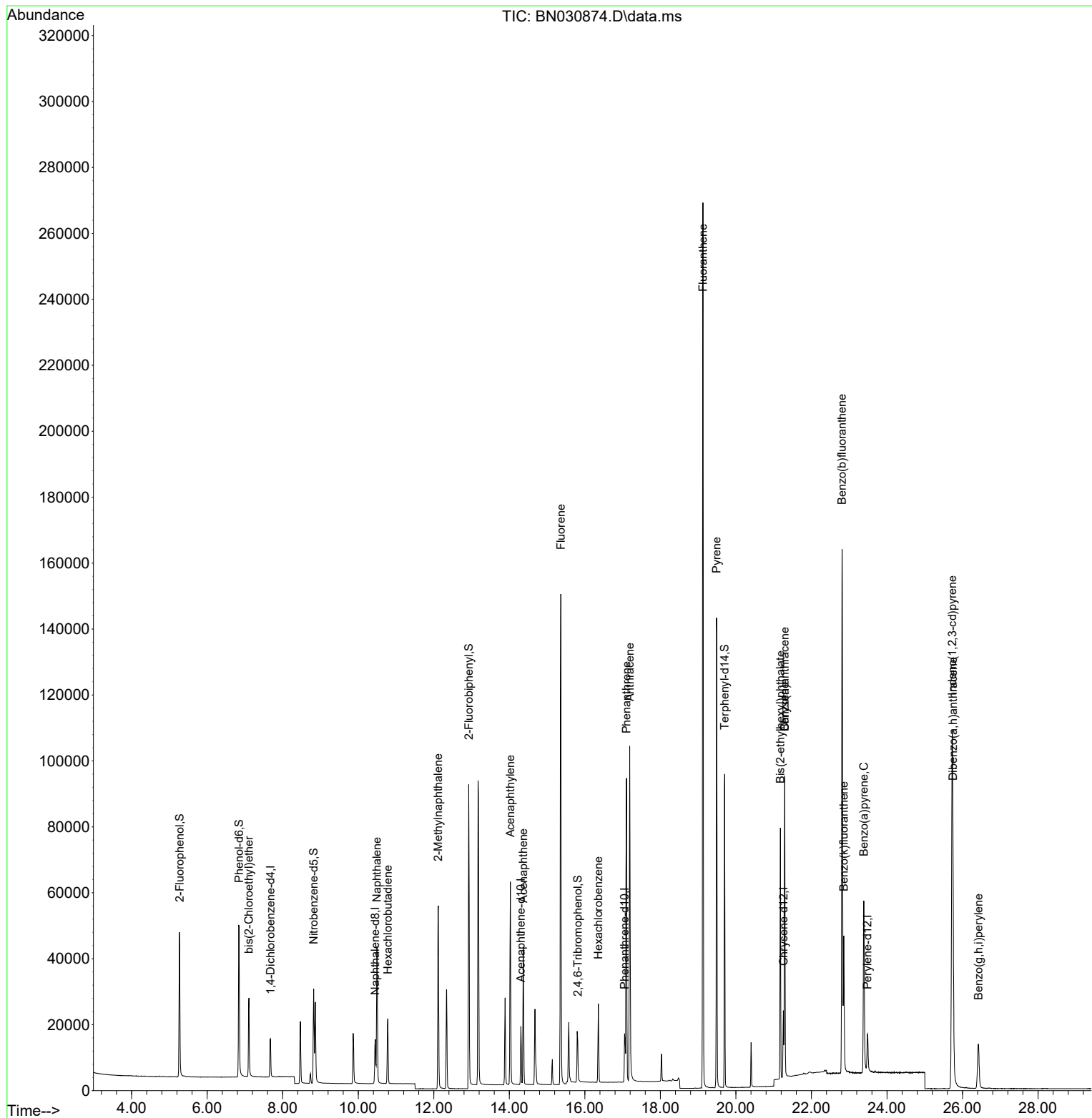
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	6225	0.400	ng	0.00
7) Naphthalene-d8	10.453	136	18576	0.400	ng	0.00
13) Acenaphthene-d10	14.306	164	10025	0.400	ng	0.00
19) Phenanthrene-d10	17.053	188	22103	0.400	ng	#-0.01
29) Chrysene-d12	21.258	240	18841	0.400	ng	# 0.00
35) Perylene-d12	23.486	264	16129	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.270	112	38027	2.547	ng	0.00
5) Phenol-d6	6.844	99	47895	2.648	ng	0.00
8) Nitrobenzene-d5	8.819	82	22843	1.722	ng	0.00
11) 2-Methylnaphthalene-d10	12.039	152	3	0.000	ng	0.00
14) 2,4,6-Tribromophenol	15.811	330	9051	2.229	ng	0.00
15) 2-Fluorobiphenyl	12.926	172	65581	1.846	ng	0.00
27) Fluoranthene-d10	19.089	212	6	0.000	ng	0.00
31) Terphenyl-d14	19.702	244	88014	2.055	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.104	93	18429	1.091	ng	97
9) Naphthalene	10.496	128	54787	1.066	ng	99
10) Hexachlorobutadiene	10.784	225	16745	1.632	ng	# 99
12) 2-Methylnaphthalene	12.119	142	40781	1.213	ng	98
16) Acenaphthylene	14.028	152	65320	1.491	ng	100
17) Acenaphthene	14.370	154	19567	0.632	ng	99
18) Fluorene	15.364	166	94310	2.318	ng	100
22) Hexachlorobenzene	16.358	284	17048	1.124	ng	99
25) Phenanthrene	17.102	178	94721	1.464	ng	100
26) Anthracene	17.189	178	103684	1.918	ng	100
28) Fluoranthene	19.126	202	232571	2.905	ng	99
30) Pyrene	19.488	202	125544	1.772	ng	100
32) Benzo(a)anthracene	21.294	228	73363	1.123	ng	97
33) Chrysene	21.294	228	74803	1.069	ng	98
34) Bis(2-ethylhexyl)phtha...	21.178	149	63294	2.221	ng	99
36) Indeno(1,2,3-cd)pyrene	25.726	276	181782	2.882	ng	95
37) Benzo(b)fluoranthene	22.811	252	194343	2.721	ng	# 94
38) Benzo(k)fluoranthene	22.858	252	51479	0.764	ng	97
39) Benzo(a)pyrene	23.387	252	75794	1.378	ng	# 90
40) Dibenzo(a,h)anthracene	25.746	278	45722	0.912	ng	97
41) Benzo(g,h,i)perylene	26.422	276	28216	0.520	ng	98

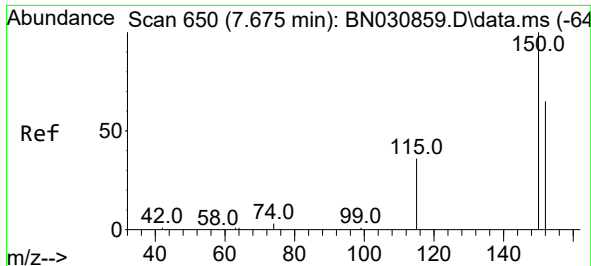
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041224\
Data File : BN030874.D
Acq On : 12 Apr 2024 23:23
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Sample : P1908-03DL 50X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

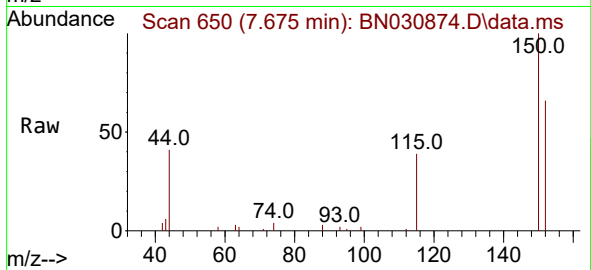
Quant Time: Apr 13 00:34:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 12 15:55:57 2024
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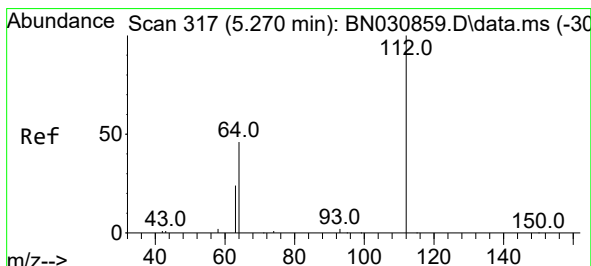
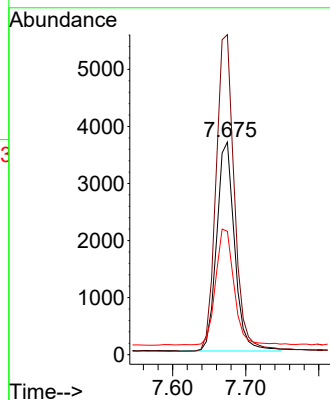
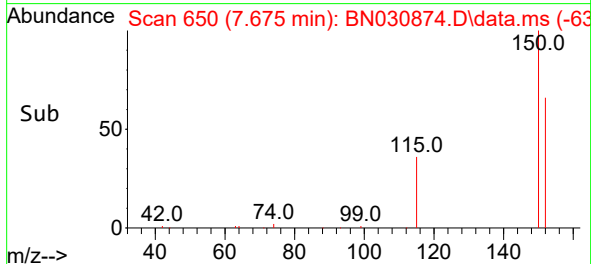


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.675 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

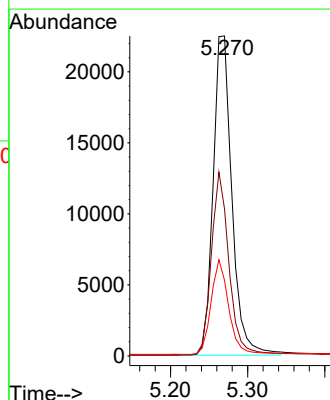
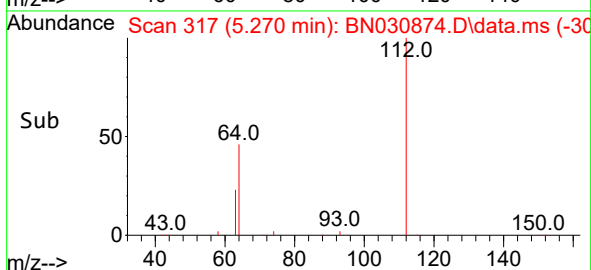
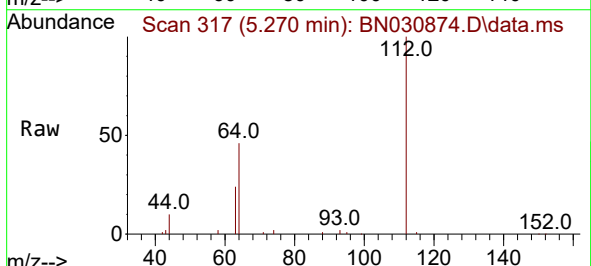


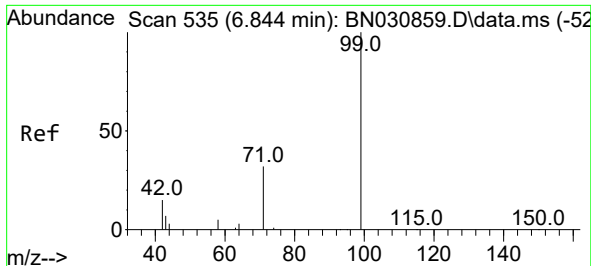
Tgt Ion:152 Resp: 6225
Ion Ratio Lower Upper
152 100
150 150.5 121.6 182.4
115 58.0 46.4 69.6



#4
2-Fluorophenol
Concen: 2.547 ng
RT: 5.270 min Scan# 317
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion:112 Resp: 38027
Ion Ratio Lower Upper
112 100
64 53.4 42.2 63.4
63 27.8 22.1 33.1

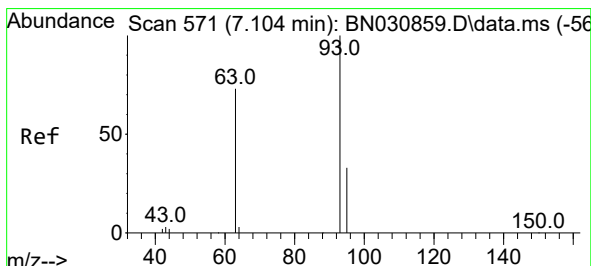
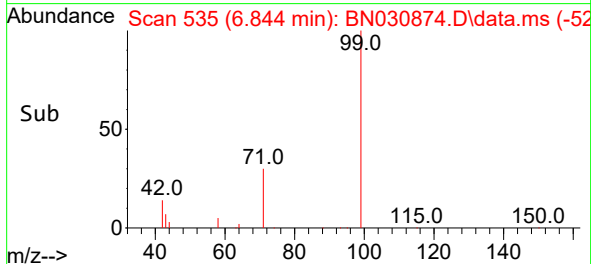
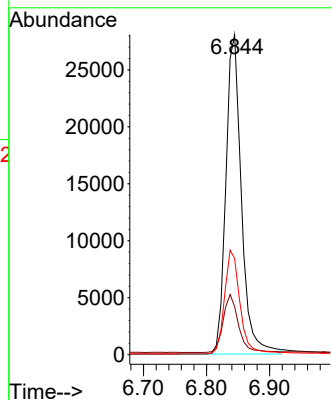
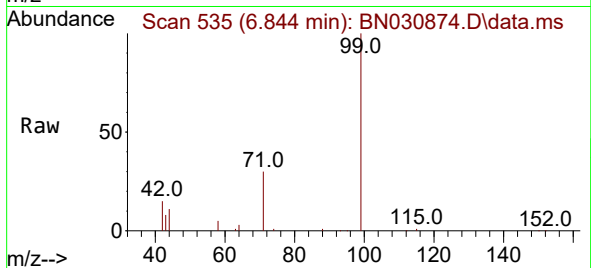




#5
Phenol-d6
Concen: 2.648 ng
RT: 6.844 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

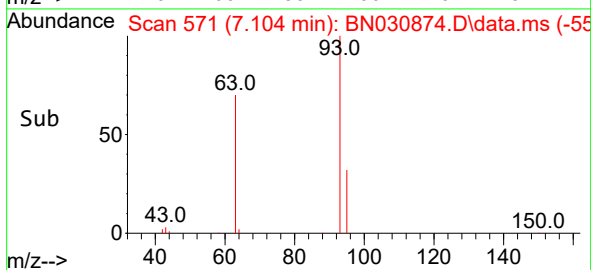
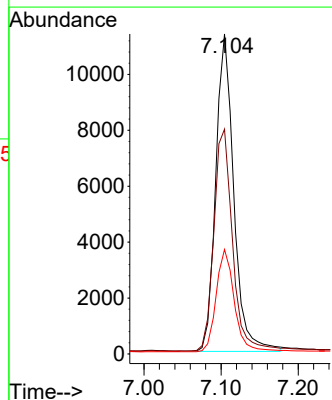
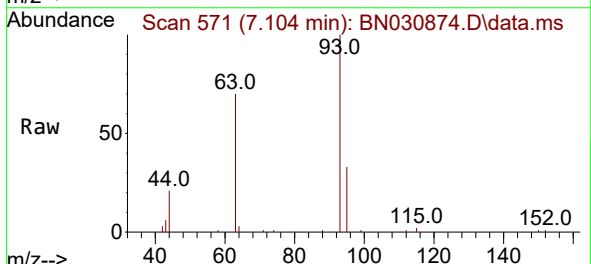
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

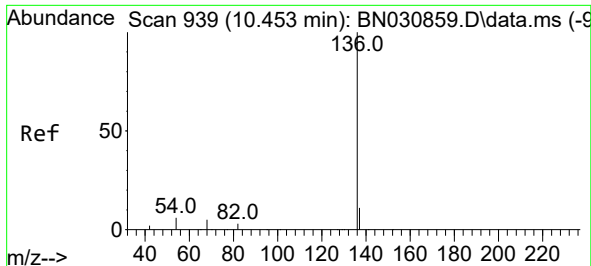
Tgt Ion: 99 Resp: 47895
Ion Ratio Lower Upper
99 100
42 17.9 15.3 22.9
71 32.4 26.4 39.6



#6
bis(2-Chloroethyl)ether
Concen: 1.091 ng
RT: 7.104 min Scan# 571
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion: 93 Resp: 18429
Ion Ratio Lower Upper
93 100
63 72.0 59.7 89.5
95 32.5 27.1 40.7

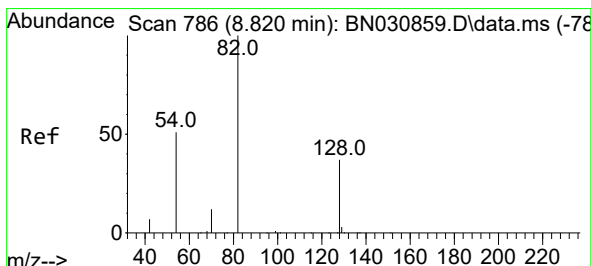
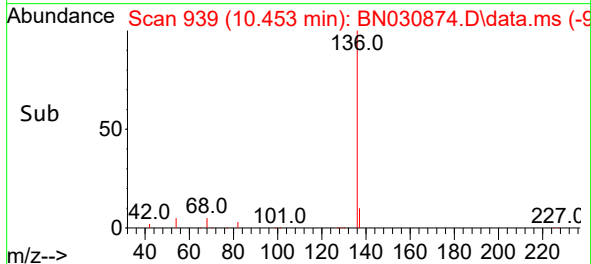
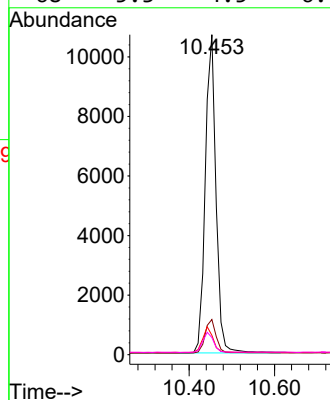
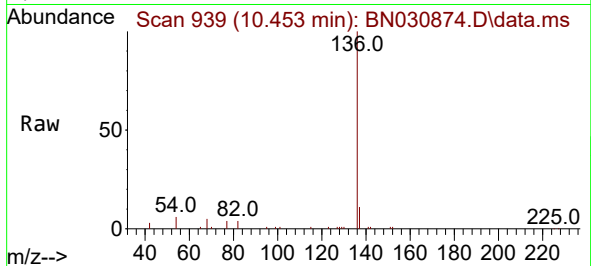




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.453 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

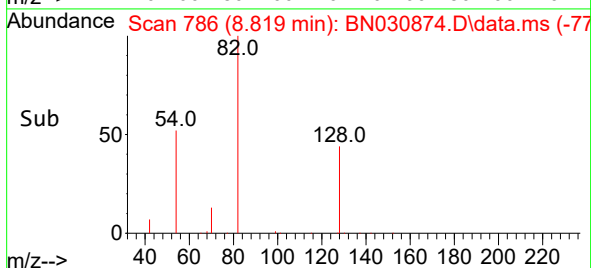
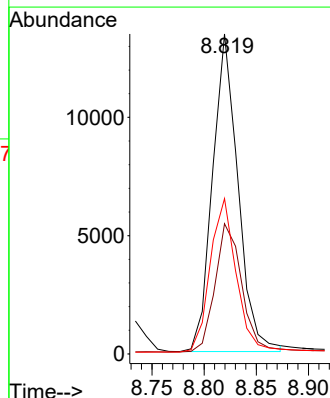
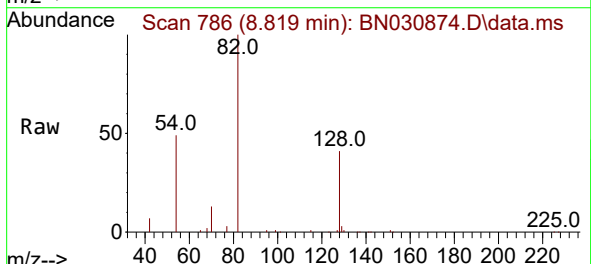
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

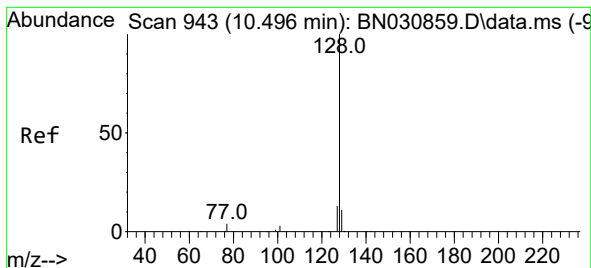
Tgt Ion:	136	Resp:	18576
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.0	5.3	7.9
68	5.3	4.5	6.7



#8
Nitrobenzene-d5
Concen: 1.722 ng
RT: 8.819 min Scan# 786
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion:	82	Resp:	22843
Ion	Ratio	Lower	Upper
82	100		
128	40.7	31.4	47.2
54	48.5	41.8	62.6





#9

Naphthalene

Concen: 1.066 ng

RT: 10.496 min Scan# 943

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

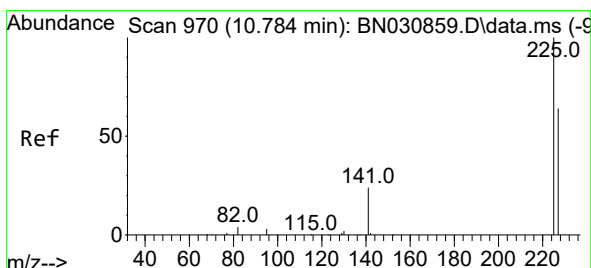
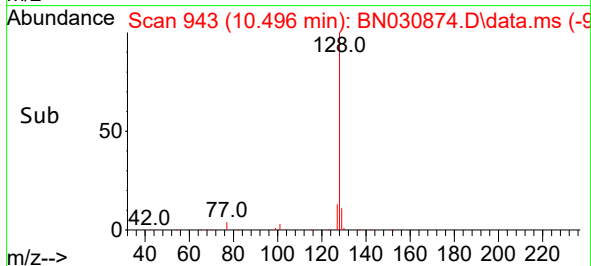
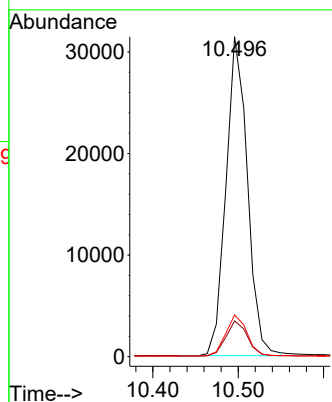
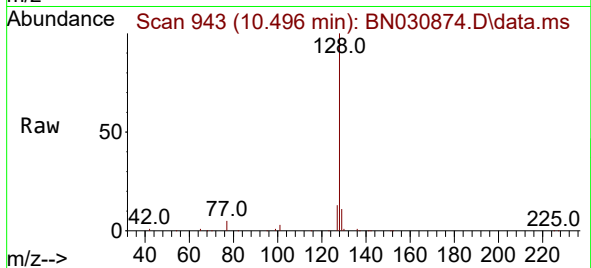
Tgt Ion:128 Resp: 54787

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

127 13.0 10.7 16.1



#10

Hexachlorobutadiene

Concen: 1.632 ng

RT: 10.784 min Scan# 970

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

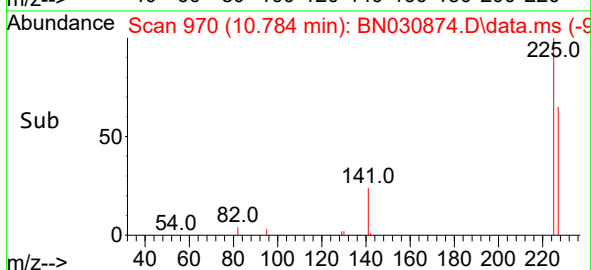
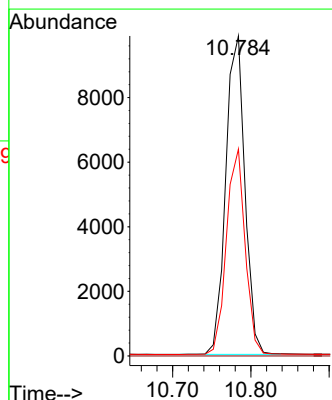
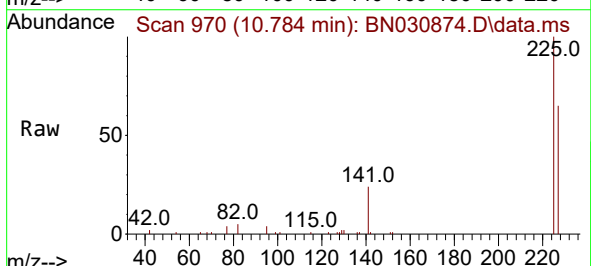
Tgt Ion:225 Resp: 16745

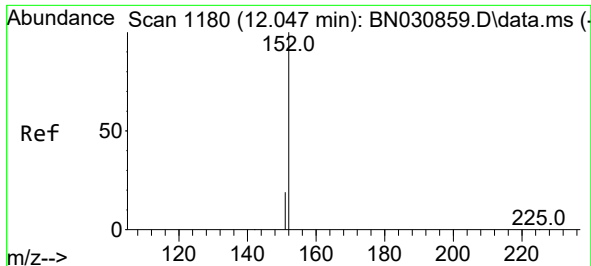
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.1 51.2 76.8





#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

RT: 12.039 min Scan# 1178

Delta R.T. -0.008 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

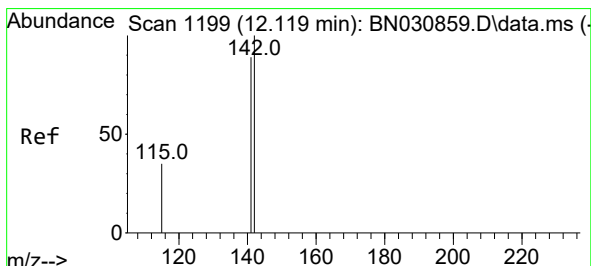
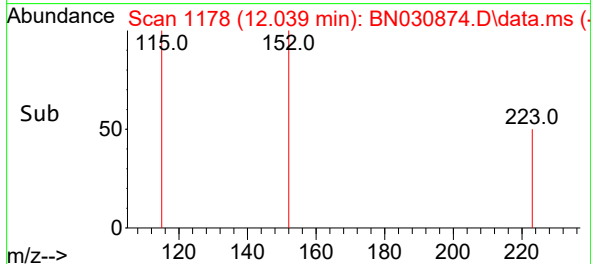
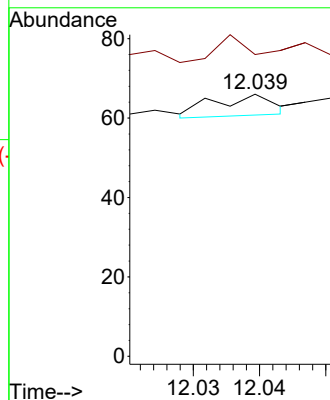
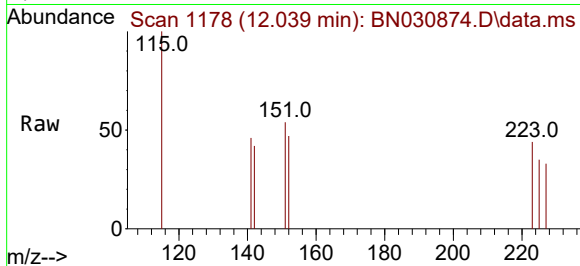
PT-BN-WPDL

Tgt Ion:152 Resp: 3

Ion Ratio Lower Upper

152 100

151 100.0 16.6 24.8#



#12

2-Methylnaphthalene

Concen: 1.213 ng

RT: 12.119 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

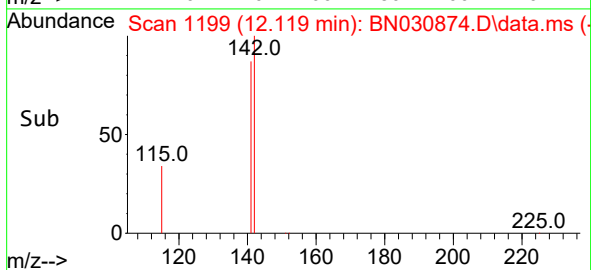
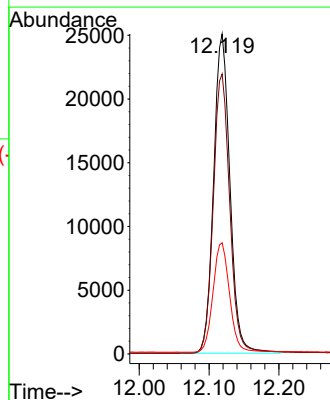
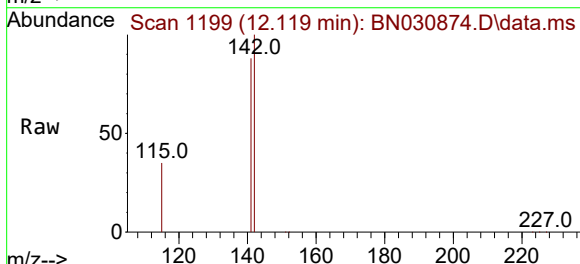
Tgt Ion:142 Resp: 40781

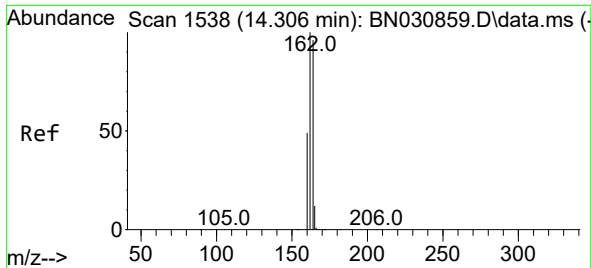
Ion Ratio Lower Upper

142 100

141 87.5 71.4 107.0

115 34.7 29.1 43.7

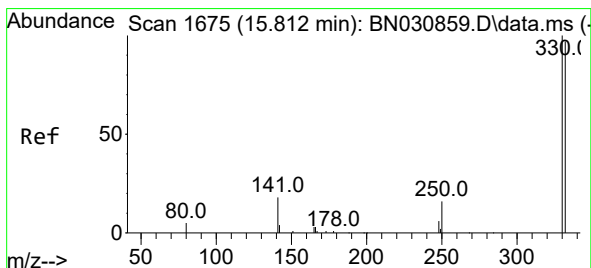
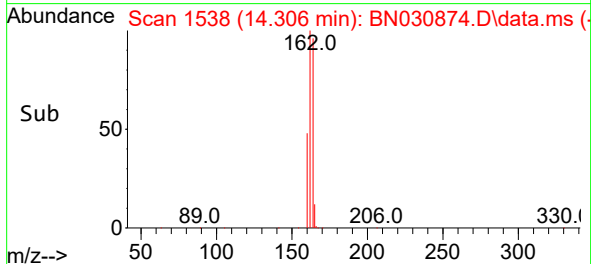
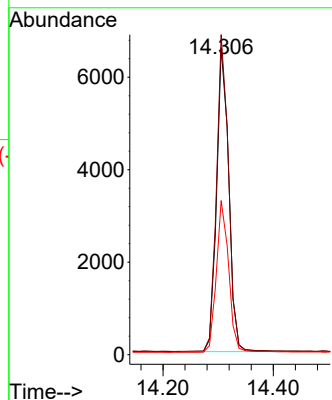
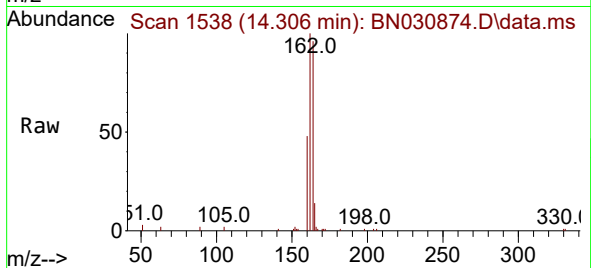




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.306 min Scan# 1538
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

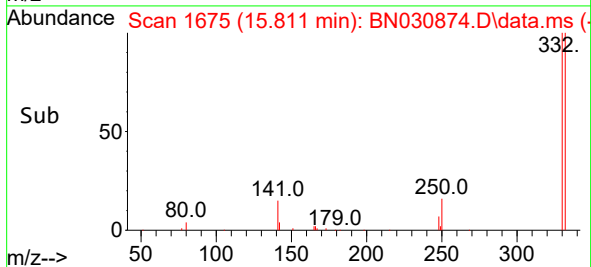
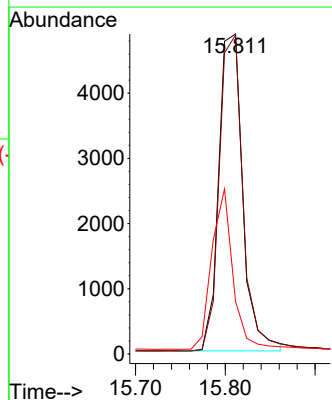
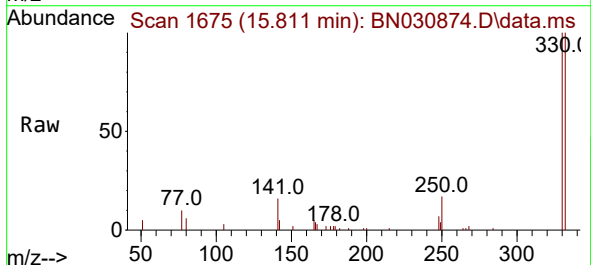
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

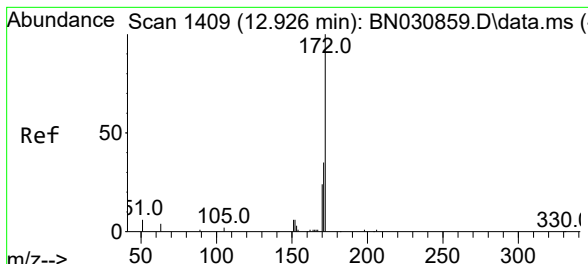
Tgt Ion:164 Resp: 10025
Ion Ratio Lower Upper
164 100
162 104.2 83.7 125.5
160 50.2 41.4 62.0



#14
2,4,6-Tribromophenol
Concen: 2.229 ng
RT: 15.811 min Scan# 1675
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion:330 Resp: 9051
Ion Ratio Lower Upper
330 100
332 98.0 76.4 114.6
141 44.4 36.7 55.1

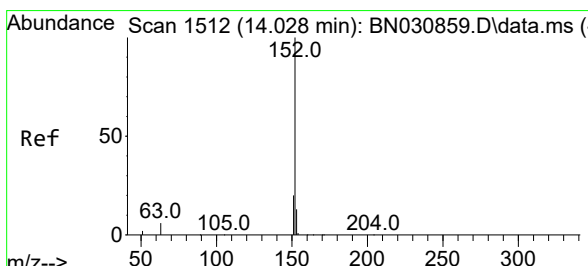
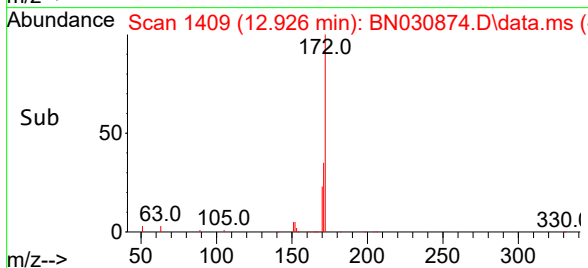
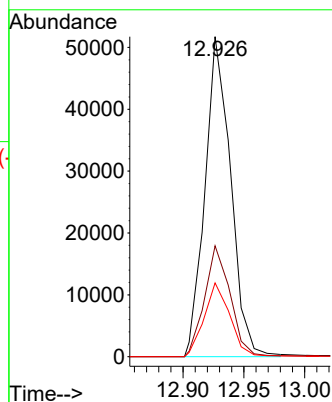
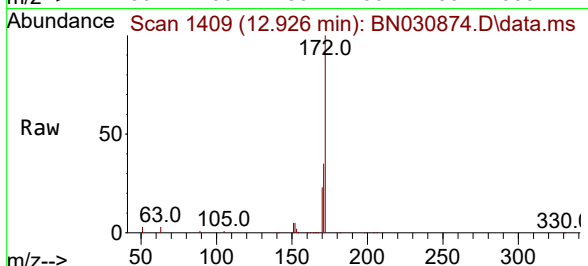




#15
2-Fluorobiphenyl
Concen: 1.846 ng
RT: 12.926 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

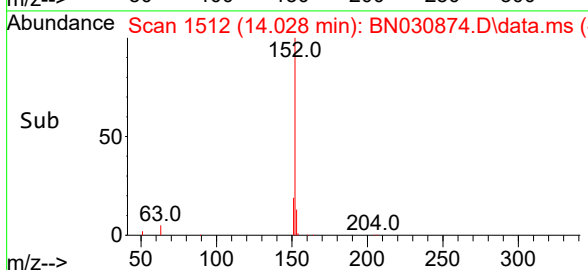
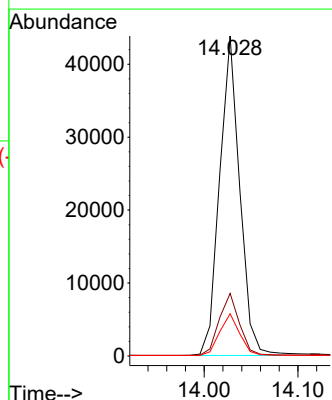
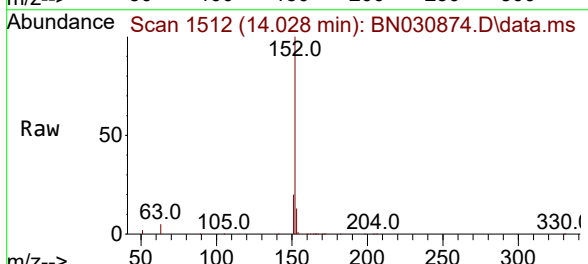
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

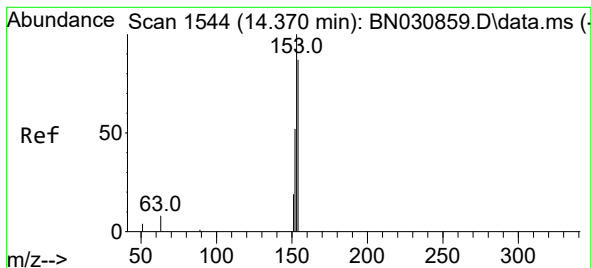
Tgt Ion:172	Resp:	65581
Ion Ratio	Lower	Upper
172	100	
171	34.6	28.4 42.6
170	23.1	19.5 29.3



#16
Acenaphthylene
Concen: 1.491 ng
RT: 14.028 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion:152	Resp:	65320
Ion Ratio	Lower	Upper
152	100	
151	19.6	15.6 23.4
153	13.1	10.3 15.5





#17

Acenaphthene

Concen: 0.632 ng

RT: 14.370 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

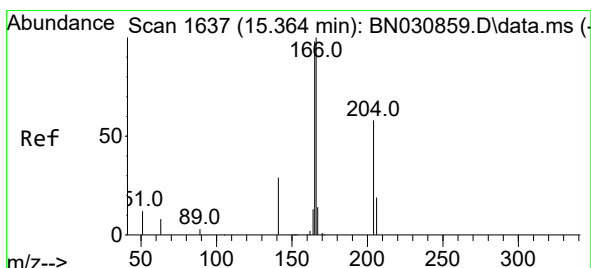
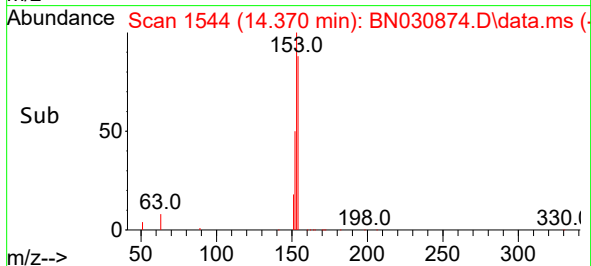
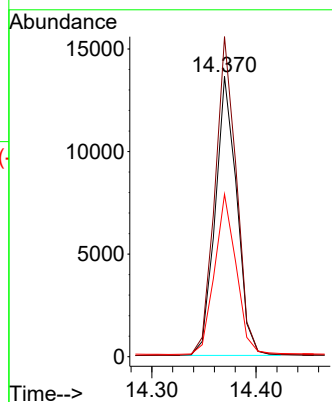
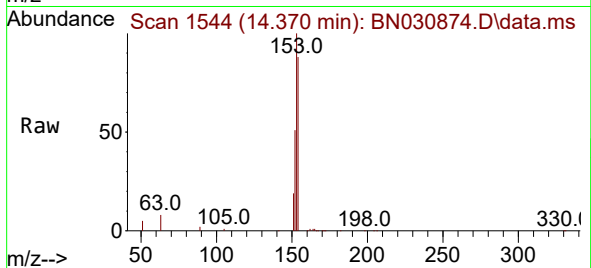
Tgt Ion:154 Resp: 19567

Ion Ratio Lower Upper

154 100

153 113.7 91.7 137.5

152 57.7 47.0 70.6



#18

Fluorene

Concen: 2.318 ng

RT: 15.364 min Scan# 1637

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

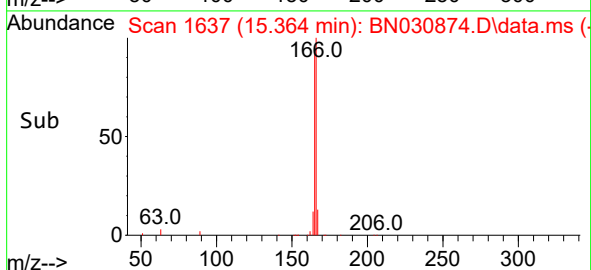
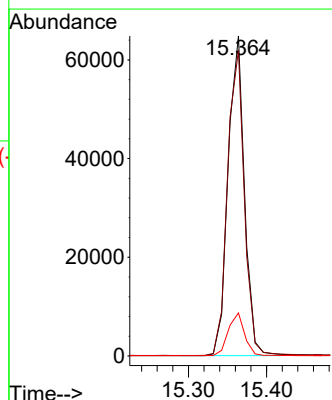
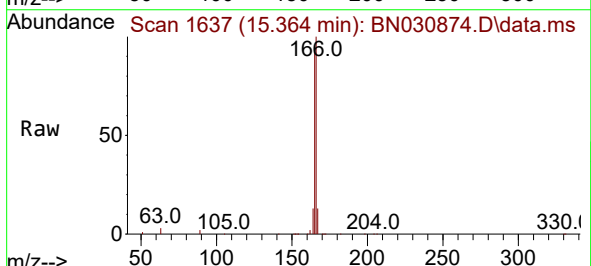
Tgt Ion:166 Resp: 94310

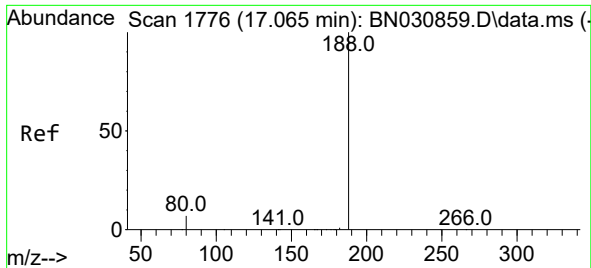
Ion Ratio Lower Upper

166 100

165 97.6 77.9 116.9

167 13.3 10.9 16.3

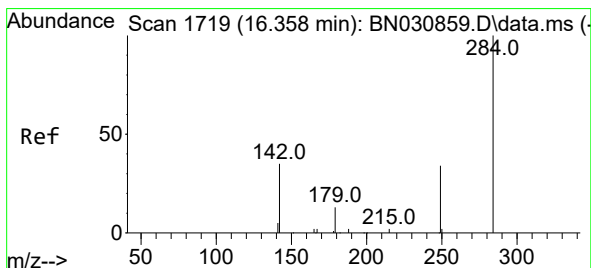
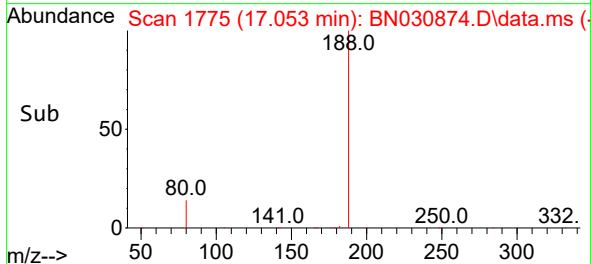
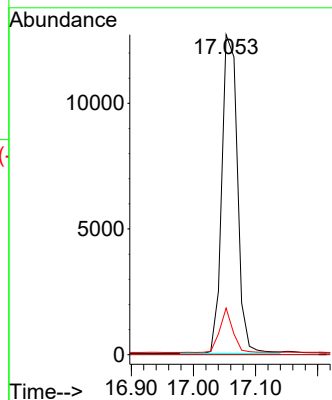
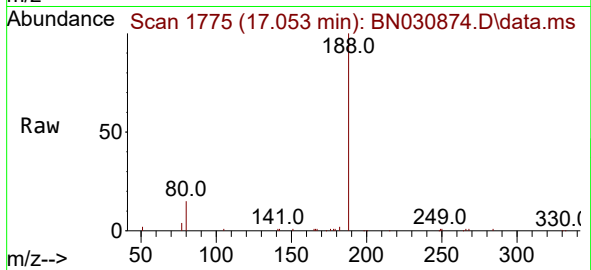




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.053 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

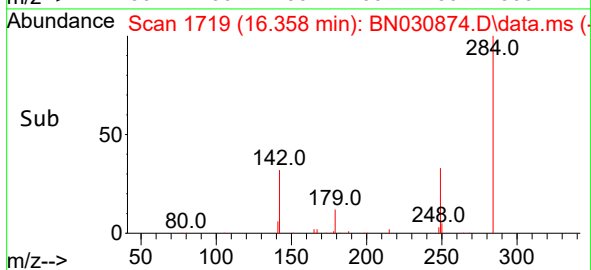
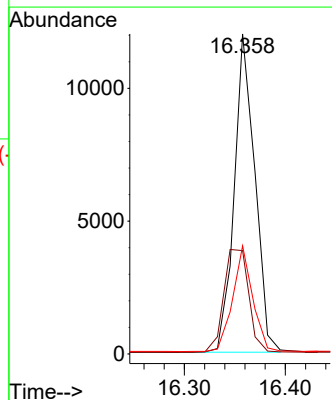
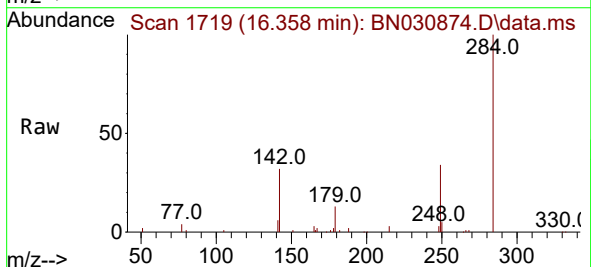
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

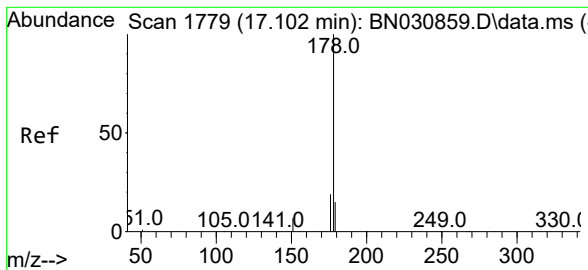
Tgt Ion:188 Resp: 22103
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.5 5.8 8.6#



#22
Hexachlorobenzene
Concen: 1.124 ng
RT: 16.358 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion:284 Resp: 17048
Ion Ratio Lower Upper
284 100
142 39.1 31.6 47.4
249 32.0 26.0 39.0

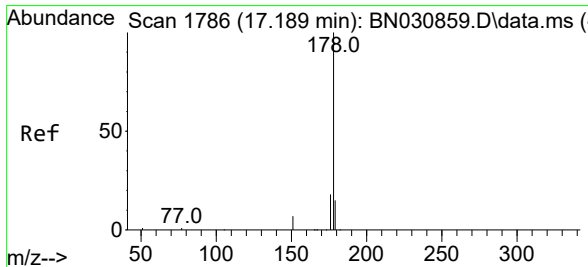
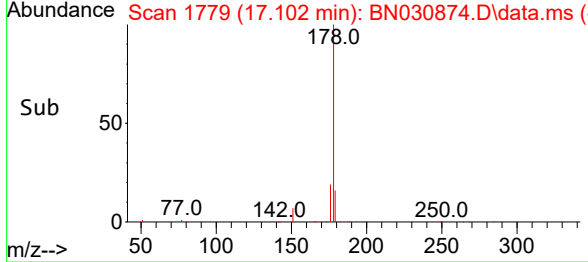
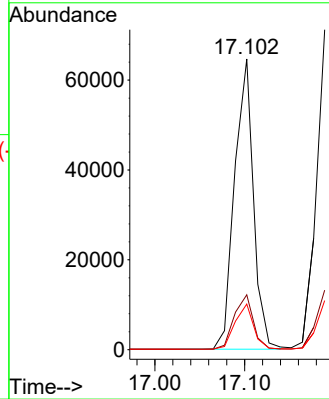
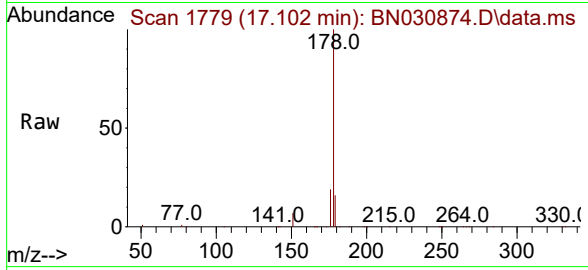




#25
 Phenanthrene
 Concen: 1.464 ng
 RT: 17.102 min Scan# 1779
 Delta R.T. -0.000 min
 Lab File: BN030874.D
 Acq: 12 Apr 2024 23:23

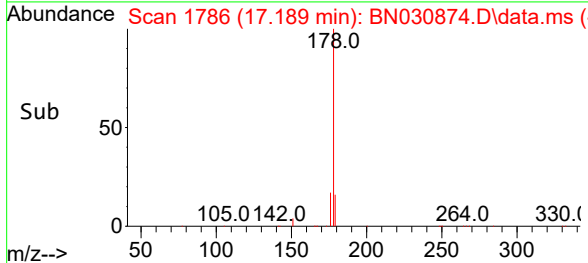
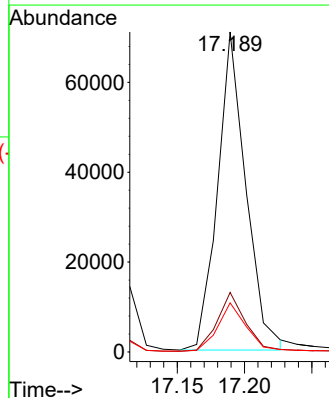
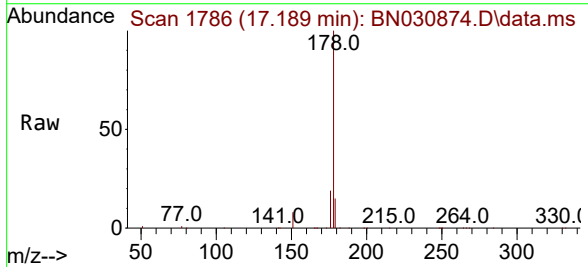
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WPDL

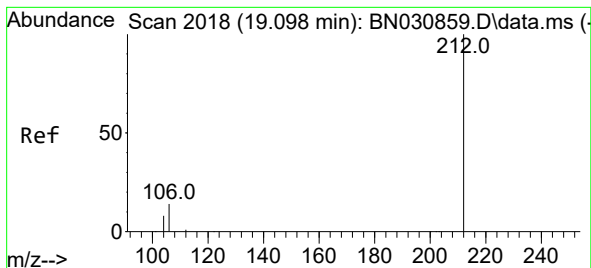
Tgt Ion:178	Resp:	94721
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.3 22.9
179	15.3	12.3 18.5



#26
 Anthracene
 Concen: 1.918 ng
 RT: 17.189 min Scan# 1786
 Delta R.T. -0.000 min
 Lab File: BN030874.D
 Acq: 12 Apr 2024 23:23

Tgt Ion:178	Resp:	103684
Ion Ratio	Lower	Upper
178	100	
176	18.5	14.7 22.1
179	15.2	12.2 18.2





#27

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.089 min Scan# 2016

Delta R.T. -0.009 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

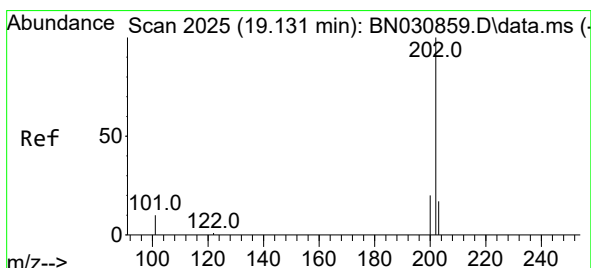
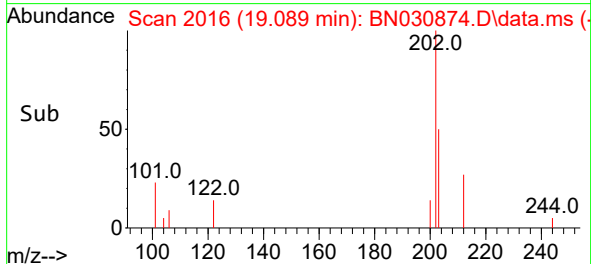
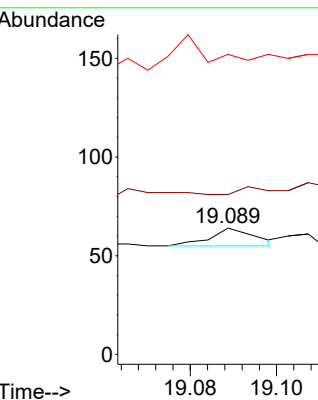
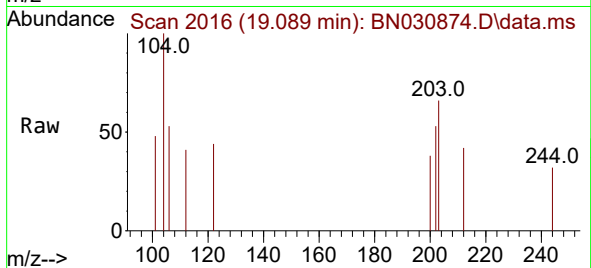
Tgt Ion:212 Resp: 6

Ion Ratio Lower Upper

212 100

106 0.0 11.8 17.8#

104 200.0 6.6 10.0#



#28

Fluoranthene

Concen: 2.905 ng

RT: 19.126 min Scan# 2024

Delta R.T. -0.005 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

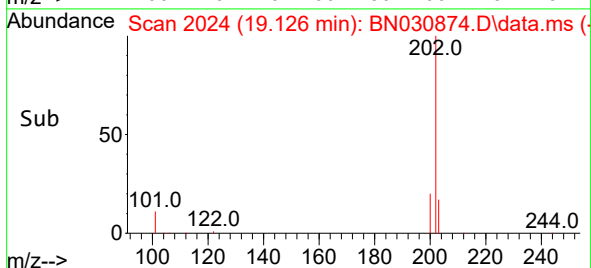
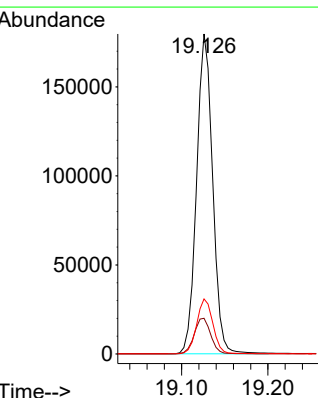
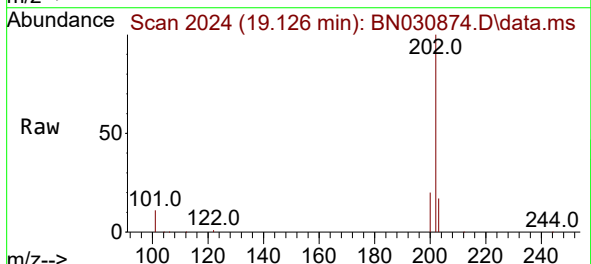
Tgt Ion:202 Resp: 232571

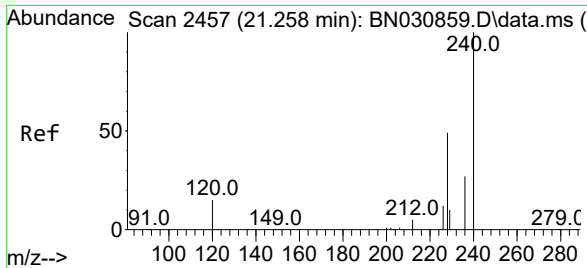
Ion Ratio Lower Upper

202 100

101 11.5 9.4 14.2

203 17.2 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.258 min Scan# 2457

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

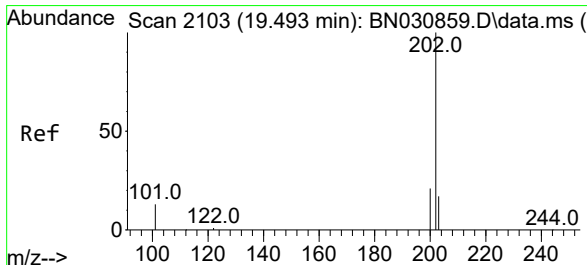
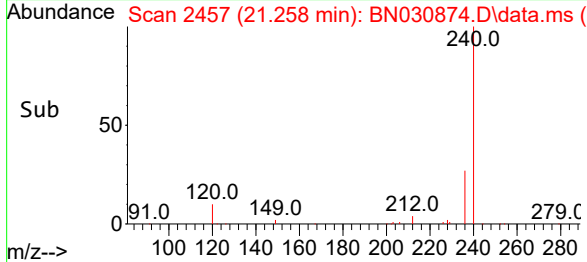
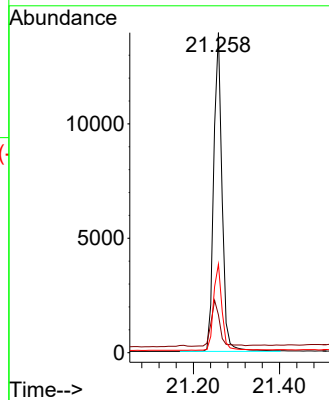
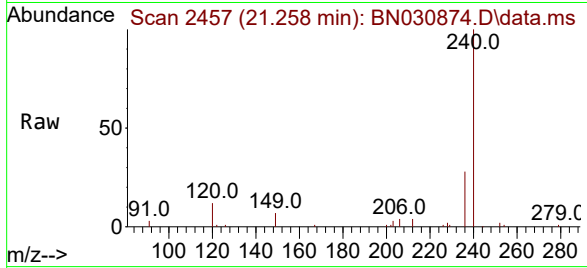
Tgt Ion:240 Resp: 18841

Ion Ratio Lower Upper

240 100

120 11.8 13.5 20.3#

236 27.6 22.2 33.2



#30

Pyrene

Concen: 1.772 ng

RT: 19.488 min Scan# 2102

Delta R.T. -0.005 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

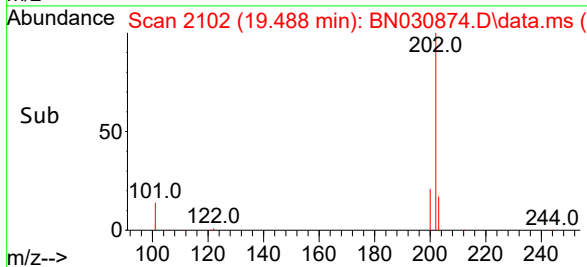
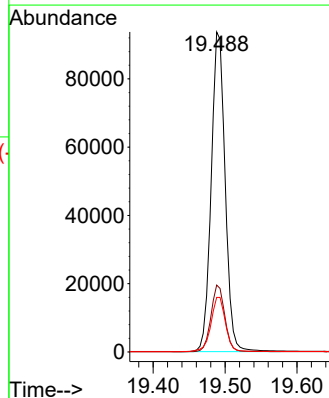
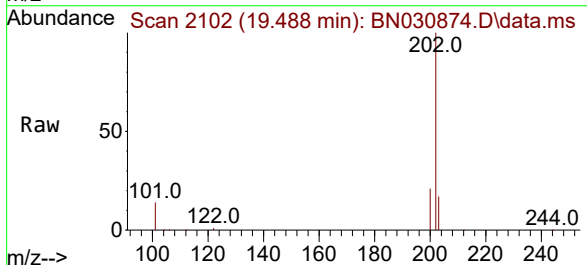
Tgt Ion:202 Resp: 125544

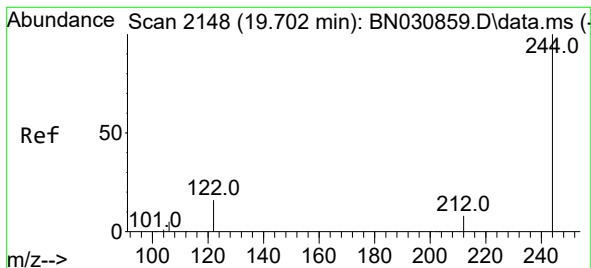
Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

203 17.7 14.4 21.6





#31

Terphenyl-d14

Concen: 2.055 ng

RT: 19.702 min Scan# 2148

Delta R.T. -0.000 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

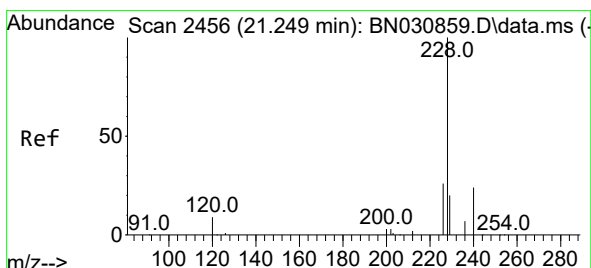
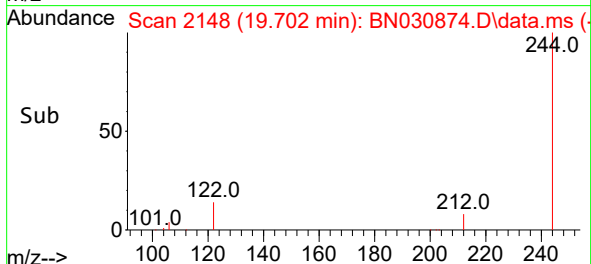
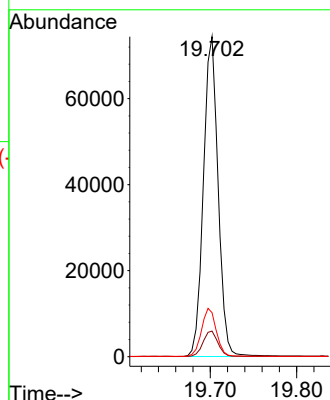
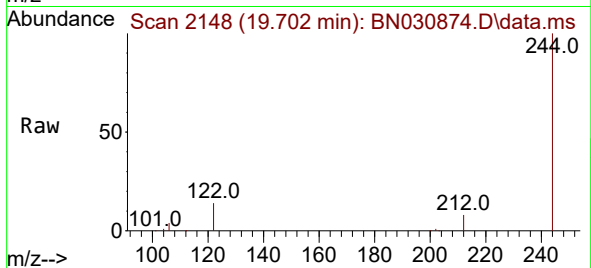
Tgt Ion:244 Resp: 88014

Ion Ratio Lower Upper

244 100

212 8.0 6.7 10.1

122 13.8 12.8 19.2



#32

Benzo(a)anthracene

Concen: 1.123 ng

RT: 21.294 min Scan# 2461

Delta R.T. 0.045 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

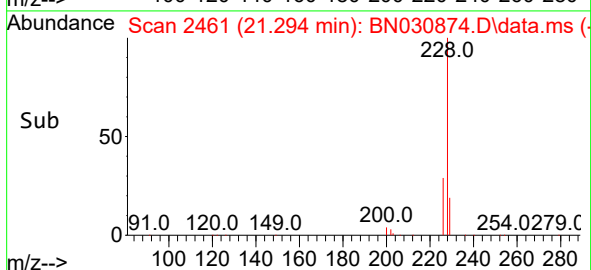
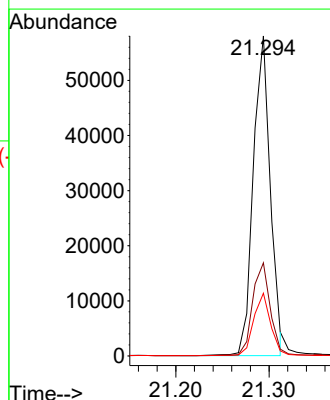
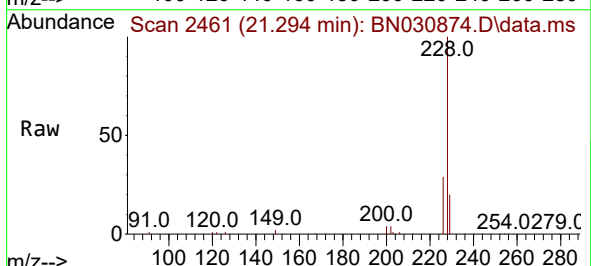
Tgt Ion:228 Resp: 73363

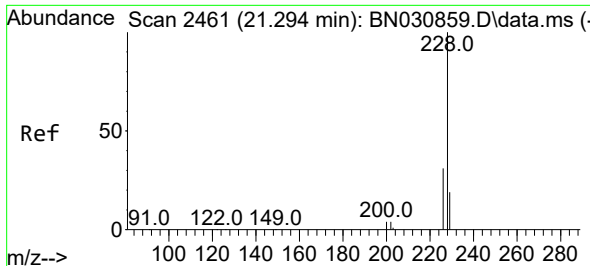
Ion Ratio Lower Upper

228 100

226 29.1 21.3 31.9

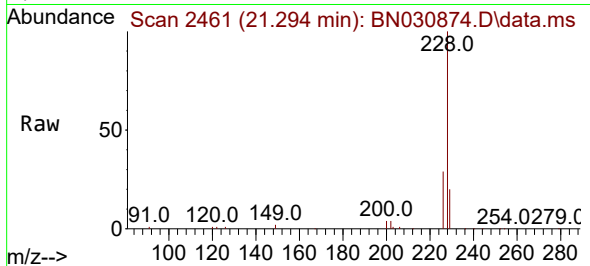
229 19.6 15.8 23.8



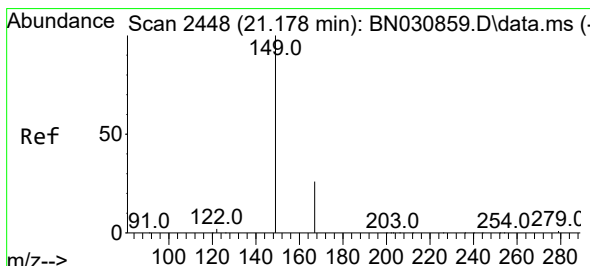
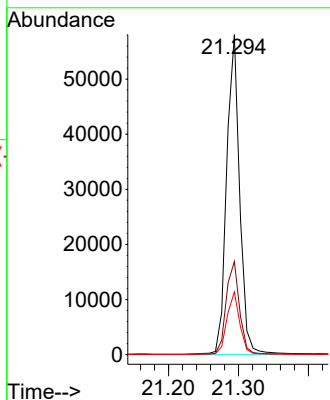
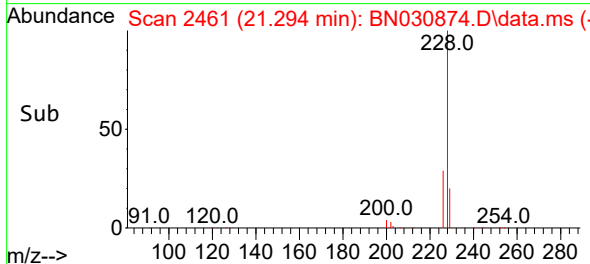


#33
Chrysene
Concen: 1.069 ng
RT: 21.294 min Scan# 2461
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

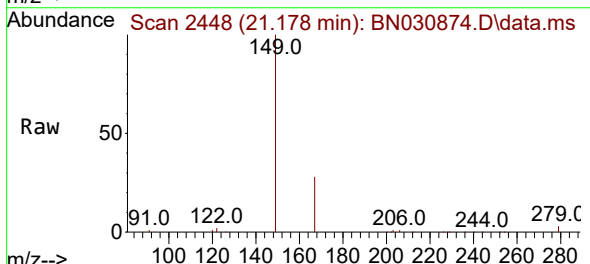
Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL



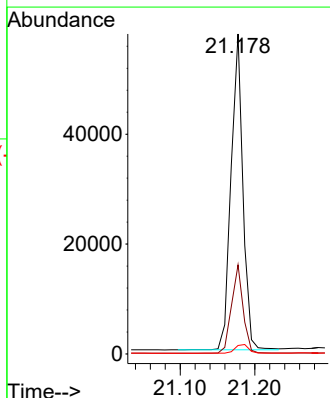
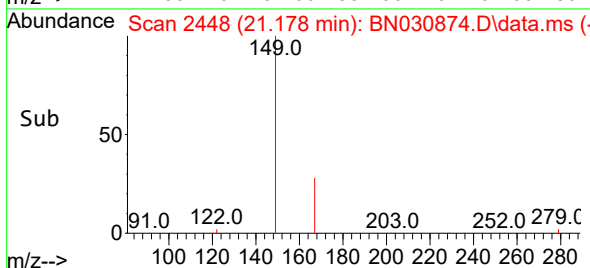
Tgt Ion:228 Resp: 74803
Ion Ratio Lower Upper
228 100
226 29.1 24.6 36.8
229 19.6 15.2 22.8

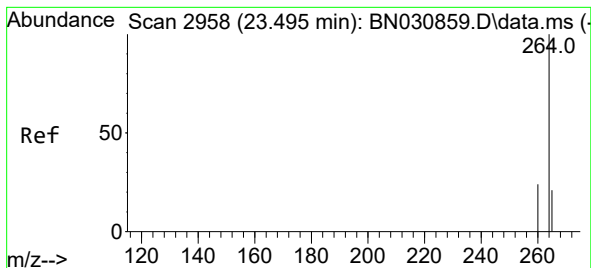


#34
Bis(2-ethylhexyl)phthalate
Concen: 2.221 ng
RT: 21.178 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23



Tgt Ion:149 Resp: 63294
Ion Ratio Lower Upper
149 100
167 27.3 21.4 32.0
279 3.3 2.6 4.0





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.486 min Scan# 2955

Delta R.T. -0.009 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

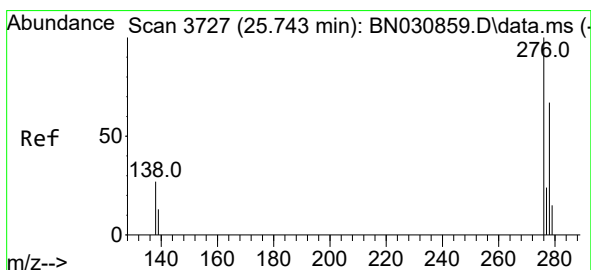
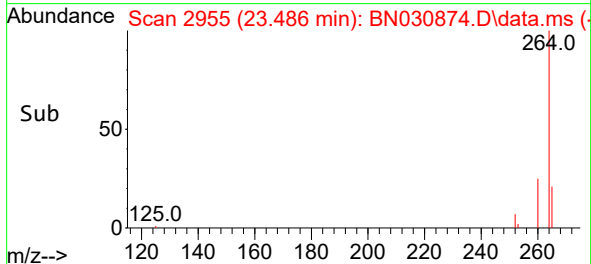
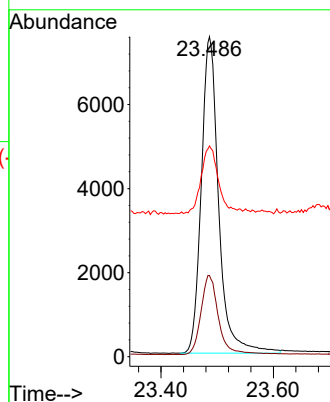
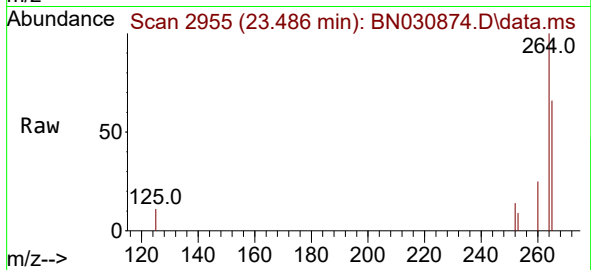
Tgt Ion:264 Resp: 16129

Ion Ratio Lower Upper

264 100

260 25.4 19.8 29.8

265 65.9 42.5 63.7#



#36

Indeno(1,2,3-cd)pyrene

Concen: 2.882 ng

RT: 25.726 min Scan# 3721

Delta R.T. -0.018 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

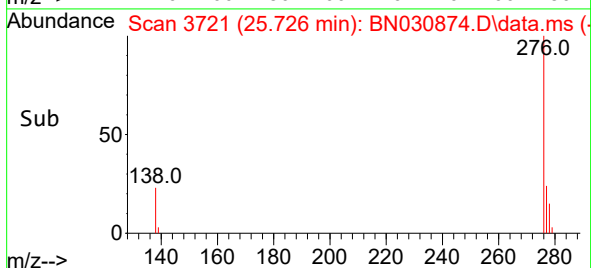
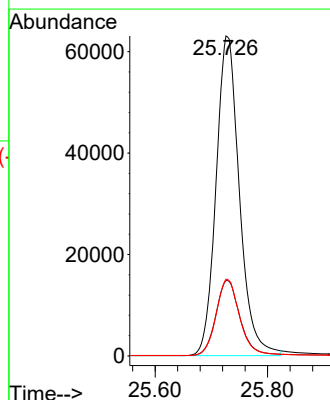
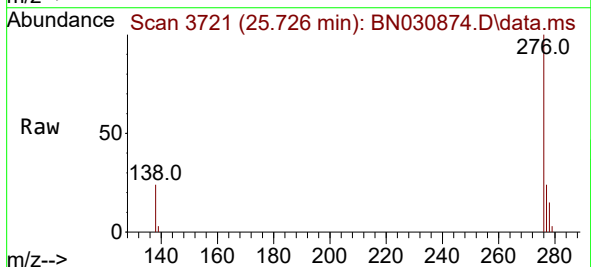
Tgt Ion:276 Resp: 181782

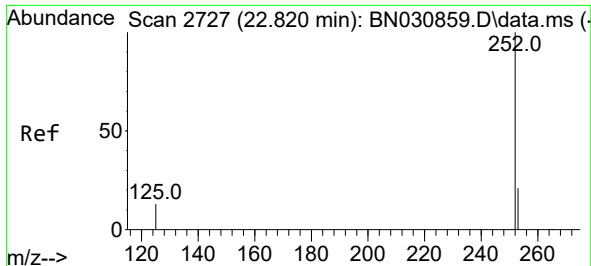
Ion Ratio Lower Upper

276 100

138 24.2 22.2 33.4

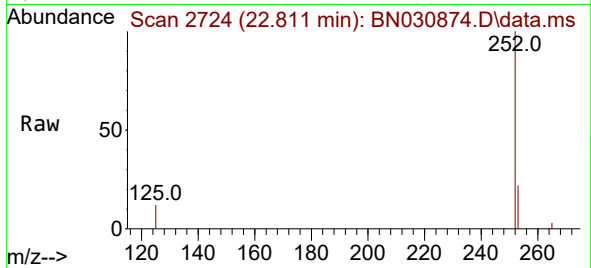
277 24.0 20.0 30.0



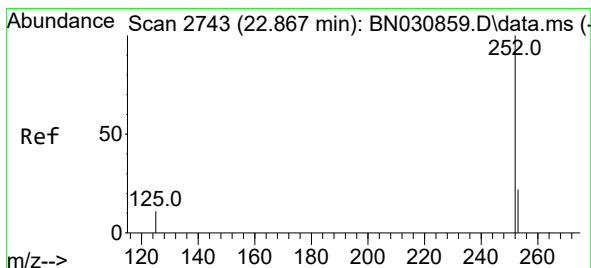
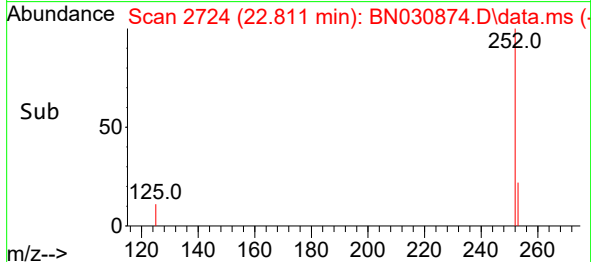
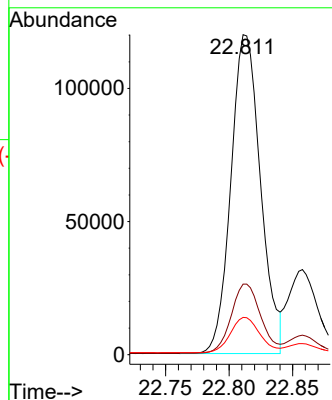


#37
Benzo(b)fluoranthene
Concen: 2.721 ng
RT: 22.811 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

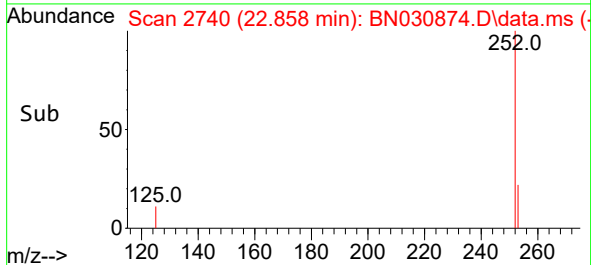
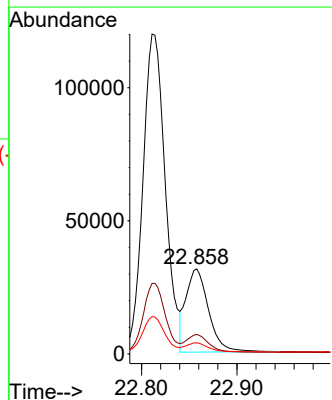
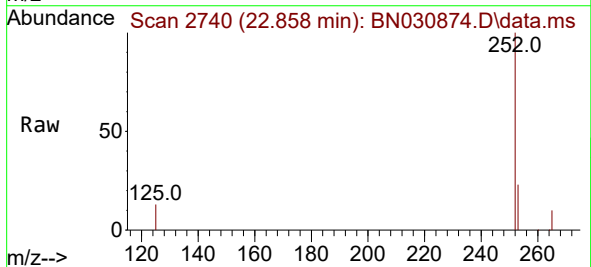


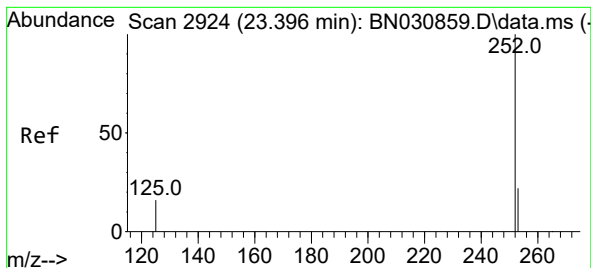
Tgt Ion:252 Resp: 194343
Ion Ratio Lower Upper
252 100
253 22.1 18.8 28.2
125 11.7 13.0 19.6#



#38
Benzo(k)fluoranthene
Concen: 0.764 ng
RT: 22.858 min Scan# 2740
Delta R.T. -0.009 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Tgt Ion:252 Resp: 51479
Ion Ratio Lower Upper
252 100
253 22.9 19.1 28.7
125 13.0 11.6 17.4





#39

Benzo(a)pyrene

Concen: 1.378 ng

RT: 23.387 min Scan# 2921

Delta R.T. -0.009 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

Instrument :

BNA_N

ClientSampleId :

PT-BN-WPDL

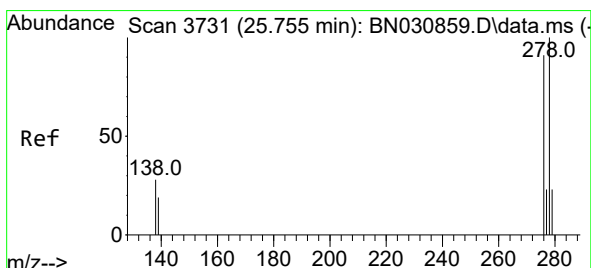
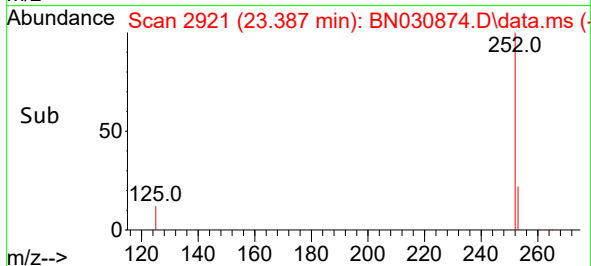
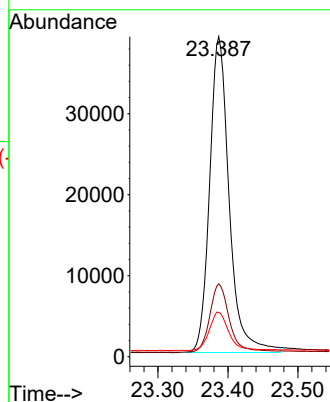
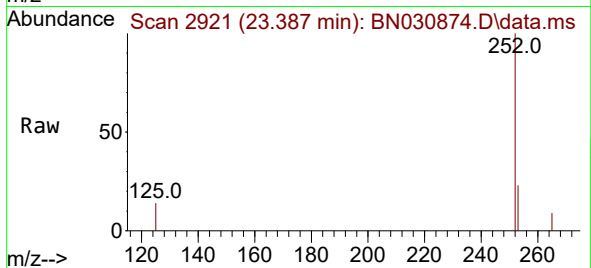
Tgt Ion:252 Resp: 75794

Ion Ratio Lower Upper

252 100

253 22.8 20.2 30.4

125 13.8 16.6 25.0#



#40

Dibenzo(a,h)anthracene

Concen: 0.912 ng

RT: 25.746 min Scan# 3728

Delta R.T. -0.009 min

Lab File: BN030874.D

Acq: 12 Apr 2024 23:23

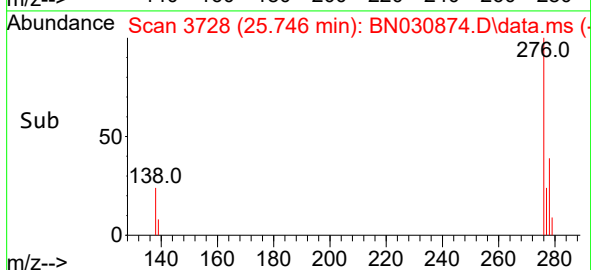
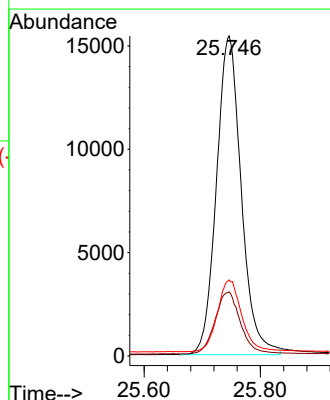
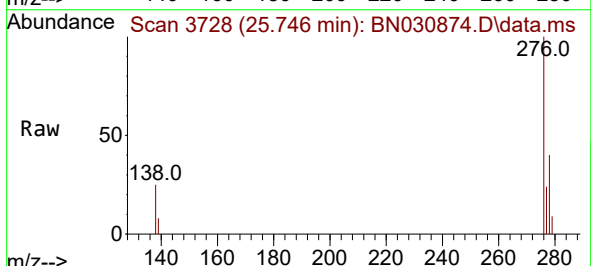
Tgt Ion:278 Resp: 45722

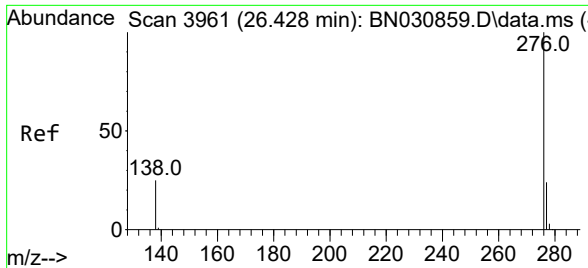
Ion Ratio Lower Upper

278 100

139 20.1 16.5 24.7

279 23.8 20.6 30.8





#41
Benzo(g,h,i)perylene
Concen: 0.520 ng
RT: 26.422 min Scan# 3959
Delta R.T. -0.006 min
Lab File: BN030874.D
Acq: 12 Apr 2024 23:23

Instrument :
BNA_N
ClientSampleId :
PT-BN-WPDL

Tgt Ion:	276	Resp:	28216
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.8	29.8
138	25.4	21.2	31.8

