

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041224\
 Data File : BN030873.D
 Acq On : 12 Apr 2024 22:46
 Operator : MA/JU
 Sample : P1908-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Apr 13 00:34:05 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)

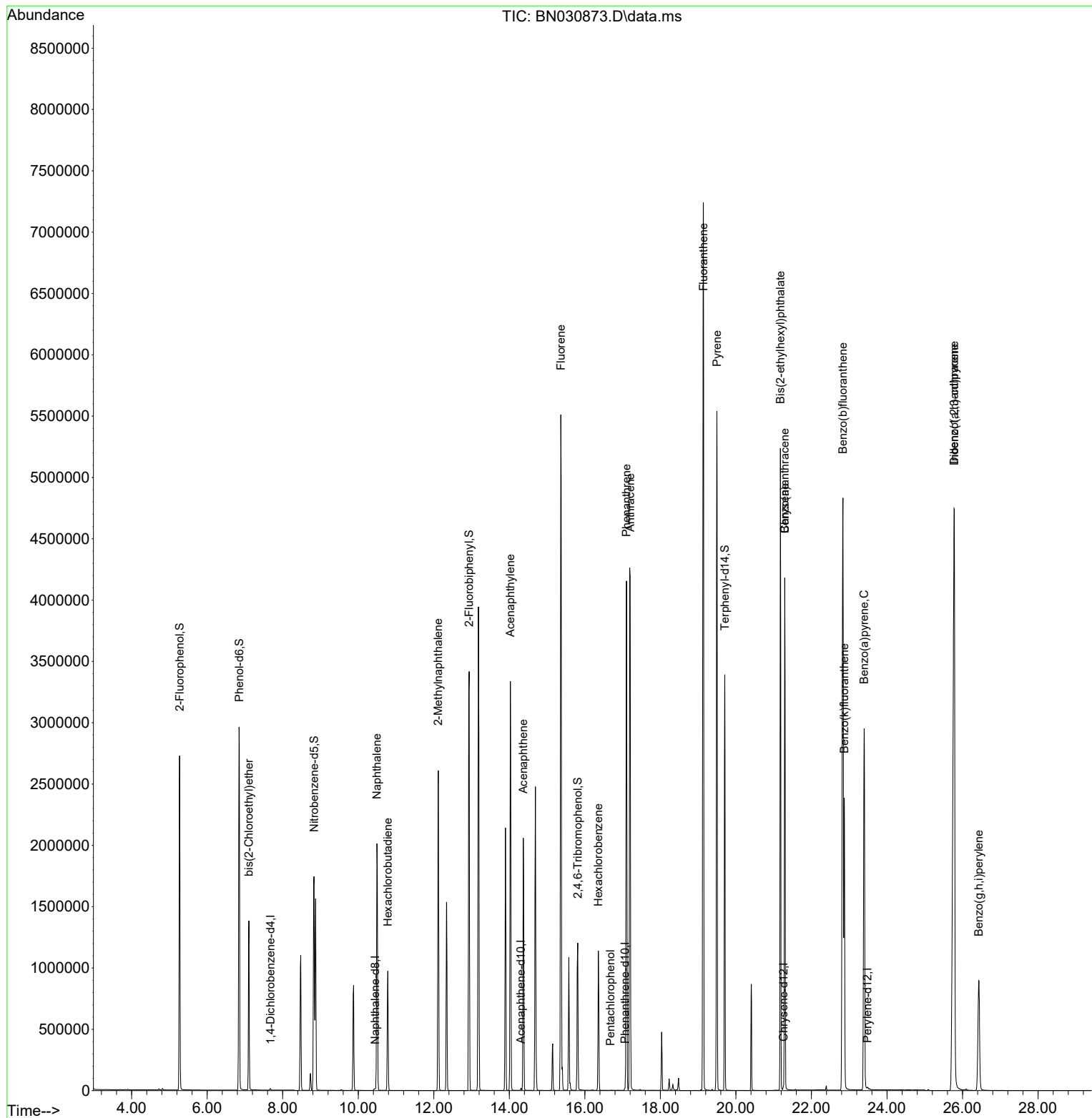
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	6128	0.400	ng	0.00
7) Naphthalene-d8	10.453	136	18977	0.400	ng	0.00
13) Acenaphthene-d10	14.306	164	10016	0.400	ng	0.00
19) Phenanthrene-d10	17.065	188	23392	0.400	ng	0.00
29) Chrysene-d12	21.258	240	21109	0.400	ng	# 0.00
35) Perylene-d12	23.486	264	18738	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.270	112	2171205	147.705	ng	0.00
5) Phenol-d6	6.852	99	2876086	161.500	ng	0.00
8) Nitrobenzene-d5	8.830	82	1500673	110.758	ng	0.01
11) 2-Methylnaphthalene-d10	12.043	152	2	0.000	ng	0.00
14) 2,4,6-Tribromophenol	15.812	330	684808	168.824	ng	0.00
15) 2-Fluorobiphenyl	12.937	172	2856376	80.456	ng	0.01
27) Fluoranthene-d10	19.135	212	176	0.003	ng	0.04
31) Terphenyl-d14	19.707	244	3614658	75.312	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.104	93	966963	58.168	ng	97
9) Naphthalene	10.496	128	2740276	52.208	ng	99
10) Hexachlorobutadiene	10.784	225	804898	76.801	ng	# 100
12) 2-Methylnaphthalene	12.119	142	1954103	56.911	ng	98
16) Acenaphthylene	14.028	152	3823777	87.374	ng	99
17) Acenaphthene	14.370	154	1057593	34.205	ng	96
18) Fluorene	15.364	166	3962999	97.496	ng	97
22) Hexachlorobenzene	16.358	284	884821	55.135	ng	99
24) Pentachlorophenol	16.680	266	202	0.037	ng	# 1
25) Phenanthrene	17.102	178	4344138	63.463	ng	99
26) Anthracene	17.202	178	5202309	90.928	ng	99
28) Fluoranthene	19.140	202	8071716	95.260	ng	98
30) Pyrene	19.498	202	5466850	68.883	ng	98
32) Benzo(a)anthracene	21.294	228	3602744	49.235	ng	95
33) Chrysene	21.294	228	3636317	46.373	ng	99
34) Bis(2-ethylhexyl)phtha...	21.178	149	4873380	152.620	ng	96
36) Indeno(1,2,3-cd)pyrene	25.779	276	9081017	123.910	ng	96
37) Benzo(b)fluoranthene	22.834	252	7936779	95.643	ng	# 94
38) Benzo(k)fluoranthene	22.869	252	2579607	32.965	ng	# 95
39) Benzo(a)pyrene	23.396	252	4421328	69.202	ng	# 89
40) Dibenzo(a,h)anthracene	25.781	278	2300898	39.526	ng	94
41) Benzo(g,h,i)perylene	26.430	276	1832205	29.058	ng	97

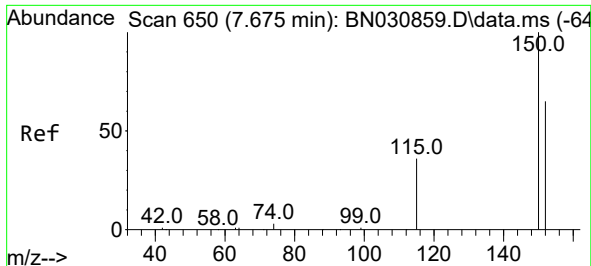
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041224\
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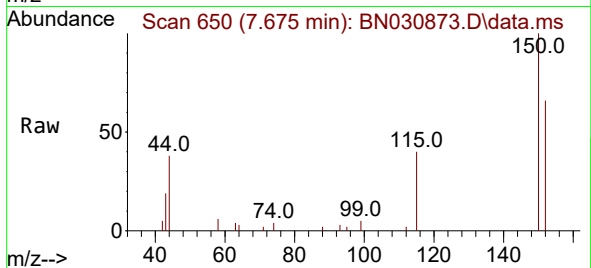
Quant Time: Apr 13 00:34:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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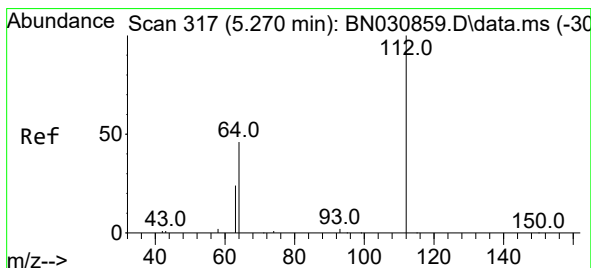
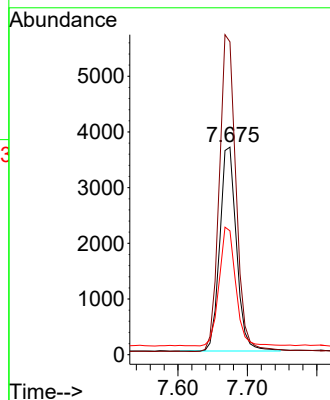
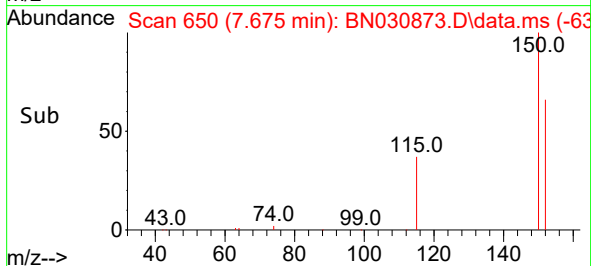


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.675 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

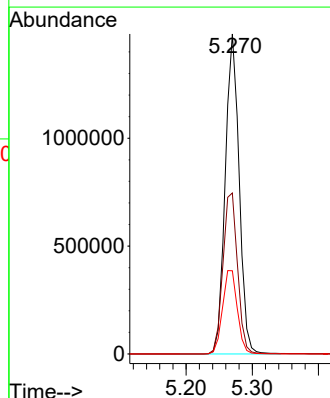
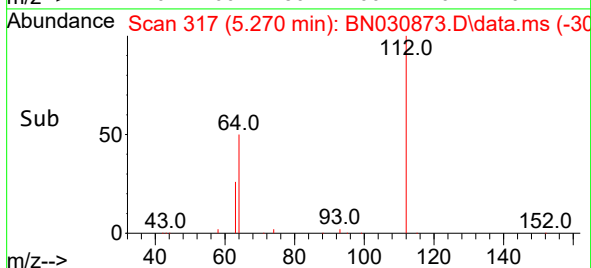
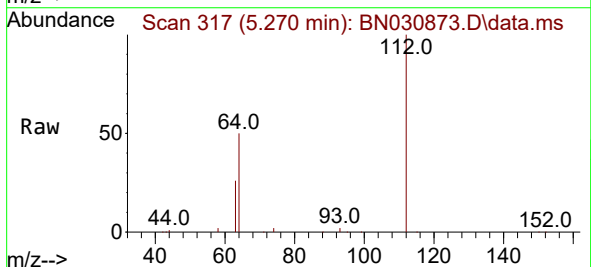


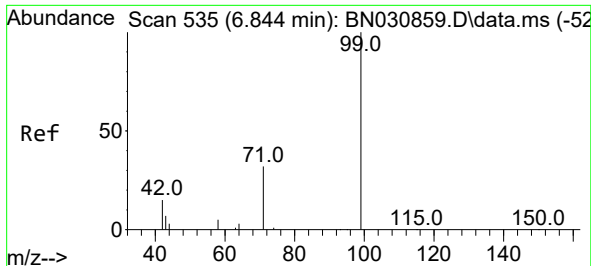
Tgt Ion:152 Resp: 6128
Ion Ratio Lower Upper
152 100
150 150.8 121.6 182.4
115 59.7 46.4 69.6



#4
2-Fluorophenol
Concen: 147.705 ng
RT: 5.270 min Scan# 317
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:112 Resp: 2171205
Ion Ratio Lower Upper
112 100
64 53.1 42.2 63.4
63 27.8 22.1 33.1

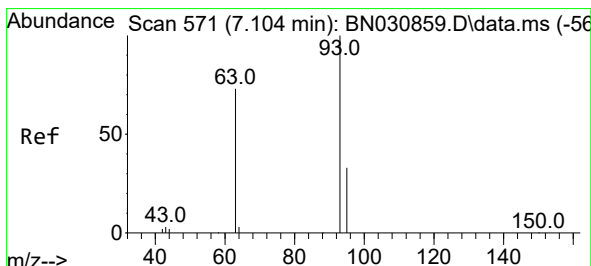
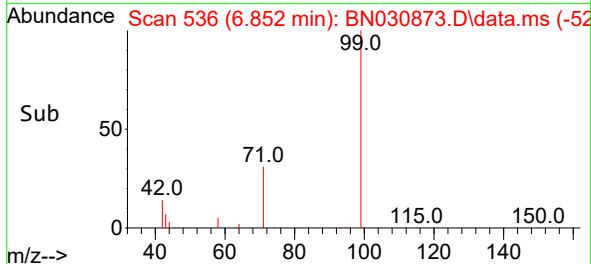
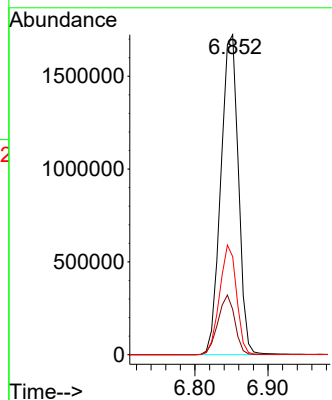
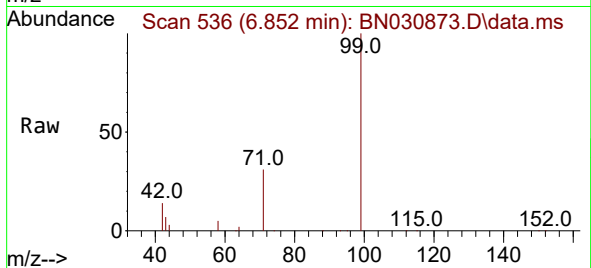




#5
Phenol-d6
Concen: 161.500 ng
RT: 6.852 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

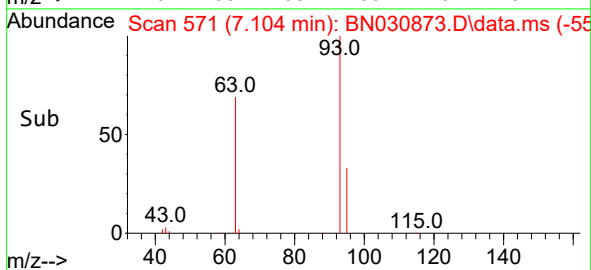
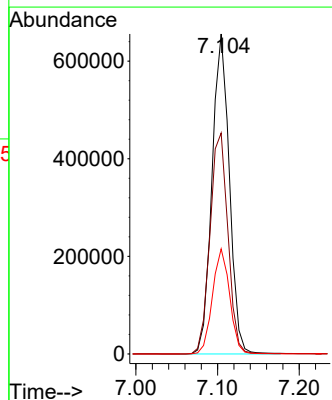
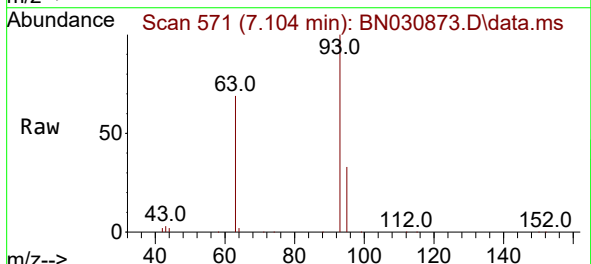
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

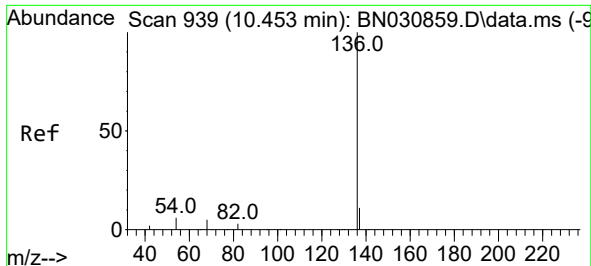
Tgt Ion: 99 Resp: 2876086
Ion Ratio Lower Upper
99 100
42 17.9 15.3 22.9
71 33.1 26.4 39.6



#6
bis(2-Chloroethyl)ether
Concen: 58.168 ng
RT: 7.104 min Scan# 571
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion: 93 Resp: 966963
Ion Ratio Lower Upper
93 100
63 71.5 59.7 89.5
95 32.7 27.1 40.7

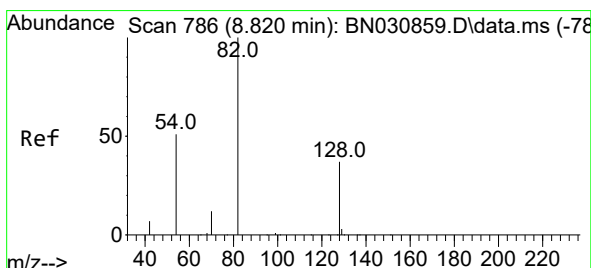
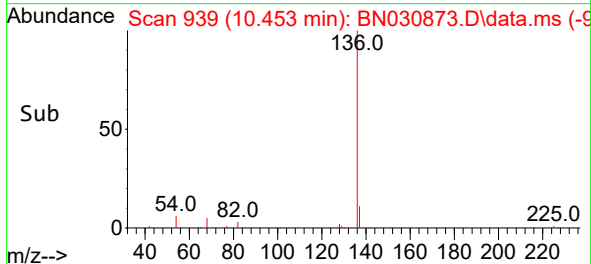
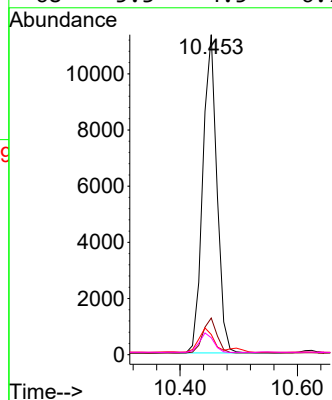
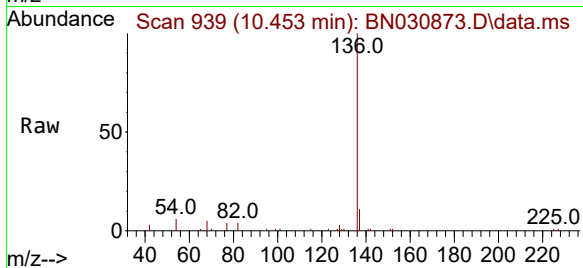




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.453 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

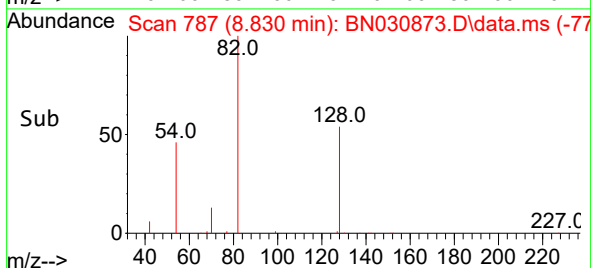
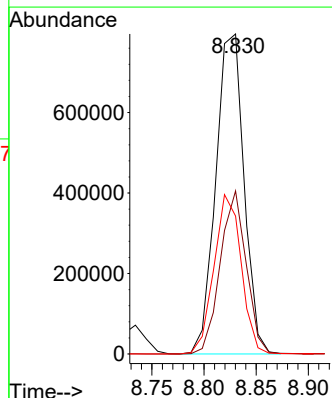
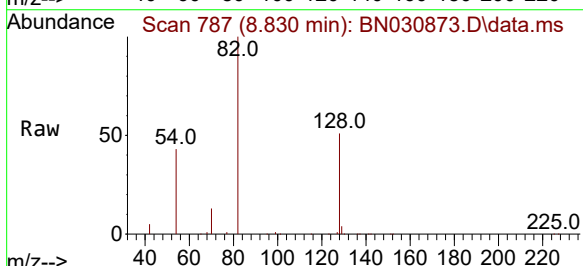
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

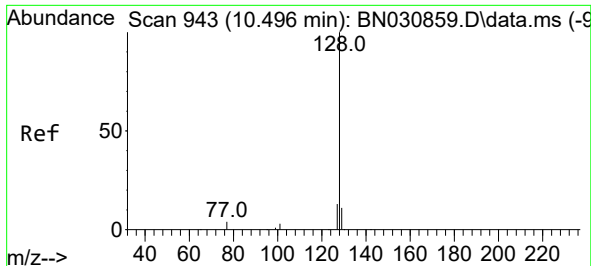
Tgt Ion:	136	Resp:	18977
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	6.3	5.3	7.9
68	5.3	4.5	6.7



#8
Nitrobenzene-d5
Concen: 110.758 ng
RT: 8.830 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:	82	Resp:	1500673
Ion Ratio	Lower	Upper	
82	100		
128	50.9	31.4	47.2#
54	43.1	41.8	62.6

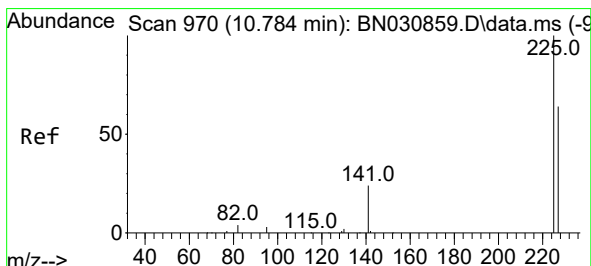
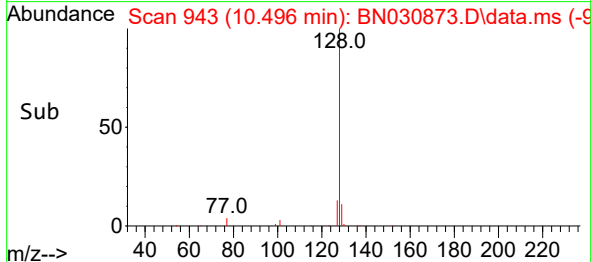
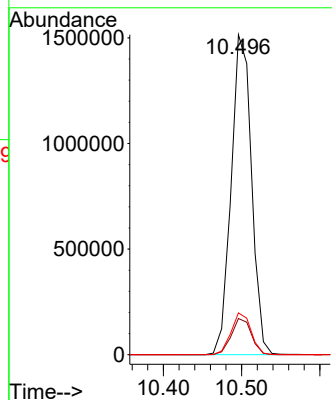
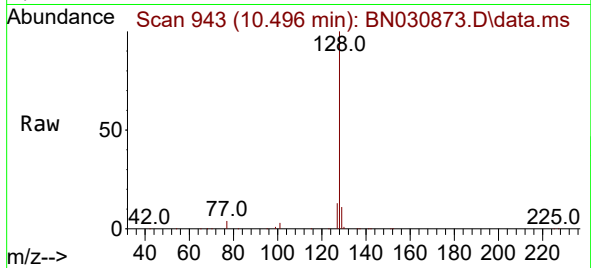




#9
Naphthalene
Concen: 52.208 ng
RT: 10.496 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

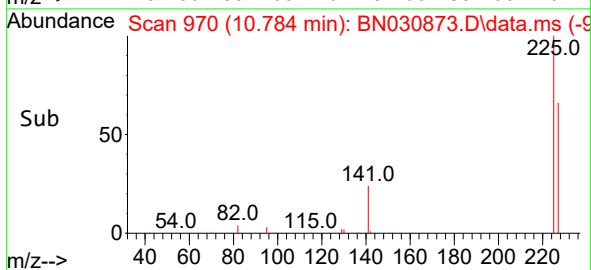
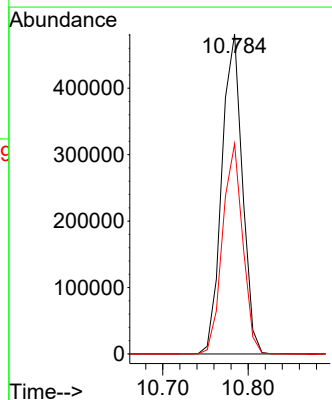
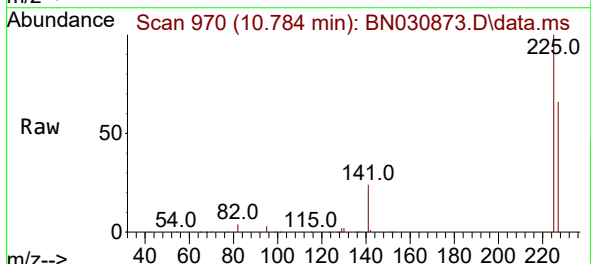
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

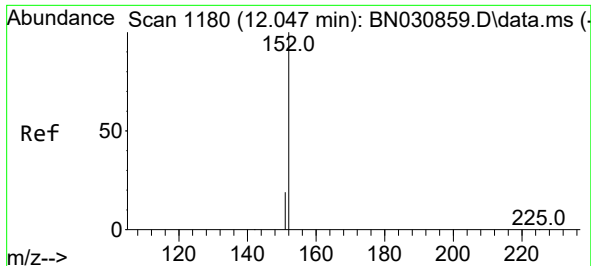
Tgt Ion:128 Resp: 2740276
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.0 10.7 16.1



#10
Hexachlorobutadiene
Concen: 76.801 ng
RT: 10.784 min Scan# 970
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:225 Resp: 804898
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 51.2 76.8

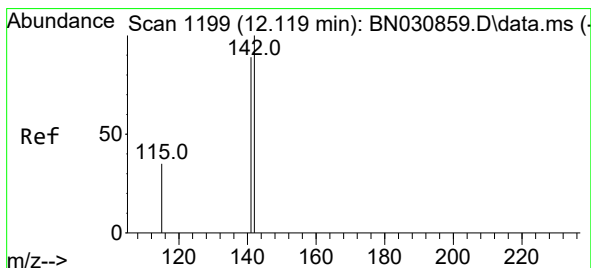
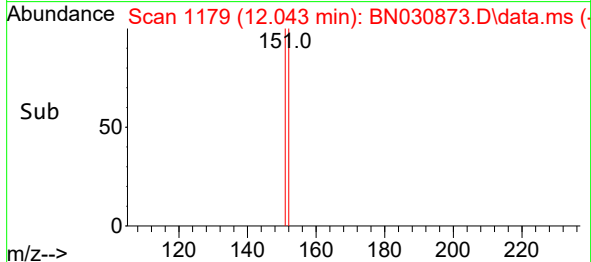
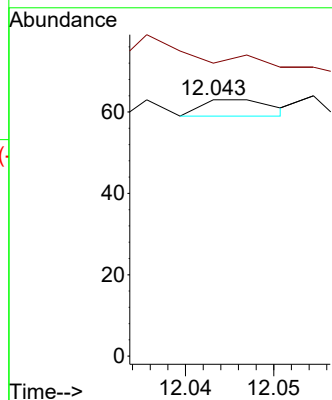
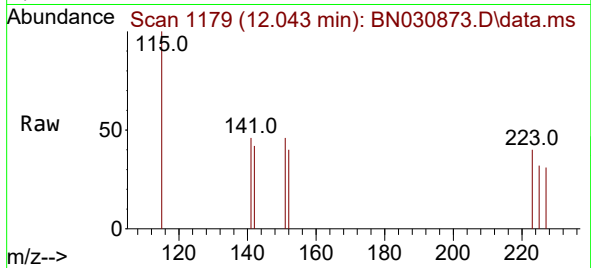




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.043 min Scan# 1180
Delta R.T. -0.004 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

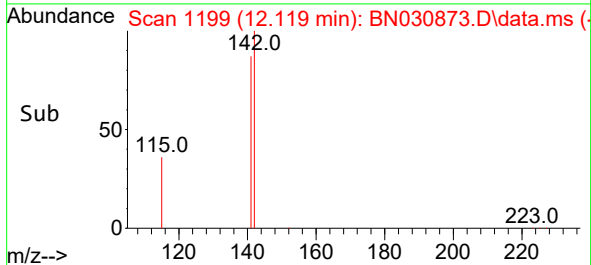
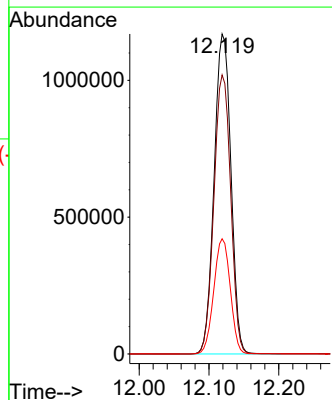
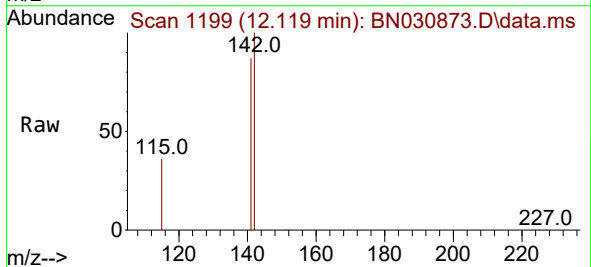
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

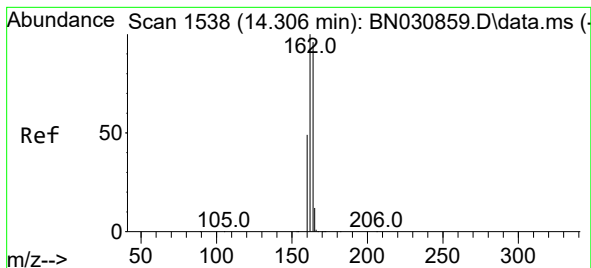
Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 0.0 16.6 24.8#



#12
2-Methylnaphthalene
Concen: 56.911 ng
RT: 12.119 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:142 Resp: 1954103
Ion Ratio Lower Upper
142 100
141 87.2 71.4 107.0
115 36.0 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: BN030873.D

Acq: 12 Apr 2024 22:46

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

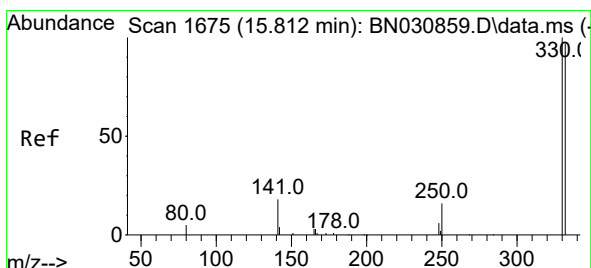
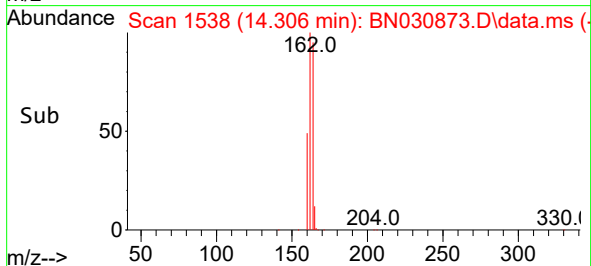
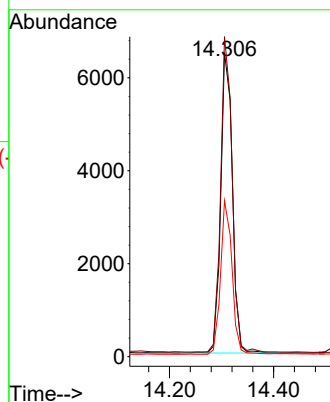
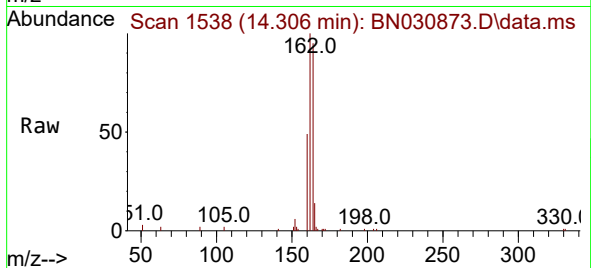
Tgt Ion:164 Resp: 10016

Ion Ratio Lower Upper

164 100

162 105.2 83.7 125.5

160 51.3 41.4 62.0



#14

2,4,6-Tribromophenol

Concen: 168.824 ng

RT: 15.812 min Scan# 1675

Delta R.T. 0.000 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

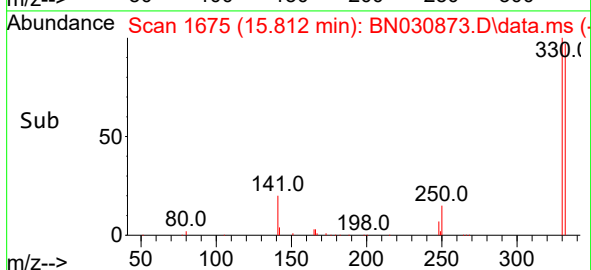
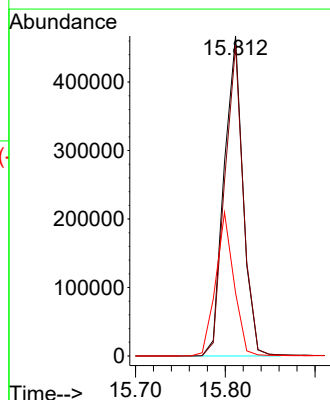
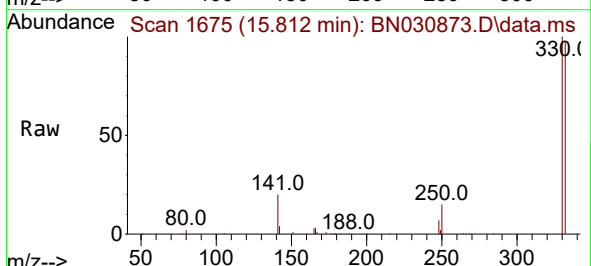
Tgt Ion:330 Resp: 684808

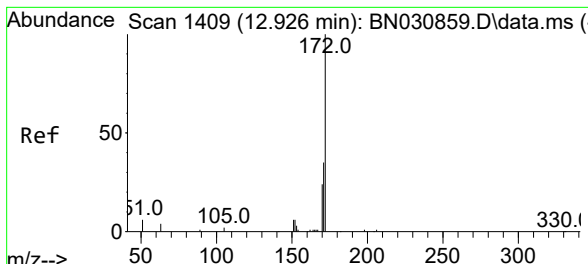
Ion Ratio Lower Upper

330 100

332 95.6 76.4 114.6

141 43.5 36.7 55.1



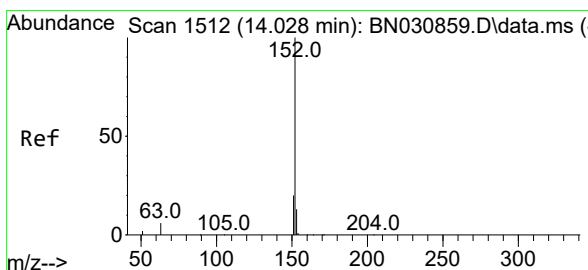
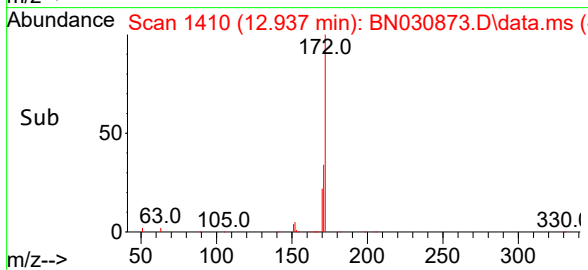
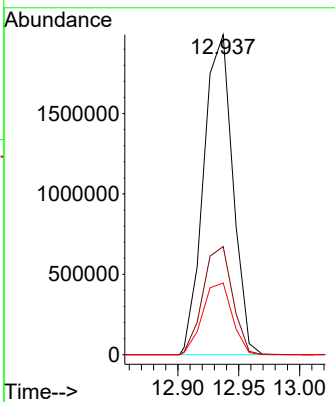
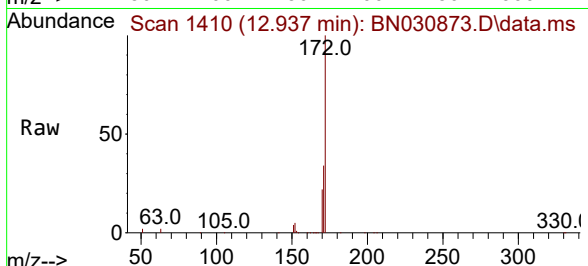


#15
 2-Fluorobiphenyl
 Concen: 80.456 ng
 RT: 12.937 min Scan# 1410
 Delta R.T. 0.011 min
 Lab File: BN030873.D
 Acq: 12 Apr 2024 22:46

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Tgt Ion:172 Resp: 2856376

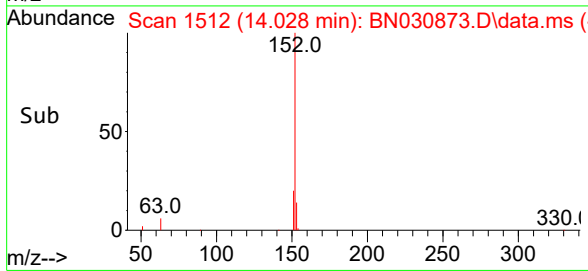
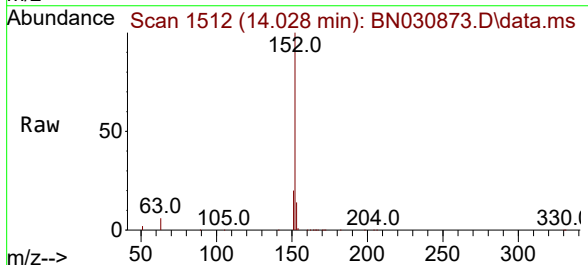
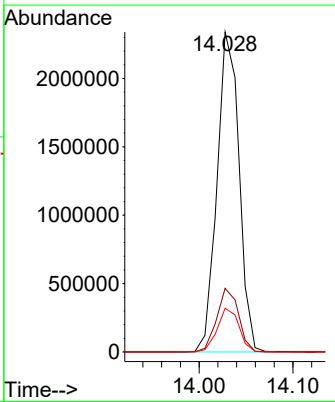
Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.4	42.6
170	22.4	19.5	29.3

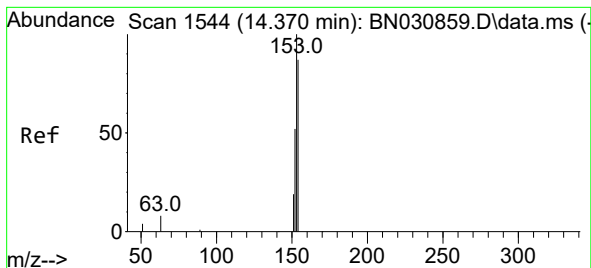


#16
 Acenaphthylene
 Concen: 87.374 ng
 RT: 14.028 min Scan# 1512
 Delta R.T. 0.000 min
 Lab File: BN030873.D
 Acq: 12 Apr 2024 22:46

Tgt Ion:152 Resp: 3823777

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.5	10.3	15.5





#17

Acenaphthene

Concen: 34.205 ng

RT: 14.370 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

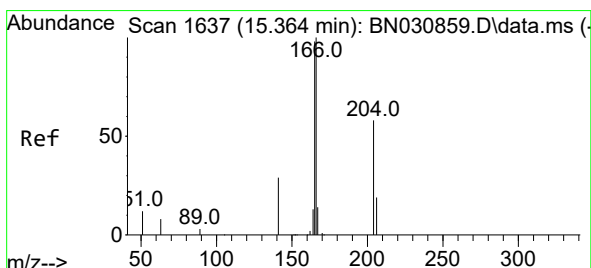
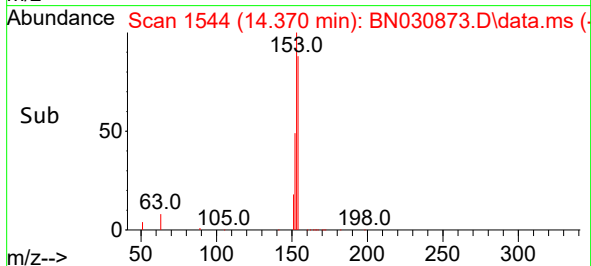
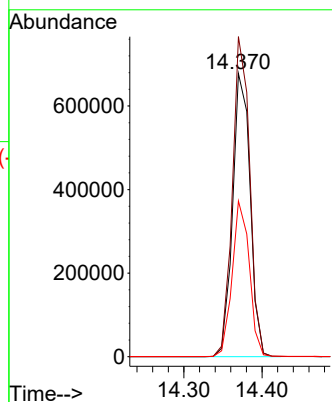
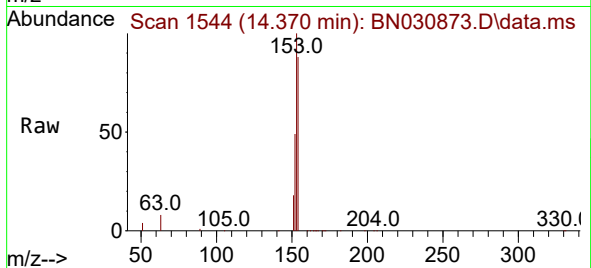
Tgt Ion:154 Resp: 1057593

Ion Ratio Lower Upper

154 100

153 111.4 91.7 137.5

152 53.8 47.0 70.6



#18

Fluorene

Concen: 97.496 ng

RT: 15.364 min Scan# 1637

Delta R.T. 0.000 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

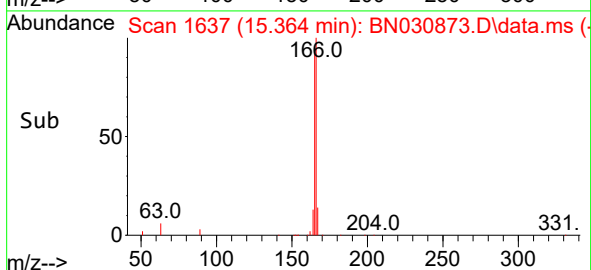
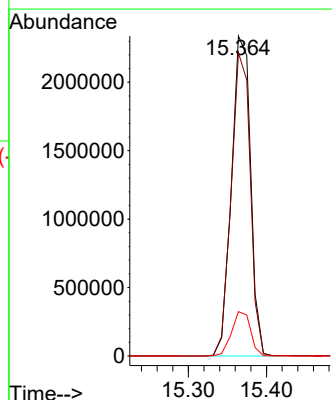
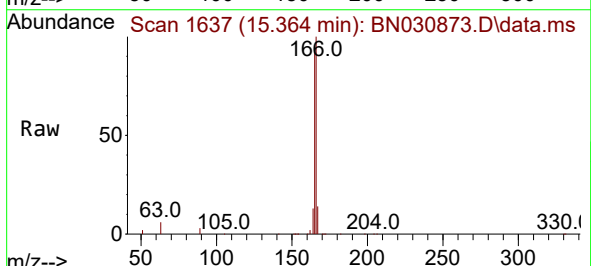
Tgt Ion:166 Resp: 3962999

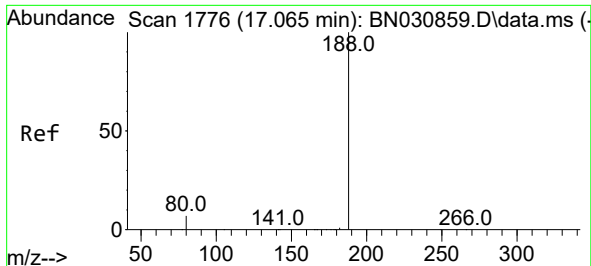
Ion Ratio Lower Upper

166 100

165 94.4 77.9 116.9

167 13.7 10.9 16.3

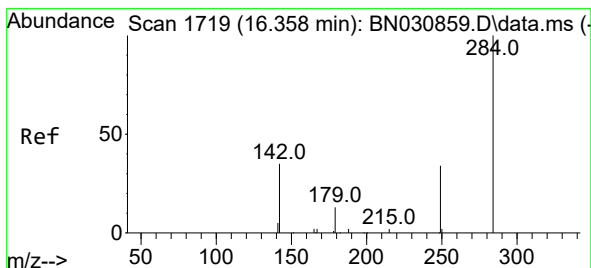
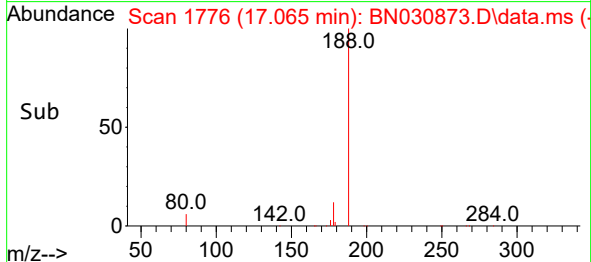
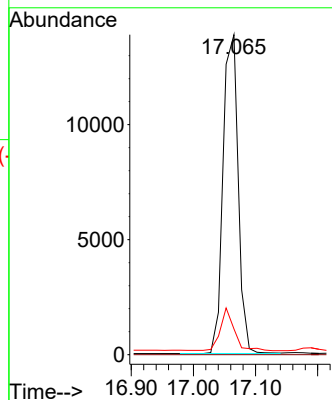
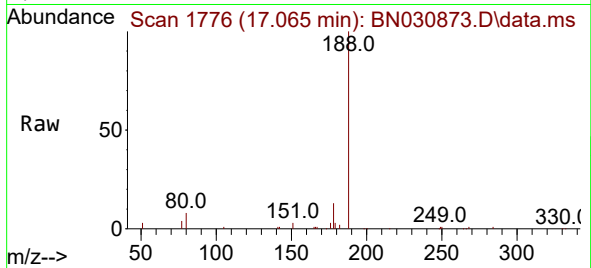




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.065 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

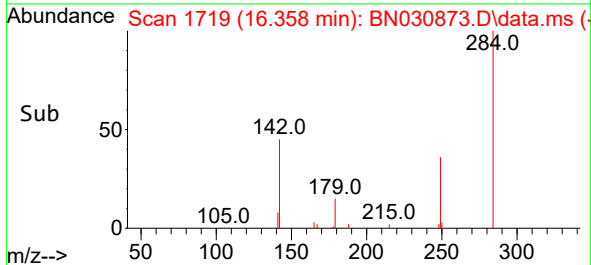
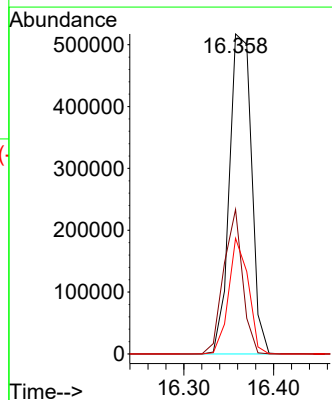
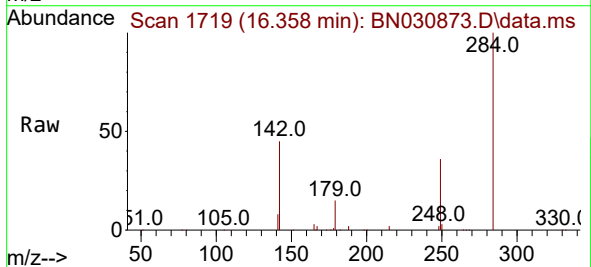
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

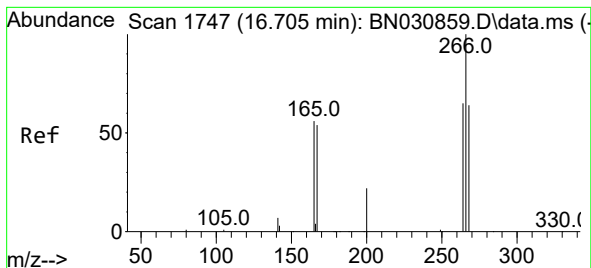
Tgt Ion:188 Resp: 23392
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.0 5.8 8.6



#22
Hexachlorobenzene
Concen: 55.135 ng
RT: 16.358 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:284 Resp: 884821
Ion Ratio Lower Upper
284 100
142 38.5 31.6 47.4
249 32.1 26.0 39.0





#24

Pentachlorophenol

Concen: 0.037 ng

RT: 16.680 min Scan# 1745

Delta R.T. -0.025 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

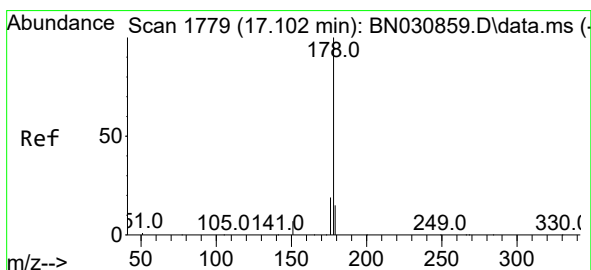
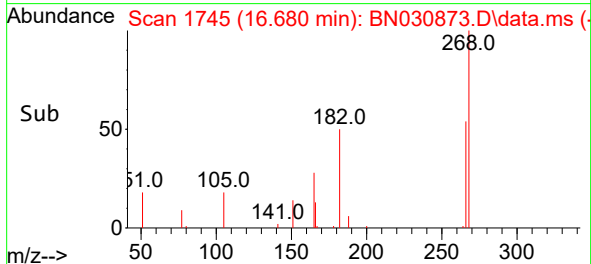
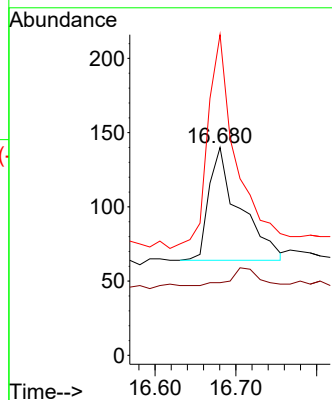
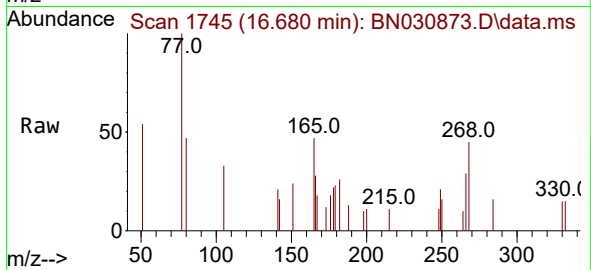
Tgt Ion:266 Resp: 202

Ion Ratio Lower Upper

266 100

264 0.0 50.6 76.0#

268 162.4 51.8 77.6#



#25

Phenanthrene

Concen: 63.463 ng

RT: 17.102 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

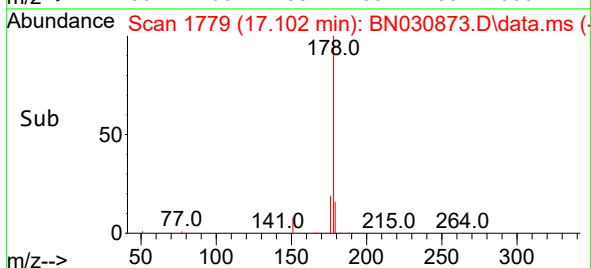
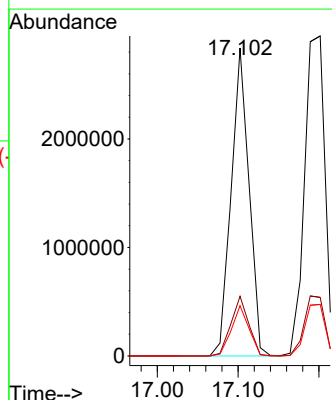
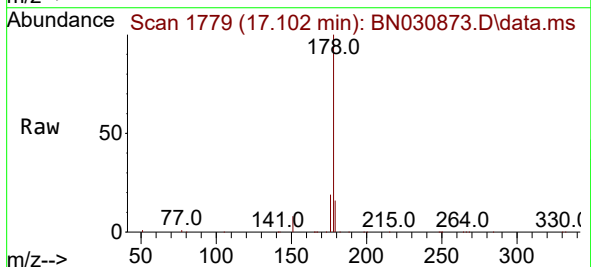
Tgt Ion:178 Resp: 4344138

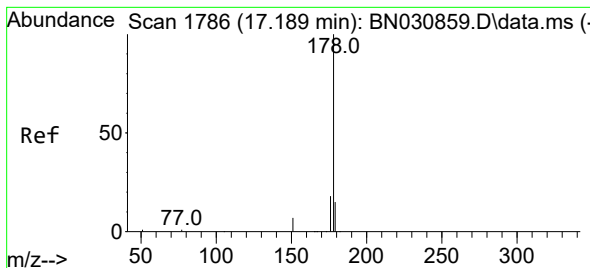
Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 16.0 12.3 18.5





#26

Anthracene

Concen: 90.928 ng

RT: 17.202 min Scan# 11

Delta R.T. 0.012 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

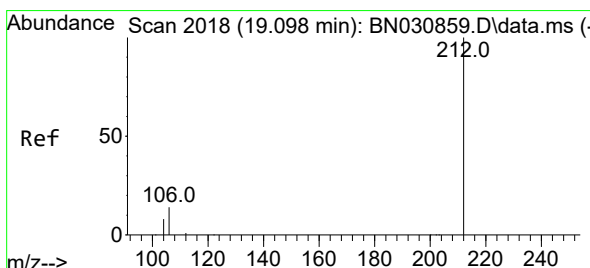
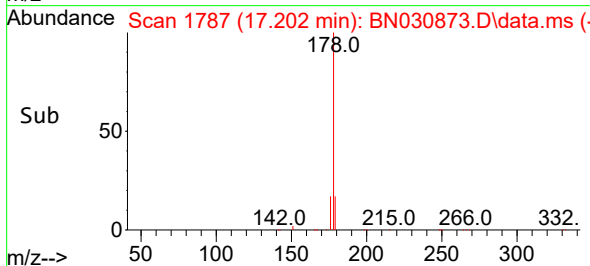
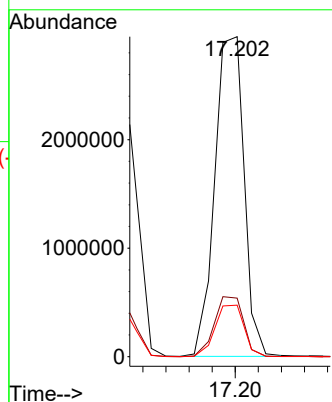
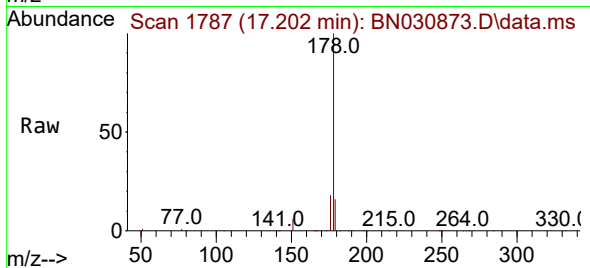
Tgt Ion:178 Resp: 5202309

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 16.0 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.003 ng

RT: 19.135 min Scan# 2026

Delta R.T. 0.037 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

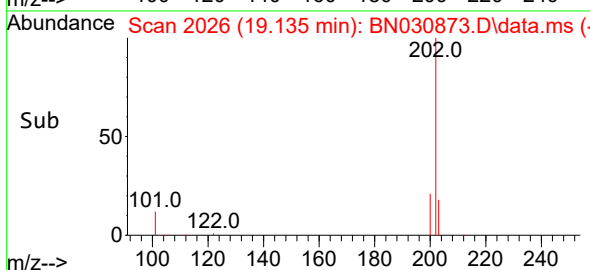
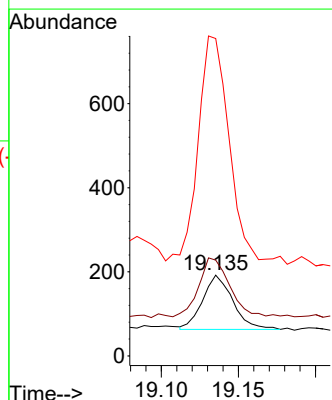
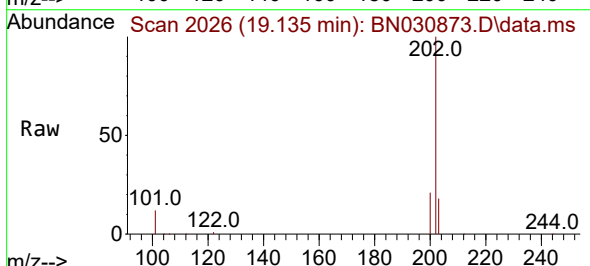
Tgt Ion:212 Resp: 176

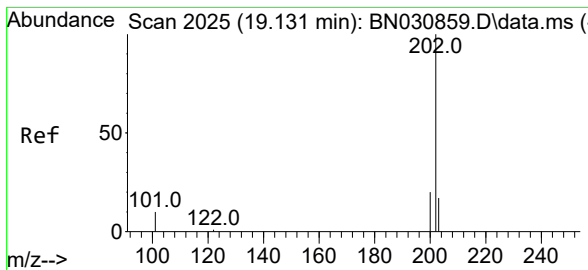
Ion Ratio Lower Upper

212 100

106 111.9 11.8 17.8#

104 418.8 6.6 10.0#





#28

Fluoranthene

Concen: 95.260 ng

RT: 19.140 min Scan# 2027

Delta R.T. 0.009 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

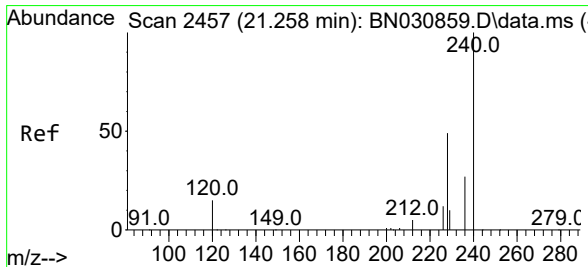
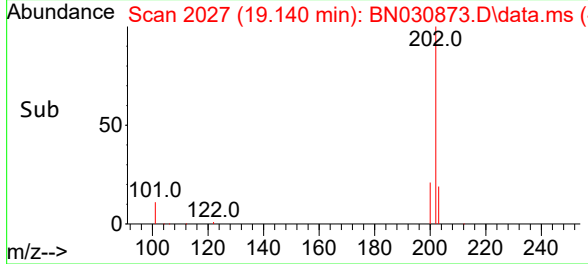
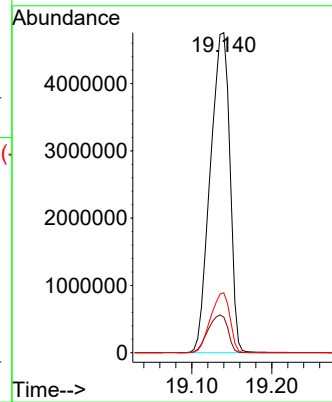
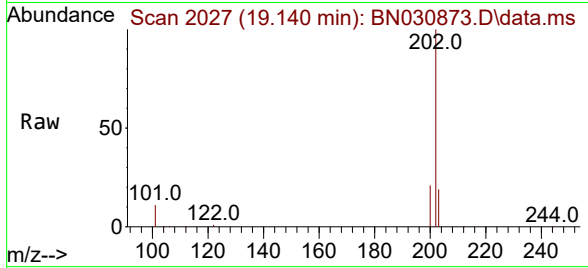
Tgt Ion:202 Resp: 8071716

Ion Ratio Lower Upper

202 100

101 12.0 9.4 14.2

203 18.4 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: BN030873.D

Acq: 12 Apr 2024 22:46

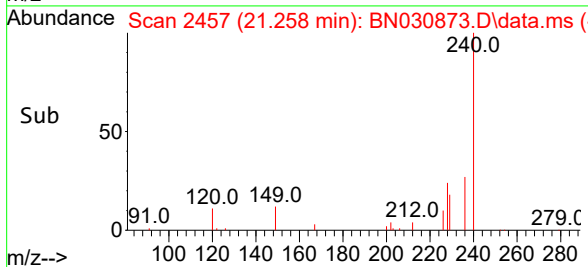
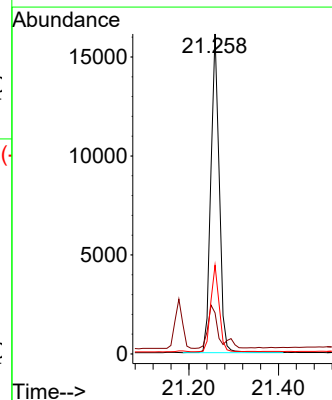
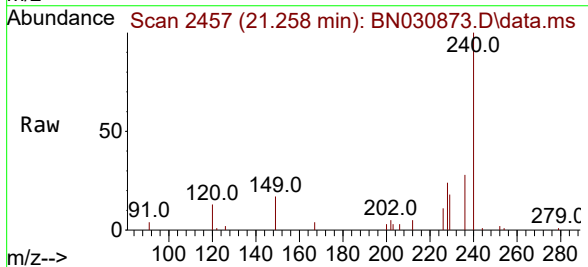
Tgt Ion:240 Resp: 21109

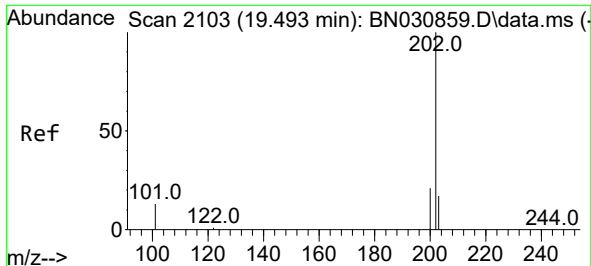
Ion Ratio Lower Upper

240 100

120 12.8 13.5 20.3#

236 27.8 22.2 33.2

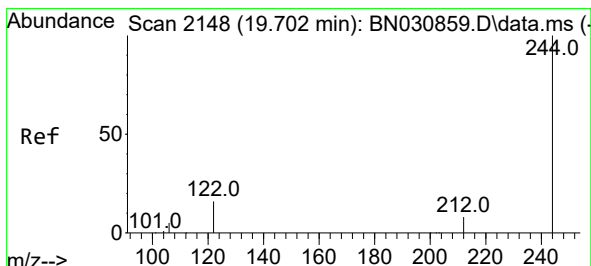
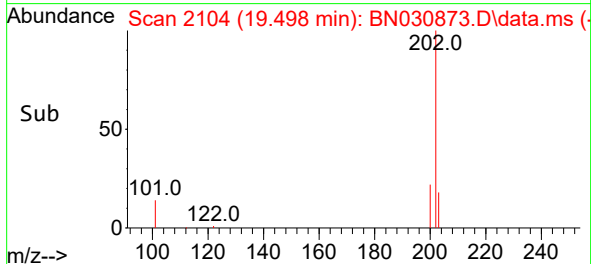
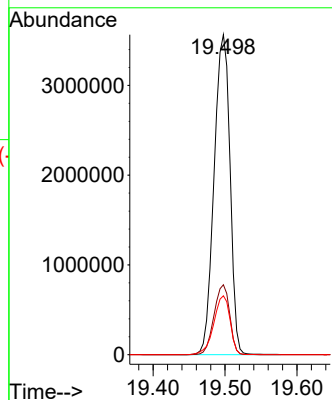
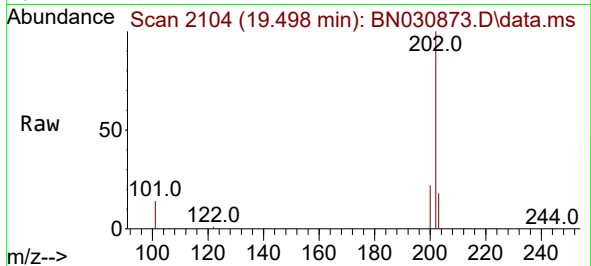




#30
Pyrene
Concen: 68.883 ng
RT: 19.498 min Scan# 2103
Delta R.T. 0.005 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

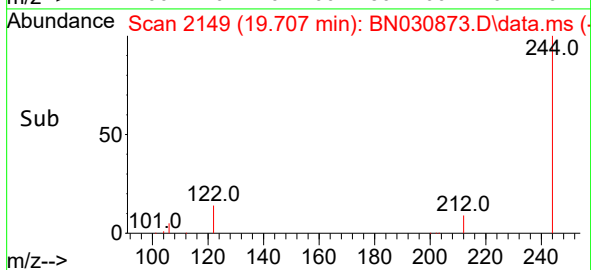
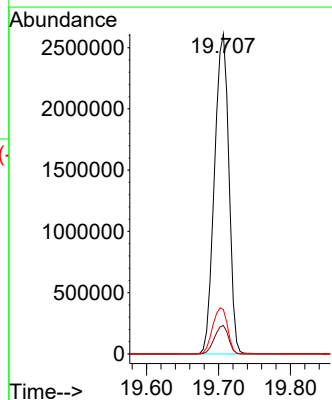
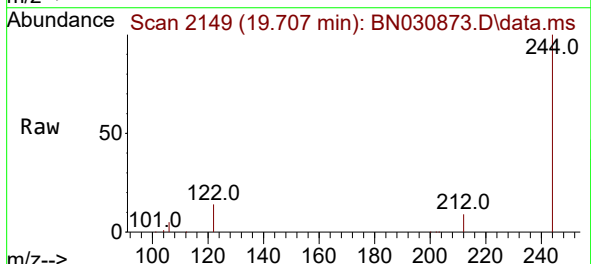
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

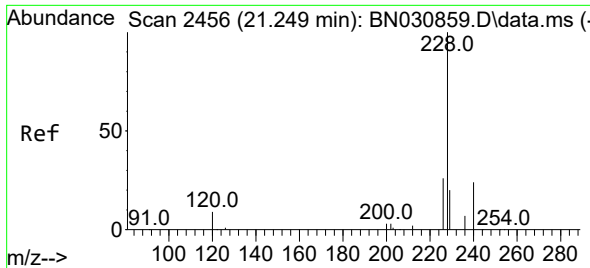
Tgt Ion:202 Resp: 5466850
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 18.9 14.4 21.6



#31
Terphenyl-d14
Concen: 75.312 ng
RT: 19.707 min Scan# 2149
Delta R.T. 0.005 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:244 Resp: 3614658
Ion Ratio Lower Upper
244 100
212 8.9 6.7 10.1
122 13.9 12.8 19.2

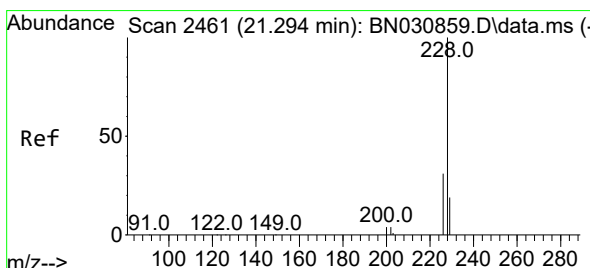
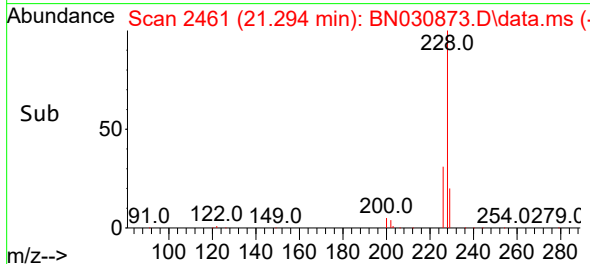
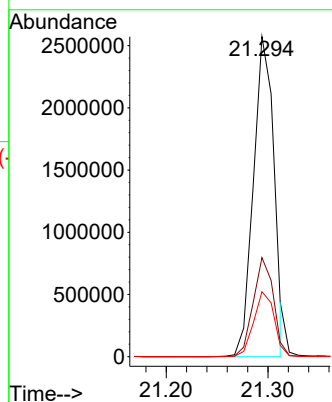
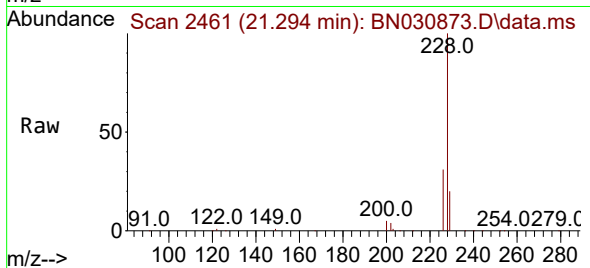




#32
Benzo(a)anthracene
Concen: 49.235 ng
RT: 21.294 min Scan# 2456
Delta R.T. 0.045 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

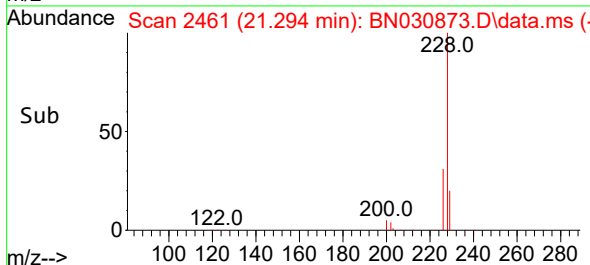
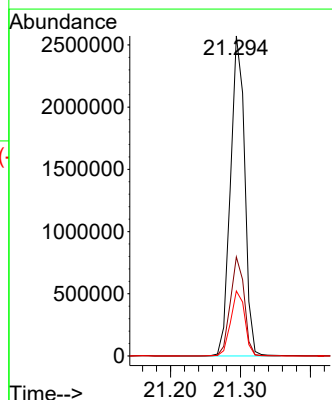
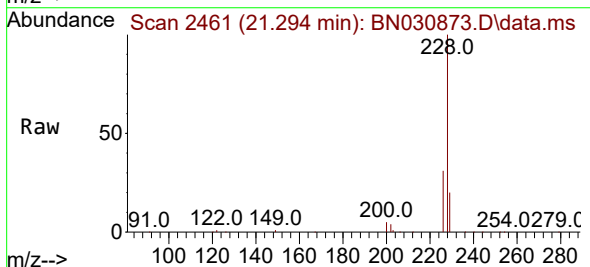
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

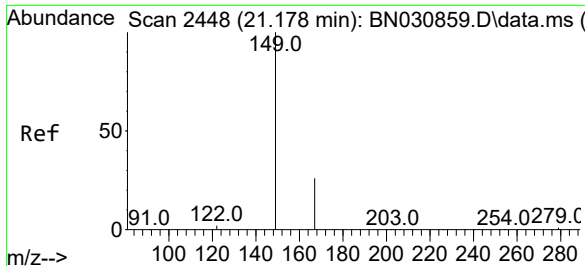
Tgt Ion:228 Resp: 3602744
Ion Ratio Lower Upper
228 100
226 30.9 21.3 31.9
229 20.3 15.8 23.8



#33
Chrysene
Concen: 46.373 ng
RT: 21.294 min Scan# 2461
Delta R.T. 0.000 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:228 Resp: 3636317
Ion Ratio Lower Upper
228 100
226 30.9 24.6 36.8
229 20.3 15.2 22.8

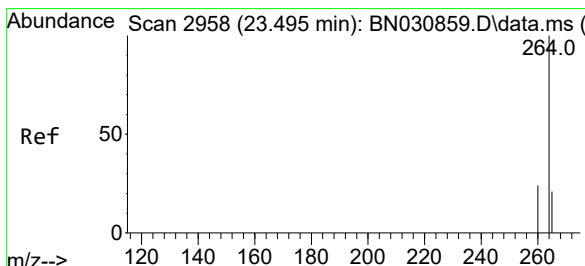
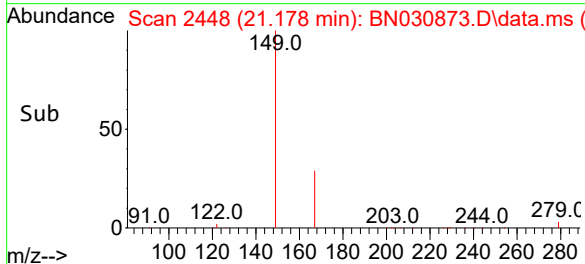
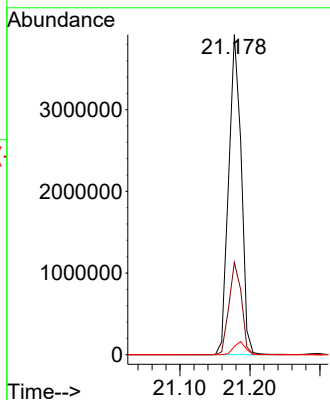
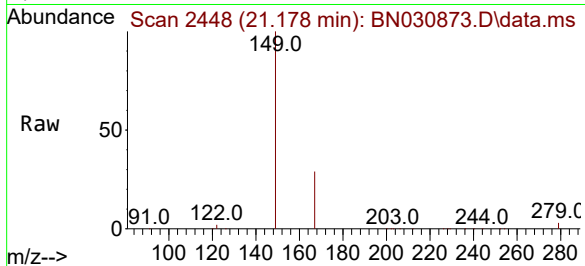




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 152.620 ng
 RT: 21.178 min Scan# 2448
 Delta R.T. -0.000 min
 Lab File: BN030873.D
 Acq: 12 Apr 2024 22:46

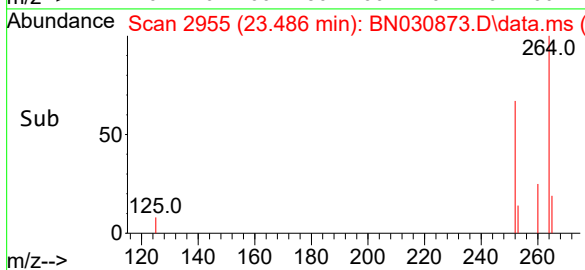
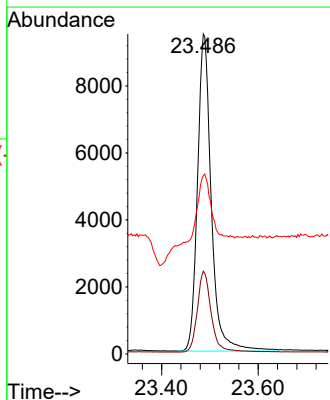
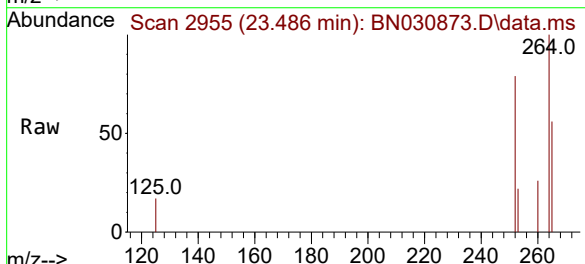
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

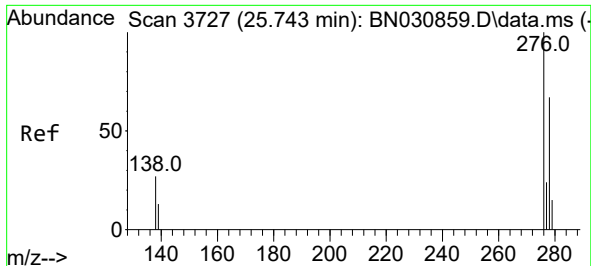
Tgt Ion:149 Resp: 4873380
 Ion Ratio Lower Upper
 149 100
 167 28.8 21.4 32.0
 279 3.7 2.6 4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.486 min Scan# 2955
 Delta R.T. -0.009 min
 Lab File: BN030873.D
 Acq: 12 Apr 2024 22:46

Tgt Ion:264 Resp: 18738
 Ion Ratio Lower Upper
 264 100
 260 25.9 19.8 29.8
 265 55.8 42.5 63.7

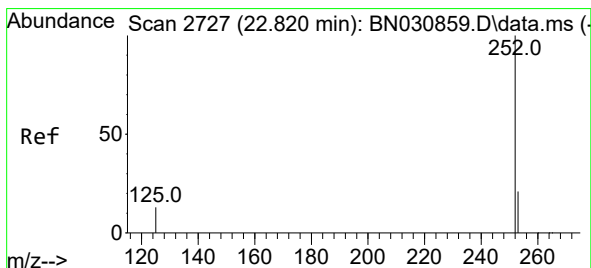
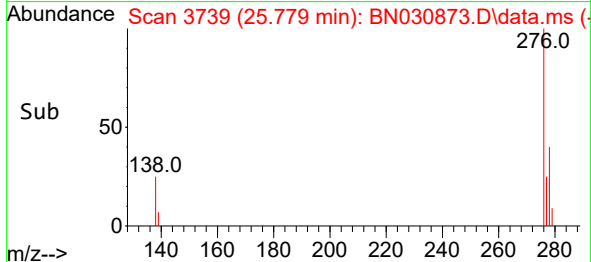
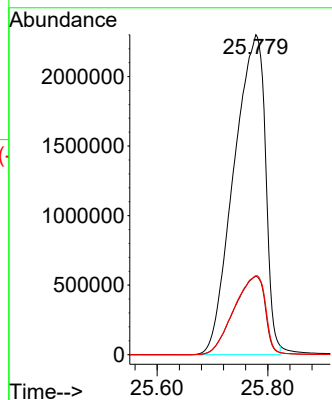
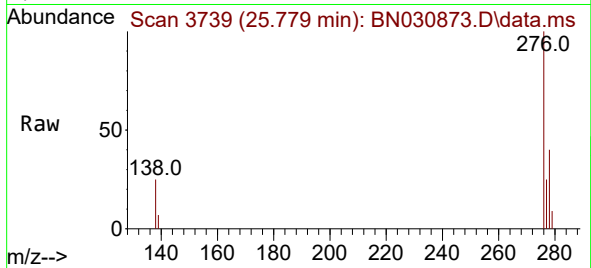




#36
Indeno(1,2,3-cd)pyrene
Concen: 123.910 ng
RT: 25.779 min Scan# 31
Delta R.T. 0.035 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

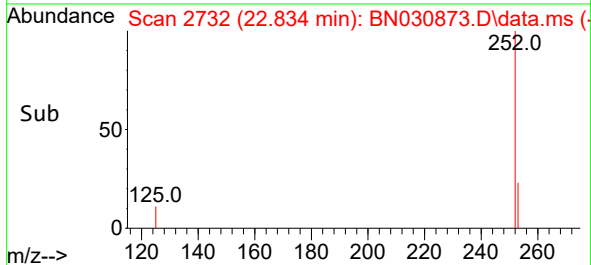
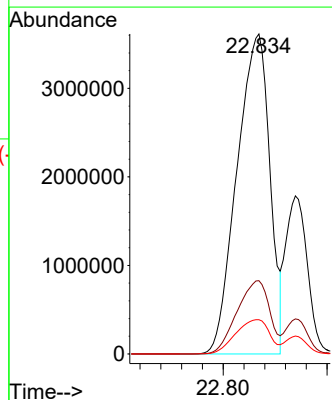
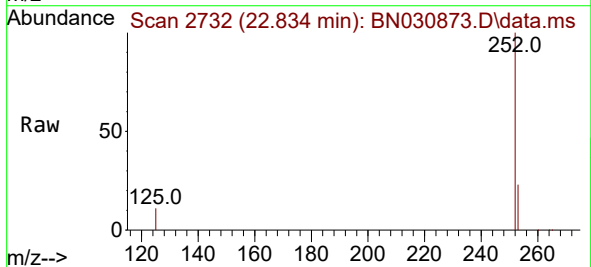
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

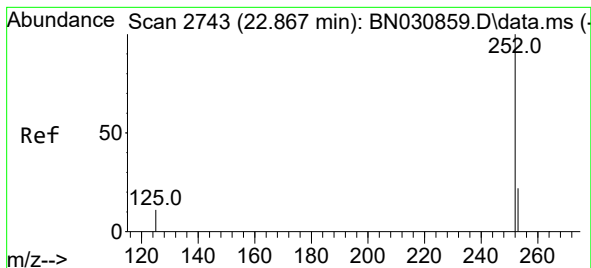
Tgt Ion:276 Resp: 9081017
Ion Ratio Lower Upper
276 100
138 24.1 22.2 33.4
277 24.7 20.0 30.0



#37
Benzo(b)fluoranthene
Concen: 95.643 ng
RT: 22.834 min Scan# 2732
Delta R.T. 0.015 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:252 Resp: 7936779
Ion Ratio Lower Upper
252 100
253 22.9 18.8 28.2
125 10.7 13.0 19.6#





#38

Benzo(k)fluoranthene

Concen: 32.965 ng

RT: 22.869 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

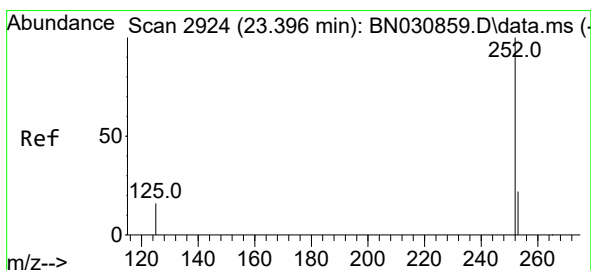
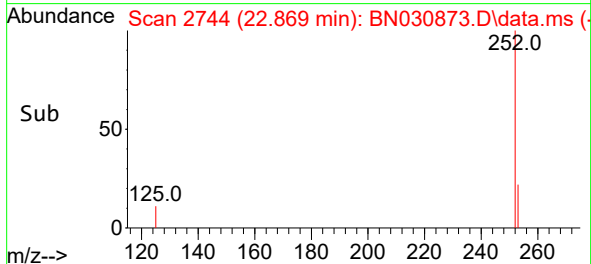
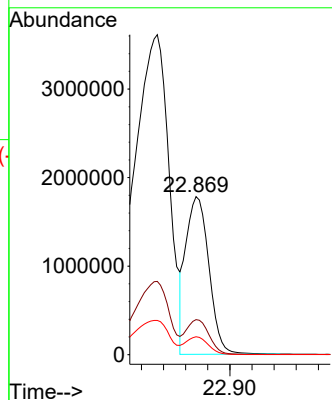
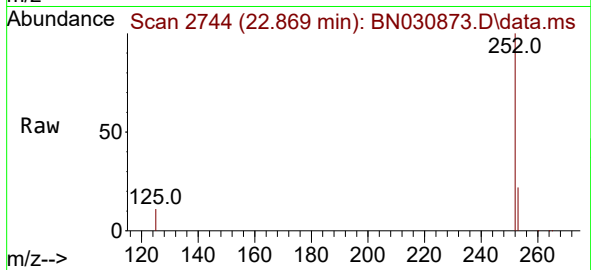
Tgt Ion:252 Resp: 2579607

Ion Ratio Lower Upper

252 100

253 22.2 19.1 28.7

125 11.3 11.6 17.4#



#39

Benzo(a)pyrene

Concen: 69.202 ng

RT: 23.396 min Scan# 2924

Delta R.T. 0.000 min

Lab File: BN030873.D

Acq: 12 Apr 2024 22:46

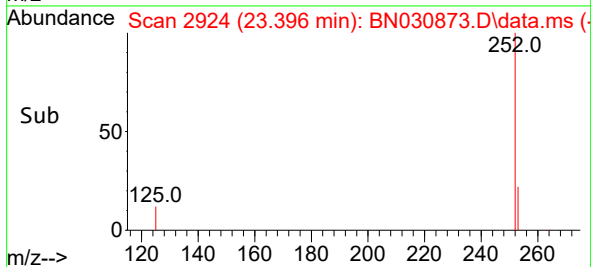
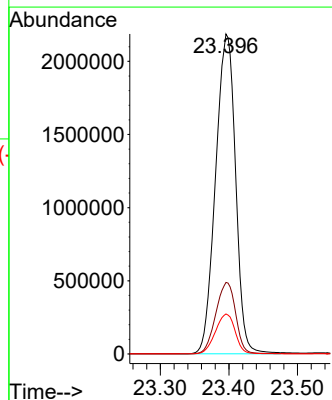
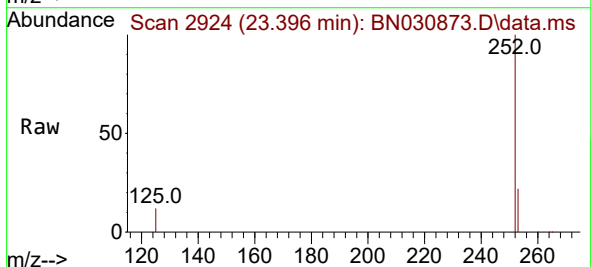
Tgt Ion:252 Resp: 4421328

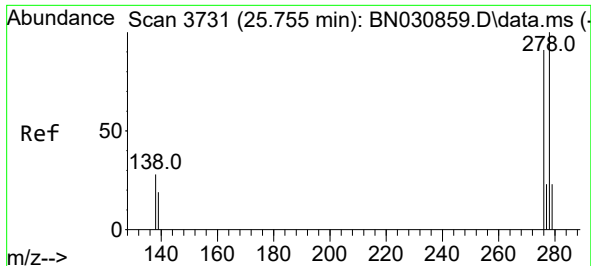
Ion Ratio Lower Upper

252 100

253 22.4 20.2 30.4

125 12.5 16.6 25.0#

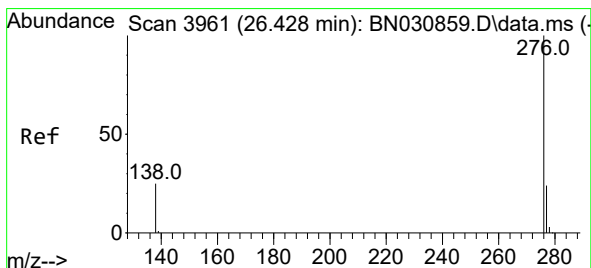
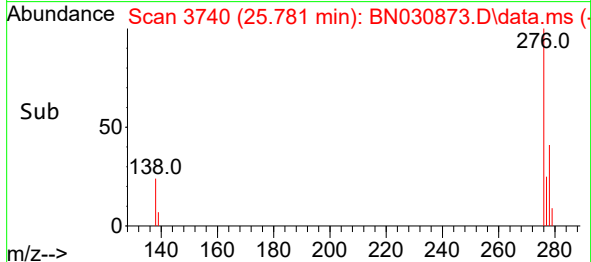
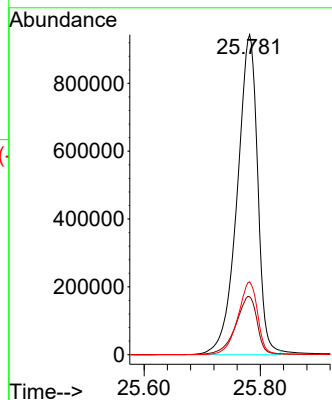
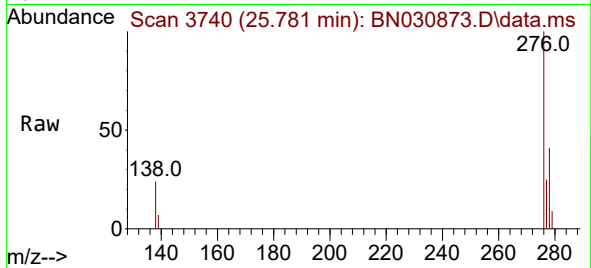




#40
Dibenzo(a,h)anthracene
Concen: 39.526 ng
RT: 25.781 min Scan# 31
Delta R.T. 0.026 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

Tgt Ion:278 Resp: 2300898
Ion Ratio Lower Upper
278 100
139 18.1 16.5 24.7
279 22.8 20.6 30.8



#41
Benzo(g,h,i)perylene
Concen: 29.058 ng
RT: 26.430 min Scan# 3962
Delta R.T. 0.003 min
Lab File: BN030873.D
Acq: 12 Apr 2024 22:46

Tgt Ion:276 Resp: 1832205
Ion Ratio Lower Upper
276 100
277 23.8 19.8 29.8
138 24.6 21.2 31.8

