

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012623\
 Data File : BN023809.D
 Acq On : 26 Jan 2023 00:15
 Operator : CG/JU
 Sample : 01259-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20230120

Quant Time: Jan 26 00:59:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 26 00:40:21 2023
 Response via : Initial Calibration

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

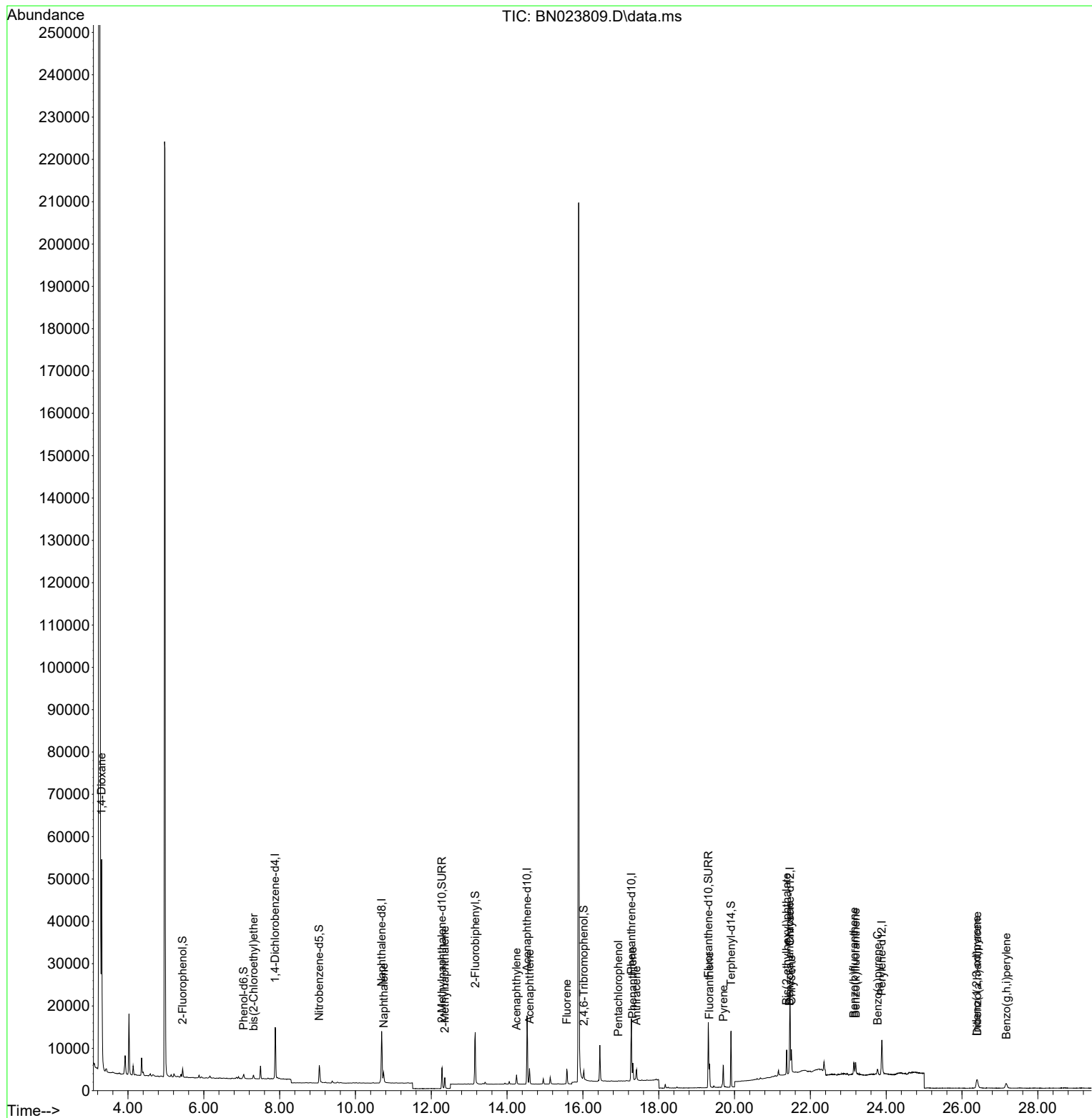
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.883	152	5811	0.400	ng	0.00
7) Naphthalene-d8	10.690	136	16292	0.400	ng	0.00
13) Acenaphthene-d10	14.527	164	8876	0.400	ng	0.00
19) Phenanthrene-d10	17.278	188	19119	0.400	ng	0.00
29) Chrysene-d12	21.464	240	15895	0.400	ng	0.00
35) Perylene-d12	23.887	264	11248	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	1592	0.130	ng	0.00
5) Phenol-d6	7.053	99	1054	0.073	ng	0.00
8) Nitrobenzene-d5	9.046	82	3801	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.284	152	7067	0.314	ng	0.00
14) 2,4,6-Tribromophenol	16.024	330	1267	0.336	ng	0.00
15) 2-Fluorobiphenyl	13.159	172	11482	0.304	ng	0.00
27) Fluoranthene-d10	19.309	212	17109	0.382	ng	0.00
31) Terphenyl-d14	19.907	244	13969	0.557	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.304	88	25751	4.179	ng	95
6) bis(2-Chloroethyl)ether	7.313	93	596	0.040	ng	98
9) Naphthalene	10.744	128	3108	0.074	ng	# 95
12) 2-Methylnaphthalene	12.356	142	1792	0.060	ng	97
16) Acenaphthylene	14.249	152	2401	0.066	ng	98
17) Acenaphthene	14.591	154	1697	0.067	ng	99
18) Fluorene	15.575	166	2306	0.064	ng	96
24) Pentachlorophenol	16.930	266	48	0.170	ng	# 84
25) Phenanthrene	17.315	178	4082	0.073	ng	98
26) Anthracene	17.415	178	3243	0.072	ng	100
28) Fluoranthene	19.338	202	4657	0.077	ng	# 97
30) Pyrene	19.705	202	4727	0.080	ng	100
32) Benzo(a)anthracene	21.446	228	3729	0.074	ng	97
33) Chrysene	21.500	228	4060	0.072	ng	96
34) Bis(2-ethylhexyl)phtha...	21.374	149	5327	0.236	ng	98
36) Indeno(1,2,3-cd)pyrene	26.386	276	2871	0.057	ng	98
37) Benzo(b)fluoranthene	23.147	252	3262	0.070	ng	# 60
38) Benzo(k)fluoranthene	23.194	252	3144	0.067	ng	# 54
39) Benzo(a)pyrene	23.773	252	2226	0.065	ng	# 43
40) Dibenzo(a,h)anthracene	26.404	278	2216	0.055	ng	# 67
41) Benzo(g,h,i)perylene	27.167	276	2526	0.059	ng	# 82

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

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ALS Vial : 14 Sample Multiplier: 1

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SP-100-20230120

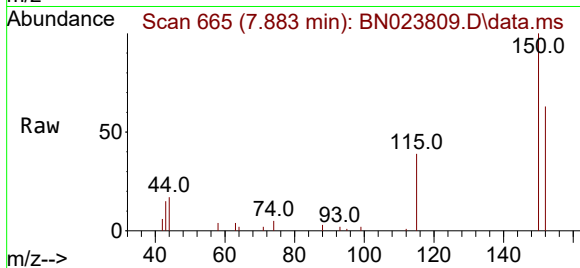
Quant Time: Jan 26 00:59:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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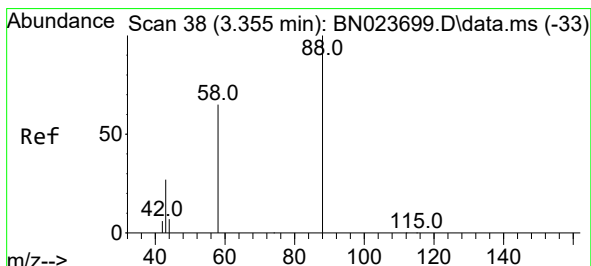
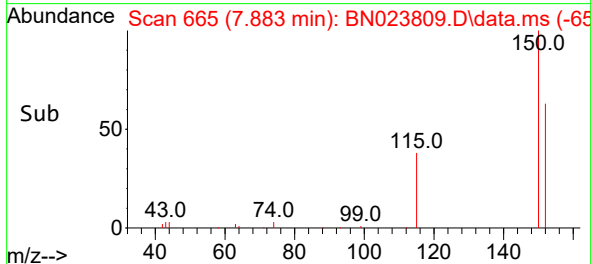
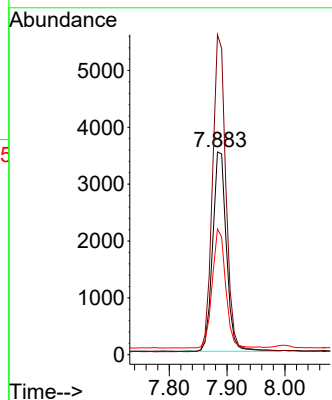


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.883 min Scan# 6
 Delta R.T. -0.008 min
 Lab File: BN023809.D
 Acq: 26 Jan 2023 00:15

Instrument :
 BNA_N
 ClientSampleId :
 SP-100-20230120

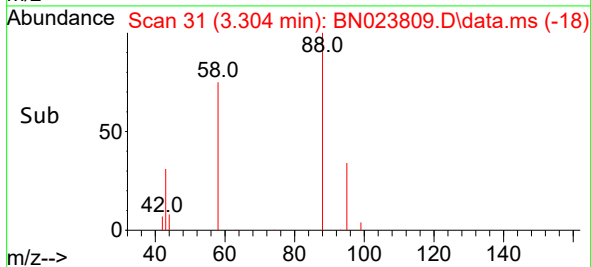
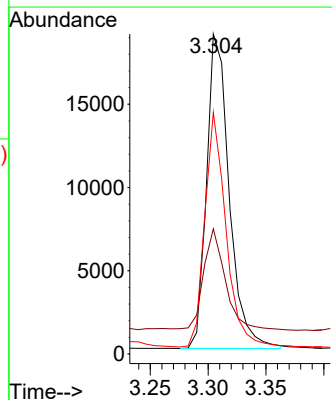
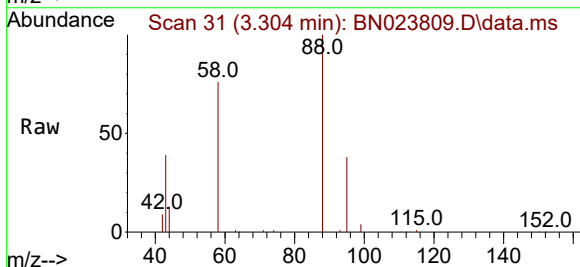


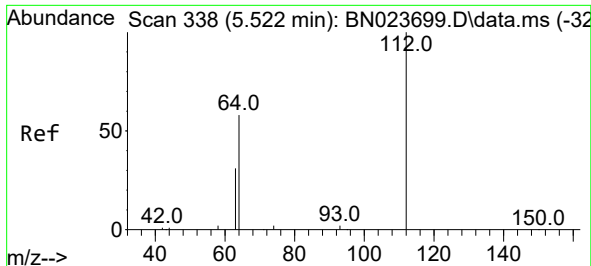
Tgt Ion:152 Resp: 5811
 Ion Ratio Lower Upper
 152 100
 150 157.8 122.4 183.6
 115 62.1 48.2 72.4



#2
 1,4-Dioxane
 Concen: 4.179 ng
 RT: 3.304 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BN023809.D
 Acq: 26 Jan 2023 00:15

Tgt Ion: 88 Resp: 25751
 Ion Ratio Lower Upper
 88 100
 43 30.1 26.8 40.2
 58 69.7 58.5 87.7

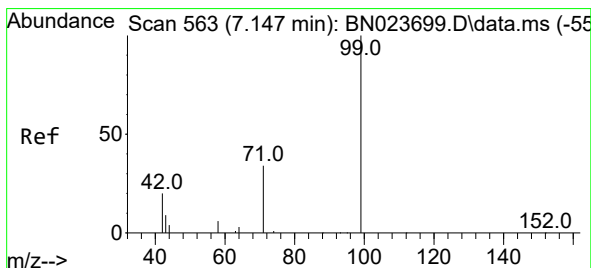
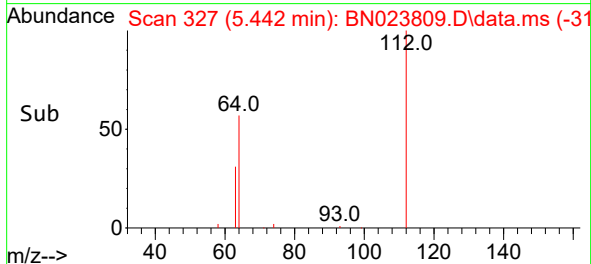
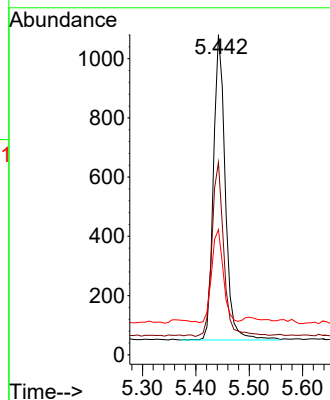
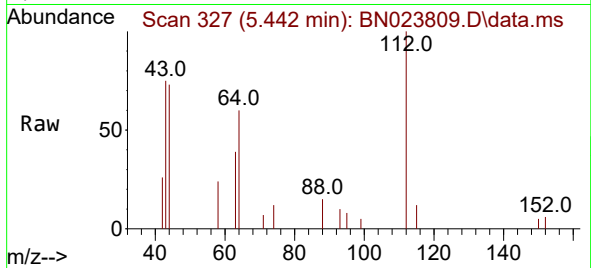




#4
2-Fluorophenol
Concen: 0.130 ng
RT: 5.442 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

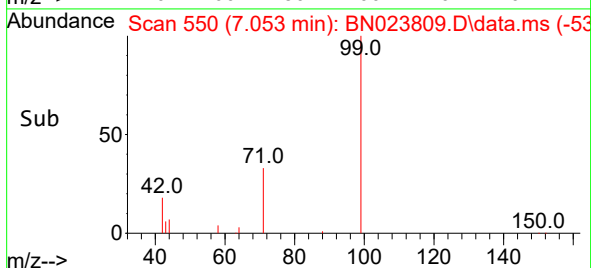
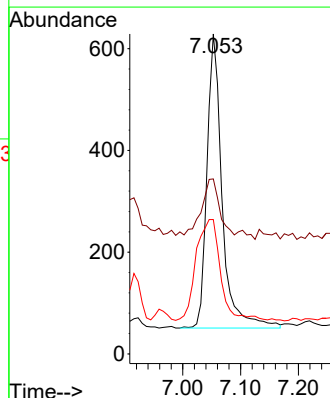
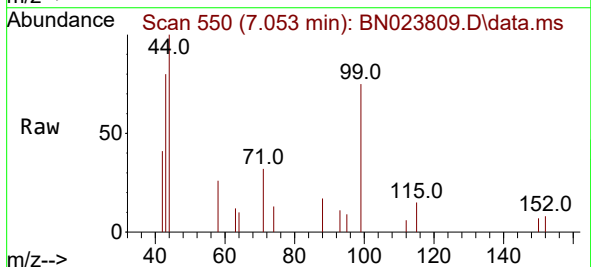
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

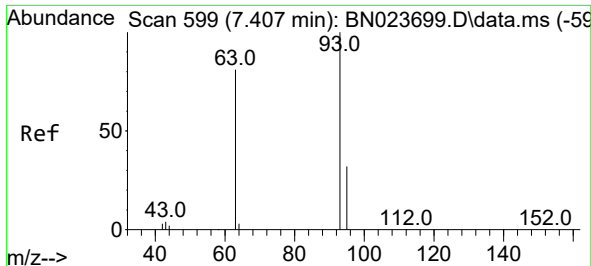
Tgt Ion:112 Resp: 1592
Ion Ratio Lower Upper
112 100
64 57.5 45.8 68.8
63 29.6 25.3 37.9



#5
Phenol-d6
Concen: 0.073 ng
RT: 7.053 min Scan# 550
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion: 99 Resp: 1054
Ion Ratio Lower Upper
99 100
42 21.4 19.4 29.0
71 54.7 28.7 43.1#

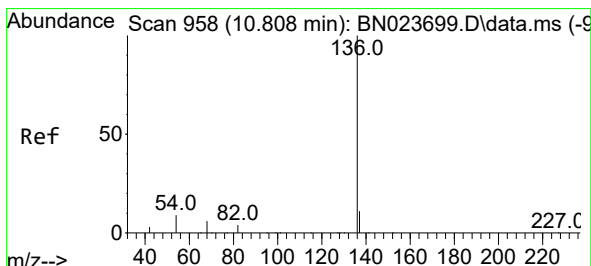
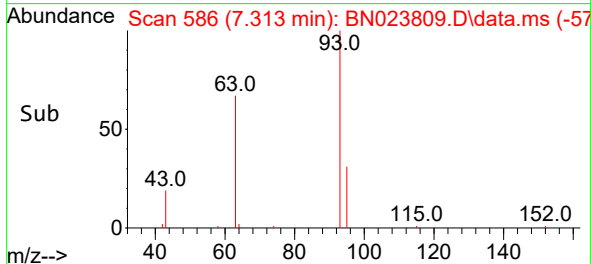
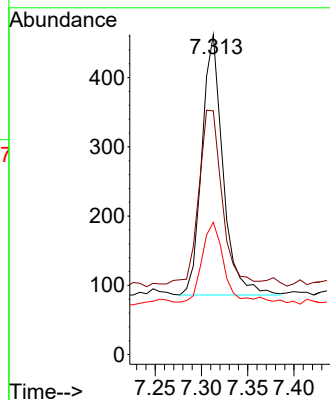
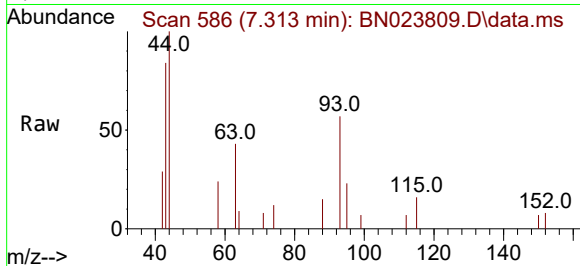




#6
bis(2-Chloroethyl)ether
Concen: 0.040 ng
RT: 7.313 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

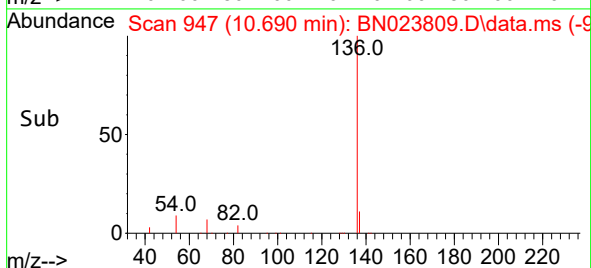
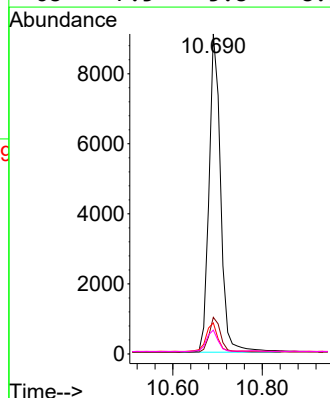
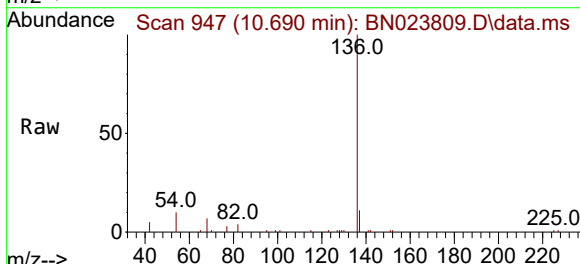
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

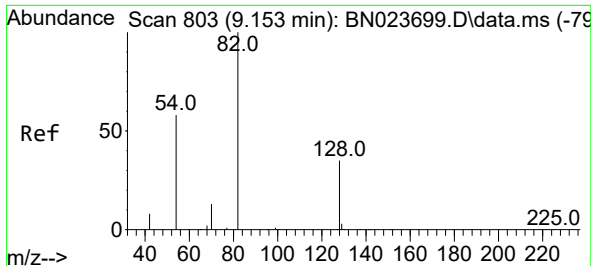
Tgt Ion:	93	Resp:	596
Ion	Ratio	Lower	Upper
93	100		
63	77.3	61.8	92.6
95	35.1	25.9	38.9



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 947
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:	136	Resp:	16292
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	9.7	7.5	11.3
68	7.5	5.8	8.8

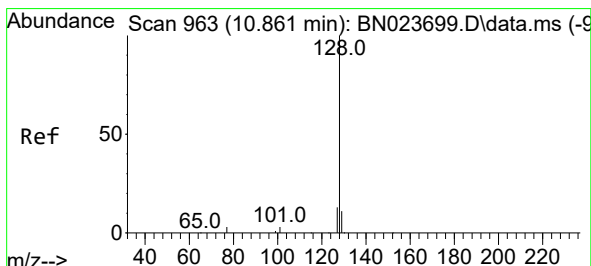
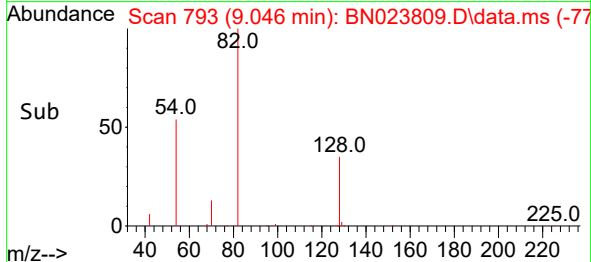
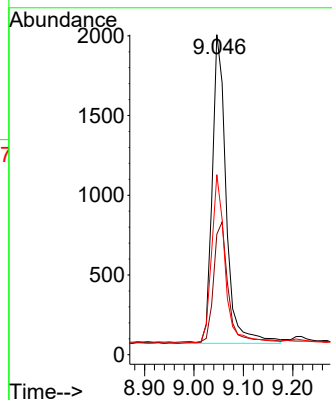
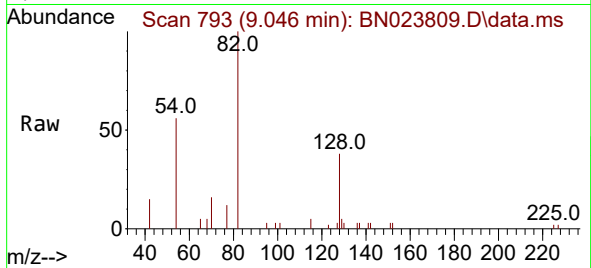




#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.046 min Scan# 793
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

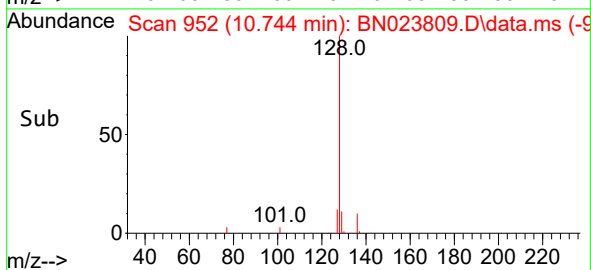
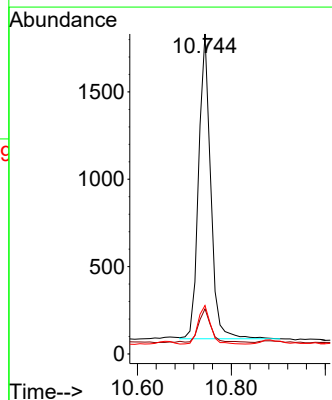
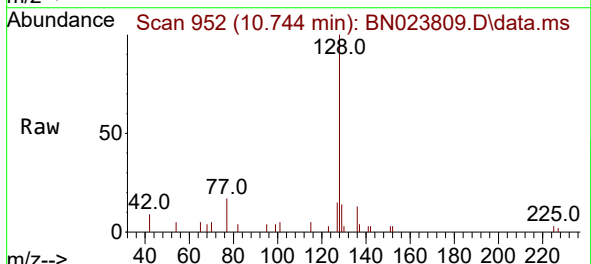
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

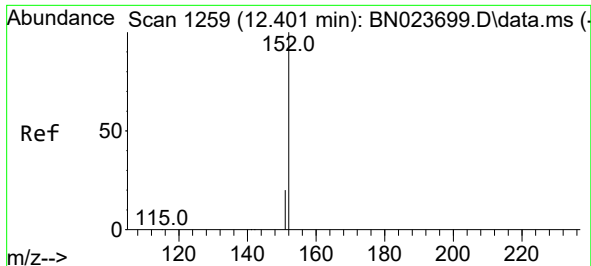
Tgt Ion: 82 Resp: 3801
Ion Ratio Lower Upper
82 100
128 37.7 30.2 45.2
54 56.3 47.3 70.9



#9
Naphthalene
Concen: 0.074 ng
RT: 10.744 min Scan# 952
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion: 128 Resp: 3108
Ion Ratio Lower Upper
128 100
129 14.1 9.2 13.8#
127 15.2 10.9 16.3





#11

2-Methylnaphthalene-d10

Concen: 0.314 ng

RT: 12.284 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

Instrument :

BNA_N

ClientSampleId :

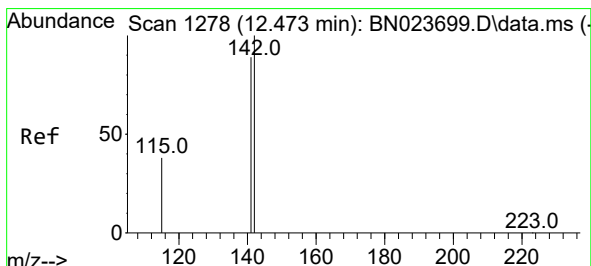
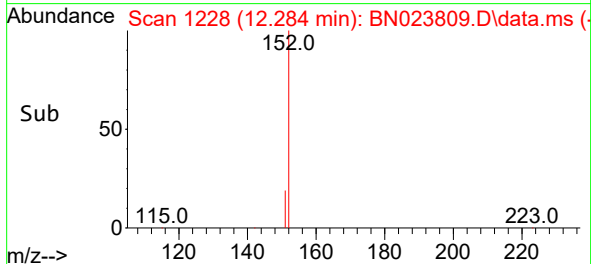
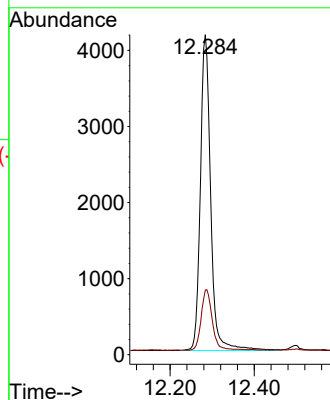
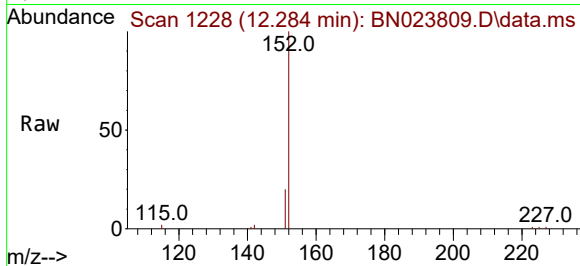
SP-100-20230120

Tgt Ion:152 Resp: 7067

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7



#12

2-Methylnaphthalene

Concen: 0.060 ng

RT: 12.356 min Scan# 1247

Delta R.T. -0.004 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

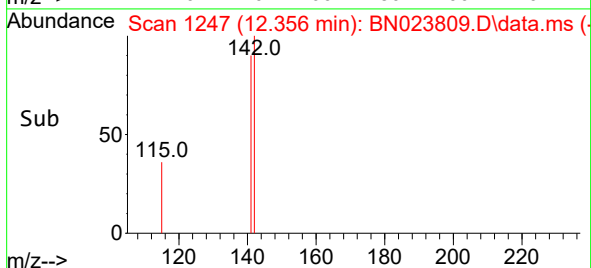
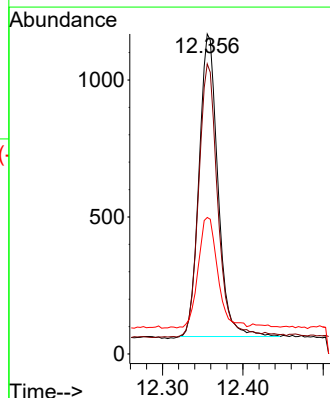
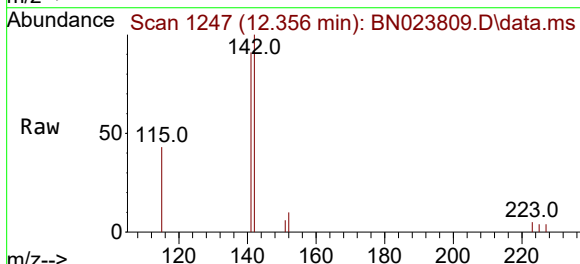
Tgt Ion:142 Resp: 1792

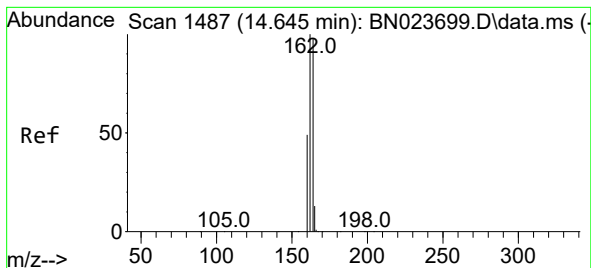
Ion Ratio Lower Upper

142 100

141 90.7 71.4 107.0

115 42.6 31.2 46.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.527 min Scan# 14

Delta R.T. 0.000 min

Lab File: BN023809.D

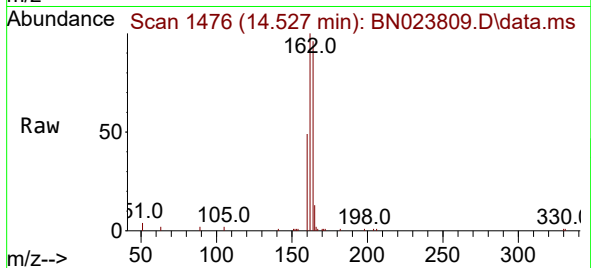
Acq: 26 Jan 2023 00:15

Instrument :

BNA_N

ClientSampleId :

SP-100-20230120



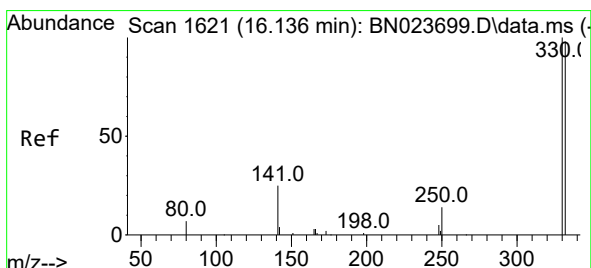
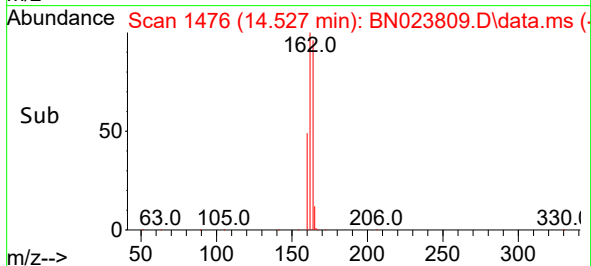
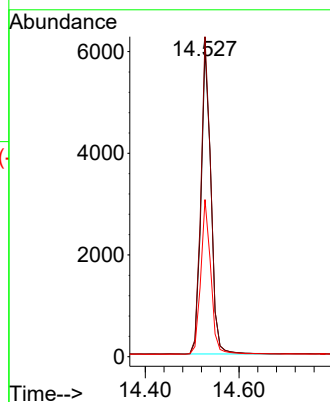
Tgt Ion:164 Resp: 8876

Ion Ratio Lower Upper

164 100

162 103.9 81.8 122.6

160 51.0 40.3 60.5



#14

2,4,6-Tribromophenol

Concen: 0.336 ng

RT: 16.024 min Scan# 1612

Delta R.T. 0.000 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

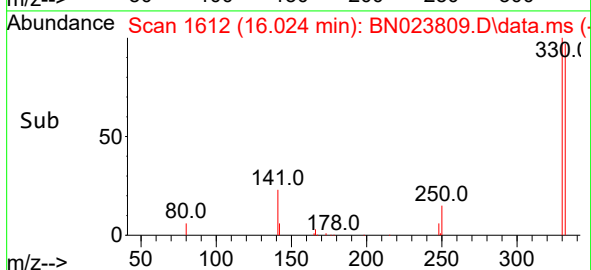
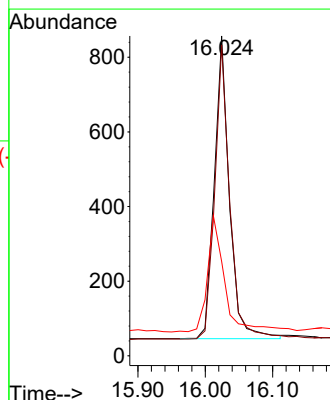
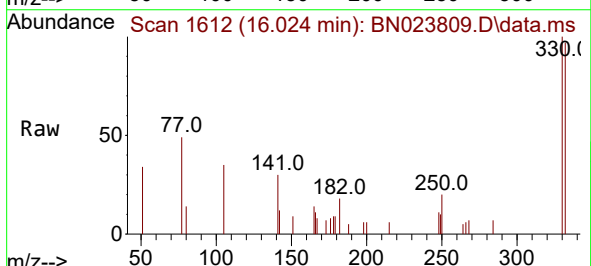
Tgt Ion:330 Resp: 1267

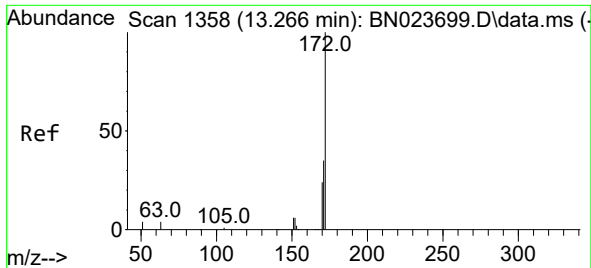
Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 43.6 35.0 52.4

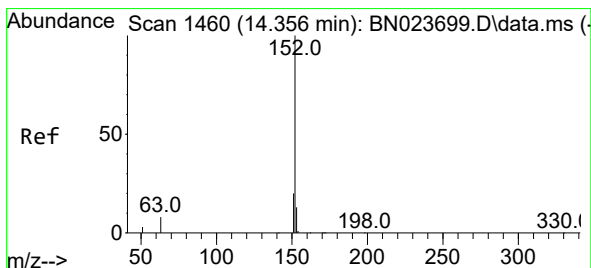
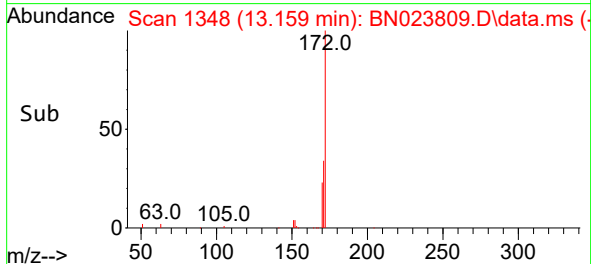
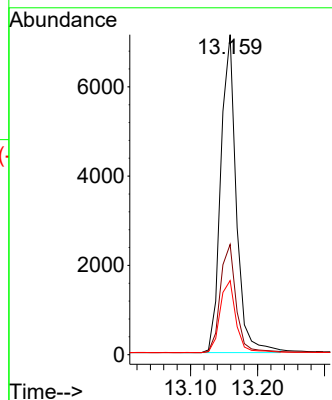
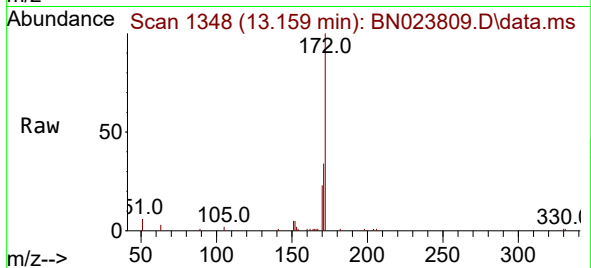




#15
2-Fluorobiphenyl
Concen: 0.304 ng
RT: 13.159 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

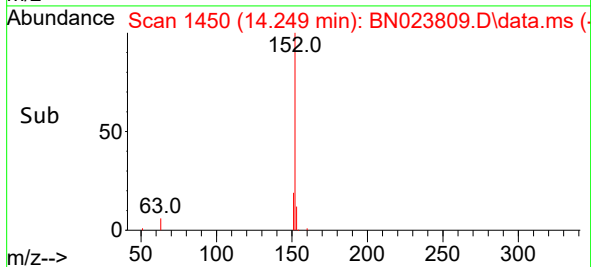
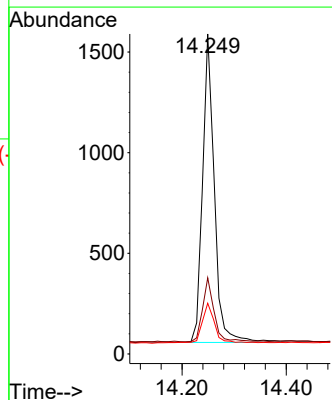
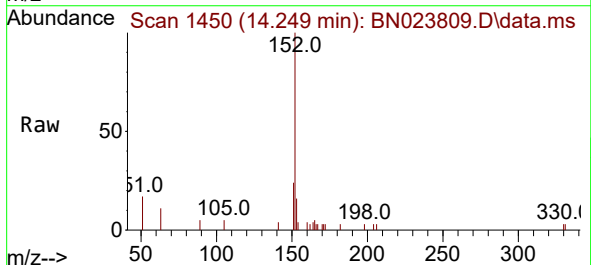
Instrument :
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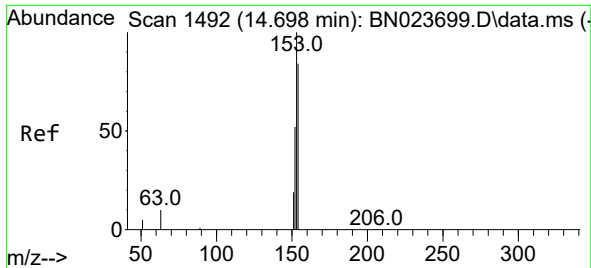
Tgt Ion:172 Resp: 11482
Ion Ratio Lower Upper
172 100
171 34.4 28.6 42.8
170 23.2 20.0 30.0



#16
Acenaphthylene
Concen: 0.066 ng
RT: 14.249 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:152 Resp: 2401
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 14.6 10.4 15.6

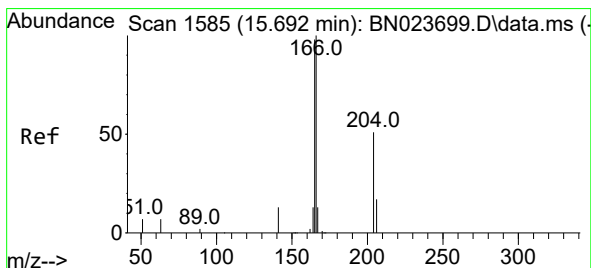
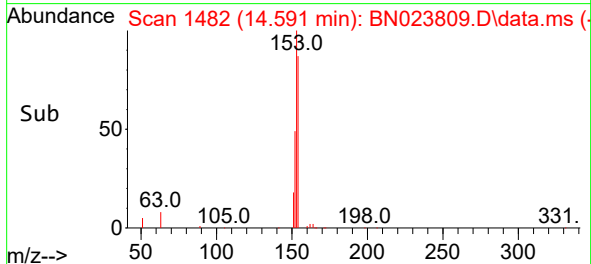
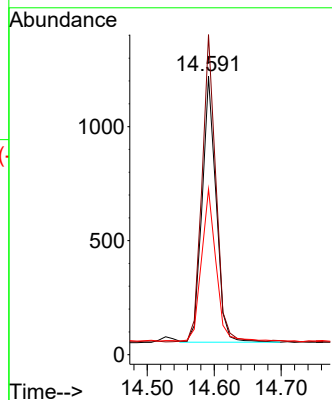
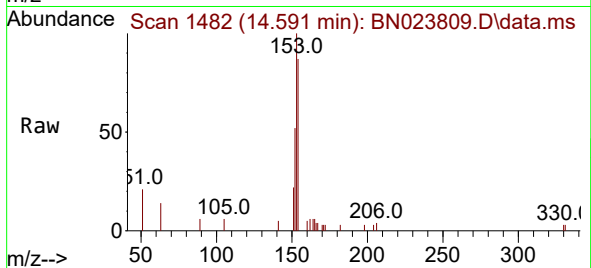




#17
Acenaphthene
Concen: 0.067 ng
RT: 14.591 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

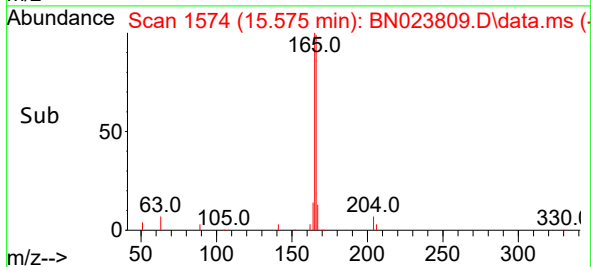
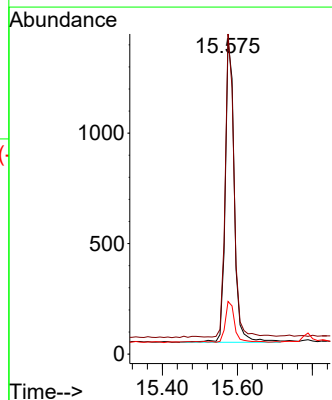
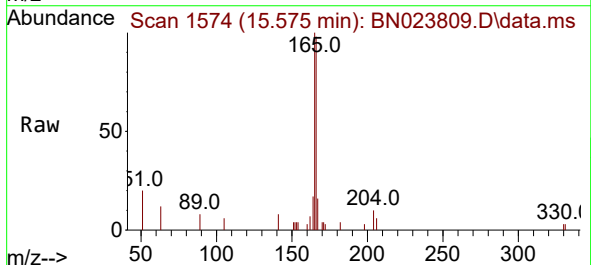
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

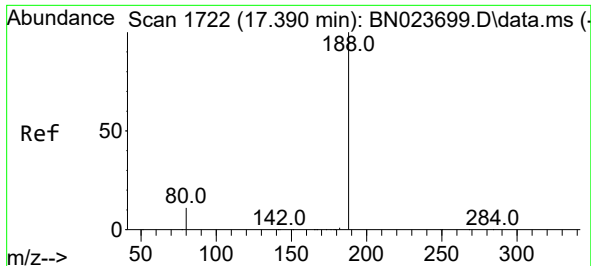
Tgt Ion:154 Resp: 1697
Ion Ratio Lower Upper
154 100
153 115.0 93.3 139.9
152 60.9 48.1 72.1



#18
Fluorene
Concen: 0.064 ng
RT: 15.575 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:166 Resp: 2306
Ion Ratio Lower Upper
166 100
165 96.5 80.6 121.0
167 14.0 10.8 16.2

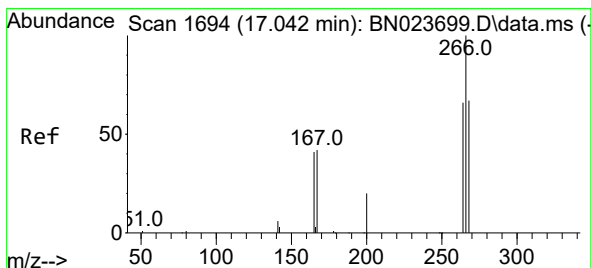
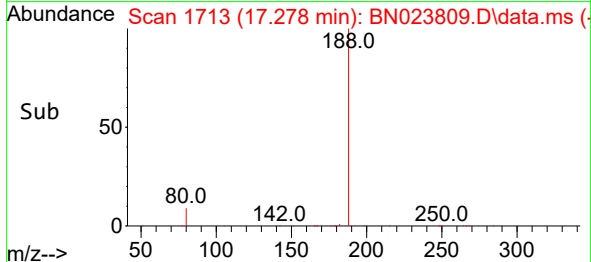
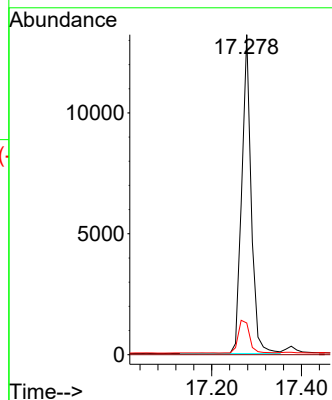
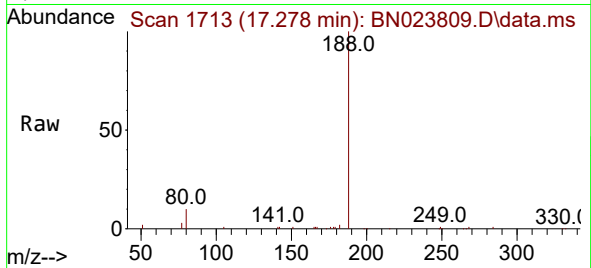




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.278 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

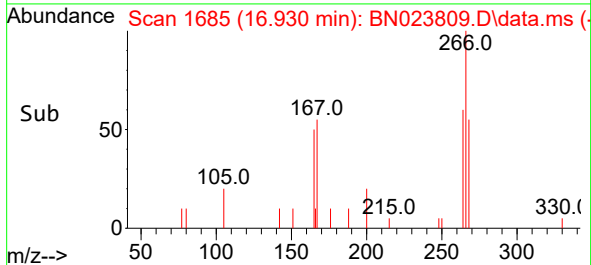
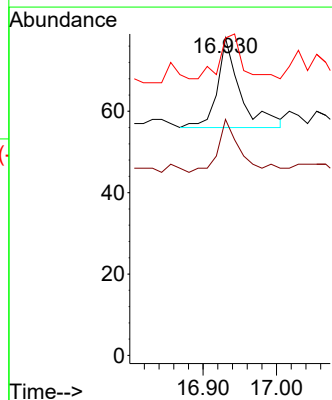
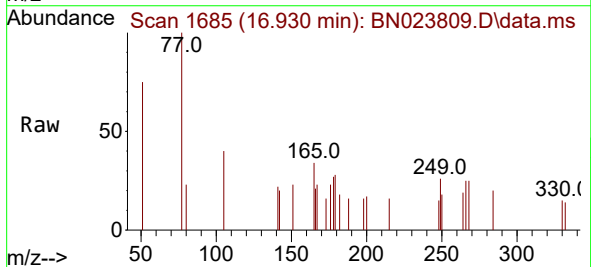
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

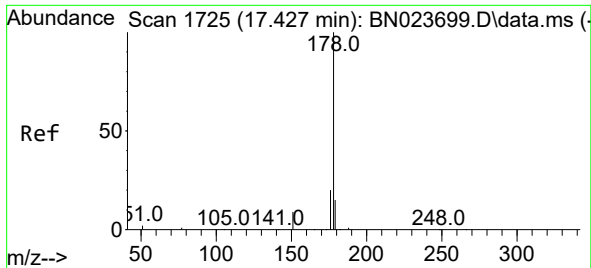
Tgt Ion:188 Resp: 19119
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 9.5 14.3



#24
Pentachlorophenol
Concen: 0.170 ng
RT: 16.930 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:266 Resp: 48
Ion Ratio Lower Upper
266 100
264 58.3 51.4 77.2
268 45.8 52.3 78.5#

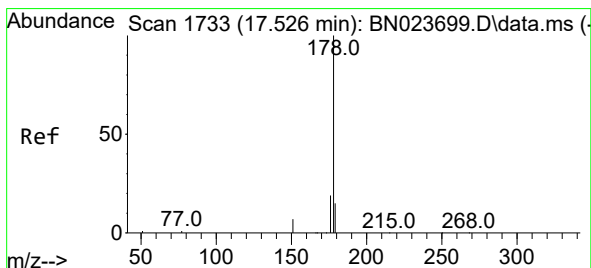
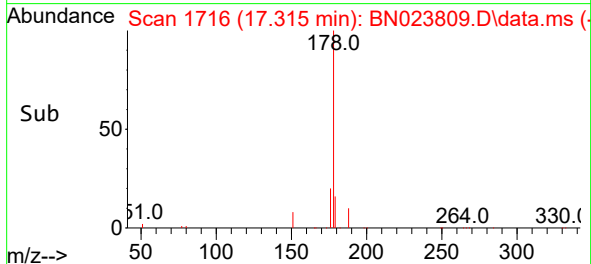
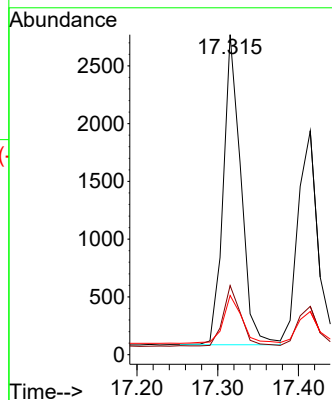
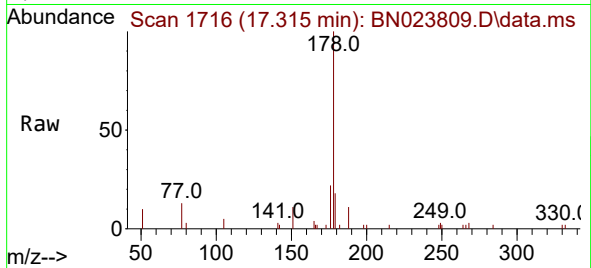




#25
Phenanthrene
Concen: 0.073 ng
RT: 17.315 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

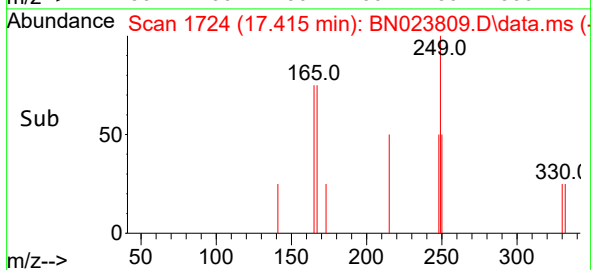
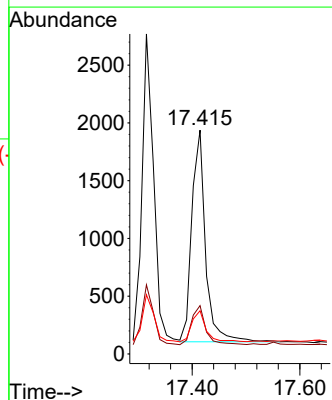
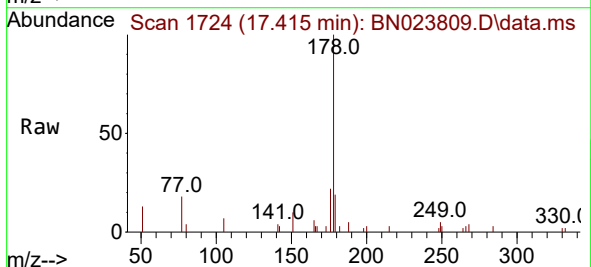
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

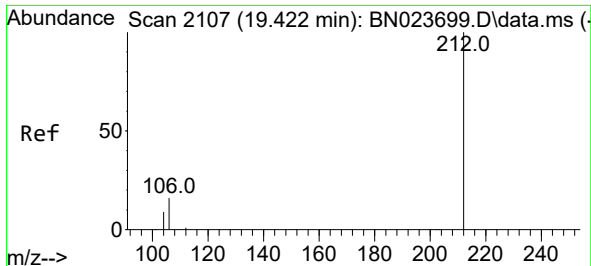
Tgt Ion:178 Resp: 4082
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 16.4 12.2 18.4



#26
Anthracene
Concen: 0.072 ng
RT: 17.415 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:178 Resp: 3243
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 15.1 12.0 18.0

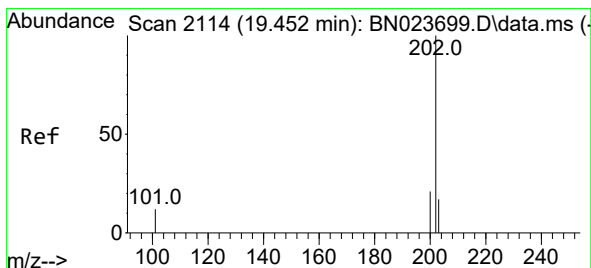
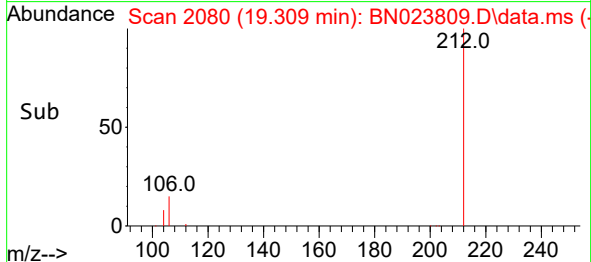
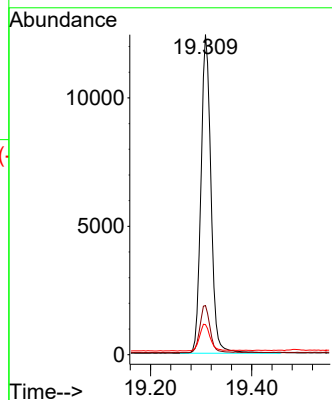
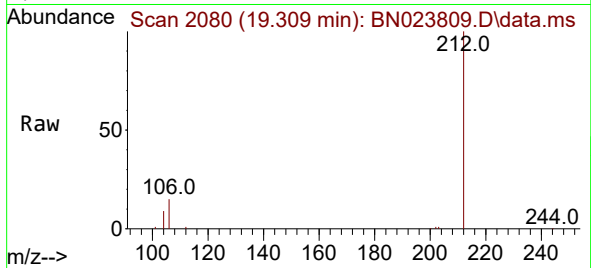




#27
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.309 min Scan# 2080
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

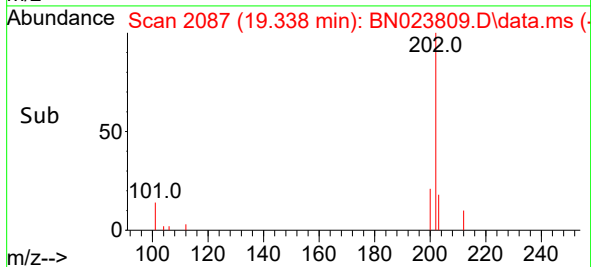
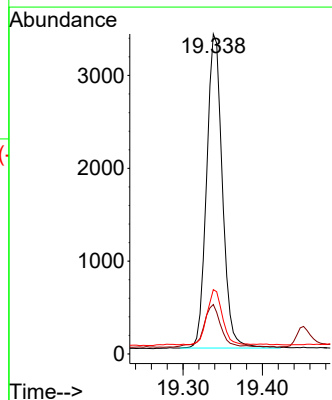
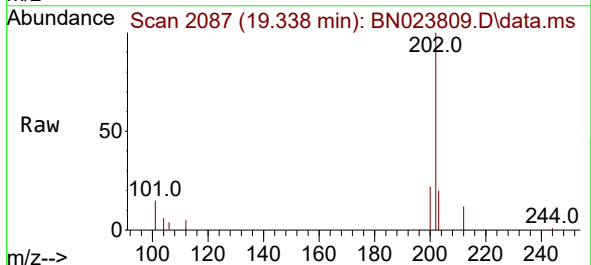
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

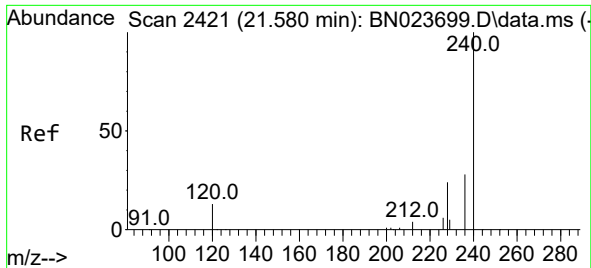
Tgt Ion:212 Resp: 17109
Ion Ratio Lower Upper
212 100
106 15.1 12.4 18.6
104 9.0 7.1 10.7



#28
Fluoranthene
Concen: 0.077 ng
RT: 19.338 min Scan# 2087
Delta R.T. -0.004 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:202 Resp: 4657
Ion Ratio Lower Upper
202 100
101 14.9 9.7 14.5#
203 17.2 13.6 20.4

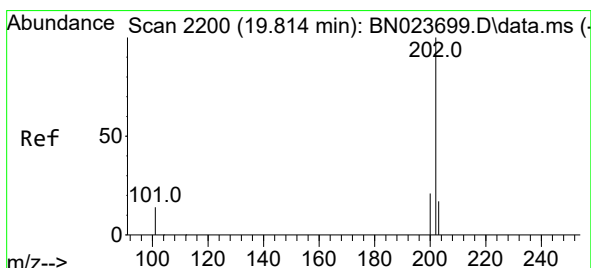
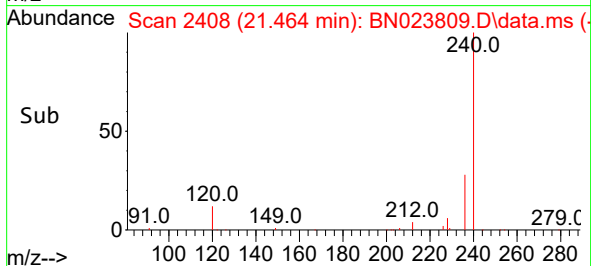
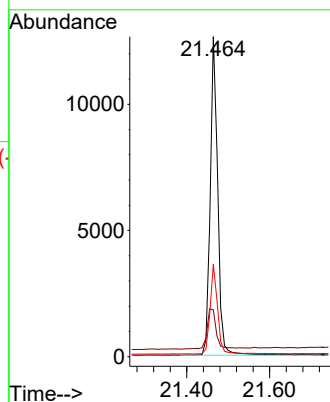
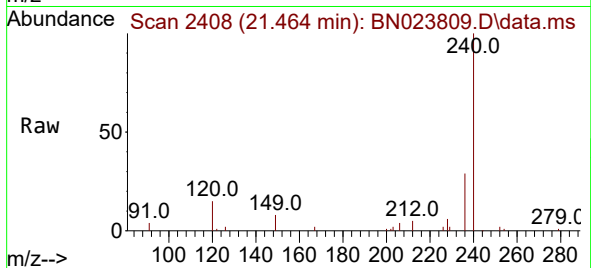




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.464 min Scan# 2421
Delta R.T. -0.009 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

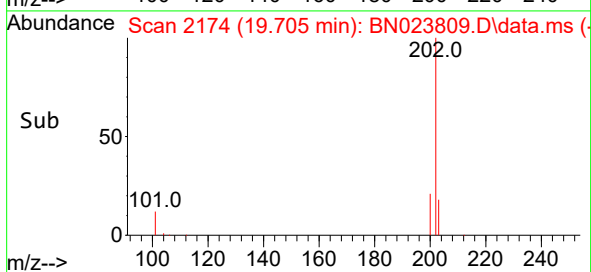
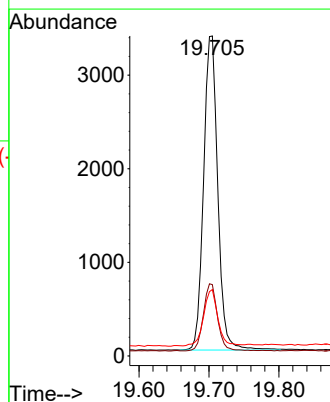
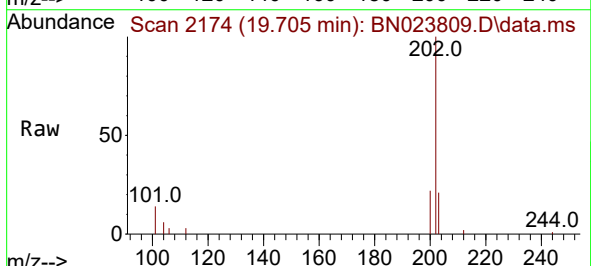
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

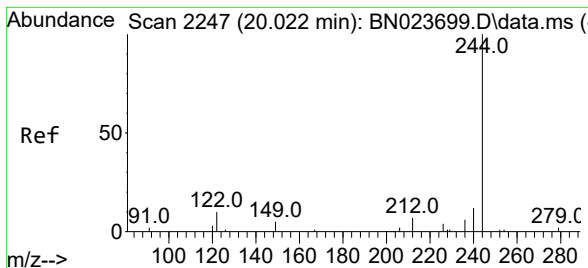
Tgt Ion:240 Resp: 15895
Ion Ratio Lower Upper
240 100
120 14.7 12.0 18.0
236 28.9 22.8 34.2



#30
Pyrene
Concen: 0.080 ng
RT: 19.705 min Scan# 2174
Delta R.T. 0.000 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:202 Resp: 4727
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.9 14.4 21.6





#31

Terphenyl-d14

Concen: 0.557 ng

RT: 19.907 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

Instrument :

BNA_N

ClientSampleId :

SP-100-20230120

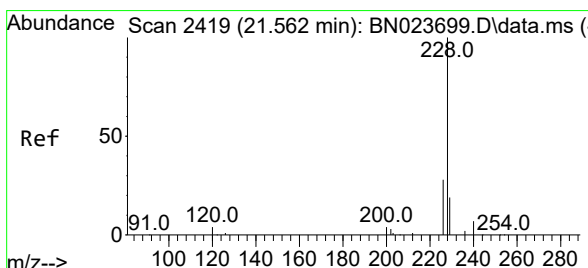
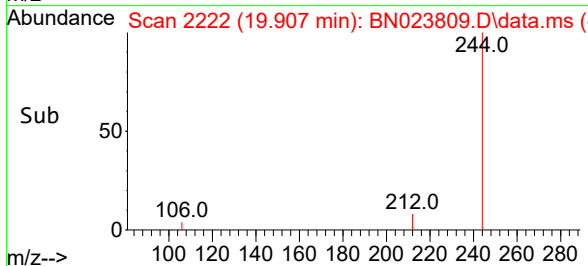
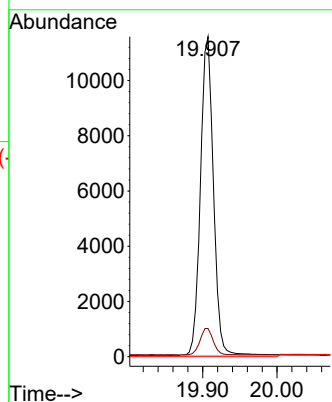
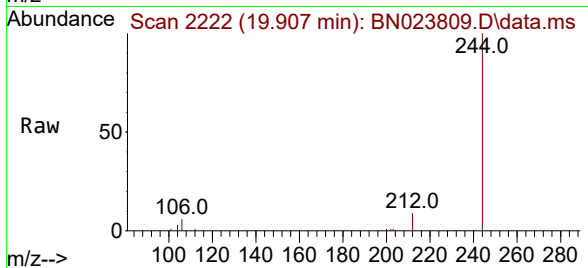
Tgt Ion:244 Resp: 13969

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

122 0.0 7.6 11.4#



#32

Benzo(a)anthracene

Concen: 0.074 ng

RT: 21.446 min Scan# 2406

Delta R.T. -0.009 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

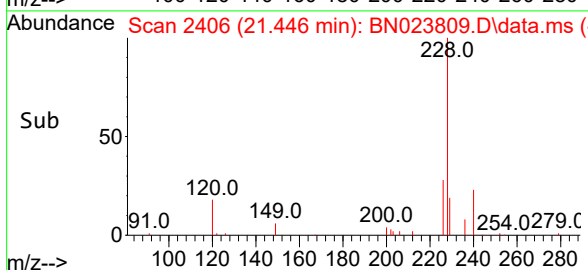
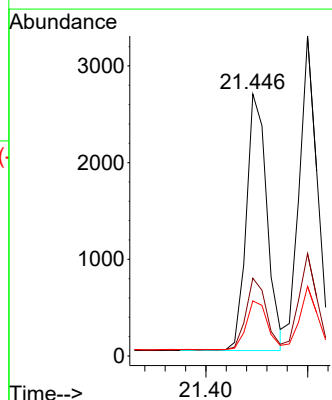
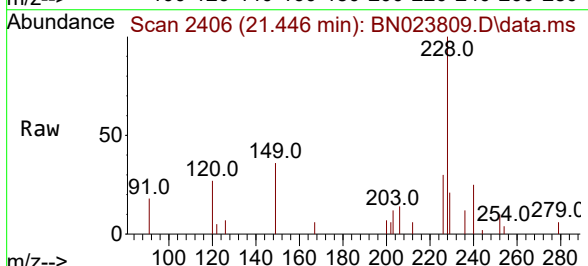
Tgt Ion:228 Resp: 3729

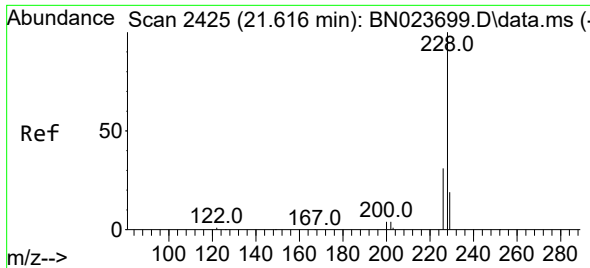
Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

229 21.0 15.5 23.3





#33

Chrysene

Concen: 0.072 ng

RT: 21.500 min Scan# 2425

Delta R.T. -0.009 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

Instrument :

BNA_N

ClientSampleId :

SP-100-20230120

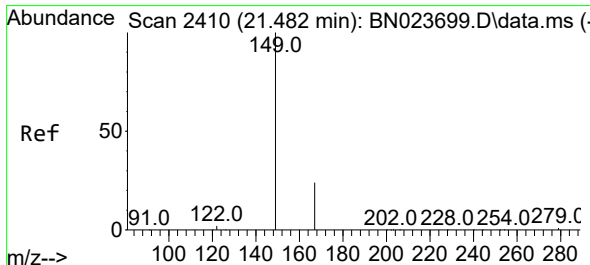
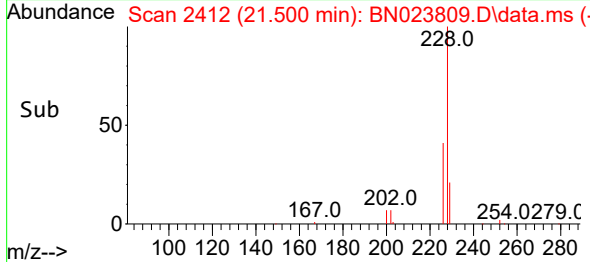
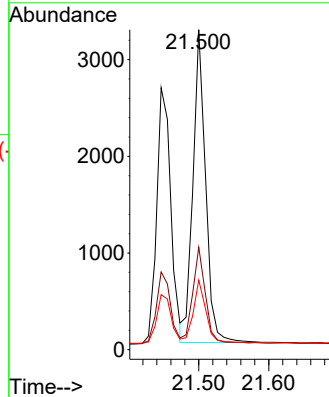
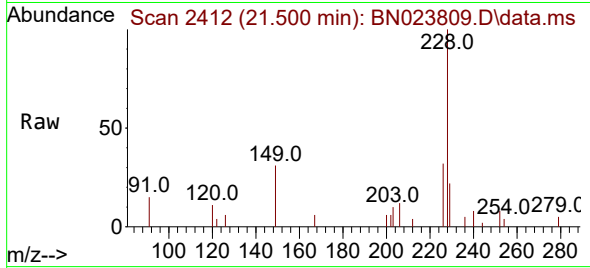
Tgt Ion:228 Resp: 4060

Ion Ratio Lower Upper

228 100

226 32.0 24.6 36.8

229 21.8 15.4 23.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.236 ng

RT: 21.374 min Scan# 2398

Delta R.T. -0.009 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

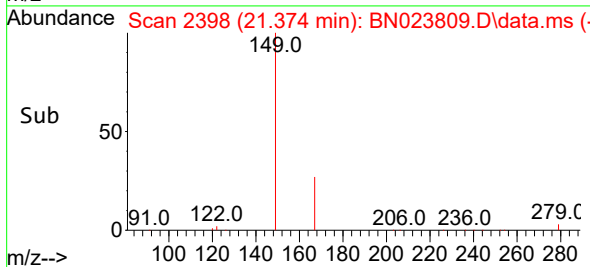
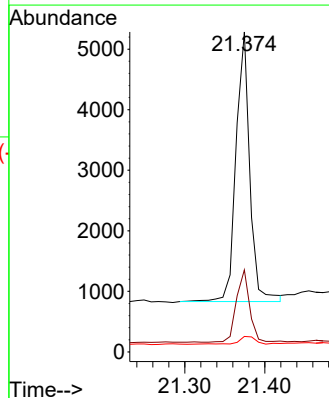
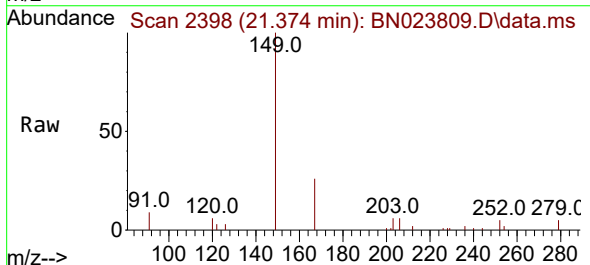
Tgt Ion:149 Resp: 5327

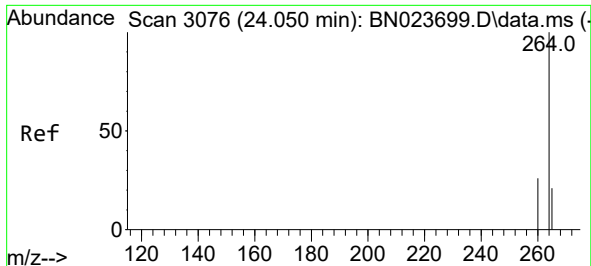
Ion Ratio Lower Upper

149 100

167 25.7 19.8 29.8

279 3.2 2.5 3.7



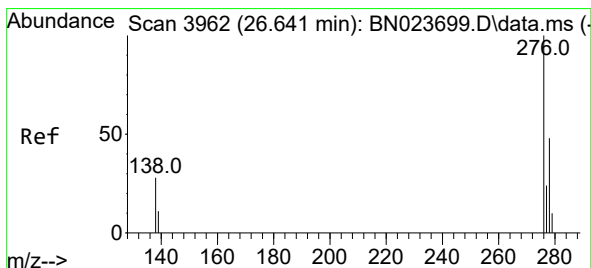
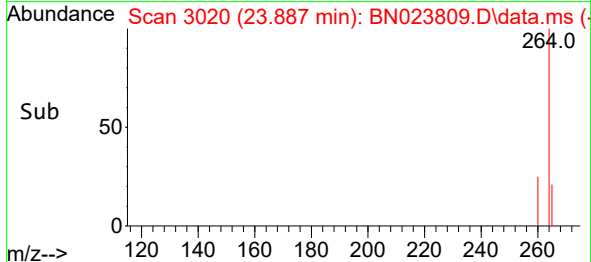
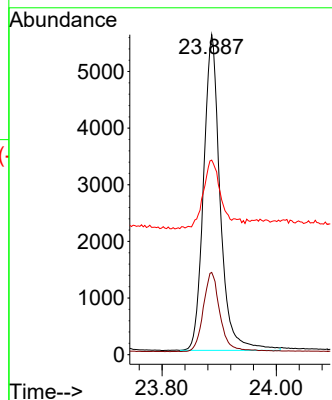
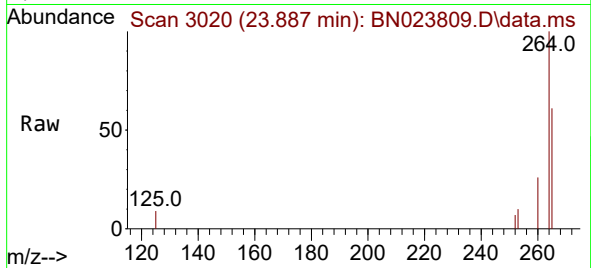


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.887 min Scan# 3076
Delta R.T. -0.009 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

Tgt Ion:264 Resp: 11248

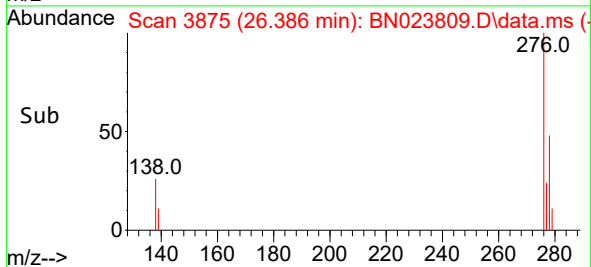
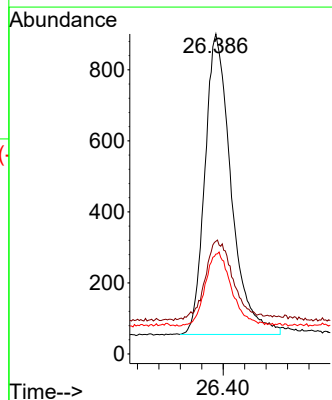
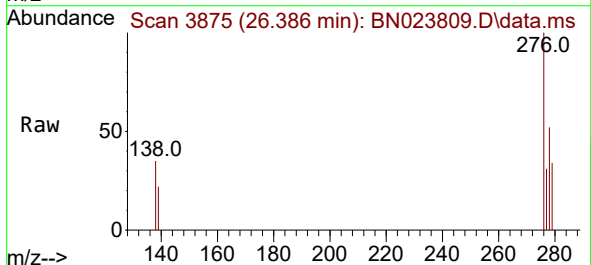
Ion	Ratio	Lower	Upper
264	100		
260	25.7	21.0	31.6
265	60.8	49.9	74.9

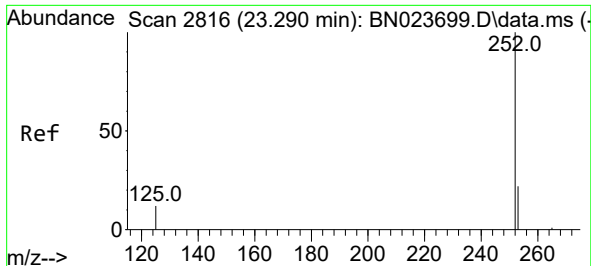


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.057 ng
RT: 26.386 min Scan# 3875
Delta R.T. -0.018 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:276 Resp: 2871

Ion	Ratio	Lower	Upper
276	100		
138	28.4	24.0	36.0
277	24.3	19.8	29.8

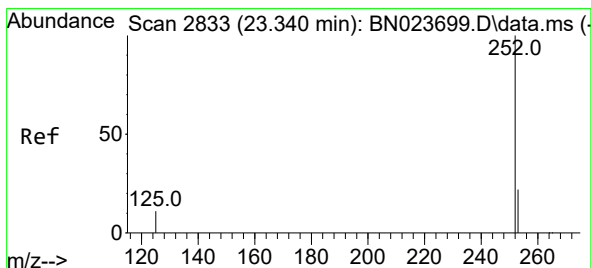
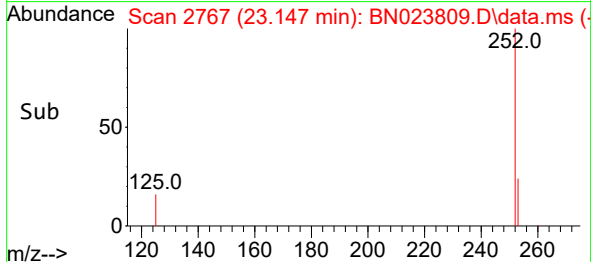
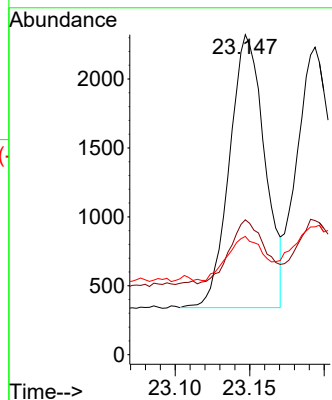
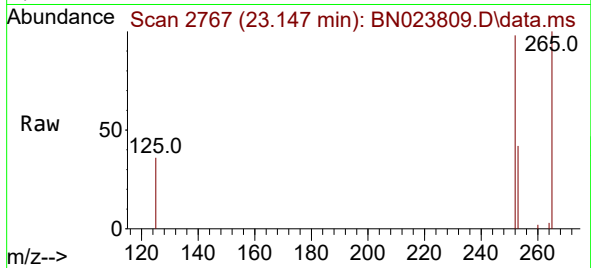




#37
Benzo(b)fluoranthene
Concen: 0.070 ng
RT: 23.147 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

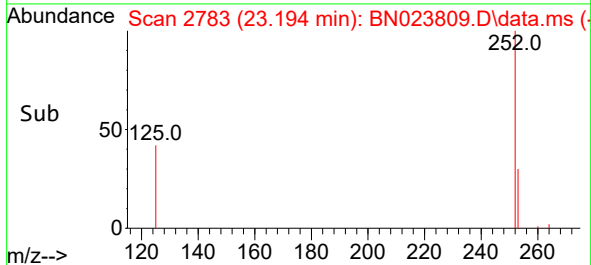
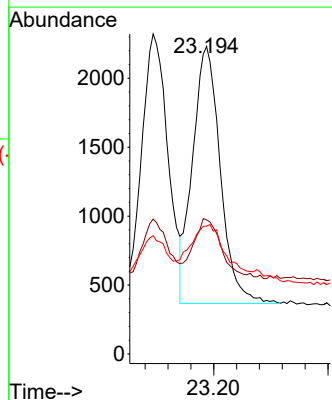
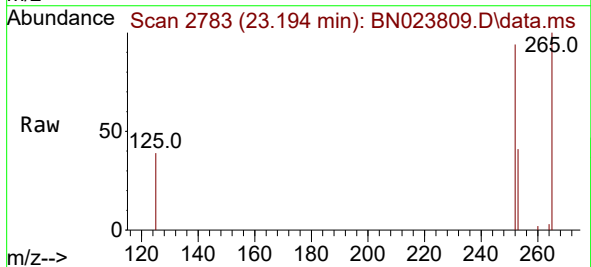
Instrument :
BNA_N
ClientSampleId :
SP-100-20230120

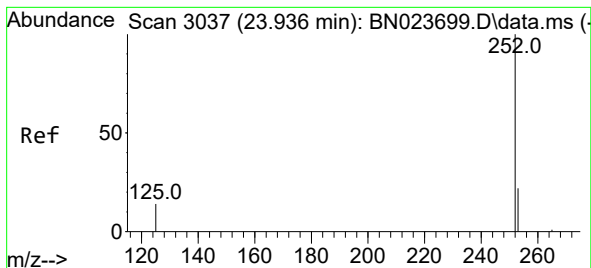
Tgt Ion:252 Resp: 3262
Ion Ratio Lower Upper
252 100
253 42.2 19.9 29.9#
125 37.0 13.2 19.8#



#38
Benzo(k)fluoranthene
Concen: 0.067 ng
RT: 23.194 min Scan# 2783
Delta R.T. -0.012 min
Lab File: BN023809.D
Acq: 26 Jan 2023 00:15

Tgt Ion:252 Resp: 3144
Ion Ratio Lower Upper
252 100
253 43.6 20.2 30.2#
125 41.6 12.8 19.2#





#39

Benzo(a)pyrene

Concen: 0.065 ng

RT: 23.773 min Scan# 2981

Delta R.T. -0.009 min

Lab File: BN023809.D

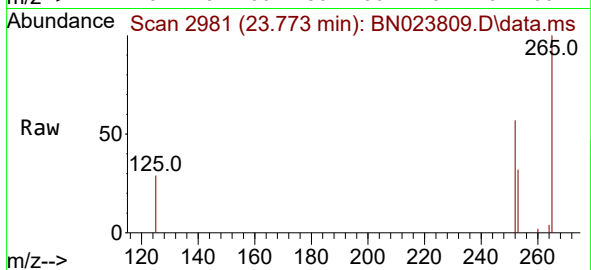
Acq: 26 Jan 2023 00:15

Instrument :

BNA_N

ClientSampleId :

SP-100-20230120



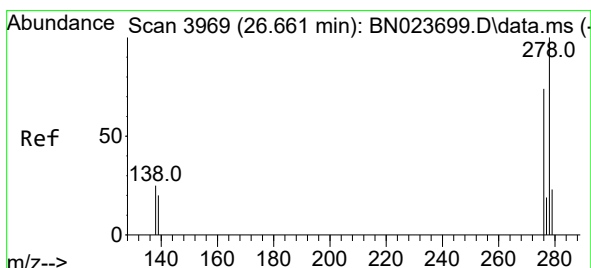
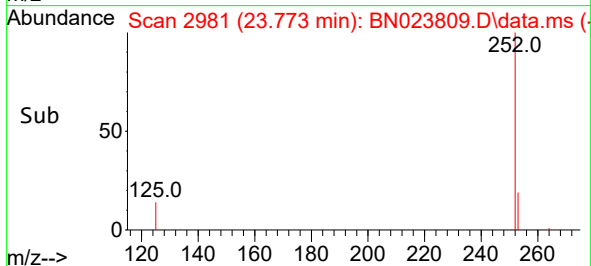
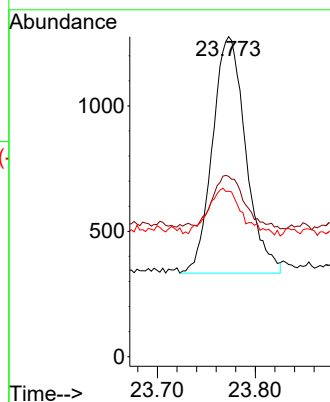
Tgt Ion:252 Resp: 2226

Ion Ratio Lower Upper

252 100

253 56.3 22.4 33.6#

125 51.7 17.7 26.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.055 ng

RT: 26.404 min Scan# 3881

Delta R.T. -0.018 min

Lab File: BN023809.D

Acq: 26 Jan 2023 00:15

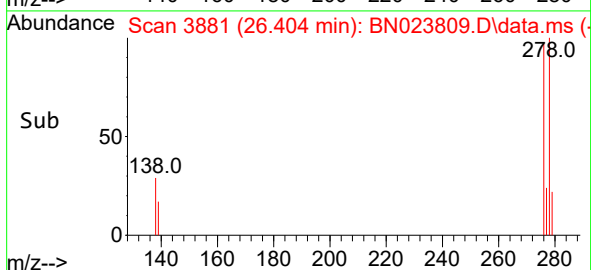
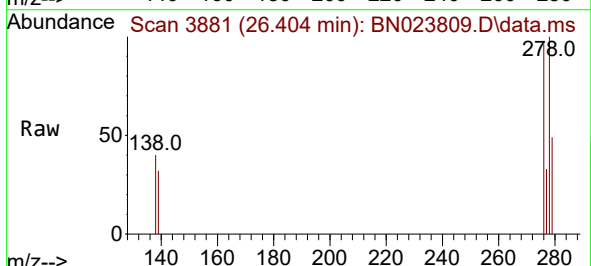
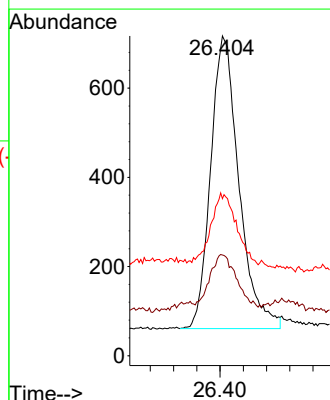
Tgt Ion:278 Resp: 2216

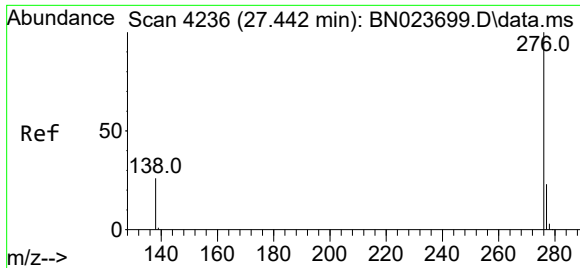
Ion Ratio Lower Upper

278 100

139 31.5 17.2 25.8#

279 49.1 21.4 32.2#





#41

Benzo(g,h,i)perylene

Concen: 0.059 ng

RT: 27.167 min Scan# 41

Delta R.T. 0.000 min

Lab File: BN023809.D

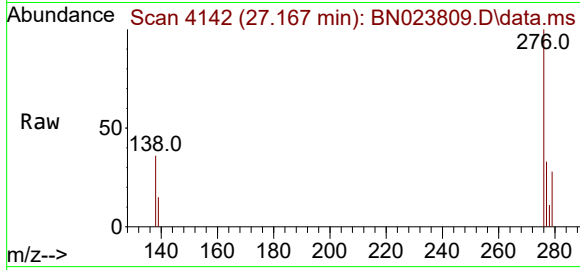
Acq: 26 Jan 2023 00:15

Instrument :

BNA_N

ClientSampleId :

SP-100-20230120



Tgt Ion:276 Resp: 2526

Ion Ratio Lower Upper

276 100

277 33.5 19.4 29.0#

138 36.0 21.8 32.8#

