

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102323\
 Data File : BN028347.D
 Acq On : 23 Oct 2023 15:54
 Operator : MA/JU
 Sample : 04959-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-06-190-210-101823

Quant Time: Oct 23 17:50:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:14:08 2023
 Response via : Initial Calibration

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

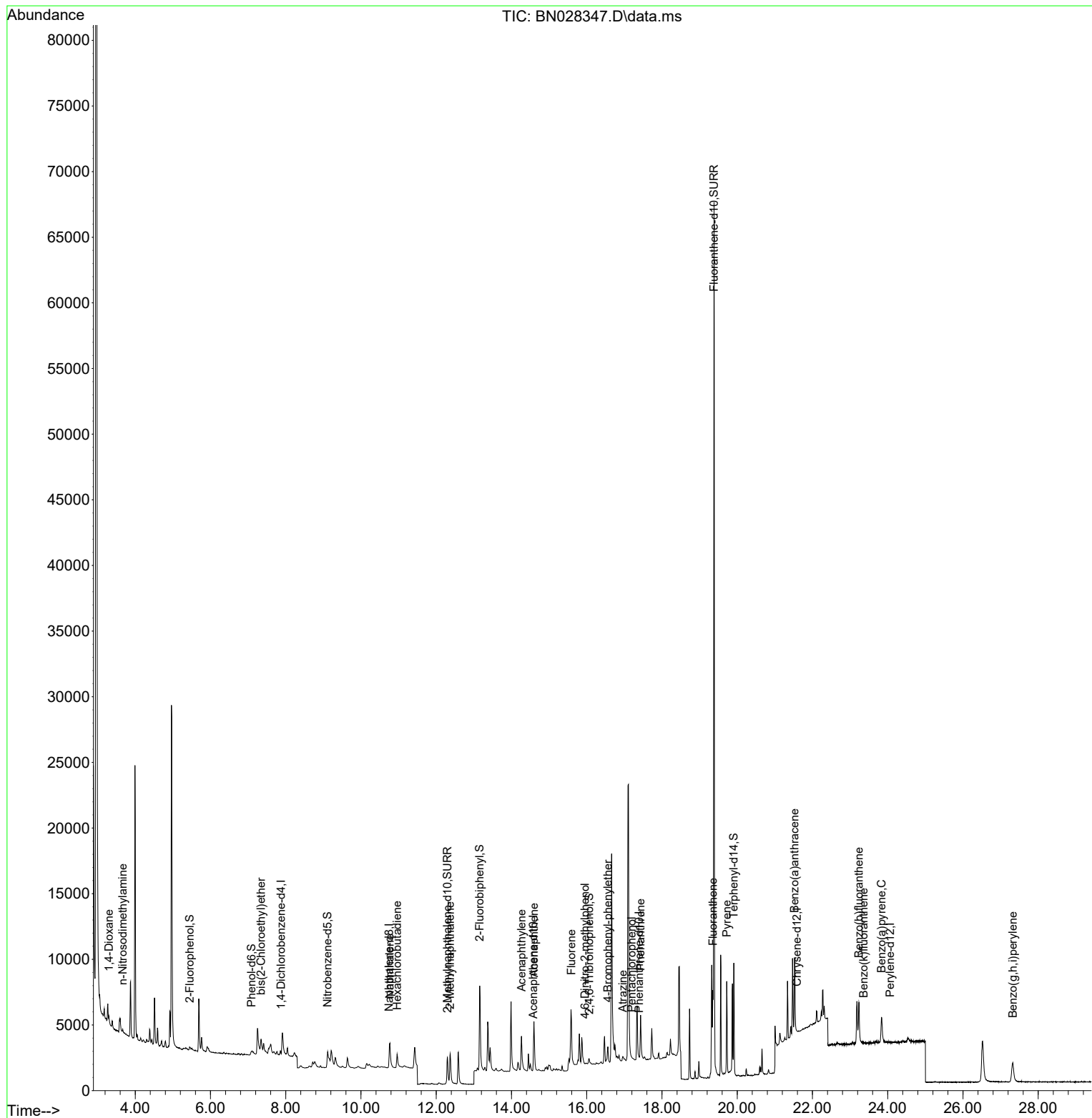
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.878	152	1	0.400	ng	# 0.00
7) Naphthalene-d8	10.746	136	45	0.400	ng	# 0.04
13) Acenaphthene-d10	14.576	164	6	0.400	ng	# 0.04
19) Phenanthrene-d10	17.393	188	63	0.400	ng	# 0.10
29) Chrysene-d12	21.587	240	9	0.400	ng	# 0.10
35) Perylene-d12	24.060	264	3	0.400	ng	# 0.12
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	417	134.282	ng	0.02
5) Phenol-d6	7.091	99	328	85.793	ng	0.04
8) Nitrobenzene-d5	9.112	82	1679	42.062	ng	0.01
11) 2-Methylnaphthalene-d10	12.298	152	4150	61.349	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	276	94.318	ng	0.00
15) 2-Fluorobiphenyl	13.154	172	7442	352.493	ng	-0.01
27) Fluoranthene-d10	19.384	212	54451	323.111	ng	0.06
31) Terphenyl-d14	19.908	244	8774	459.232	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.299	88	341	282.218	ng	# 74
3) n-Nitrosodimethylamine	3.668	42	160	121.200	ng	# 78
6) bis(2-Chloroethyl)ether	7.344	93	1799	610.217	ng	# 65
9) Naphthalene	10.767	128	3695	31.656	ng	# 94
10) Hexachlorobutadiene	10.959	225	586	29.258	ng	# 96
12) 2-Methylnaphthalene	12.370	142	2302	27.753	ng	97
16) Acenaphthylene	14.266	152	3857	143.062	ng	98
17) Acenaphthene	14.598	154	2301	135.442	ng	96
18) Fluorene	15.593	166	3162	141.394	ng	98
20) 4,6-Dinitro-2-methylph...	15.953	198	21	2.826	ng	# 1
21) 4-Bromophenyl-phenylether	16.561	248	36	1.110	ng	# 27
23) Atrazine	16.959	200	60	1.972	ng	# 37
24) Pentachlorophenol	17.194	266	17	1.115	ng	# 53
25) Phenanthrene	17.430	178	4651	26.970	ng	98
28) Fluoranthene	19.356	202	6168	28.470	ng	97
30) Pyrene	19.723	202	6505	211.226	ng	99
32) Benzo(a)anthracene	21.524	228	5727	179.123	ng	96
37) Benzo(b)fluoranthene	23.232	252	4817	513.693	ng	# 77
38) Benzo(k)fluoranthene	23.361	252	15	1.572	ng	# 1
39) Benzo(a)pyrene	23.838	252	3857	413.480	ng	# 63
41) Benzo(g,h,i)perylene	27.323	276	3811	375.918	ng	93

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

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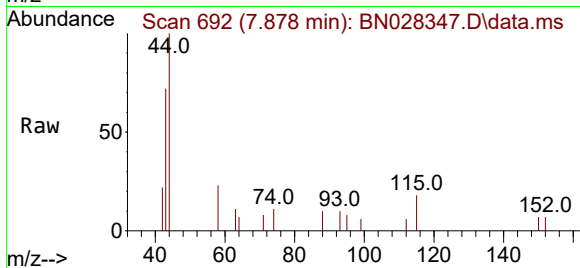
Quant Time: Oct 23 17:50:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN101223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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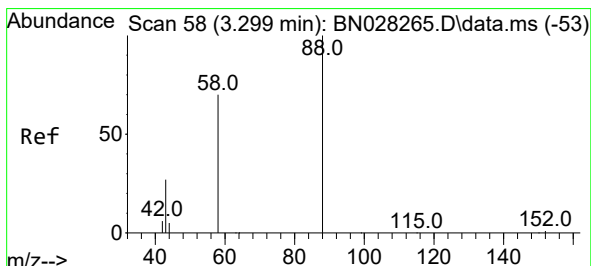
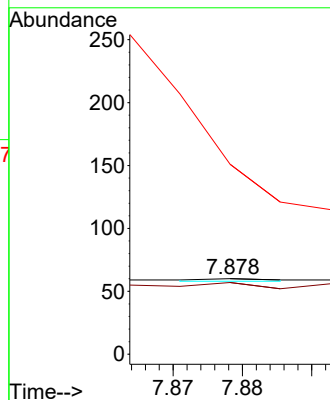
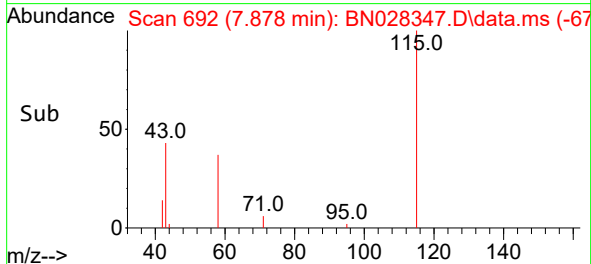


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.878 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: BN028347.D
 Acq: 23 Oct 2023 15:54

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-06-190-210-101823

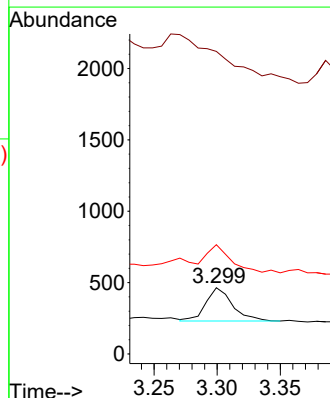
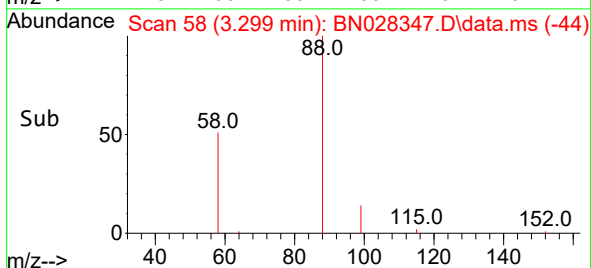
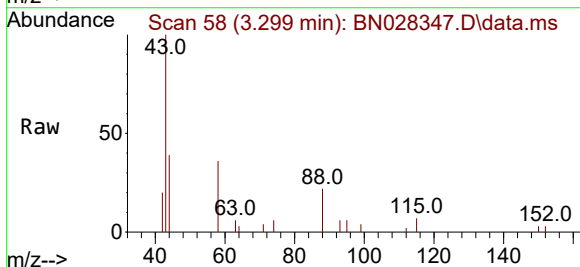


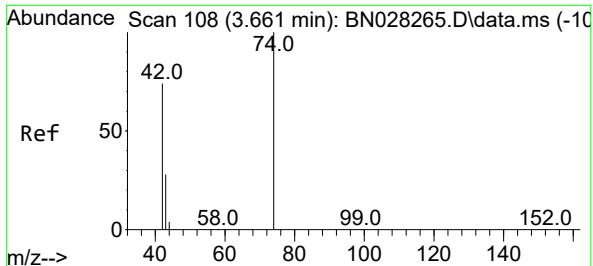
Tgt Ion:152 Resp: 1
 Ion Ratio Lower Upper
 152 100
 150 95.0 121.6 182.4#
 115 251.7 54.3 81.5#



#2
 1,4-Dioxane
 Concen: 282.218 ng
 RT: 3.299 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: BN028347.D
 Acq: 23 Oct 2023 15:54

Tgt Ion: 88 Resp: 341
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 39.8#
 58 77.4 55.4 83.0

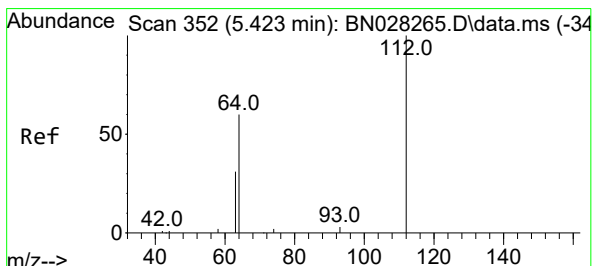
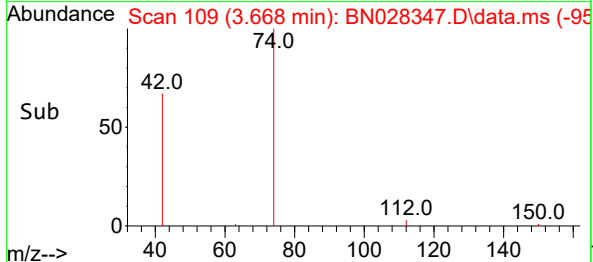
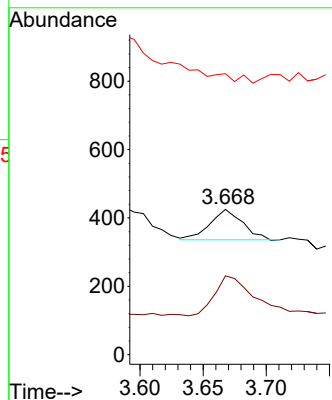
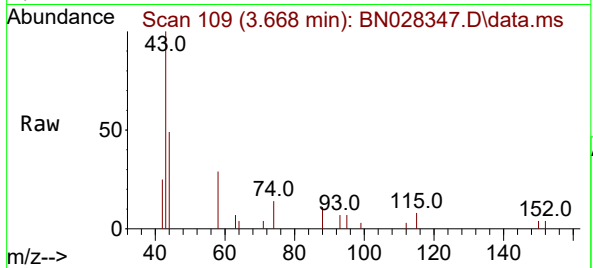




#3
n-Nitrosodimethylamine
Concen: 121.200 ng
RT: 3.668 min Scan# 108
Delta R.T. 0.000 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

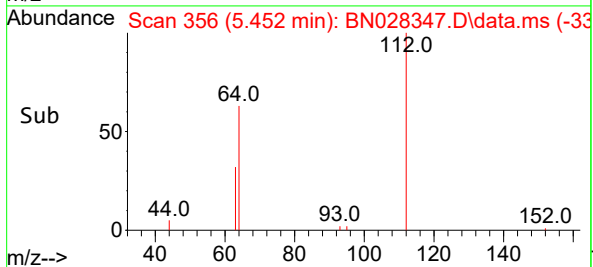
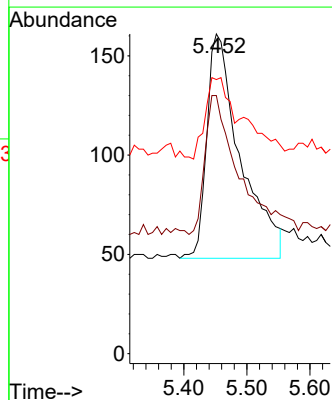
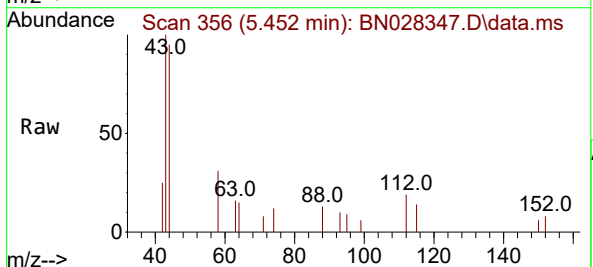
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-190-210-101823

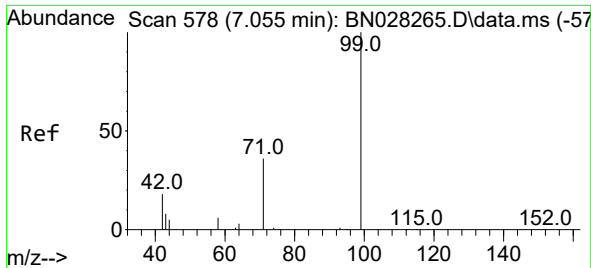
Tgt Ion: 42 Resp: 160
Ion Ratio Lower Upper
42 100
74 166.9 112.6 168.8
44 0.0 7.8 11.6#



#4
2-Fluorophenol
Concen: 134.282 ng
RT: 5.452 min Scan# 356
Delta R.T. 0.022 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 112 Resp: 417
Ion Ratio Lower Upper
112 100
64 61.2 46.9 70.3
63 27.1 25.0 37.4

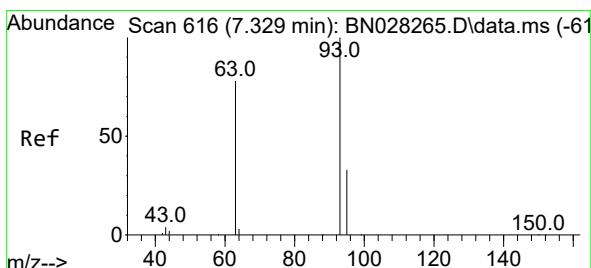
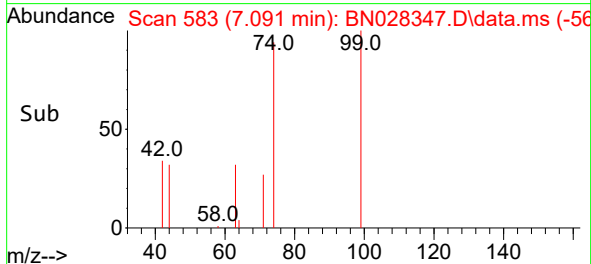
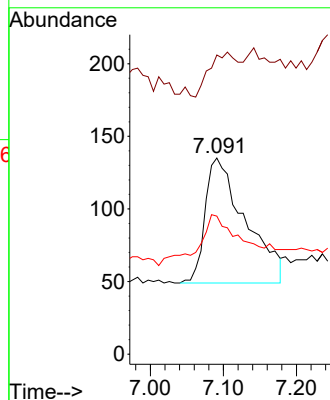
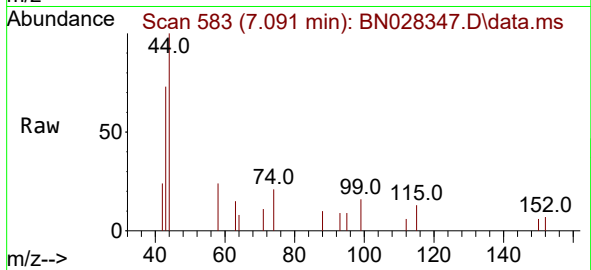




#5
Phenol-d6
Concen: 85.793 ng
RT: 7.091 min Scan# 583
Delta R.T. 0.036 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

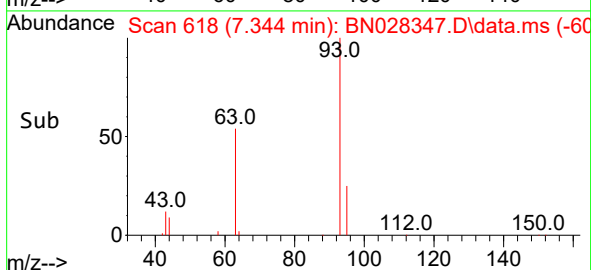
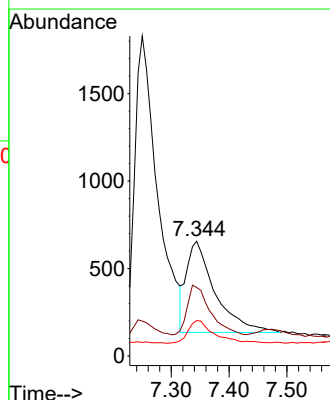
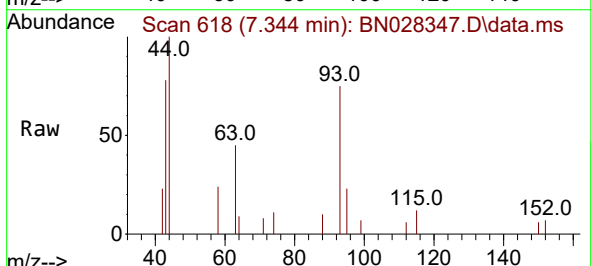
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-190-210-101823

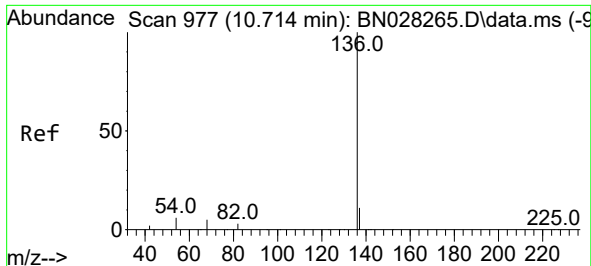
Tgt Ion: 99 Resp: 328
Ion Ratio Lower Upper
99 100
42 0.0 15.9 23.9#
71 42.7 28.6 42.8



#6
bis(2-Chloroethyl)ether
Concen: 610.217 ng
RT: 7.344 min Scan# 618
Delta R.T. 0.022 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 93 Resp: 1799
Ion Ratio Lower Upper
93 100
63 42.9 62.6 93.8#
95 21.8 27.2 40.8#

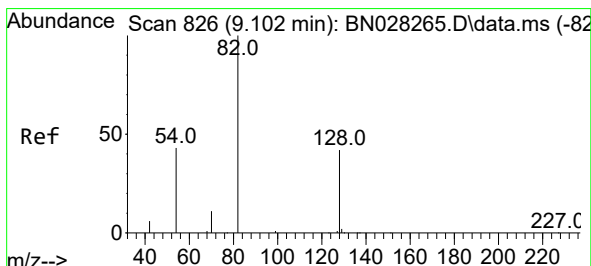
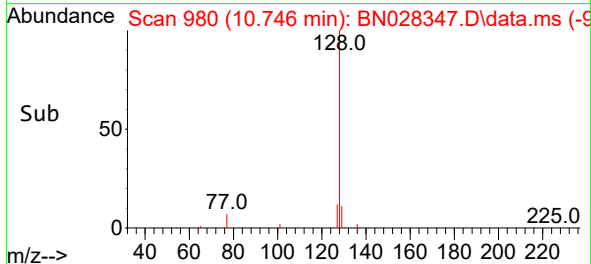
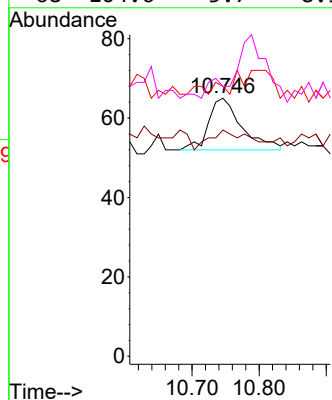
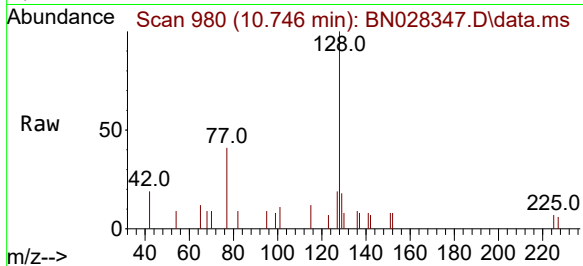




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.746 min Scan# 91
Delta R.T. 0.043 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

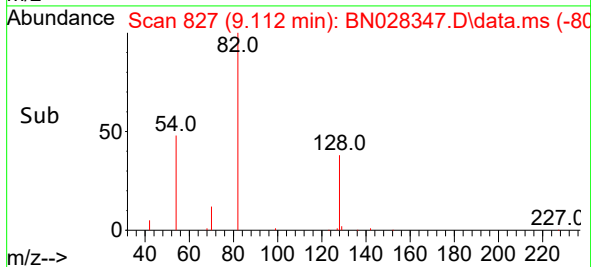
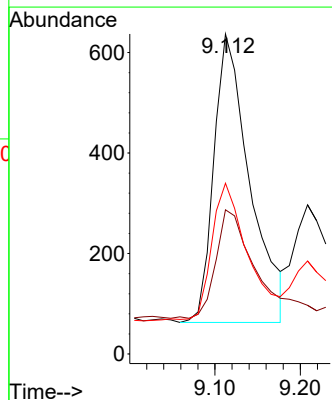
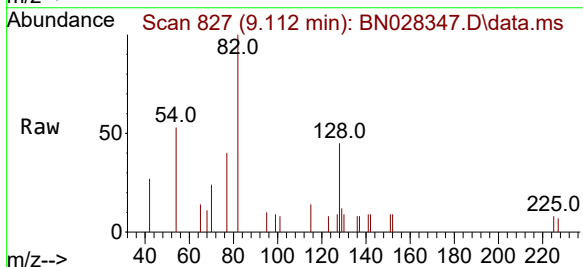
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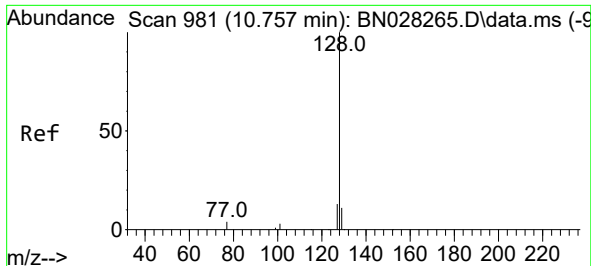
Tgt Ion:136 Resp: 45
Ion Ratio Lower Upper
136 100
137 87.7 9.8 14.8#
54 104.6 6.2 9.4#
68 104.6 5.7 8.5#



#8
Nitrobenzene-d5
Concen: 42.062 ng
RT: 9.112 min Scan# 827
Delta R.T. 0.011 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion: 82 Resp: 1679
Ion Ratio Lower Upper
82 100
128 45.1 36.8 55.2
54 53.4 37.4 56.2

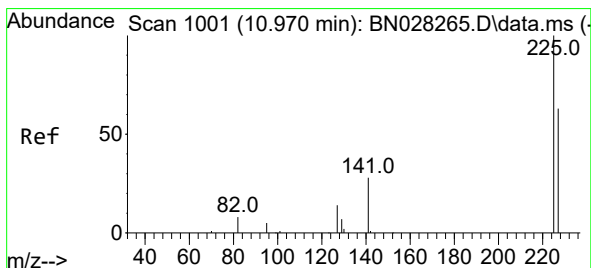
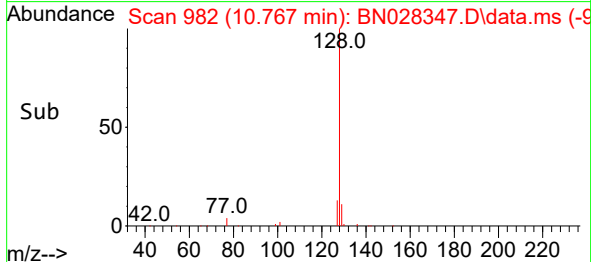
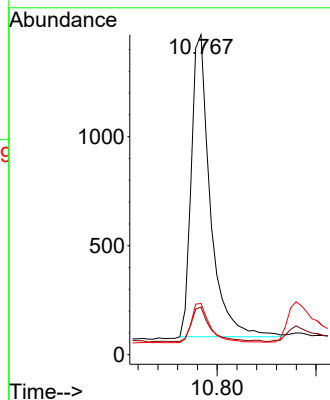
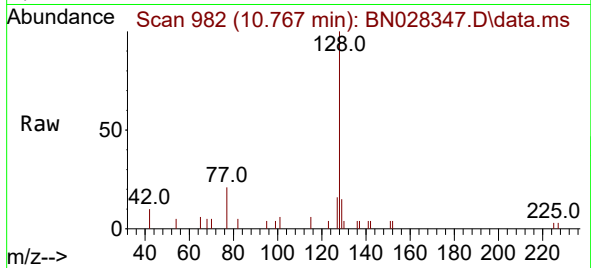




#9
Naphthalene
Concen: 31.656 ng
RT: 10.767 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

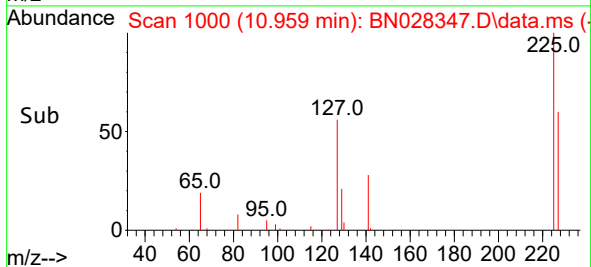
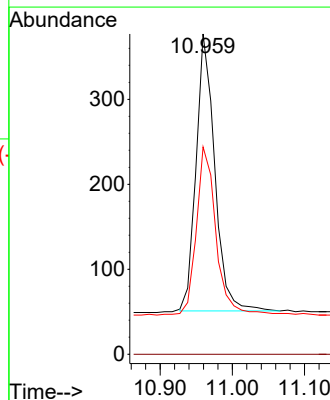
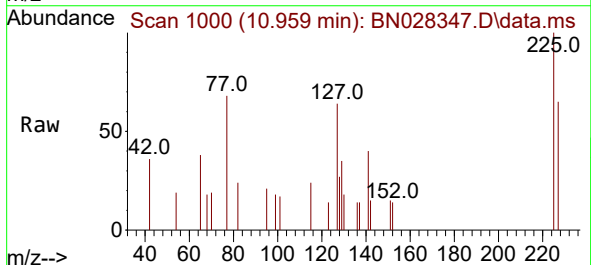
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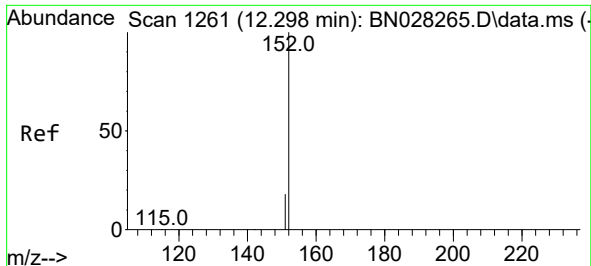
Tgt Ion:128 Resp: 3695
Ion Ratio Lower Upper
128 100
129 14.9 9.8 14.6#
127 16.0 11.4 17.0



#10
Hexachlorobutadiene
Concen: 29.258 ng
RT: 10.959 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion:225 Resp: 586
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 61.1 51.6 77.4

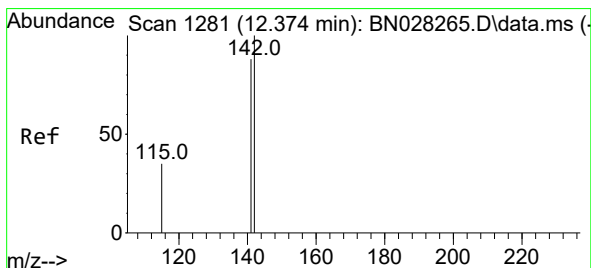
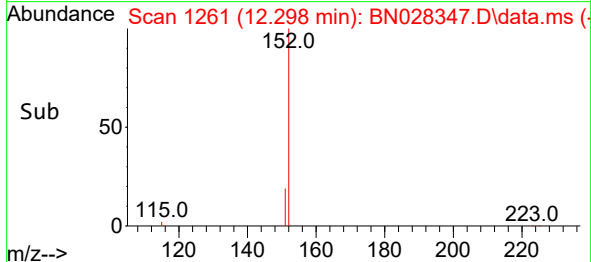
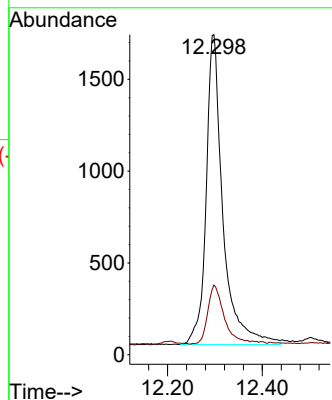
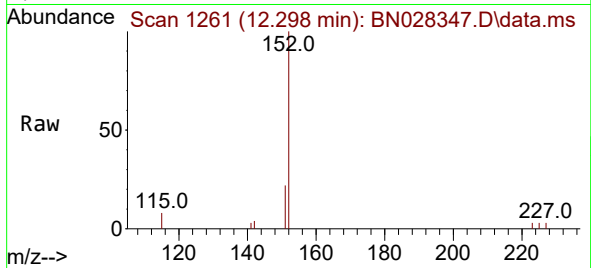




#11
2-Methylnaphthalene-d10
Concen: 61.349 ng
RT: 12.298 min Scan# 11
Delta R.T. 0.004 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

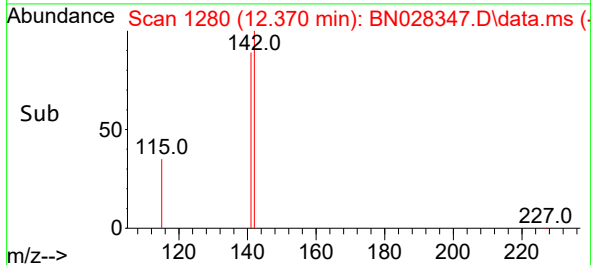
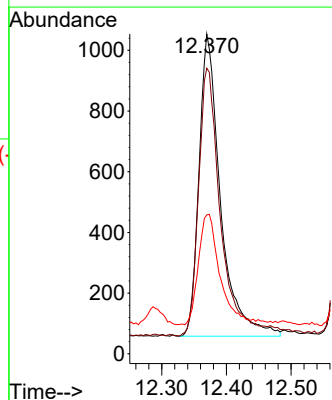
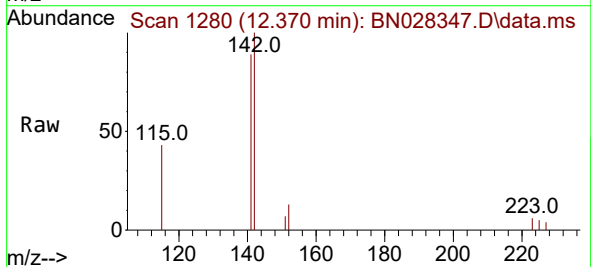
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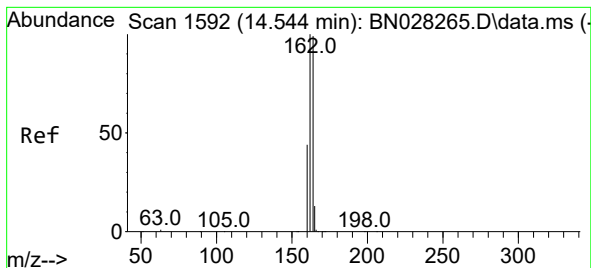
Tgt Ion:152 Resp: 4150
Ion Ratio Lower Upper
152 100
151 18.5 16.1 24.1



#12
2-Methylnaphthalene
Concen: 27.753 ng
RT: 12.370 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion:142 Resp: 2302
Ion Ratio Lower Upper
142 100
141 89.3 71.1 106.7
115 43.5 29.9 44.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.576 min Scan# 11

Delta R.T. 0.043 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823

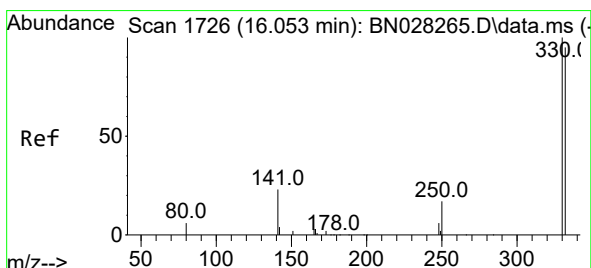
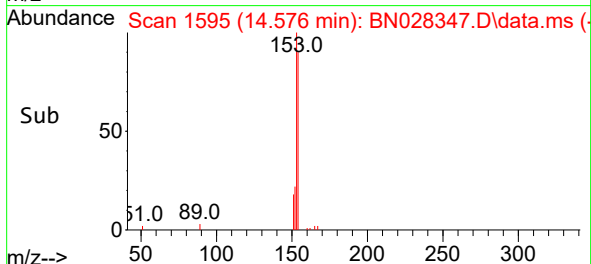
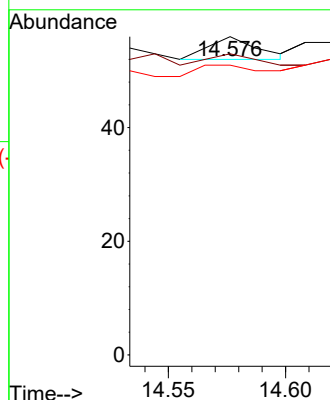
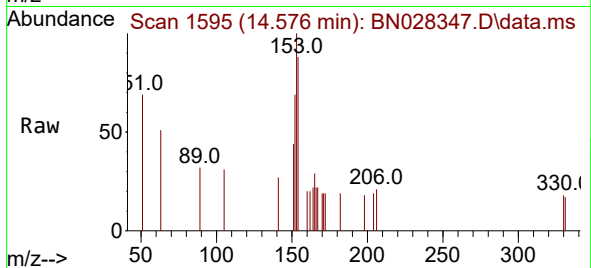
Tgt Ion:164 Resp: 6

Ion Ratio Lower Upper

164 100

162 94.6 81.1 121.7

160 91.1 36.6 54.8#



#14

2,4,6-Tribromophenol

Concen: 94.318 ng

RT: 16.065 min Scan# 1727

Delta R.T. 0.000 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

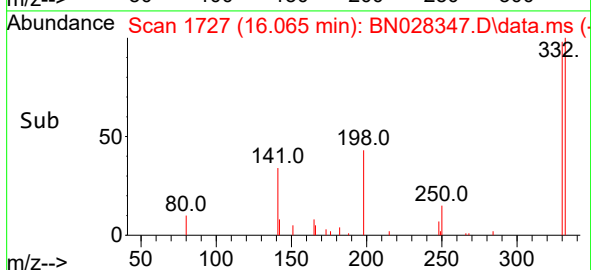
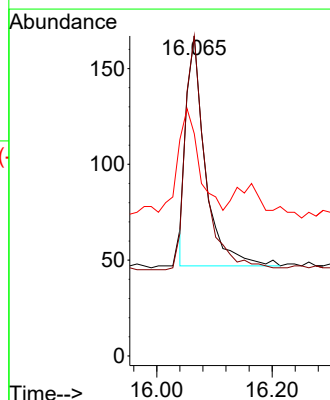
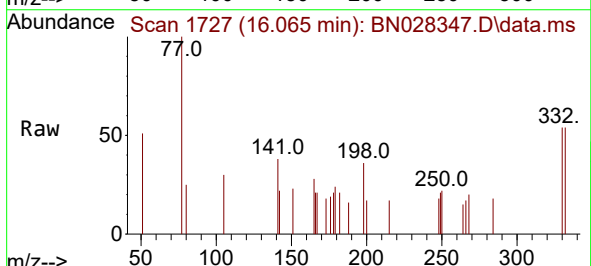
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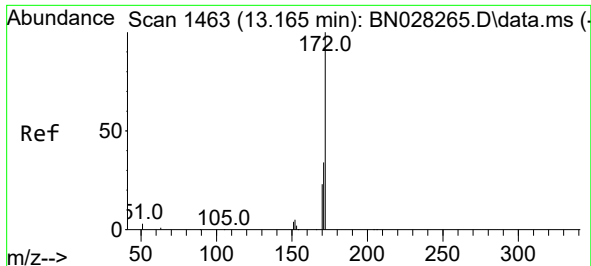
Ion Ratio Lower Upper

330 100

332 98.9 74.1 111.1

141 33.3 32.1 48.1

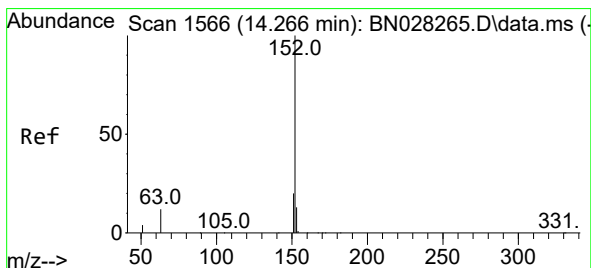
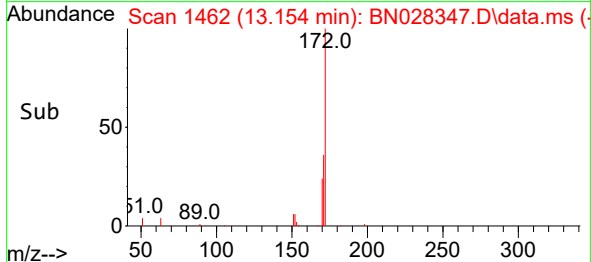
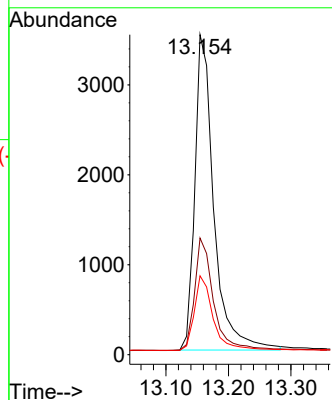
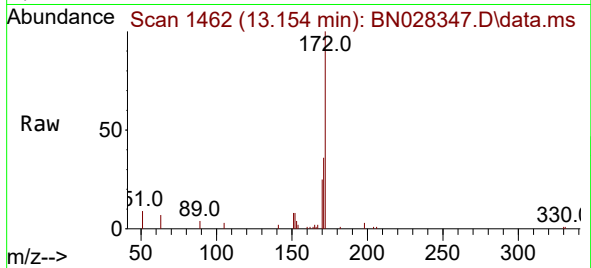




#15
2-Fluorobiphenyl
Concen: 352.493 ng
RT: 13.154 min Scan# 1462
Delta R.T. -0.011 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

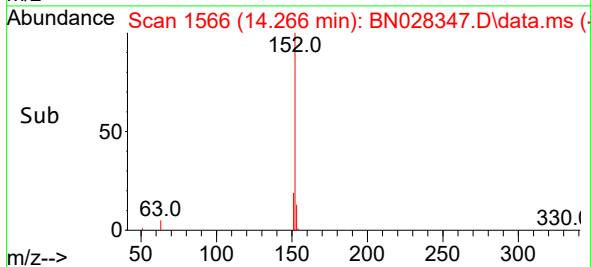
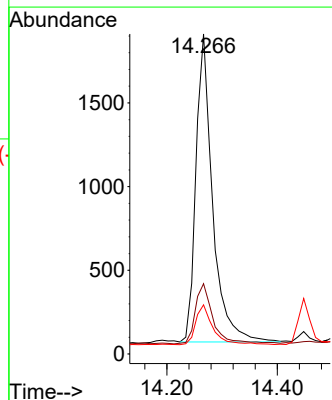
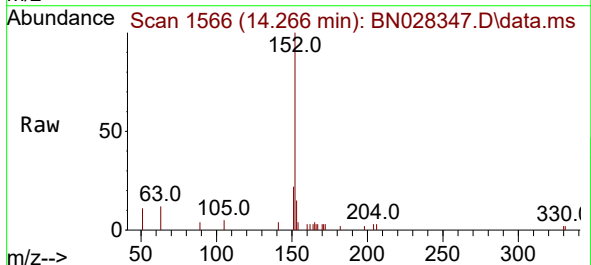
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-190-210-101823

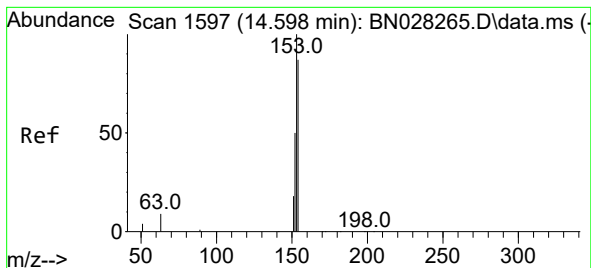
Tgt Ion:172 Resp: 7442
Ion Ratio Lower Upper
172 100
171 36.4 28.3 42.5
170 24.6 18.7 28.1



#16
Acenaphthylene
Concen: 143.062 ng
RT: 14.266 min Scan# 1566
Delta R.T. 0.011 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion:152 Resp: 3857
Ion Ratio Lower Upper
152 100
151 20.8 15.6 23.4
153 13.4 10.6 16.0





#17

Acenaphthene

Concen: 135.442 ng

RT: 14.598 min Scan# 1597

Delta R.T. 0.000 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823

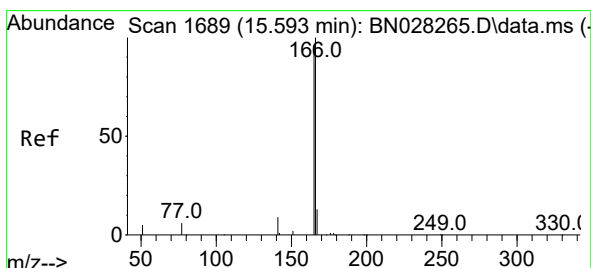
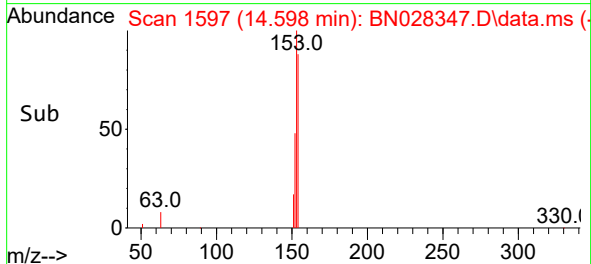
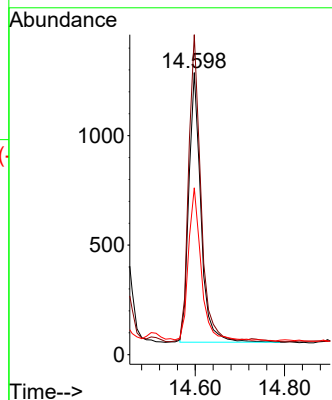
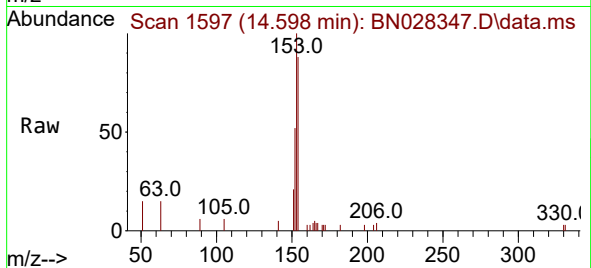
Tgt Ion:154 Resp: 2301

Ion Ratio Lower Upper

154 100

153 112.0 90.7 136.1

152 60.3 43.6 65.4



#18

Fluorene

Concen: 141.394 ng

RT: 15.593 min Scan# 1689

Delta R.T. 0.012 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

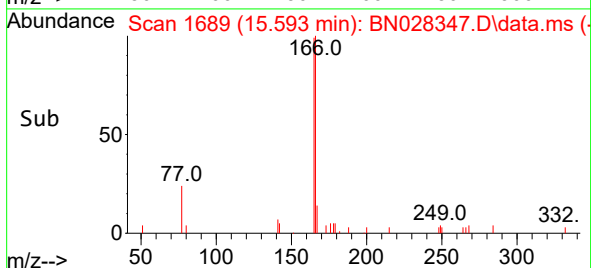
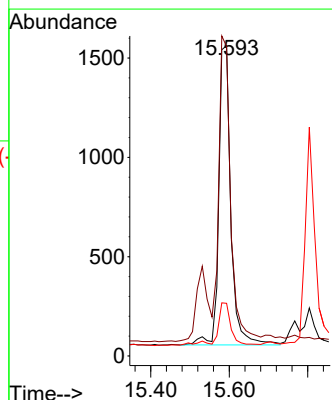
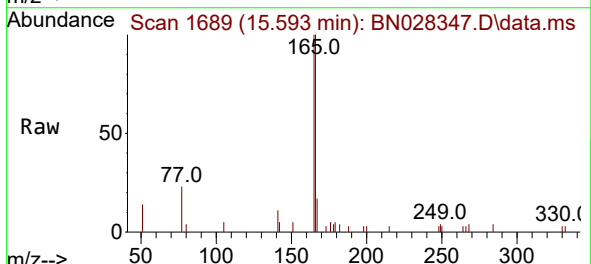
Tgt Ion:166 Resp: 3162

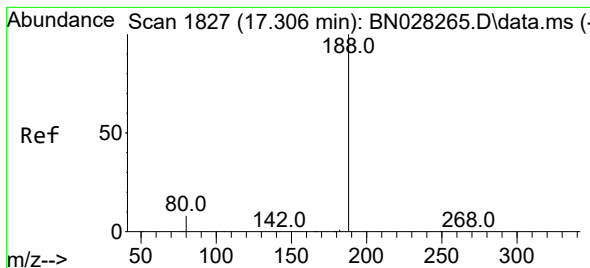
Ion Ratio Lower Upper

166 100

165 97.6 79.3 118.9

167 15.4 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.393 min Scan# 11

Delta R.T. 0.099 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823

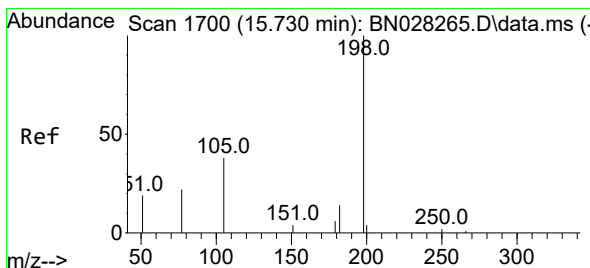
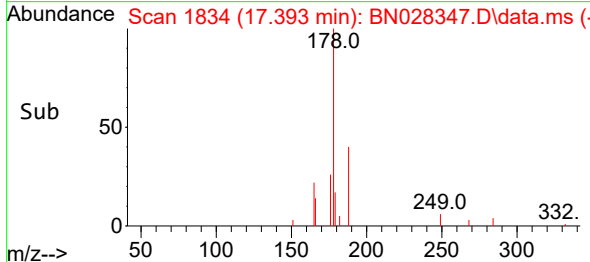
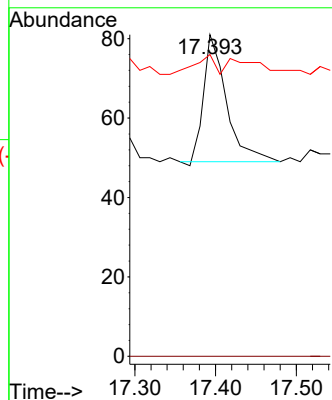
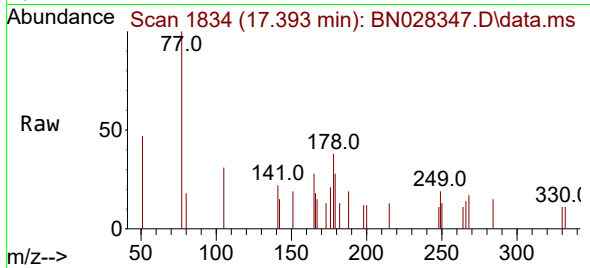
Tgt Ion:188 Resp: 63

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 93.8 7.1 10.7#



#20

4,6-Dinitro-2-methylphenol

Concen: 2.826 ng

RT: 15.953 min Scan# 1718

Delta R.T. 0.149 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

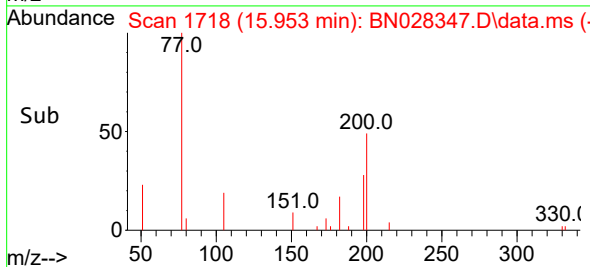
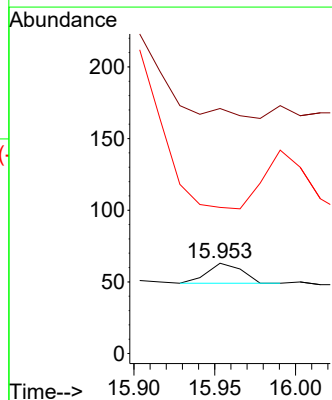
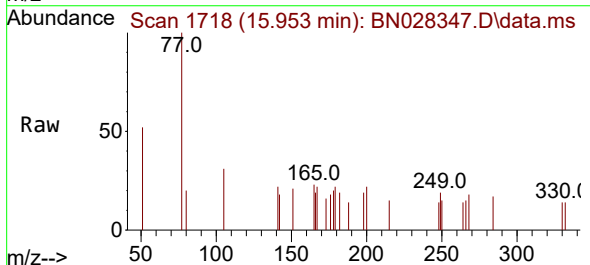
Tgt Ion:198 Resp: 21

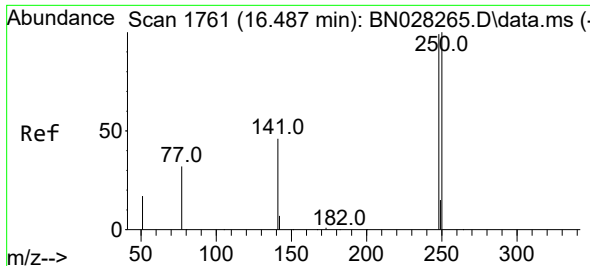
Ion Ratio Lower Upper

198 100

51 271.4 96.1 144.1#

105 161.9 75.4 113.0#

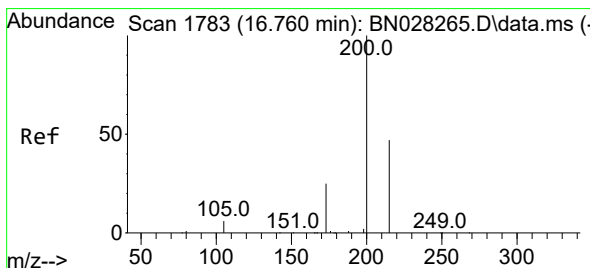
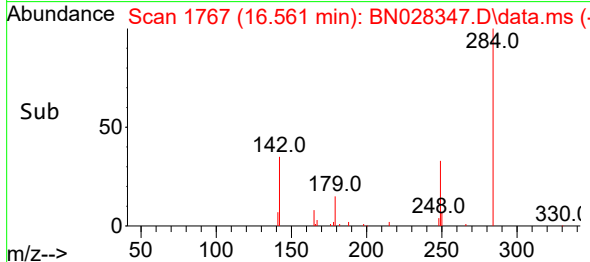
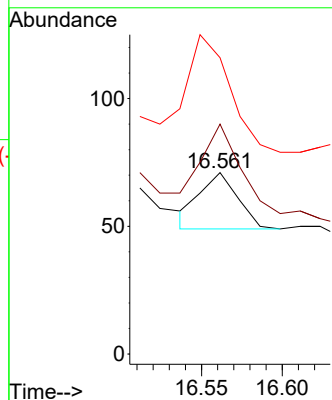
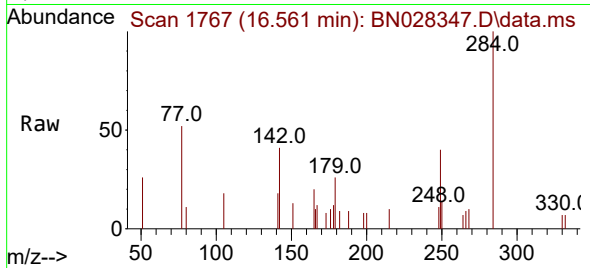




#21
4-Bromophenyl-phenylether
Concen: 1.110 ng
RT: 16.561 min Scan# 1799
Delta R.T. 0.087 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

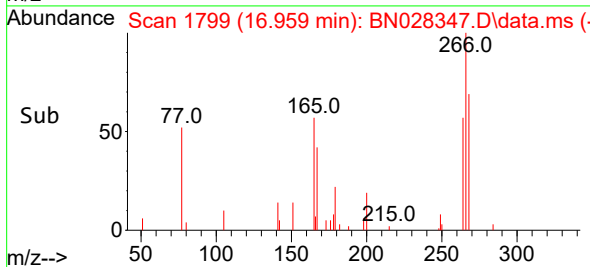
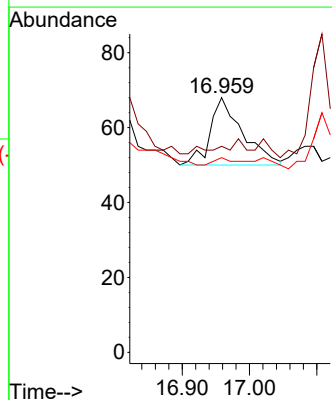
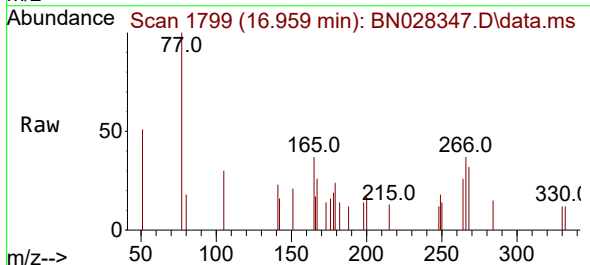
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-190-210-101823

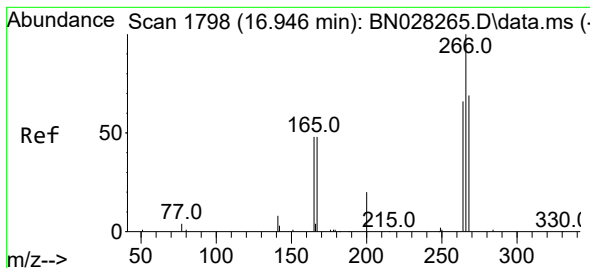
Tgt Ion:248 Resp: 36
Ion Ratio Lower Upper
248 100
250 126.8 80.5 120.7#
141 163.4 38.9 58.3#



#23
Atrazine
Concen: 1.972 ng
RT: 16.959 min Scan# 1799
Delta R.T. 0.199 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion:200 Resp: 60
Ion Ratio Lower Upper
200 100
173 80.9 21.6 32.4#
215 76.5 39.0 58.6#





#24

Pentachlorophenol

Concen: 1.115 ng

RT: 17.194 min Scan# 1818

Delta R.T. 0.161 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823

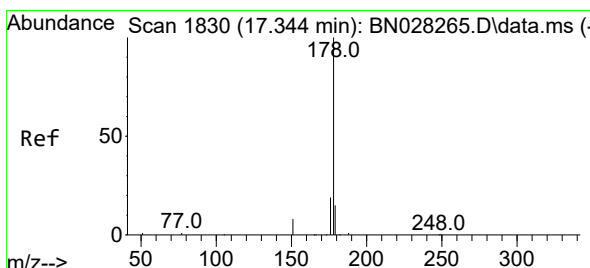
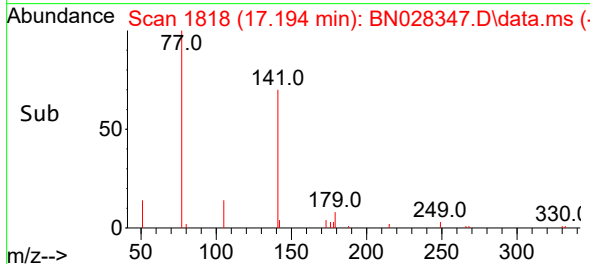
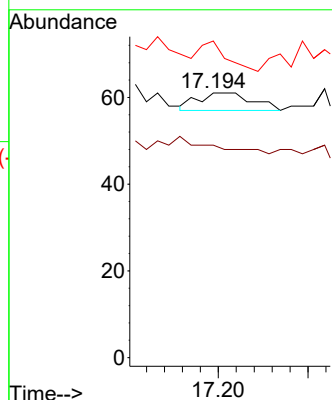
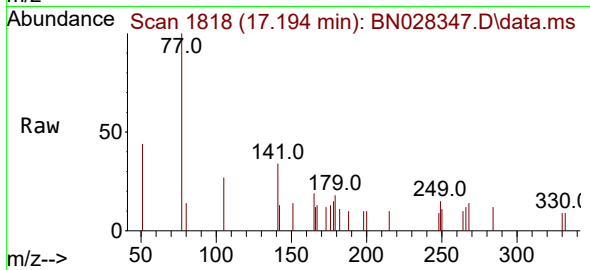
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

264 0.0 51.5 77.3#

268 82.4 56.6 84.8



#25

Phenanthrene

Concen: 26.970 ng

RT: 17.430 min Scan# 1837

Delta R.T. 0.099 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

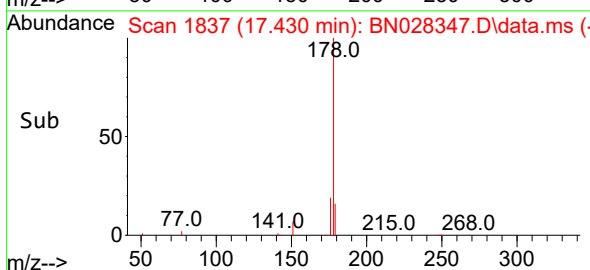
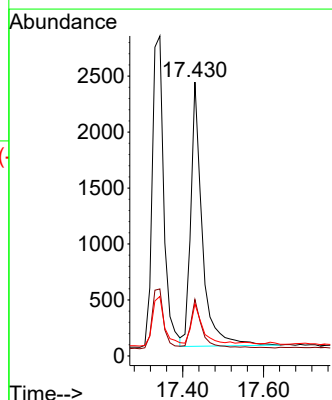
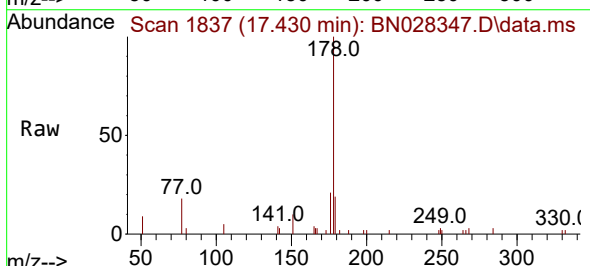
Tgt Ion:178 Resp: 4651

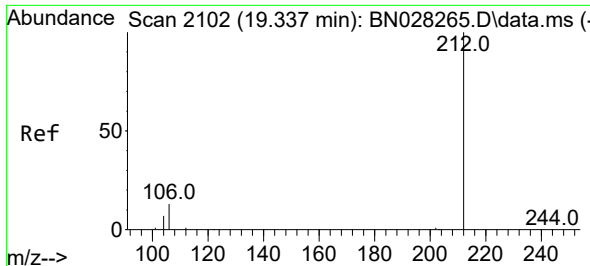
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 14.5 12.5 18.7

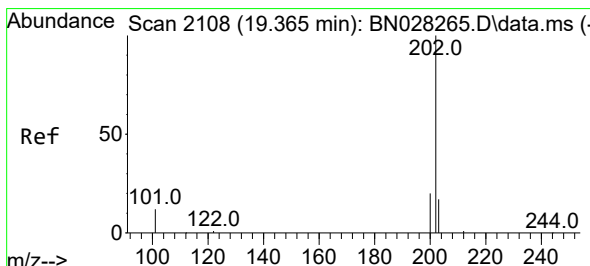
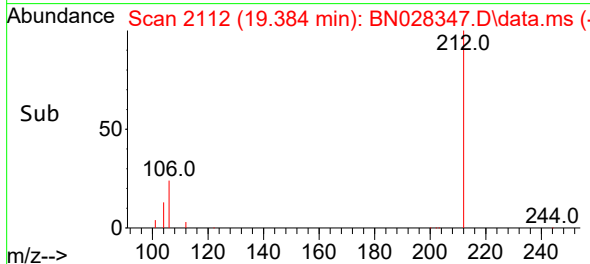
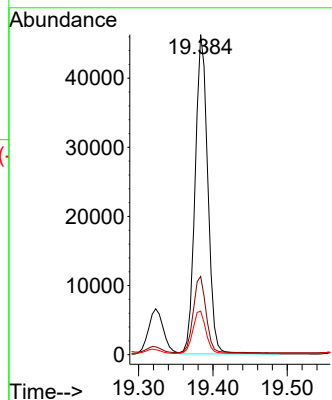
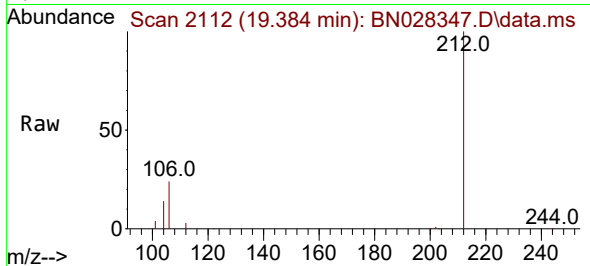




#27
Fluoranthene-d10
Concen: 323.111 ng
RT: 19.384 min Scan# 2112
Delta R.T. 0.056 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

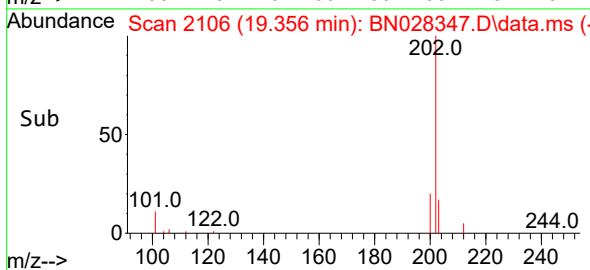
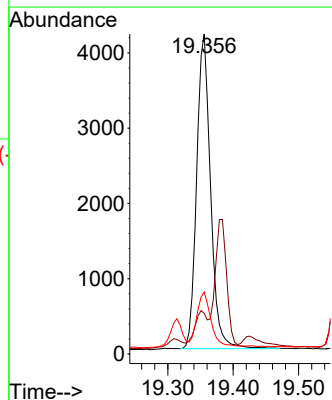
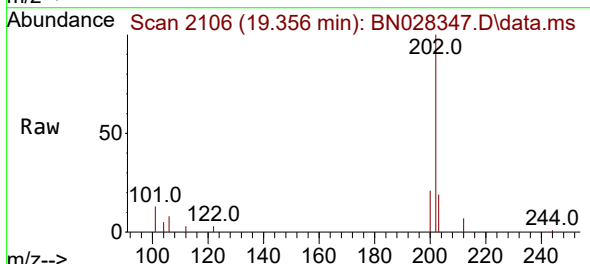
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-190-210-101823

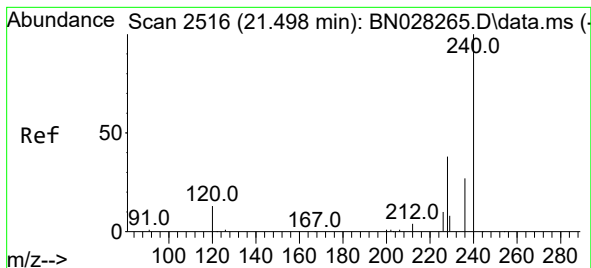
Tgt Ion:212 Resp: 54451
Ion Ratio Lower Upper
212 100
106 24.2 11.5 17.3#
104 13.7 6.7 10.1#



#28
Fluoranthene
Concen: 28.470 ng
RT: 19.356 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion:202 Resp: 6168
Ion Ratio Lower Upper
202 100
101 10.2 10.1 15.1
203 17.2 13.9 20.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.587 min Scan# 2158

Delta R.T. 0.099 min

Lab File: BN028347.D

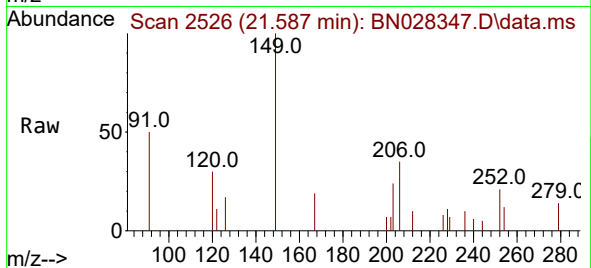
Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823



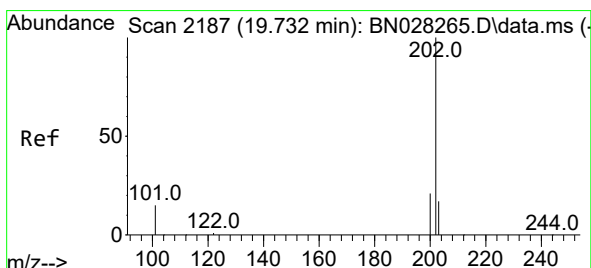
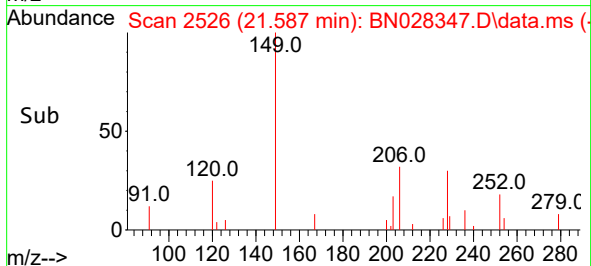
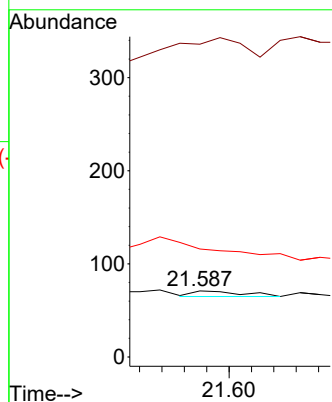
Tgt Ion:240 Resp: 9

Ion Ratio Lower Upper

240 100

120 473.2 13.4 20.0#

236 163.4 22.7 34.1#



#30

Pyrene

Concen: 211.226 ng

RT: 19.723 min Scan# 2185

Delta R.T. -0.005 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

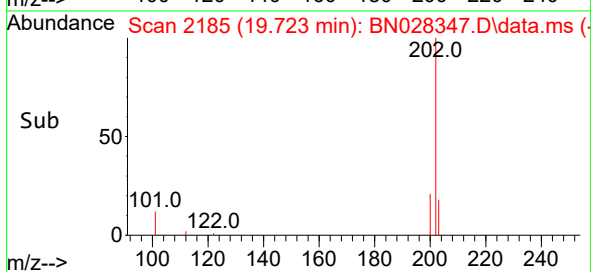
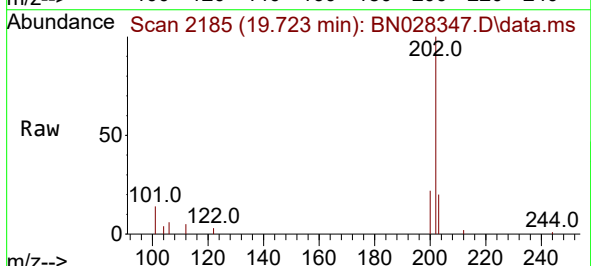
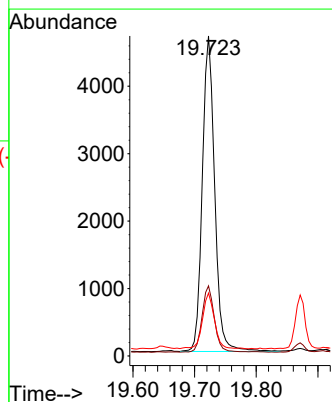
Tgt Ion:202 Resp: 6505

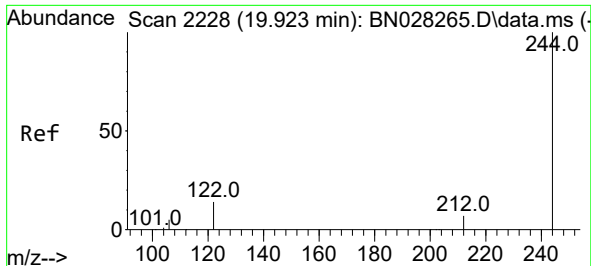
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 16.9 14.5 21.7

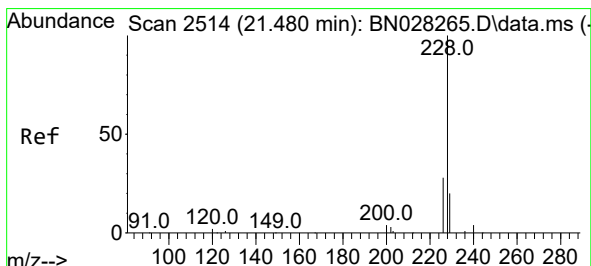
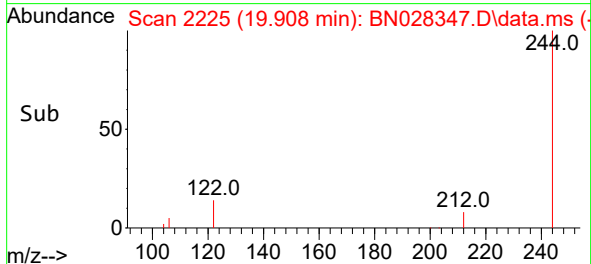
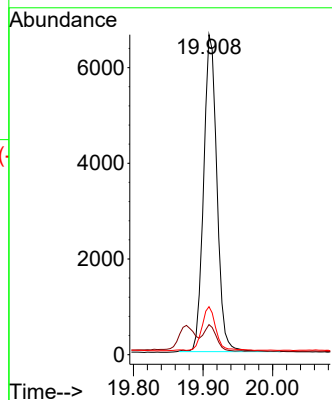
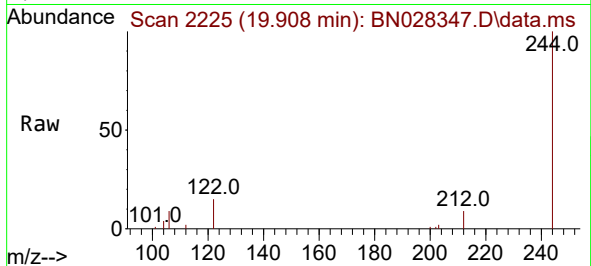




#31
Terphenyl-d14
Concen: 459.232 ng
RT: 19.908 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

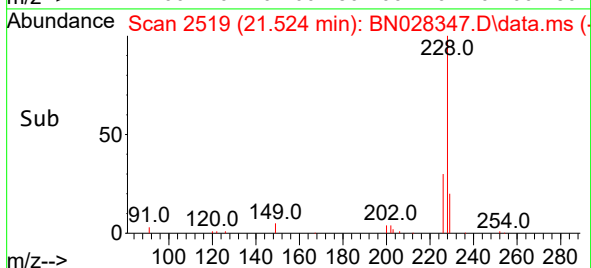
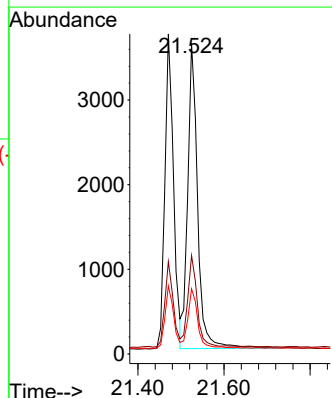
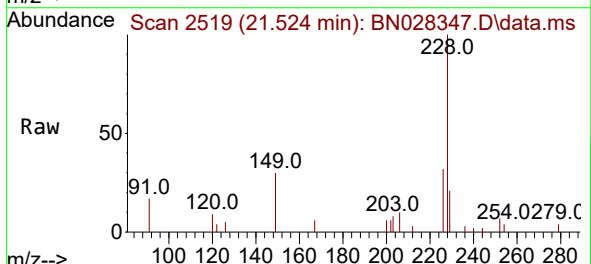
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-06-190-210-101823

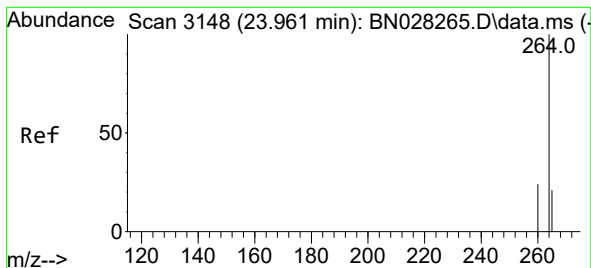
Tgt Ion:244 Resp: 8774
Ion Ratio Lower Upper
244 100
212 9.4 6.6 10.0
122 15.0 11.7 17.5



#32
Benzo(a)anthracene
Concen: 179.123 ng
RT: 21.524 min Scan# 2519
Delta R.T. 0.054 min
Lab File: BN028347.D
Acq: 23 Oct 2023 15:54

Tgt Ion:228 Resp: 5727
Ion Ratio Lower Upper
228 100
226 31.7 22.9 34.3
229 21.0 16.6 24.8





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.060 min Scan# 31

Delta R.T. 0.123 min

Lab File: BN028347.D

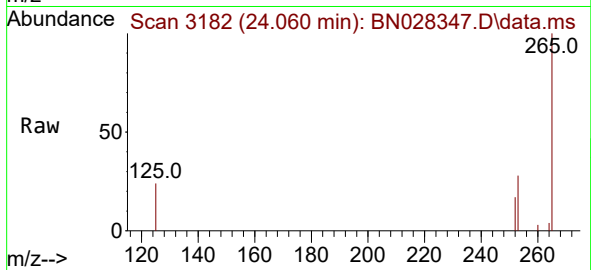
Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823



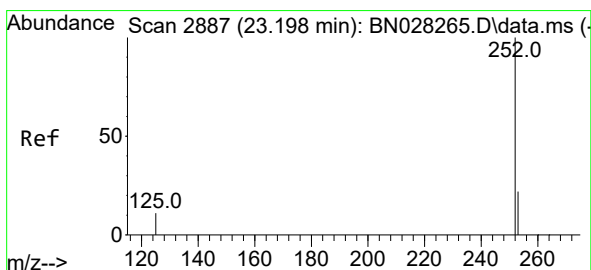
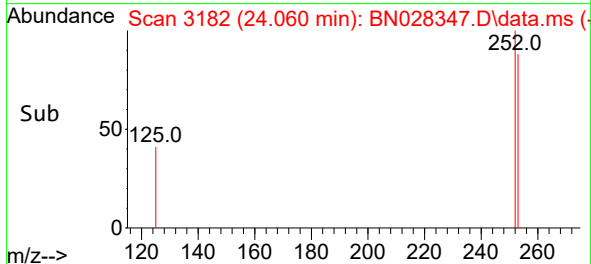
Tgt Ion:264 Resp: 3

Ion Ratio Lower Upper

264 100

260 69.0 20.7 31.1#

265 2515.5 38.3 57.5#



#37

Benzo(b)fluoranthene

Concen: 513.693 ng

RT: 23.232 min Scan# 2899

Delta R.T. 0.056 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

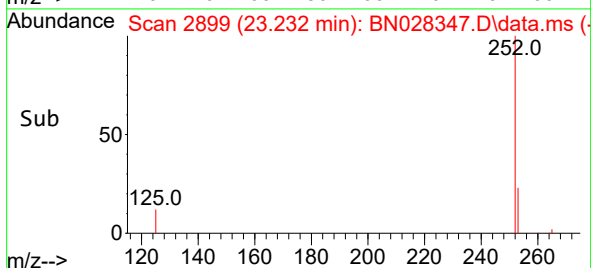
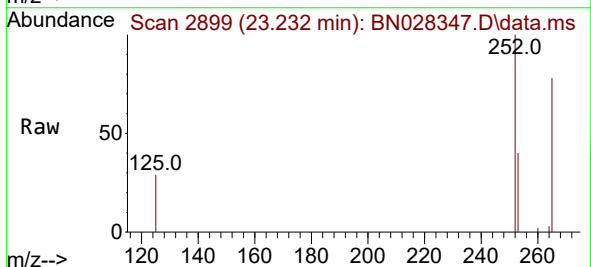
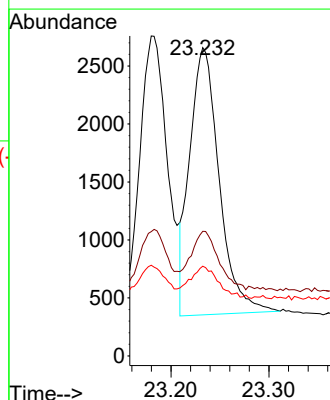
Tgt Ion:252 Resp: 4817

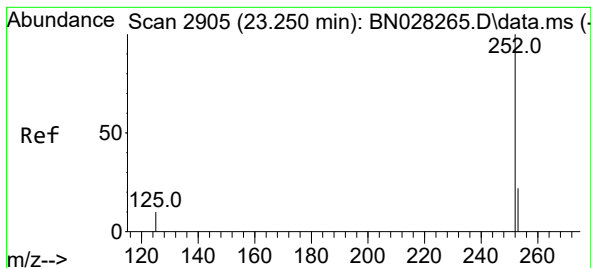
Ion Ratio Lower Upper

252 100

253 40.4 21.8 32.8#

125 29.1 15.6 23.4#





#38

Benzo(k)fluoranthene

Concen: 1.572 ng

RT: 23.361 min Scan# 2905

Delta R.T. 0.135 min

Lab File: BN028347.D

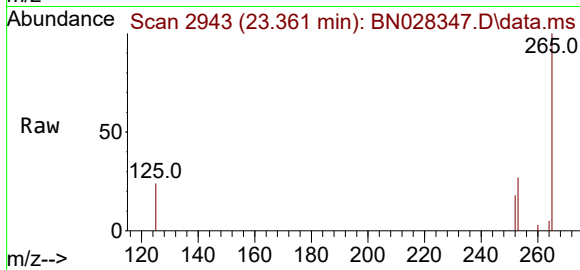
Acq: 23 Oct 2023 15:54

Instrument :

BN028347.D

ClientSampleId :

GWOW-BR-06-190-210-101823



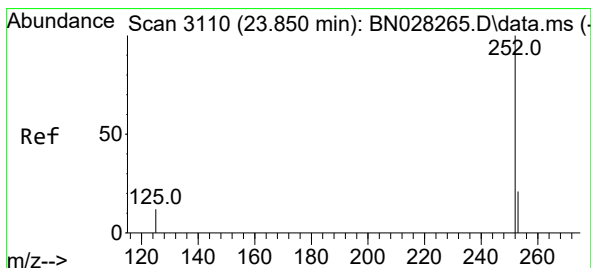
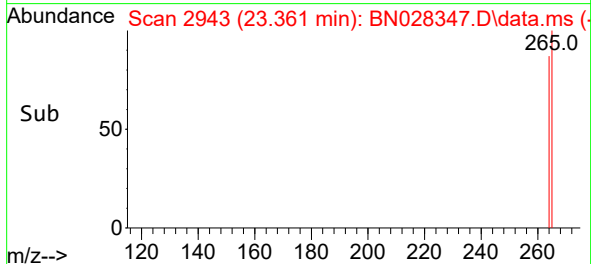
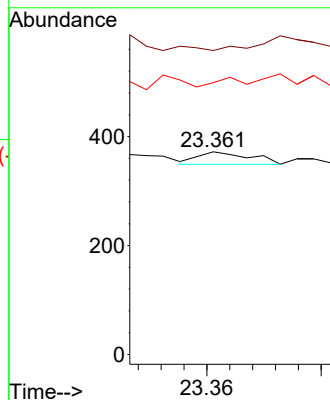
Tgt Ion:252 Resp: 15

Ion Ratio Lower Upper

252 100

253 150.0 22.0 33.0#

125 134.1 15.3 22.9#



#39

Benzo(a)pyrene

Concen: 413.480 ng

RT: 23.838 min Scan# 3106

Delta R.T. 0.009 min

Lab File: BN028347.D

Acq: 23 Oct 2023 15:54

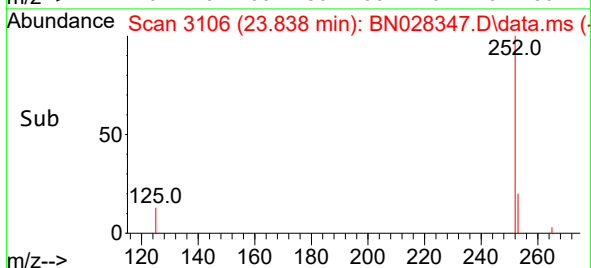
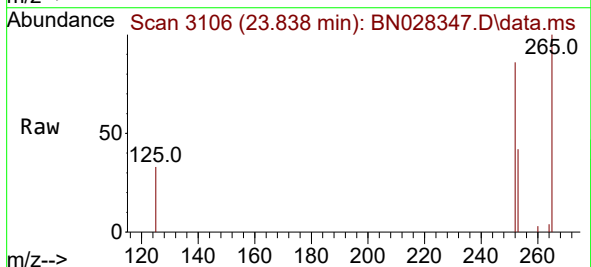
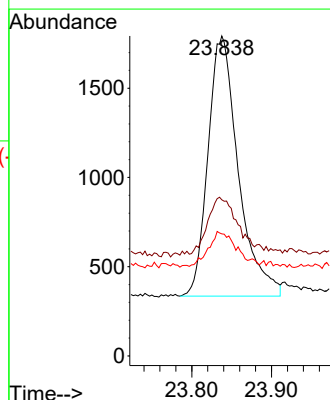
Tgt Ion:252 Resp: 3857

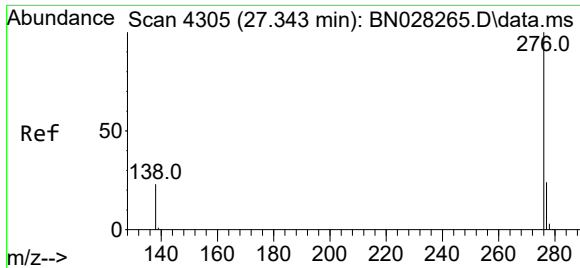
Ion Ratio Lower Upper

252 100

253 48.8 22.7 34.1#

125 38.1 17.0 25.6#





#41

Benzo(g,h,i)perylene

Concen: 375.918 ng

RT: 27.323 min Scan# 41

Delta R.T. 0.018 min

Lab File: BN028347.D

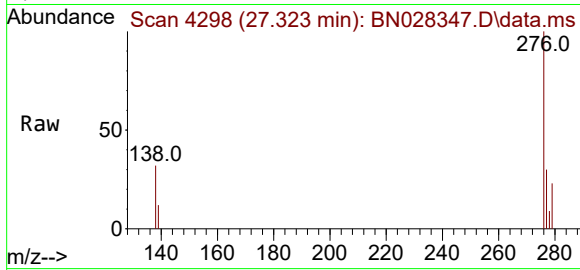
Acq: 23 Oct 2023 15:54

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-06-190-210-101823



Tgt Ion:276 Resp: 3811

Ion Ratio Lower Upper

276 100

277 29.6 21.7 32.5

138 31.9 21.7 32.5

