

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100322\
 Data File : BN021994.D
 Acq On : 04 Oct 2022 02:35
 Operator : CG/JU
 Sample : N4844-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-02-217-237-093022

Quant Time: Oct 04 04:09:50 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 01:32:21 2022
 Response via : Initial Calibration

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

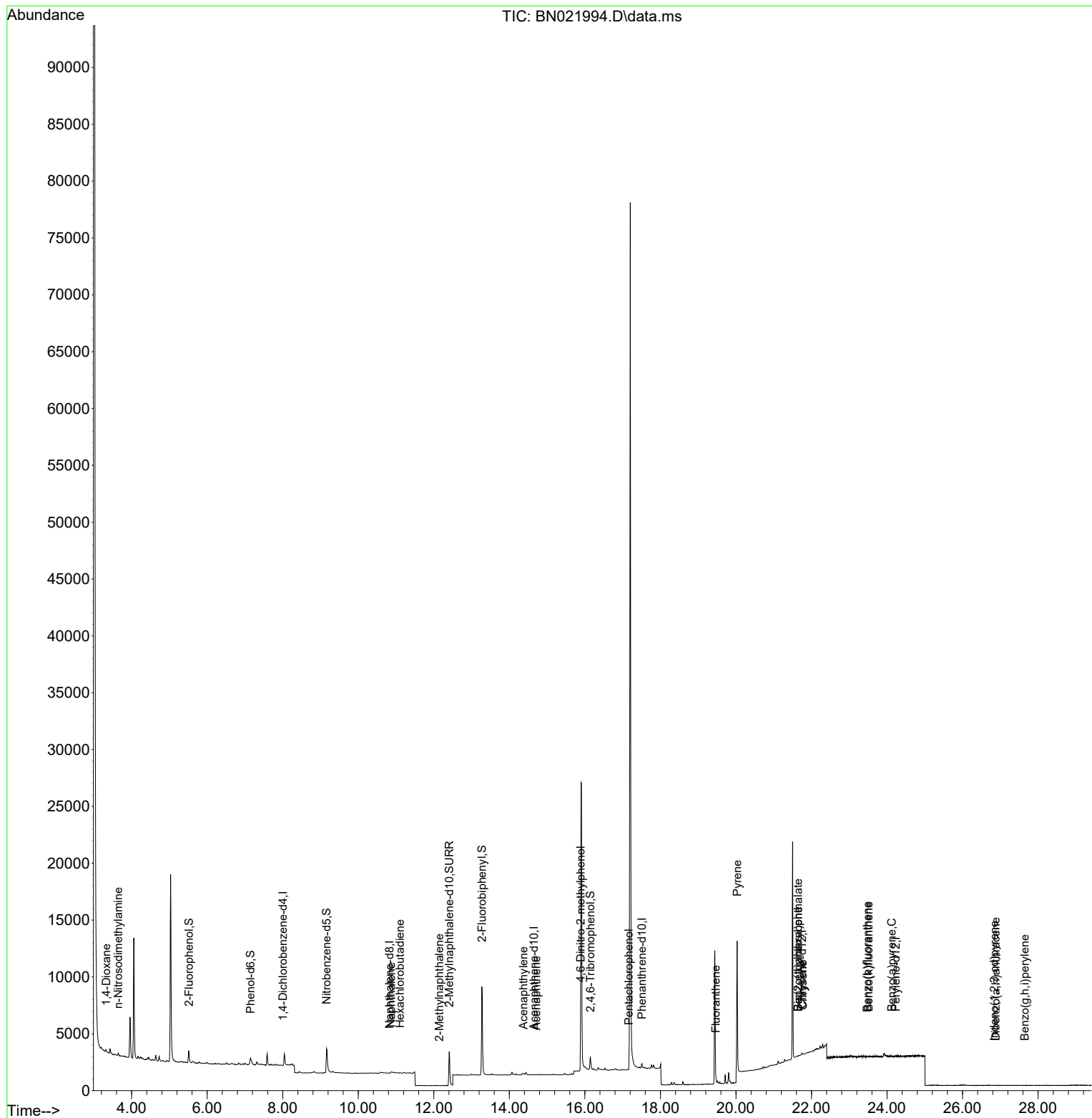
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.007	152	2	0.400	ng	# 0.02
7) Naphthalene-d8	10.827	136	9	0.400	ng	# 0.01
13) Acenaphthene-d10	14.653	164	6	0.400	ng	# 0.00
19) Phenanthrene-d10	17.511	188	615	0.400	ng	# 0.10
29) Chrysene-d12	21.752	240	6	0.400	ng	# 0.14
35) Perylene-d12	24.233	264	2	0.400	ng	# 0.15
System Monitoring Compounds						
4) 2-Fluorophenol	5.515	112	1051	226.850	ng	0.00
5) Phenol-d6	7.148	99	758	126.090	ng	0.00
8) Nitrobenzene-d5	9.161	82	2609	360.558	ng	0.00
11) 2-Methylnaphthalene-d10	12.410	152	5933	358.648	ng	0.00
14) 2,4,6-Tribromophenol	16.146	330	710	310.266	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	7739	295.209	ng	-0.01
27) Fluoranthene-d10	0.000	212	0	0.000	ng	
31) Terphenyl-d14	0.000	244	0	0.000	ng	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.327	88	40	15.454	ng	# 1
3) n-Nitrosodimethylamine	3.645	42	32	11.370	ng	# 8
9) Naphthalene	10.869	128	165	6.071	ng	# 14
10) Hexachlorobutadiene	11.104	225	1	0.212	ng	# 18
12) 2-Methylnaphthalene	12.145	142	2	0.497	ng	# 1
16) Acenaphthylene	14.375	152	16	0.560	ng	# 1
17) Acenaphthene	14.717	154	19	0.947	ng	# 44
20) 4,6-Dinitro-2-methylph...	15.885	198	6	0.242	ng	# 1
24) Pentachlorophenol	17.164	266	4	0.028	ng	# 19
28) Fluoranthene	19.470	202	132	0.058	ng	# 34
30) Pyrene	20.032	202	48	1.822	ng	# 1
32) Benzo(a)anthracene	21.645	228	42	1.862	ng	# 1
33) Chrysene	21.770	228	1	0.040	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.645	149	62	5.727	ng	# 47
36) Indeno(1,2,3-cd)pyrene	26.838	276	1	0.099	ng	# 1
37) Benzo(b)fluoranthene	23.473	252	10	1.055	ng	# 1
38) Benzo(k)fluoranthene	23.514	252	4	0.424	ng	# 1
39) Benzo(a)pyrene	24.128	252	6	0.830	ng	# 1
40) Dibenzo(a,h)anthracene	26.873	278	2	0.248	ng	# 1
41) Benzo(g,h,i)perylene	27.651	276	1	0.115	ng	# 1

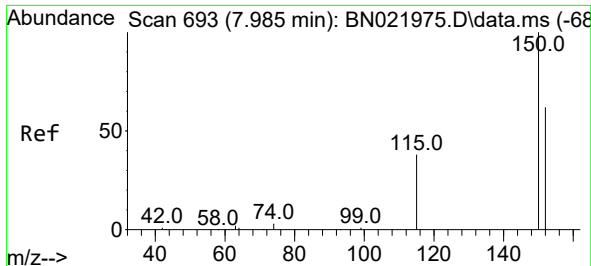
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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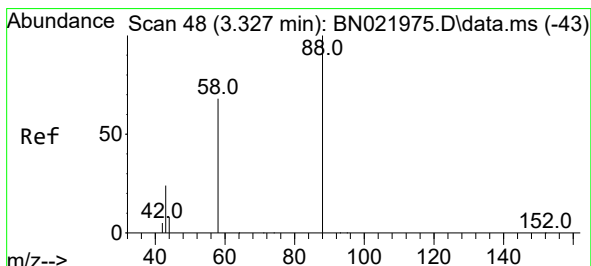
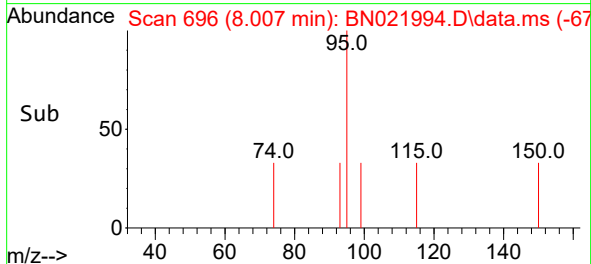
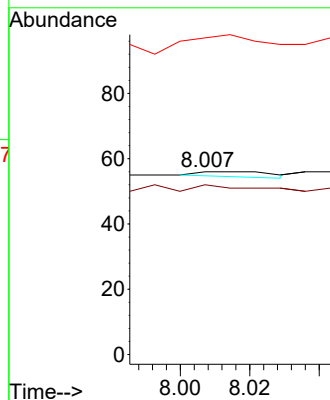
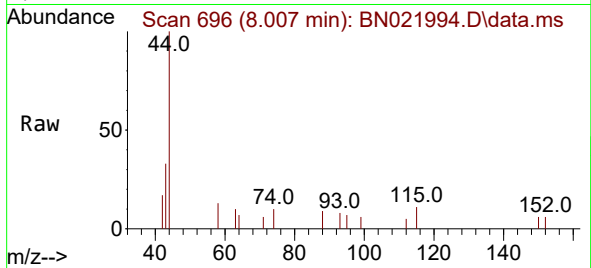




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.007 min Scan# 693
 Delta R.T. 0.022 min
 Lab File: BN021994.D
 Acq: 04 Oct 2022 02:35

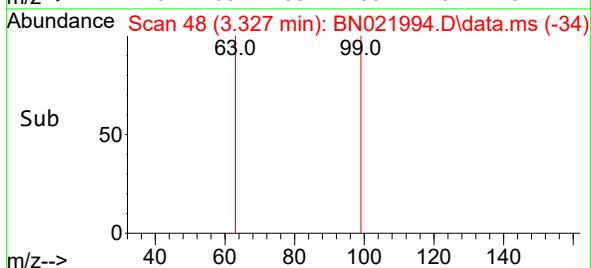
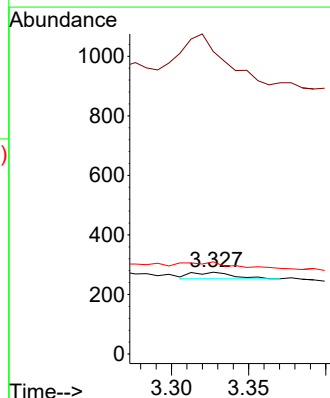
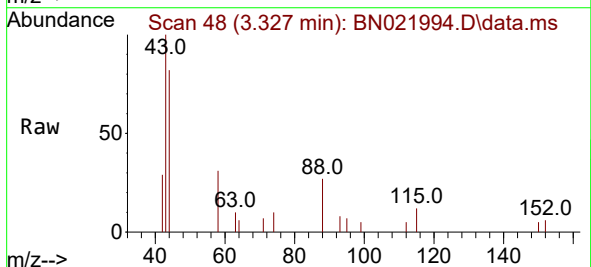
Instrument :
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 ClientSampleId :
 GWOW-BR-02-217-237-093022

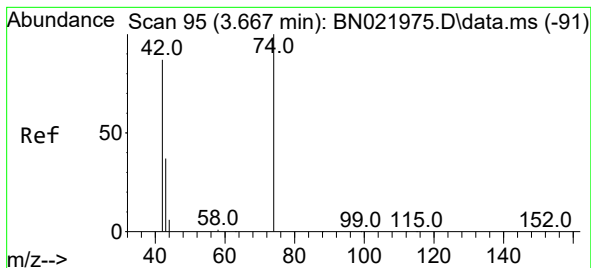
Tgt Ion:152 Resp: 2
 Ion Ratio Lower Upper
 152 100
 150 92.9 127.2 190.8#
 115 173.2 51.4 77.0#



#2
 1,4-Dioxane
 Concen: 15.454 ng
 RT: 3.327 min Scan# 48
 Delta R.T. -0.000 min
 Lab File: BN021994.D
 Acq: 04 Oct 2022 02:35

Tgt Ion: 88 Resp: 40
 Ion Ratio Lower Upper
 88 100
 43 797.5 22.6 34.0#
 58 130.0 58.6 88.0#

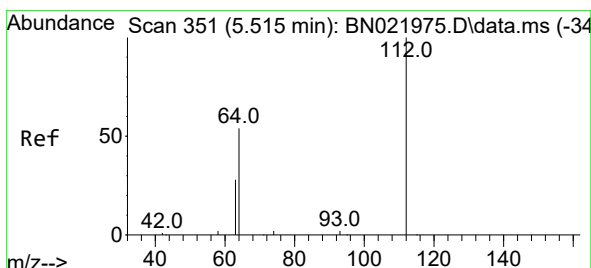
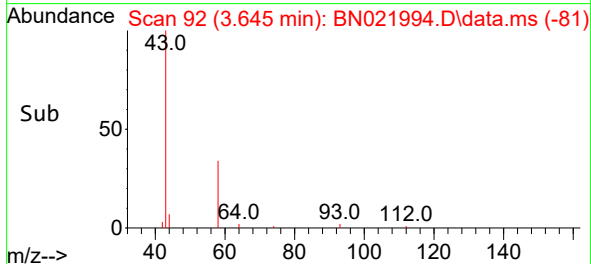
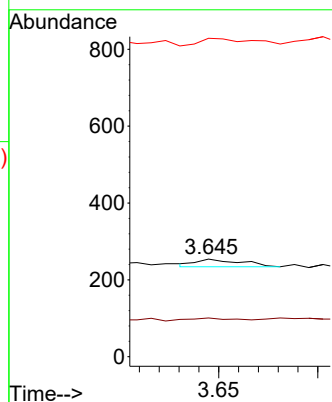
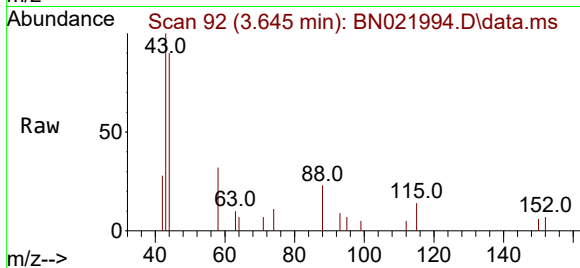




#3
n-Nitrosodimethylamine
Concen: 11.370 ng
RT: 3.645 min Scan# 91
Delta R.T. -0.022 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

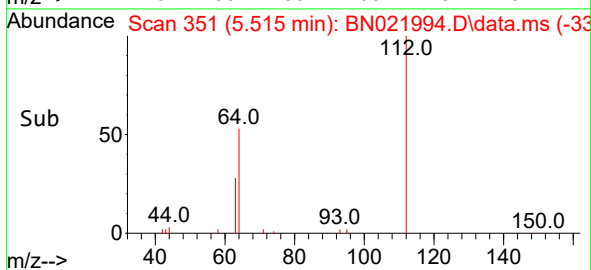
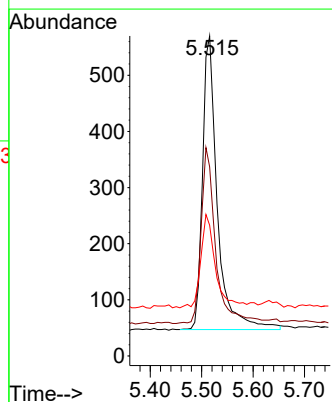
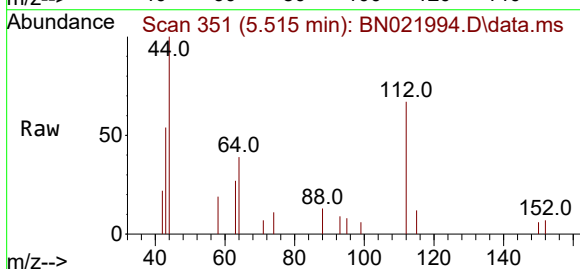
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

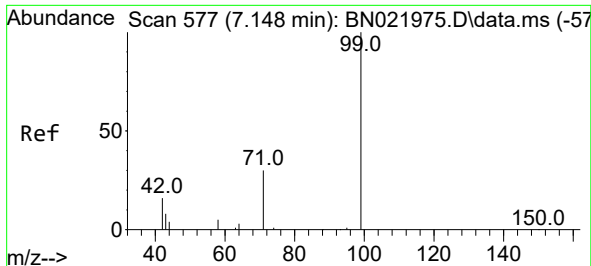
Tgt Ion: 42 Resp: 32
Ion Ratio Lower Upper
42 100
74 40.6 101.6 152.4#
44 115.6 10.4 15.6#



#4
2-Fluorophenol
Concen: 226.850 ng
RT: 5.515 min Scan# 351
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion: 112 Resp: 1051
Ion Ratio Lower Upper
112 100
64 58.6 46.9 70.3
63 31.1 24.6 37.0

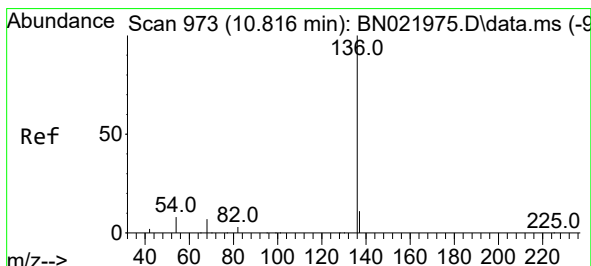
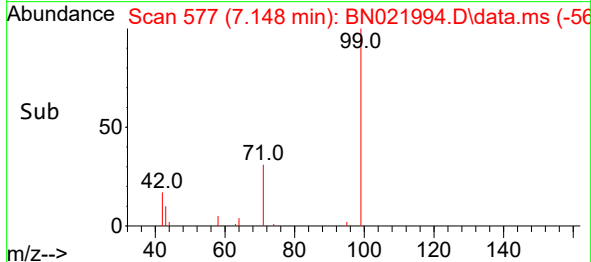
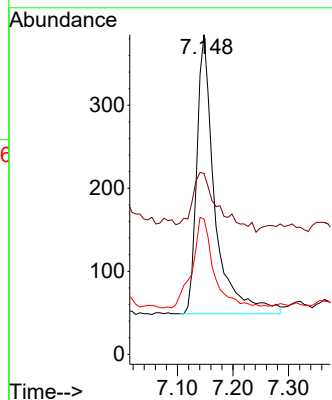
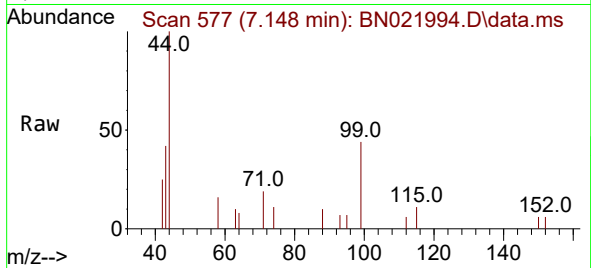




#5
Phenol-d6
Concen: 126.090 ng
RT: 7.148 min Scan# 577
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

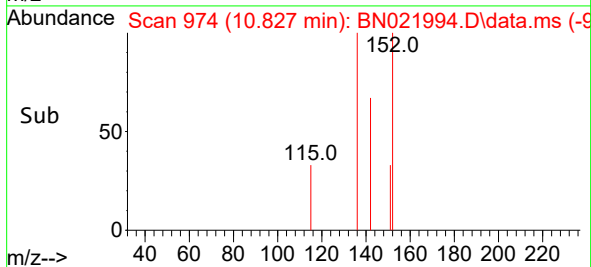
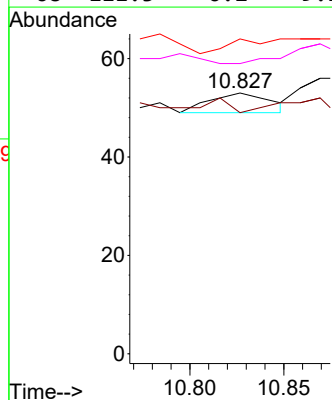
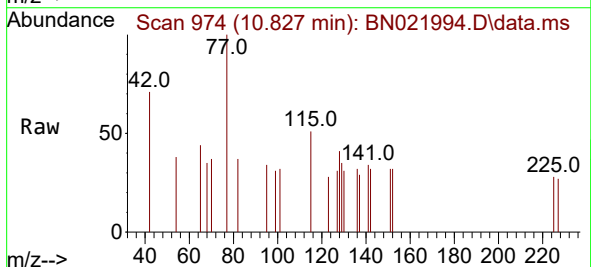
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

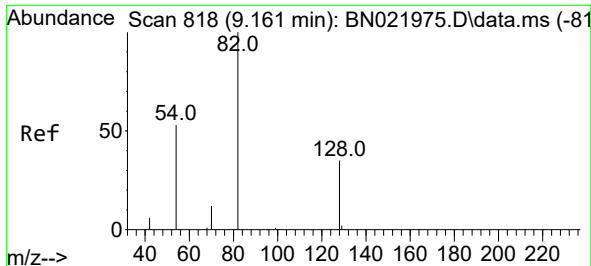
Tgt Ion: 99 Resp: 758
Ion Ratio Lower Upper
99 100
42 31.5 15.9 23.9#
71 38.9 25.6 38.4#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.827 min Scan# 974
Delta R.T. 0.011 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion: 136 Resp: 9
Ion Ratio Lower Upper
136 100
137 92.5 9.2 13.8#
54 120.8 7.1 10.7#
68 111.3 6.2 9.2#

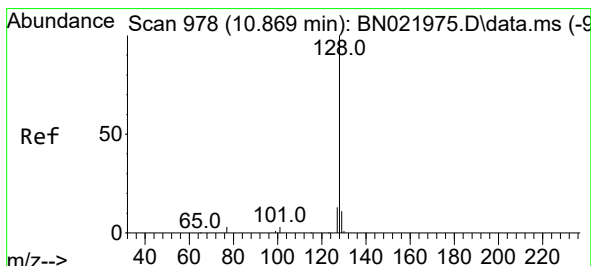
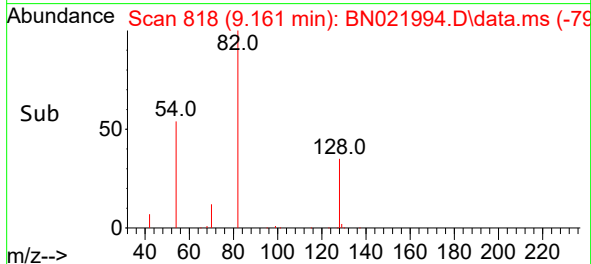
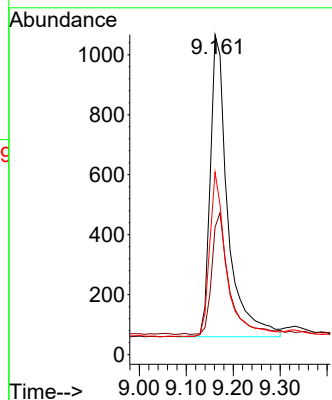
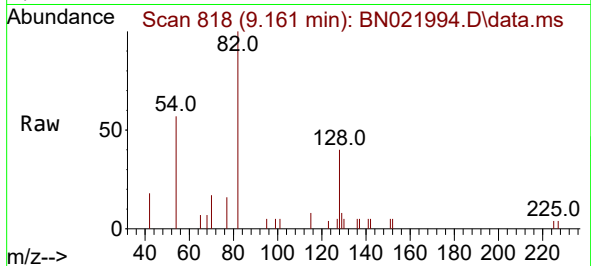




#8
Nitrobenzene-d5
Concen: 360.558 ng
RT: 9.161 min Scan# 818
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

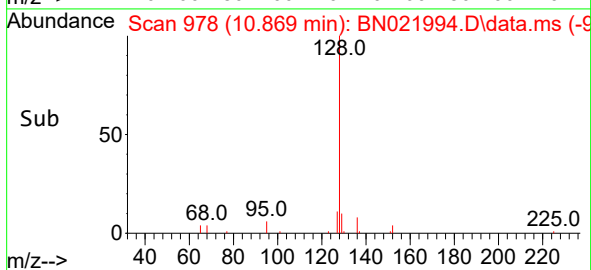
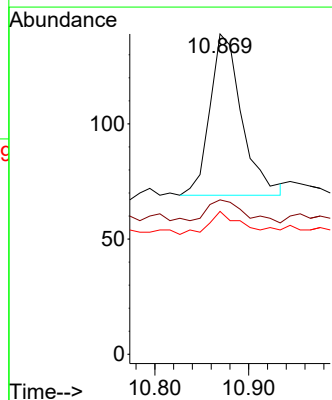
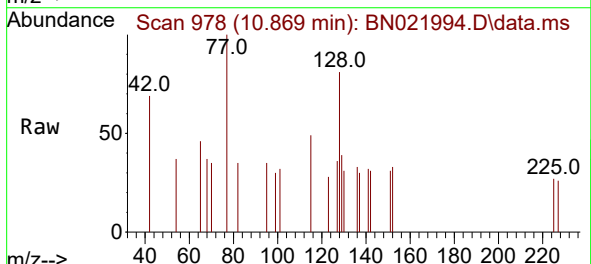
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

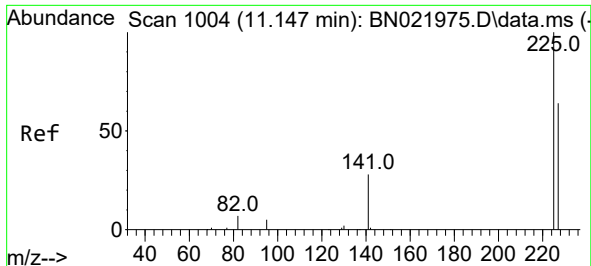
Tgt Ion: 82 Resp: 2609
Ion Ratio Lower Upper
82 100
128 39.8 29.9 44.9
54 57.0 43.5 65.3



#9
Naphthalene
Concen: 6.071 ng
RT: 10.869 min Scan# 978
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion: 128 Resp: 165
Ion Ratio Lower Upper
128 100
129 48.2 9.3 13.9#
127 44.6 10.6 16.0#

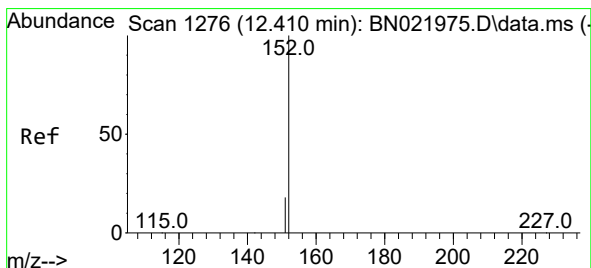
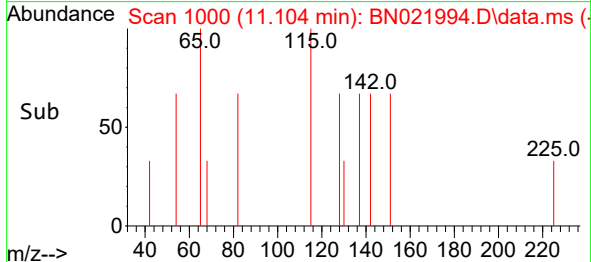
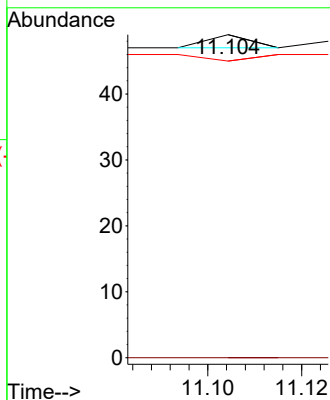
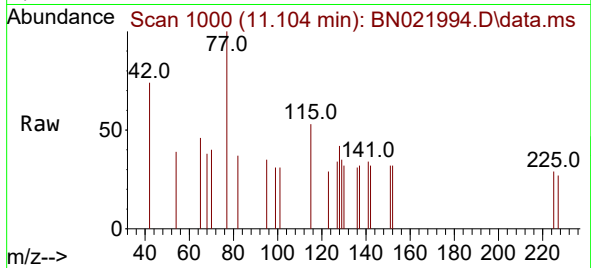




#10
Hexachlorobutadiene
Concen: 0.212 ng
RT: 11.104 min Scan# 1000
Delta R.T. -0.043 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

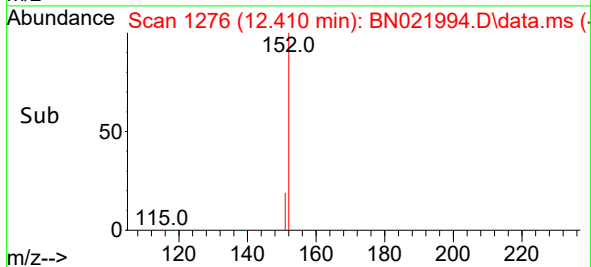
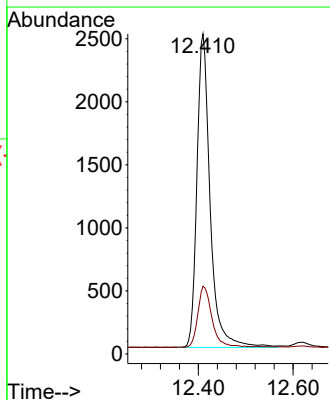
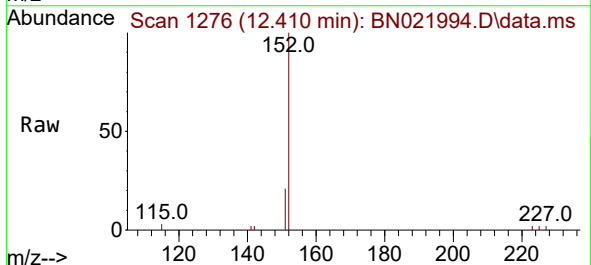
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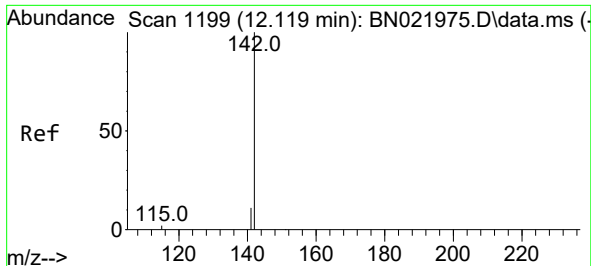
Tgt Ion:225 Resp: 1
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 0.0 51.3 76.9#



#11
2-Methylnaphthalene-d10
Concen: 358.648 ng
RT: 12.410 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion:152 Resp: 5933
Ion Ratio Lower Upper
152 100
151 16.9 13.8 20.6





#12

2-Methylnaphthalene

Concen: 0.497 ng

RT: 12.145 min Scan# 1199

Delta R.T. 0.026 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-02-217-237-093022

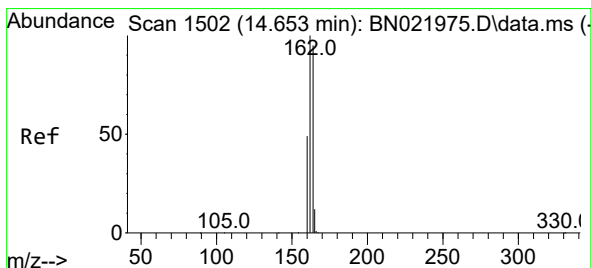
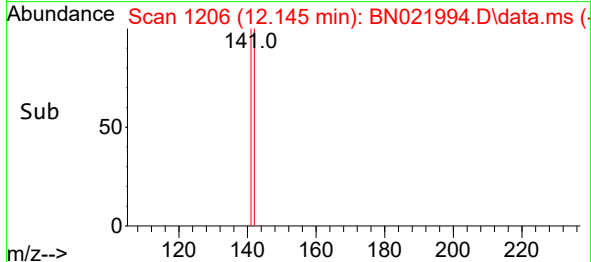
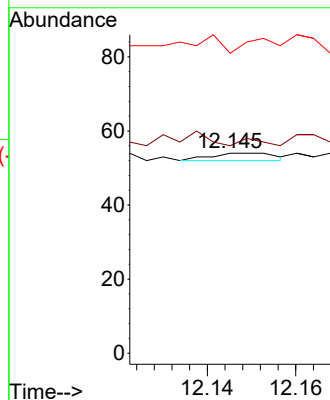
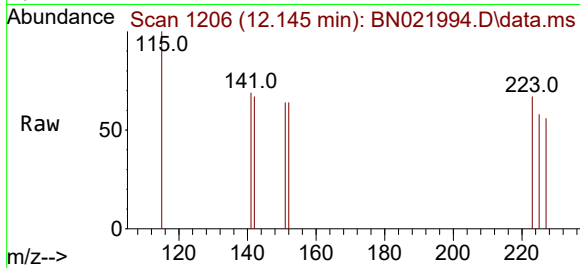
Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 103.7 13.6 20.4#

115 150.0 9.7 14.5#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.653 min Scan# 1502

Delta R.T. -0.000 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

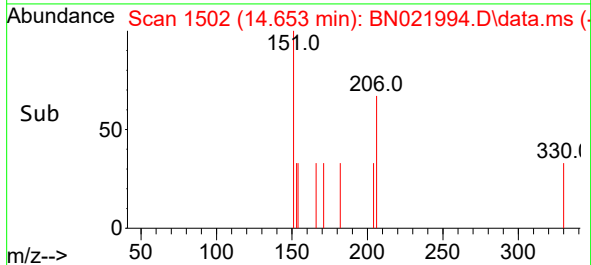
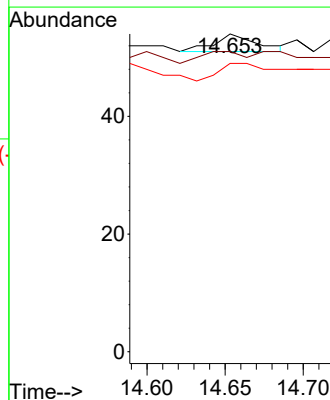
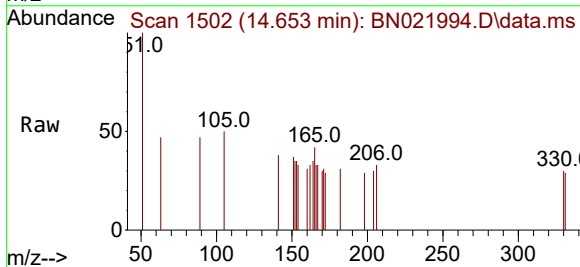
Tgt Ion:164 Resp: 6

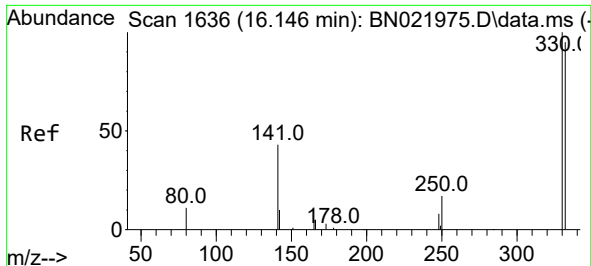
Ion Ratio Lower Upper

164 100

162 94.4 84.3 126.5

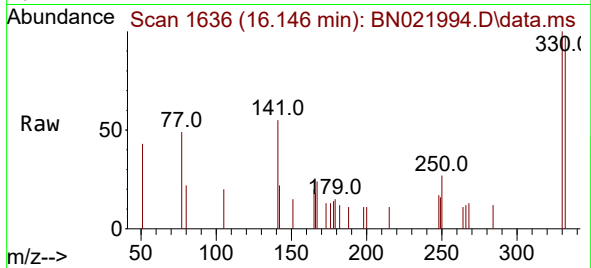
160 90.7 41.7 62.5#



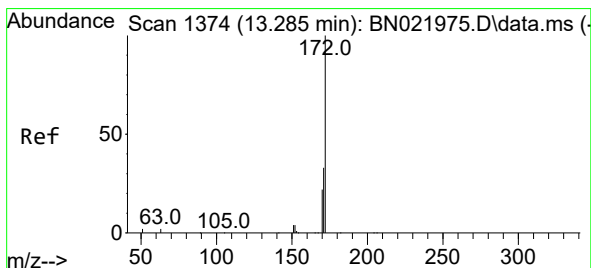
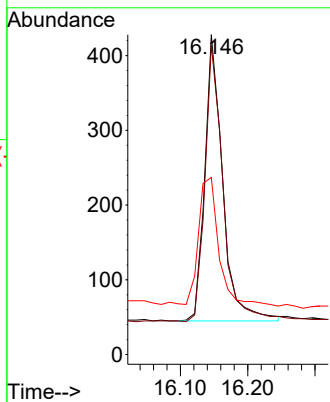
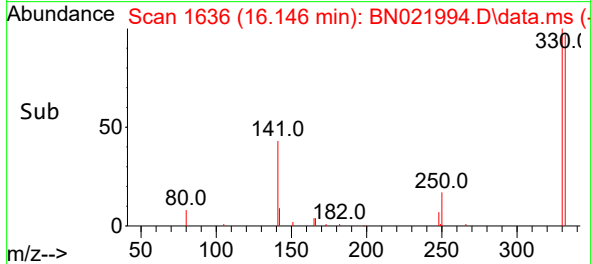


#14
2,4,6-Tribromophenol
Concen: 310.266 ng
RT: 16.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

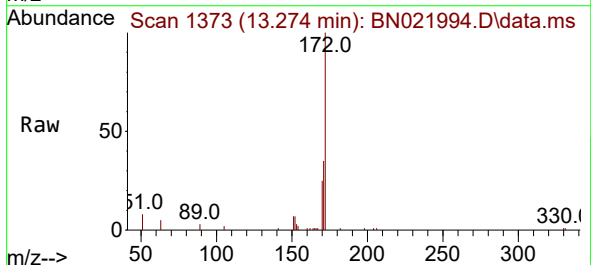
Instrument :
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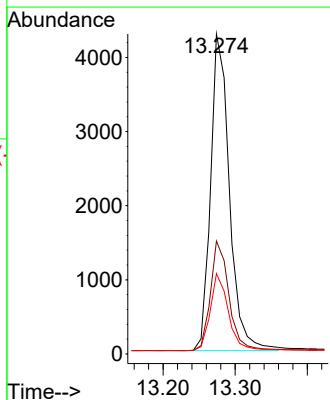
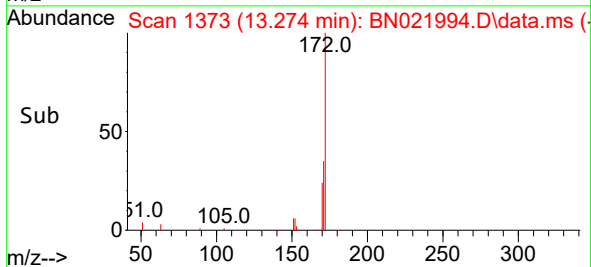
Tgt Ion:330 Resp: 710
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 51.1 35.3 52.9

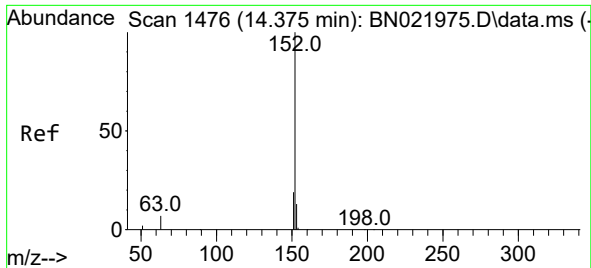


#15
2-Fluorobiphenyl
Concen: 295.209 ng
RT: 13.274 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35



Tgt Ion:172 Resp: 7739
Ion Ratio Lower Upper
172 100
171 35.3 27.2 40.8
170 25.1 18.3 27.5

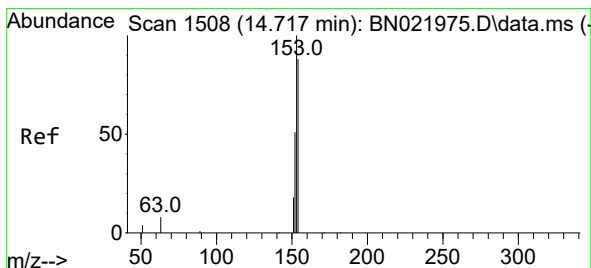
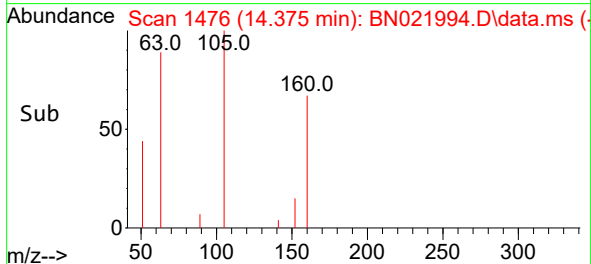
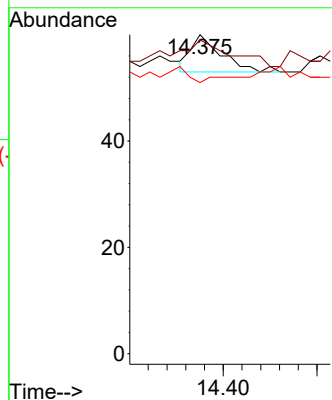
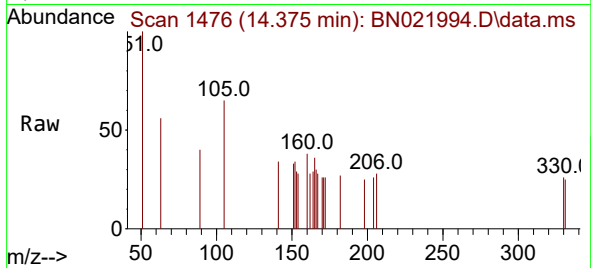




#16
Acenaphthylene
Concen: 0.560 ng
RT: 14.375 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

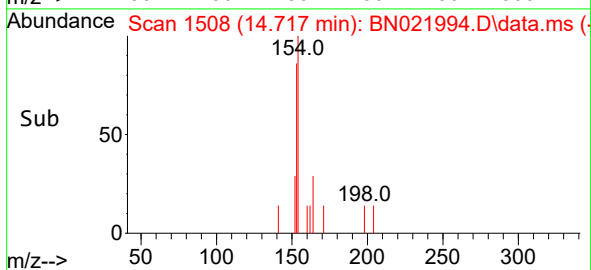
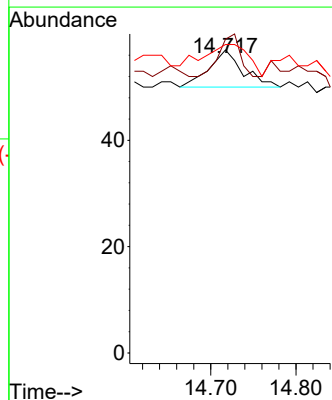
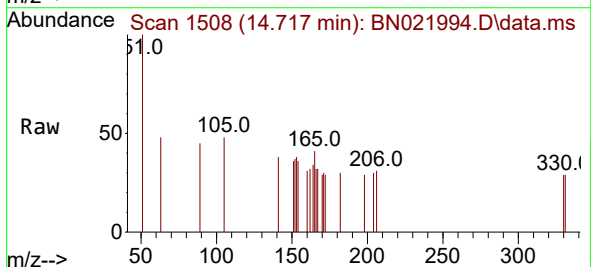
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

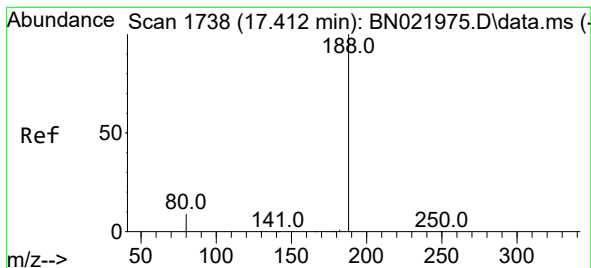
Tgt Ion:152 Resp: 16
Ion Ratio Lower Upper
152 100
151 150.0 15.5 23.3#
153 6.3 10.4 15.6#



#17
Acenaphthene
Concen: 0.947 ng
RT: 14.717 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion:154 Resp: 19
Ion Ratio Lower Upper
154 100
153 68.4 92.1 138.1#
152 121.1 47.8 71.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.511 min Scan# 1

Delta R.T. 0.099 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-02-217-237-093022

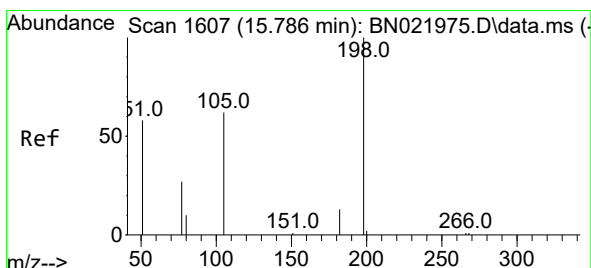
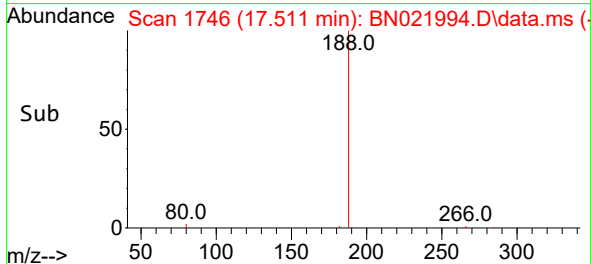
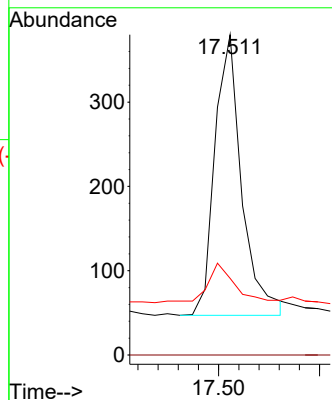
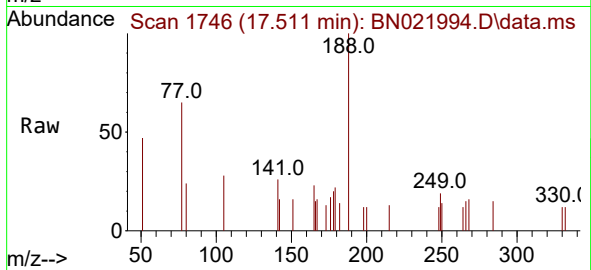
Tgt Ion:188 Resp: 615

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 23.9 7.5 11.3#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.242 ng

RT: 15.885 min Scan# 1615

Delta R.T. 0.099 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

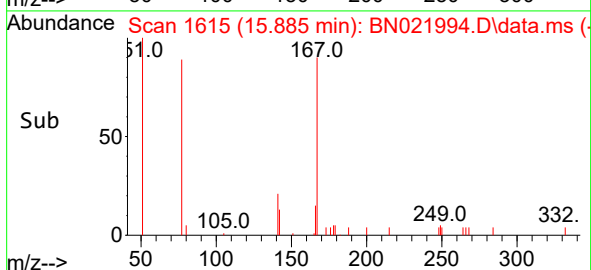
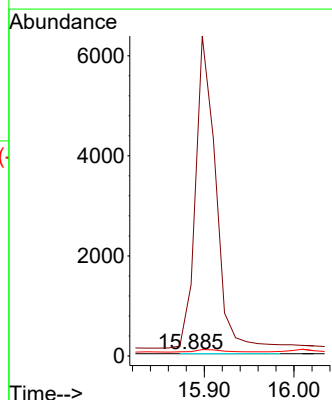
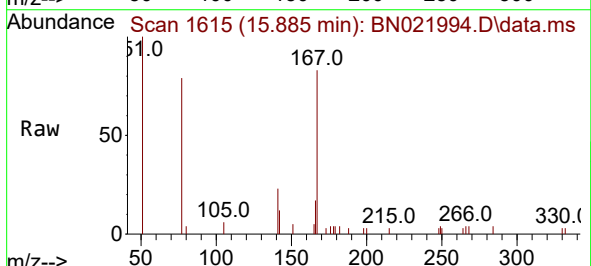
Tgt Ion:198 Resp: 6

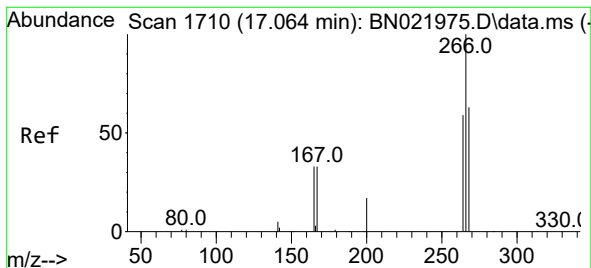
Ion Ratio Lower Upper

198 100

51 3093.5 96.6 144.8#

105 187.0 64.4 96.6#

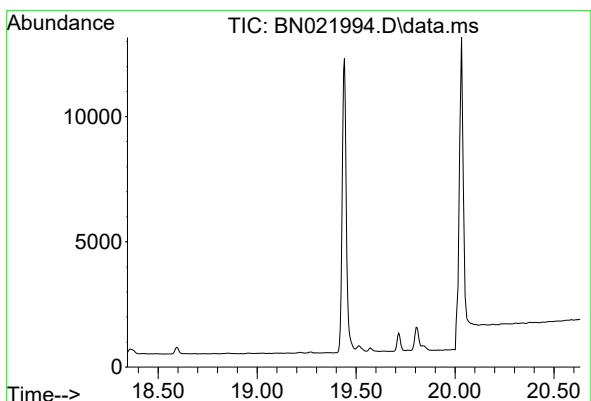
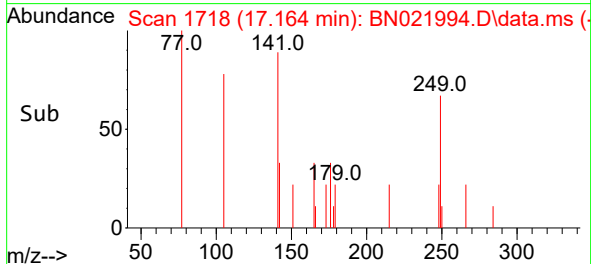
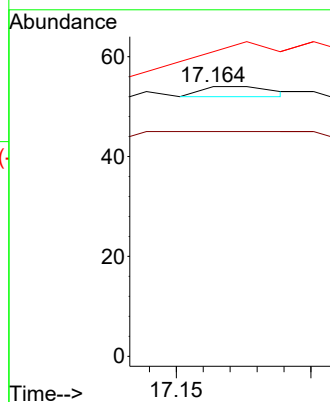
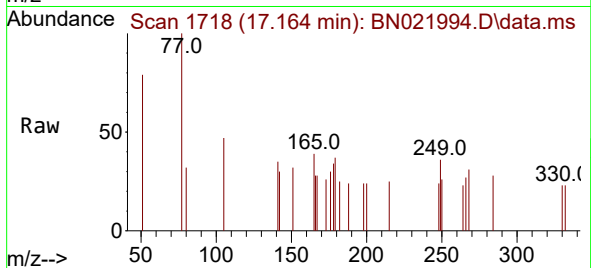




#24
Pentachlorophenol
Concen: 0.028 ng
RT: 17.164 min Scan# 11
Delta R.T. 0.100 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

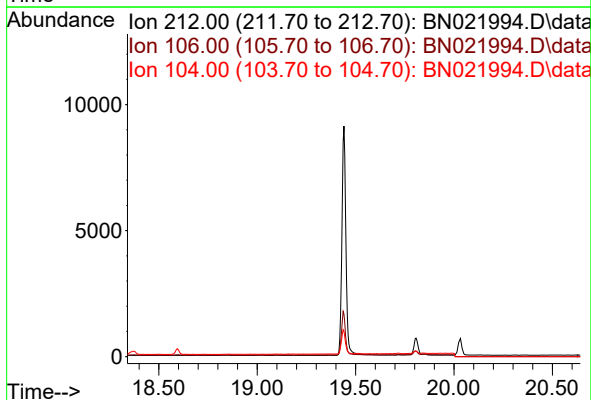
Tgt Ion: 266 Resp: 4
Ion Ratio Lower Upper
266 100
264 0.0 49.8 74.6#
268 0.0 49.6 74.4#

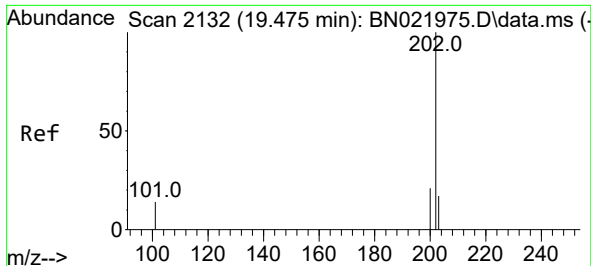


#27
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.44 min

Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion: 212
Sig Exp Ratio
212 100
106 19.0
104 10.8

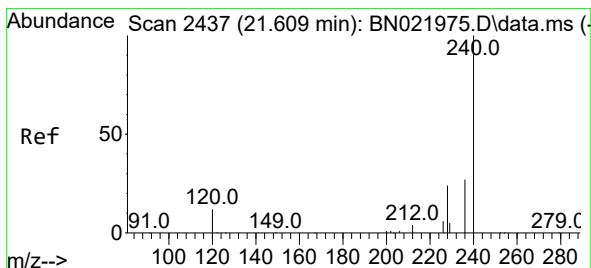
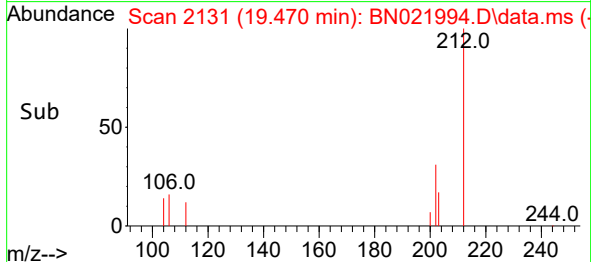
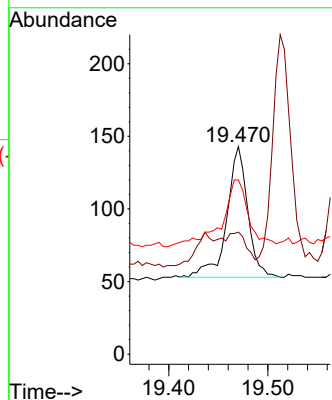
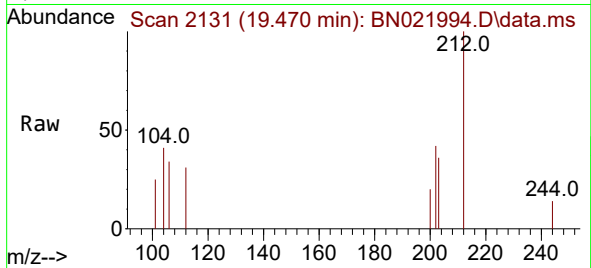




#28
Fluoranthene
Concen: 0.058 ng
RT: 19.470 min Scan# 2131
Delta R.T. -0.004 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

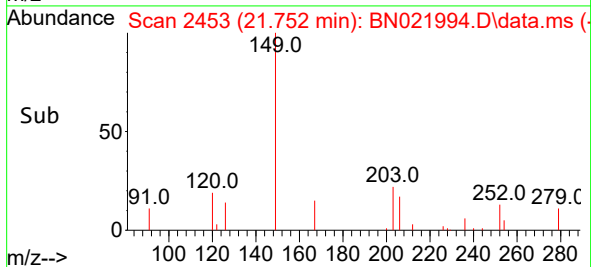
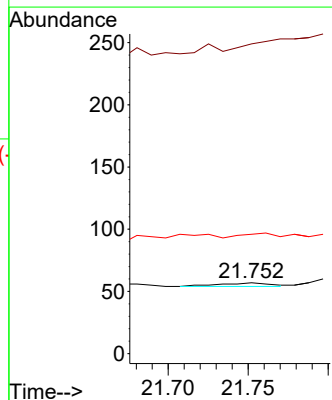
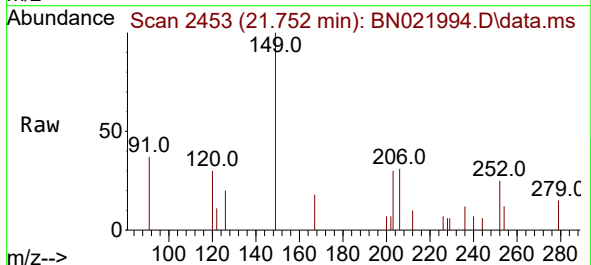
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

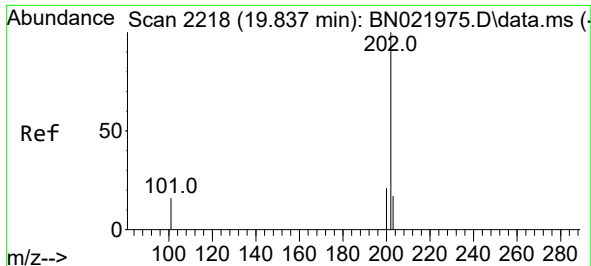
Tgt Ion:202 Resp: 132
Ion Ratio Lower Upper
202 100
101 18.2 11.4 17.0#
203 65.9 13.5 20.3#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.752 min Scan# 2453
Delta R.T. 0.143 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

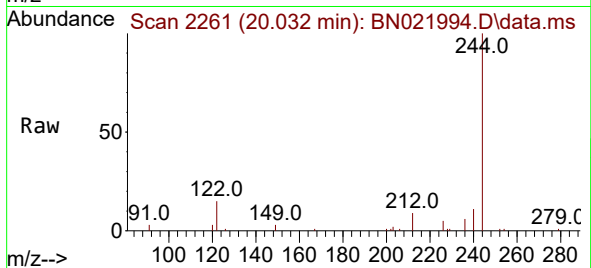
Tgt Ion:240 Resp: 6
Ion Ratio Lower Upper
240 100
120 436.8 11.8 17.6#
236 168.4 22.4 33.6#



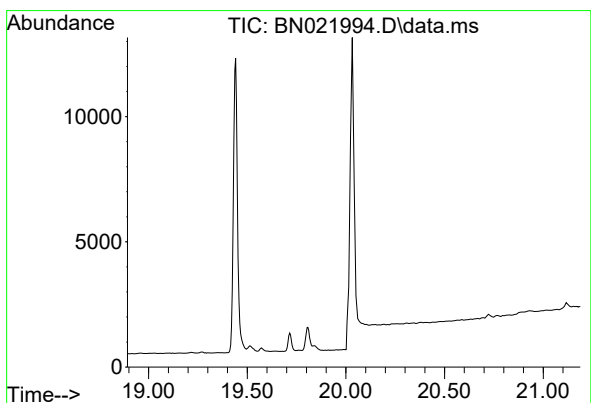
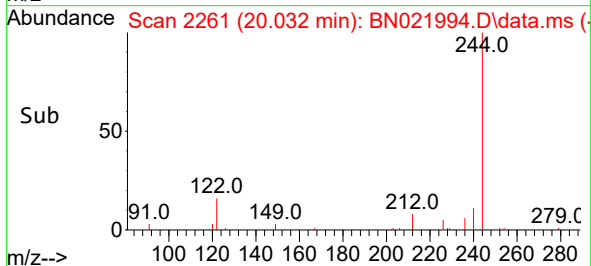
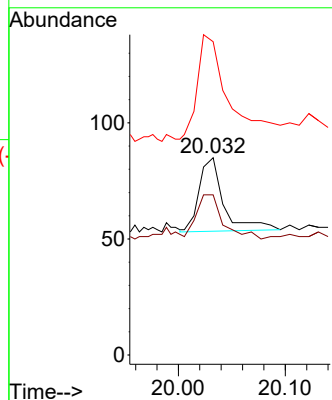


#30
Pyrene
Concen: 1.822 ng
RT: 20.032 min Scan# 21
Delta R.T. 0.195 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022



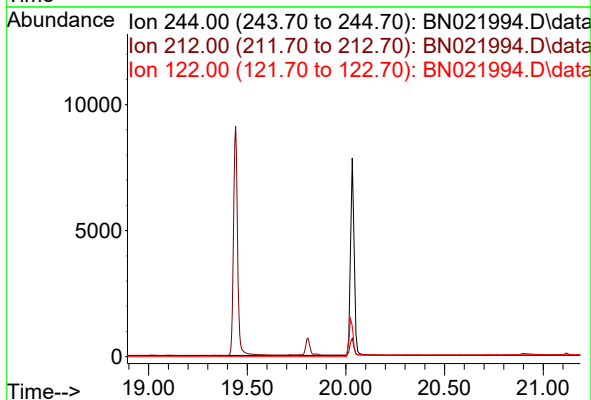
Tgt Ion: 202 Resp: 48
Ion Ratio Lower Upper
202 100
200 58.3 16.6 25.0#
203 185.4 14.1 21.1#

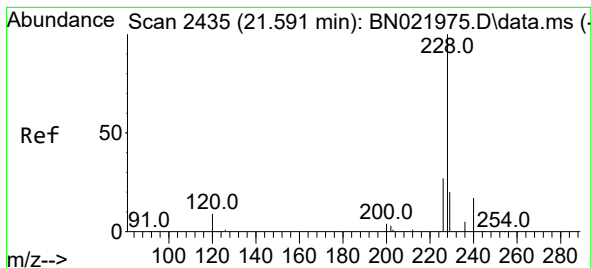


#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.04 min

Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion: 244
Sig Exp Ratio
244 100
212 8.1
122 11.4





#32

Benzo(a)anthracene

Concen: 1.862 ng

RT: 21.645 min Scan# 2441

Delta R.T. 0.054 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-02-217-237-093022

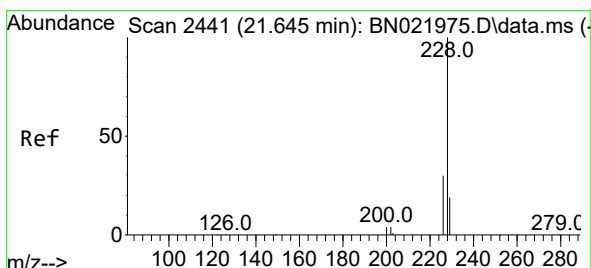
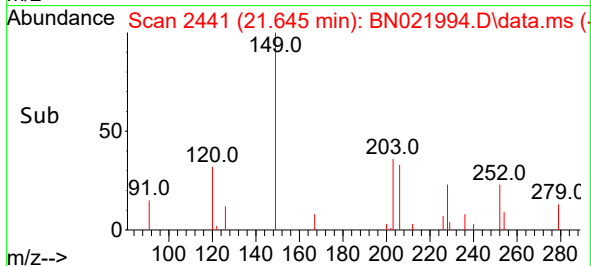
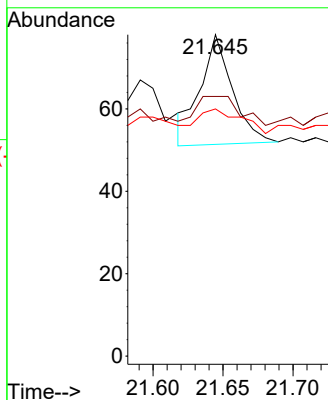
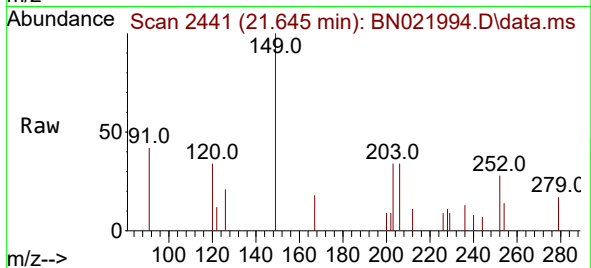
Tgt Ion:228 Resp: 42

Ion Ratio Lower Upper

228 100

226 80.8 22.2 33.4#

229 76.9 16.2 24.2#



#33

Chrysene

Concen: 0.040 ng

RT: 21.770 min Scan# 2455

Delta R.T. 0.125 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

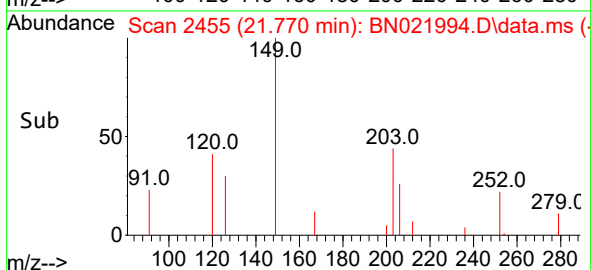
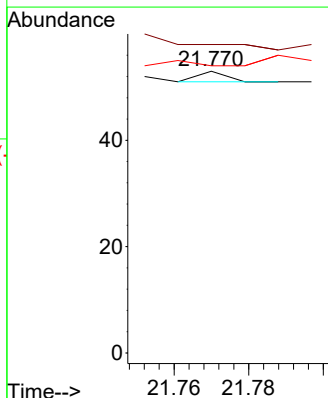
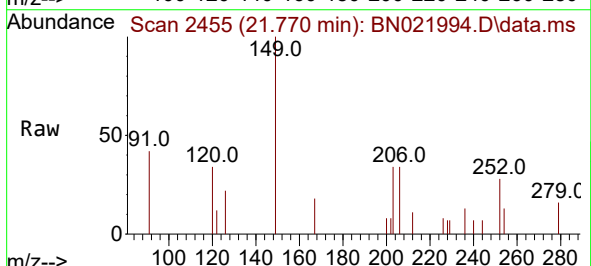
Tgt Ion:228 Resp: 1

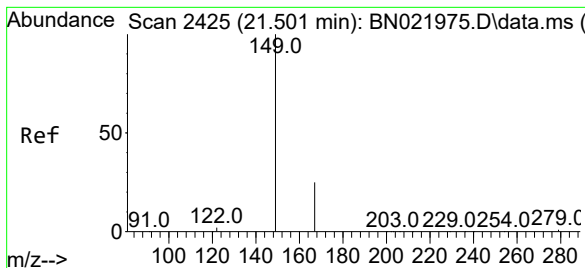
Ion Ratio Lower Upper

228 100

226 109.4 24.2 36.2#

229 101.9 15.8 23.6#

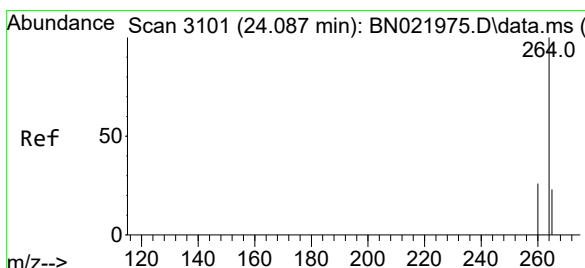
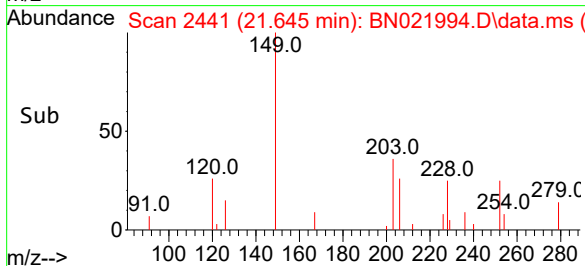
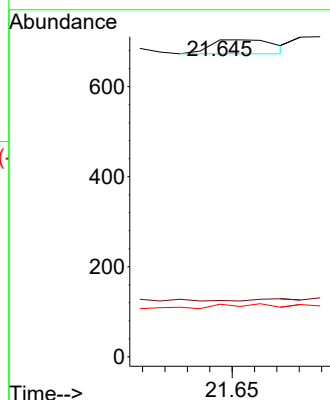
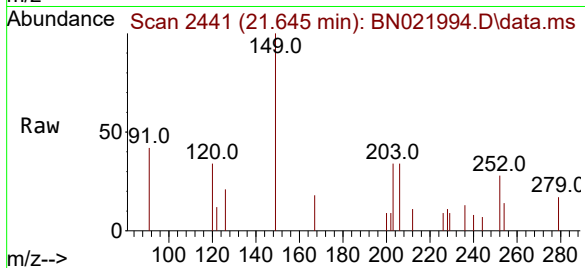




#34
Bis(2-ethylhexyl)phthalate
Concen: 5.727 ng
RT: 21.645 min Scan# 2425
Delta R.T. 0.143 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

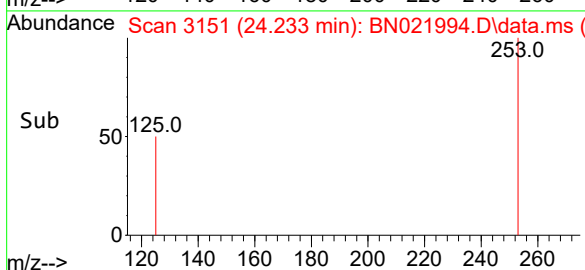
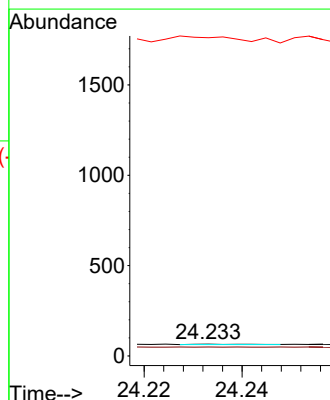
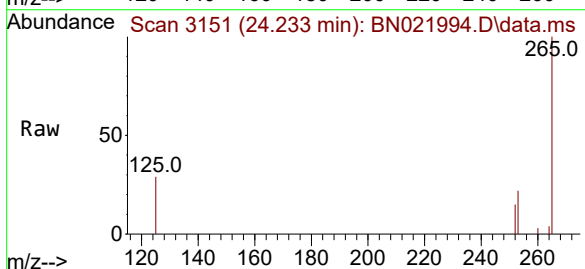
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

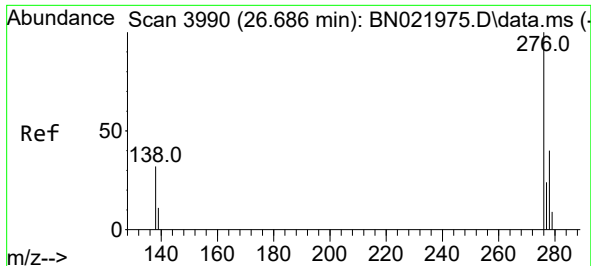
Tgt Ion:149 Resp: 62
Ion Ratio Lower Upper
149 100
167 0.0 20.2 30.4#
279 29.0 2.3 3.5#



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.233 min Scan# 3151
Delta R.T. 0.146 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion:264 Resp: 2
Ion Ratio Lower Upper
264 100
260 75.8 21.3 31.9#
265 2668.2 63.0 94.4#

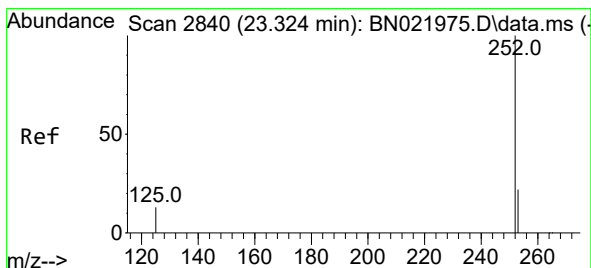
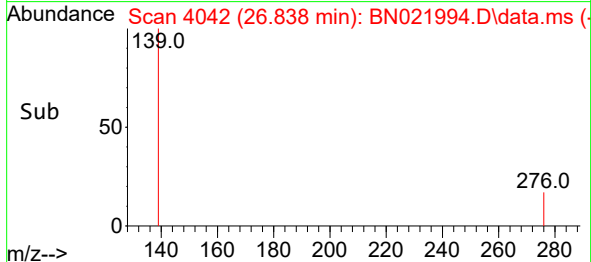
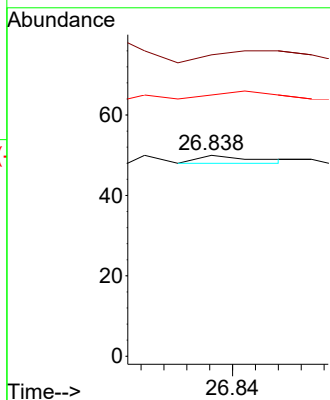
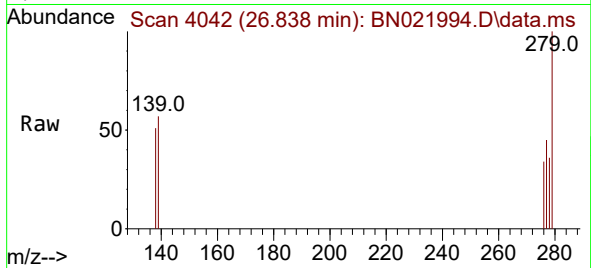




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.099 ng
RT: 26.838 min Scan# 4042
Delta R.T. 0.152 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

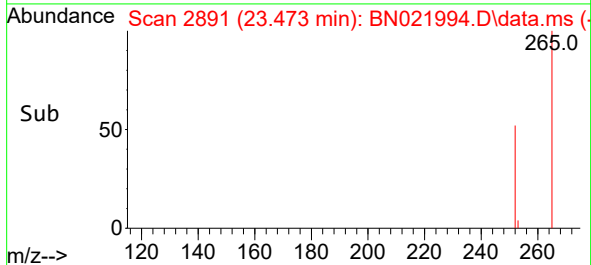
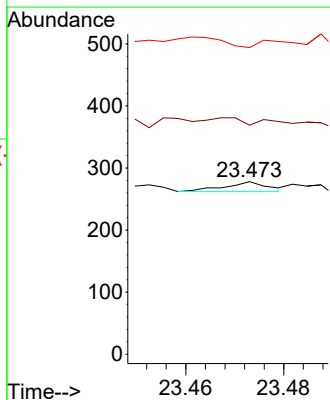
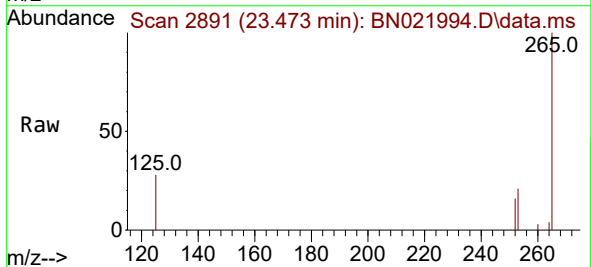
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

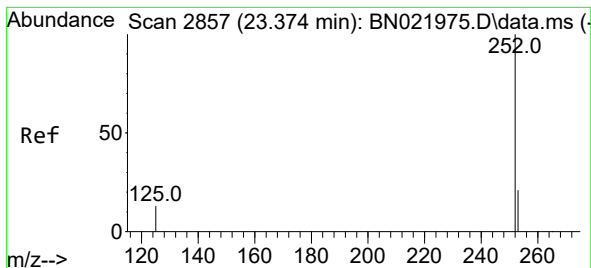
Tgt Ion:276 Resp: 1
Ion Ratio Lower Upper
276 100
138 300.0 28.0 42.0#
277 100.0 19.8 29.8#



#37
Benzo(b)fluoranthene
Concen: 1.055 ng
RT: 23.473 min Scan# 2891
Delta R.T. 0.149 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion:252 Resp: 10
Ion Ratio Lower Upper
252 100
253 132.7 20.6 31.0#
125 177.7 15.6 23.4#





#38

Benzo(k)fluoranthene

Concen: 0.424 ng

RT: 23.514 min Scan# 2905

Delta R.T. 0.140 min

Lab File: BN021994.D

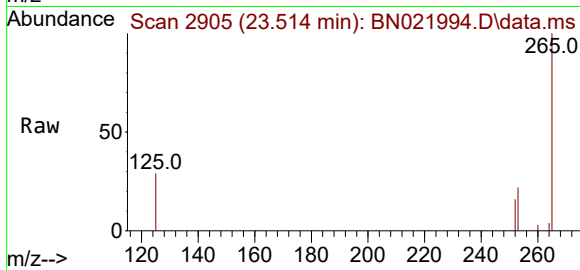
Acq: 04 Oct 2022 02:35

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-02-217-237-093022



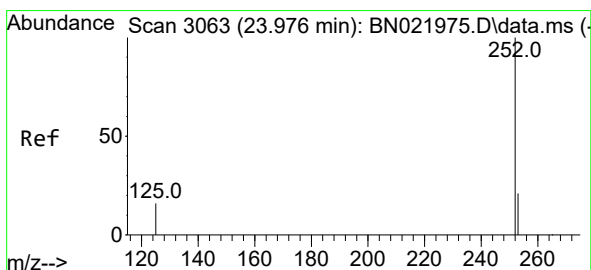
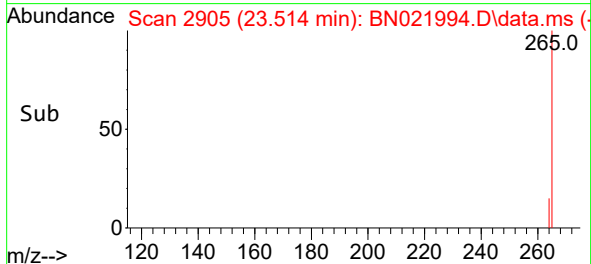
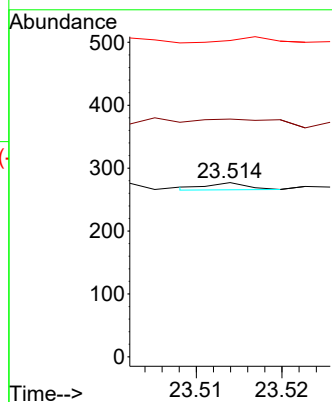
Tgt Ion:252 Resp: 4

Ion Ratio Lower Upper

252 100

253 136.5 20.4 30.6#

125 181.6 15.8 23.6#



#39

Benzo(a)pyrene

Concen: 0.830 ng

RT: 24.128 min Scan# 3115

Delta R.T. 0.152 min

Lab File: BN021994.D

Acq: 04 Oct 2022 02:35

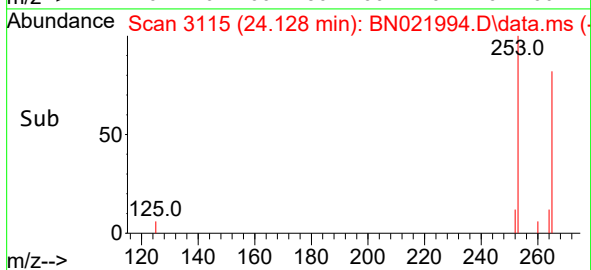
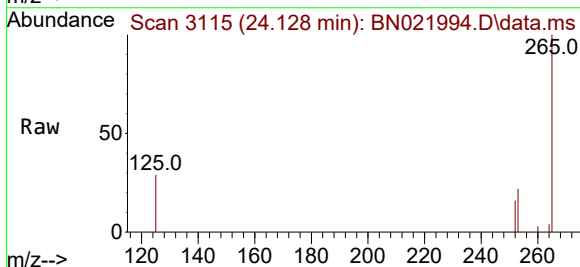
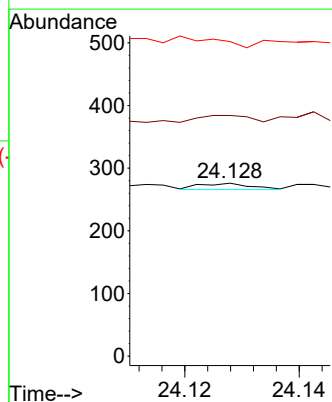
Tgt Ion:252 Resp: 6

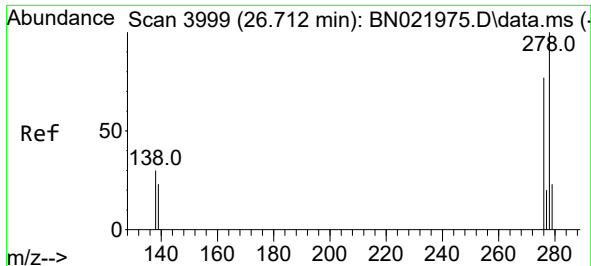
Ion Ratio Lower Upper

252 100

253 139.1 23.2 34.8#

125 181.9 21.1 31.7#

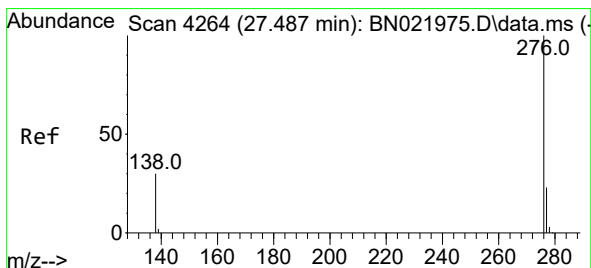
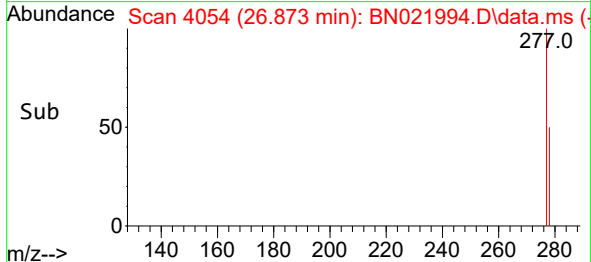
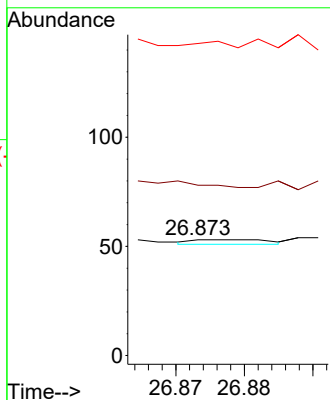
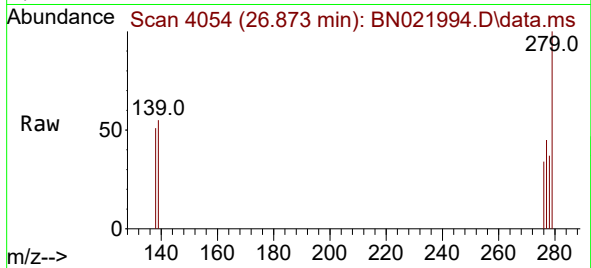




#40
Dibenzo(a,h)anthracene
Concen: 0.248 ng
RT: 26.873 min Scan# 40
Delta R.T. 0.161 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-02-217-237-093022

Tgt Ion:278 Resp: 2
Ion Ratio Lower Upper
278 100
139 147.2 19.9 29.9#
279 269.8 21.9 32.9#



#41
Benzo(g,h,i)perylene
Concen: 0.115 ng
RT: 27.651 min Scan# 4320
Delta R.T. 0.164 min
Lab File: BN021994.D
Acq: 04 Oct 2022 02:35

Tgt Ion:276 Resp: 1
Ion Ratio Lower Upper
276 100
277 128.0 20.0 30.0#
138 148.0 25.2 37.8#

