

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071522\
 Data File : BN020751.D
 Acq On : 15 Jul 2022 17:47
 Operator : CG/JU
 Sample : N3735-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-03-370-390-071422

Quant Time: Jul 16 03:23:42 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 16 03:21:59 2022
 Response via : Initial Calibration

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

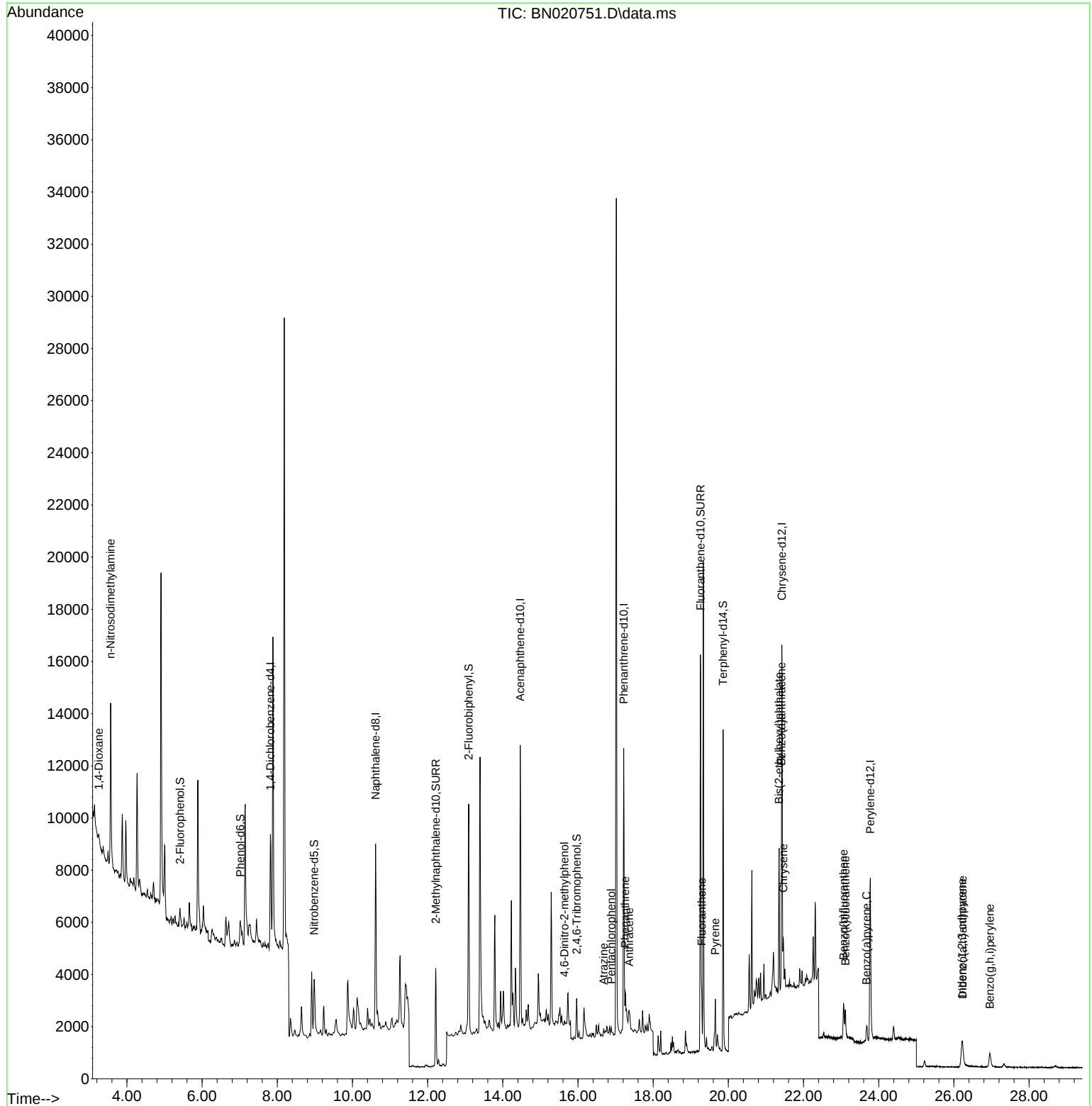
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	2437	0.400	ng	0.00
7) Naphthalene-d8	10.616	136	9923	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	6368	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	14303	0.400	ng	# 0.00
29) Chrysene-d12	21.422	240	12545	0.400	ng	0.00
35) Perylene-d12	23.776	264	9810	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.413	112	729	0.108	ng	0.01
5) Phenol-d6	7.017	99	654	0.081	ng	0.00
8) Nitrobenzene-d5	8.982	82	1947	0.242	ng	0.01
11) 2-Methylnaphthalene-d10	12.216	152	5592	0.329	ng	0.00
14) 2,4,6-Tribromophenol	15.964	330	857	0.357	ng	-0.01
15) 2-Fluorobiphenyl	13.095	172	7959	0.303	ng	0.00
27) Fluoranthene-d10	19.257	212	17059	0.401	ng	0.00
31) Terphenyl-d14	19.860	244	13396	0.447	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.254	88	71	0.022	ng	# 1
3) n-Nitrosodimethylamine	3.564	42	755	0.259	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.639	198	40	0.240	ng	# 1
23) Atrazine	16.682	200	164	0.025	ng	# 60
24) Pentachlorophenol	16.887	266	160	0.238	ng	85
25) Phenanthrene	17.256	178	1412	0.029	ng	# 96
26) Anthracene	17.359	178	1023	0.025	ng	97
28) Fluoranthene	19.291	202	1833	0.035	ng	# 96
30) Pyrene	19.653	202	1765	0.033	ng	# 96
32) Benzo(a)anthracene	21.413	228	1498	0.033	ng	# 85
33) Chrysene	21.458	228	1603	0.032	ng	# 84
34) Bis(2-ethylhexyl)phtha...	21.351	149	5344	0.212	ng	96
36) Indeno(1,2,3-cd)pyrene	26.217	276	1401	0.032	ng	# 89
37) Benzo(b)fluoranthene	23.065	252	1585	0.042	ng	# 31
38) Benzo(k)fluoranthene	23.112	252	1473	0.037	ng	# 38
39) Benzo(a)pyrene	23.673	252	850	0.026	ng	# 1
40) Dibenzo(a,h)anthracene	26.232	278	1147	0.033	ng	# 53
41) Benzo(g,h,i)perylene	26.957	276	1258	0.033	ng	# 72

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

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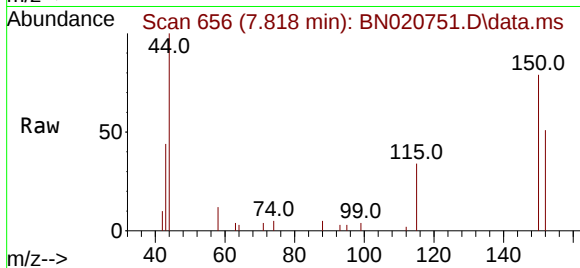
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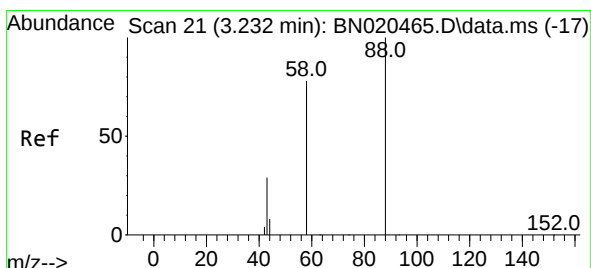
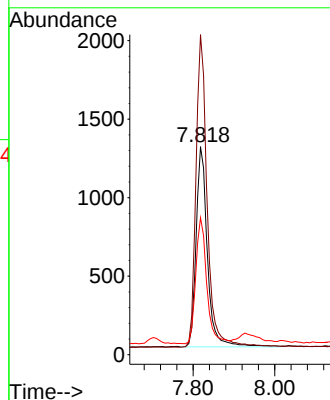
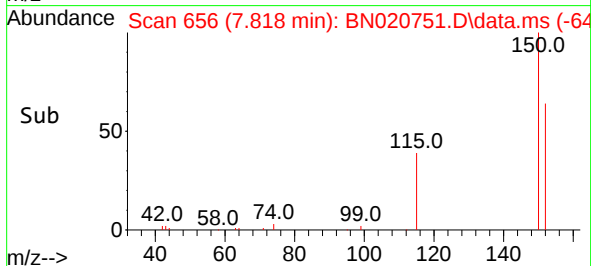


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.818 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: BN020751.D
 Acq: 15 Jul 2022 17:47

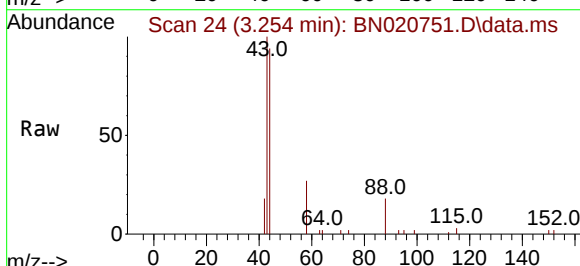
Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-03-370-390-071422



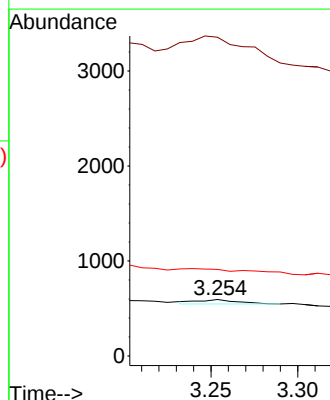
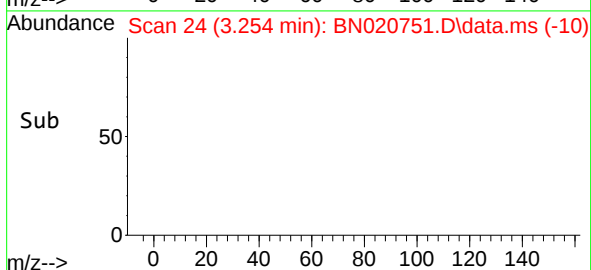
Tgt Ion:152 Resp: 2437
 Ion Ratio Lower Upper
 152 100
 150 153.8 127.9 191.9
 115 65.8 51.4 77.2



#2
 1,4-Dioxane
 Concen: 0.022 ng
 RT: 3.254 min Scan# 24
 Delta R.T. -0.000 min
 Lab File: BN020751.D
 Acq: 15 Jul 2022 17:47



Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 43 980.3 30.2 45.2#
 58 0.0 73.0 109.6#

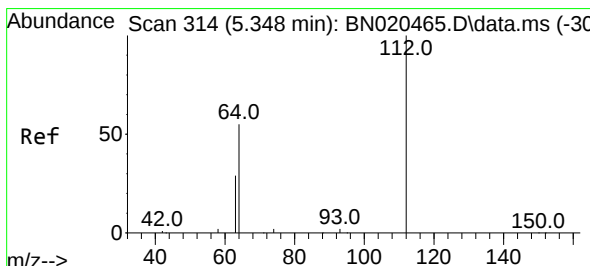
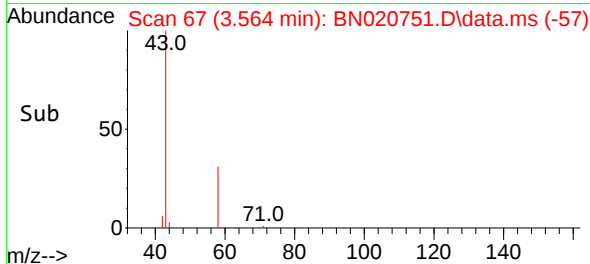
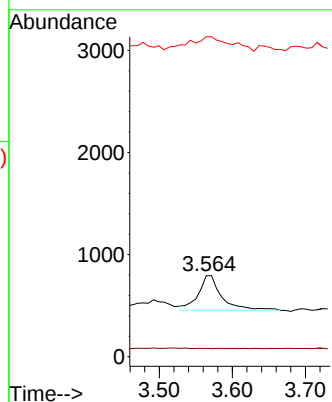
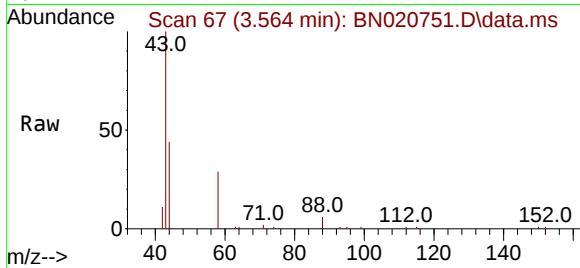




#3
n-Nitrosodimethylamine
Concen: 0.259 ng
RT: 3.564 min Scan# 61
Delta R.T. -0.029 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

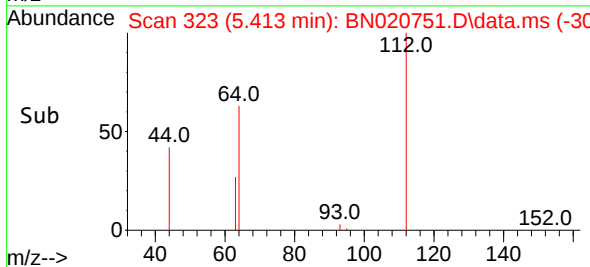
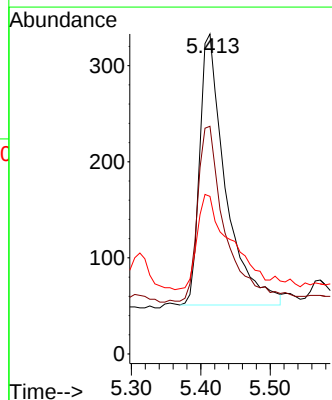
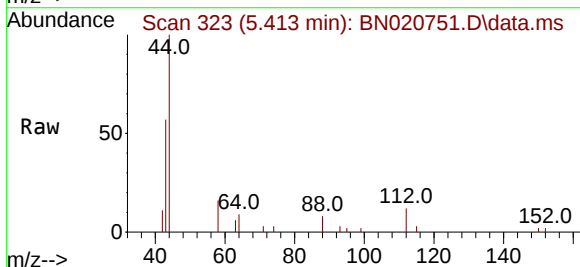
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

Tgt Ion: 42 Resp: 755
Ion Ratio Lower Upper
42 100
74 0.1 84.0 126.0#
44 72.3 9.8 14.8#



#4
2-Fluorophenol
Concen: 0.108 ng
RT: 5.413 min Scan# 323
Delta R.T. 0.014 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion: 112 Resp: 729
Ion Ratio Lower Upper
112 100
64 69.1 49.1 73.7
63 46.0 26.3 39.5#

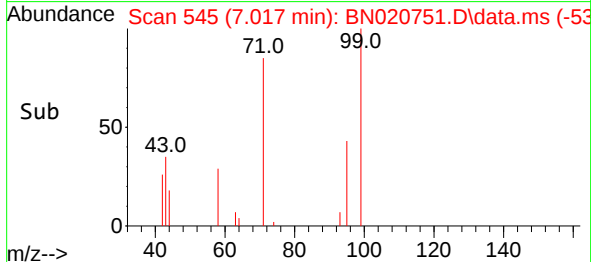
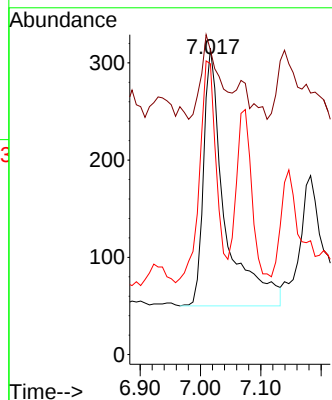
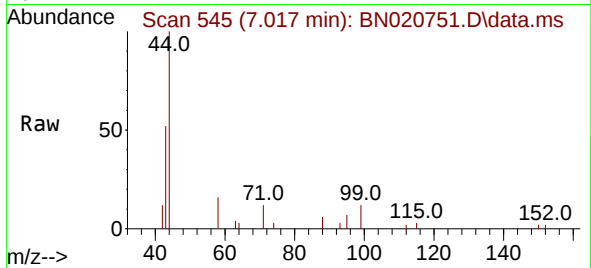




#5
Phenol-d6
Concen: 0.081 ng
RT: 7.017 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

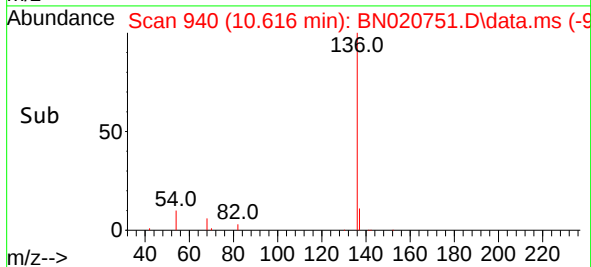
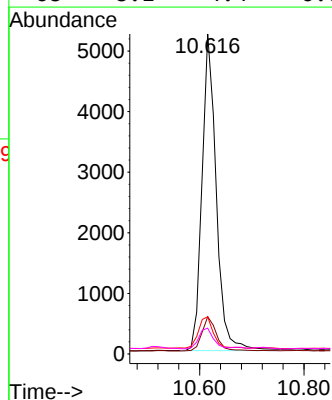
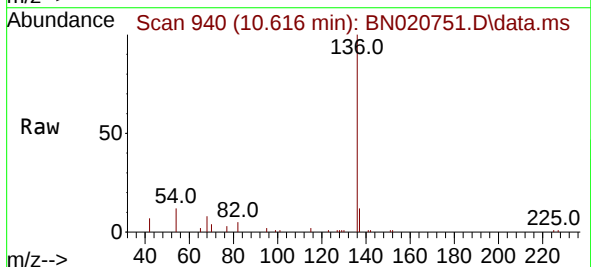
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

Tgt Ion: 99 Resp: 654
Ion Ratio Lower Upper
99 100
42 27.5 19.3 28.9
71 67.6 27.5 41.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.616 min Scan# 940
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion: 136 Resp: 9923
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 11.6 6.2 9.2#
68 8.1 4.4 6.6#

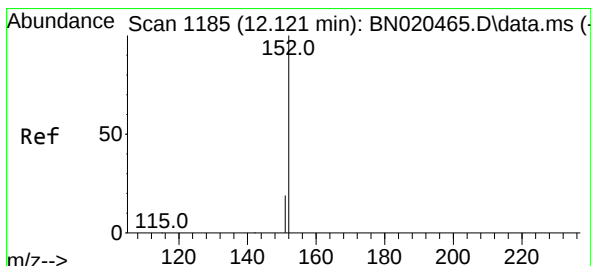
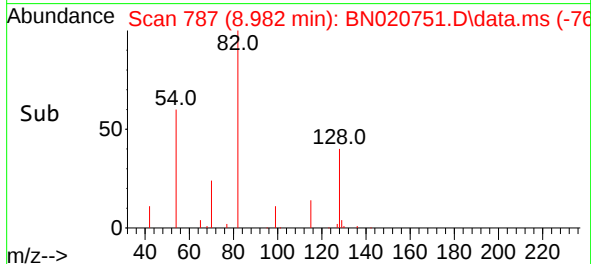
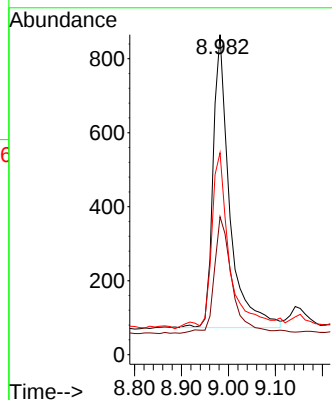
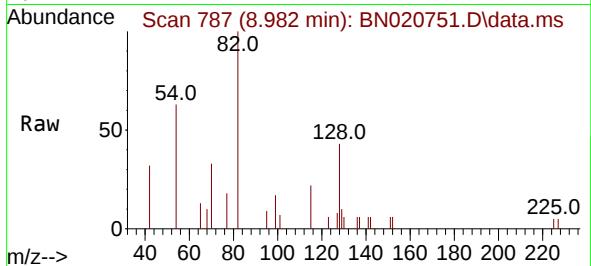




#8
Nitrobenzene-d5
Concen: 0.242 ng
RT: 8.982 min Scan# 71
Delta R.T. 0.011 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

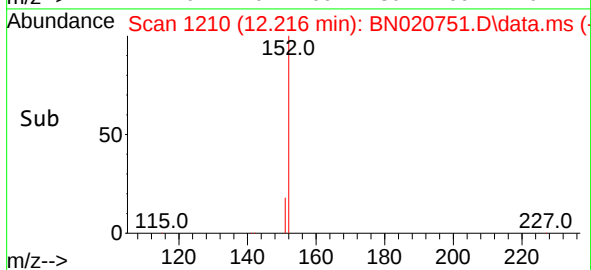
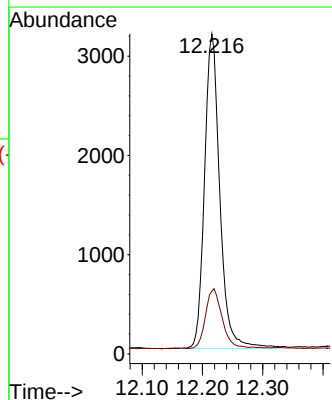
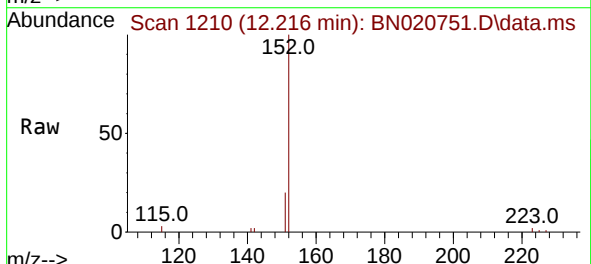
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

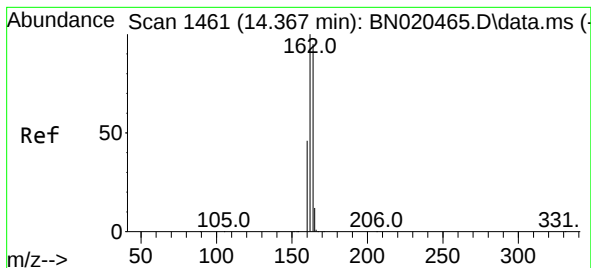
Tgt Ion:	82	Resp:	1947
Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.0	52.6
54	63.1	46.2	69.4



#11
2-Methylnaphthalene-d10
Concen: 0.329 ng
RT: 12.216 min Scan# 1210
Delta R.T. 0.004 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:	152	Resp:	5592
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.463 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BN020751.D

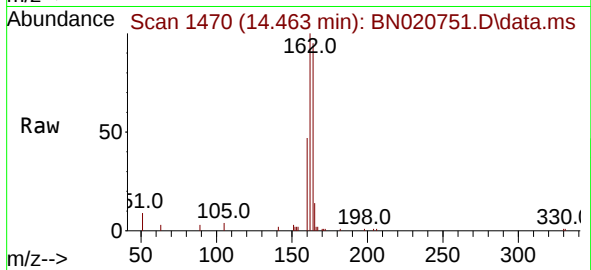
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Instrument :

BNA_N

ClientSampleId :

GWOW-BR-03-370-390-071422



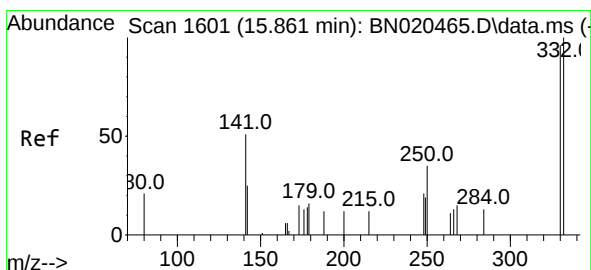
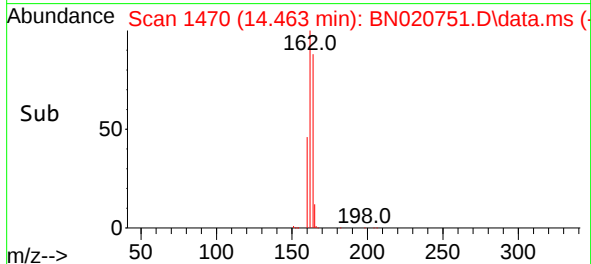
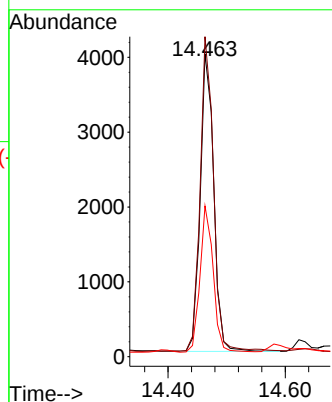
Tgt Ion:164 Resp: 6368

Ion Ratio Lower Upper

164 100

162 105.6 82.1 123.1

160 49.8 38.6 58.0



#14

2,4,6-Tribromophenol

Concen: 0.357 ng

RT: 15.964 min Scan# 1611

Delta R.T. -0.010 min

Lab File: BN020751.D

Acq: 15 Jul 2022 17:47

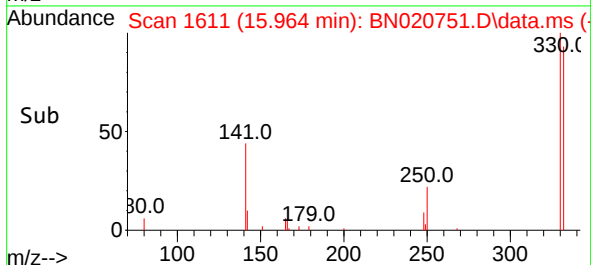
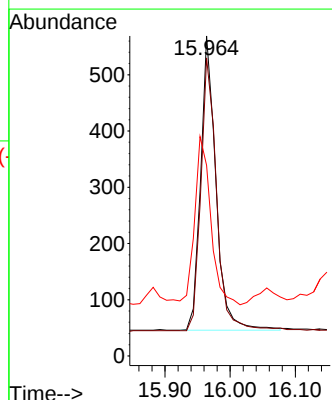
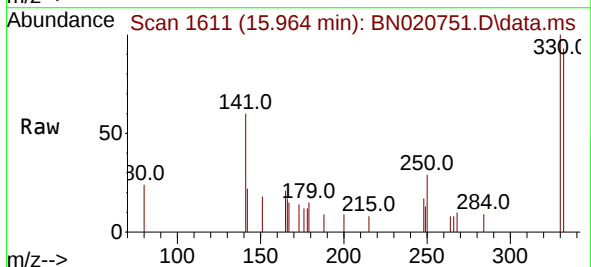
Tgt Ion:330 Resp: 857

Ion Ratio Lower Upper

330 100

332 95.6 77.6 116.4

141 59.7 41.0 61.4

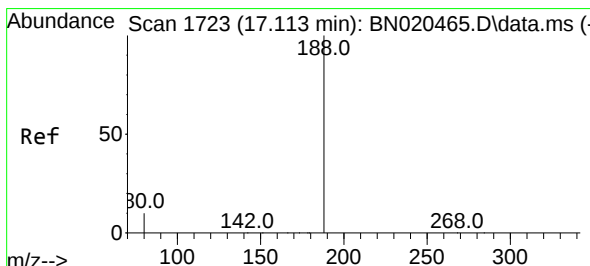
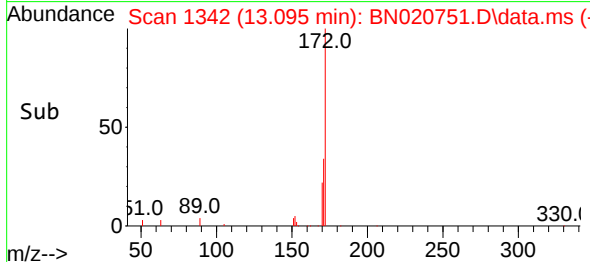
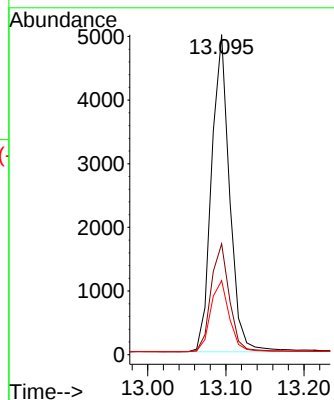
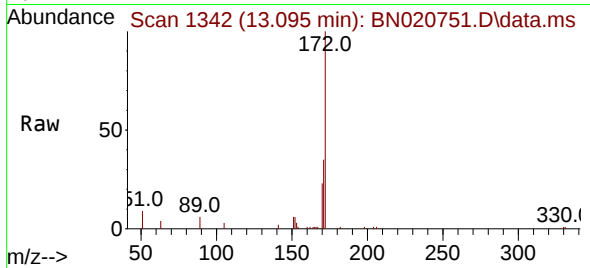




#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.095 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

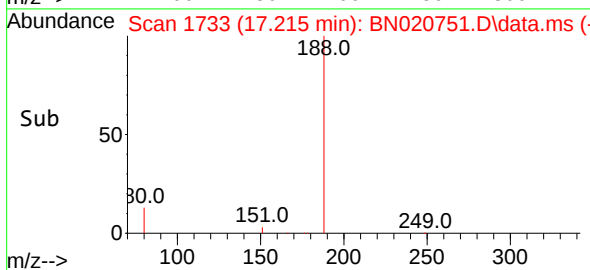
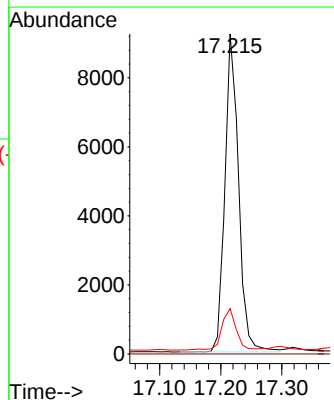
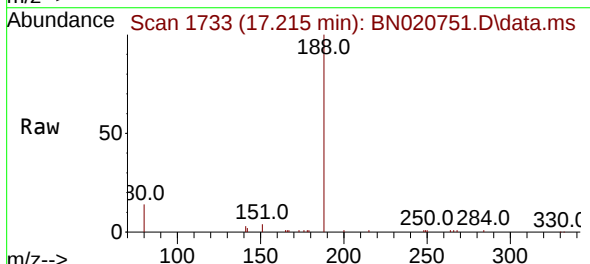
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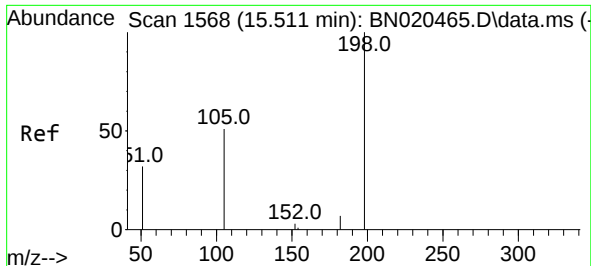
Tgt Ion:172 Resp: 7959
Ion Ratio Lower Upper
172 100
171 34.6 27.2 40.8
170 23.2 18.2 27.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:188 Resp: 14303
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.2 7.4 11.2#





#20
4,6-Dinitro-2-methylphenol
Concen: 0.240 ng
RT: 15.639 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

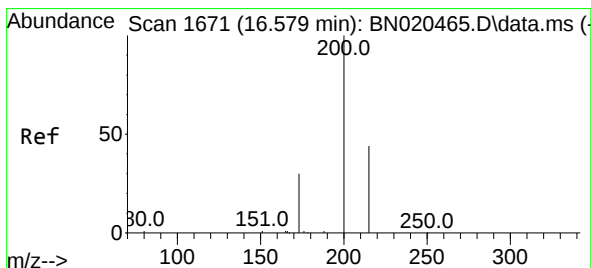
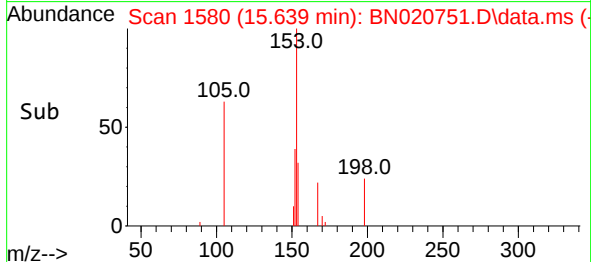
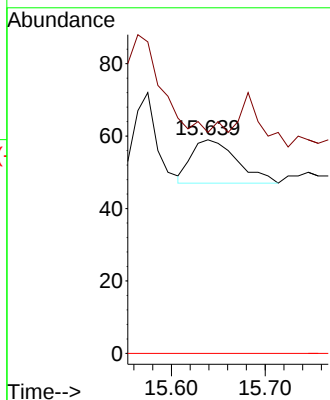
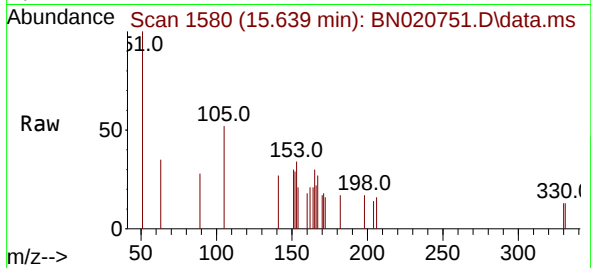
Instrument :

BNA_N

ClientSampleId :

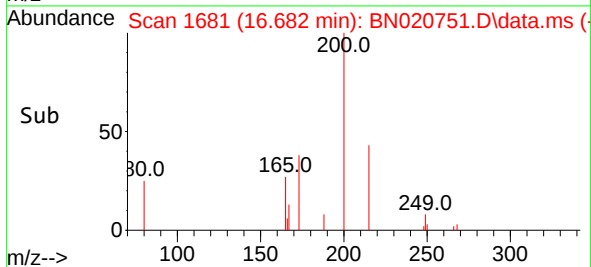
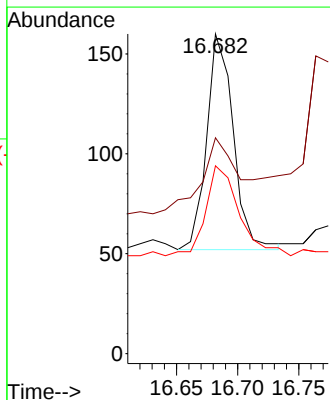
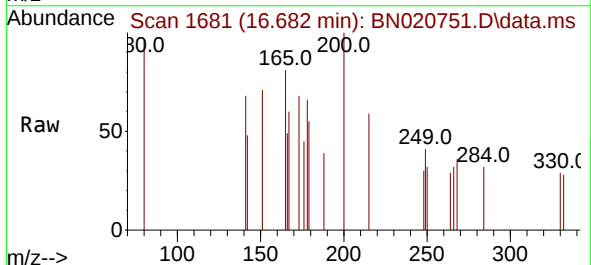
GWOW-BR-03-370-390-071422

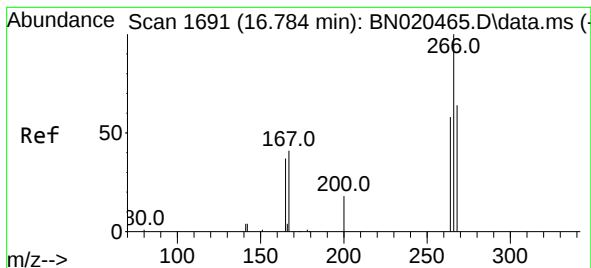
Tgt Ion:198 Resp: 40
Ion Ratio Lower Upper
198 100
182 103.4 12.1 18.1#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.025 ng
RT: 16.682 min Scan# 1681
Delta R.T. -0.010 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:200 Resp: 164
Ion Ratio Lower Upper
200 100
173 67.5 23.6 35.4#
215 58.7 36.6 54.8#





#24

Pentachlorophenol

Concen: 0.238 ng

RT: 16.887 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN020751.D

Acq: 15 Jul 2022 17:47

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-03-370-390-071422

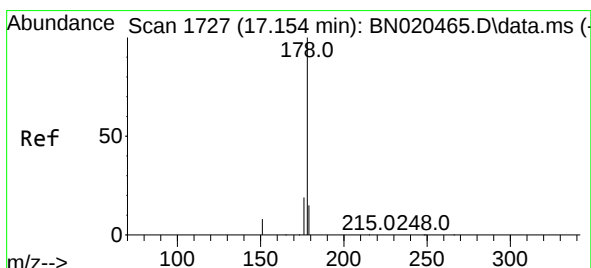
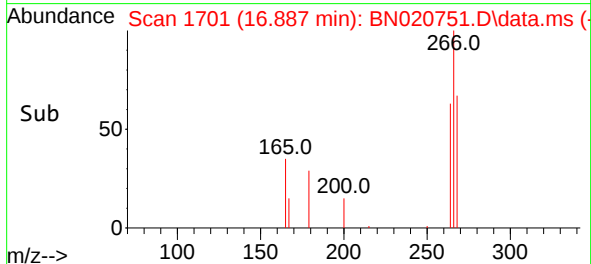
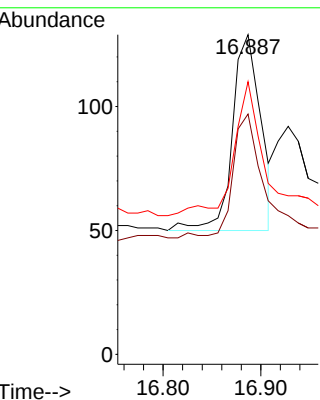
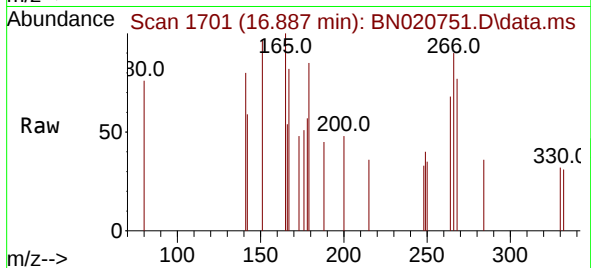
Tgt Ion:266 Resp: 160

Ion Ratio Lower Upper

266 100

264 76.3 51.3 76.9

268 77.5 52.6 79.0



#25

Phenanthrene

Concen: 0.029 ng

RT: 17.256 min Scan# 1737

Delta R.T. -0.000 min

Lab File: BN020751.D

Acq: 15 Jul 2022 17:47

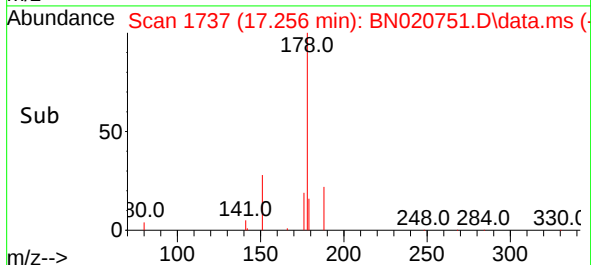
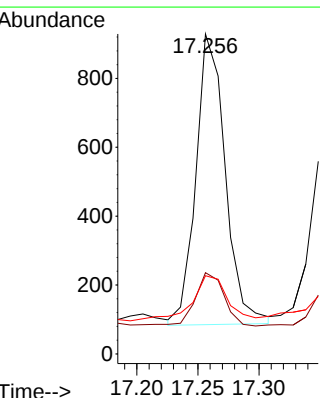
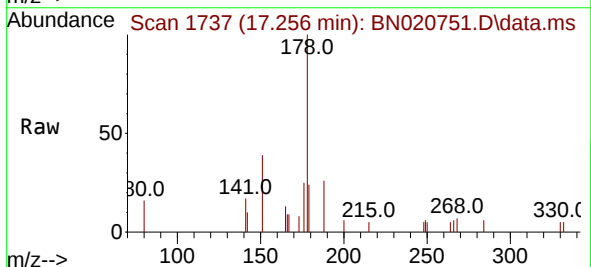
Tgt Ion:178 Resp: 1412

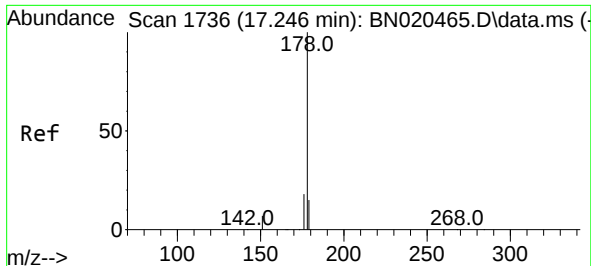
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 19.2 12.2 18.4#

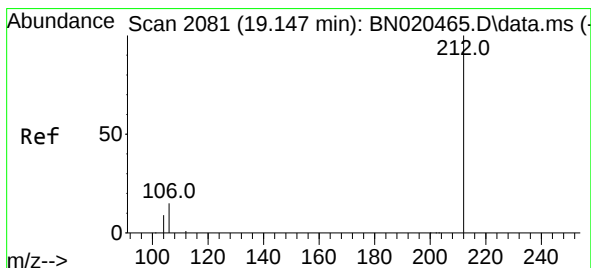
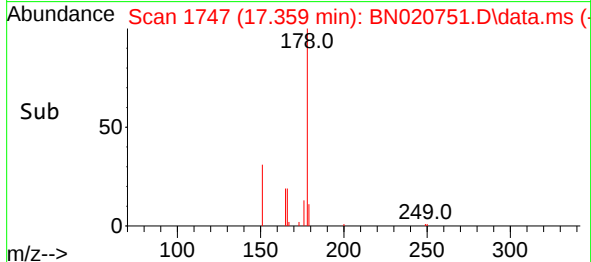
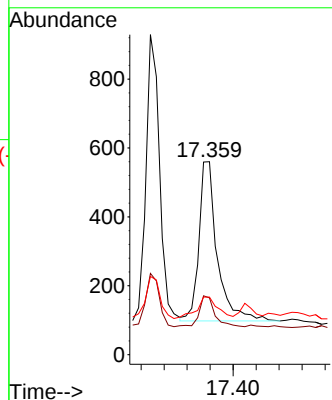
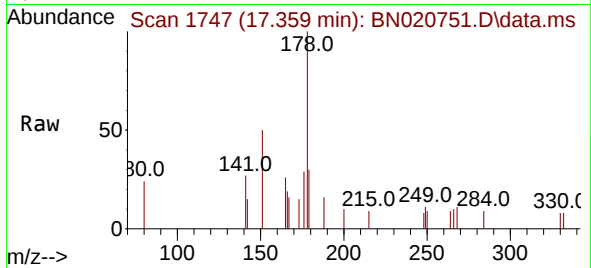




#26
 Anthracene
 Concen: 0.025 ng
 RT: 17.359 min Scan# 11
 Delta R.T. 0.010 min
 Lab File: BN020751.D
 Acq: 15 Jul 2022 17:47

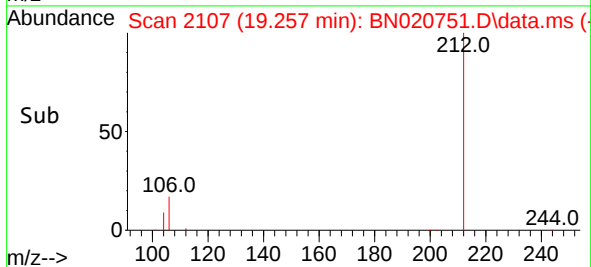
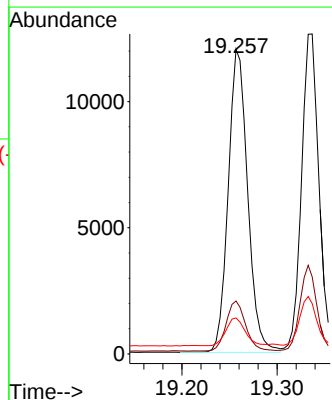
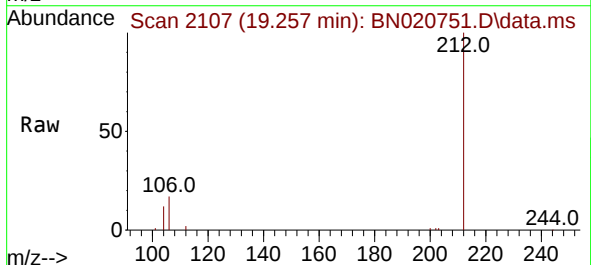
Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-03-370-390-071422

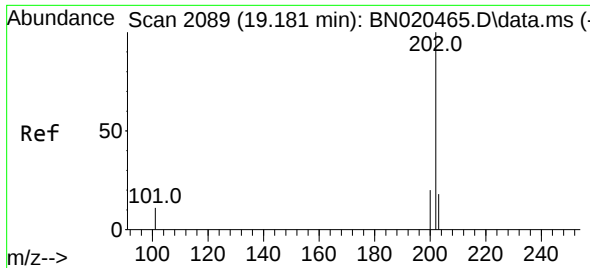
Tgt Ion:	178	Resp:	1023
Ion	Ratio	Lower	Upper
178	100		
176	16.3	14.9	22.3
179	15.5	12.2	18.4



#27
 Fluoranthene-d10
 Concen: 0.401 ng
 RT: 19.257 min Scan# 2107
 Delta R.T. -0.004 min
 Lab File: BN020751.D
 Acq: 15 Jul 2022 17:47

Tgt Ion:	212	Resp:	17059
Ion	Ratio	Lower	Upper
212	100		
106	16.5	12.6	19.0
104	9.1	7.2	10.8

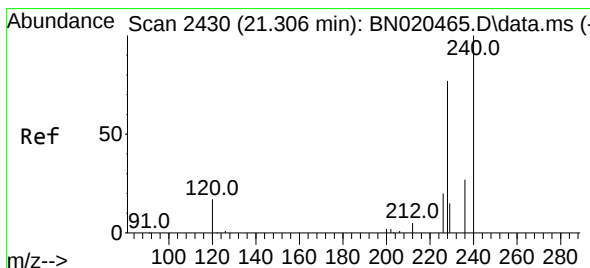
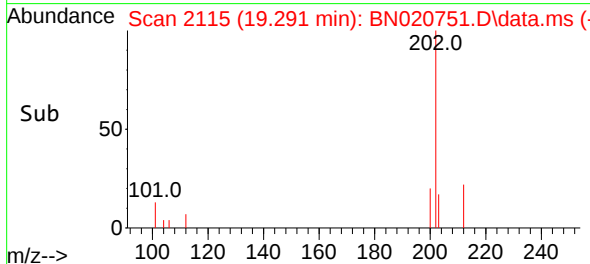
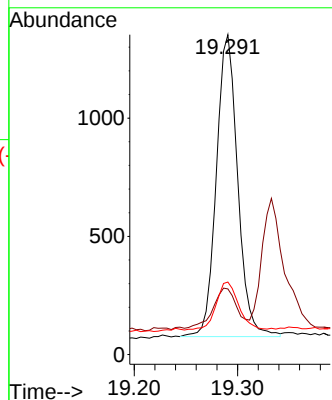
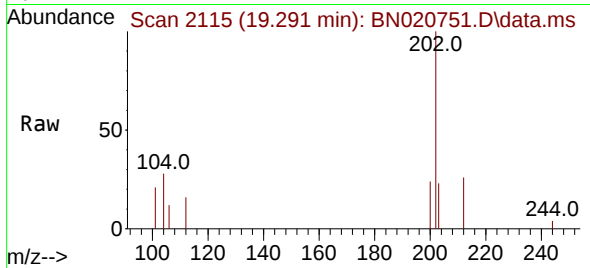




#28
Fluoranthene
Concen: 0.035 ng
RT: 19.291 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

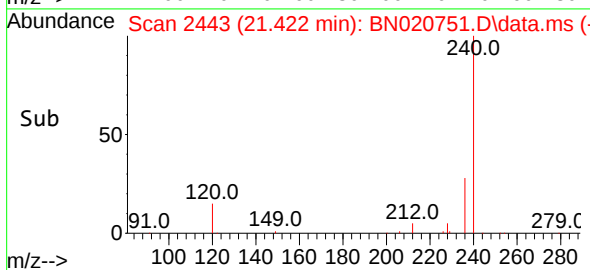
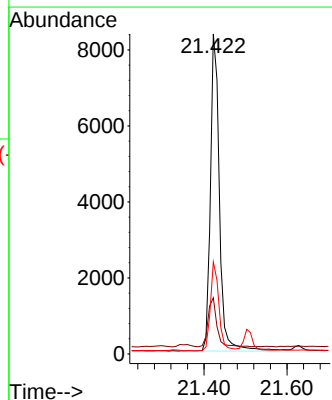
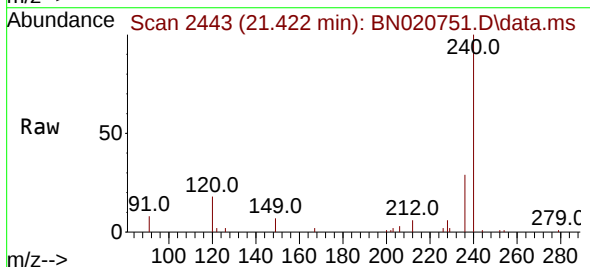
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

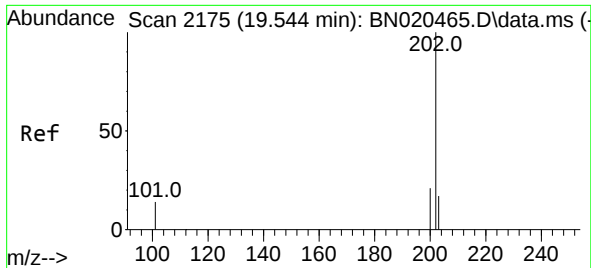
Tgt Ion:202 Resp: 1833
Ion Ratio Lower Upper
202 100
101 14.9 9.6 14.4#
203 17.3 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.009 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:240 Resp: 12545
Ion Ratio Lower Upper
240 100
120 17.5 14.6 21.8
236 28.8 22.6 33.8

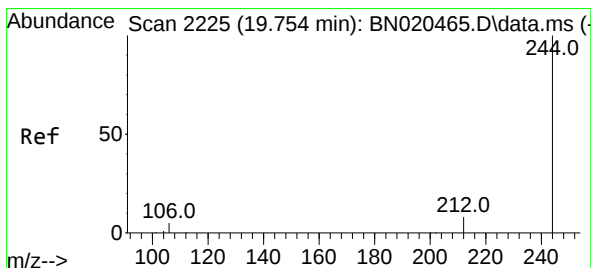
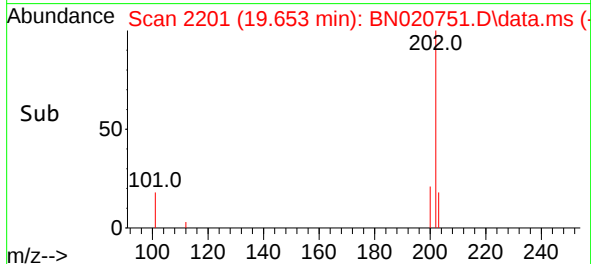
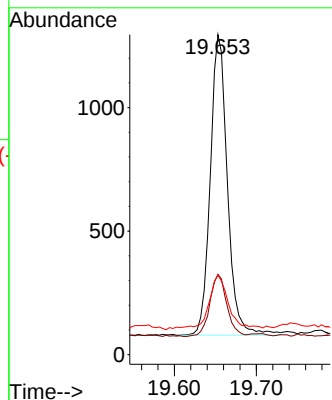
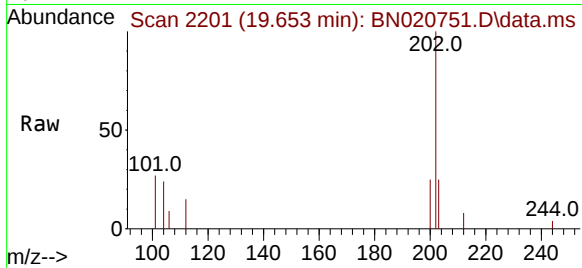




#30
Pyrene
Concen: 0.033 ng
RT: 19.653 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

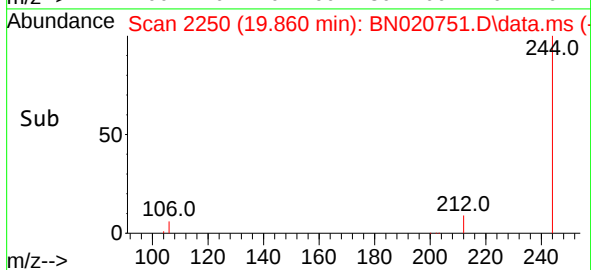
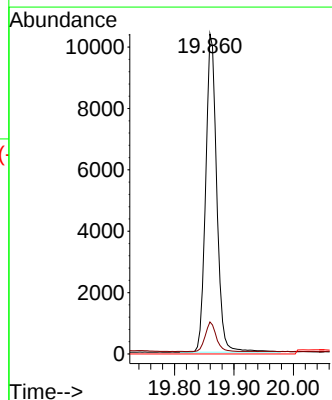
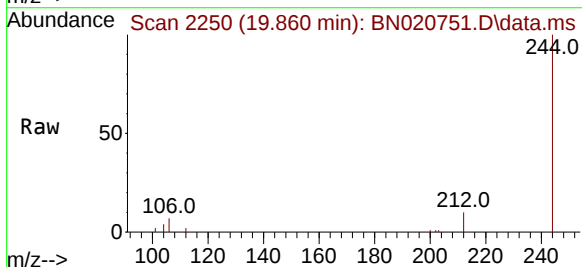
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

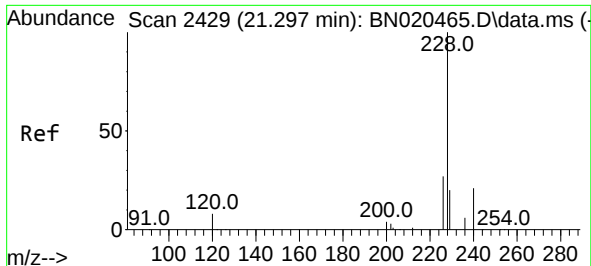
Tgt Ion:202 Resp: 1765
Ion Ratio Lower Upper
202 100
200 20.4 16.6 25.0
203 21.5 14.2 21.2#



#31
Terphenyl-d14
Concen: 0.447 ng
RT: 19.860 min Scan# 2250
Delta R.T. -0.004 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:244 Resp: 13396
Ion Ratio Lower Upper
244 100
212 10.0 7.1 10.7
122 0.0 0.0 0.0

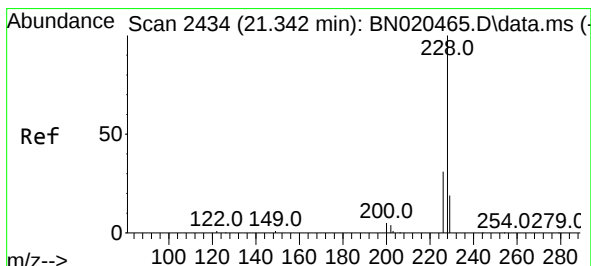
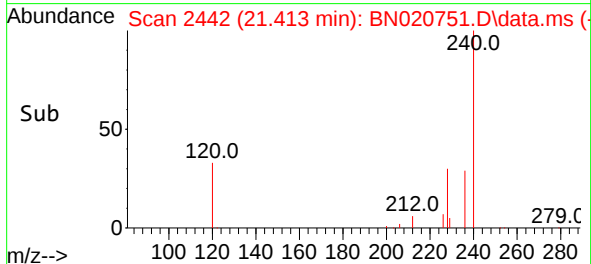
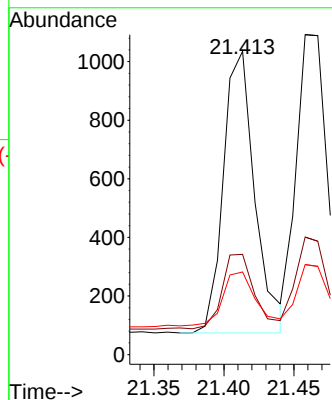
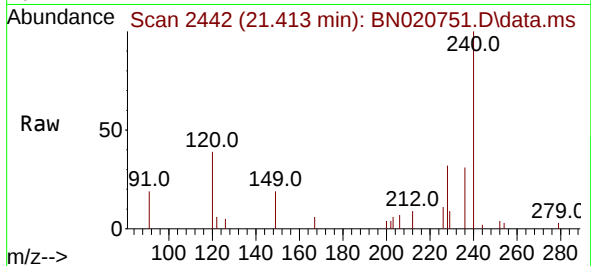




#32
Benzo(a)anthracene
Concen: 0.033 ng
RT: 21.413 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

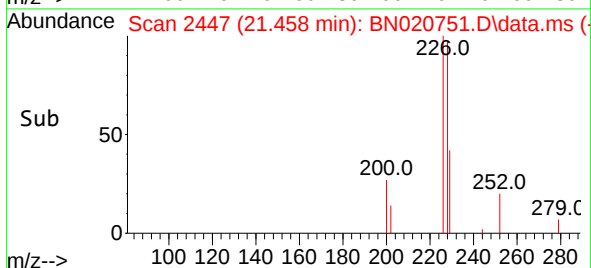
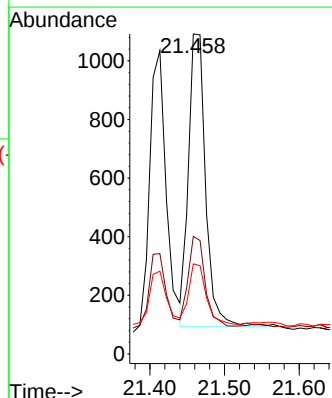
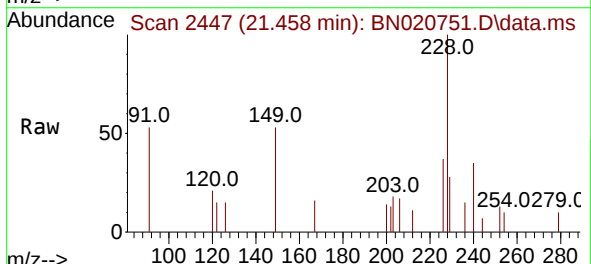
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

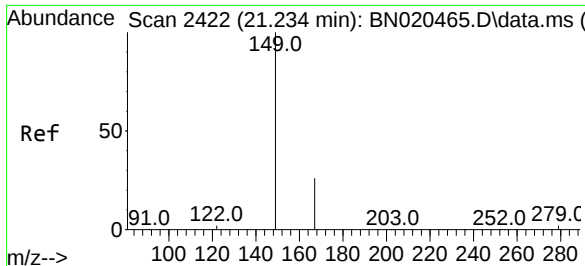
Tgt Ion:228 Resp: 1498
Ion Ratio Lower Upper
228 100
226 33.0 21.2 31.8#
229 27.2 15.6 23.4#



#33
Chrysene
Concen: 0.032 ng
RT: 21.458 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:228 Resp: 1603
Ion Ratio Lower Upper
228 100
226 36.7 23.4 35.0#
229 28.1 15.7 23.5#

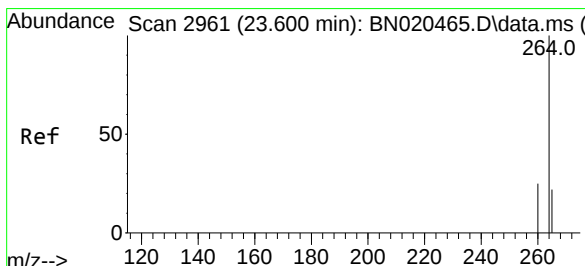
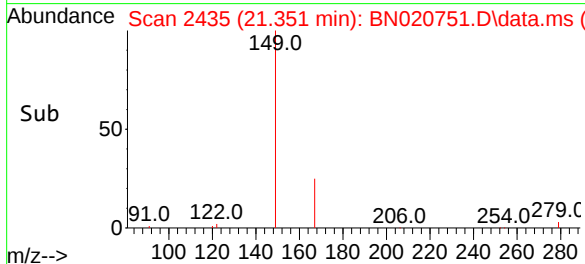
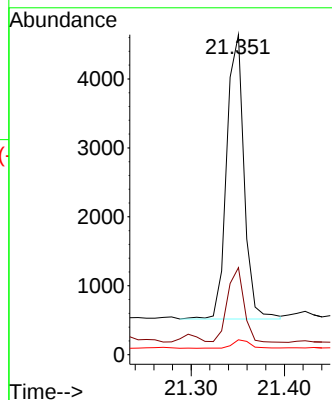
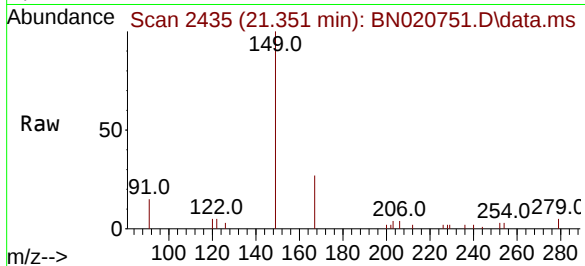




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.212 ng
 RT: 21.351 min Scan# 2422
 Delta R.T. -0.000 min
 Lab File: BN020751.D
 Acq: 15 Jul 2022 17:47

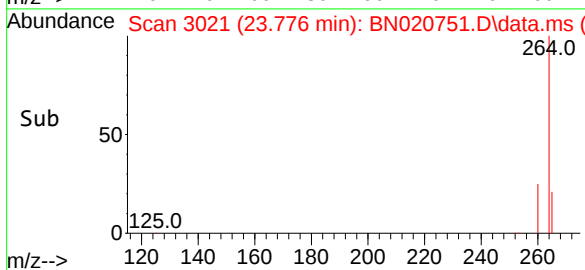
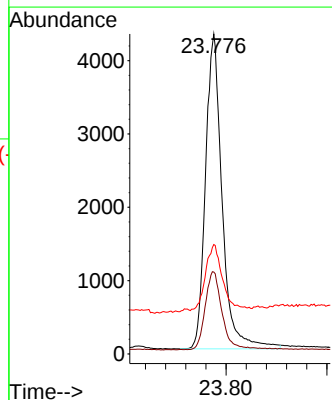
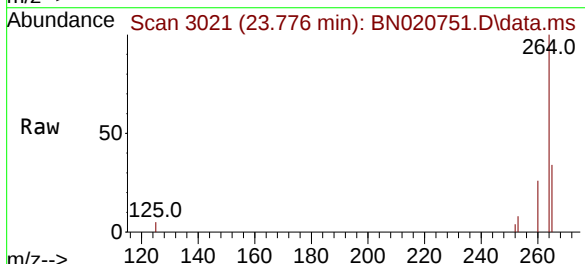
Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-03-370-390-071422

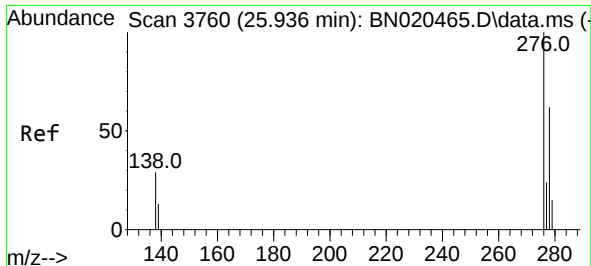
Tgt Ion:149 Resp: 5344
 Ion Ratio Lower Upper
 149 100
 167 24.9 21.7 32.5
 279 3.0 2.2 3.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.776 min Scan# 3021
 Delta R.T. -0.003 min
 Lab File: BN020751.D
 Acq: 15 Jul 2022 17:47

Tgt Ion:264 Resp: 9810
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.9 31.3
 265 34.2 28.0 42.0

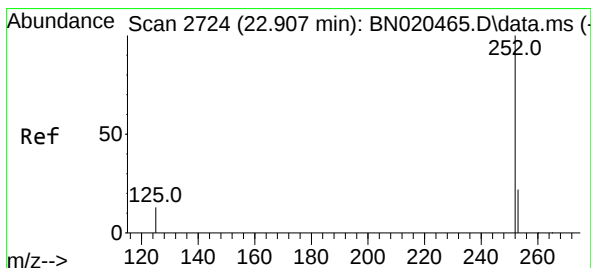
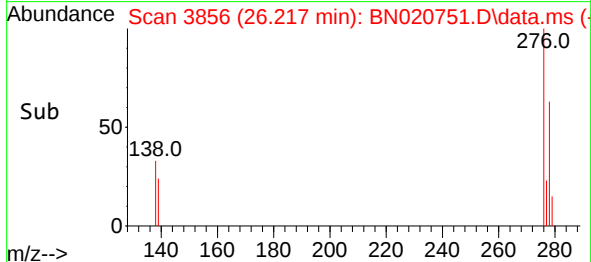
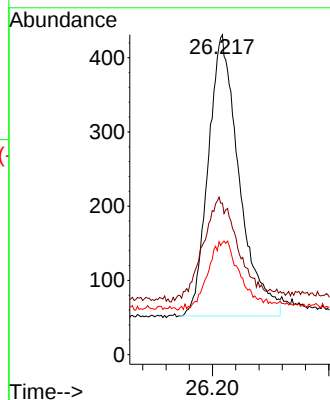
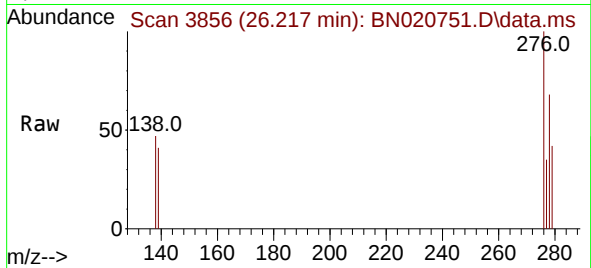




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 26.217 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

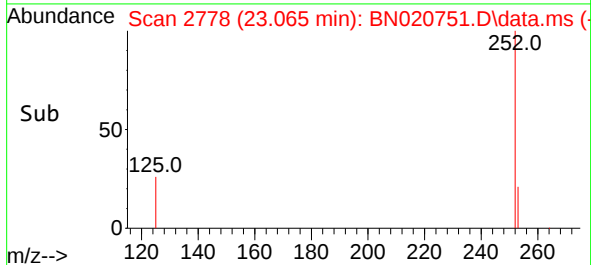
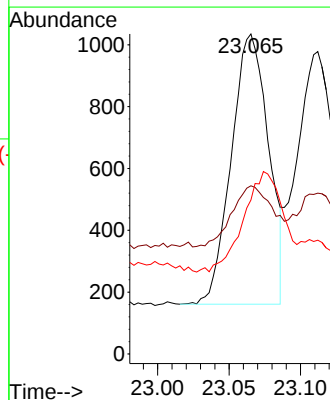
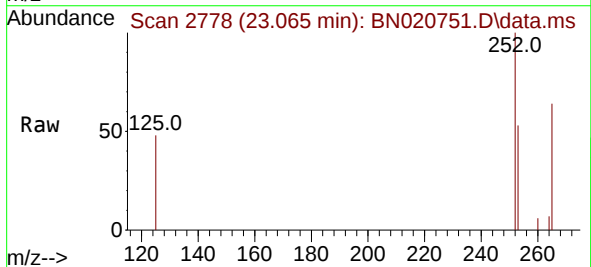
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

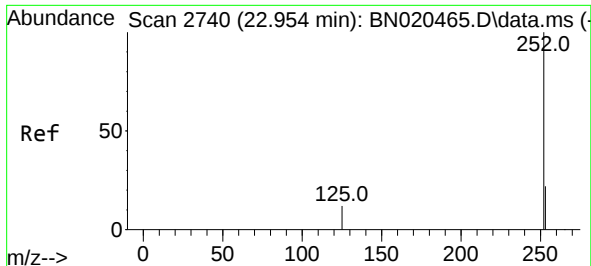
Tgt Ion:276 Resp: 1401
Ion Ratio Lower Upper
276 100
138 42.6 25.9 38.9#
277 23.6 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.042 ng
RT: 23.065 min Scan# 2778
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

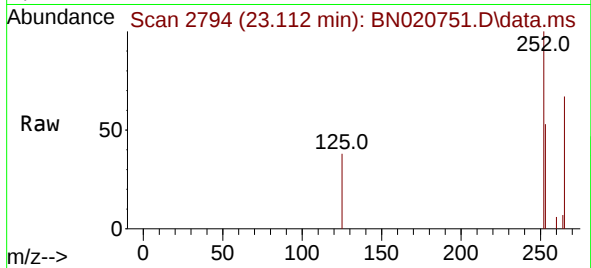
Tgt Ion:252 Resp: 1585
Ion Ratio Lower Upper
252 100
253 52.6 18.5 27.7#
125 48.1 11.4 17.0#



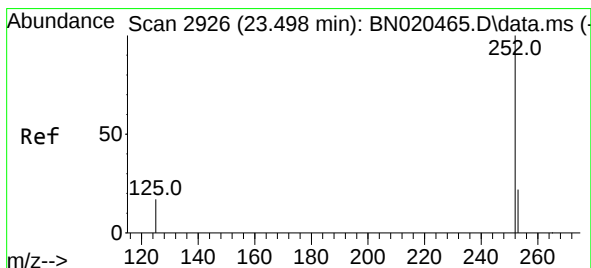
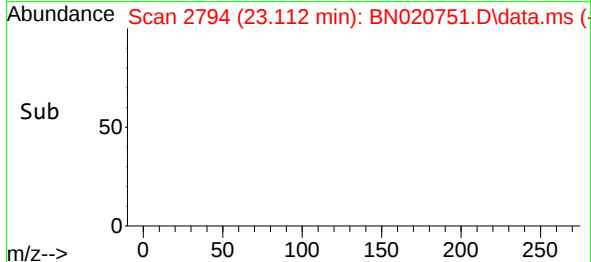
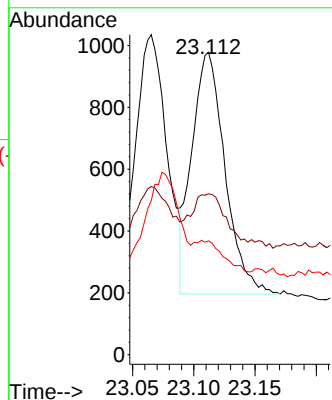


#38
Benzo(k)fluoranthene
Concen: 0.037 ng
RT: 23.112 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

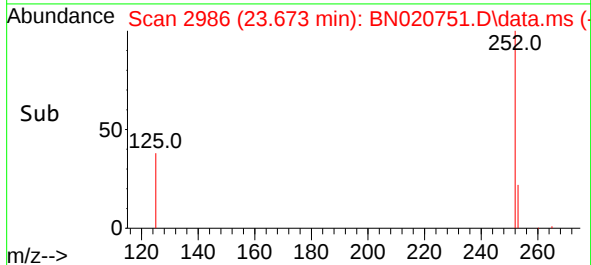
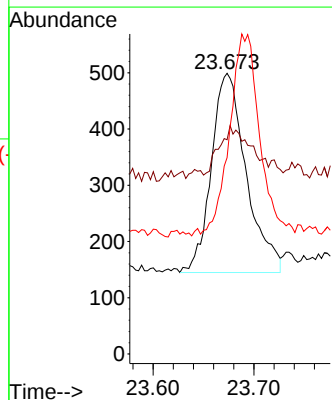
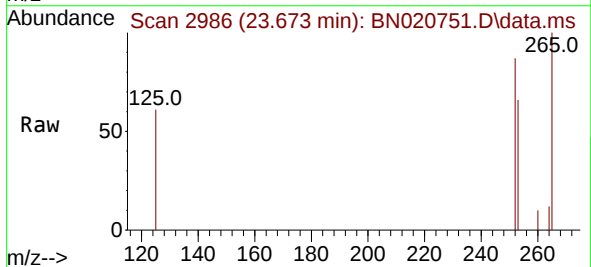


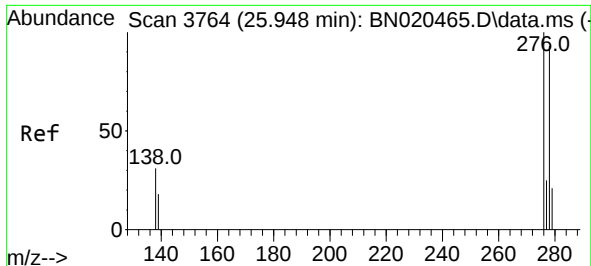
Tgt Ion:252 Resp: 1473
Ion Ratio Lower Upper
252 100
253 53.2 18.0 27.0#
125 37.6 11.0 16.4#



#39
Benzo(a)pyrene
Concen: 0.026 ng
RT: 23.673 min Scan# 2986
Delta R.T. -0.003 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:252 Resp: 850
Ion Ratio Lower Upper
252 100
253 76.4 19.0 28.4#
125 69.9 13.8 20.8#

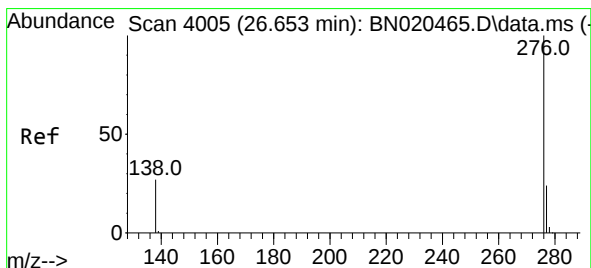
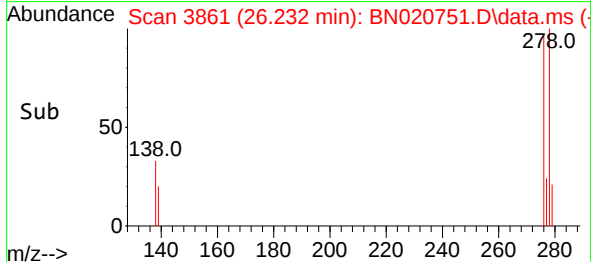
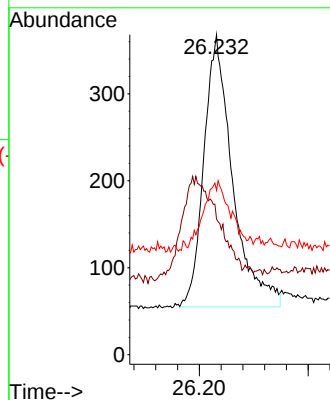
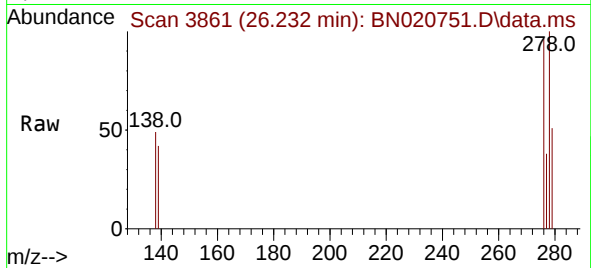




#40
Dibenzo(a,h)anthracene
Concen: 0.033 ng
RT: 26.232 min Scan# 3861
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Instrument :
BNA_N
ClientSampleId :
GWOW-BR-03-370-390-071422

Tgt Ion:278 Resp: 1147
Ion Ratio Lower Upper
278 100
139 42.4 18.6 28.0#
279 51.4 19.7 29.5#



#41
Benzo(g,h,i)perylene
Concen: 0.033 ng
RT: 26.957 min Scan# 4109
Delta R.T. -0.000 min
Lab File: BN020751.D
Acq: 15 Jul 2022 17:47

Tgt Ion:276 Resp: 1258
Ion Ratio Lower Upper
276 100
277 37.4 19.5 29.3#
138 43.7 22.6 34.0#

