

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025860.D
 Acq On : 15 Jun 2023 16:17
 Operator : MA/JU
 Sample : 03225-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-84-104-061323

Quant Time: Jun 16 01:46:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 01:41:46 2023
 Response via : Initial Calibration

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

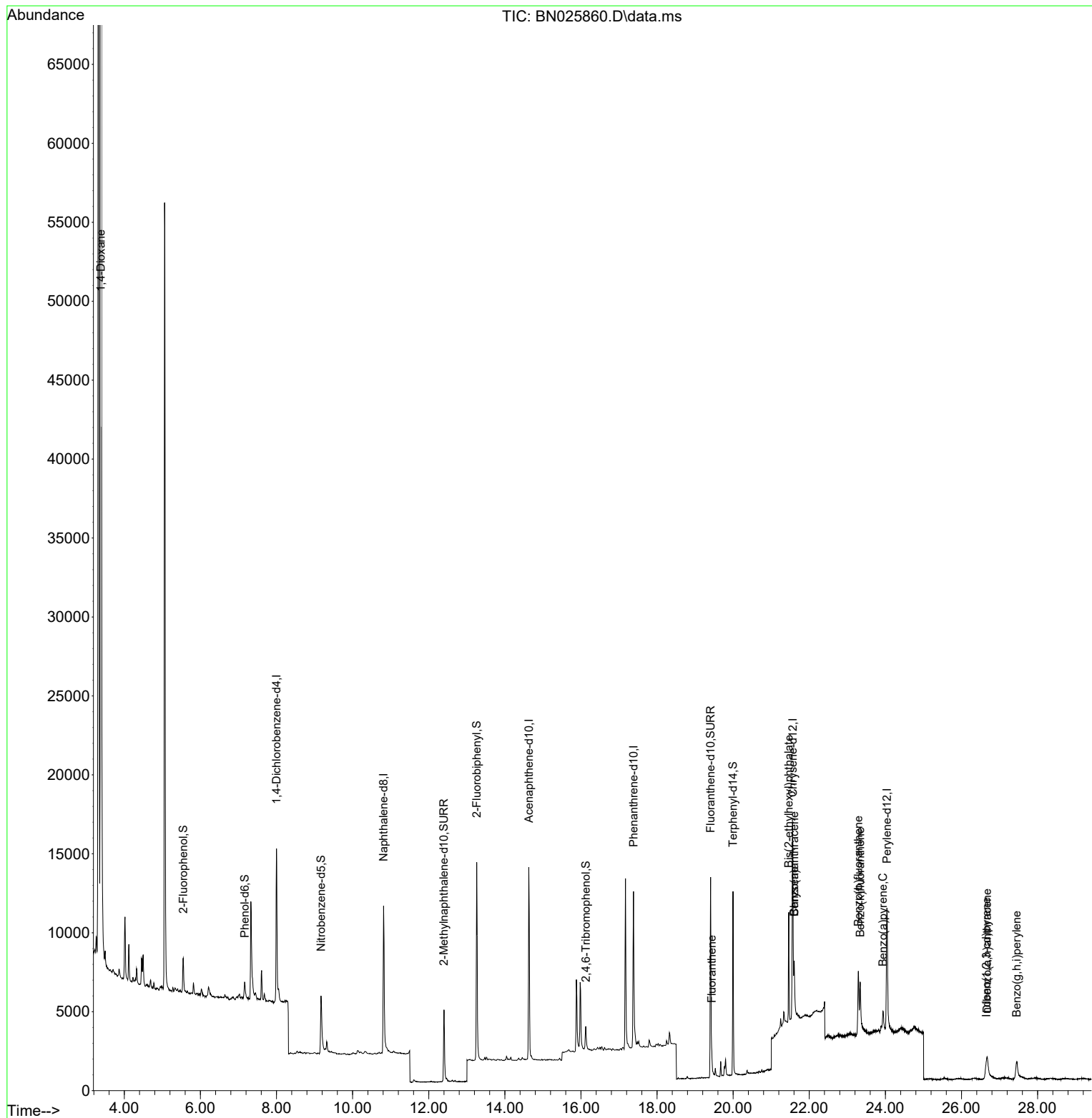
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	5592	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	14367	0.400	ng	0.00
13) Acenaphthene-d10	14.630	164	7465	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	15026	0.400	ng	# 0.00
29) Chrysene-d12	21.569	240	12424	0.400	ng	0.00
35) Perylene-d12	24.040	264	12112	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	2222	0.141	ng	0.01
5) Phenol-d6	7.167	99	1388	0.072	ng	0.01
8) Nitrobenzene-d5	9.170	82	4339	0.325	ng	0.01
11) 2-Methylnaphthalene-d10	12.400	152	7550	0.365	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	936	0.407	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	12020	0.381	ng	0.00
27) Fluoranthene-d10	19.407	212	14896	0.482	ng	0.00
31) Terphenyl-d14	19.997	244	11716	0.389	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.383	88	224252	34.180	ng	# 93
28) Fluoranthene	19.435	202	1202	0.026	ng	# 84
32) Benzo(a)anthracene	21.605	228	3508	0.073	ng	92
33) Chrysene	21.605	228	3435	0.068	ng	96
34) Bis(2-ethylhexyl)phtha...	21.462	149	6261	0.219	ng	99
36) Indeno(1,2,3-cd)pyrene	26.650	276	1120	0.021	ng	# 60
37) Benzo(b)fluoranthene	23.288	252	6002	0.126	ng	# 76
38) Benzo(k)fluoranthene	23.338	252	4666	0.096	ng	# 68
39) Benzo(a)pyrene	23.937	252	2558	0.057	ng	# 33
40) Dibenzo(a,h)anthracene	26.677	278	1787	0.042	ng	# 33
41) Benzo(g,h,i)perylene	27.451	276	2777	0.059	ng	# 85

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 01:41:46 2023
Response via : Initial Calibration

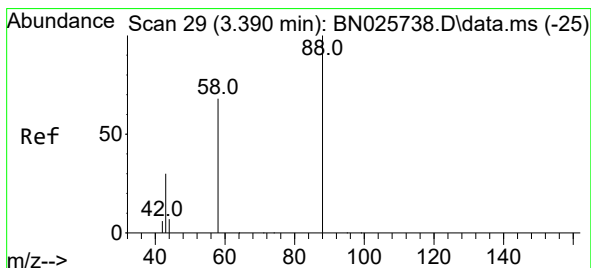
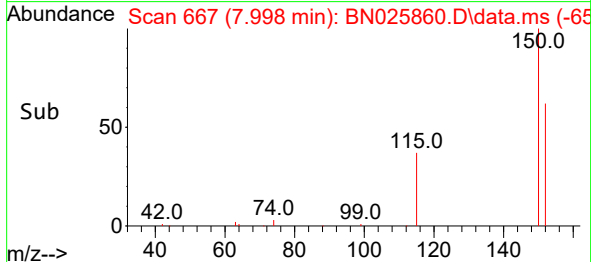
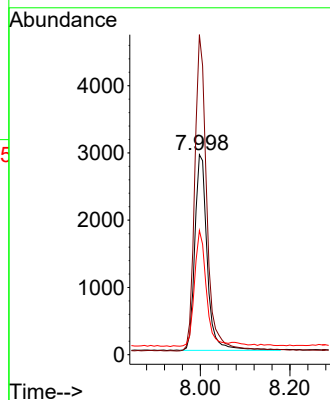
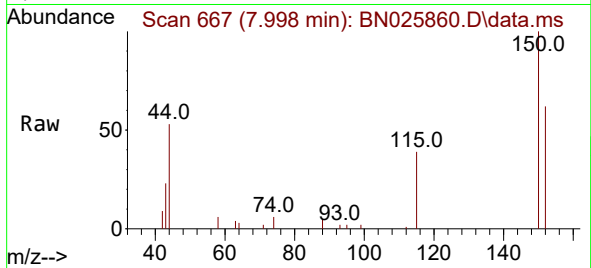




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 669
Delta R.T. -0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

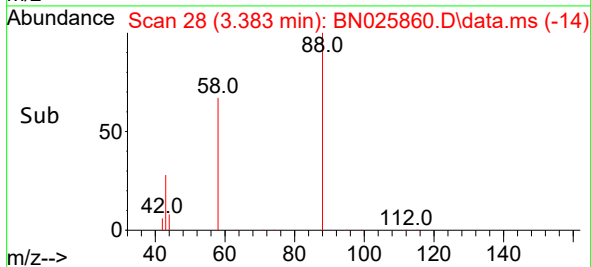
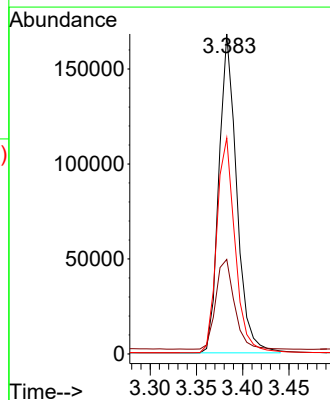
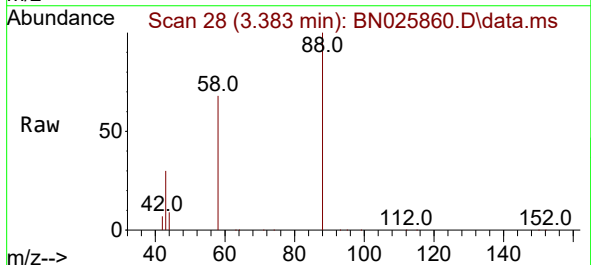
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

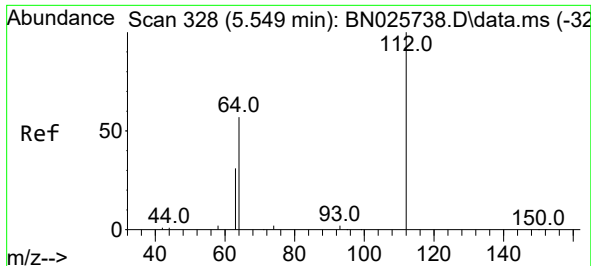
Tgt Ion:152 Resp: 5592
Ion Ratio Lower Upper
152 100
150 160.0 121.5 182.3
115 62.1 47.7 71.5



#2
1,4-Dioxane
Concen: 34.180 ng
RT: 3.383 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

Tgt Ion: 88 Resp: 224252
Ion Ratio Lower Upper
88 100
43 29.5 31.0 46.4#
58 69.3 57.3 85.9

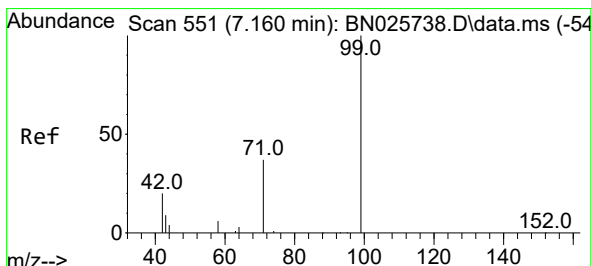
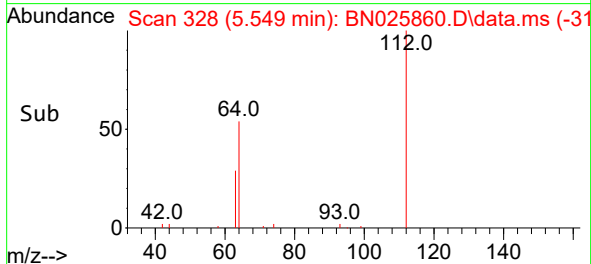
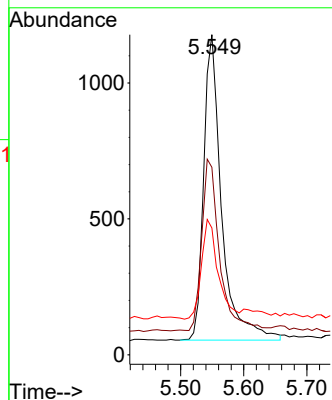
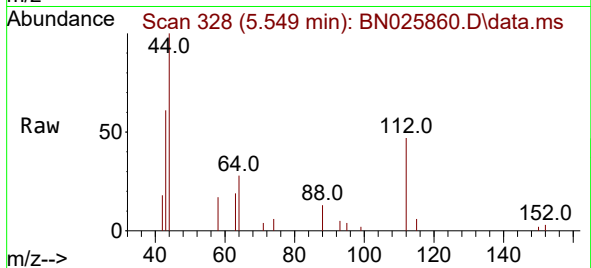




#4
2-Fluorophenol
Concen: 0.141 ng
RT: 5.549 min Scan# 31
Delta R.T. 0.015 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

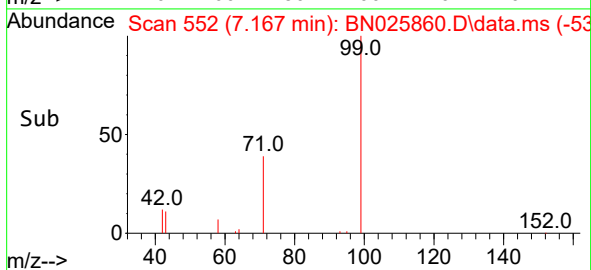
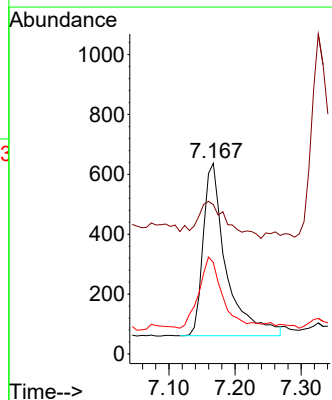
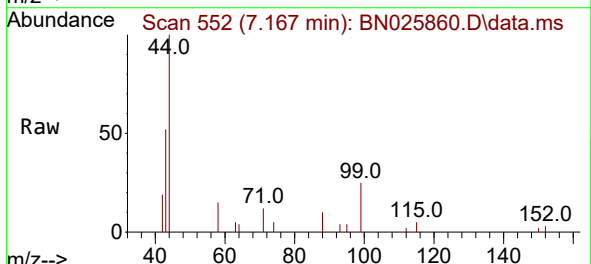
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

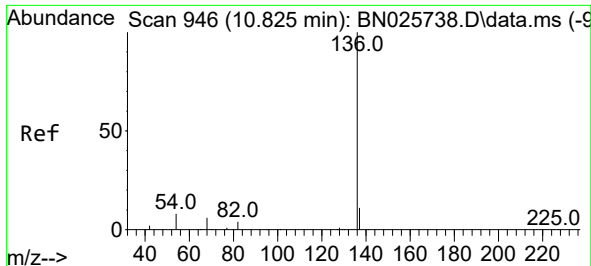
Tgt Ion:112 Resp: 2222
Ion Ratio Lower Upper
112 100
64 56.1 47.5 71.3
63 30.5 26.2 39.4



#5
Phenol-d6
Concen: 0.072 ng
RT: 7.167 min Scan# 552
Delta R.T. 0.015 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

Tgt Ion: 99 Resp: 1388
Ion Ratio Lower Upper
99 100
42 26.2 18.6 28.0
71 45.0 30.5 45.7

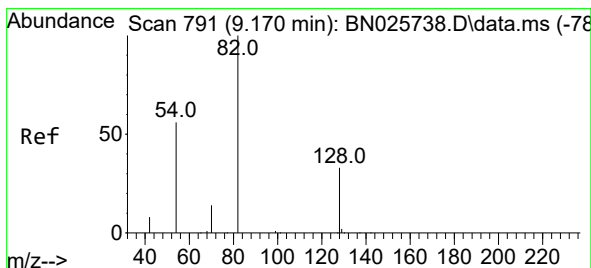
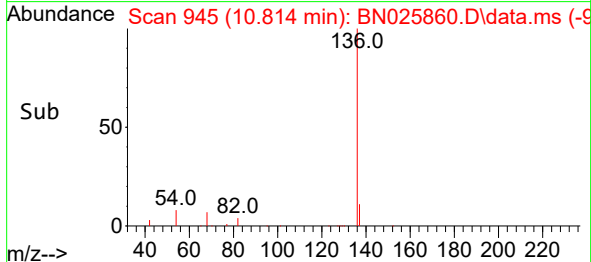
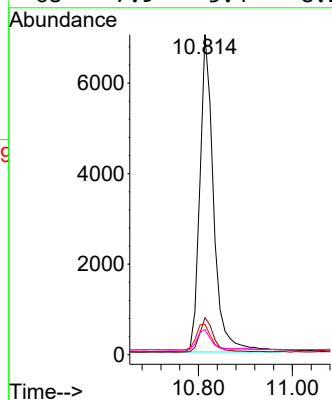
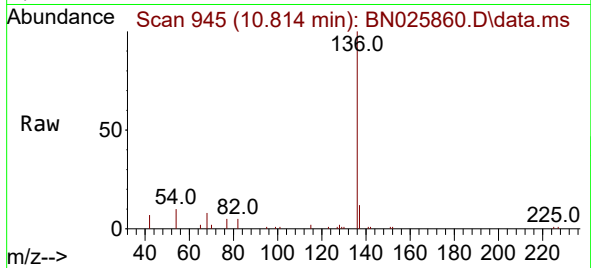




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

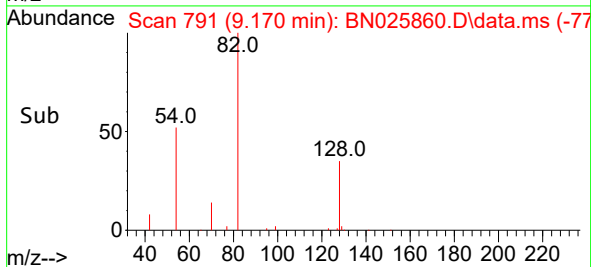
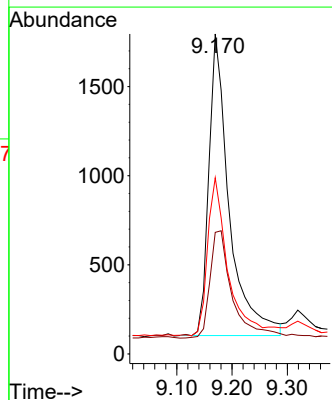
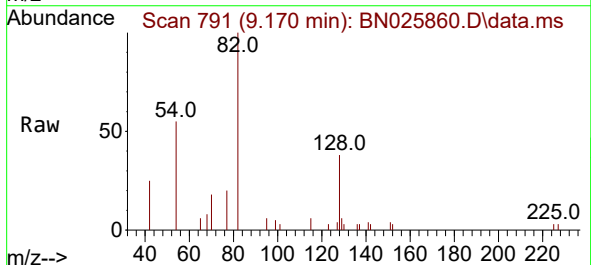
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

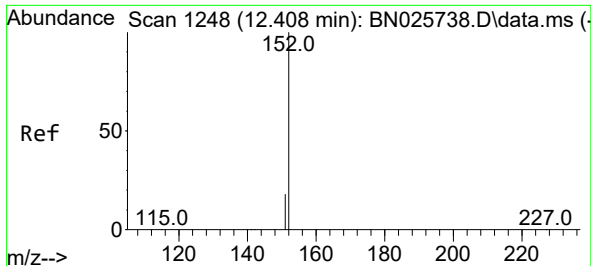
Tgt Ion:	136	Resp:	14367
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.3	13.9
54	9.6	7.2	10.8
68	7.9	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 9.170 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

Tgt Ion:	82	Resp:	4339
Ion Ratio	Lower	Upper	
82	100		
128	38.0	27.6	41.4
54	55.0	45.7	68.5





#11

2-Methylnaphthalene-d10

Concen: 0.365 ng

RT: 12.400 min Scan# 11

Delta R.T. 0.004 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

Instrument :

BNA_N

ClientSampleId :

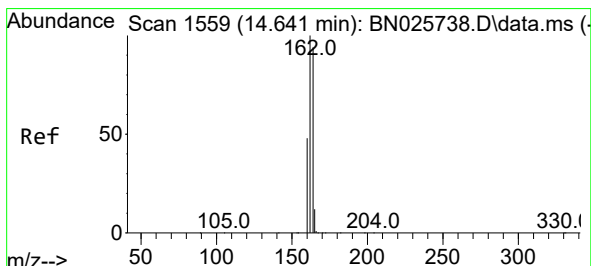
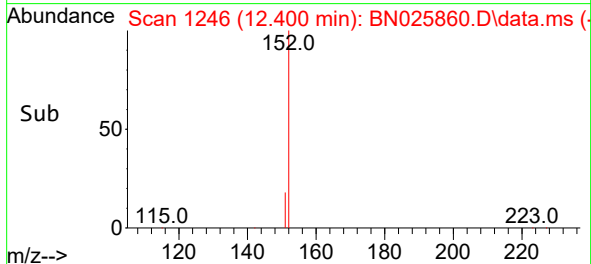
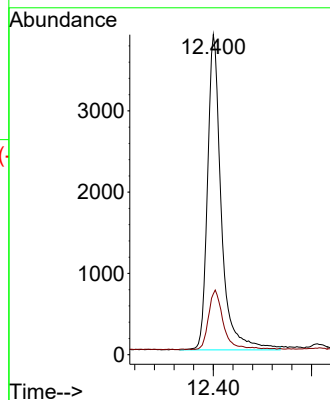
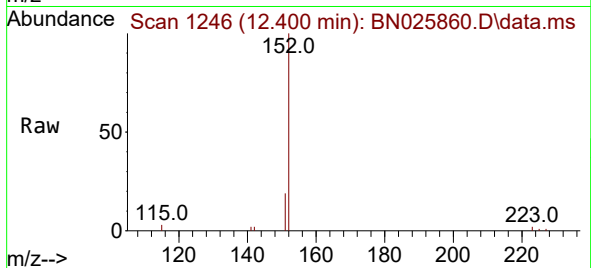
GWOW-BR-05-84-104-061323

Tgt Ion:152 Resp: 7550

Ion Ratio Lower Upper

152 100

151 19.7 16.4 24.6



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.630 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

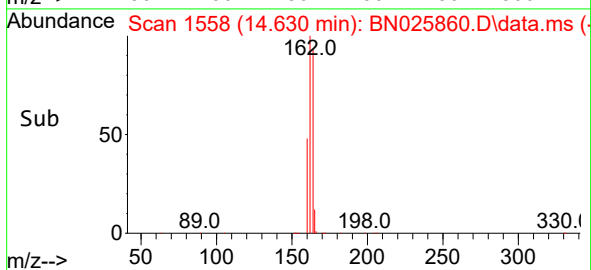
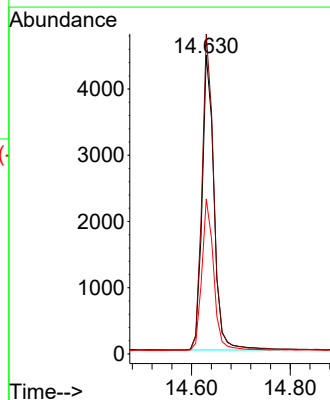
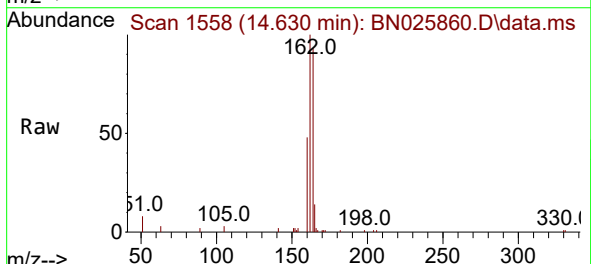
Tgt Ion:164 Resp: 7465

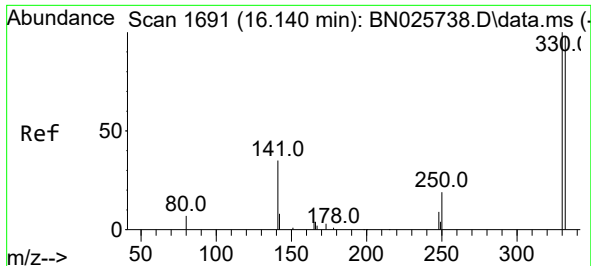
Ion Ratio Lower Upper

164 100

162 107.0 85.0 127.6

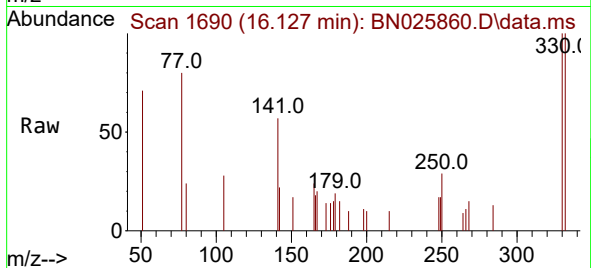
160 51.8 41.1 61.7



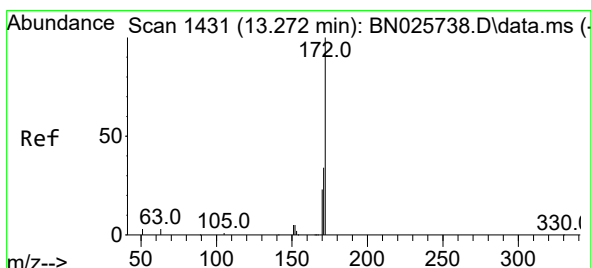
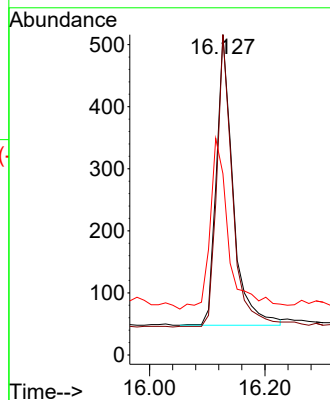
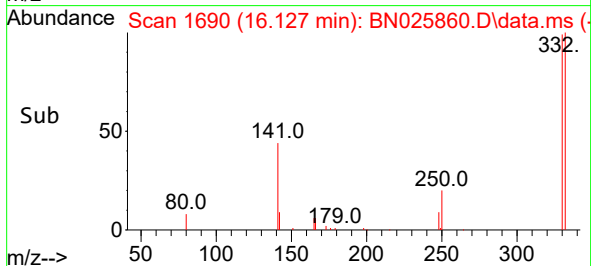


#14
2,4,6-Tribromophenol
Concen: 0.407 ng
RT: 16.127 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

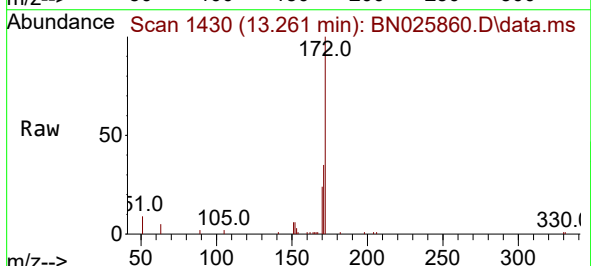
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-84-104-061323



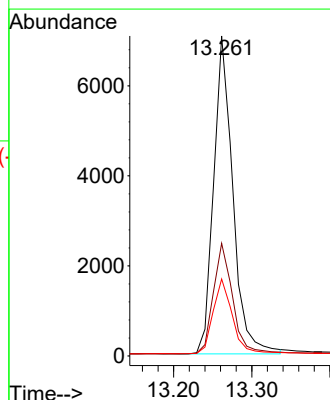
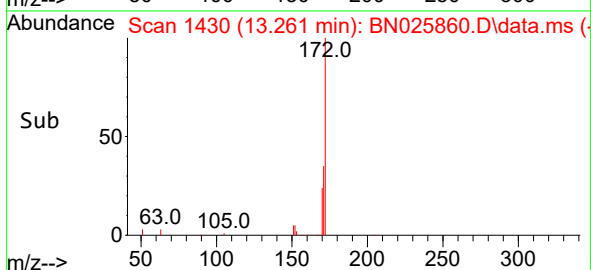
Tgt Ion:330 Resp: 936
Ion Ratio Lower Upper
330 100
332 94.2 77.3 115.9
141 65.4 55.0 82.6

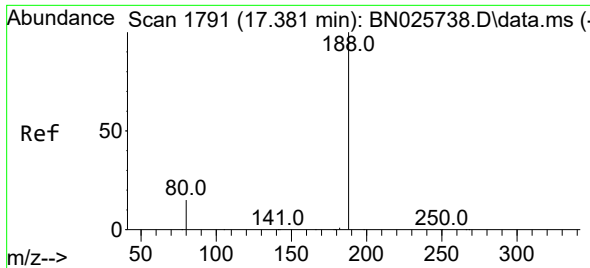


#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.261 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17



Tgt Ion:172 Resp: 12020
Ion Ratio Lower Upper
172 100
171 35.2 27.3 40.9
170 24.1 18.6 28.0

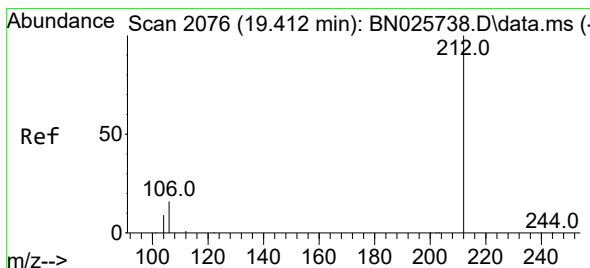
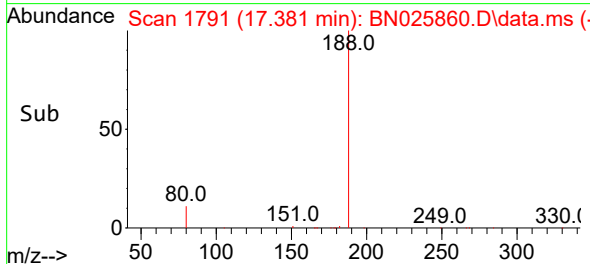
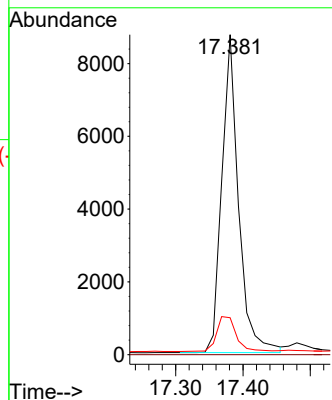
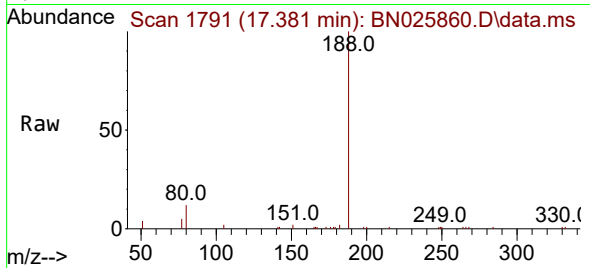




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.381 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

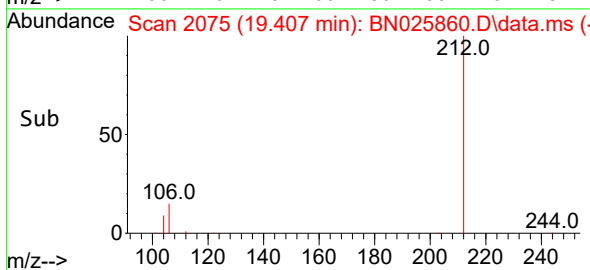
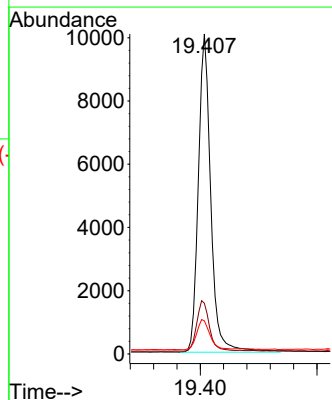
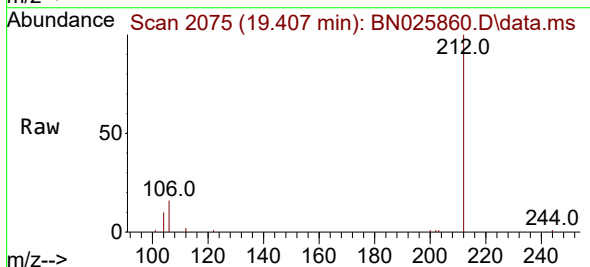
Instrument :
BNA_N
ClientSampleId :
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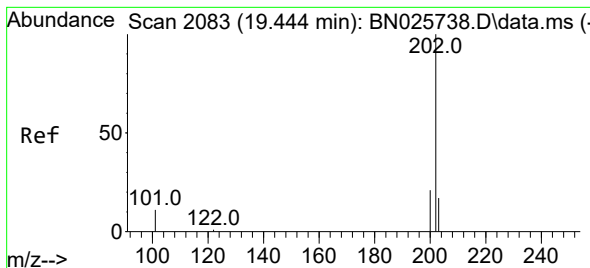
Tgt Ion:188 Resp: 15026
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.6 12.1 18.1#



#27
Fluoranthene-d10
Concen: 0.482 ng
RT: 19.407 min Scan# 2075
Delta R.T. 0.005 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

Tgt Ion:212 Resp: 14896
Ion Ratio Lower Upper
212 100
106 16.2 13.0 19.6
104 10.1 7.7 11.5





#28

Fluoranthene

Concen: 0.026 ng

RT: 19.435 min Scan# 2083

Delta R.T. 0.000 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-84-104-061323

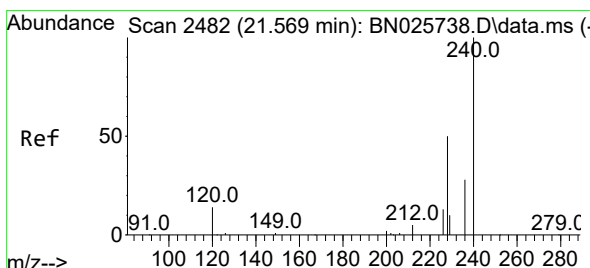
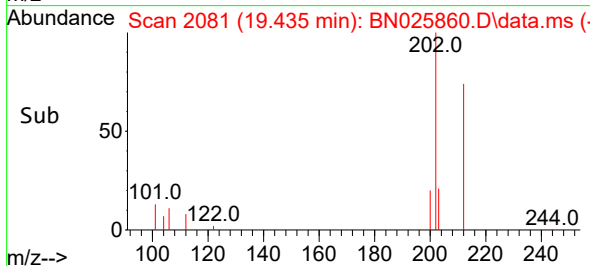
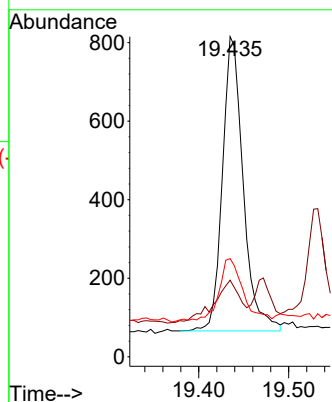
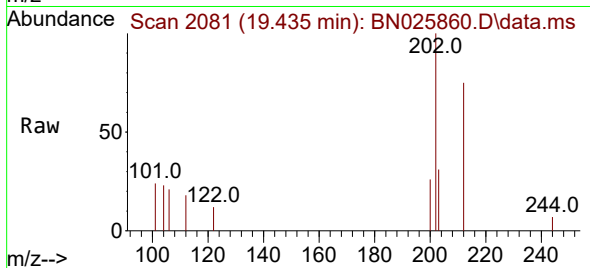
Tgt Ion:202 Resp: 1202

Ion Ratio Lower Upper

202 100

101 18.6 9.8 14.8#

203 24.0 13.4 20.2#



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.569 min Scan# 2482

Delta R.T. 0.009 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

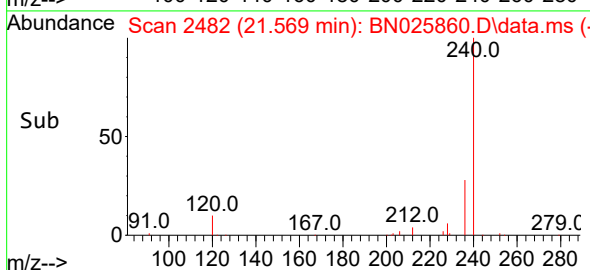
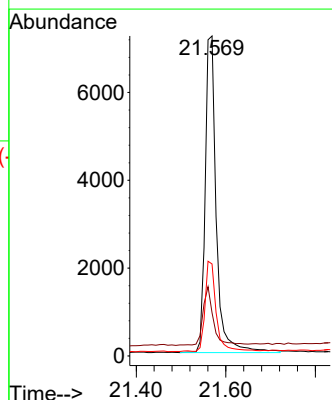
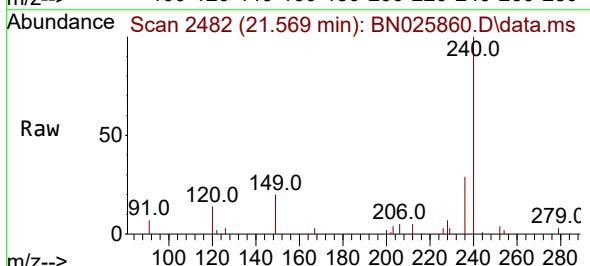
Tgt Ion:240 Resp: 12424

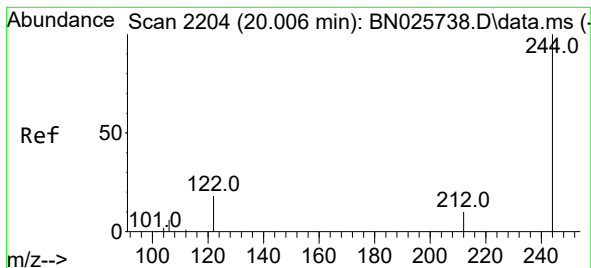
Ion Ratio Lower Upper

240 100

120 13.5 13.2 19.8

236 28.7 23.1 34.7





#31

Terphenyl-d14

Concen: 0.389 ng

RT: 19.997 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN025860.D

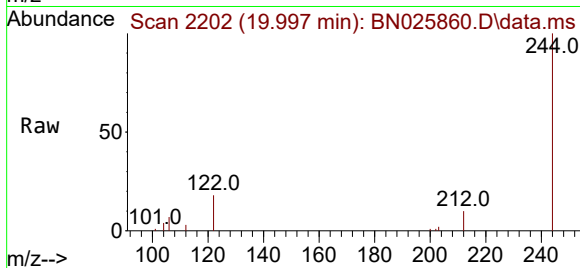
Acq: 15 Jun 2023 16:17

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-84-104-061323



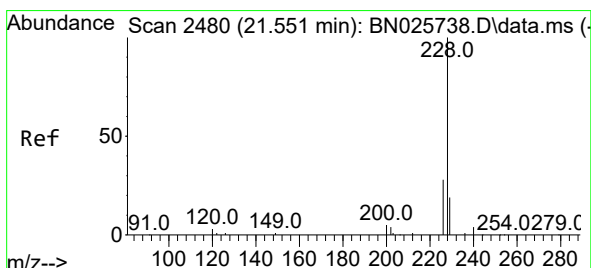
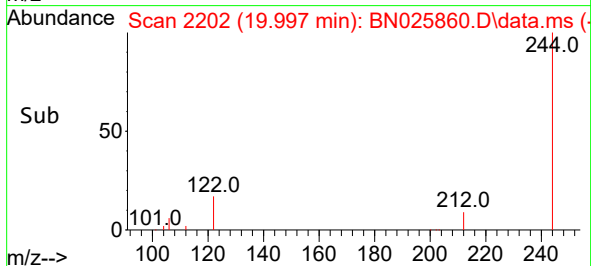
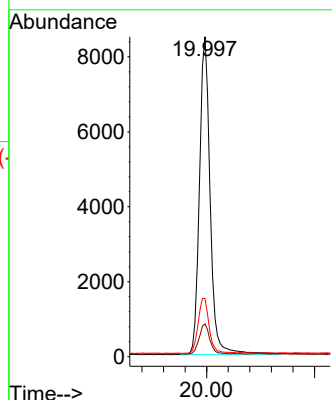
Tgt Ion:244 Resp: 11716

Ion Ratio Lower Upper

244 100

212 10.3 8.6 12.8

122 18.2 15.2 22.8



#32

Benzo(a)anthracene

Concen: 0.073 ng

RT: 21.605 min Scan# 2486

Delta R.T. 0.063 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

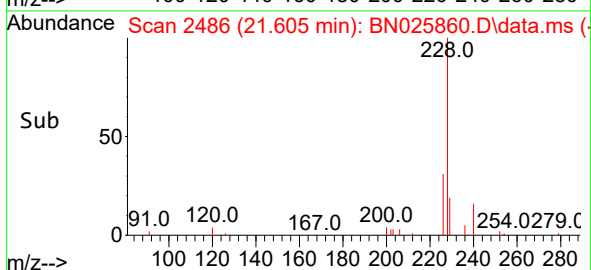
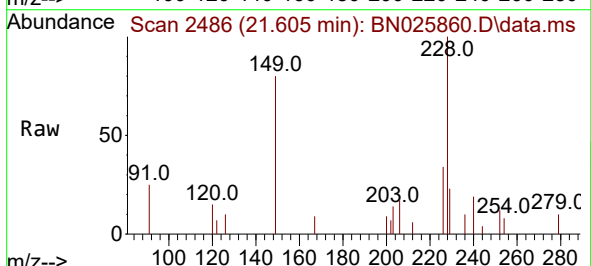
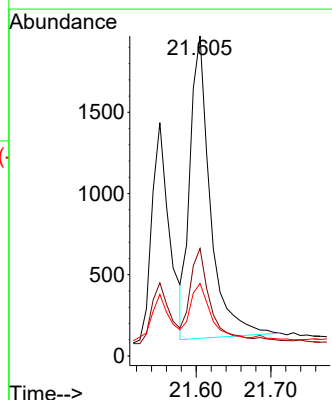
Tgt Ion:228 Resp: 3508

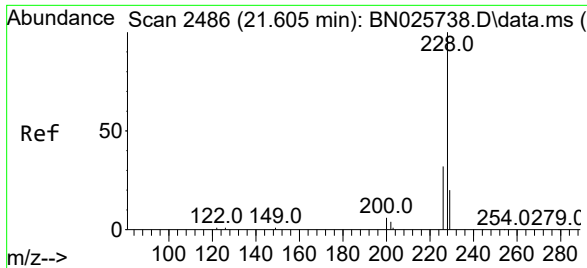
Ion Ratio Lower Upper

228 100

226 33.6 22.9 34.3

229 22.6 15.6 23.4

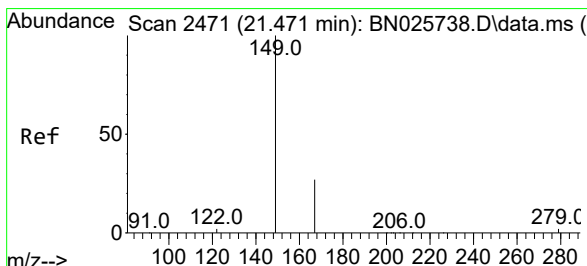
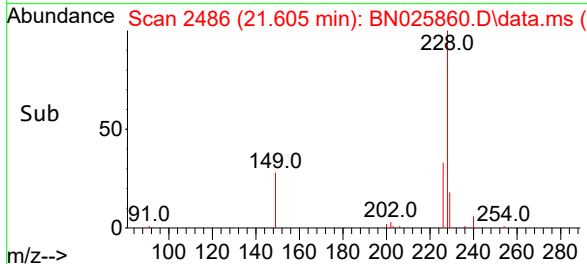
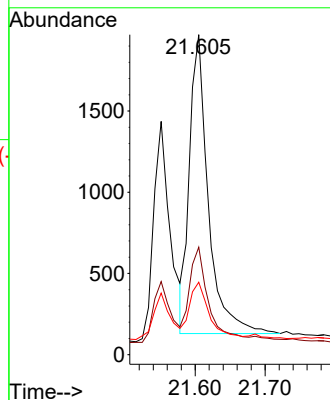
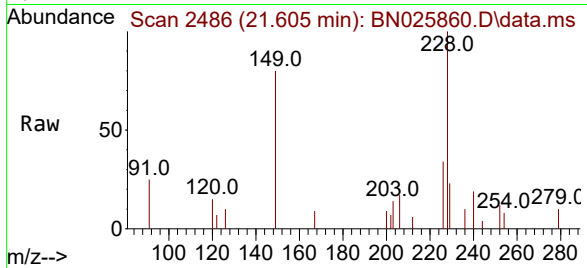




#33
Chrysene
Concen: 0.068 ng
RT: 21.605 min Scan# 2486
Delta R.T. 0.009 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

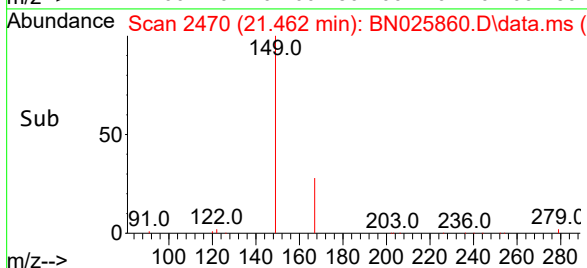
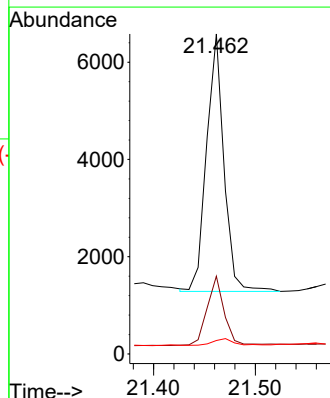
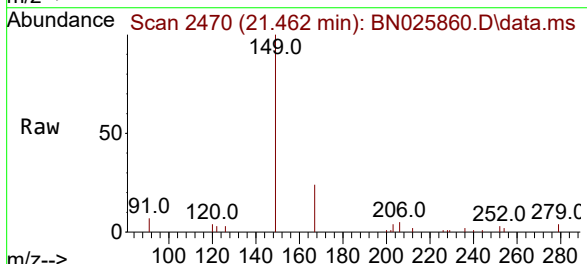
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-84-104-061323

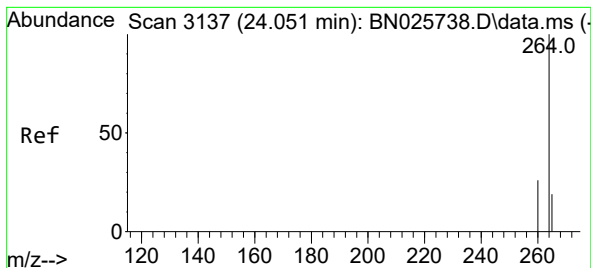
Tgt Ion:228 Resp: 3435
Ion Ratio Lower Upper
228 100
226 33.6 25.4 38.2
229 22.6 16.1 24.1



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.219 ng
RT: 21.462 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BN025860.D
Acq: 15 Jun 2023 16:17

Tgt Ion:149 Resp: 6261
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.6
279 3.1 2.2 3.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.040 min Scan# 3137

Delta R.T. -0.009 min

Lab File: BN025860.D

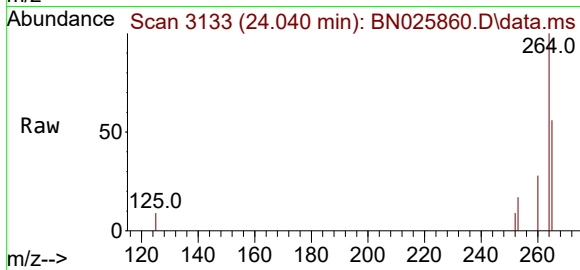
Acq: 15 Jun 2023 16:17

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-84-104-061323



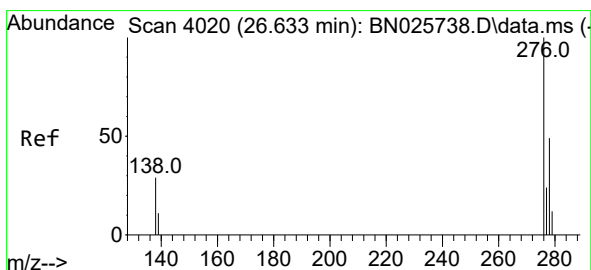
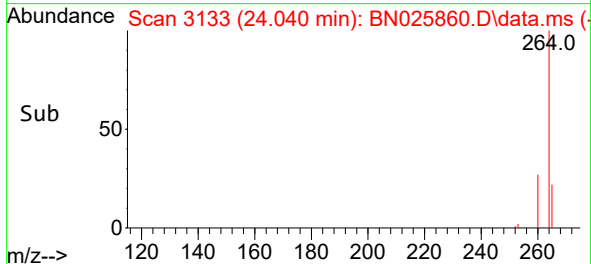
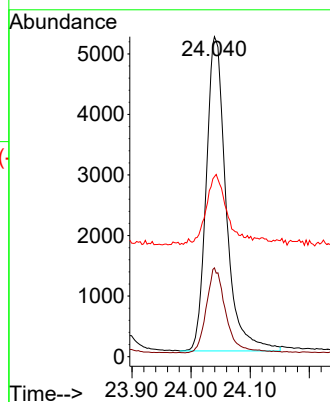
Tgt Ion:264 Resp: 12112

Ion Ratio Lower Upper

264 100

260 27.7 21.4 32.2

265 56.2 44.7 67.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.021 ng

RT: 26.650 min Scan# 4026

Delta R.T. 0.009 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

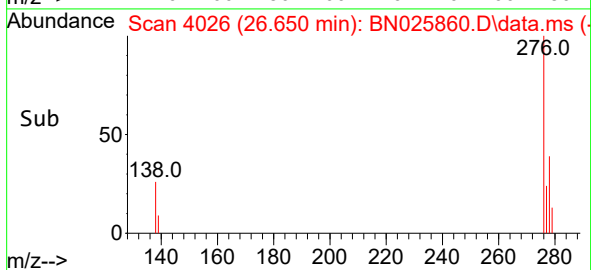
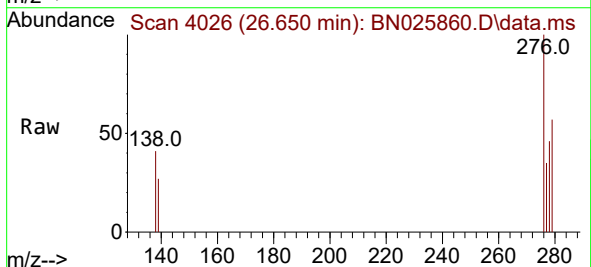
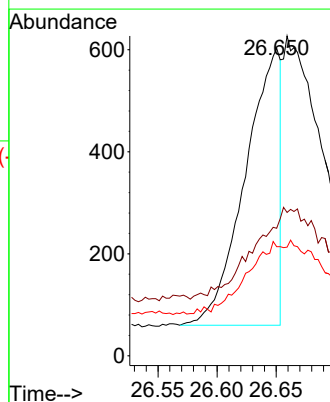
Tgt Ion:276 Resp: 1120

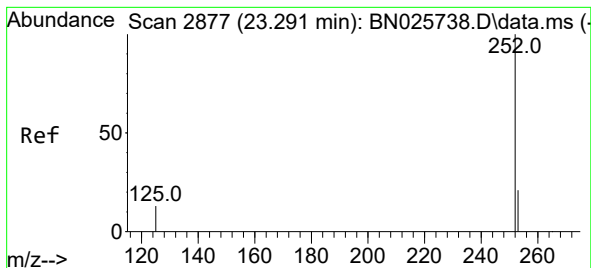
Ion Ratio Lower Upper

276 100

138 71.7 26.1 39.1#

277 24.9 19.4 29.2





#37

Benzo(b)fluoranthene

Concen: 0.126 ng

RT: 23.288 min Scan# 2876

Delta R.T. 0.006 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-84-104-061323

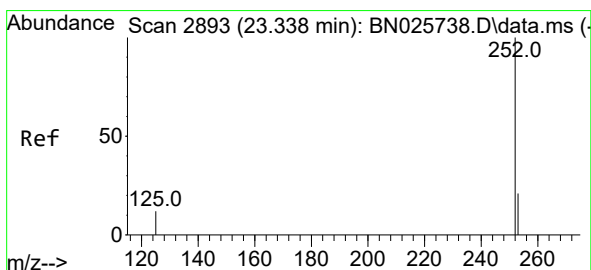
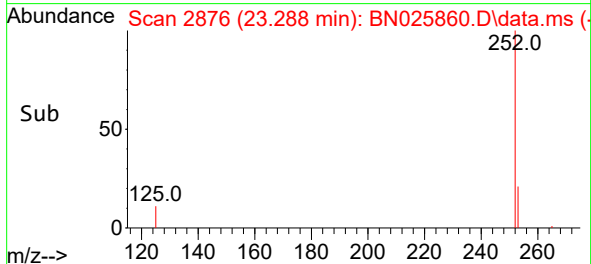
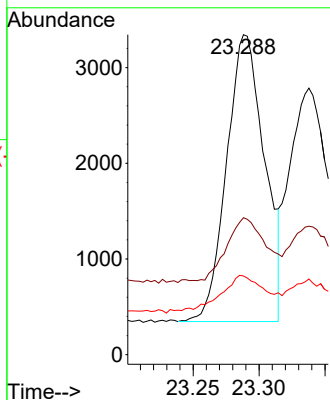
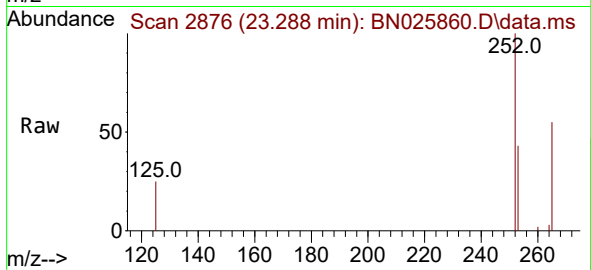
Tgt Ion:252 Resp: 6002

Ion Ratio Lower Upper

252 100

253 42.8 23.4 35.0#

125 24.6 12.3 18.5#



#38

Benzo(k)fluoranthene

Concen: 0.096 ng

RT: 23.338 min Scan# 2893

Delta R.T. 0.009 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

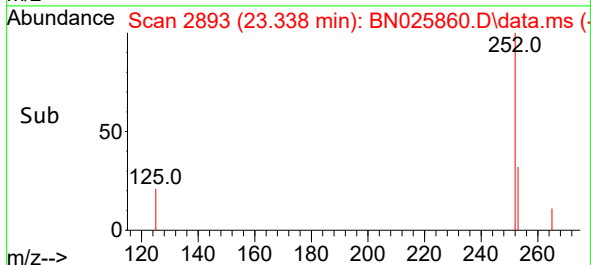
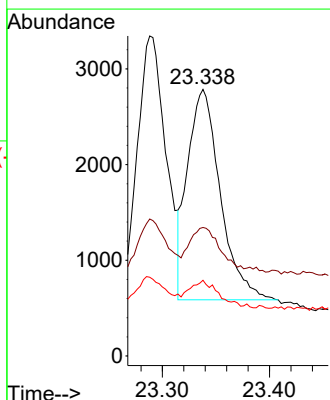
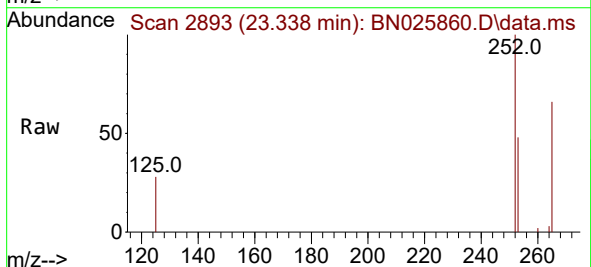
Tgt Ion:252 Resp: 4666

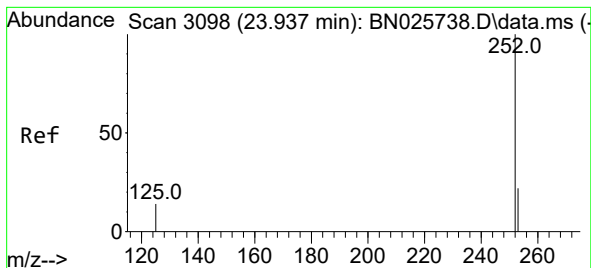
Ion Ratio Lower Upper

252 100

253 48.2 24.2 36.4#

125 28.4 12.2 18.2#





#39

Benzo(a)pyrene

Concen: 0.057 ng

RT: 23.937 min Scan# 3098

Delta R.T. 0.000 min

Lab File: BN025860.D

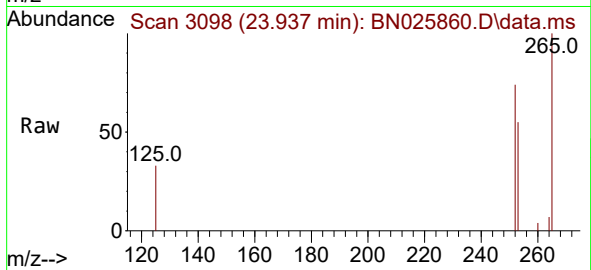
Acq: 15 Jun 2023 16:17

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-84-104-061323



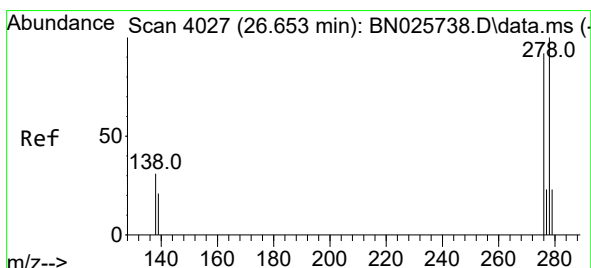
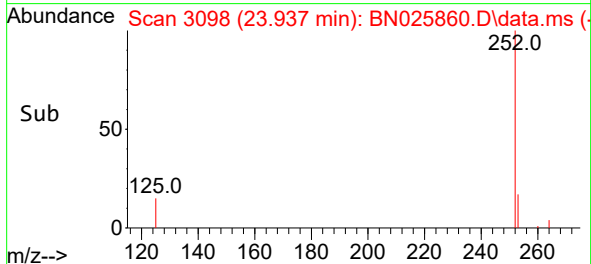
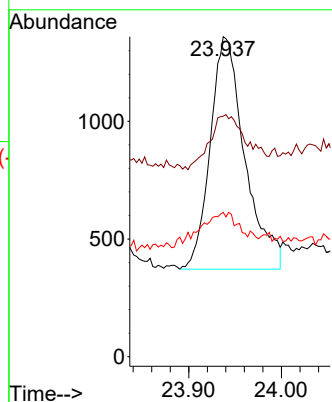
Tgt Ion:252 Resp: 2558

Ion Ratio Lower Upper

252 100

253 75.1 27.5 41.3#

125 45.1 14.6 21.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.042 ng

RT: 26.677 min Scan# 4035

Delta R.T. 0.015 min

Lab File: BN025860.D

Acq: 15 Jun 2023 16:17

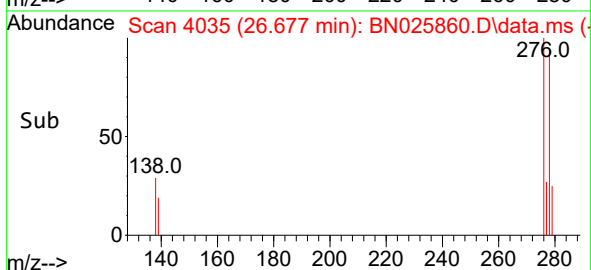
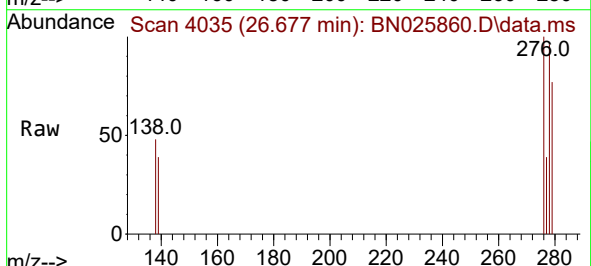
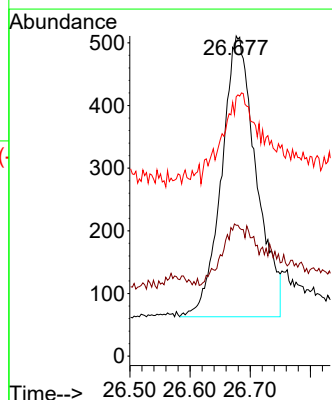
Tgt Ion:278 Resp: 1787

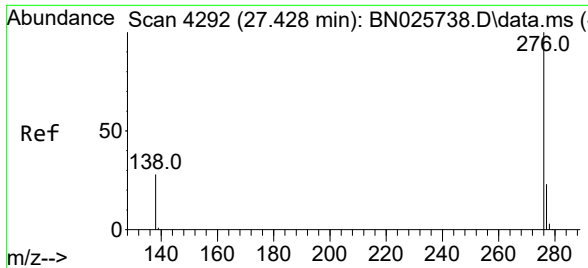
Ion Ratio Lower Upper

278 100

139 40.9 18.7 28.1#

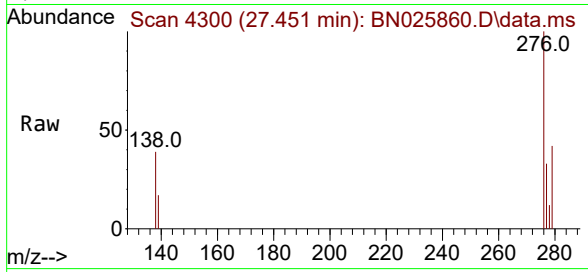
279 81.0 25.1 37.7#





#41
 Benzo(g,h,i)perylene
 Concen: 0.059 ng
 RT: 27.451 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BN025860.D
 Acq: 15 Jun 2023 16:17

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-84-104-061323



Tgt Ion: 276 Resp: 2777

Ion	Ratio	Lower	Upper
276	100		
277	33.0	20.2	30.2#
138	38.6	24.2	36.4#

