

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025866.D
 Acq On : 15 Jun 2023 19:56
 Operator : MA/JU
 Sample : 03173-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-75-87-061323

Quant Time: Jun 16 01:47:23 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)

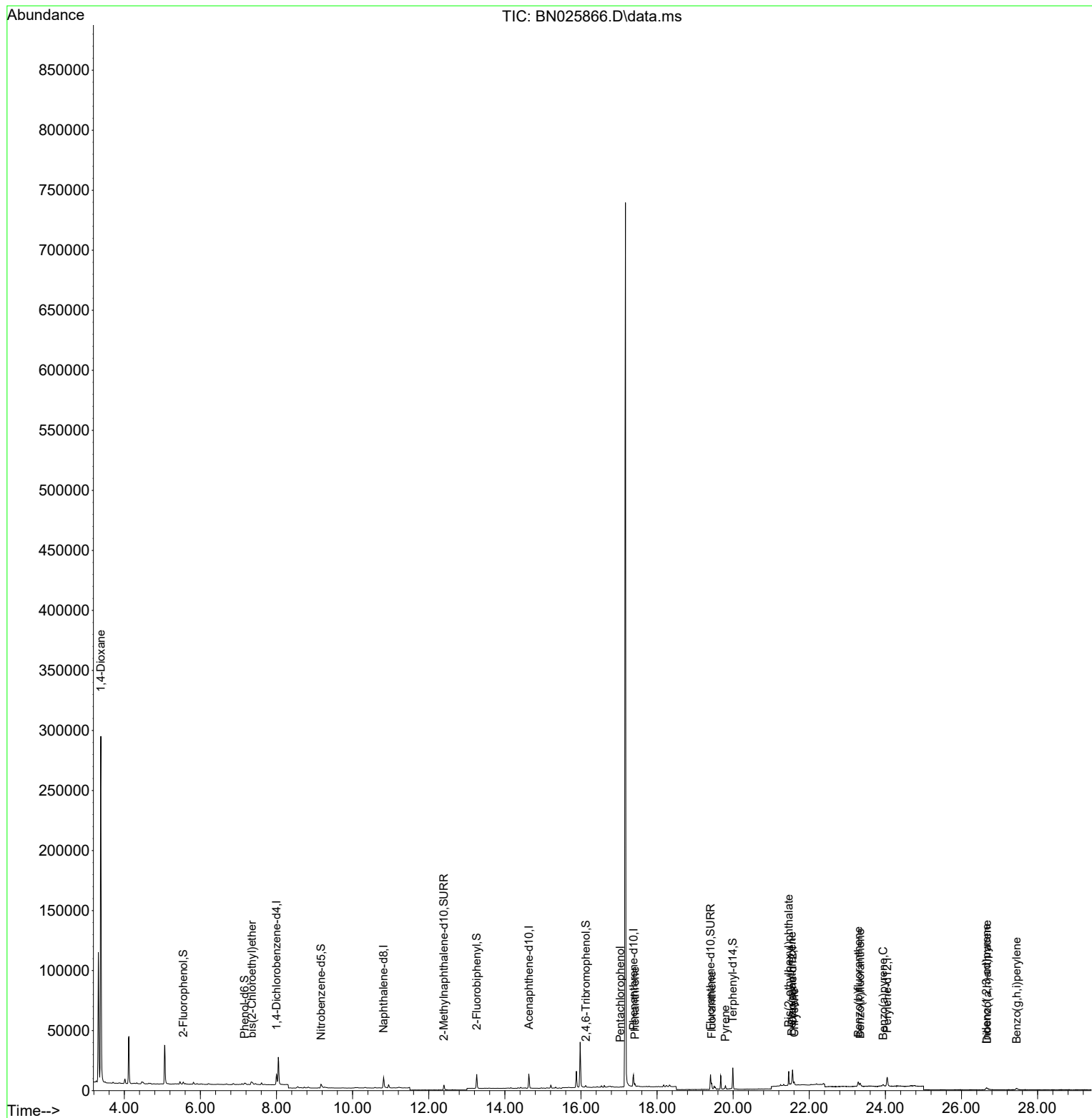
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	4893	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	12732	0.400	ng	0.00
13) Acenaphthene-d10	14.630	164	6772	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	14520	0.400	ng	# 0.00
29) Chrysene-d12	21.560	240	11197	0.400	ng	0.00
35) Perylene-d12	24.048	264	11222	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	1786	0.130	ng	0.01
5) Phenol-d6	7.160	99	1242	0.074	ng	0.00
8) Nitrobenzene-d5	9.170	82	3678	0.311	ng	0.01
11) 2-Methylnaphthalene-d10	12.400	152	6467	0.353	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	830	0.398	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	10641	0.372	ng	0.00
27) Fluoranthene-d10	19.407	212	13780	0.461	ng	0.00
31) Terphenyl-d14	19.992	244	11579	0.426	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.383	88	184144	32.076	ng	# 93
6) bis(2-Chloroethyl)ether	7.355	93	554	0.036	ng	# 27
24) Pentachlorophenol	17.033	266	81	0.030	ng	# 83
25) Phenanthrene	17.418	178	2600	0.058	ng	# 98
28) Fluoranthene	19.435	202	4327	0.098	ng	# 86
30) Pyrene	19.797	202	2594	0.041	ng	# 95
32) Benzo(a)anthracene	21.542	228	2319	0.054	ng	# 79
33) Chrysene	21.605	228	2728	0.060	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.462	149	10659	0.414	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.653	276	2705	0.056	ng	# 93
37) Benzo(b)fluoranthene	23.288	252	5567	0.126	ng	# 71
38) Benzo(k)fluoranthene	23.338	252	4116	0.091	ng	# 60
39) Benzo(a)pyrene	23.940	252	2312	0.055	ng	# 21
40) Dibenzo(a,h)anthracene	26.674	278	1764	0.045	ng	# 31
41) Benzo(g,h,i)perylene	27.449	276	2793	0.064	ng	# 89

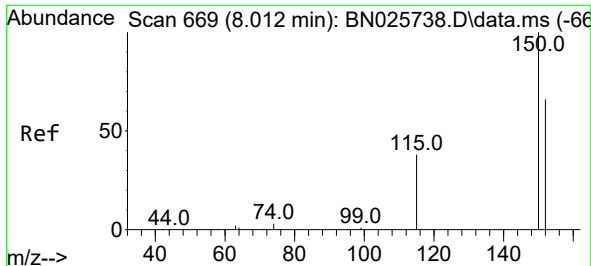
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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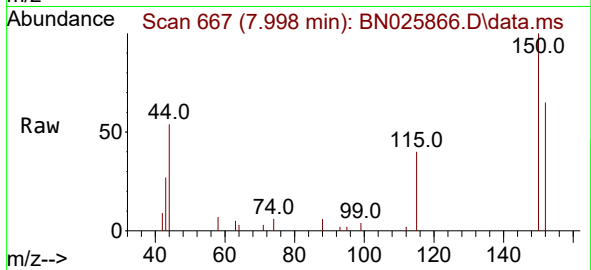
Quant Time: Jun 16 01:47:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 01:41:46 2023
Response via : Initial Calibration



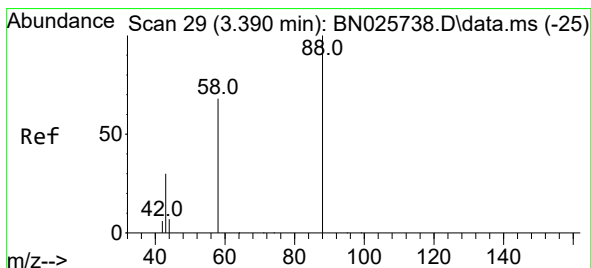
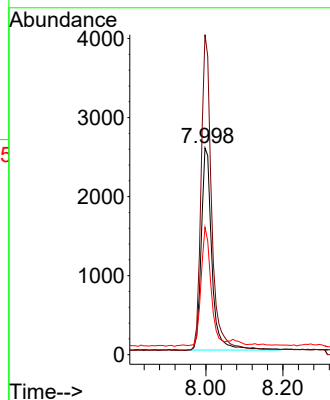
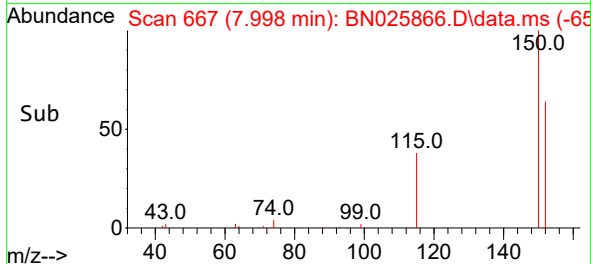


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

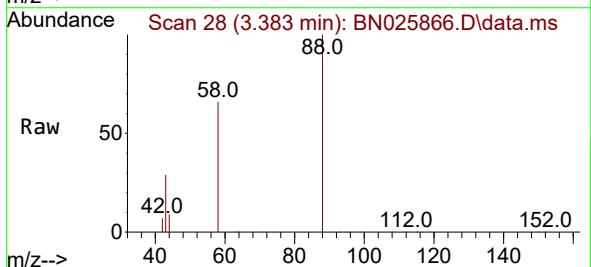
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323



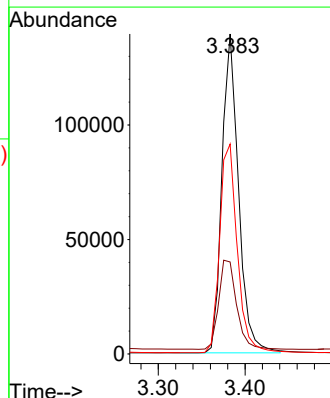
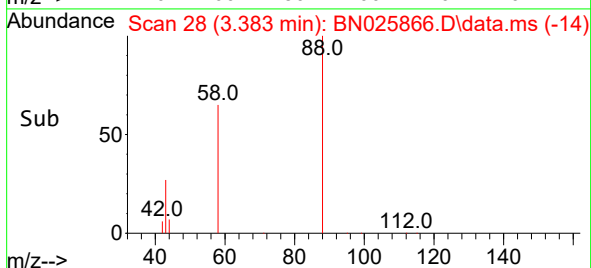
Tgt Ion:152 Resp: 4893
Ion Ratio Lower Upper
152 100
150 154.8 121.5 182.3
115 61.6 47.7 71.5

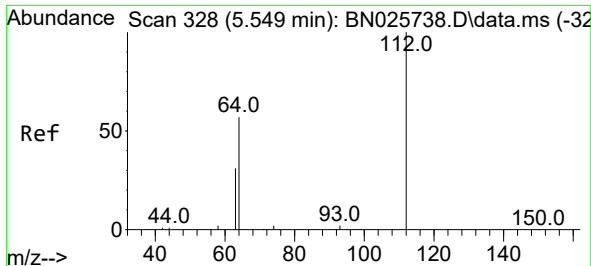


#2
1,4-Dioxane
Concen: 32.076 ng
RT: 3.383 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56



Tgt Ion: 88 Resp: 184144
Ion Ratio Lower Upper
88 100
43 30.3 31.0 46.4#
58 69.3 57.3 85.9

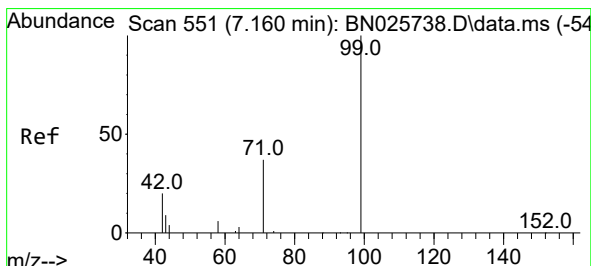
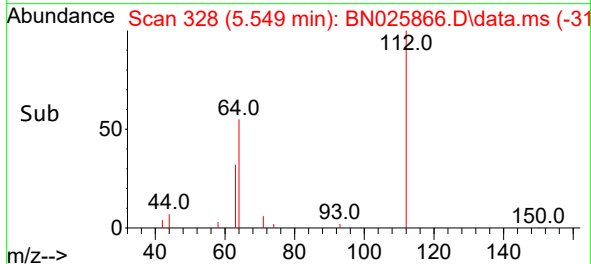
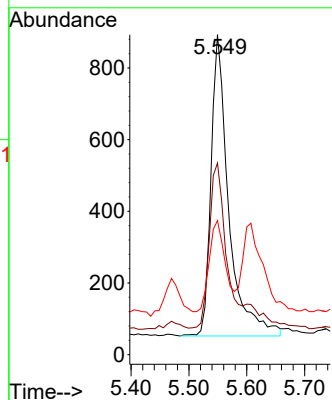
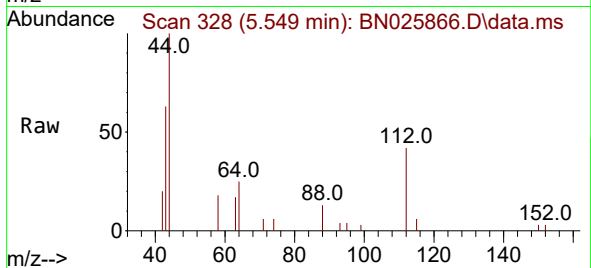




#4
2-Fluorophenol
Concen: 0.130 ng
RT: 5.549 min Scan# 31
Delta R.T. 0.015 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

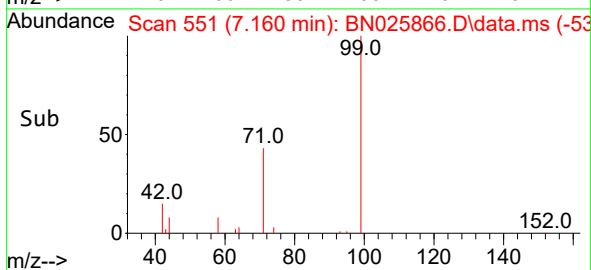
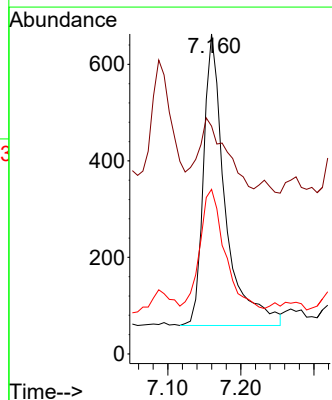
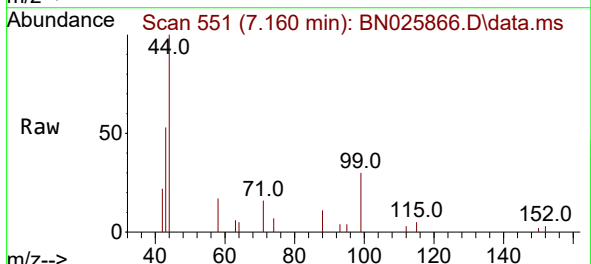
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323

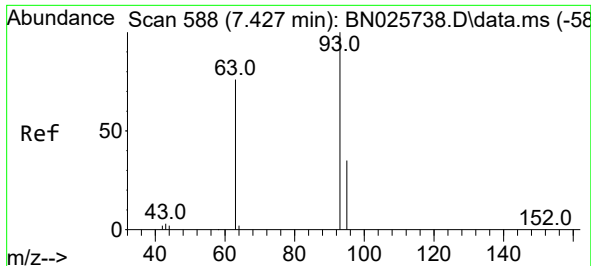
Tgt Ion:	112	Resp:	1786
Ion Ratio	Lower	Upper	
112	100		
64	60.1	47.5	71.3
63	27.7	26.2	39.4



#5
Phenol-d6
Concen: 0.074 ng
RT: 7.160 min Scan# 551
Delta R.T. 0.007 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion:	99	Resp:	1242
Ion Ratio	Lower	Upper	
99	100		
42	30.4	18.6	28.0#
71	46.2	30.5	45.7#

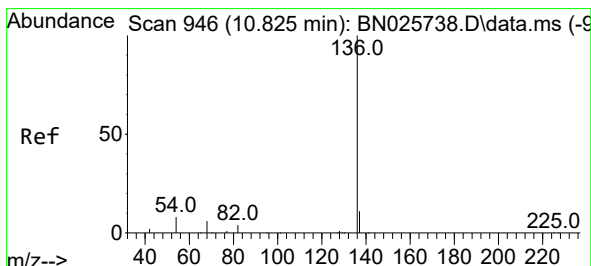
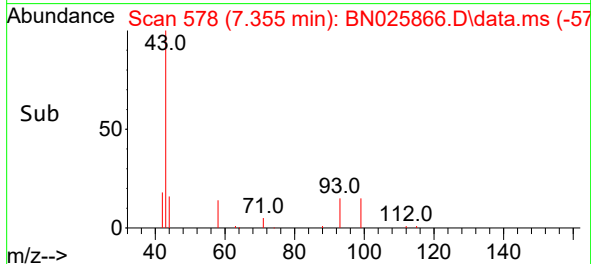
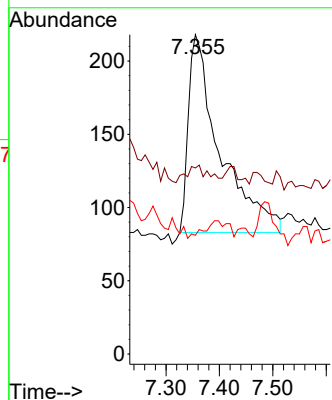
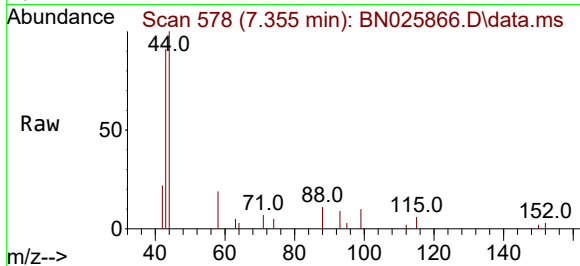




#6
bis(2-Chloroethyl)ether
Concen: 0.036 ng
RT: 7.355 min Scan# 51
Delta R.T. -0.058 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

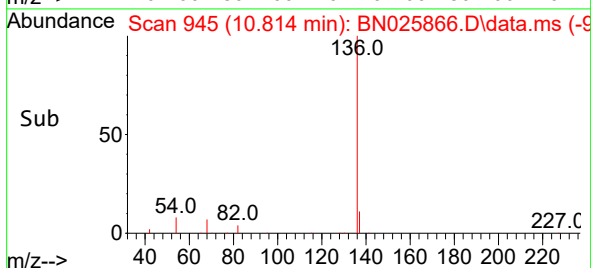
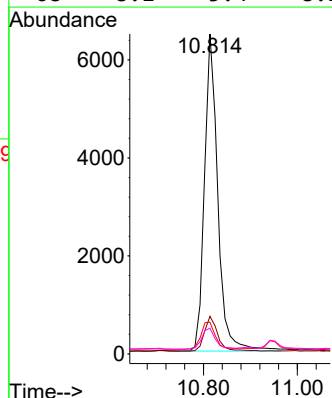
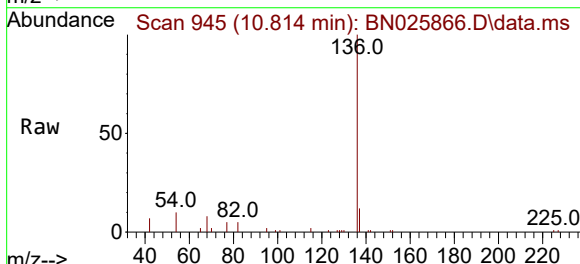
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323

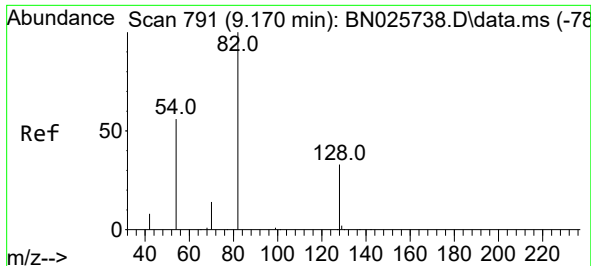
Tgt Ion: 93 Resp: 554
Ion Ratio Lower Upper
93 100
63 3.8 56.4 84.6#
95 0.0 24.6 37.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion: 136 Resp: 12732
Ion Ratio Lower Upper
136 100
137 11.8 9.3 13.9
54 9.9 7.2 10.8
68 8.1 5.4 8.2

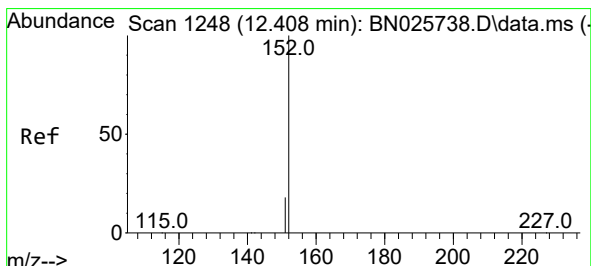
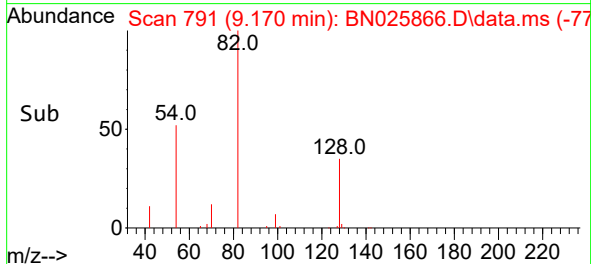
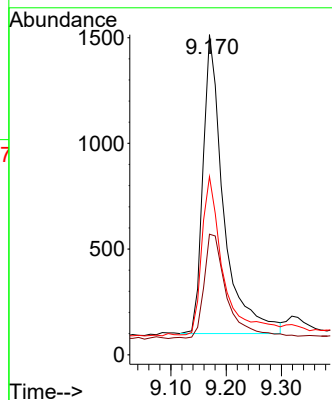
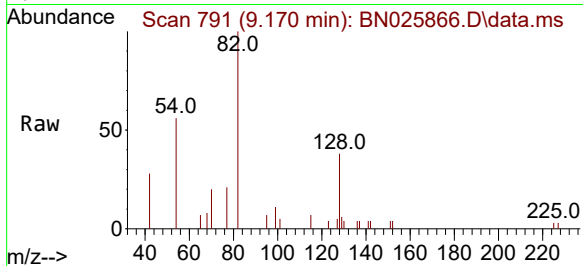




#8
Nitrobenzene-d5
Concen: 0.311 ng
RT: 9.170 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

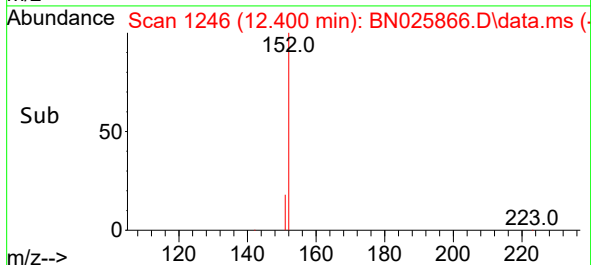
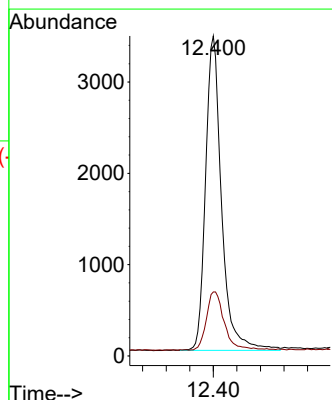
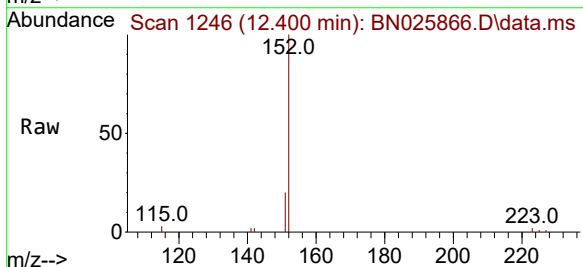
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323

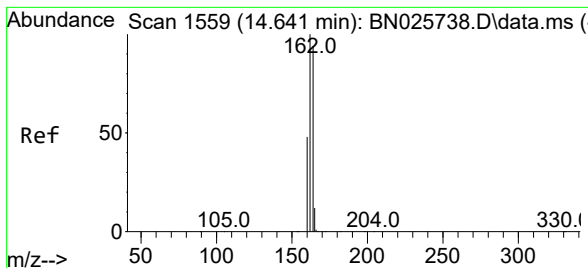
Tgt Ion: 82 Resp: 3678
Ion Ratio Lower Upper
82 100
128 37.6 27.6 41.4
54 55.7 45.7 68.5



#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.400 min Scan# 1246
Delta R.T. 0.004 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion: 152 Resp: 6467
Ion Ratio Lower Upper
152 100
151 20.7 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: BN025866.D

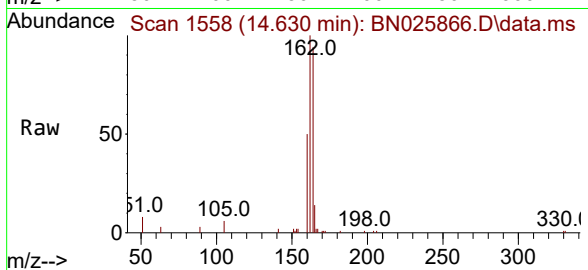
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Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-75-87-061323



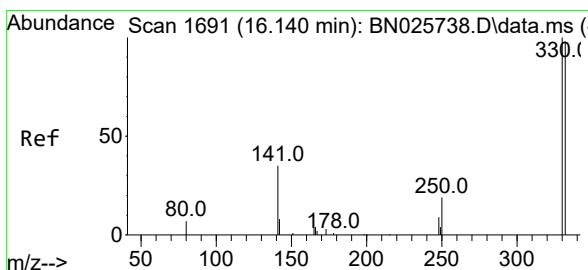
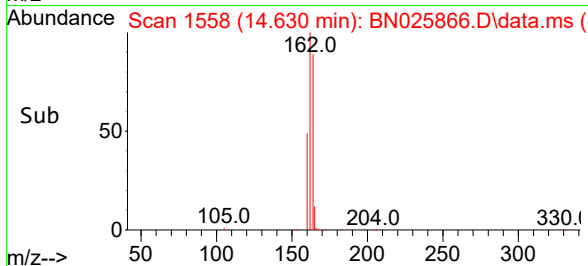
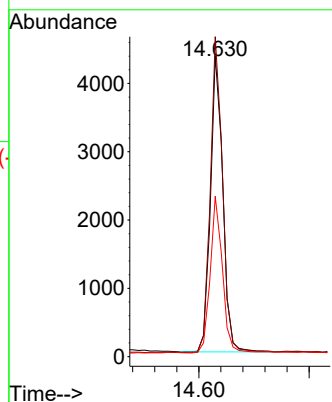
Tgt Ion:164 Resp: 6772

Ion Ratio Lower Upper

164 100

162 106.3 85.0 127.6

160 53.3 41.1 61.7



#14

2,4,6-Tribromophenol

Concen: 0.398 ng

RT: 16.127 min Scan# 1690

Delta R.T. 0.000 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

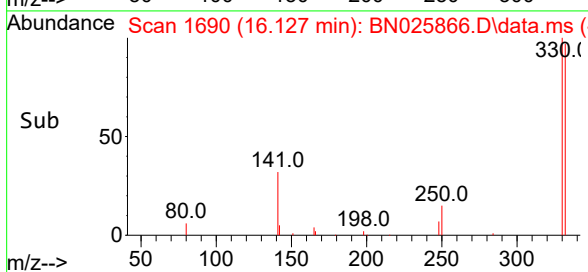
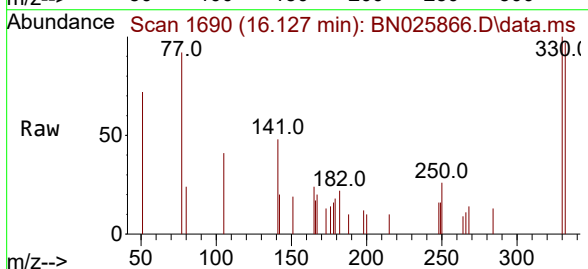
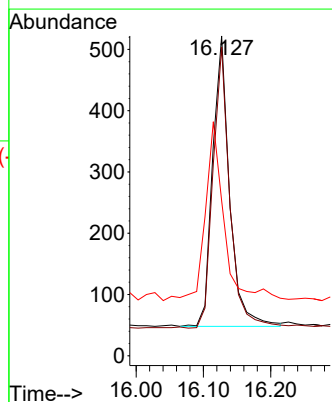
Tgt Ion:330 Resp: 830

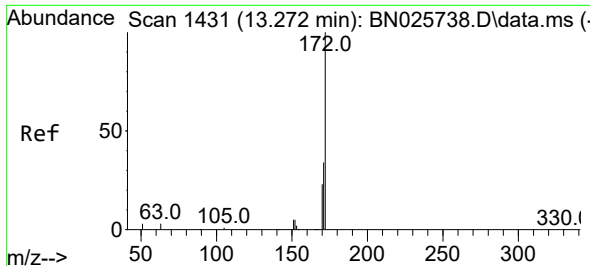
Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 64.5 55.0 82.6

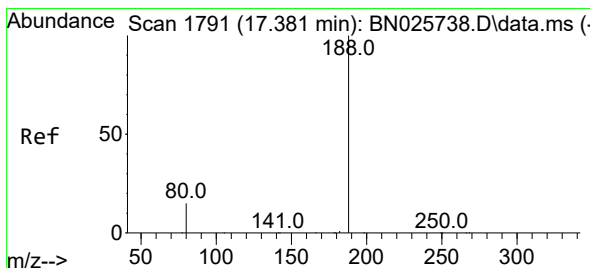
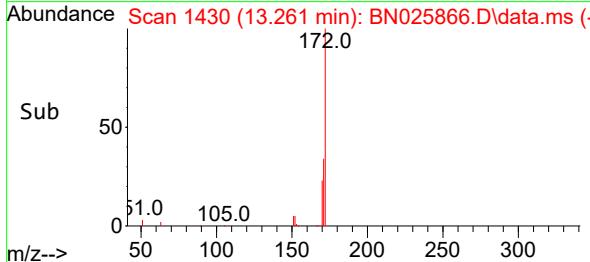
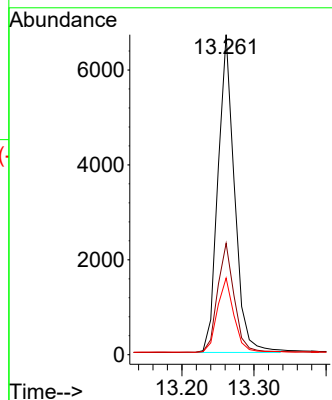
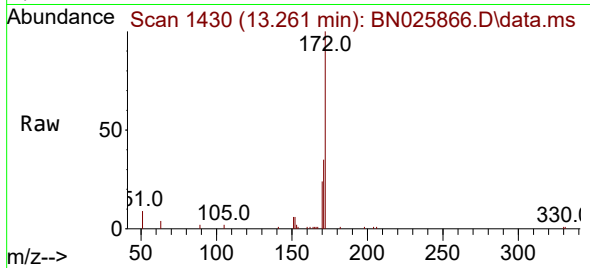




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.261 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

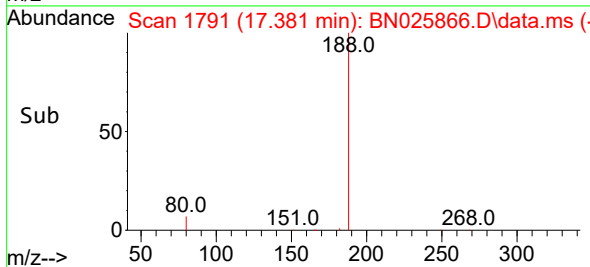
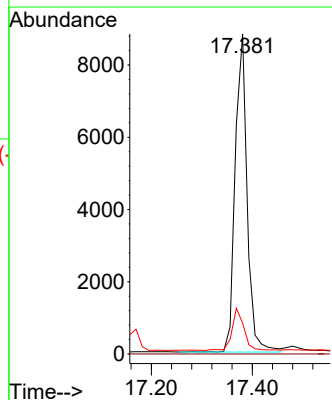
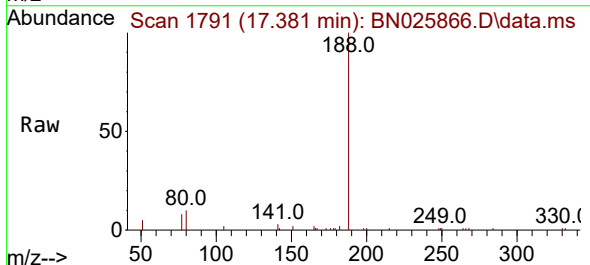
Instrument :
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GWOW-BR-05-75-87-061323

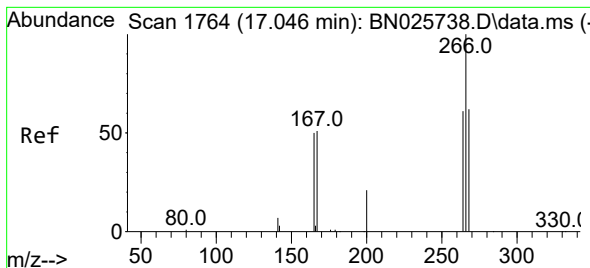
Tgt Ion:	172	Resp:	10641
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.3	40.9
170	24.0	18.6	28.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.381 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion:	188	Resp:	14520
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	12.1	18.1





#24

Pentachlorophenol

Concen: 0.030 ng

RT: 17.033 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-75-87-061323

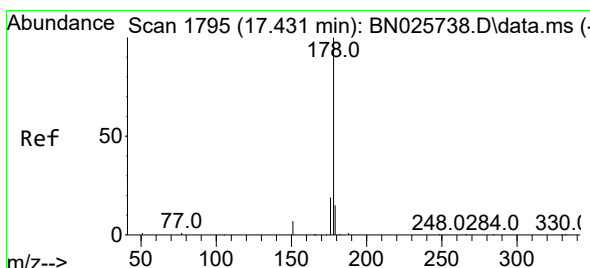
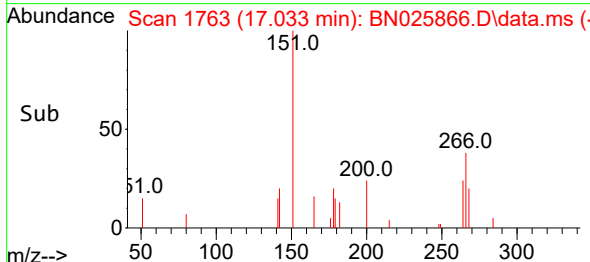
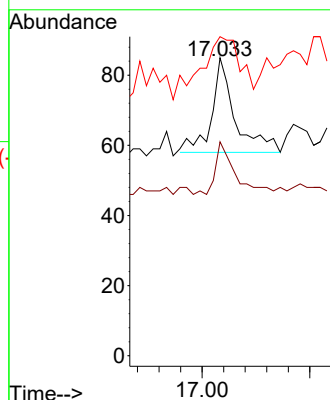
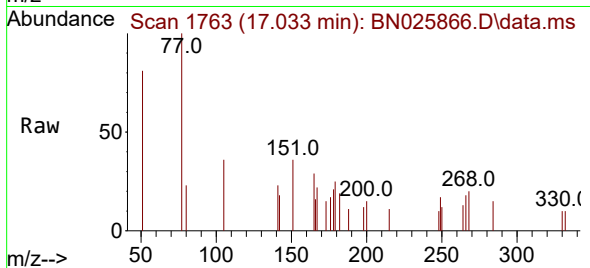
Tgt Ion:266 Resp: 81

Ion Ratio Lower Upper

266 100

264 46.9 48.6 73.0#

268 76.5 51.8 77.6



#25

Phenanthrene

Concen: 0.058 ng

RT: 17.418 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

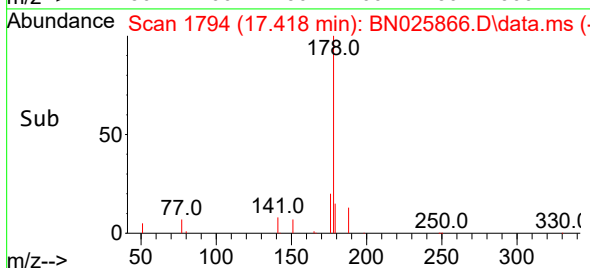
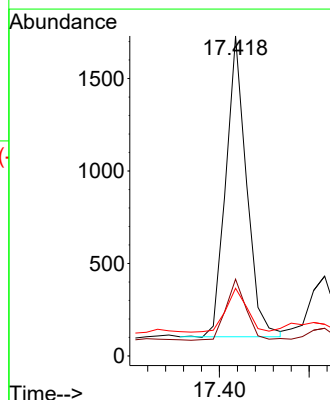
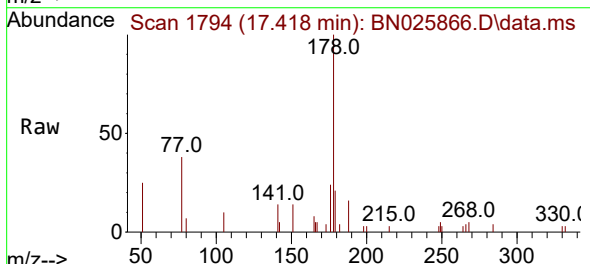
Tgt Ion:178 Resp: 2600

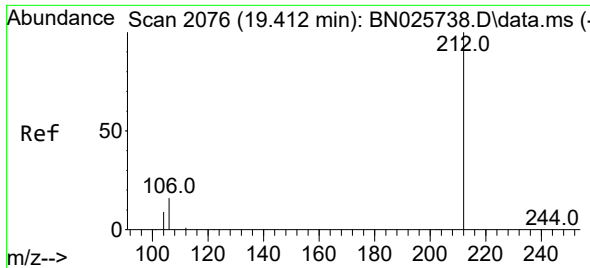
Ion Ratio Lower Upper

178 100

176 20.7 15.7 23.5

179 14.9 12.2 18.2

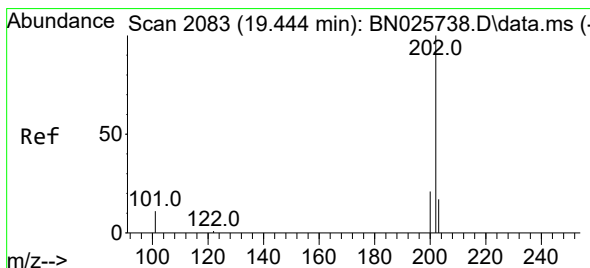
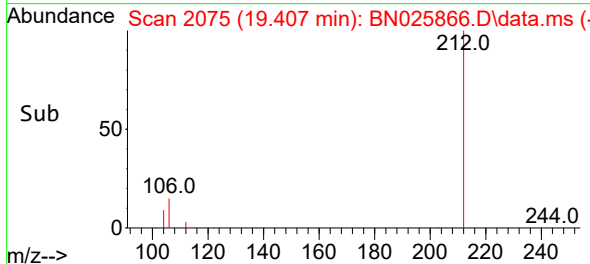
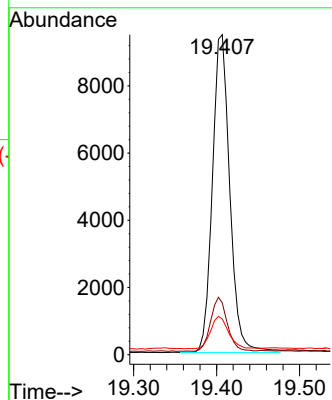
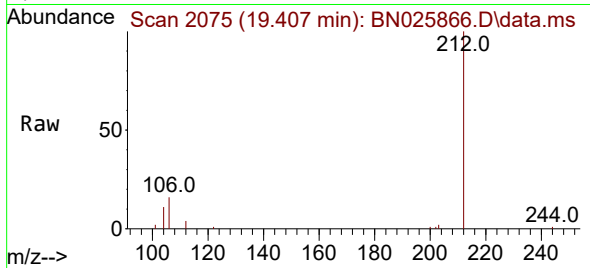




#27
Fluoranthene-d10
Concen: 0.461 ng
RT: 19.407 min Scan# 2075
Delta R.T. 0.005 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

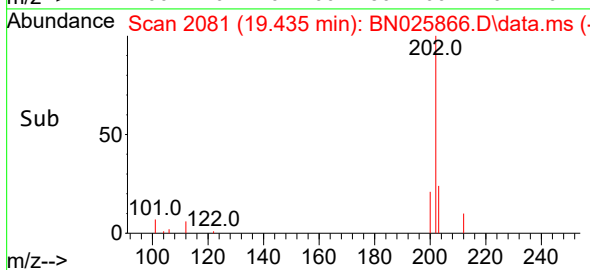
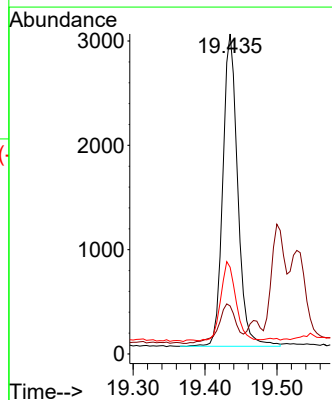
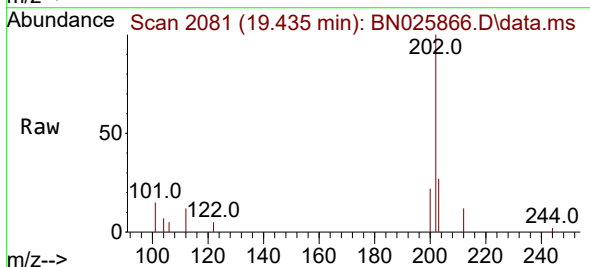
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323

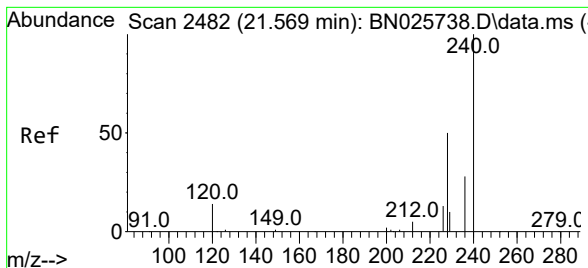
Tgt Ion:212 Resp: 13780
Ion Ratio Lower Upper
212 100
106 16.2 13.0 19.6
104 10.5 7.7 11.5



#28
Fluoranthene
Concen: 0.098 ng
RT: 19.435 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion:202 Resp: 4327
Ion Ratio Lower Upper
202 100
101 14.8 9.8 14.8#
203 25.5 13.4 20.2#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.560 min Scan# 2482

Delta R.T. 0.000 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-75-87-061323

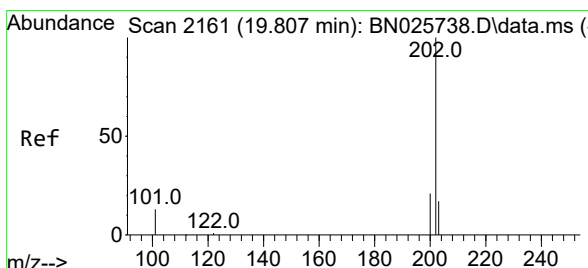
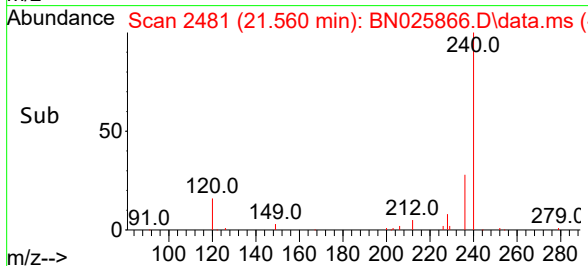
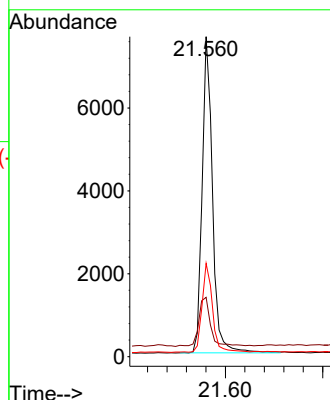
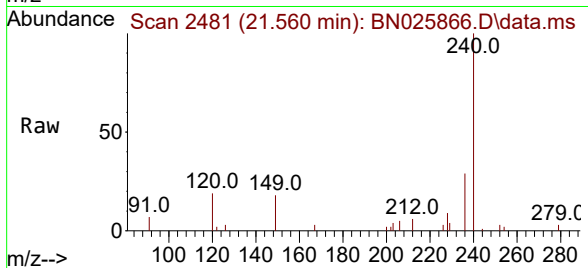
Tgt Ion:240 Resp: 11197

Ion Ratio Lower Upper

240 100

120 18.5 13.2 19.8

236 29.1 23.1 34.7



#30

Pyrene

Concen: 0.041 ng

RT: 19.797 min Scan# 2159

Delta R.T. 0.000 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

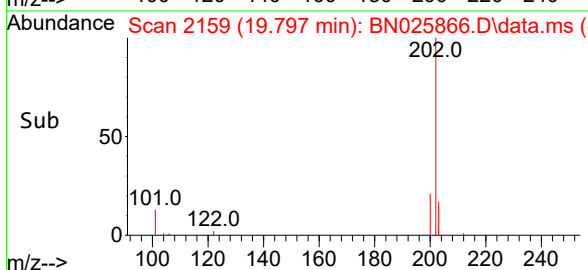
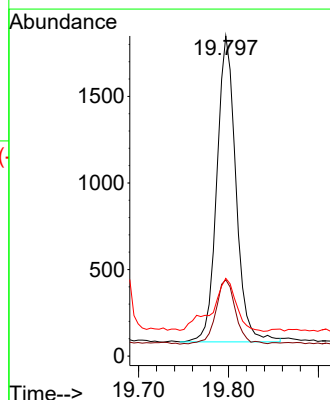
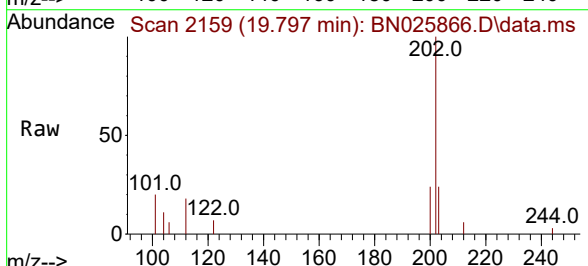
Tgt Ion:202 Resp: 2594

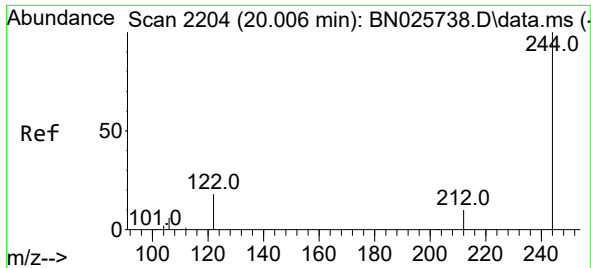
Ion Ratio Lower Upper

202 100

200 21.9 17.0 25.6

203 22.1 14.2 21.2#

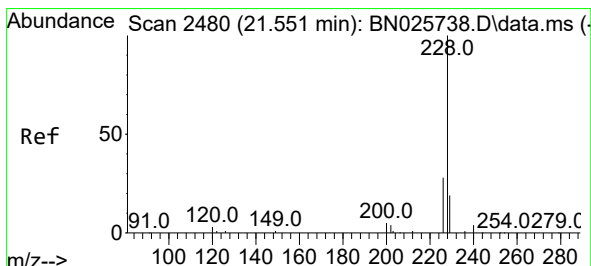
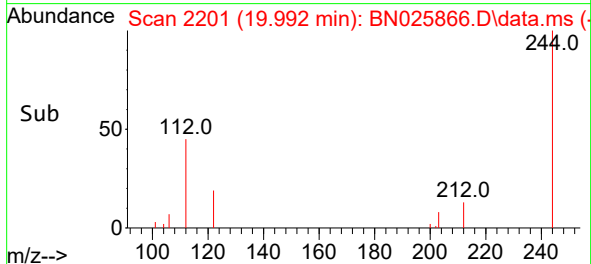
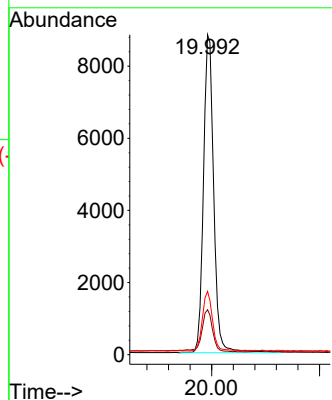
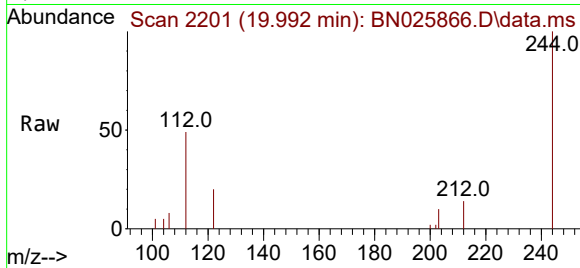




#31
 Terphenyl-d14
 Concen: 0.426 ng
 RT: 19.992 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN025866.D
 Acq: 15 Jun 2023 19:56

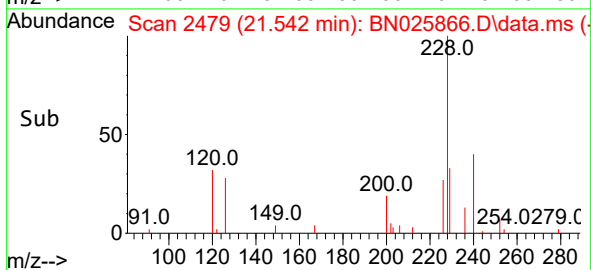
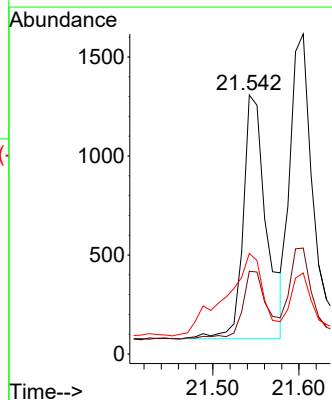
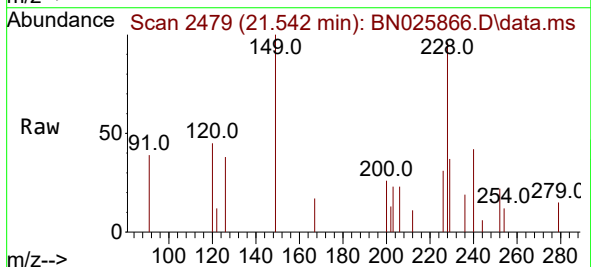
Instrument :
 BNA_N
 ClientSampleId :
 GWOW-BR-05-75-87-061323

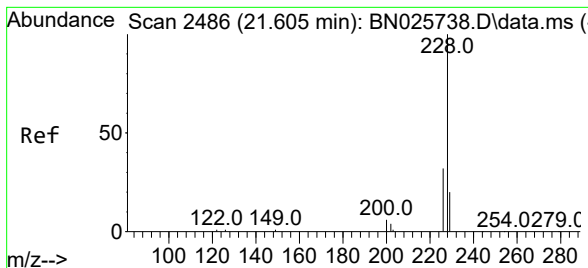
Tgt Ion:244 Resp: 11579
 Ion Ratio Lower Upper
 244 100
 212 14.1 8.6 12.8#
 122 19.8 15.2 22.8



#32
 Benzo(a)anthracene
 Concen: 0.054 ng
 RT: 21.542 min Scan# 2479
 Delta R.T. 0.000 min
 Lab File: BN025866.D
 Acq: 15 Jun 2023 19:56

Tgt Ion:228 Resp: 2319
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.9 34.3
 229 38.8 15.6 23.4#





#33

Chrysene

Concen: 0.060 ng

RT: 21.605 min Scan# 2486

Delta R.T. 0.009 min

Lab File: BN025866.D

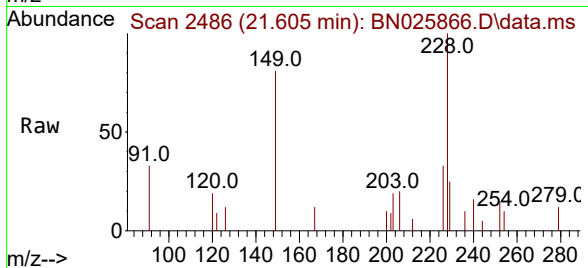
Acq: 15 Jun 2023 19:56

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-75-87-061323



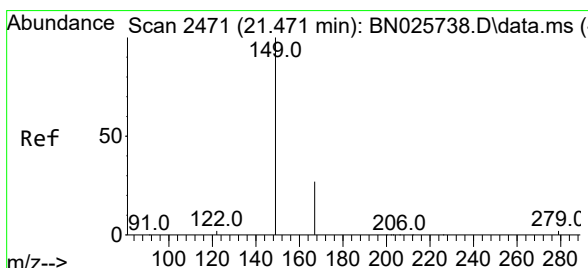
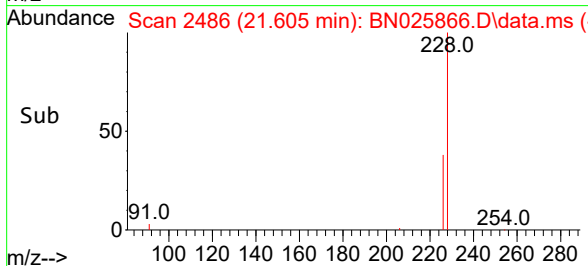
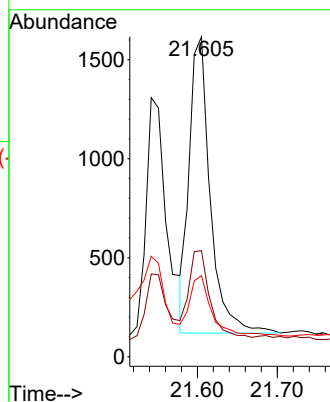
Tgt Ion:228 Resp: 2728

Ion Ratio Lower Upper

228 100

226 33.1 25.4 38.2

229 25.3 16.1 24.1#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.414 ng

RT: 21.462 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

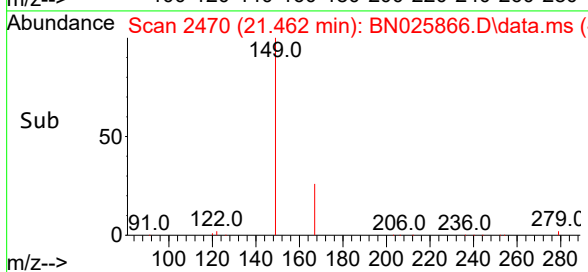
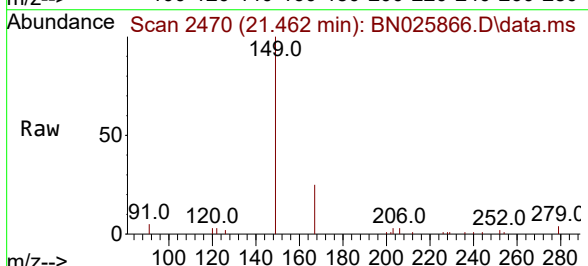
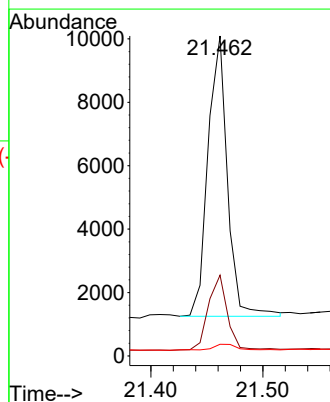
Tgt Ion:149 Resp: 10659

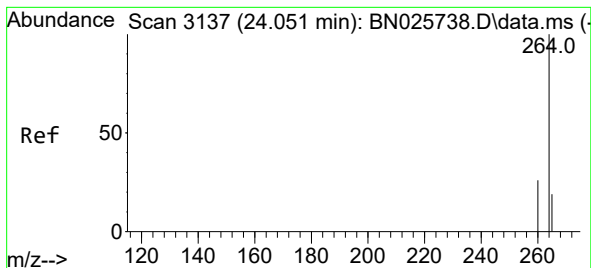
Ion Ratio Lower Upper

149 100

167 26.8 21.0 31.6

279 2.6 2.2 3.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.048 min Scan# 31

Delta R.T. 0.000 min

Lab File: BN025866.D

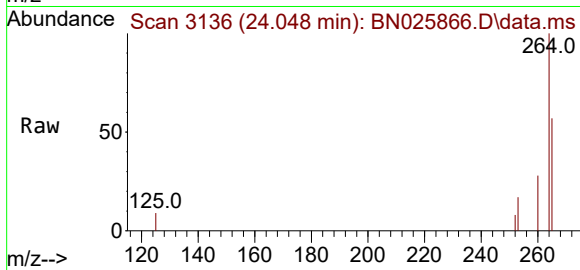
Acq: 15 Jun 2023 19:56

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-75-87-061323



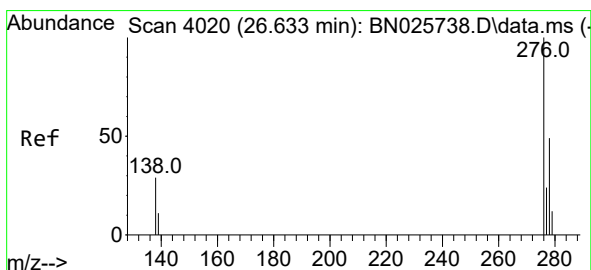
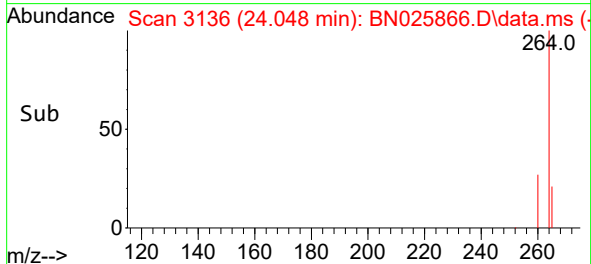
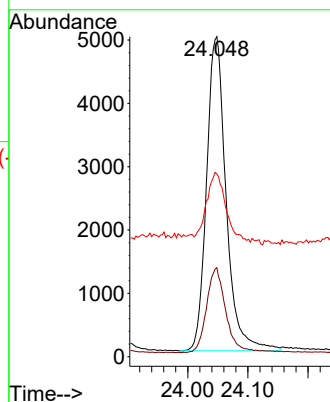
Tgt Ion:264 Resp: 11222

Ion Ratio Lower Upper

264 100

260 27.8 21.4 32.2

265 57.1 44.7 67.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.056 ng

RT: 26.653 min Scan# 4027

Delta R.T. 0.012 min

Lab File: BN025866.D

Acq: 15 Jun 2023 19:56

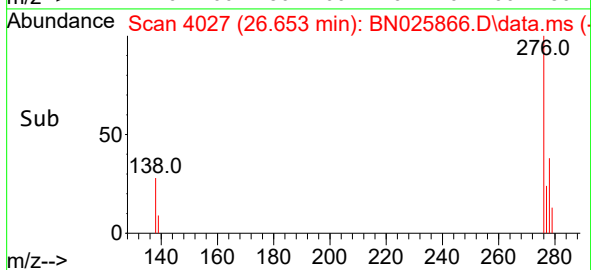
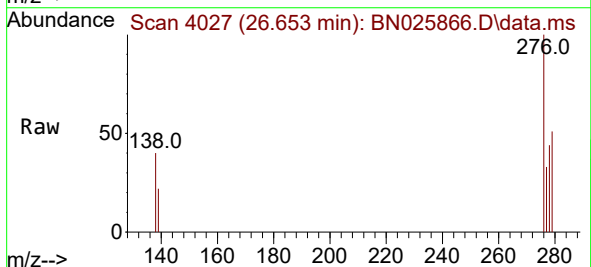
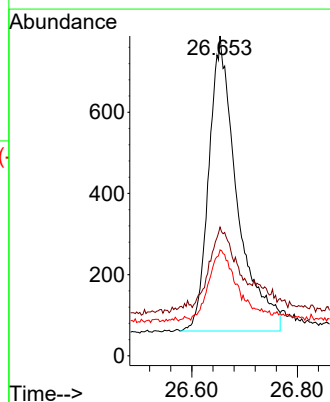
Tgt Ion:276 Resp: 2705

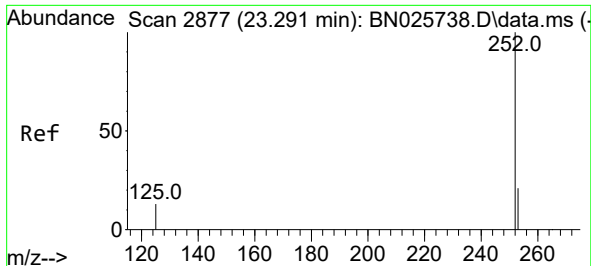
Ion Ratio Lower Upper

276 100

138 25.4 26.1 39.1#

277 24.4 19.4 29.2

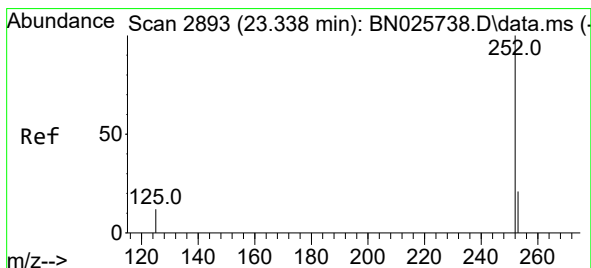
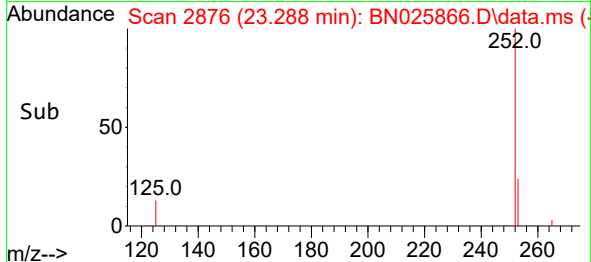
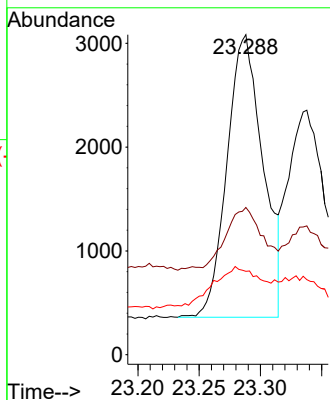
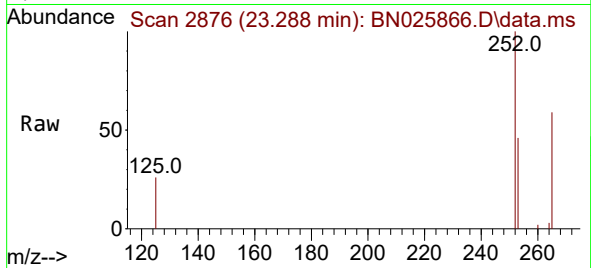




#37
Benzo(b)fluoranthene
Concen: 0.126 ng
RT: 23.288 min Scan# 2876
Delta R.T. 0.006 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

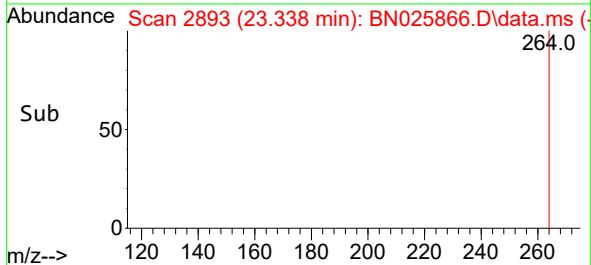
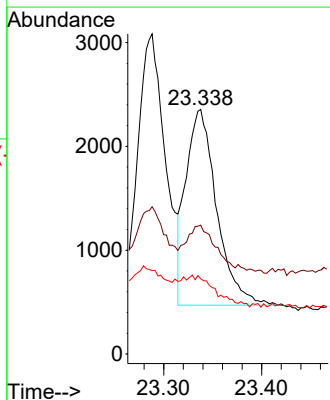
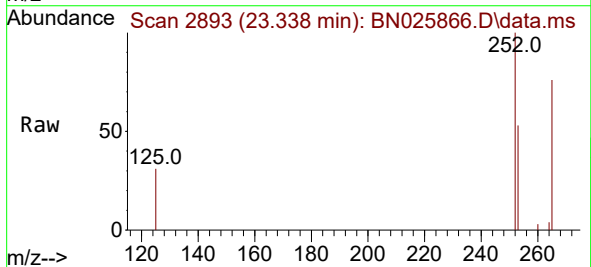
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323

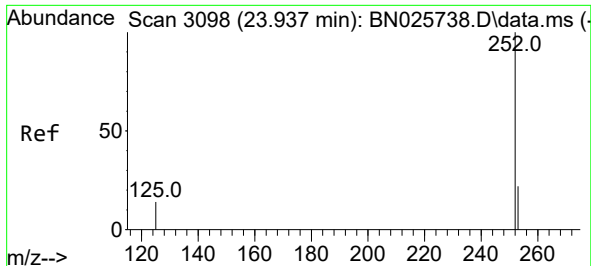
Tgt Ion:252 Resp: 5567
Ion Ratio Lower Upper
252 100
253 46.0 23.4 35.0#
125 26.1 12.3 18.5#



#38
Benzo(k)fluoranthene
Concen: 0.091 ng
RT: 23.338 min Scan# 2893
Delta R.T. 0.009 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion:252 Resp: 4116
Ion Ratio Lower Upper
252 100
253 52.7 24.2 36.4#
125 30.7 12.2 18.2#

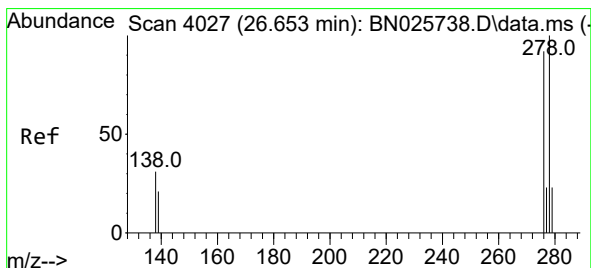
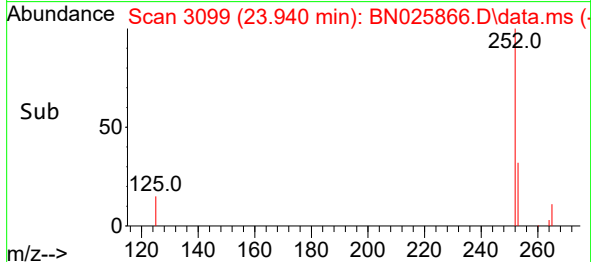
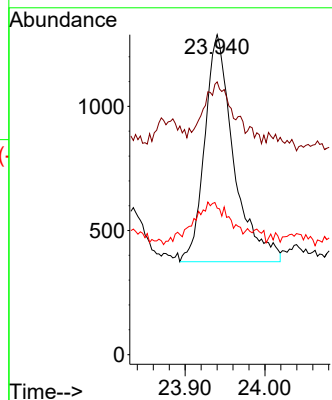
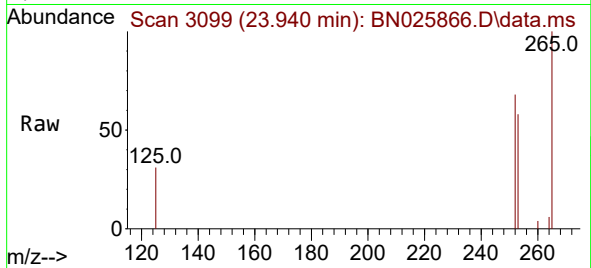




#39
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.940 min Scan# 3098
Delta R.T. 0.003 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

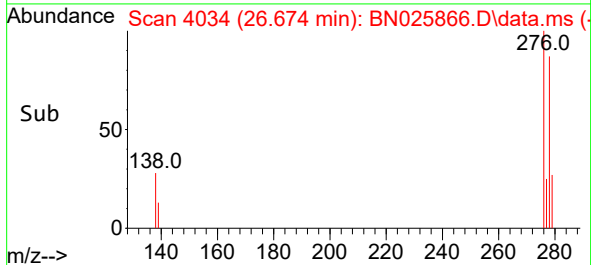
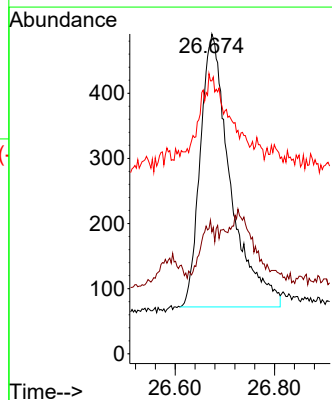
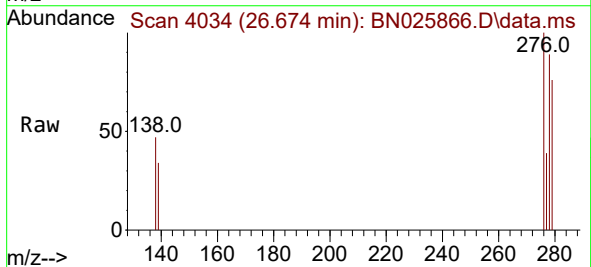
Instrument :
BNA_N
ClientSampleId :
GWOW-BR-05-75-87-061323

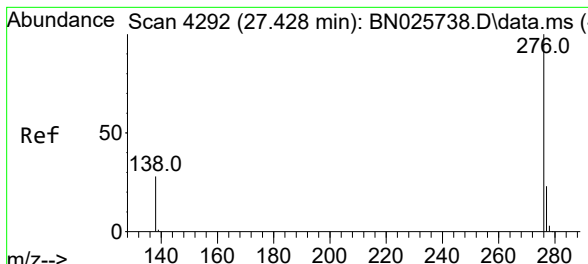
Tgt Ion:252 Resp: 2312
Ion Ratio Lower Upper
252 100
253 85.3 27.5 41.3#
125 45.8 14.6 21.8#



#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 26.674 min Scan# 4034
Delta R.T. 0.012 min
Lab File: BN025866.D
Acq: 15 Jun 2023 19:56

Tgt Ion:278 Resp: 1764
Ion Ratio Lower Upper
278 100
139 38.1 18.7 28.1#
279 85.3 25.1 37.7#





#41

Benzo(g,h,i)perylene

Concen: 0.064 ng

RT: 27.449 min Scan# 41

Delta R.T. 0.003 min

Lab File: BN025866.D

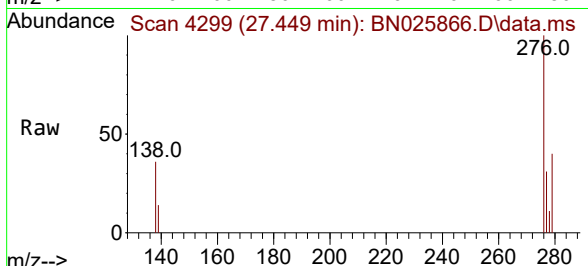
Acq: 15 Jun 2023 19:56

Instrument :

BNA_N

ClientSampleId :

GWOW-BR-05-75-87-061323



Tgt Ion:276 Resp: 2793

Ion Ratio Lower Upper

276 100

277 31.2 20.2 30.2#

138 36.0 24.2 36.4

