

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025856.D
 Acq On : 15 Jun 2023 13:52
 Operator : MA/JU
 Sample : 03123-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-778-780

Quant Time: Jun 16 01:45:09 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)

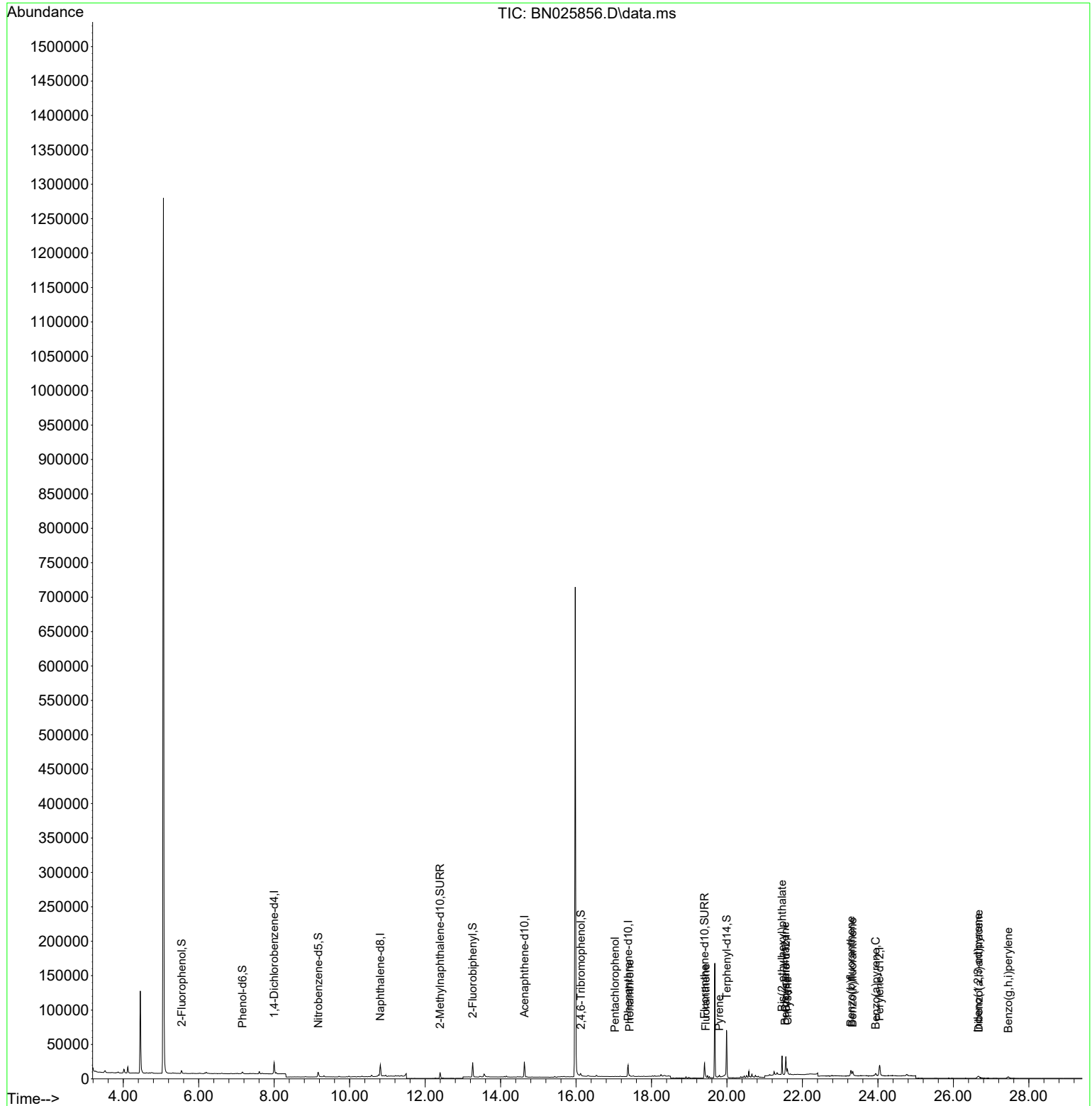
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	8652	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	23165	0.400	ng	0.00
13) Acenaphthene-d10	14.630	164	12606	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	25608	0.400	ng	# 0.00
29) Chrysene-d12	21.560	240	22910	0.400	ng	0.00
35) Perylene-d12	24.045	264	23737	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	3622	0.149	ng	0.01
5) Phenol-d6	7.160	99	2568	0.086	ng	0.00
8) Nitrobenzene-d5	9.170	82	7190	0.334	ng	0.01
11) 2-Methylnaphthalene-d10	12.396	152	11926	0.358	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	1884	0.485	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	19239	0.361	ng	0.00
27) Fluoranthene-d10	19.407	212	24862	0.472	ng	0.00
31) Terphenyl-d14	19.997	244	25296	0.455	ng	0.00
Target Compounds						Qvalue
24) Pentachlorophenol	17.033	266	160	0.034	ng	94
25) Phenanthrene	17.418	178	1613	0.021	ng	# 91
28) Fluoranthene	19.435	202	2377	0.031	ng	# 30
30) Pyrene	19.797	202	2841	0.022	ng	# 81
32) Benzo(a)anthracene	21.542	228	5769	0.065	ng	95
33) Chrysene	21.605	228	7326	0.078	ng	98
34) Bis(2-ethylhexyl)phtha...	21.462	149	25198	0.478	ng	98
36) Indeno(1,2,3-cd)pyrene	26.653	276	5003	0.049	ng	# 79
37) Benzo(b)fluoranthene	23.285	252	11023	0.118	ng	# 84
38) Benzo(k)fluoranthene	23.329	252	9233	0.097	ng	# 80
39) Benzo(a)pyrene	23.940	252	5280	0.060	ng	# 61
40) Dibenzo(a,h)anthracene	26.671	278	3820	0.046	ng	# 67
41) Benzo(g,h,i)perylene	27.454	276	4786	0.052	ng	91

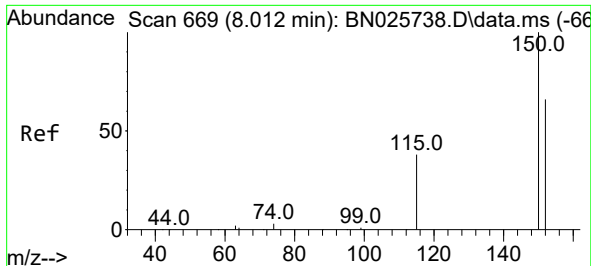
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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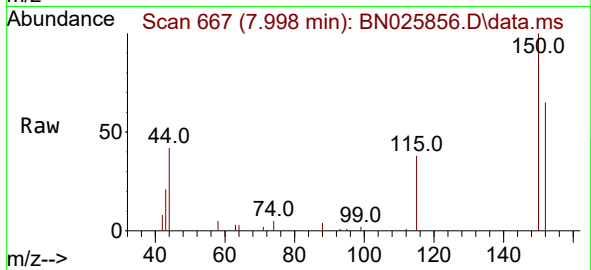
Quant Time: Jun 16 01:45:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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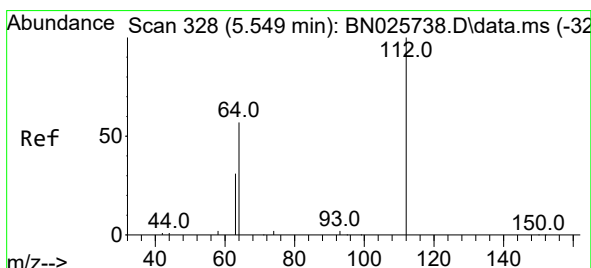
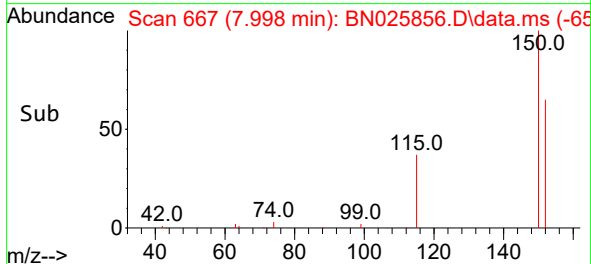
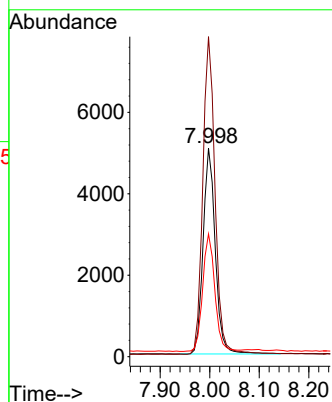


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 669
Delta R.T. -0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-778-780

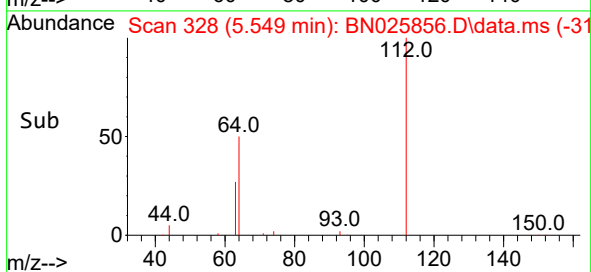
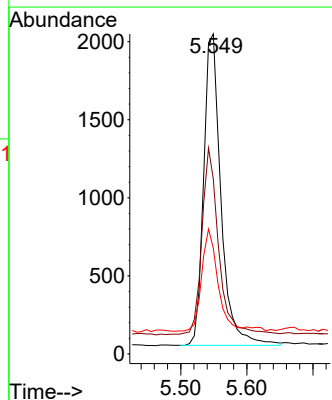
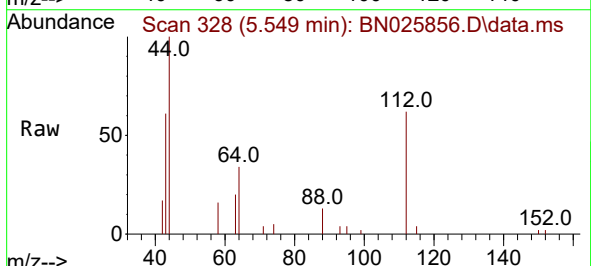


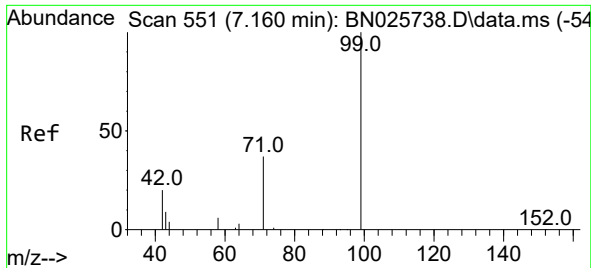
Tgt Ion:152 Resp: 8652
Ion Ratio Lower Upper
152 100
150 153.5 121.5 182.3
115 58.8 47.7 71.5



#4
2-Fluorophenol
Concen: 0.149 ng
RT: 5.549 min Scan# 328
Delta R.T. 0.014 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Tgt Ion:112 Resp: 3622
Ion Ratio Lower Upper
112 100
64 59.0 47.5 71.3
63 30.4 26.2 39.4

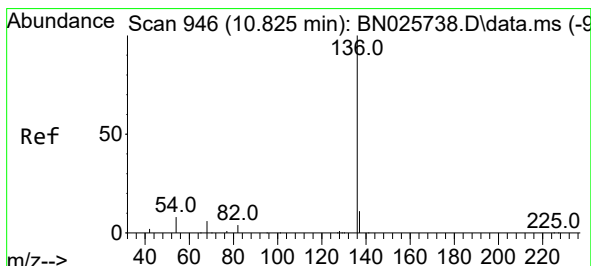
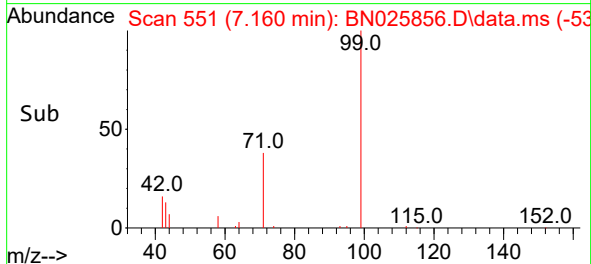
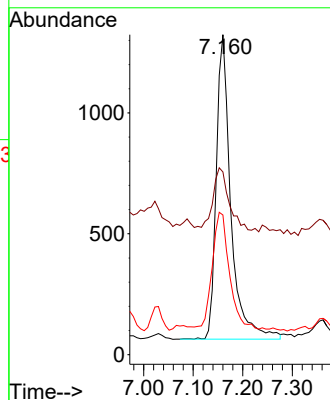
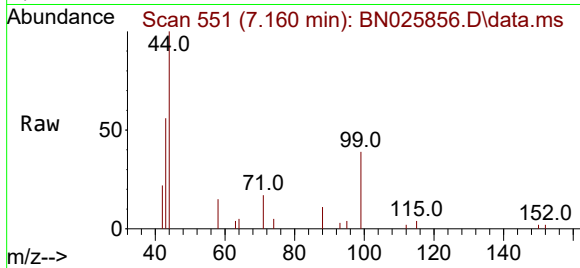




#5
Phenol-d6
Concen: 0.086 ng
RT: 7.160 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

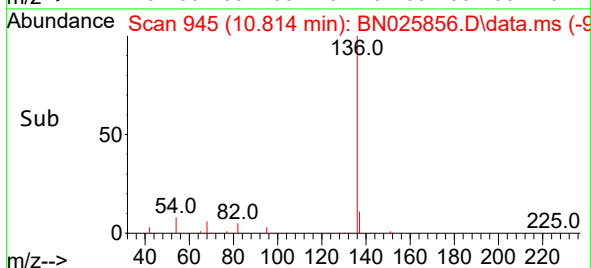
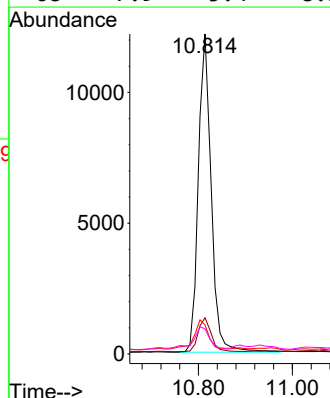
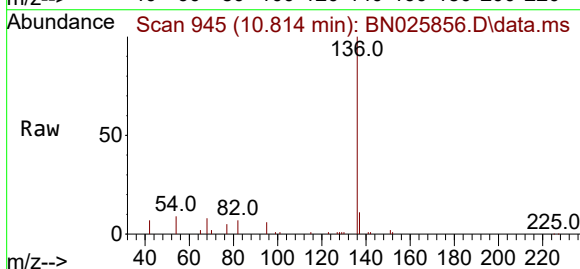
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-778-780

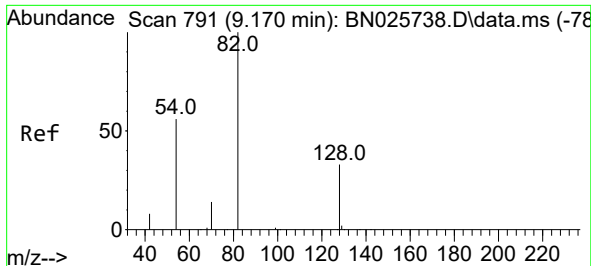
Tgt Ion: 99 Resp: 2568
Ion Ratio Lower Upper
99 100
42 22.2 18.6 28.0
71 45.0 30.5 45.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Tgt Ion: 136 Resp: 23165
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 9.1 7.2 10.8
68 7.9 5.4 8.2

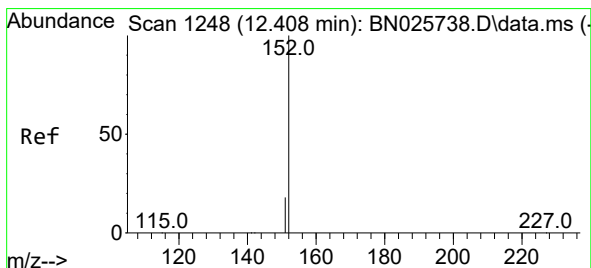
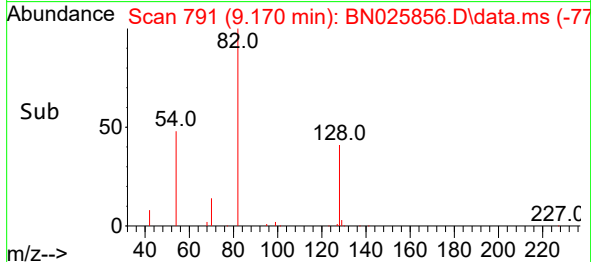
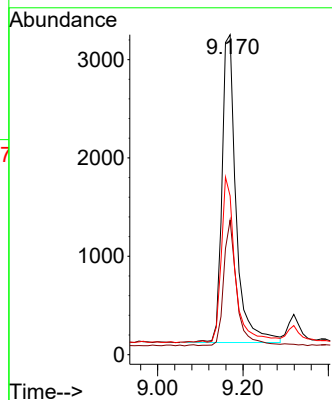
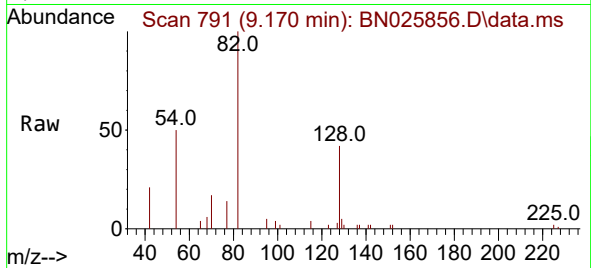




#8
 Nitrobenzene-d5
 Concen: 0.334 ng
 RT: 9.170 min Scan# 791
 Delta R.T. 0.011 min
 Lab File: BN025856.D
 Acq: 15 Jun 2023 13:52

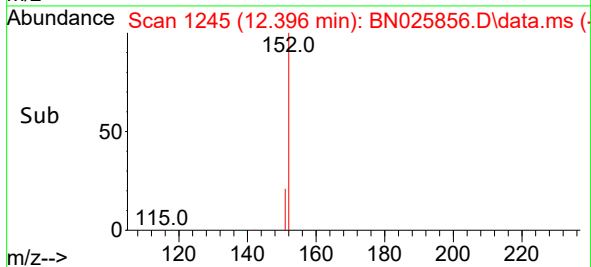
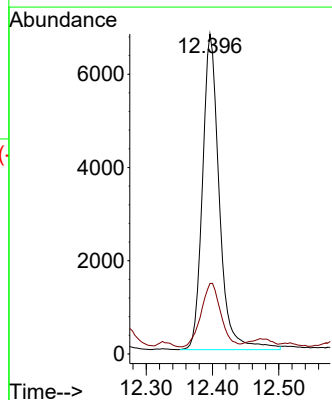
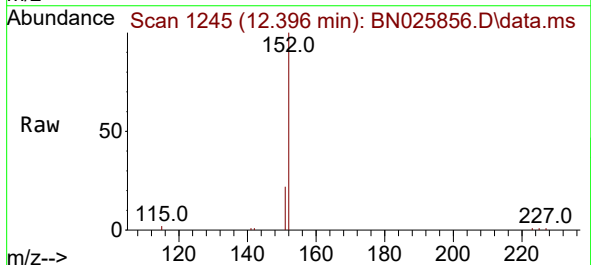
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-778-780

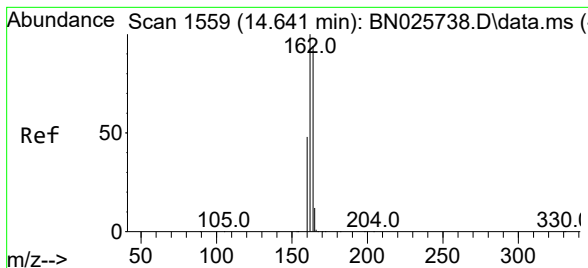
Tgt Ion: 82 Resp: 7190
 Ion Ratio Lower Upper
 82 100
 128 42.0 27.6 41.4#
 54 49.6 45.7 68.5



#11
 2-Methylnaphthalene-d10
 Concen: 0.358 ng
 RT: 12.396 min Scan# 1245
 Delta R.T. 0.000 min
 Lab File: BN025856.D
 Acq: 15 Jun 2023 13:52

Tgt Ion: 152 Resp: 11926
 Ion Ratio Lower Upper
 152 100
 151 23.5 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: BN025856.D

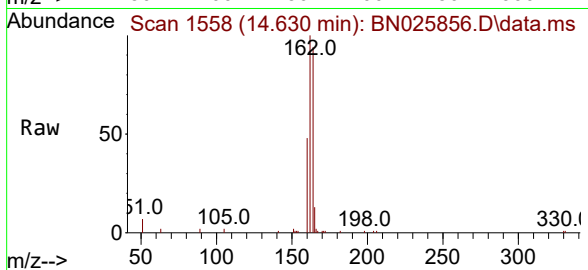
Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-778-780



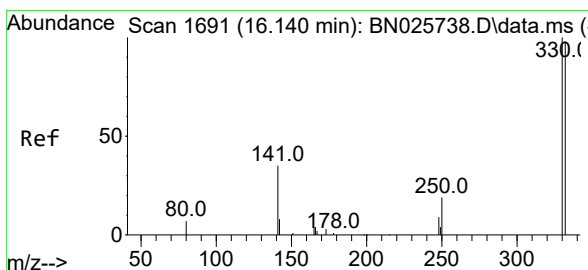
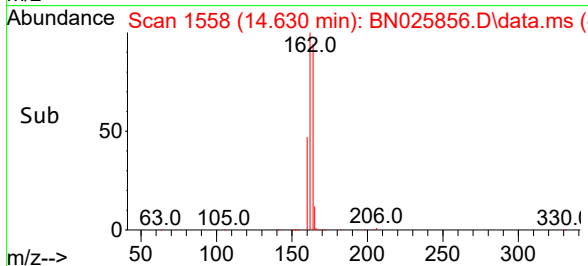
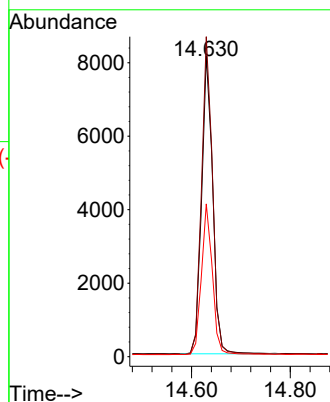
Tgt Ion:164 Resp: 12606

Ion Ratio Lower Upper

164 100

162 106.3 85.0 127.6

160 50.8 41.1 61.7



#14

2,4,6-Tribromophenol

Concen: 0.485 ng

RT: 16.127 min Scan# 1690

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

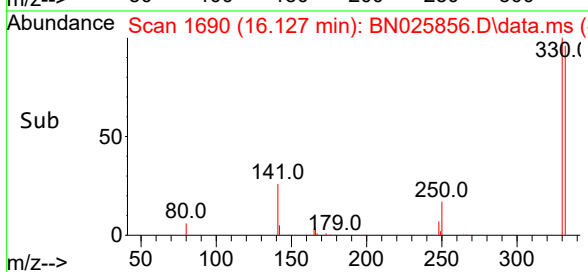
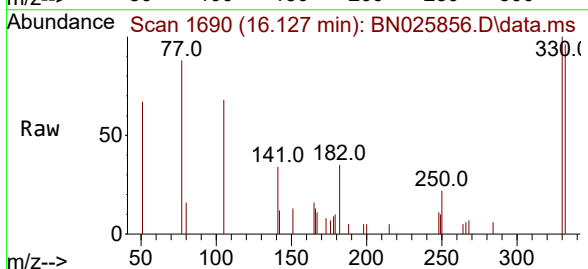
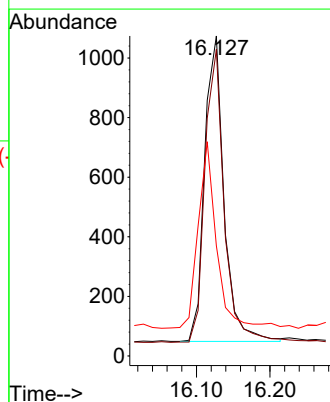
Tgt Ion:330 Resp: 1884

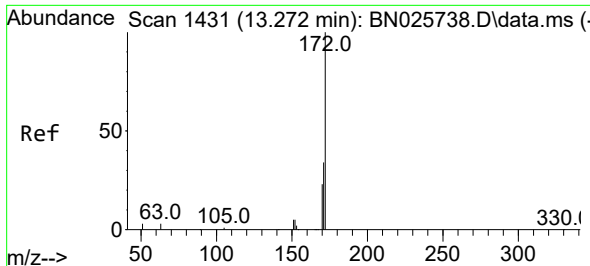
Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 57.8 55.0 82.6

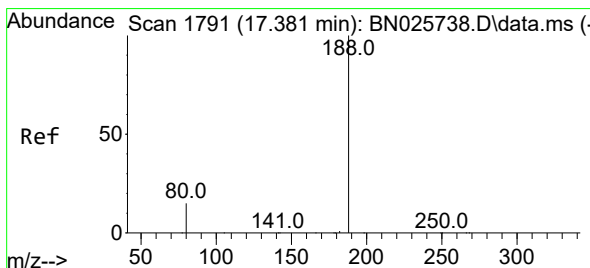
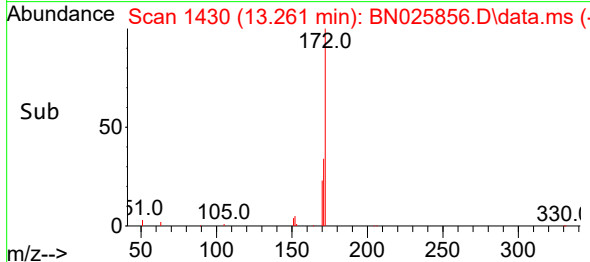
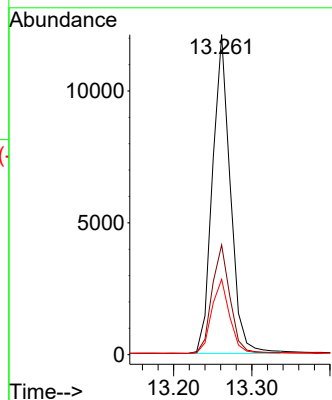
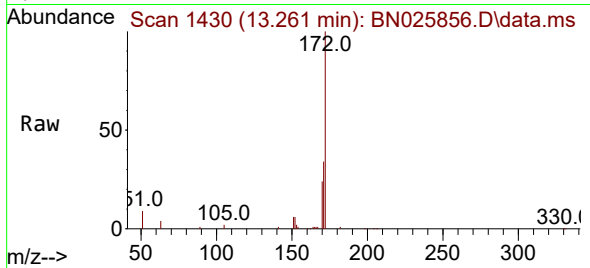




#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.261 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

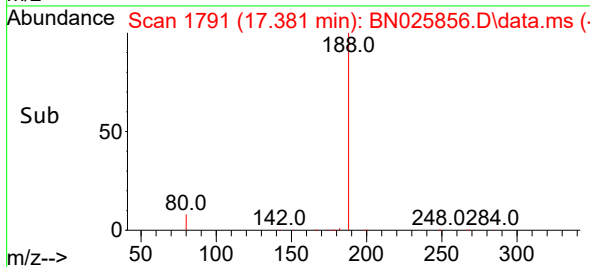
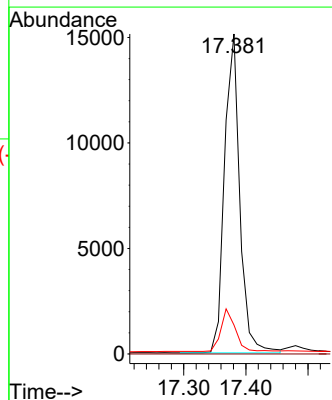
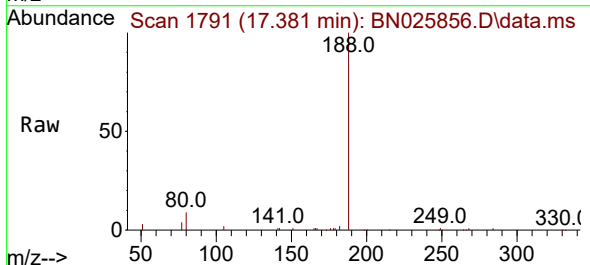
Instrument :
BNA_N
ClientSampleId :
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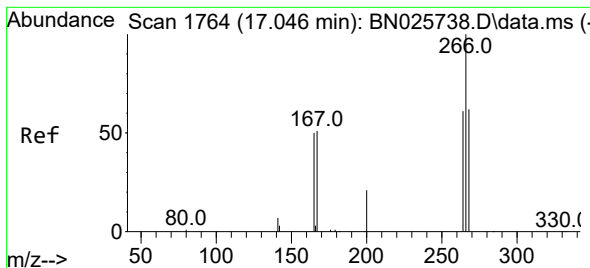
Tgt Ion:	172	Resp:	19239
Ion Ratio	Lower	Upper	
172	100		
171	34.3	27.3	40.9
170	23.6	18.6	28.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.381 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Tgt Ion:	188	Resp:	25608
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	12.1	18.1





#24

Pentachlorophenol

Concen: 0.034 ng

RT: 17.033 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-778-780

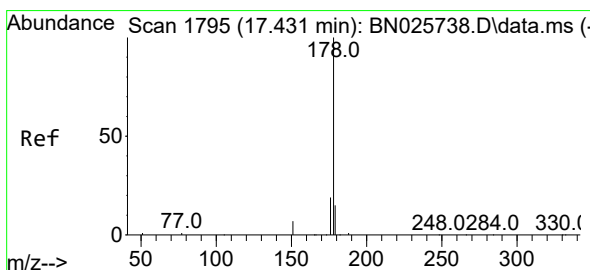
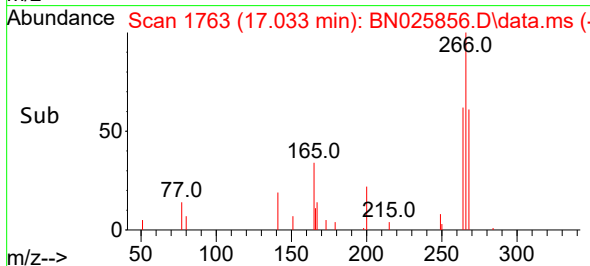
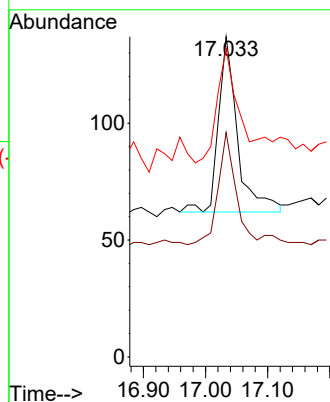
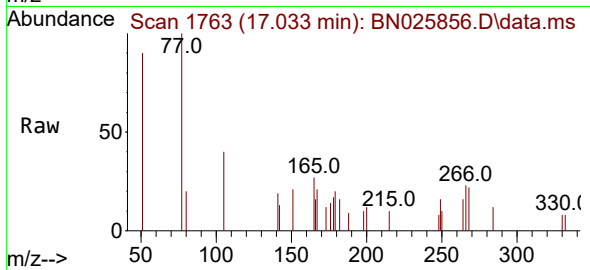
Tgt Ion:266 Resp: 160

Ion Ratio Lower Upper

266 100

264 59.4 48.6 73.0

268 72.5 51.8 77.6



#25

Phenanthrene

Concen: 0.021 ng

RT: 17.418 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

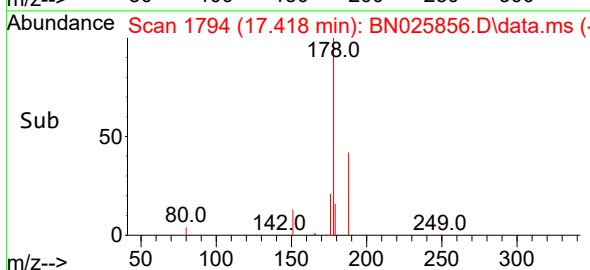
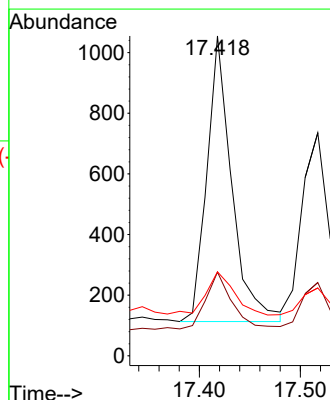
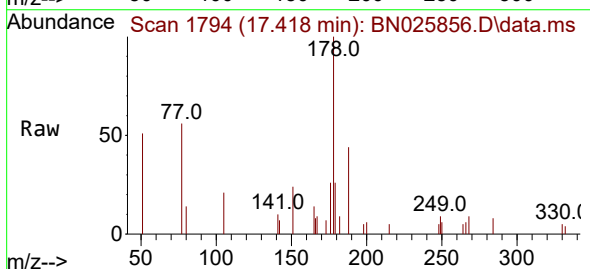
Tgt Ion:178 Resp: 1613

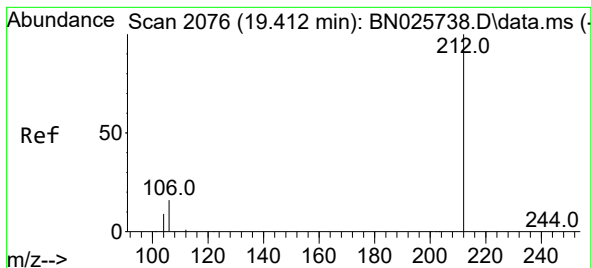
Ion Ratio Lower Upper

178 100

176 24.1 15.7 23.5#

179 18.0 12.2 18.2





#27

Fluoranthene-d10

Concen: 0.472 ng

RT: 19.407 min Scan# 2076

Delta R.T. 0.005 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

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BP-VPB-RW11-GW-778-780

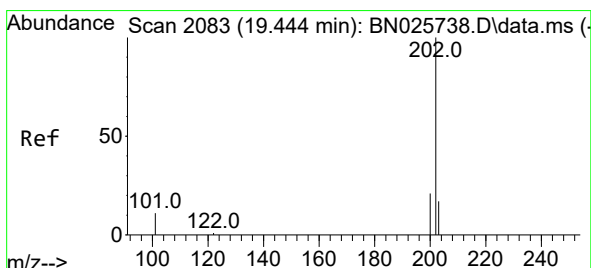
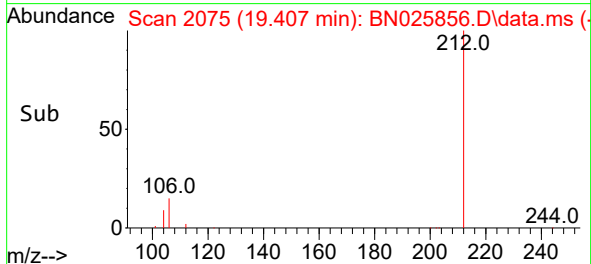
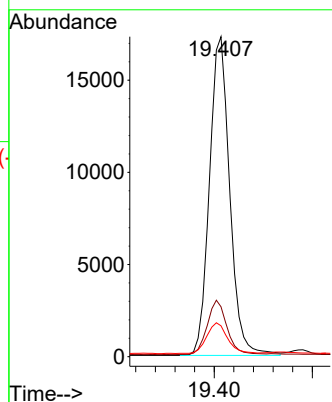
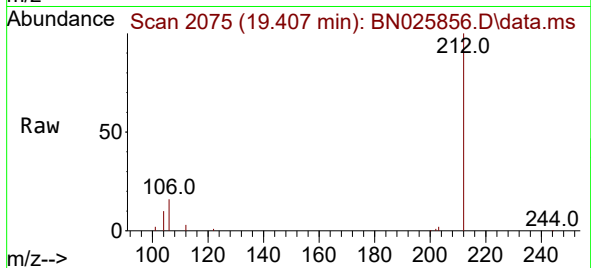
Tgt Ion:212 Resp: 24862

Ion Ratio Lower Upper

212 100

106 16.5 13.0 19.6

104 9.9 7.7 11.5



#28

Fluoranthene

Concen: 0.031 ng

RT: 19.435 min Scan# 2081

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

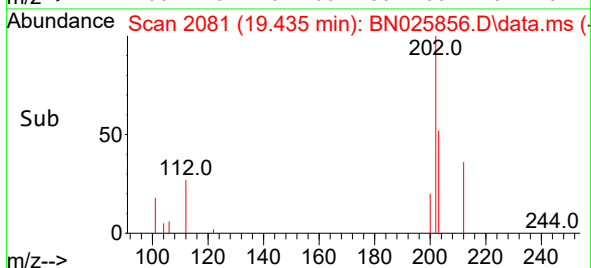
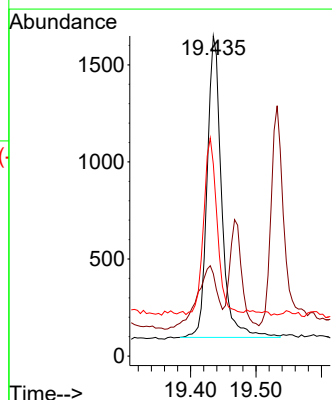
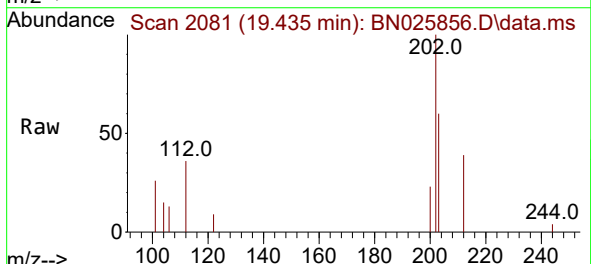
Tgt Ion:202 Resp: 2377

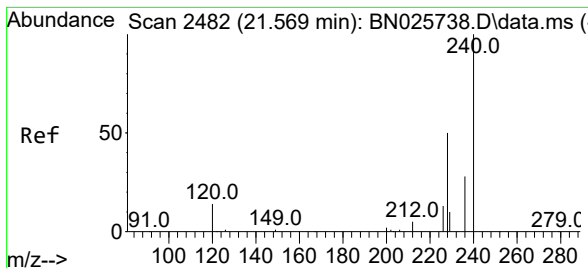
Ion Ratio Lower Upper

202 100

101 29.7 9.8 14.8#

203 55.1 13.4 20.2#





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.560 min Scan# 2481

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-778-780

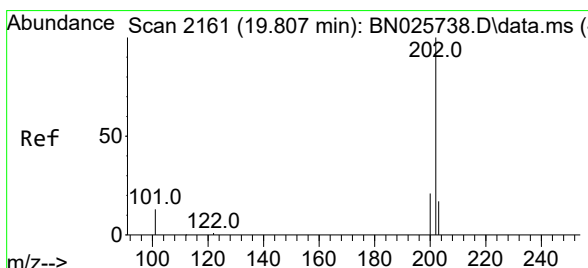
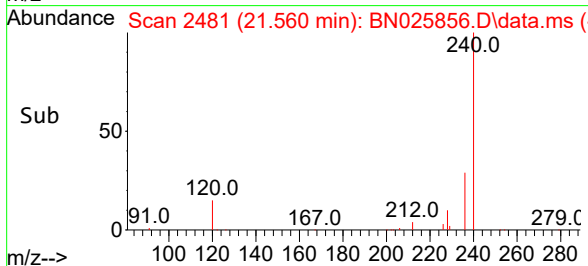
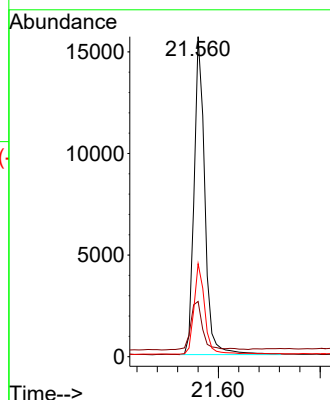
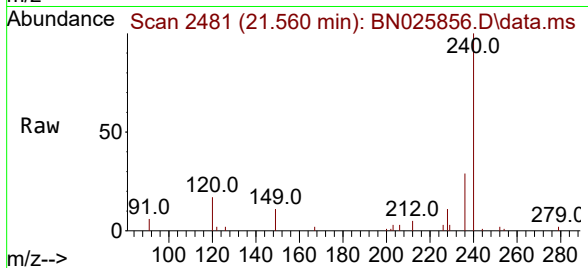
Tgt Ion:240 Resp: 22910

Ion Ratio Lower Upper

240 100

120 17.3 13.2 19.8

236 29.0 23.1 34.7



#30

Pyrene

Concen: 0.022 ng

RT: 19.797 min Scan# 2159

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

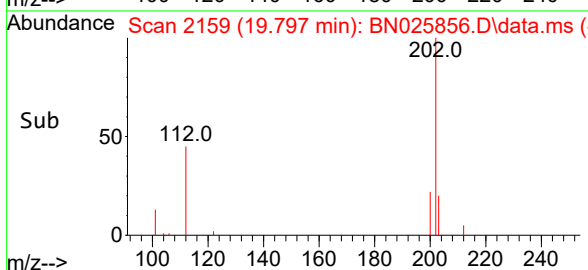
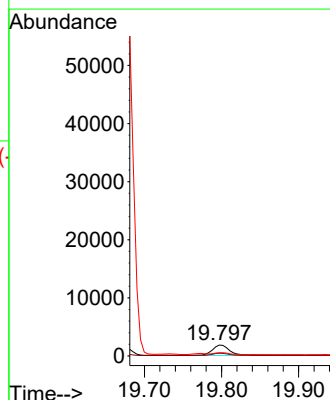
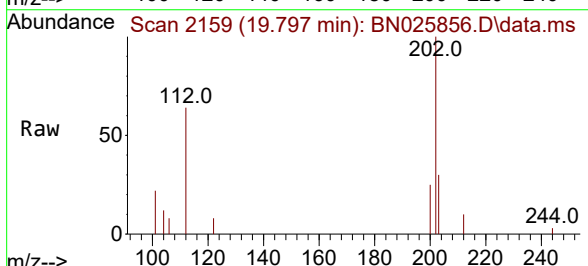
Tgt Ion:202 Resp: 2841

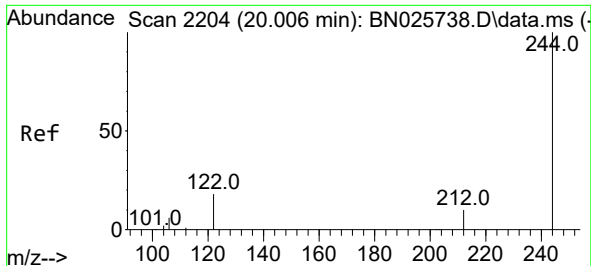
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 0.0 14.2 21.2#

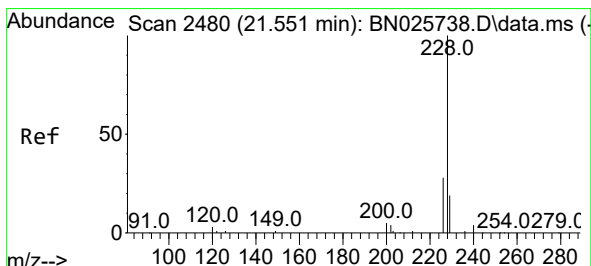
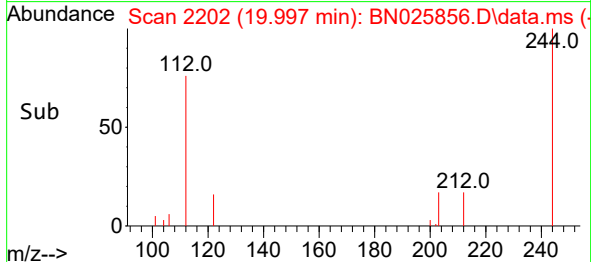
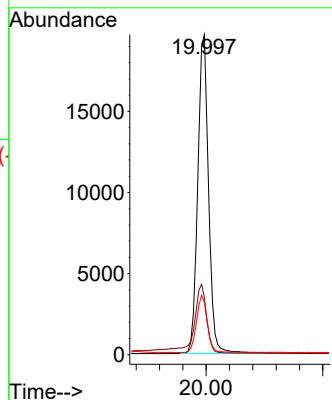
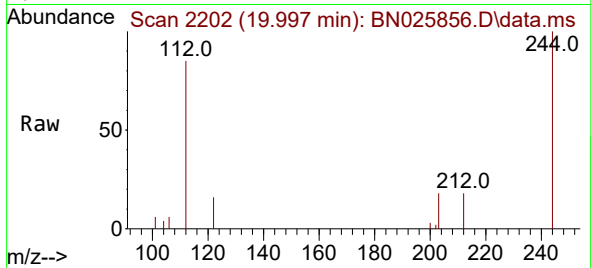




#31
Terphenyl-d14
Concen: 0.455 ng
RT: 19.997 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

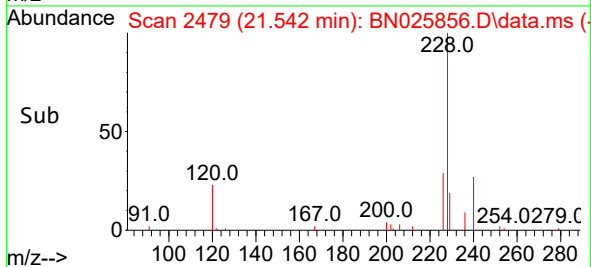
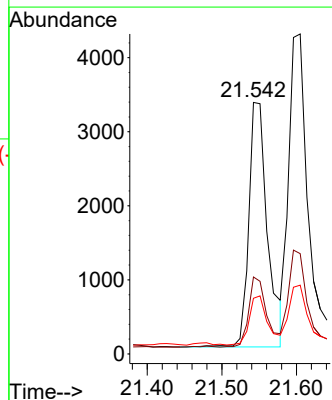
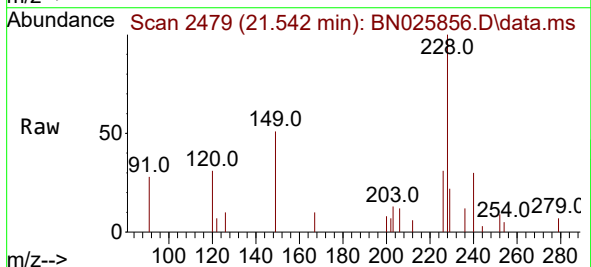
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-778-780

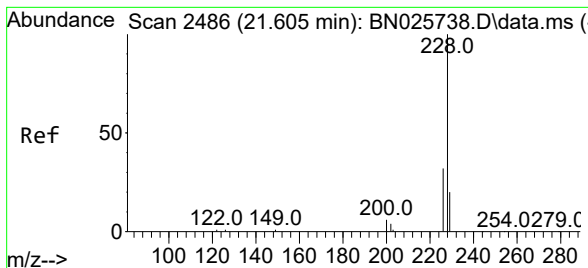
Tgt Ion:244 Resp: 25296
Ion Ratio Lower Upper
244 100
212 17.9 8.6 12.8#
122 16.4 15.2 22.8



#32
Benzo(a)anthracene
Concen: 0.065 ng
RT: 21.542 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Tgt Ion:228 Resp: 5769
Ion Ratio Lower Upper
228 100
226 30.6 22.9 34.3
229 22.1 15.6 23.4





#33

Chrysene

Concen: 0.078 ng

RT: 21.605 min Scan# 2486

Delta R.T. 0.009 min

Lab File: BN025856.D

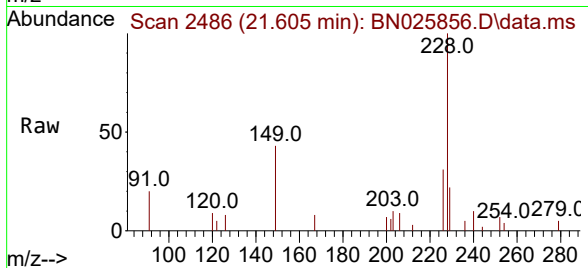
Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-778-780



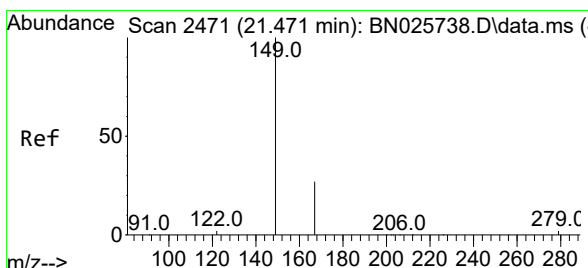
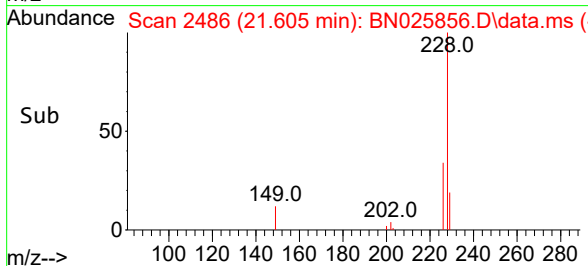
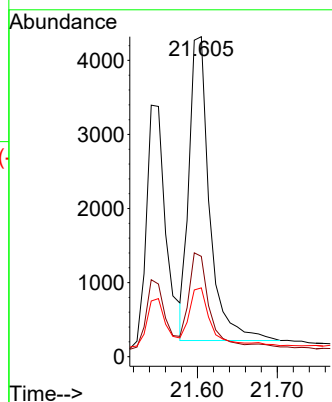
Tgt Ion:228 Resp: 7326

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.2

229 21.5 16.1 24.1



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.478 ng

RT: 21.462 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

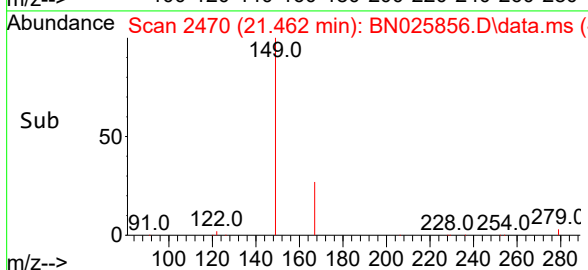
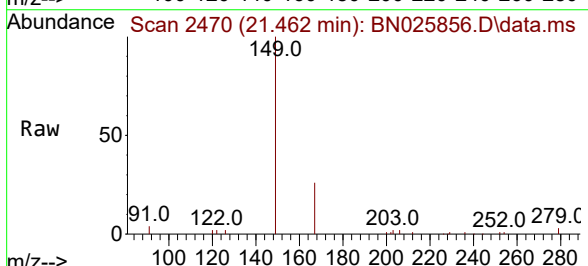
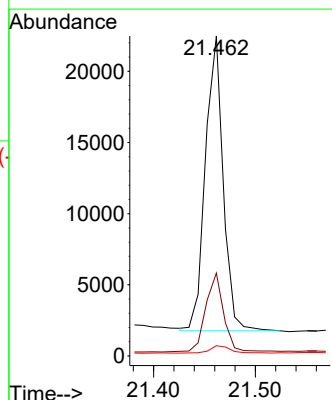
Tgt Ion:149 Resp: 25198

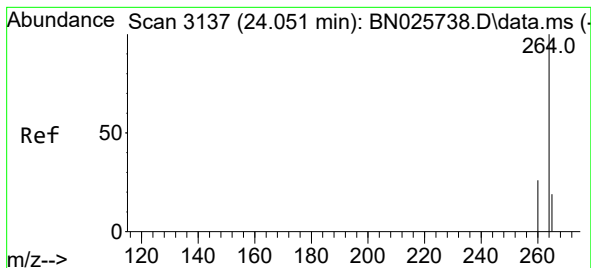
Ion Ratio Lower Upper

149 100

167 27.2 21.0 31.6

279 3.2 2.2 3.4





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.045 min Scan# 3137

Delta R.T. -0.003 min

Lab File: BN025856.D

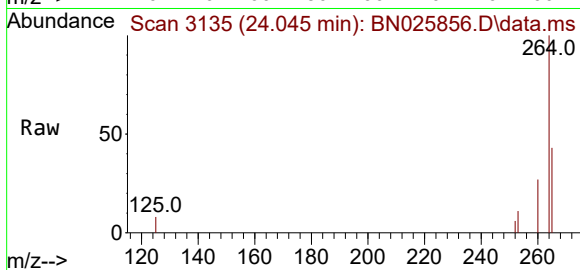
Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-778-780



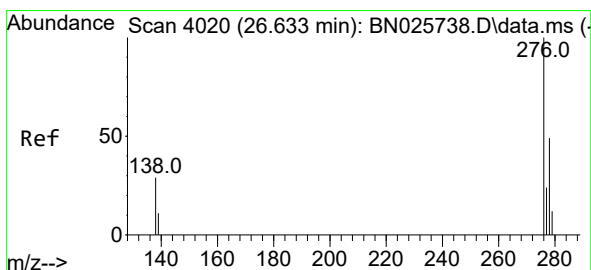
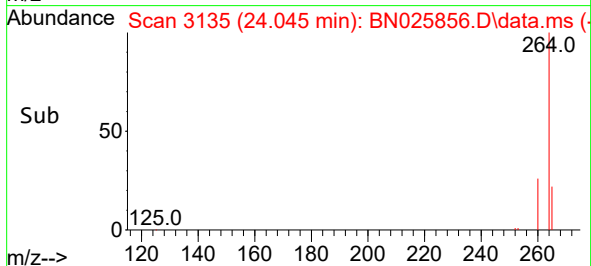
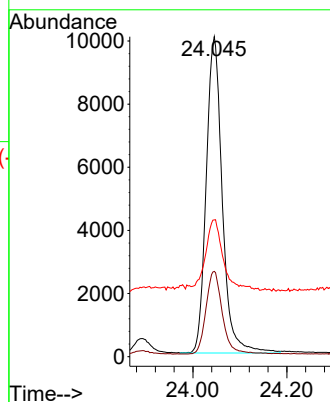
Tgt Ion:264 Resp: 23737

Ion Ratio Lower Upper

264 100

260 26.7 21.4 32.2

265 42.7 44.7 67.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.049 ng

RT: 26.653 min Scan# 4027

Delta R.T. 0.012 min

Lab File: BN025856.D

Acq: 15 Jun 2023 13:52

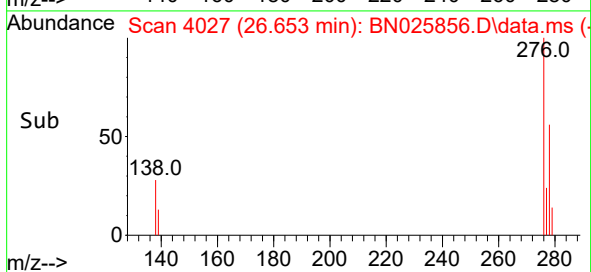
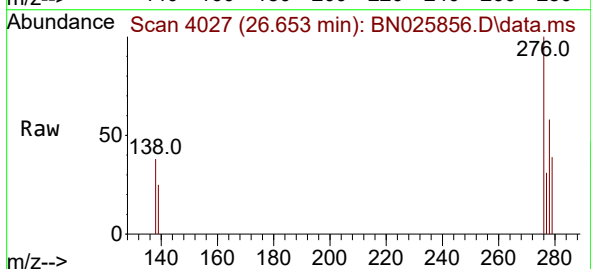
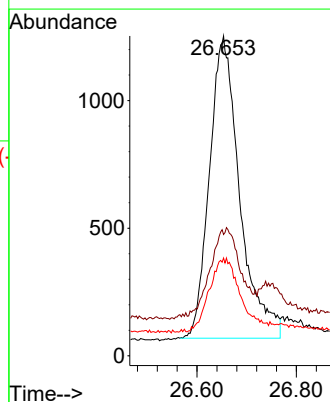
Tgt Ion:276 Resp: 5003

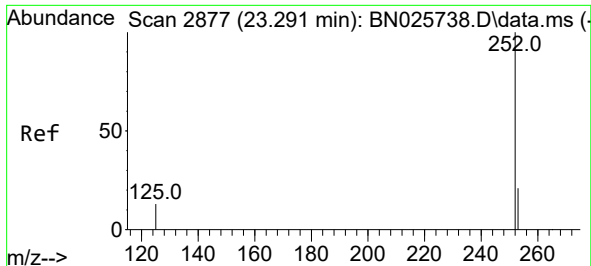
Ion Ratio Lower Upper

276 100

138 13.1 26.1 39.1#

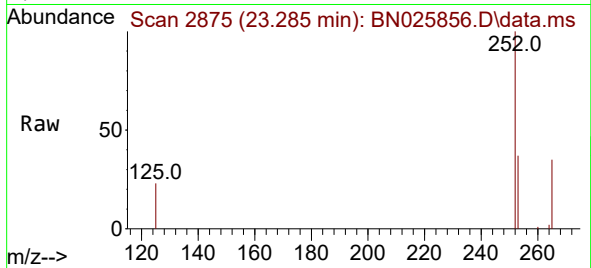
277 25.1 19.4 29.2



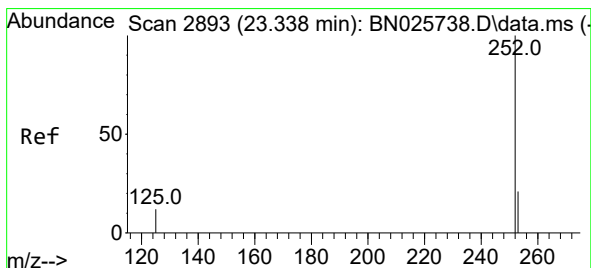
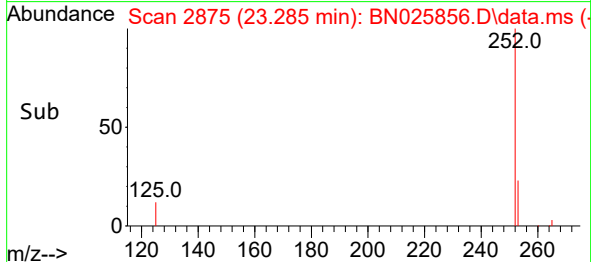
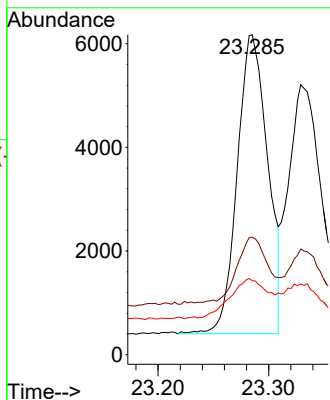


#37
Benzo(b)fluoranthene
Concen: 0.118 ng
RT: 23.285 min Scan# 2875
Delta R.T. 0.003 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-778-780

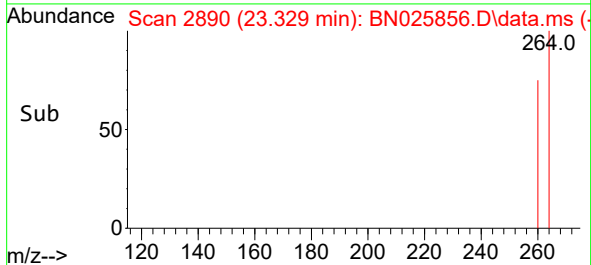
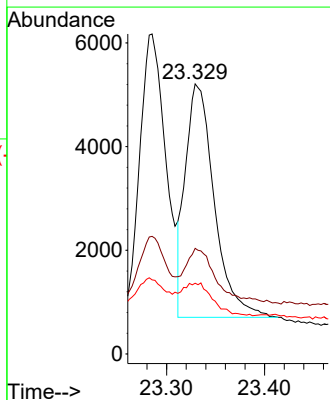
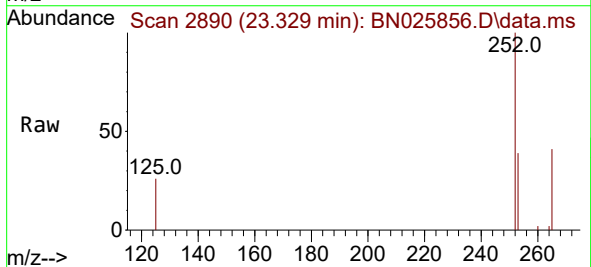


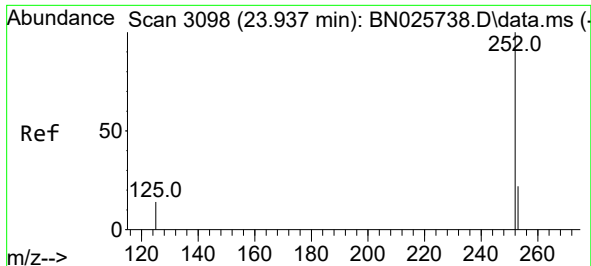
Tgt Ion:252 Resp: 11023
Ion Ratio Lower Upper
252 100
253 36.8 23.4 35.0#
125 23.1 12.3 18.5#



#38
Benzo(k)fluoranthene
Concen: 0.097 ng
RT: 23.329 min Scan# 2890
Delta R.T. 0.000 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Tgt Ion:252 Resp: 9233
Ion Ratio Lower Upper
252 100
253 39.1 24.2 36.4#
125 26.2 12.2 18.2#

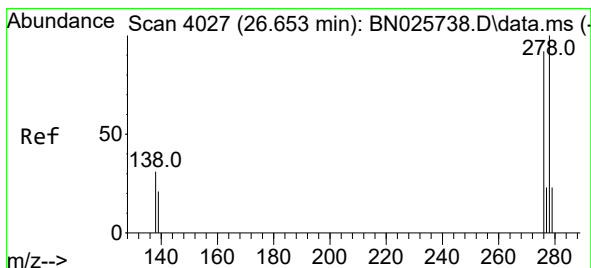
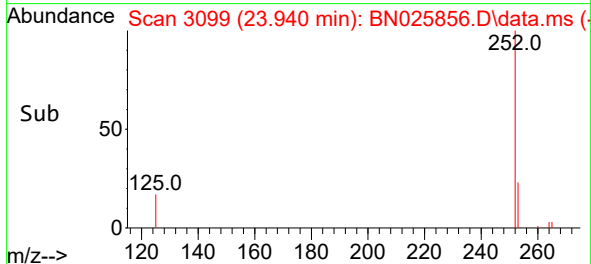
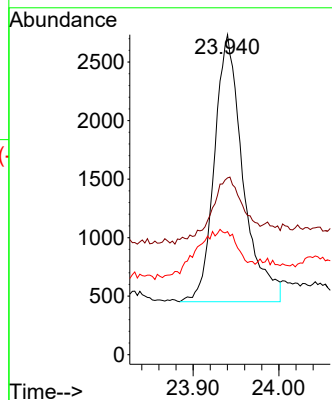
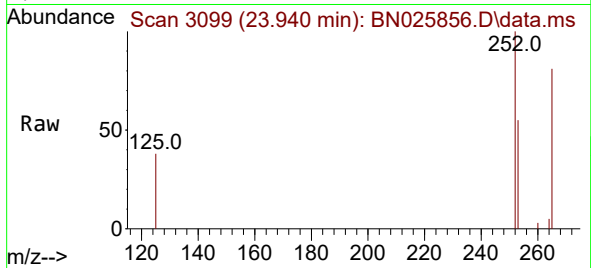




#39
Benzo(a)pyrene
Concen: 0.060 ng
RT: 23.940 min Scan# 3098
Delta R.T. 0.003 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

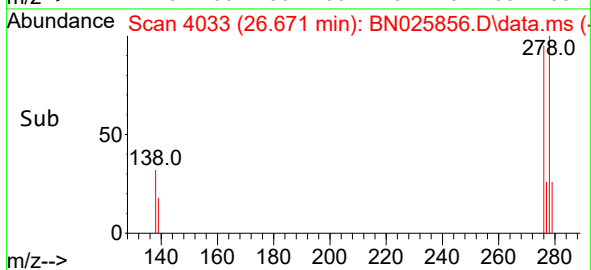
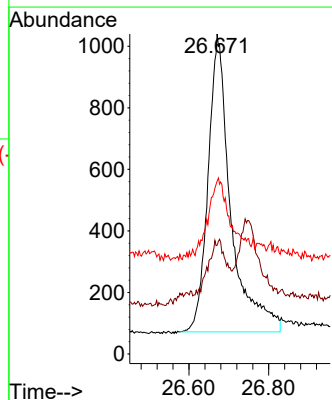
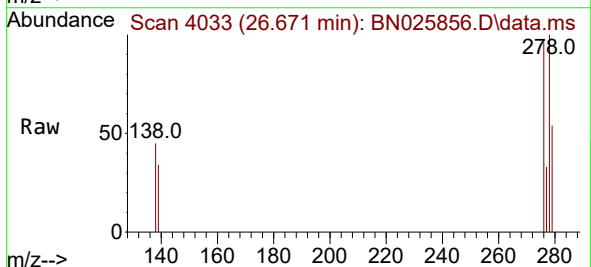
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-778-780

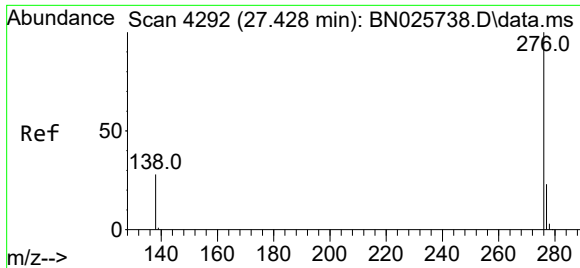
Tgt Ion:252 Resp: 5280
Ion Ratio Lower Upper
252 100
253 55.2 27.5 41.3#
125 38.4 14.6 21.8#



#40
Dibenzo(a,h)anthracene
Concen: 0.046 ng
RT: 26.671 min Scan# 4033
Delta R.T. 0.009 min
Lab File: BN025856.D
Acq: 15 Jun 2023 13:52

Tgt Ion:278 Resp: 3820
Ion Ratio Lower Upper
278 100
139 34.0 18.7 28.1#
279 54.0 25.1 37.7#





#41

Benzo(g,h,i)perylene

Concen: 0.052 ng

RT: 27.454 min Scan# 41

Delta R.T. 0.009 min

Lab File: BN025856.D

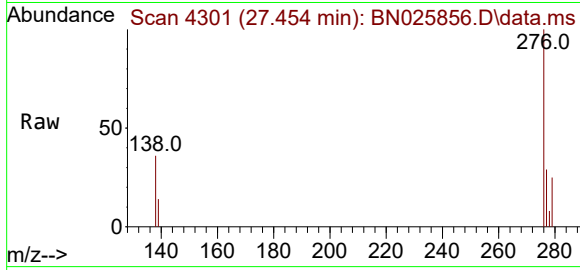
Acq: 15 Jun 2023 13:52

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-778-780



Tgt Ion:276 Resp: 4786

Ion Ratio Lower Upper

276 100

277 28.9 20.2 30.2

138 36.3 24.2 36.4

