

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025855.D
 Acq On : 15 Jun 2023 13:16
 Operator : MA/JU
 Sample : 03123-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-718-720

Quant Time: Jun 16 01:44:54 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

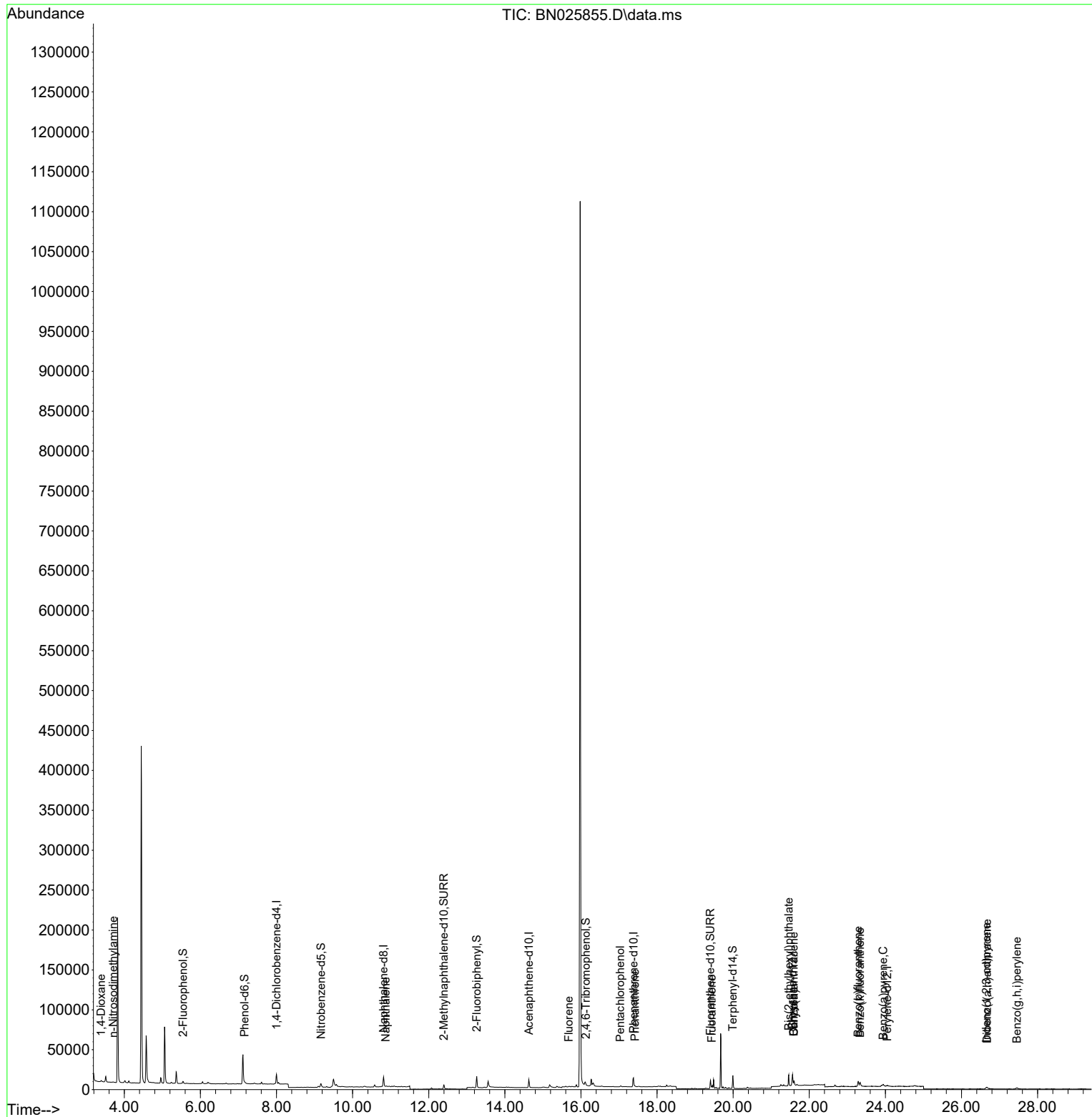
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	6442	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	17212	0.400	ng	0.00
13) Acenaphthene-d10	14.630	164	5515	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	17298	0.400	ng	# 0.00
29) Chrysene-d12	21.560	240	11767	0.400	ng	0.00
35) Perylene-d12	24.048	264	1233	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.542	112	2452	0.135	ng	0.00
5) Phenol-d6	7.160	99	1551	0.070	ng	0.00
8) Nitrobenzene-d5	9.170	82	5228	0.327	ng	0.01
11) 2-Methylnaphthalene-d10	12.396	152	7653	0.309	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	1088	0.640	ng	0.00
15) 2-Fluorobiphenyl	13.262	172	12615	0.541	ng	0.00
27) Fluoranthene-d10	19.402	212	11800	0.332	ng	0.00
31) Terphenyl-d14	19.992	244	14289	0.501	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.390	88	1328	0.176	ng	# 74
3) n-Nitrosodimethylamine	3.708	42	327	0.034	ng	# 1
9) Naphthalene	10.867	128	1111	0.022	ng	# 60
18) Fluorene	15.680	166	777	0.035	ng	# 61
24) Pentachlorophenol	17.033	266	158	0.049	ng	# 1
25) Phenanthrene	17.418	178	1098	0.021	ng	# 83
28) Fluoranthene	19.435	202	1290	0.025	ng	# 36
32) Benzo(a)anthracene	21.596	228	5885	0.130	ng	94
33) Chrysene	21.596	228	5663	0.118	ng	98
34) Bis(2-ethylhexyl)phtha...	21.462	149	14167	0.524	ng	98
36) Indeno(1,2,3-cd)pyrene	26.656	276	3376	0.633	ng	97
37) Benzo(b)fluoranthene	23.285	252	8851	1.820	ng	# 82
38) Benzo(k)fluoranthene	23.335	252	7537	1.517	ng	# 77
39) Benzo(a)pyrene	23.943	252	4364	0.947	ng	# 38
40) Dibenzo(a,h)anthracene	26.677	278	2524	0.590	ng	# 56
41) Benzo(g,h,i)perylene	27.457	276	3363	0.703	ng	# 84

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

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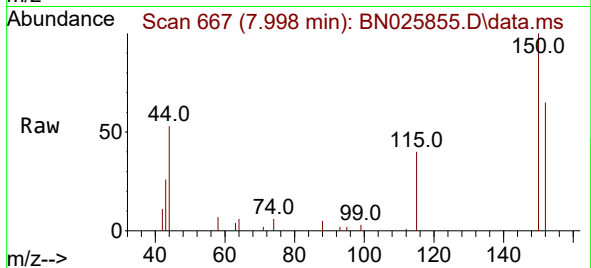
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
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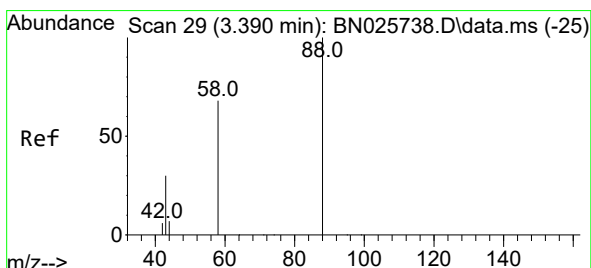
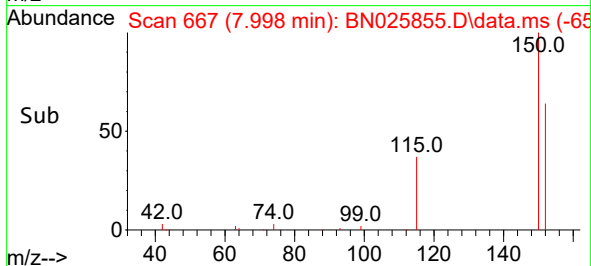
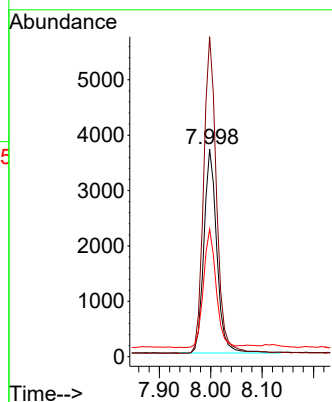


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 669
Delta R.T. -0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

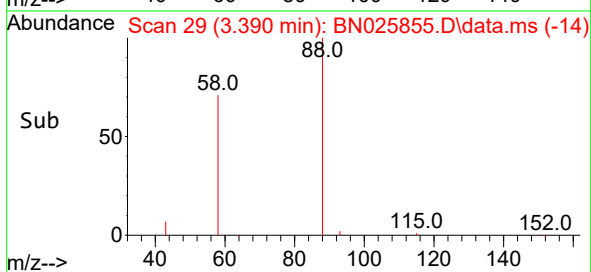
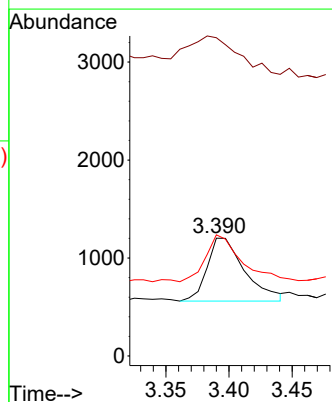
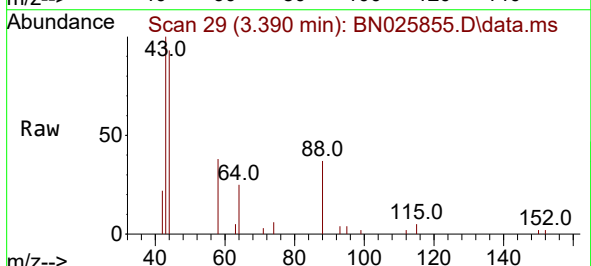


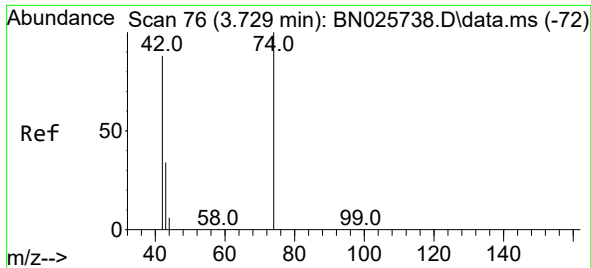
Tgt Ion:152 Resp: 6442
Ion Ratio Lower Upper
152 100
150 154.2 121.5 182.3
115 61.5 47.7 71.5



#2
1,4-Dioxane
Concen: 0.176 ng
RT: 3.390 min Scan# 29
Delta R.T. 0.007 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion: 88 Resp: 1328
Ion Ratio Lower Upper
88 100
43 83.8 31.0 46.4#
58 71.5 57.3 85.9

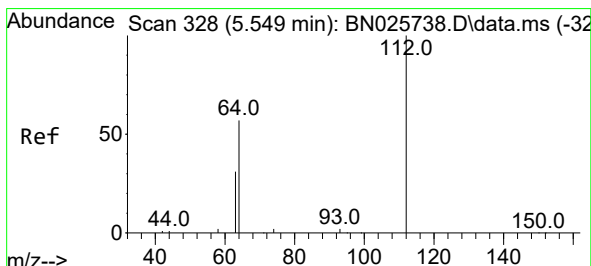
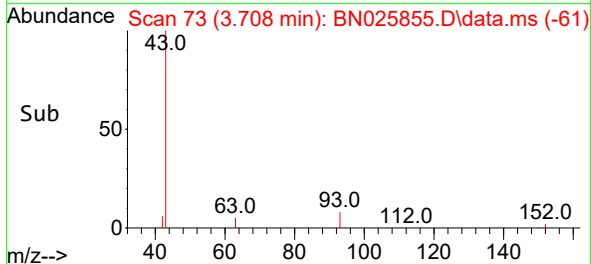
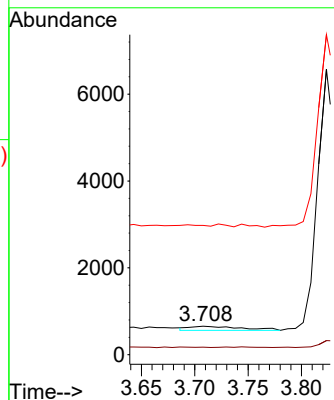
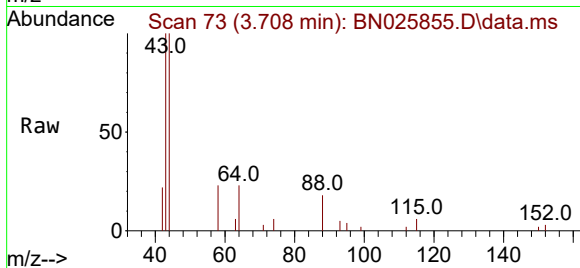




#3
n-Nitrosodimethylamine
Concen: 0.034 ng
RT: 3.708 min Scan# 71
Delta R.T. -0.014 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

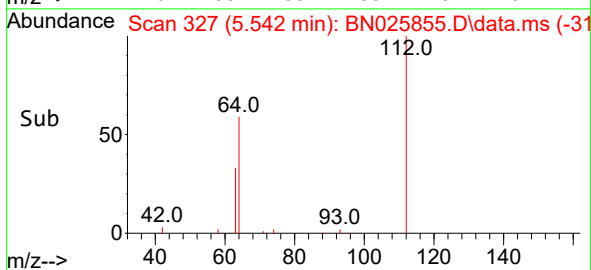
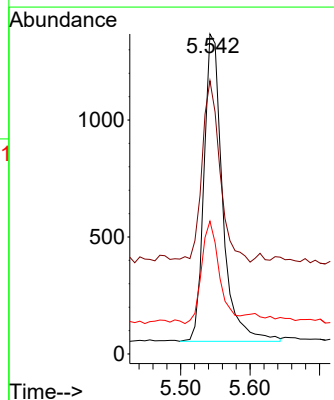
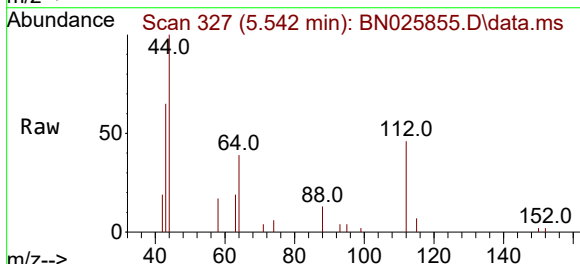
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

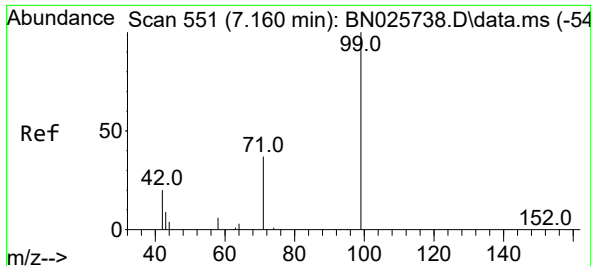
Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 0.0 4.4 6.6#



#4
2-Fluorophenol
Concen: 0.135 ng
RT: 5.542 min Scan# 327
Delta R.T. 0.007 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion: 112 Resp: 2452
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 32.1 26.2 39.4

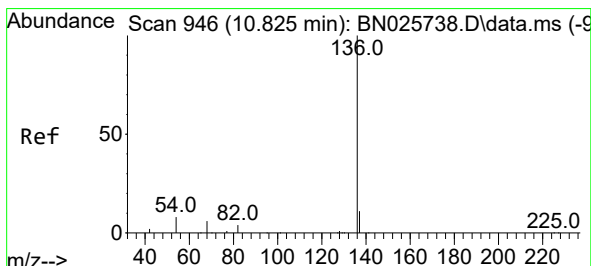
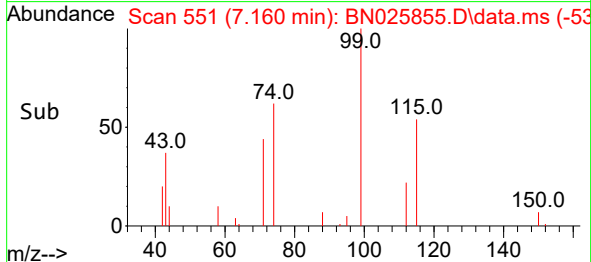
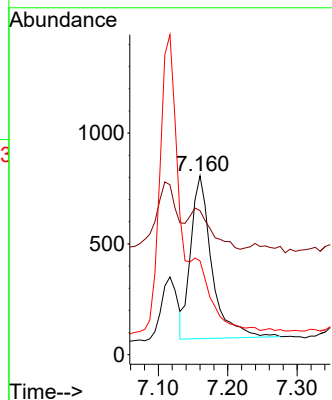
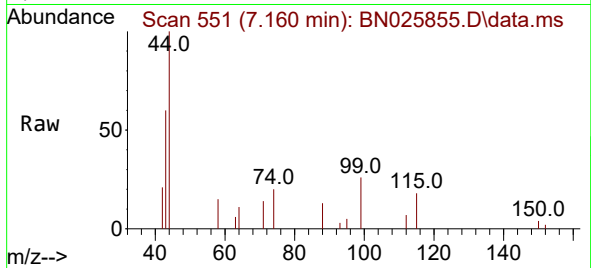




#5
Phenol-d6
Concen: 0.070 ng
RT: 7.160 min Scan# 551
Delta R.T. 0.007 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

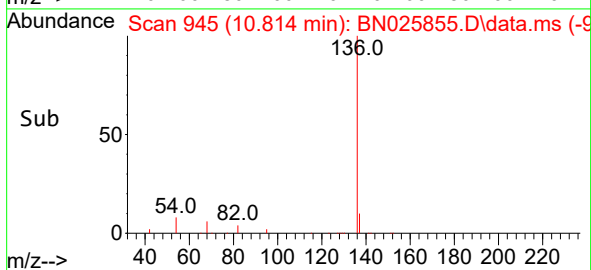
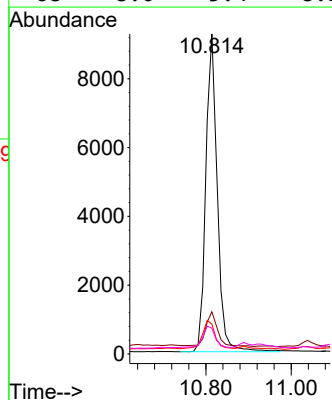
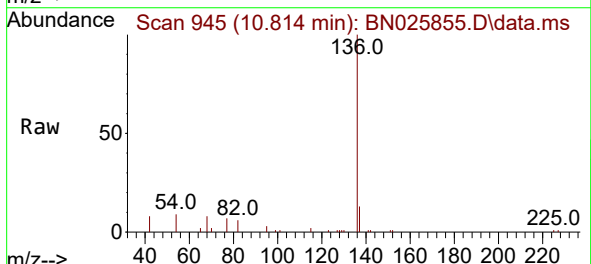
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

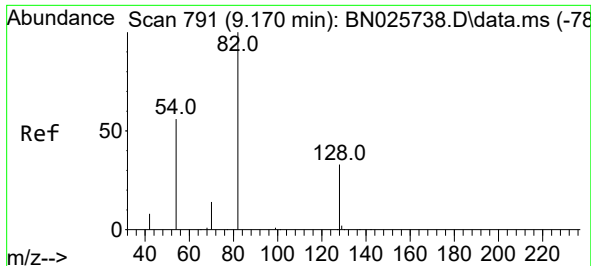
Tgt Ion: 99 Resp: 1551
Ion Ratio Lower Upper
99 100
42 25.3 18.6 28.0
71 0.0 30.5 45.7#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion: 136 Resp: 17212
Ion Ratio Lower Upper
136 100
137 13.2 9.3 13.9
54 9.4 7.2 10.8
68 8.0 5.4 8.2

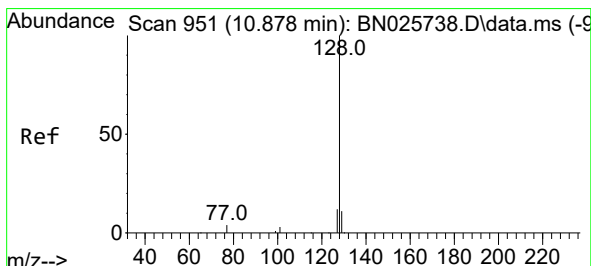
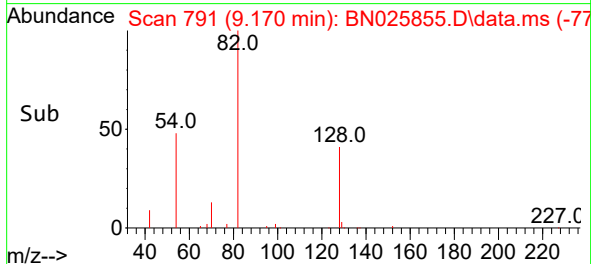
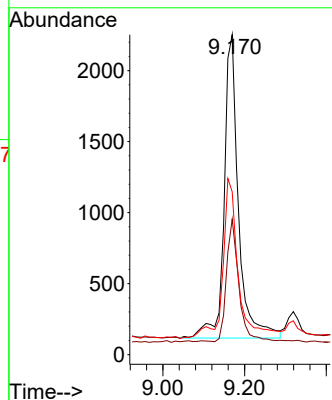
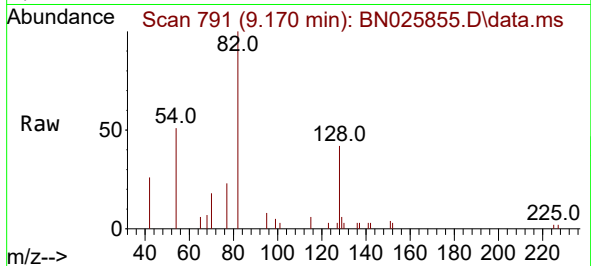




#8
Nitrobenzene-d5
Concen: 0.327 ng
RT: 9.170 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

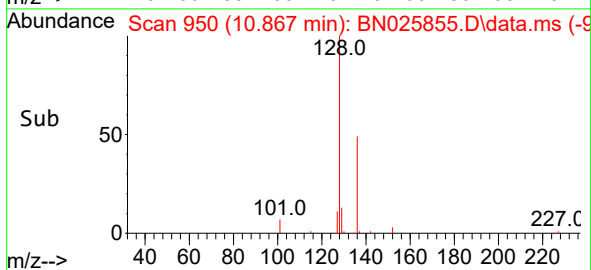
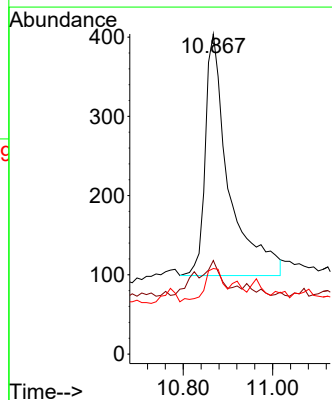
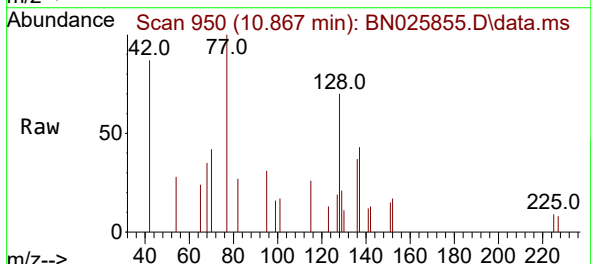
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

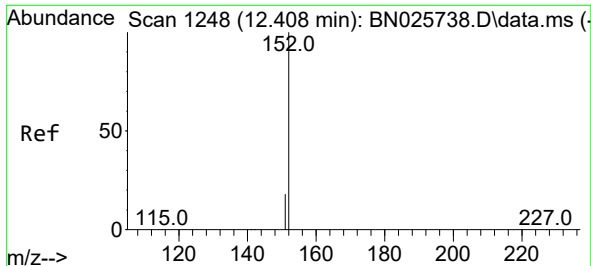
Tgt Ion: 82 Resp: 5228
Ion Ratio Lower Upper
82 100
128 42.3 27.6 41.4#
54 50.9 45.7 68.5



#9
Naphthalene
Concen: 0.022 ng
RT: 10.867 min Scan# 950
Delta R.T. 0.011 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion: 128 Resp: 1111
Ion Ratio Lower Upper
128 100
129 29.2 9.1 13.7#
127 26.7 10.3 15.5#

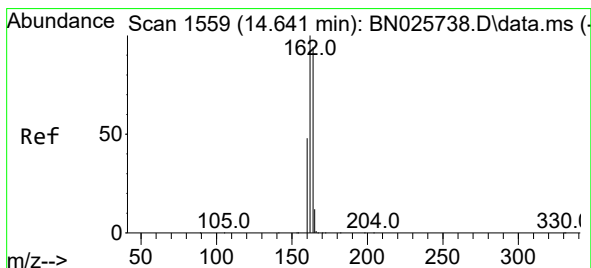
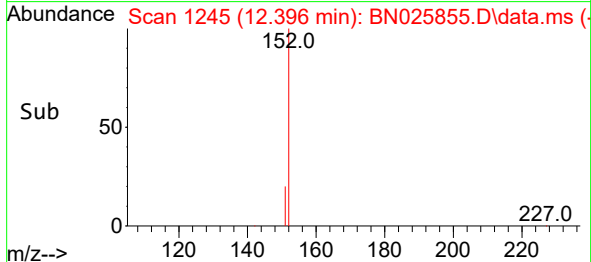
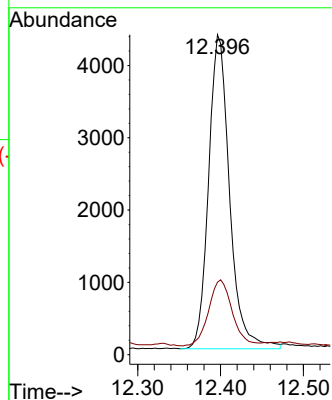
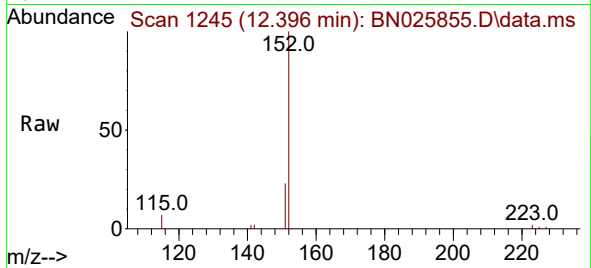




#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.396 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

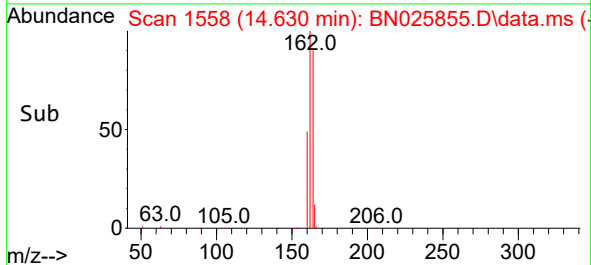
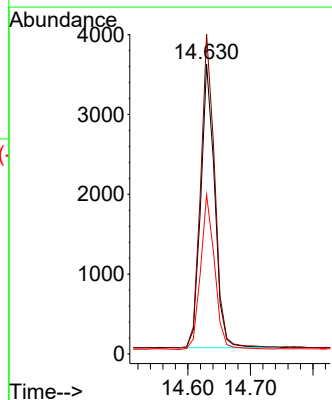
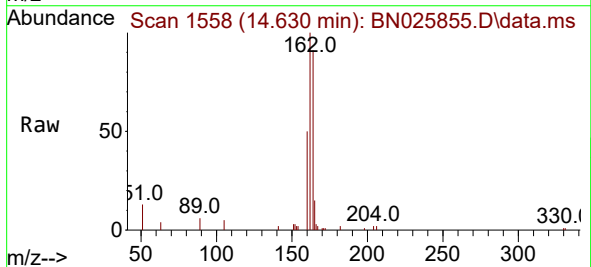
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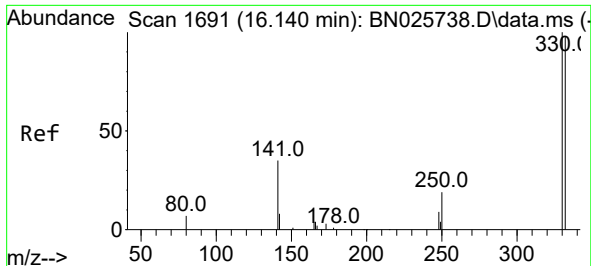
Tgt Ion:152 Resp: 7653
Ion Ratio Lower Upper
152 100
151 23.7 16.4 24.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.630 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion:164 Resp: 5515
Ion Ratio Lower Upper
164 100
162 110.4 85.0 127.6
160 54.9 41.1 61.7

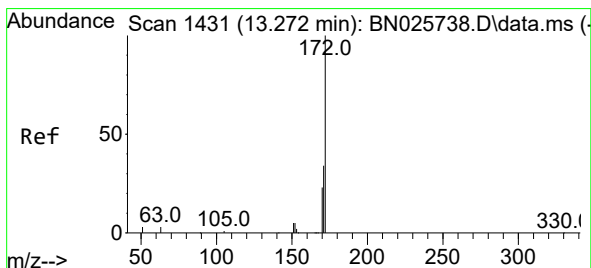
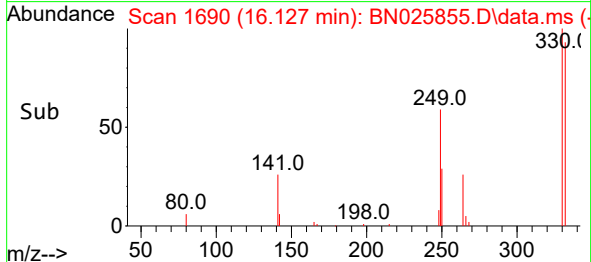
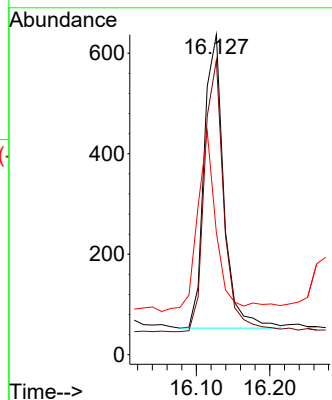
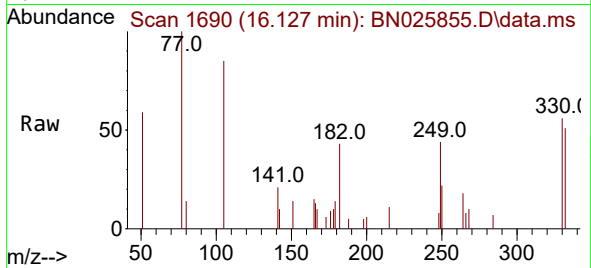




#14
2,4,6-Tribromophenol
Concen: 0.640 ng
RT: 16.127 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

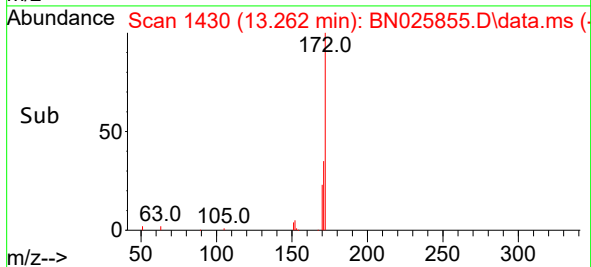
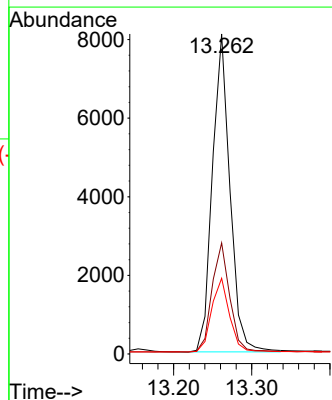
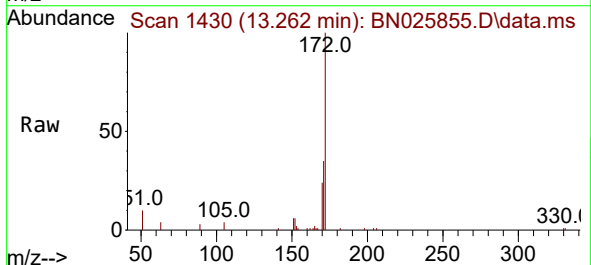
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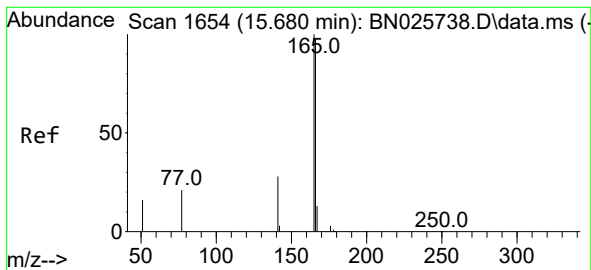
Tgt Ion:330 Resp: 1088
Ion Ratio Lower Upper
330 100
332 91.8 77.3 115.9
141 57.8 55.0 82.6



#15
2-Fluorobiphenyl
Concen: 0.541 ng
RT: 13.262 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion:172 Resp: 12615
Ion Ratio Lower Upper
172 100
171 34.7 27.3 40.9
170 23.6 18.6 28.0





#18

Fluorene

Concen: 0.035 ng

RT: 15.680 min Scan# 1

Delta R.T. 0.013 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-718-720

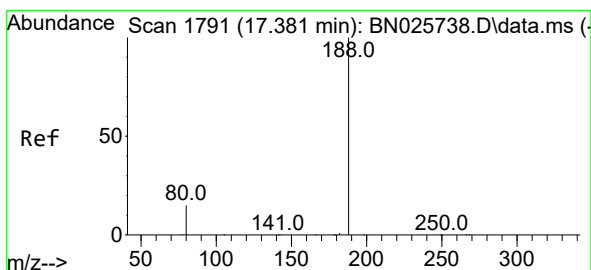
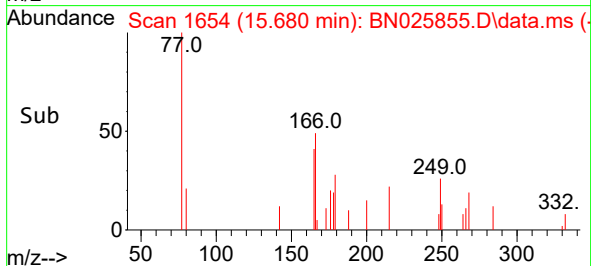
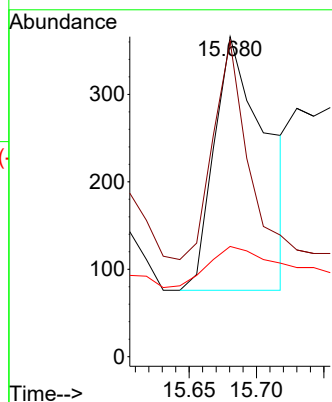
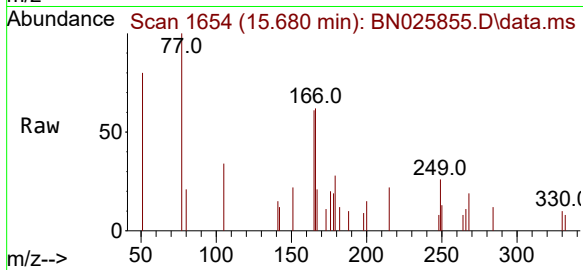
Tgt Ion:166 Resp: 777

Ion Ratio Lower Upper

166 100

165 59.8 80.1 120.1#

167 25.0 10.7 16.1#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.381 min Scan# 1791

Delta R.T. 0.000 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

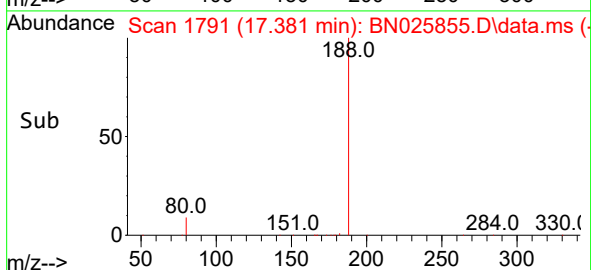
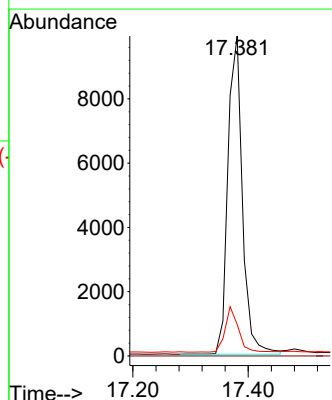
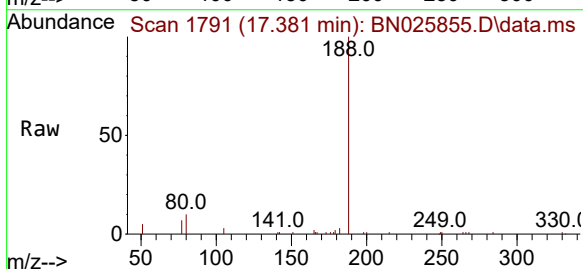
Tgt Ion:188 Resp: 17298

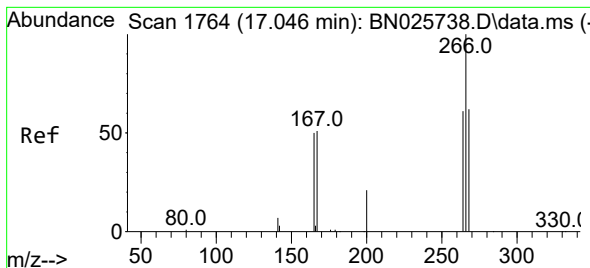
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.8 12.1 18.1#





#24

Pentachlorophenol

Concen: 0.049 ng

RT: 17.033 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-718-720

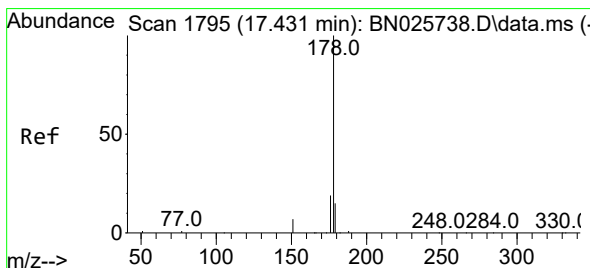
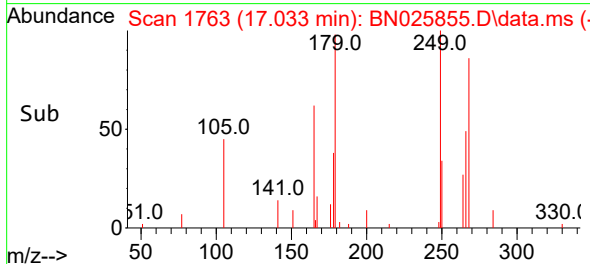
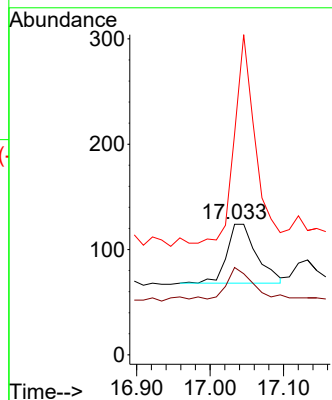
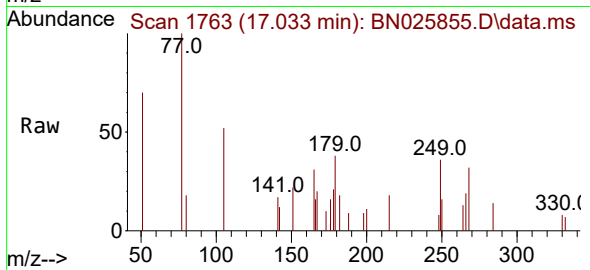
Tgt Ion:266 Resp: 158

Ion Ratio Lower Upper

266 100

264 58.9 48.6 73.0

268 244.3 51.8 77.6#



#25

Phenanthrene

Concen: 0.021 ng

RT: 17.418 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

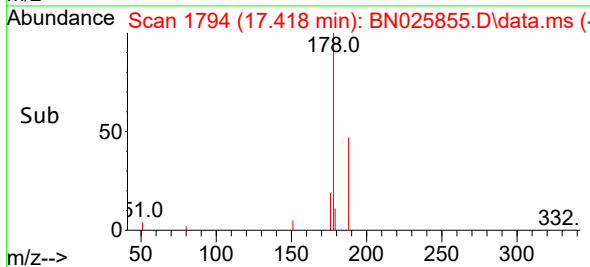
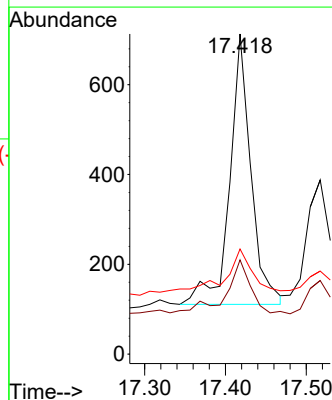
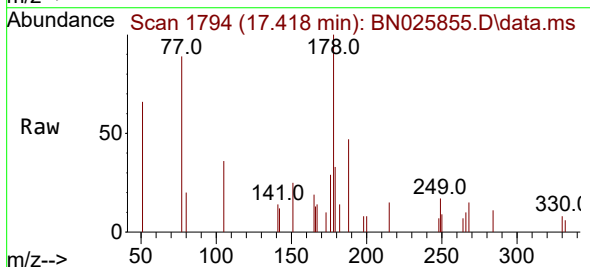
Tgt Ion:178 Resp: 1098

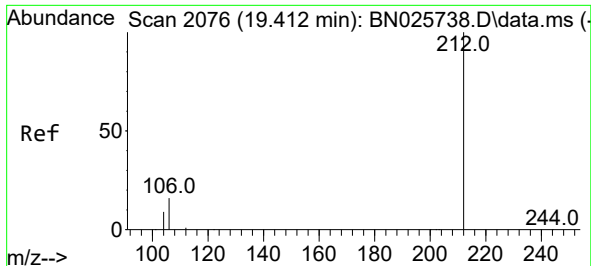
Ion Ratio Lower Upper

178 100

176 23.8 15.7 23.5#

179 26.7 12.2 18.2#

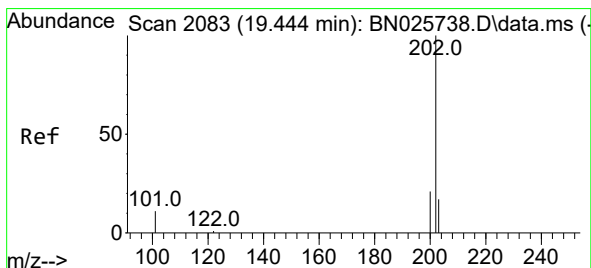
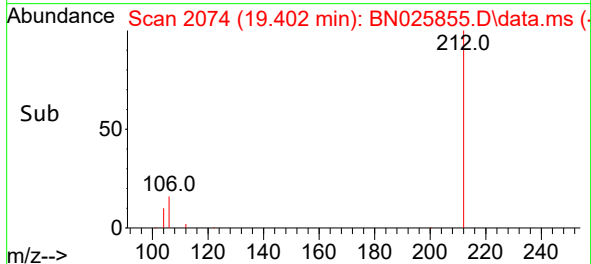
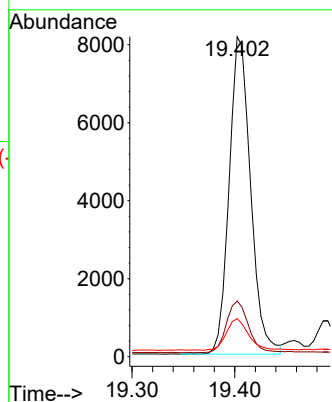
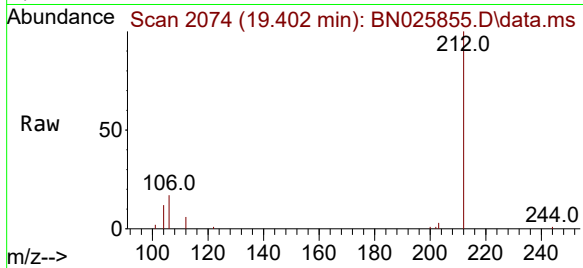




#27
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.402 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

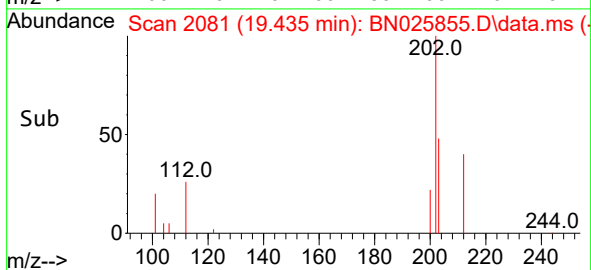
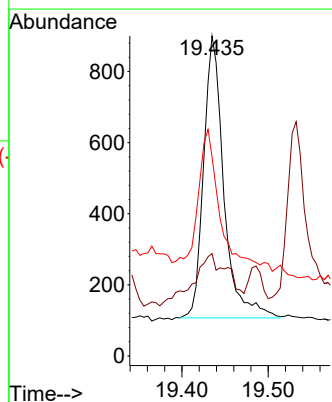
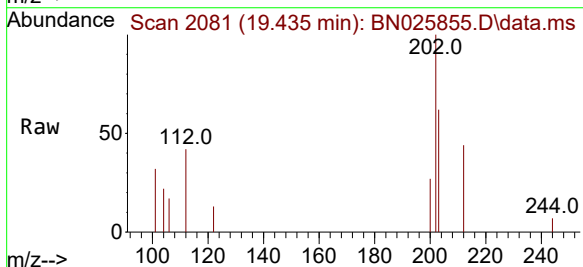
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

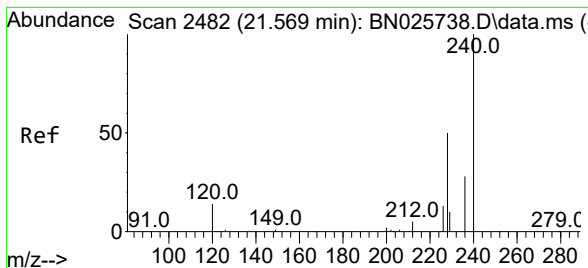
Tgt Ion:212 Resp: 11800
Ion Ratio Lower Upper
212 100
106 16.9 13.0 19.6
104 10.1 7.7 11.5



#28
Fluoranthene
Concen: 0.025 ng
RT: 19.435 min Scan# 2081
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion:202 Resp: 1290
Ion Ratio Lower Upper
202 100
101 25.2 9.8 14.8#
203 54.1 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: BN025855.D

Acq: 15 Jun 2023 13:16

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-718-720

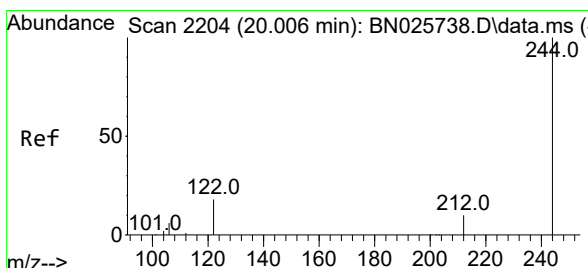
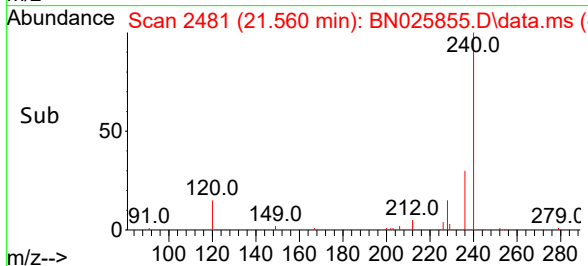
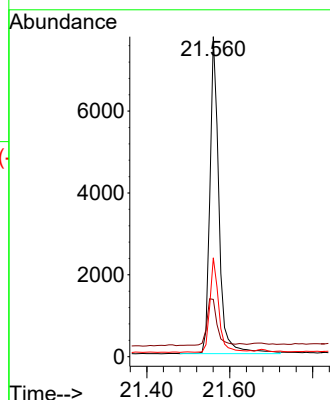
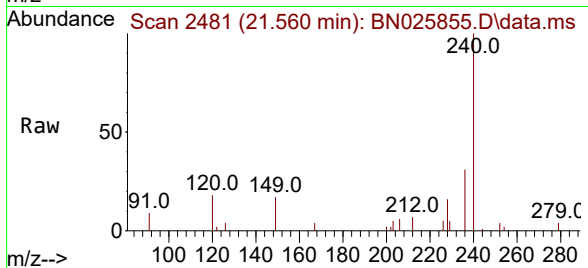
Tgt Ion:240 Resp: 11767

Ion Ratio Lower Upper

240 100

120 17.9 13.2 19.8

236 30.9 23.1 34.7



#31

Terphenyl-d14

Concen: 0.501 ng

RT: 19.992 min Scan# 2201

Delta R.T. -0.004 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

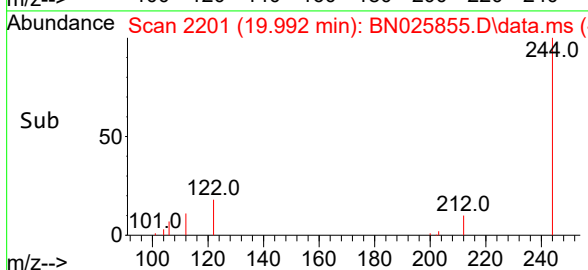
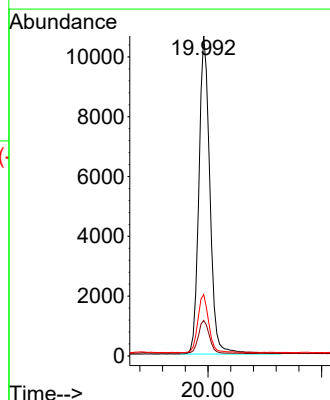
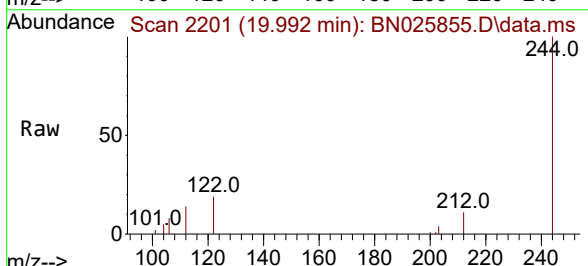
Tgt Ion:244 Resp: 14289

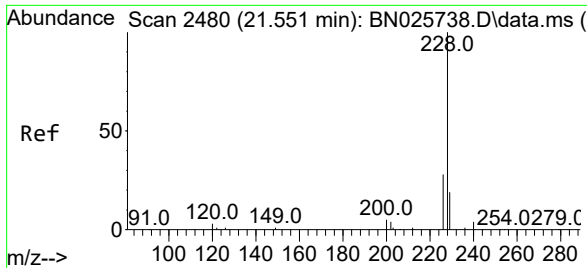
Ion Ratio Lower Upper

244 100

212 11.1 8.6 12.8

122 19.2 15.2 22.8

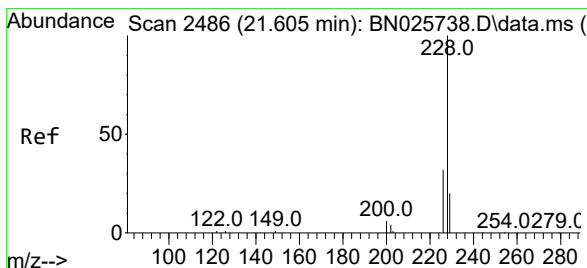
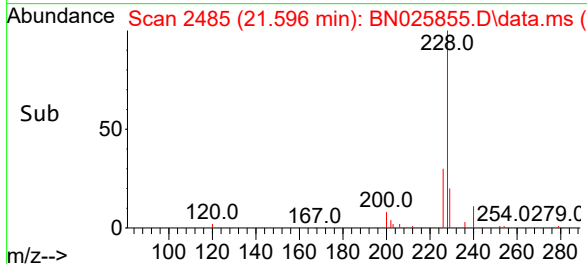
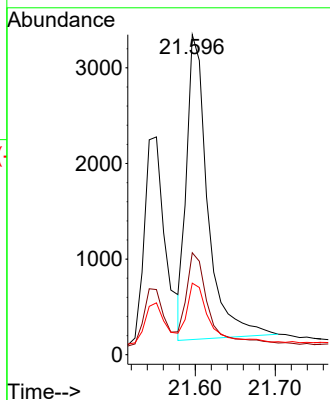
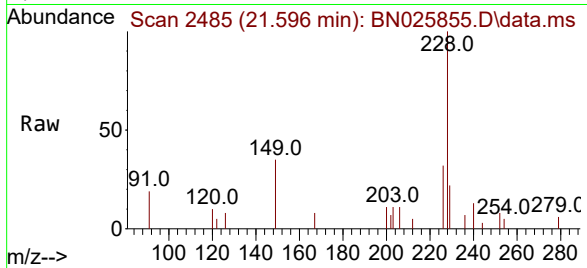




#32
Benzo(a)anthracene
Concen: 0.130 ng
RT: 21.596 min Scan# 2485
Delta R.T. 0.054 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

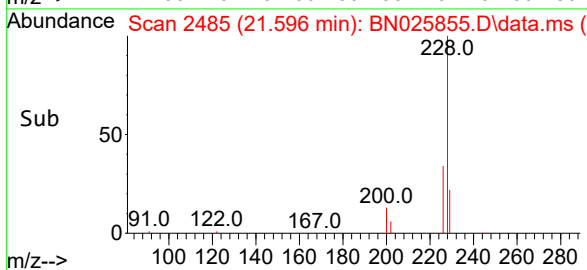
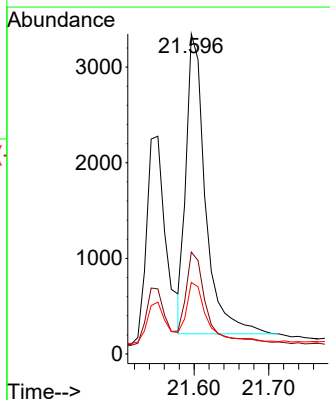
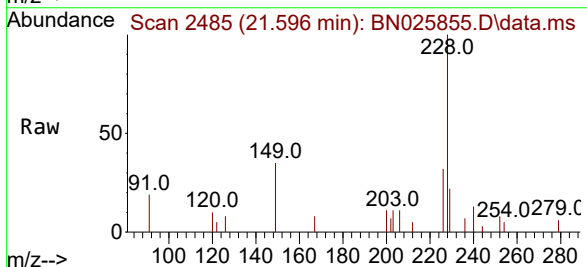
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

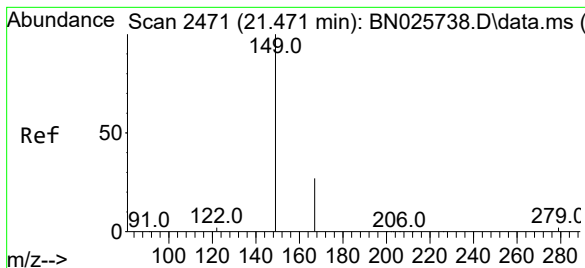
Tgt Ion:228 Resp: 5885
Ion Ratio Lower Upper
228 100
226 31.8 22.9 34.3
229 22.4 15.6 23.4



#33
Chrysene
Concen: 0.118 ng
RT: 21.596 min Scan# 2485
Delta R.T. 0.000 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion:228 Resp: 5663
Ion Ratio Lower Upper
228 100
226 31.8 25.4 38.2
229 22.4 16.1 24.1

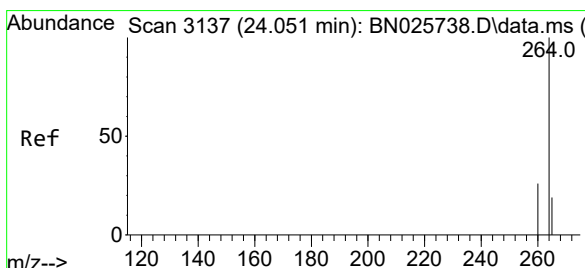
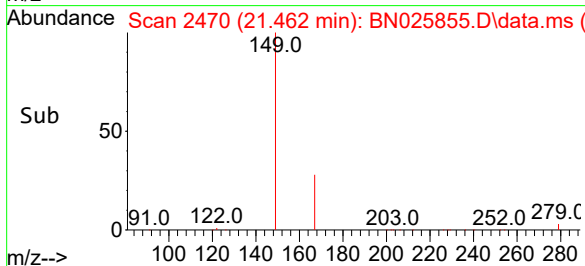
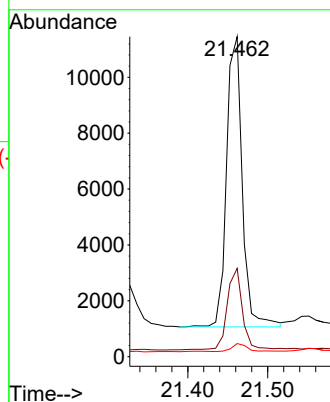
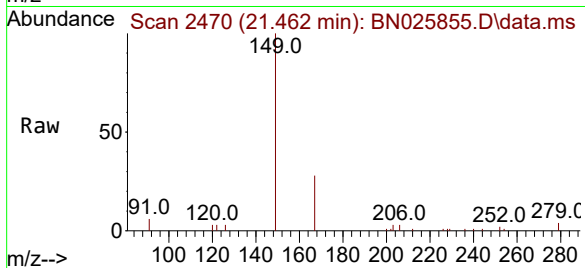




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.524 ng
 RT: 21.462 min Scan# 2470
 Delta R.T. 0.000 min
 Lab File: BN025855.D
 Acq: 15 Jun 2023 13:16

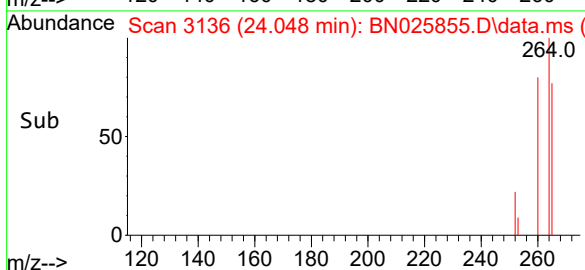
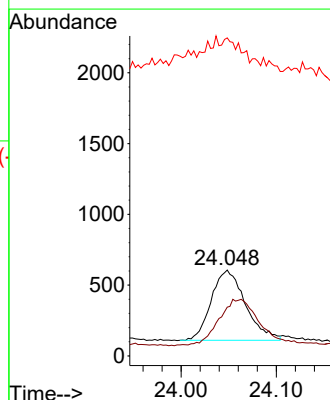
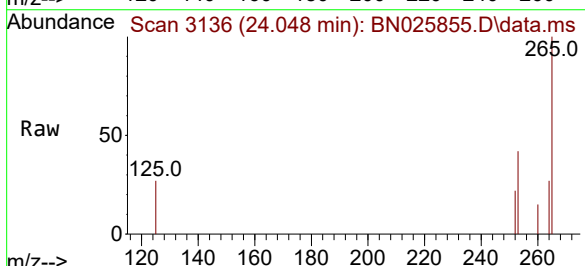
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-718-720

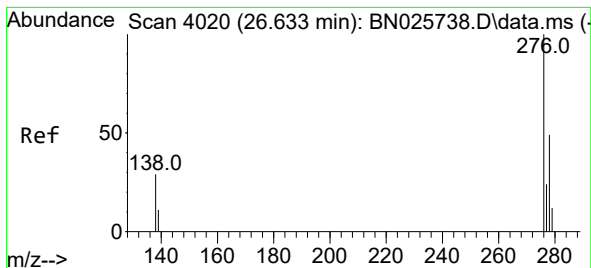
Tgt Ion:	149	Resp:	14167
Ion Ratio	Lower	Upper	
149	100		
167	27.5	21.0	31.6
279	2.8	2.2	3.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.048 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: BN025855.D
 Acq: 15 Jun 2023 13:16

Tgt Ion:	264	Resp:	1233
Ion Ratio	Lower	Upper	
264	100		
260	56.7	21.4	32.2#
265	370.0	44.7	67.1#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.633 ng

RT: 26.656 min Scan# 4028

Delta R.T. 0.015 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-718-720

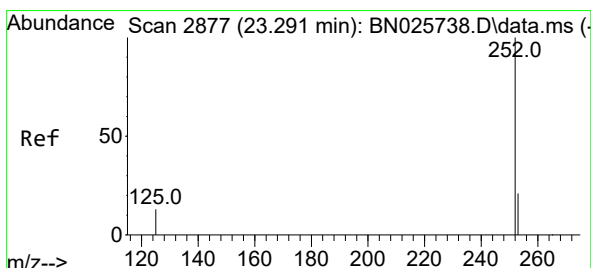
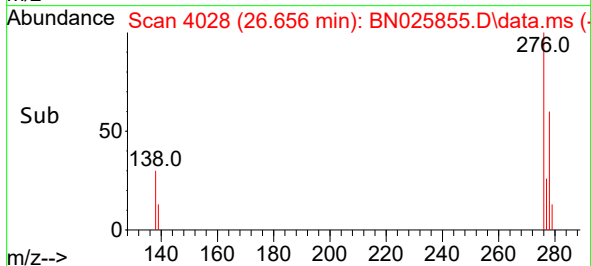
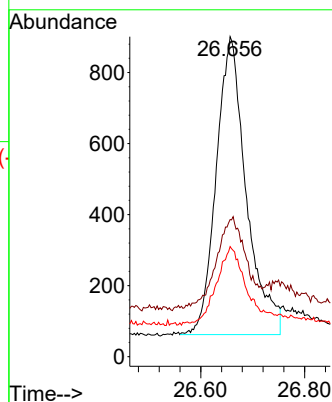
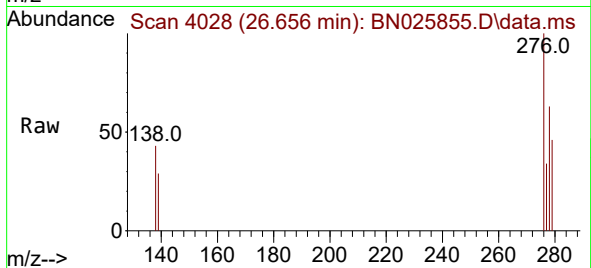
Tgt Ion:276 Resp: 3376

Ion Ratio Lower Upper

276 100

138 30.3 26.1 39.1

277 23.3 19.4 29.2



#37

Benzo(b)fluoranthene

Concen: 1.820 ng

RT: 23.285 min Scan# 2875

Delta R.T. 0.003 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

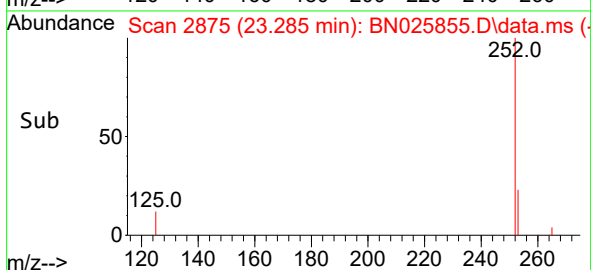
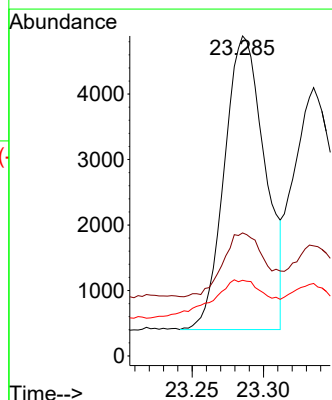
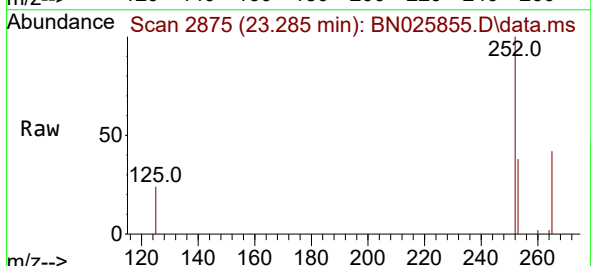
Tgt Ion:252 Resp: 8851

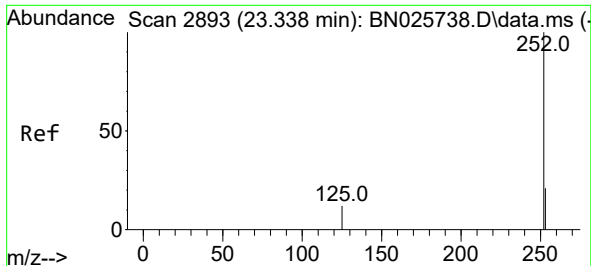
Ion Ratio Lower Upper

252 100

253 38.5 23.4 35.0#

125 23.6 12.3 18.5#

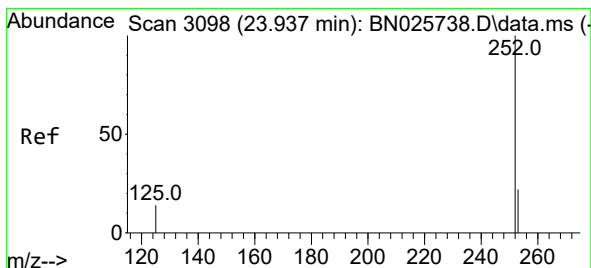
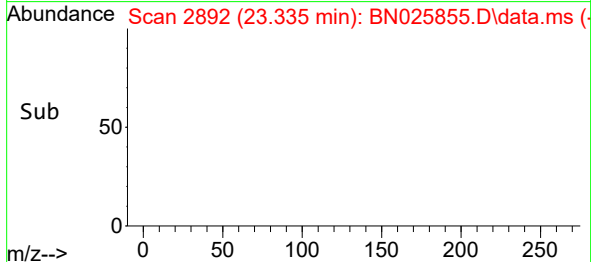
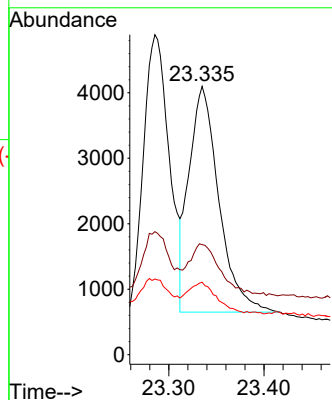
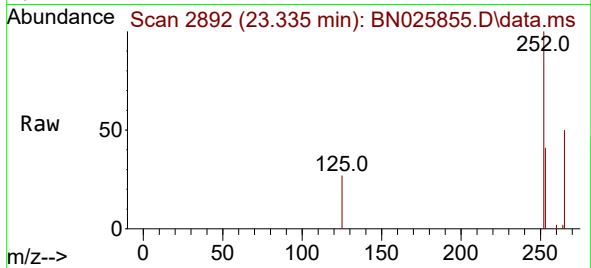




#38
Benzo(k)fluoranthene
Concen: 1.517 ng
RT: 23.335 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

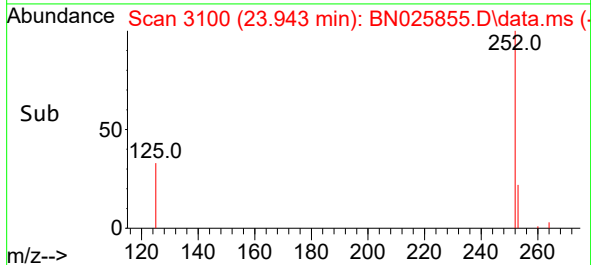
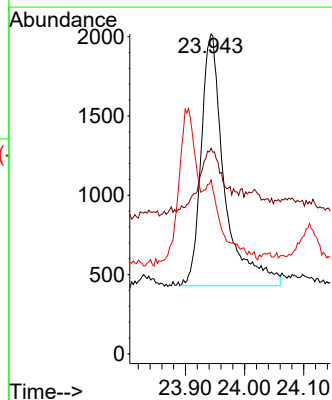
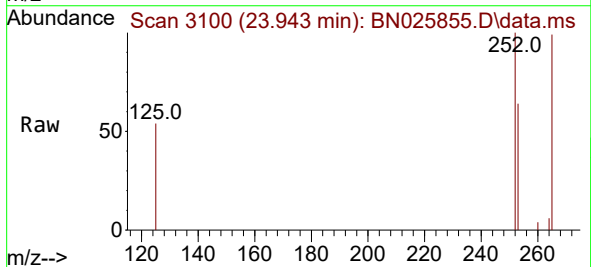
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-718-720

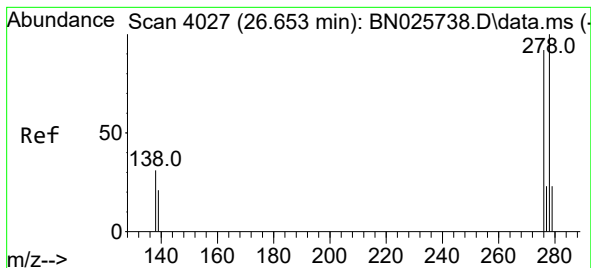
Tgt Ion:252 Resp: 7537
Ion Ratio Lower Upper
252 100
253 41.0 24.2 36.4#
125 27.0 12.2 18.2#



#39
Benzo(a)pyrene
Concen: 0.947 ng
RT: 23.943 min Scan# 3100
Delta R.T. 0.006 min
Lab File: BN025855.D
Acq: 15 Jun 2023 13:16

Tgt Ion:252 Resp: 4364
Ion Ratio Lower Upper
252 100
253 64.3 27.5 41.3#
125 54.3 14.6 21.8#





#40

Dibenzo(a,h)anthracene

Concen: 0.590 ng

RT: 26.677 min Scan# 40

Delta R.T. 0.015 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-718-720

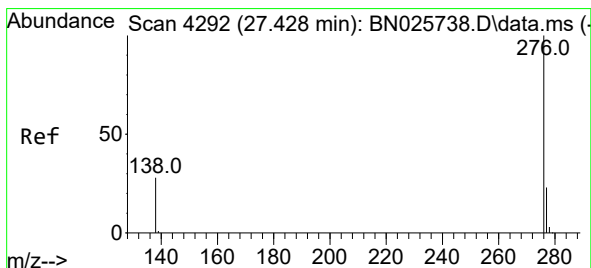
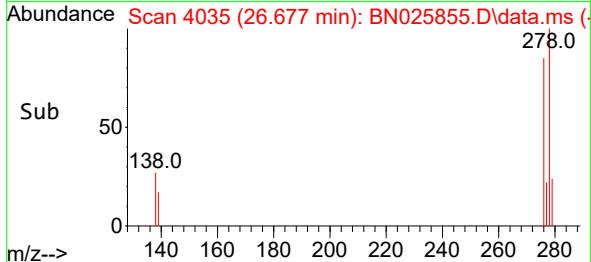
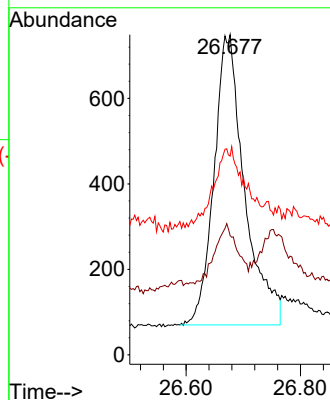
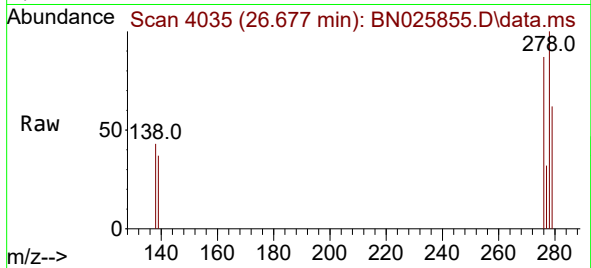
Tgt Ion:278 Resp: 2524

Ion Ratio Lower Upper

278 100

139 37.2 18.7 28.1#

279 62.1 25.1 37.7#



#41

Benzo(g,h,i)perylene

Concen: 0.703 ng

RT: 27.457 min Scan# 4302

Delta R.T. 0.012 min

Lab File: BN025855.D

Acq: 15 Jun 2023 13:16

Tgt Ion:276 Resp: 3363

Ion Ratio Lower Upper

276 100

277 31.1 20.2 30.2#

138 40.9 24.2 36.4#

