

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061523\
 Data File : BN025857.D
 Acq On : 15 Jun 2023 14:28
 Operator : MA/JU
 Sample : 03123-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-823-825

Quant Time: Jun 16 01:45:23 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)

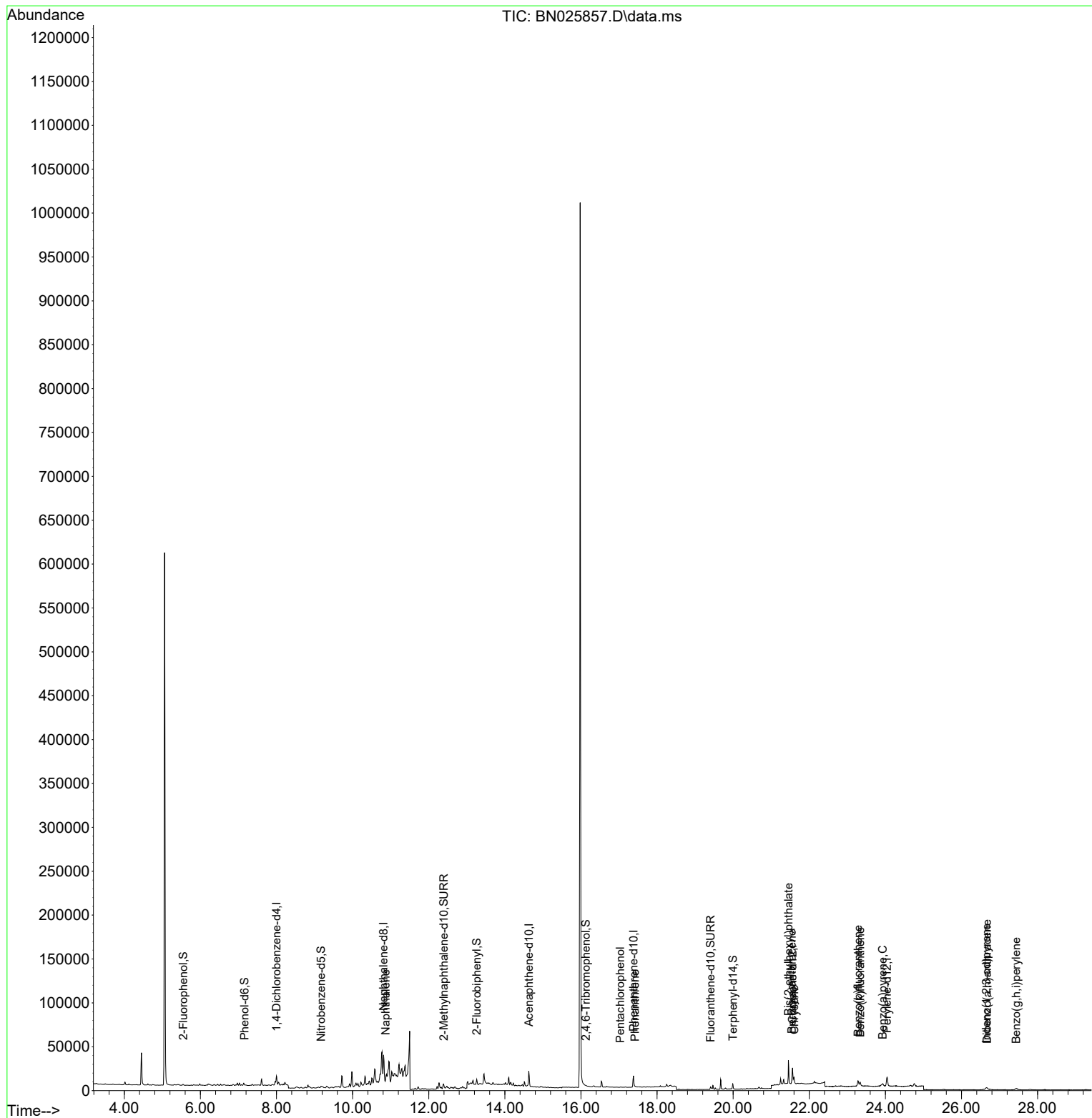
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.998	152	6050	0.400	ng	0.00
7) Naphthalene-d8	10.814	136	16622	0.400	ng	# 0.00
13) Acenaphthene-d10	14.630	164	9700	0.400	ng	0.00
19) Phenanthrene-d10	17.381	188	19581	0.400	ng	# 0.00
29) Chrysene-d12	21.560	240	16953	0.400	ng	0.00
35) Perylene-d12	24.042	264	17336	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.549	112	634	0.037	ng	0.01
5) Phenol-d6	7.160	99	549	0.026	ng	0.00
8) Nitrobenzene-d5	9.170	82	2103	0.136	ng	0.01
11) 2-Methylnaphthalene-d10	12.396	152	4438	0.185	ng	0.00
14) 2,4,6-Tribromophenol	16.127	330	227	0.076	ng	0.00
15) 2-Fluorobiphenyl	13.261	172	4892	0.119	ng	0.00
27) Fluoranthene-d10	19.407	212	3014	0.075	ng	0.00
31) Terphenyl-d14	19.997	244	3245	0.079	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.867	128	1318	0.027	ng	# 59
24) Pentachlorophenol	17.033	266	110	0.030	ng	95
25) Phenanthrene	17.418	178	1279	0.021	ng	95
32) Benzo(a)anthracene	21.542	228	4025	0.061	ng	# 88
33) Chrysene	21.605	228	5428	0.078	ng	96
34) Bis(2-ethylhexyl)phtha...	21.453	149	24790	0.636	ng	100
36) Indeno(1,2,3-cd)pyrene	26.650	276	4111	0.055	ng	# 82
37) Benzo(b)fluoranthene	23.282	252	9667	0.141	ng	# 74
38) Benzo(k)fluoranthene	23.338	252	7578	0.108	ng	# 67
39) Benzo(a)pyrene	23.931	252	4339	0.067	ng	# 35
40) Dibenzo(a,h)anthracene	26.671	278	2722	0.045	ng	# 47
41) Benzo(g,h,i)perylene	27.437	276	4058	0.060	ng	# 83

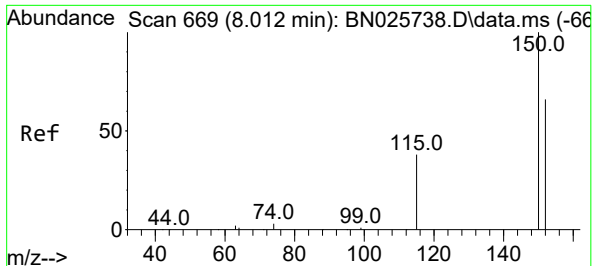
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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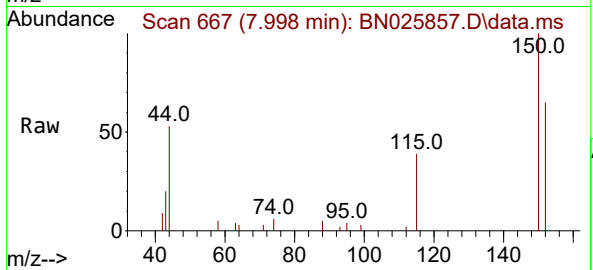
Quant Time: Jun 16 01:45:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN053123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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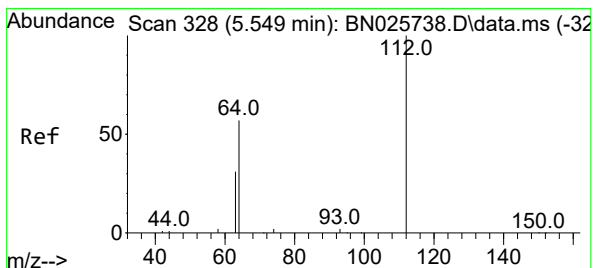
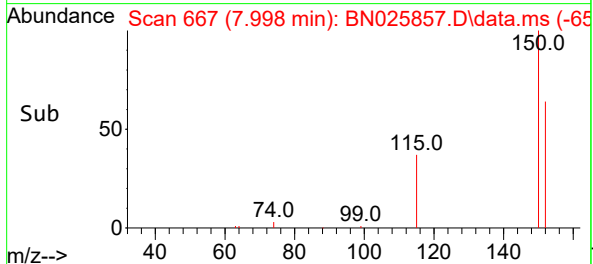
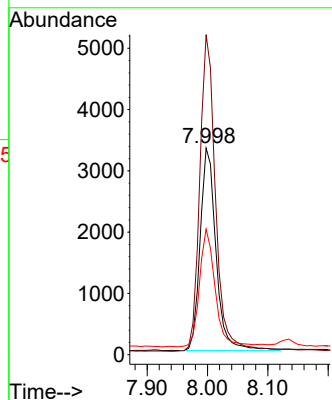


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.998 min Scan# 60
Delta R.T. -0.000 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-823-825

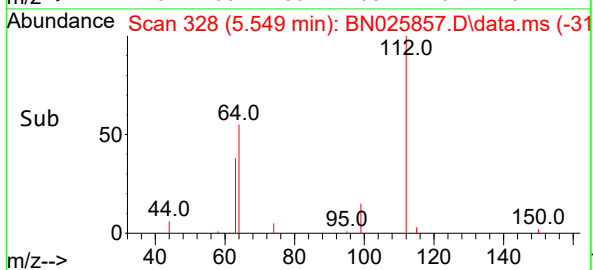
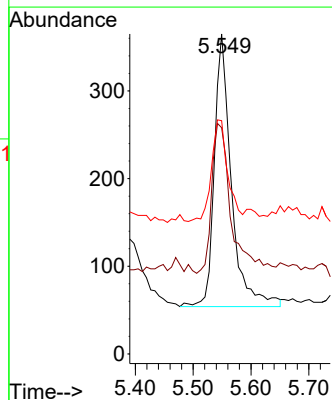
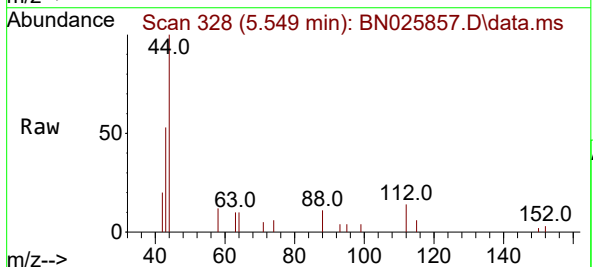


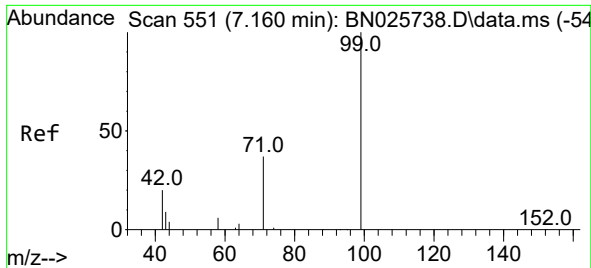
Tgt Ion:152 Resp: 6050
Ion Ratio Lower Upper
152 100
150 154.9 121.5 182.3
115 60.8 47.7 71.5



#4
2-Fluorophenol
Concen: 0.037 ng
RT: 5.549 min Scan# 328
Delta R.T. 0.014 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Tgt Ion:112 Resp: 634
Ion Ratio Lower Upper
112 100
64 63.2 47.5 71.3
63 36.0 26.2 39.4

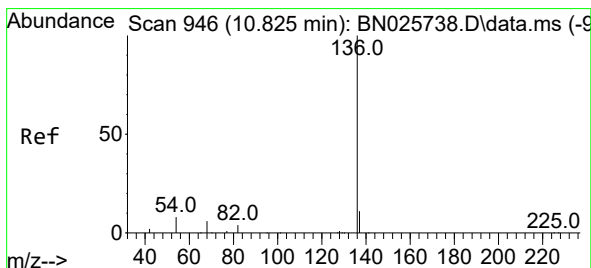
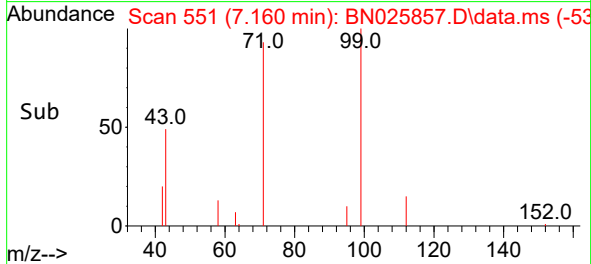
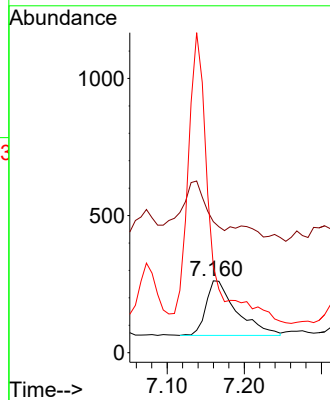
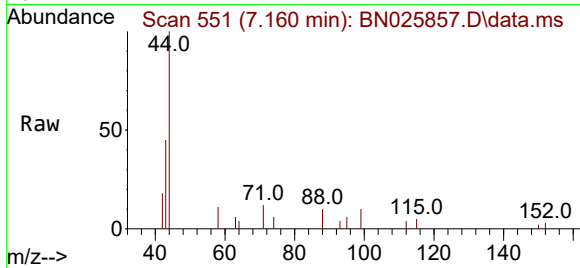




#5
Phenol-d6
Concen: 0.026 ng
RT: 7.160 min Scan# 511
Delta R.T. 0.007 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

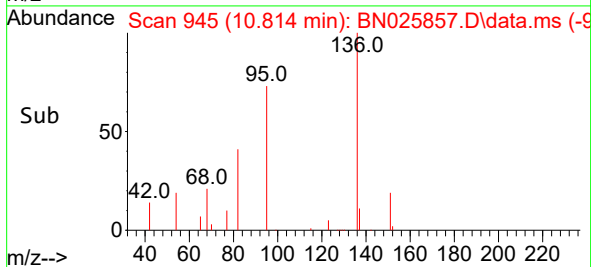
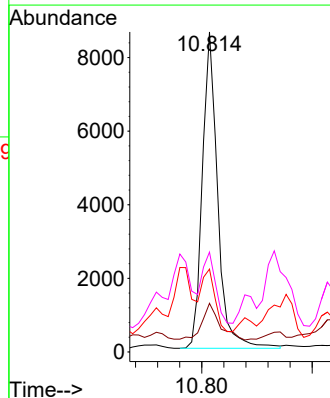
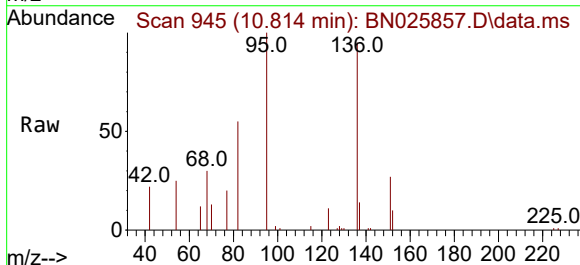
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-823-825

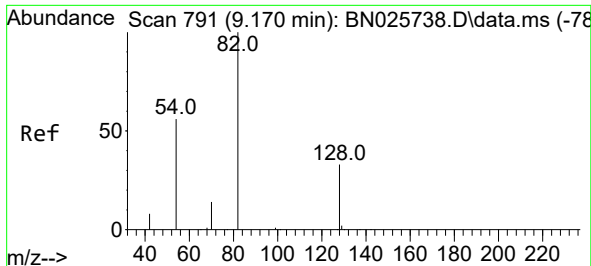
Tgt Ion: 99 Resp: 549
Ion Ratio Lower Upper
99 100
42 0.0 18.6 28.0#
71 0.0 30.5 45.7#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.814 min Scan# 945
Delta R.T. 0.000 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Tgt Ion: 136 Resp: 16622
Ion Ratio Lower Upper
136 100
137 15.2 9.3 13.9#
54 25.9 7.2 10.8#
68 31.2 5.4 8.2#

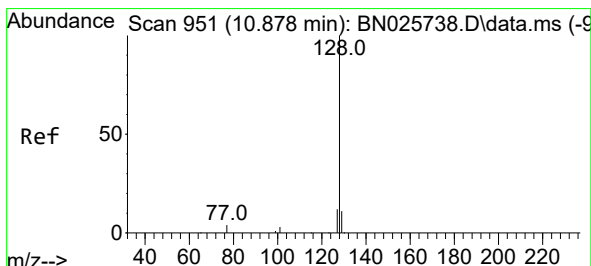
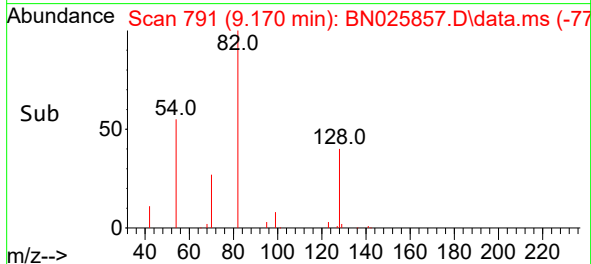
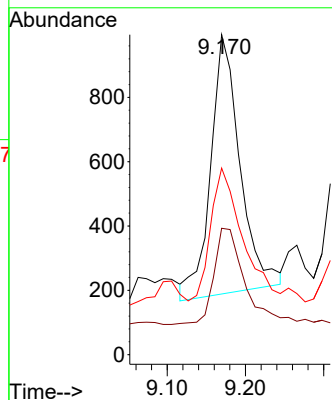
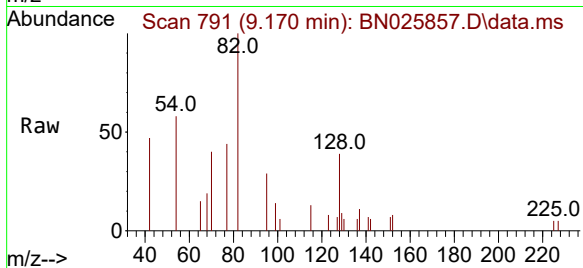




#8
Nitrobenzene-d5
Concen: 0.136 ng
RT: 9.170 min Scan# 791
Delta R.T. 0.011 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

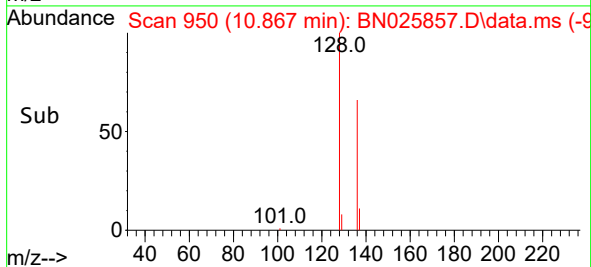
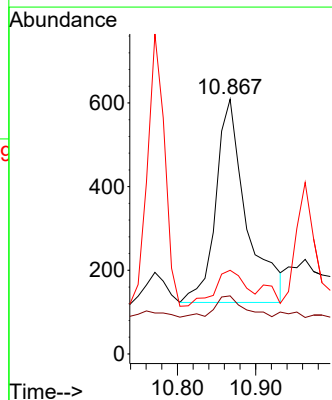
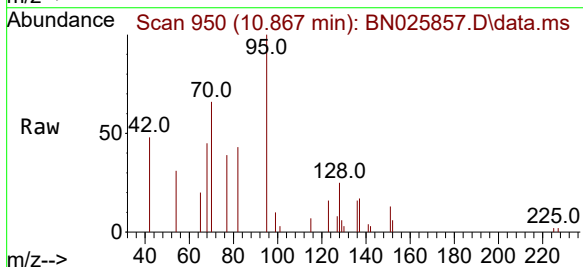
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-823-825

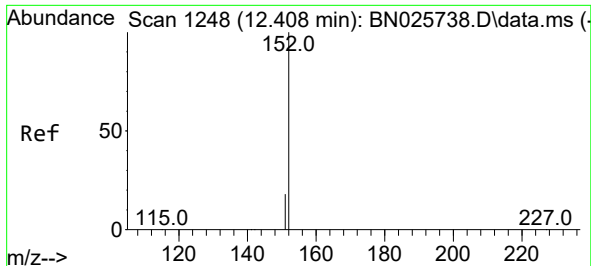
Tgt Ion: 82 Resp: 2103
Ion Ratio Lower Upper
82 100
128 39.5 27.6 41.4
54 58.3 45.7 68.5



#9
Naphthalene
Concen: 0.027 ng
RT: 10.867 min Scan# 950
Delta R.T. 0.011 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Tgt Ion: 128 Resp: 1318
Ion Ratio Lower Upper
128 100
129 22.8 9.1 13.7#
127 32.8 10.3 15.5#





#11

2-Methylnaphthalene-d10

Concen: 0.185 ng

RT: 12.396 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

Instrument :

BNA_N

ClientSampleId :

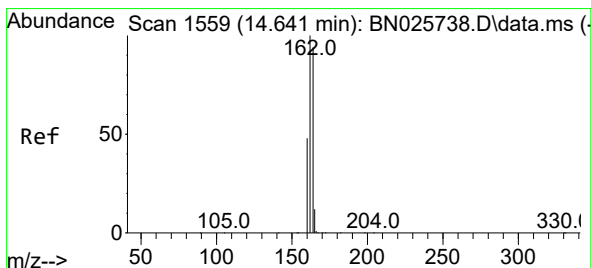
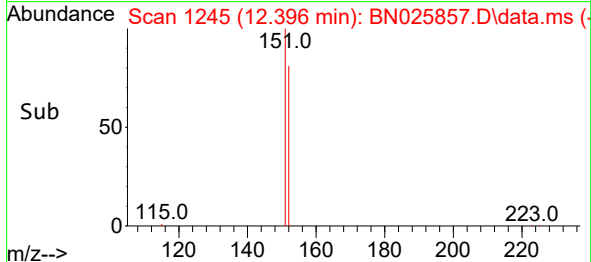
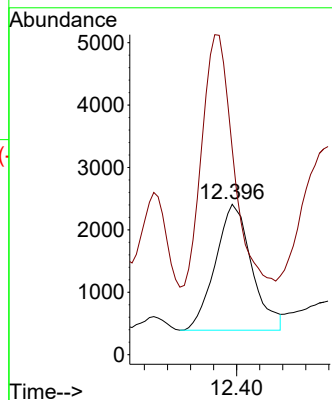
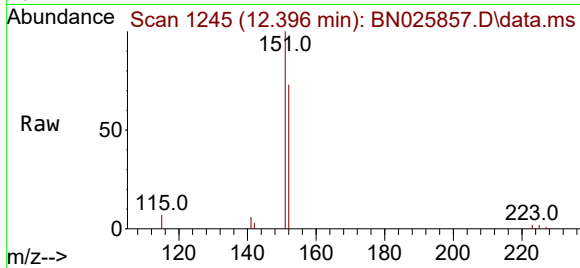
BP-VPB-RW11-GW-823-825

Tgt Ion:152 Resp: 4438

Ion Ratio Lower Upper

152 100

151 171.0 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: BN025857.D

Acq: 15 Jun 2023 14:28

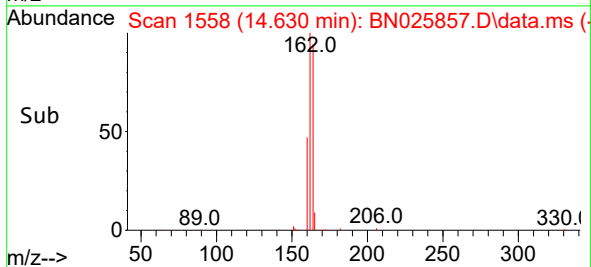
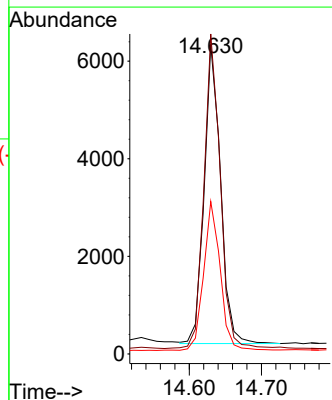
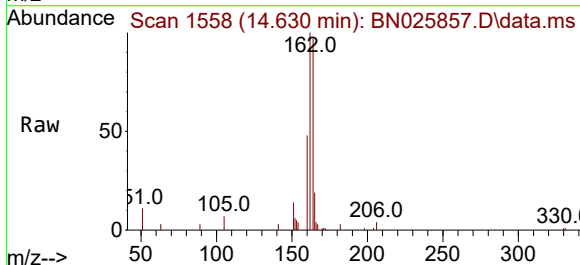
Tgt Ion:164 Resp: 9700

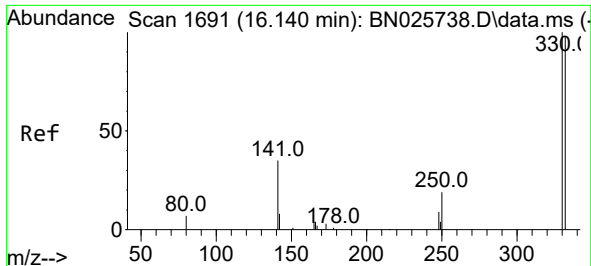
Ion Ratio Lower Upper

164 100

162 103.5 85.0 127.6

160 49.3 41.1 61.7

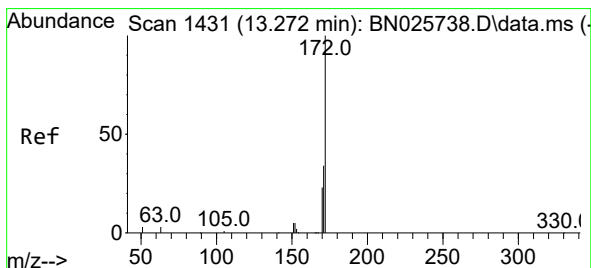
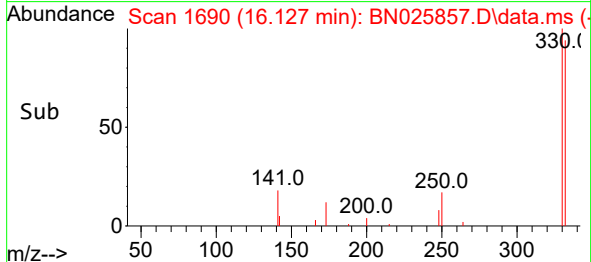
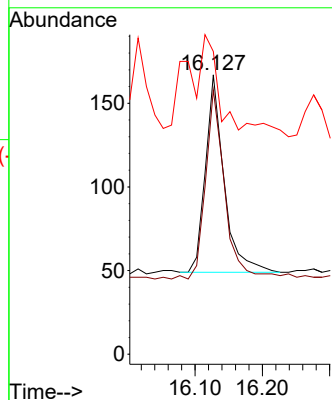
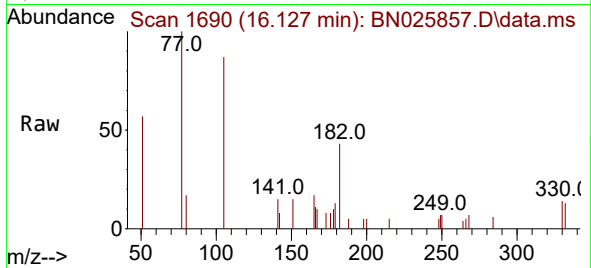




#14
2,4,6-Tribromophenol
Concen: 0.076 ng
RT: 16.127 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

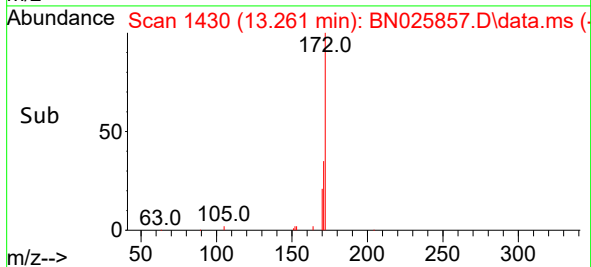
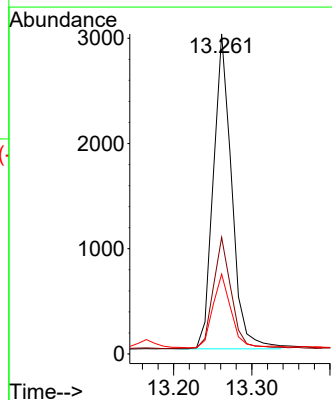
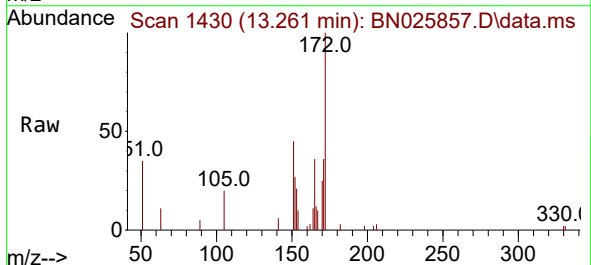
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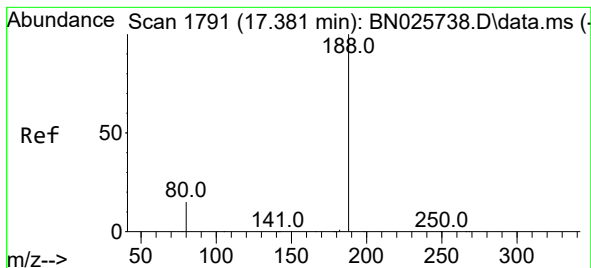
Tgt Ion:330 Resp: 227
Ion Ratio Lower Upper
330 100
332 98.7 77.3 115.9
141 36.1 55.0 82.6#



#15
2-Fluorobiphenyl
Concen: 0.119 ng
RT: 13.261 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Tgt Ion:172 Resp: 4892
Ion Ratio Lower Upper
172 100
171 36.5 27.3 40.9
170 25.0 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: BN025857.D

Acq: 15 Jun 2023 14:28

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-823-825

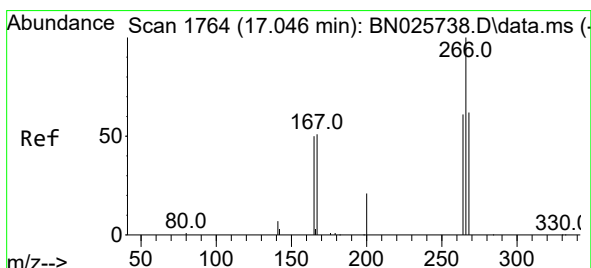
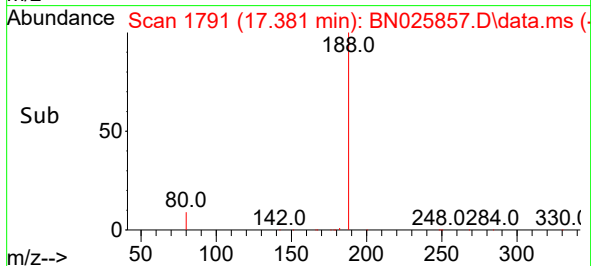
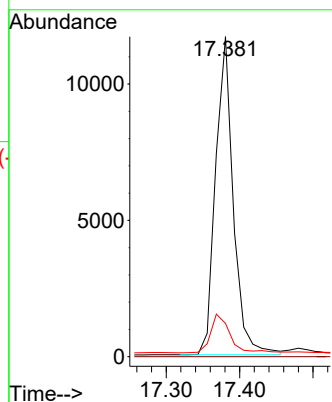
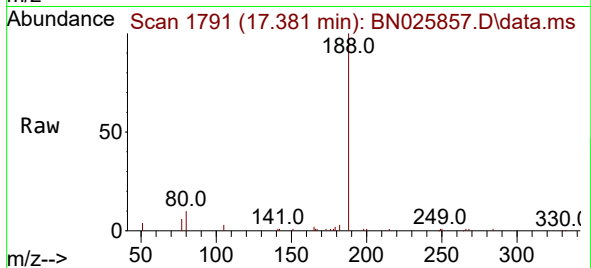
Tgt Ion:188 Resp: 19581

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.4 12.1 18.1#



#24

Pentachlorophenol

Concen: 0.030 ng

RT: 17.033 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

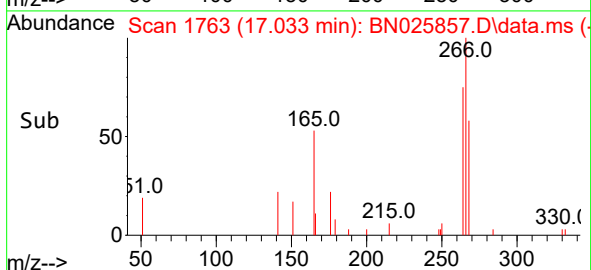
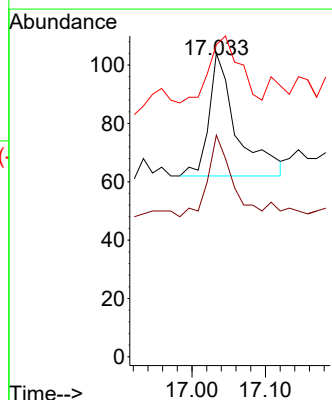
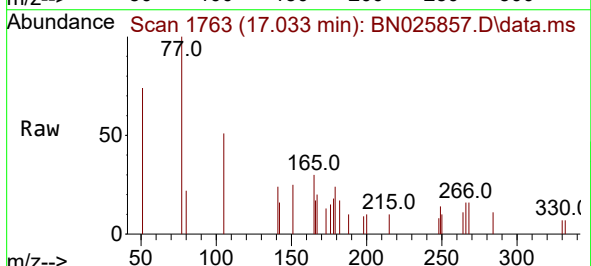
Tgt Ion:266 Resp: 110

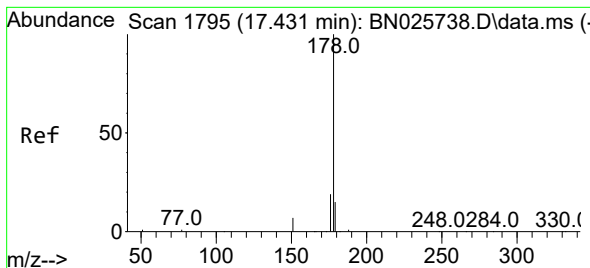
Ion Ratio Lower Upper

266 100

264 57.3 48.6 73.0

268 60.0 51.8 77.6





#25

Phenanthrene

Concen: 0.021 ng

RT: 17.418 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

Instrument :

BNA_N

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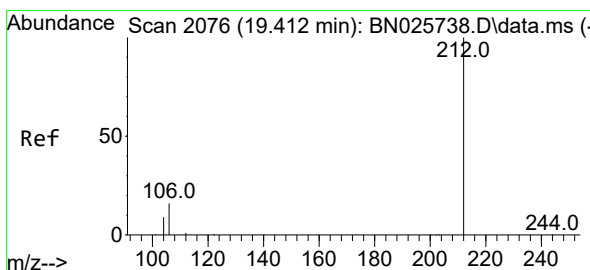
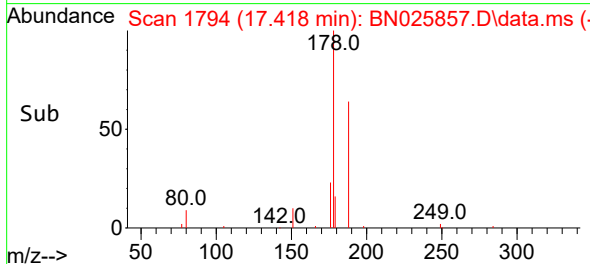
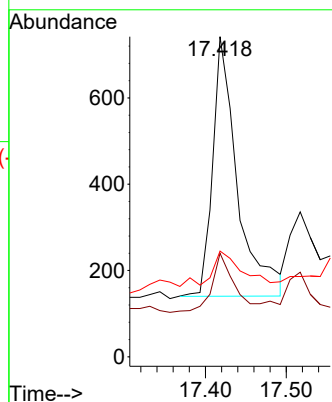
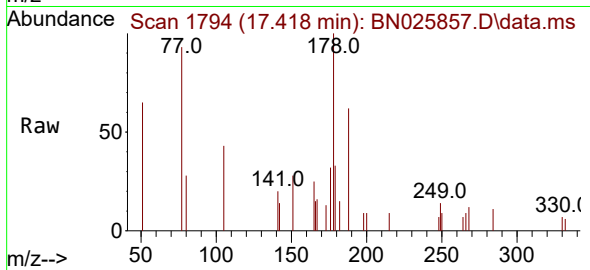
Tgt Ion:178 Resp: 1279

Ion Ratio Lower Upper

178 100

176 21.3 15.7 23.5

179 17.7 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.075 ng

RT: 19.407 min Scan# 2075

Delta R.T. 0.005 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

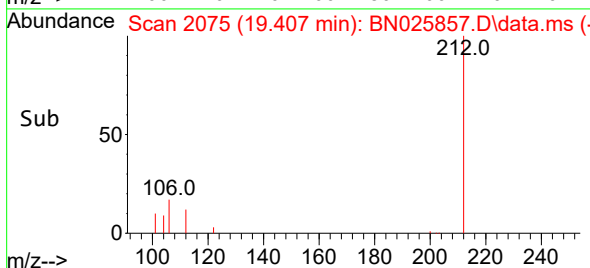
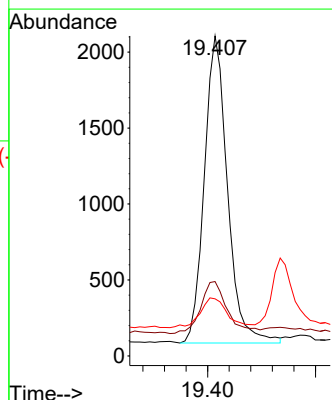
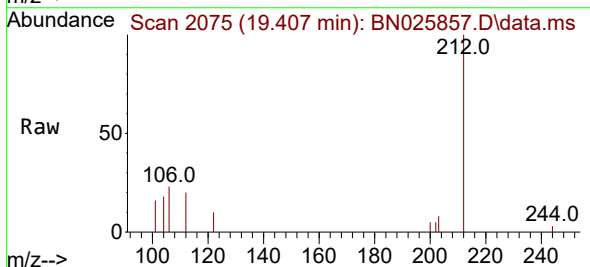
Tgt Ion:212 Resp: 3014

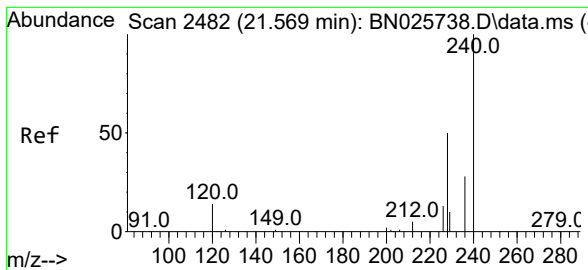
Ion Ratio Lower Upper

212 100

106 19.3 13.0 19.6

104 11.3 7.7 11.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.560 min Scan# 2482

Delta R.T. 0.000 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-823-825

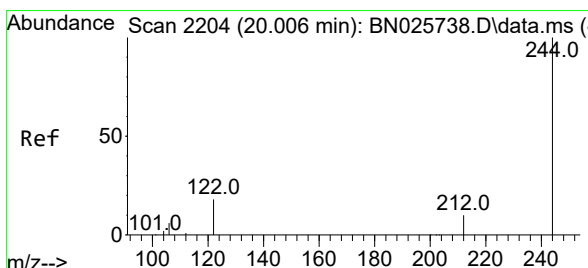
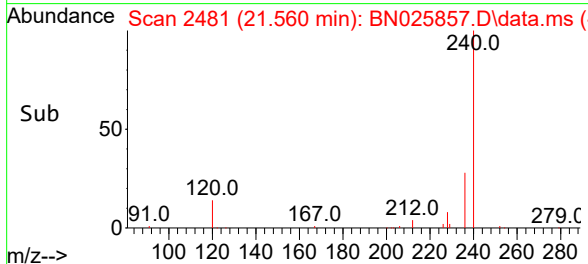
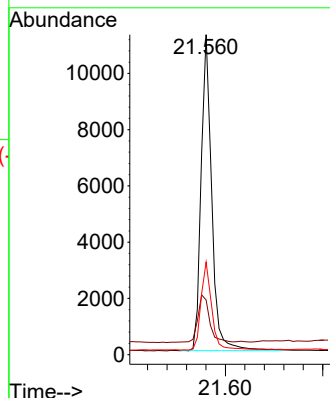
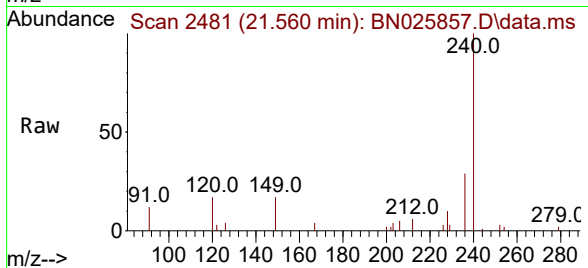
Tgt Ion:240 Resp: 16953

Ion Ratio Lower Upper

240 100

120 17.1 13.2 19.8

236 28.9 23.1 34.7



#31

Terphenyl-d14

Concen: 0.079 ng

RT: 19.997 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

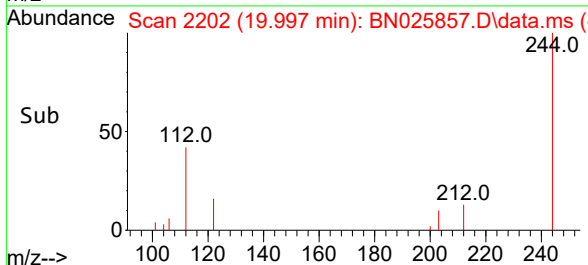
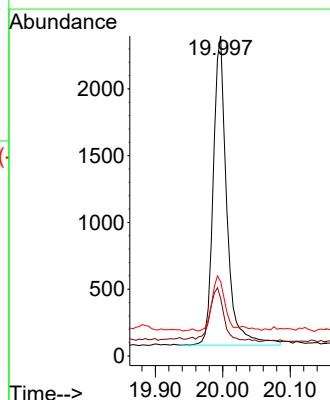
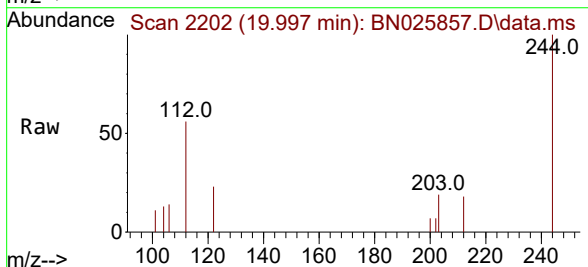
Tgt Ion:244 Resp: 3245

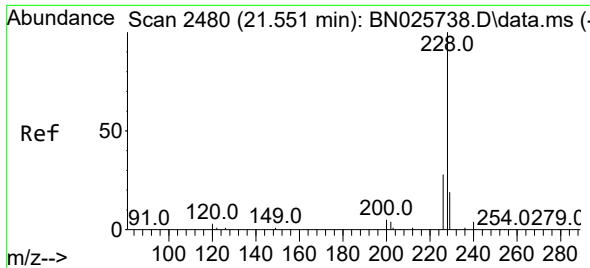
Ion Ratio Lower Upper

244 100

212 18.0 8.6 12.8#

122 23.2 15.2 22.8#

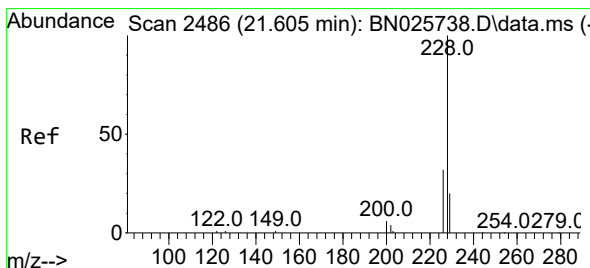
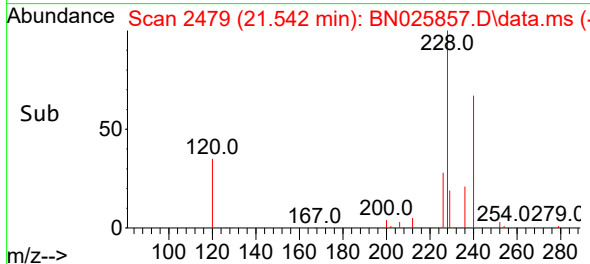
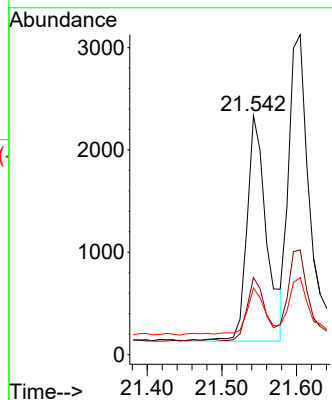
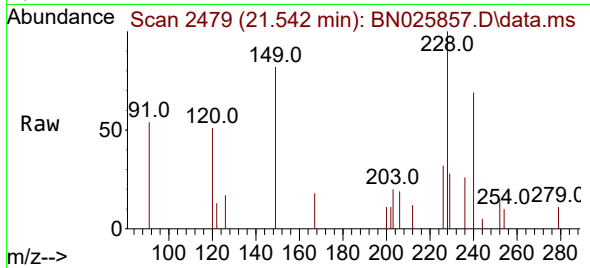




#32
Benzo(a)anthracene
Concen: 0.061 ng
RT: 21.542 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

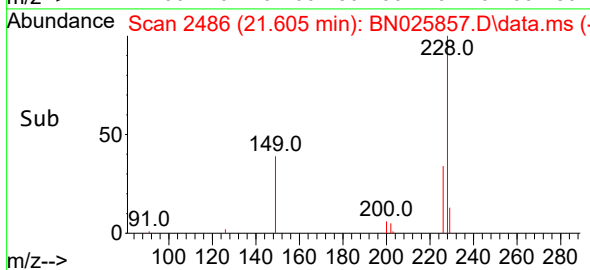
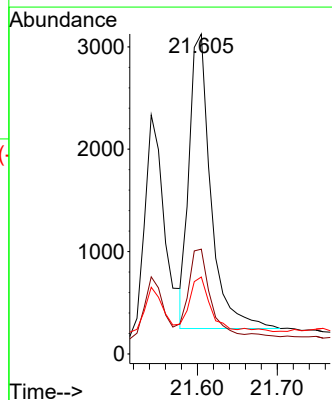
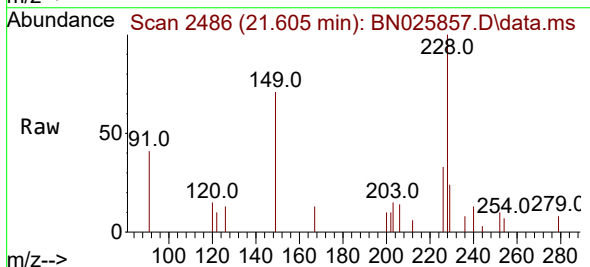
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-823-825

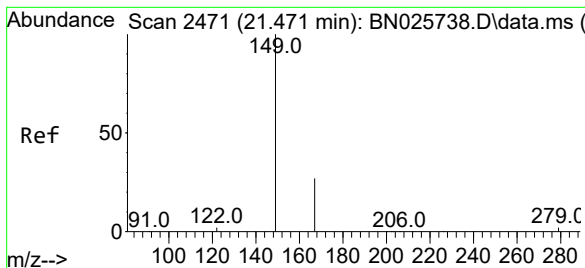
Tgt Ion:228 Resp: 4025
Ion Ratio Lower Upper
228 100
226 32.3 22.9 34.3
229 27.9 15.6 23.4#



#33
Chrysene
Concen: 0.078 ng
RT: 21.605 min Scan# 2486
Delta R.T. 0.009 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Tgt Ion:228 Resp: 5428
Ion Ratio Lower Upper
228 100
226 32.8 25.4 38.2
229 24.1 16.1 24.1

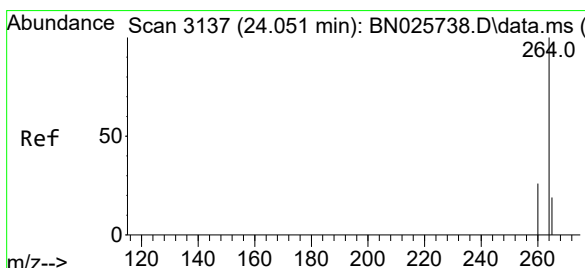
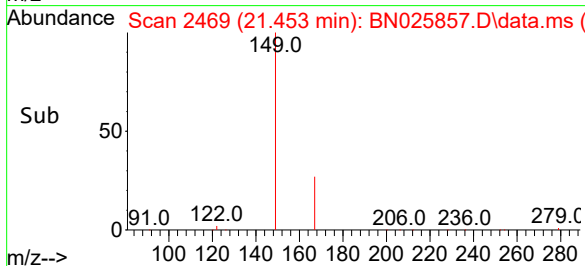
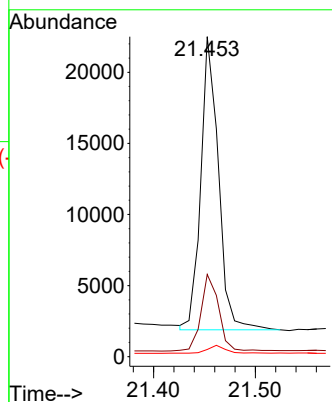
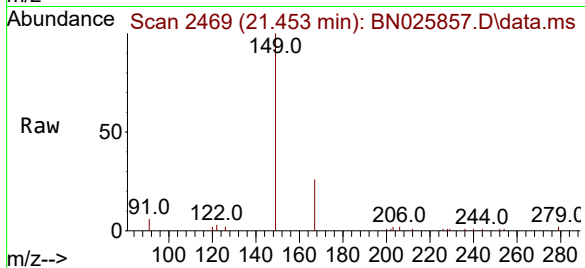




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.636 ng
 RT: 21.453 min Scan# 2469
 Delta R.T. -0.009 min
 Lab File: BN025857.D
 Acq: 15 Jun 2023 14:28

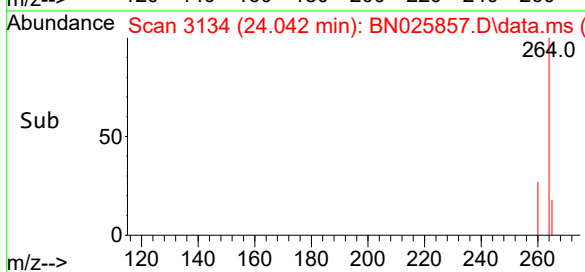
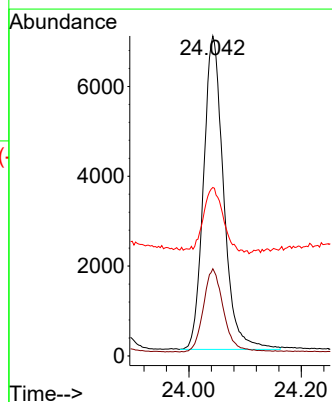
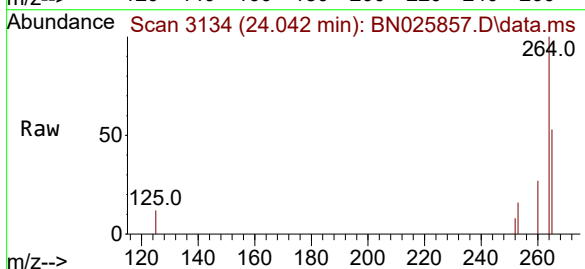
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-823-825

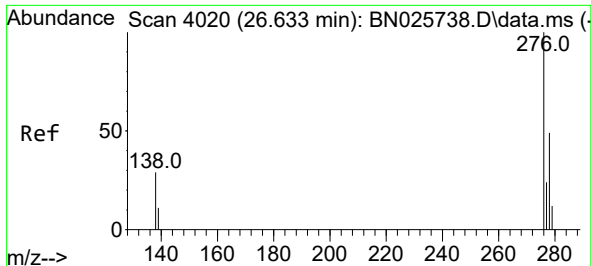
Tgt Ion:149 Resp: 24790
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.0 31.6
 279 3.0 2.2 3.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.042 min Scan# 3134
 Delta R.T. -0.006 min
 Lab File: BN025857.D
 Acq: 15 Jun 2023 14:28

Tgt Ion:264 Resp: 17336
 Ion Ratio Lower Upper
 264 100
 260 27.2 21.4 32.2
 265 52.7 44.7 67.1

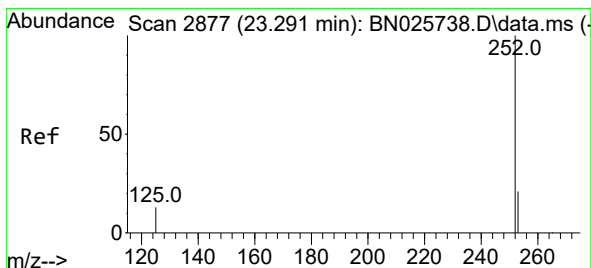
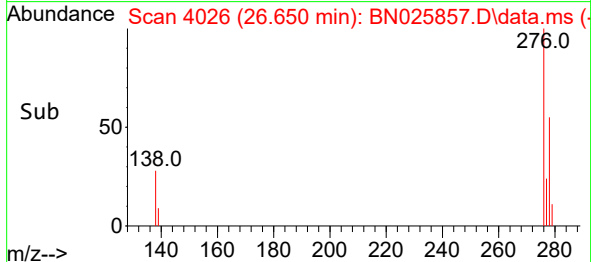
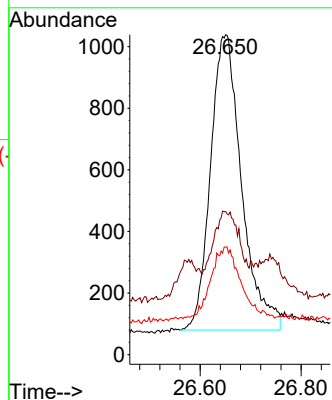
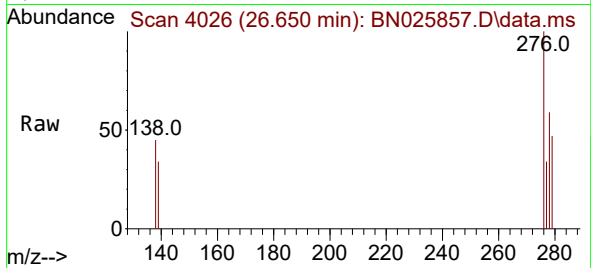




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.055 ng
 RT: 26.650 min Scan# 4026
 Delta R.T. 0.009 min
 Lab File: BN025857.D
 Acq: 15 Jun 2023 14:28

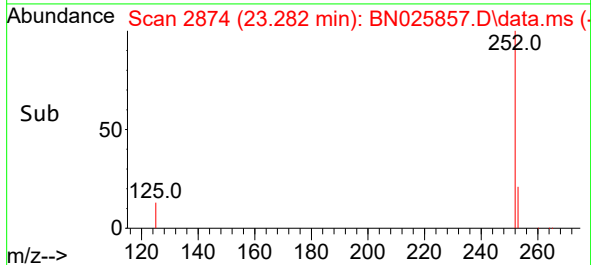
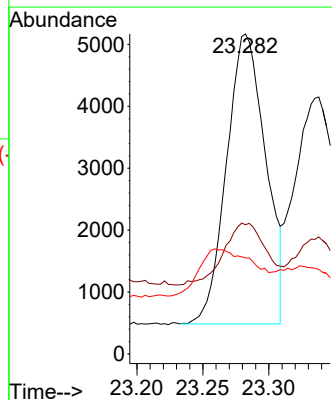
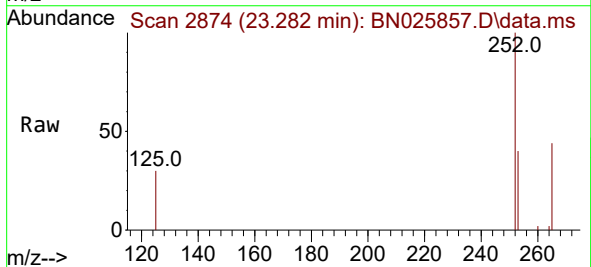
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW11-GW-823-825

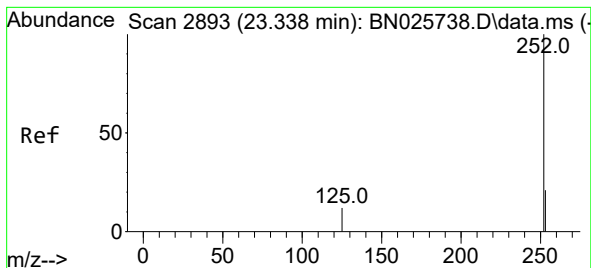
Tgt Ion:276 Resp: 4111
 Ion Ratio Lower Upper
 276 100
 138 16.2 26.1 39.1#
 277 22.7 19.4 29.2



#37
 Benzo(b)fluoranthene
 Concen: 0.141 ng
 RT: 23.282 min Scan# 2874
 Delta R.T. 0.000 min
 Lab File: BN025857.D
 Acq: 15 Jun 2023 14:28

Tgt Ion:252 Resp: 9667
 Ion Ratio Lower Upper
 252 100
 253 40.4 23.4 35.0#
 125 30.0 12.3 18.5#





#38

Benzo(k)fluoranthene

Concen: 0.108 ng

RT: 23.338 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN025857.D

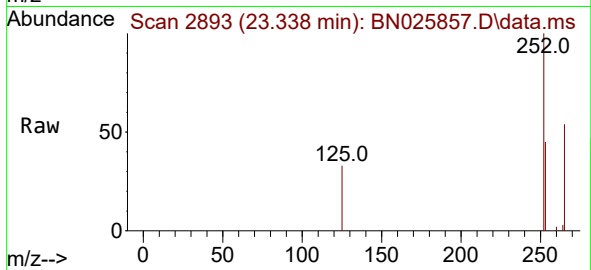
Acq: 15 Jun 2023 14:28

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW11-GW-823-825



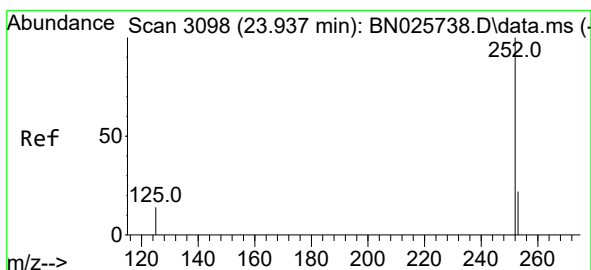
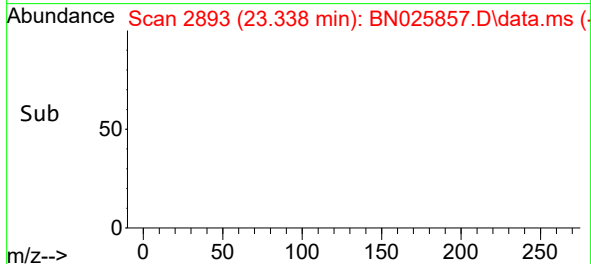
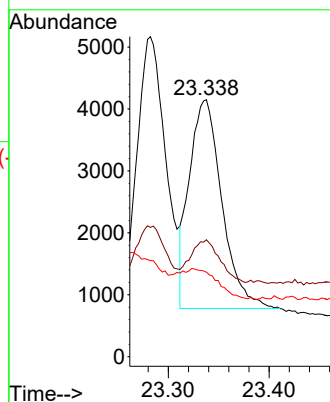
Tgt Ion:252 Resp: 7578

Ion Ratio Lower Upper

252 100

253 45.5 24.2 36.4#

125 32.9 12.2 18.2#



#39

Benzo(a)pyrene

Concen: 0.067 ng

RT: 23.931 min Scan# 3096

Delta R.T. -0.006 min

Lab File: BN025857.D

Acq: 15 Jun 2023 14:28

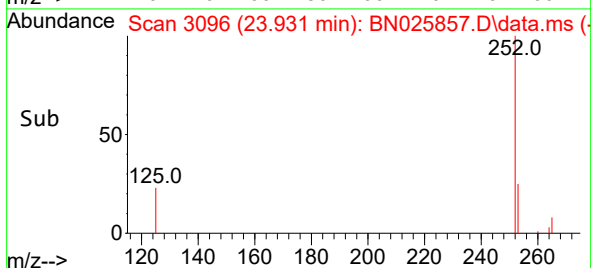
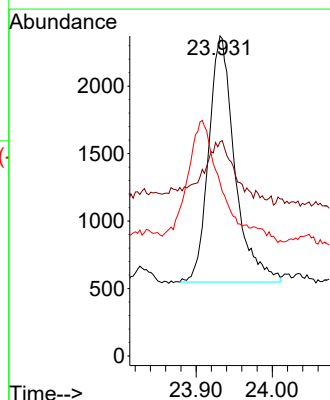
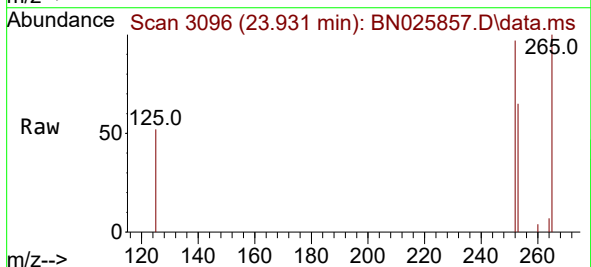
Tgt Ion:252 Resp: 4339

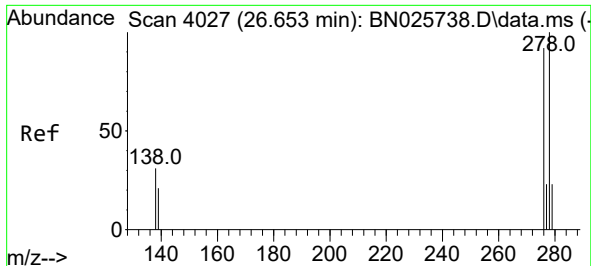
Ion Ratio Lower Upper

252 100

253 66.9 27.5 41.3#

125 54.1 14.6 21.8#

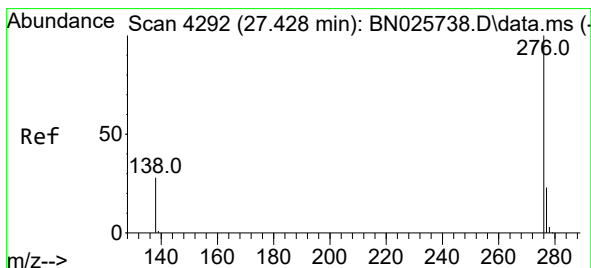
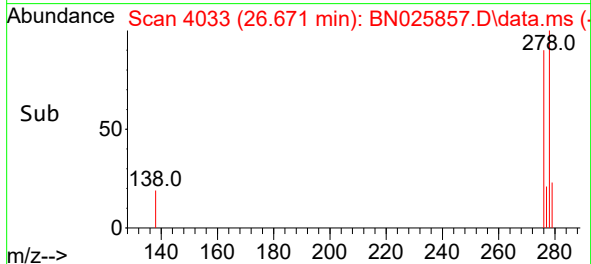
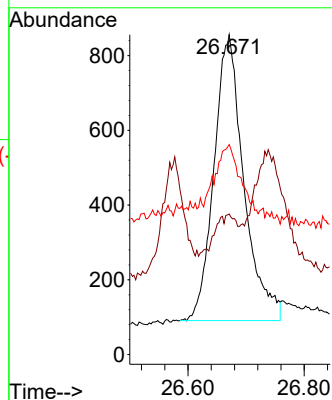
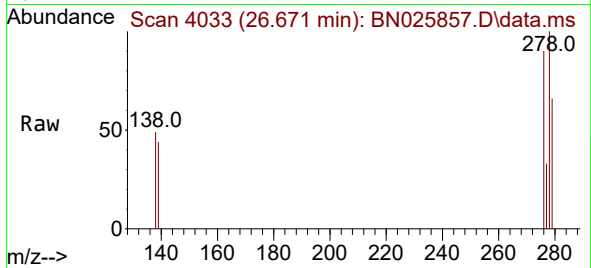




#40
Dibenzo(a,h)anthracene
Concen: 0.045 ng
RT: 26.671 min Scan# 4027
Delta R.T. 0.009 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW11-GW-823-825

Tgt Ion:278 Resp: 2722
Ion Ratio Lower Upper
278 100
139 43.9 18.7 28.1#
279 65.7 25.1 37.7#



#41
Benzo(g,h,i)perylene
Concen: 0.060 ng
RT: 27.437 min Scan# 4295
Delta R.T. -0.009 min
Lab File: BN025857.D
Acq: 15 Jun 2023 14:28

Tgt Ion:276 Resp: 4058
Ion Ratio Lower Upper
276 100
277 33.4 20.2 30.2#
138 39.7 24.2 36.4#

