

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030724\
 Data File : BN030338.D
 Acq On : 07 Mar 2024 22:08
 Operator : MA/JU
 Sample : P1660-06MS
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-195-GW-1000-1002MS

Quant Time: Mar 07 23:07:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN030524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 17:44:16 2024
 Response via : Initial Calibration

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

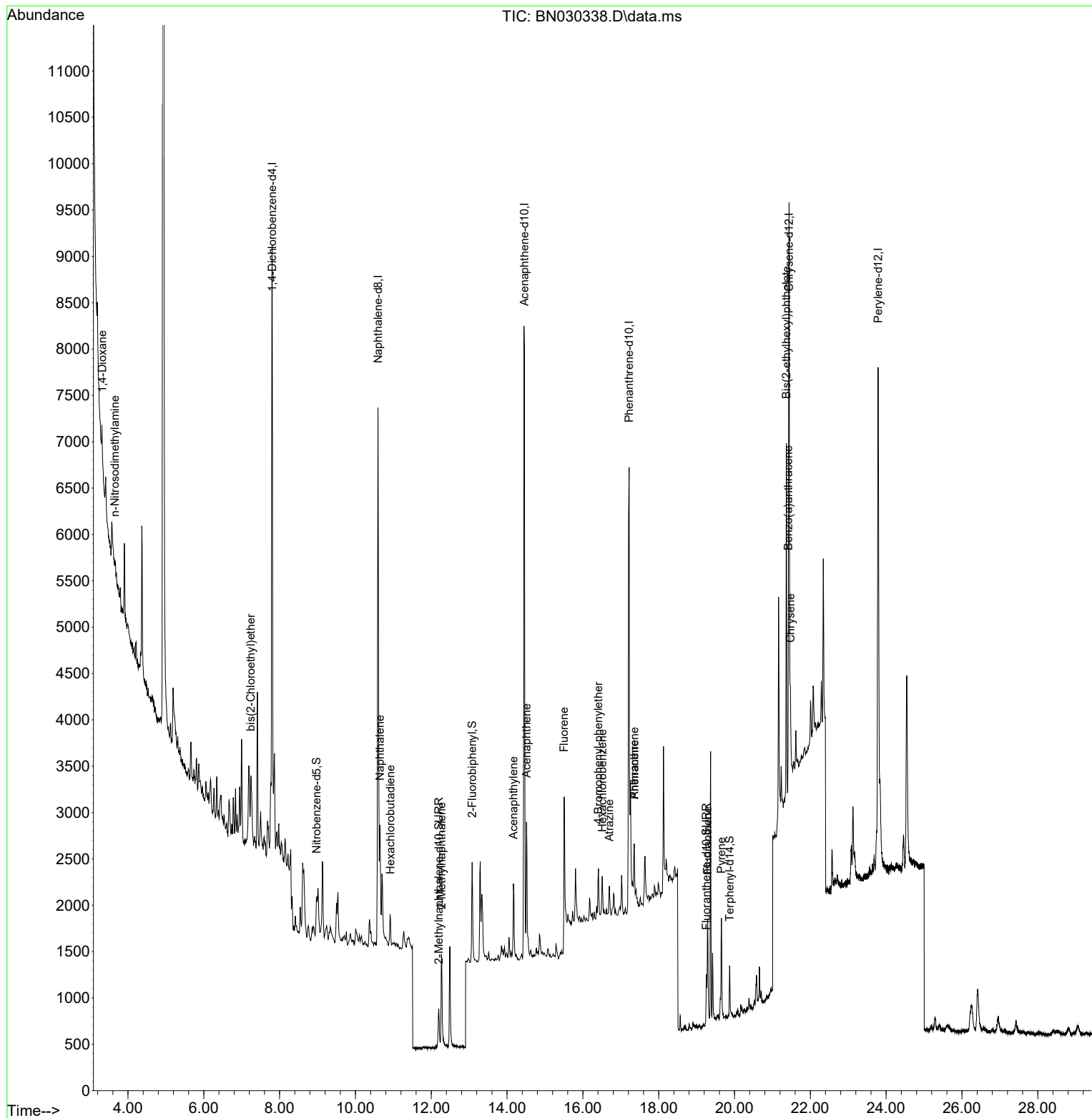
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	3454	0.400	ng	0.00
7) Naphthalene-d8	10.594	136	9081	0.400	ng	-0.01
13) Acenaphthene-d10	14.458	164	4493	0.400	ng	0.00
19) Phenanthrene-d10	17.218	188	8252	0.400	ng	# 0.00
29) Chrysene-d12	21.438	240	7361	0.400	ng	# 0.00
35) Perylene-d12	23.788	264	9039	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	54	0.006	ng	0.00
5) Phenol-d6	6.966	99	68	0.007	ng	-0.01
8) Nitrobenzene-d5	8.971	82	437	0.053	ng	0.00
11) 2-Methylnaphthalene-d10	12.201	152	882	0.067	ng	0.00
14) 2,4,6-Tribromophenol	15.952	330	10	0.004	ng	-0.01
15) 2-Fluorobiphenyl	13.079	172	1106	0.059	ng	-0.01
27) Fluoranthene-d10	19.257	212	679	0.030	ng	0.00
31) Terphenyl-d14	19.870	244	616	0.032	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.319	88	287	0.064	ng	# 77
3) n-Nitrosodimethylamine	3.658	42	156	0.033	ng	# 64
6) bis(2-Chloroethyl)ether	7.241	93	467	0.062	ng	# 85
9) Naphthalene	10.648	128	1696	0.067	ng	# 90
10) Hexachlorobutadiene	10.925	225	268	0.046	ng	# 99
12) 2-Methylnaphthalene	12.272	142	901	0.058	ng	97
16) Acenaphthylene	14.169	152	1024	0.047	ng	98
17) Acenaphthene	14.511	154	754	0.054	ng	99
18) Fluorene	15.505	166	894	0.053	ng	# 91
21) 4-Bromophenyl-phenylether	16.411	248	241	0.048	ng	# 85
22) Hexachlorobenzene	16.511	284	257	0.044	ng	97
23) Atrazine	16.697	200	238	0.053	ng	# 88
25) Phenanthrene	17.355	178	928	0.039	ng	98
26) Anthracene	17.355	178	907	0.042	ng	# 96
28) Fluoranthene	19.290	202	1045	0.036	ng	# 81
30) Pyrene	19.652	202	1078	0.035	ng	# 95
32) Benzo(a)anthracene	21.420	228	546	0.021	ng	# 72
33) Chrysene	21.474	228	612	0.022	ng	# 79
34) Bis(2-ethylhexyl)phtha...	21.367	149	3386	0.165	ng	# 98

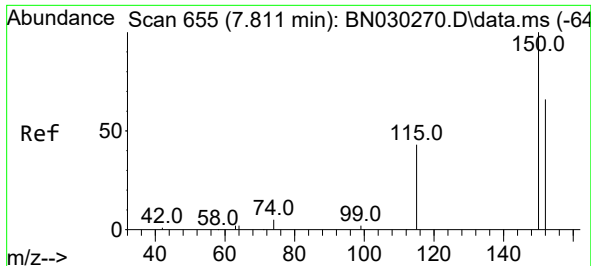
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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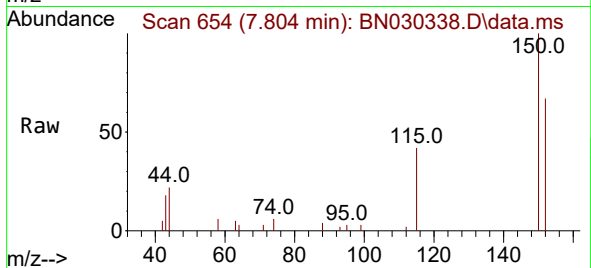
Quant Time: Mar 07 23:07:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN030524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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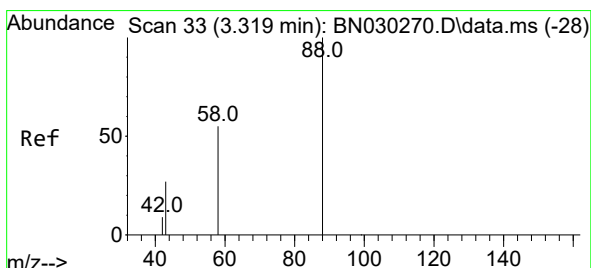
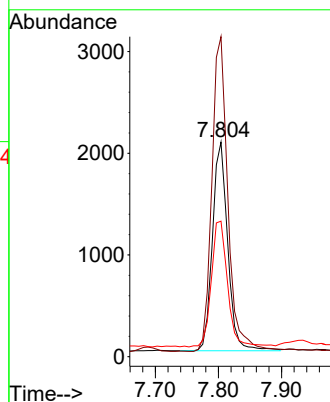
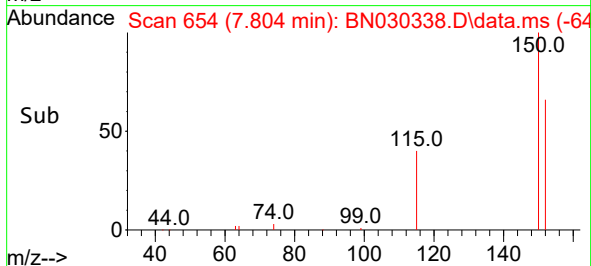


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN030338.D
 Acq: 07 Mar 2024 22:08

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-195-GW-1000-1002MS

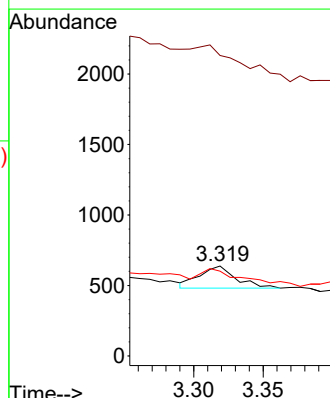
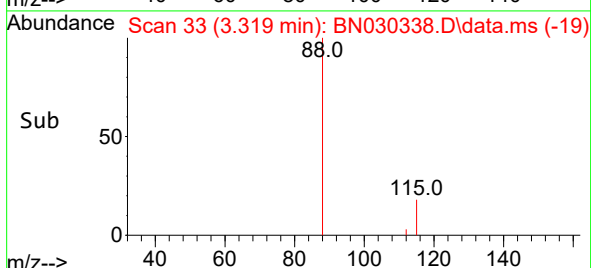
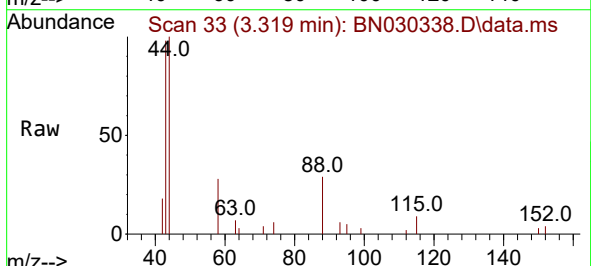


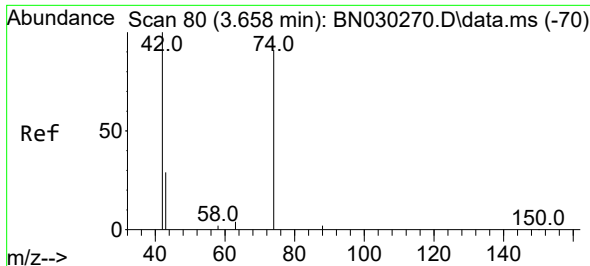
Tgt Ion:152 Resp: 3454
 Ion Ratio Lower Upper
 152 100
 150 149.1 119.4 179.0
 115 63.1 56.9 85.3



#2
 1,4-Dioxane
 Concen: 0.064 ng
 RT: 3.319 min Scan# 33
 Delta R.T. 0.000 min
 Lab File: BN030338.D
 Acq: 07 Mar 2024 22:08

Tgt Ion: 88 Resp: 287
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.8 35.8#
 58 62.0 46.2 69.4

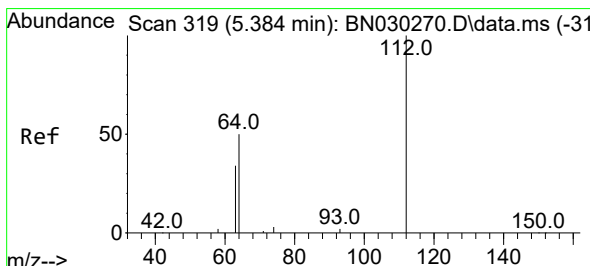
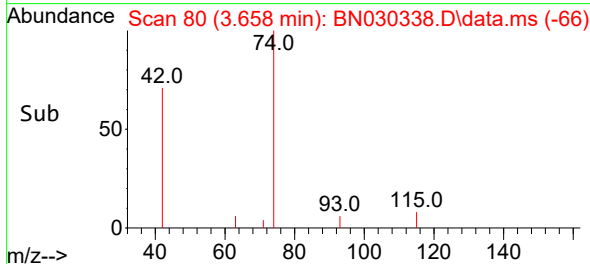
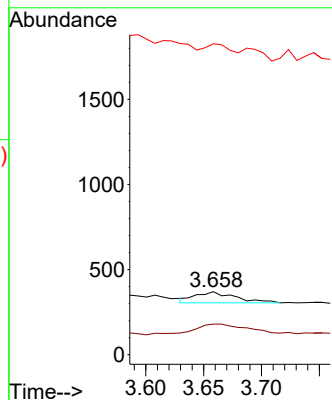
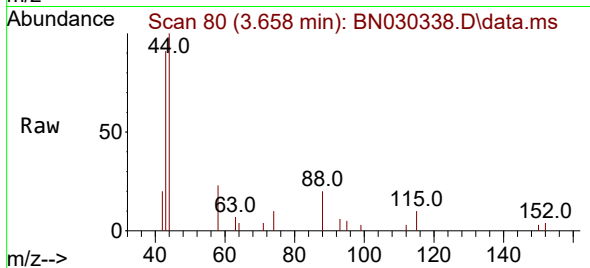




#3
 n-Nitrosodimethylamine
 Concen: 0.033 ng
 RT: 3.658 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BN030338.D
 Acq: 07 Mar 2024 22:08

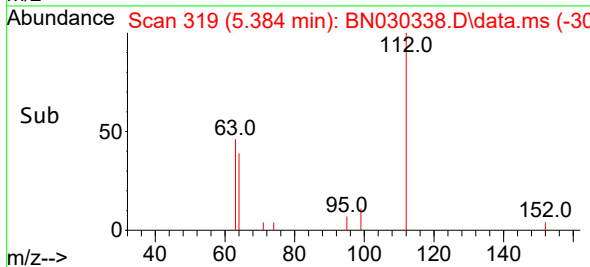
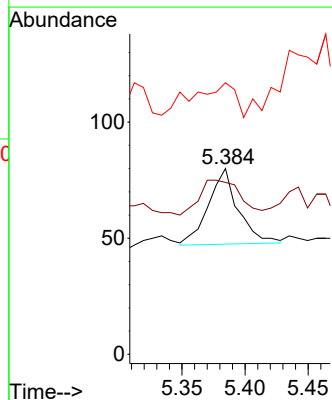
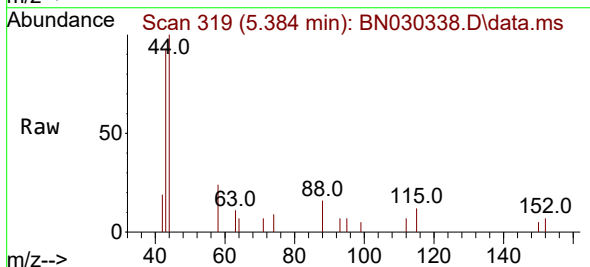
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-195-GW-1000-1002MS

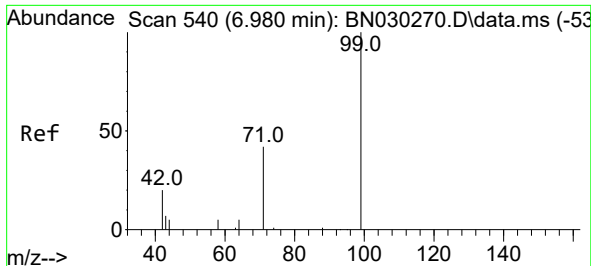
Tgt Ion: 42 Resp: 156
 Ion Ratio Lower Upper
 42 100
 74 135.3 79.4 119.0#
 44 32.1 0.0 0.0#



#4
 2-Fluorophenol
 Concen: 0.006 ng
 RT: 5.384 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: BN030338.D
 Acq: 07 Mar 2024 22:08

Tgt Ion: 112 Resp: 54
 Ion Ratio Lower Upper
 112 100
 64 61.1 41.8 62.8
 63 64.8 27.1 40.7#

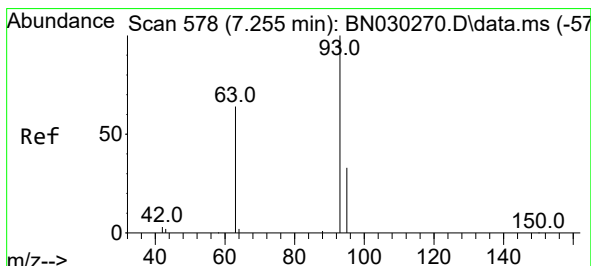
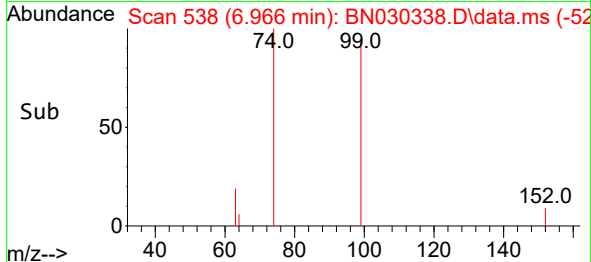
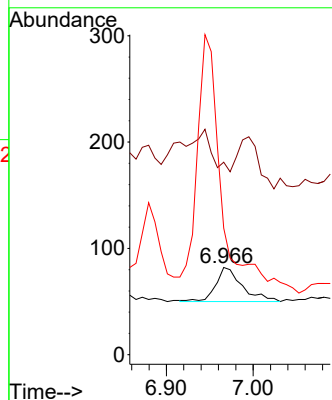
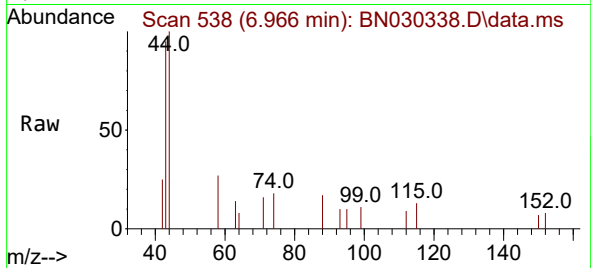




#5
Phenol-d6
Concen: 0.007 ng
RT: 6.966 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

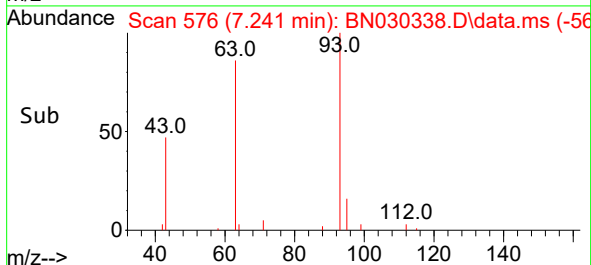
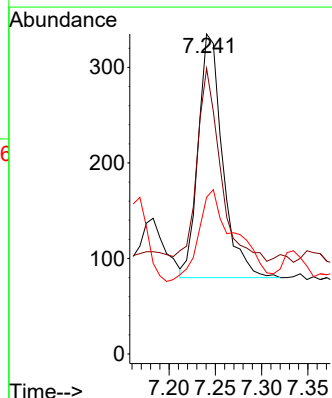
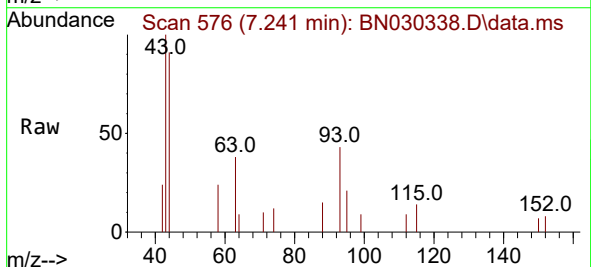
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS

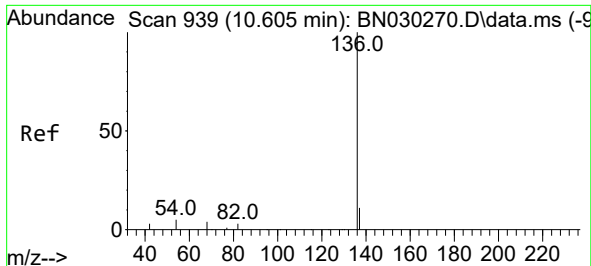
Tgt Ion: 99 Resp: 68
Ion Ratio Lower Upper
99 100
42 0.0 19.0 28.6#
71 0.0 36.0 54.0#



#6
bis(2-Chloroethyl)ether
Concen: 0.062 ng
RT: 7.241 min Scan# 576
Delta R.T. -0.014 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion: 93 Resp: 467
Ion Ratio Lower Upper
93 100
63 75.2 57.7 86.5
95 58.7 28.6 43.0#

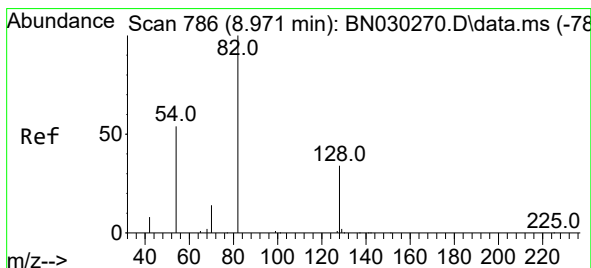
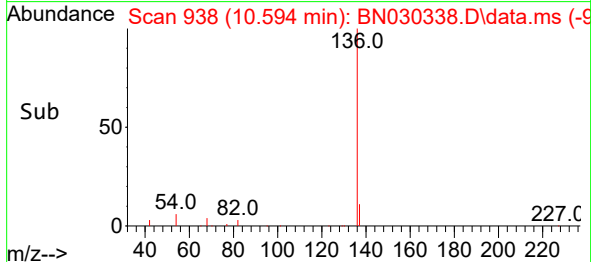
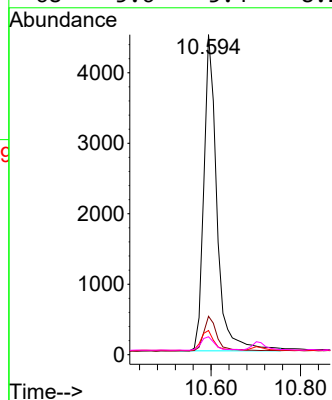
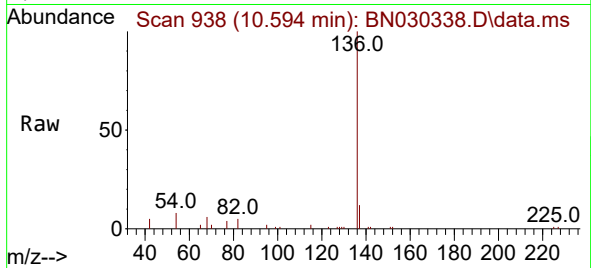




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

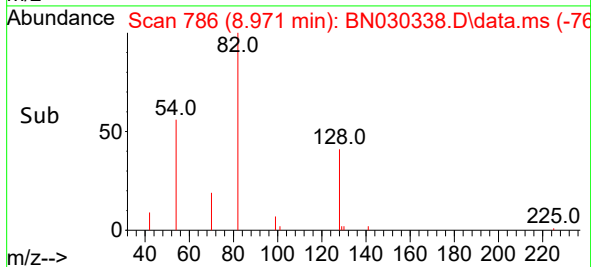
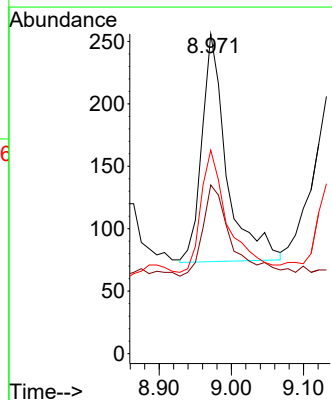
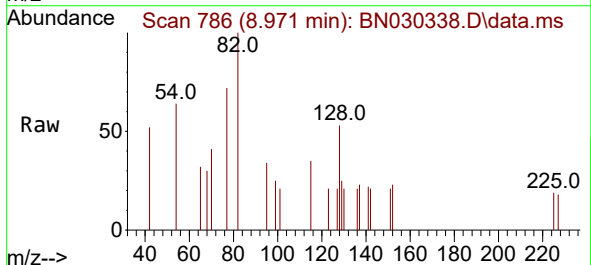
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS

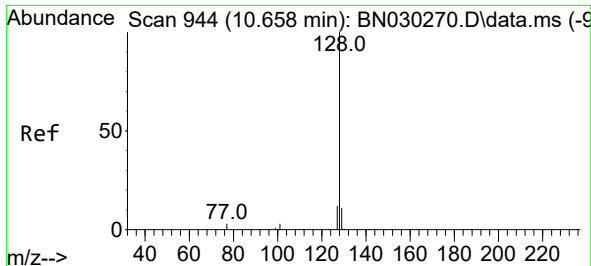
Tgt Ion:	136	Resp:	9081
Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.5	15.7
54	7.6	6.4	9.6
68	5.6	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.053 ng
RT: 8.971 min Scan# 786
Delta R.T. 0.000 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:	82	Resp:	437
Ion	Ratio	Lower	Upper
82	100		
128	52.7	32.2	48.2#
54	63.7	47.3	70.9

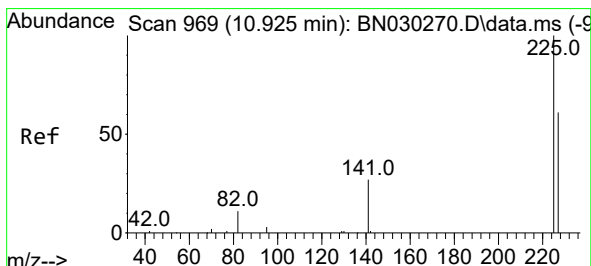
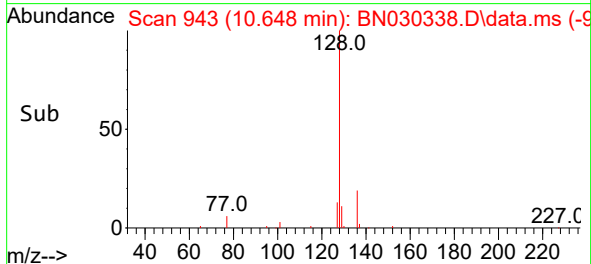
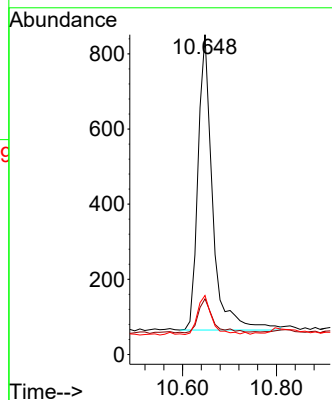
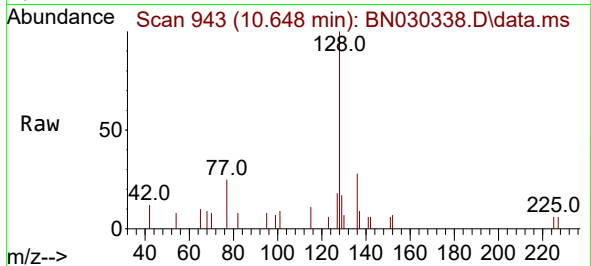




#9
Naphthalene
Concen: 0.067 ng
RT: 10.648 min Scan# 944
Delta R.T. -0.011 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

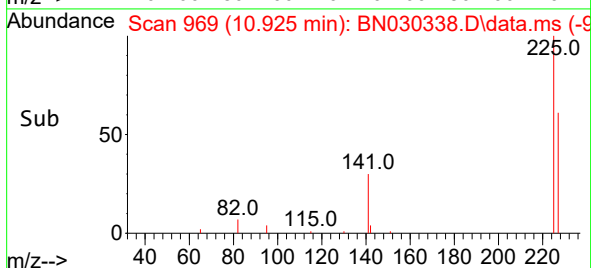
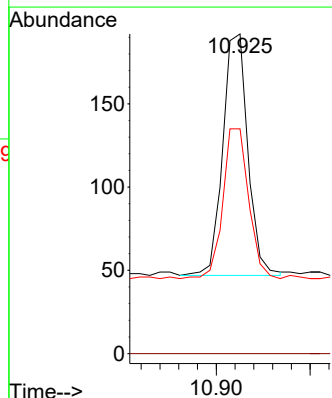
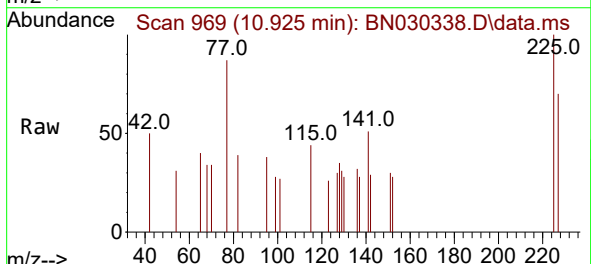
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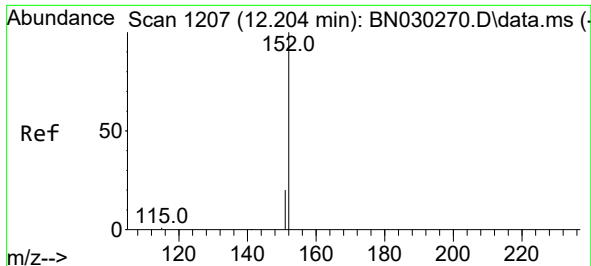
Tgt Ion:128 Resp: 1696
Ion Ratio Lower Upper
128 100
129 17.4 10.8 16.2#
127 18.4 11.7 17.5#



#10
Hexachlorobutadiene
Concen: 0.046 ng
RT: 10.925 min Scan# 969
Delta R.T. 0.000 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:225 Resp: 268
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 50.6 76.0

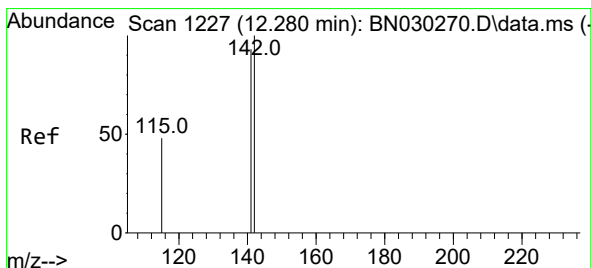
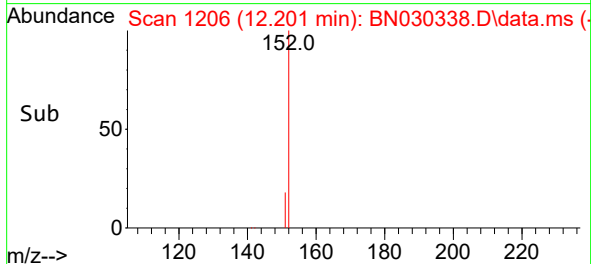
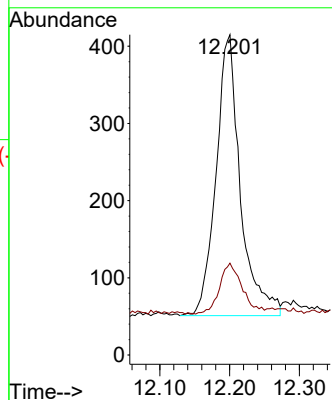
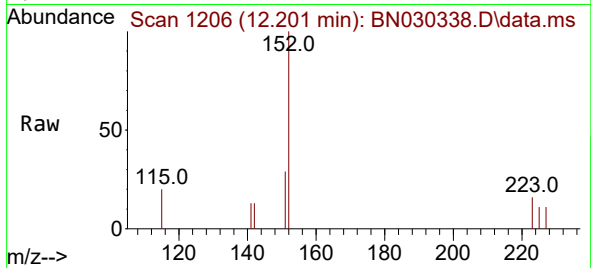




#11
2-Methylnaphthalene-d10
Concen: 0.067 ng
RT: 12.201 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

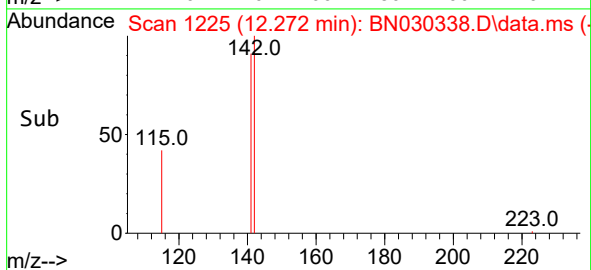
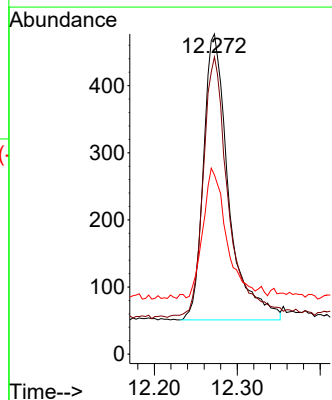
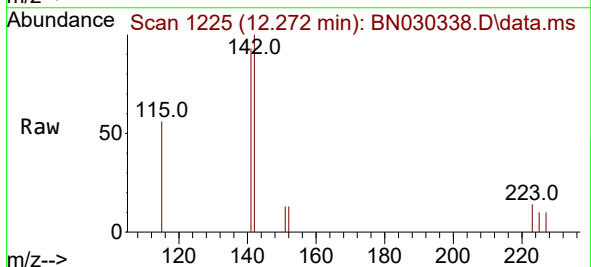
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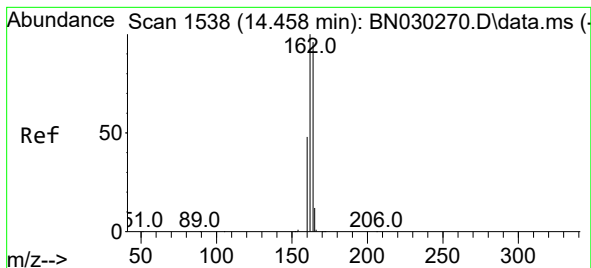
Tgt Ion:152 Resp: 882
Ion Ratio Lower Upper
152 100
151 17.1 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.058 ng
RT: 12.272 min Scan# 1225
Delta R.T. -0.007 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:142 Resp: 901
Ion Ratio Lower Upper
142 100
141 92.9 74.2 111.4
115 56.0 40.7 61.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-1000-1002MS

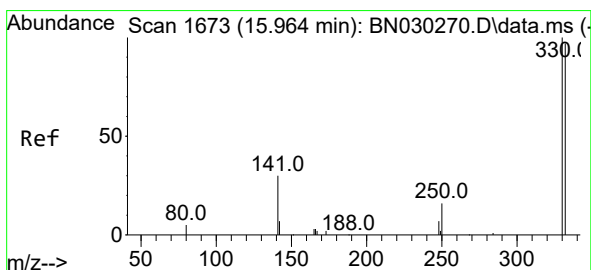
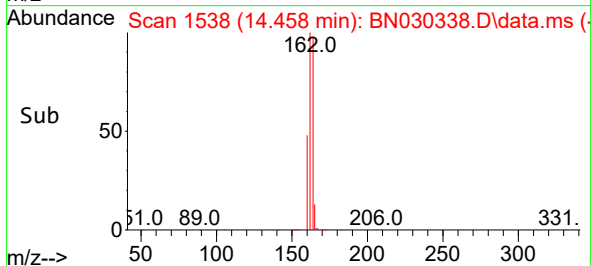
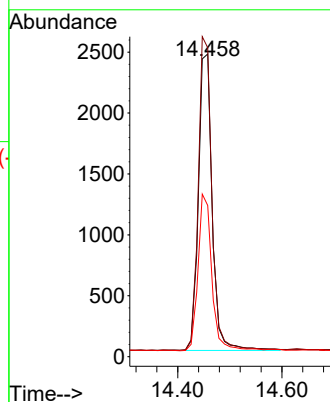
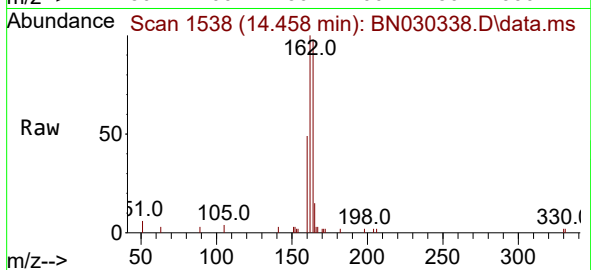
Tgt Ion:164 Resp: 4493

Ion Ratio Lower Upper

164 100

162 102.1 83.4 125.2

160 49.9 41.7 62.5



#14

2,4,6-Tribromophenol

Concen: 0.004 ng

RT: 15.952 min Scan# 1672

Delta R.T. -0.012 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

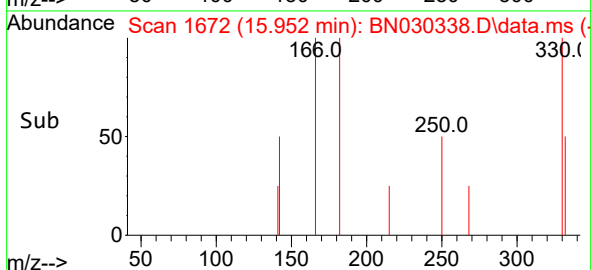
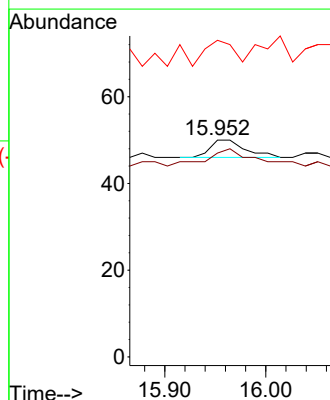
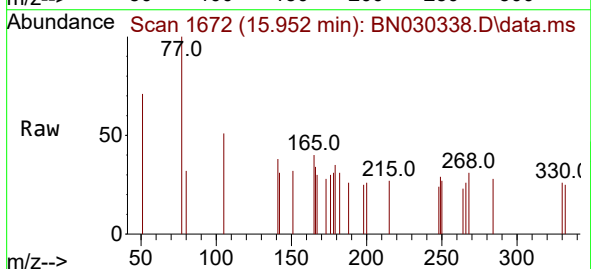
Tgt Ion:330 Resp: 10

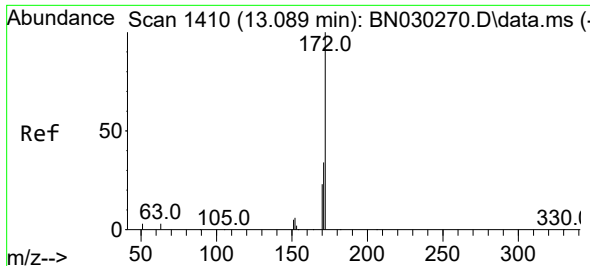
Ion Ratio Lower Upper

330 100

332 130.0 72.6 108.8#

141 160.0 41.3 61.9#

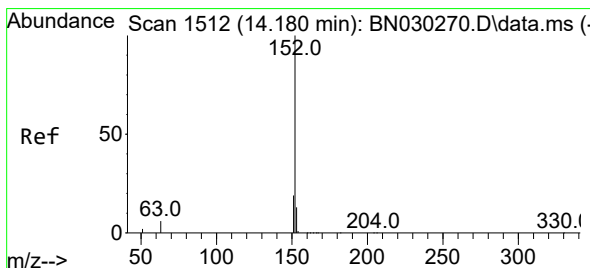
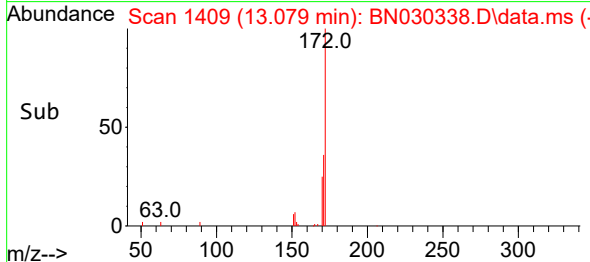
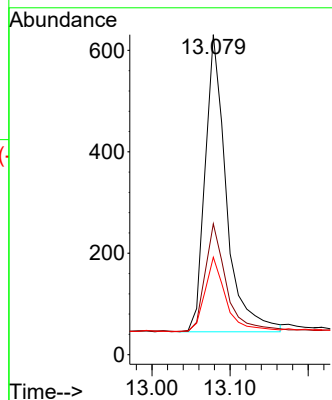
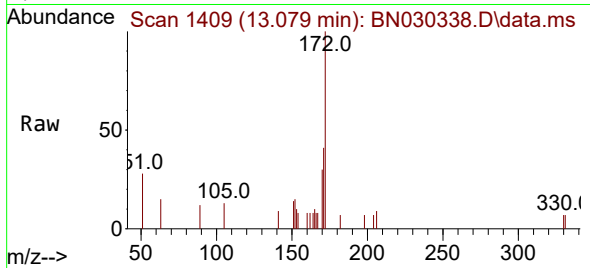




#15
2-Fluorobiphenyl
Concen: 0.059 ng
RT: 13.079 min Scan# 1410
Delta R.T. -0.011 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

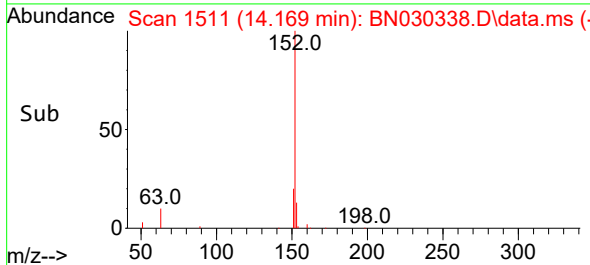
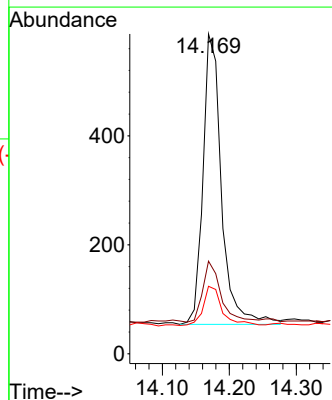
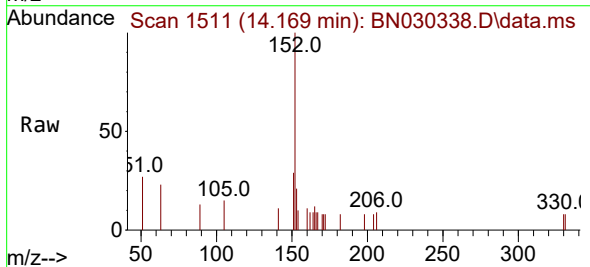
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS

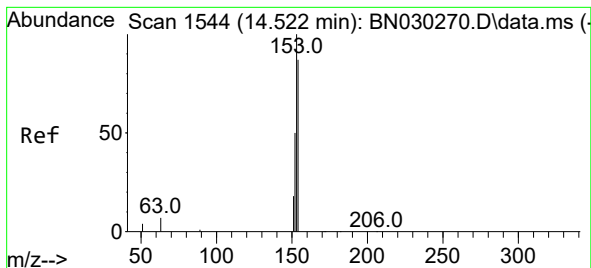
Tgt Ion:172 Resp: 1106
Ion Ratio Lower Upper
172 100
171 40.9 29.0 43.4
170 30.4 20.2 30.2#



#16
Acenaphthylene
Concen: 0.047 ng
RT: 14.169 min Scan# 1511
Delta R.T. -0.011 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:152 Resp: 1024
Ion Ratio Lower Upper
152 100
151 20.6 16.1 24.1
153 14.6 10.3 15.5





#17

Acenaphthene

Concen: 0.054 ng

RT: 14.511 min Scan# 1543

Delta R.T. -0.011 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-1000-1002MS

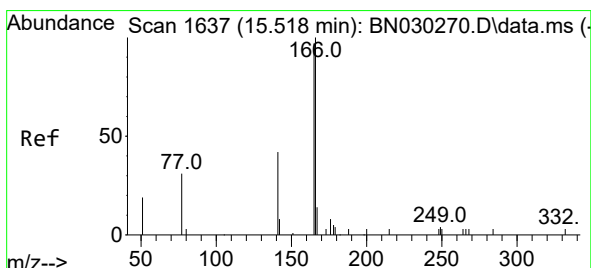
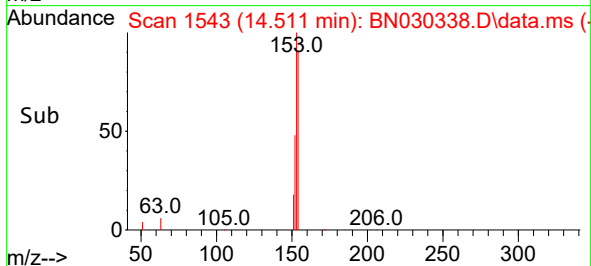
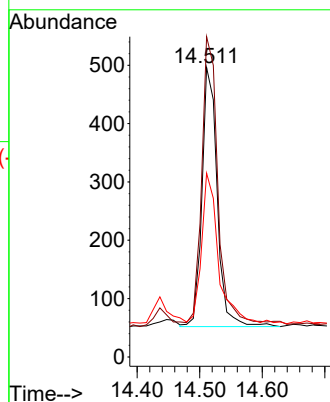
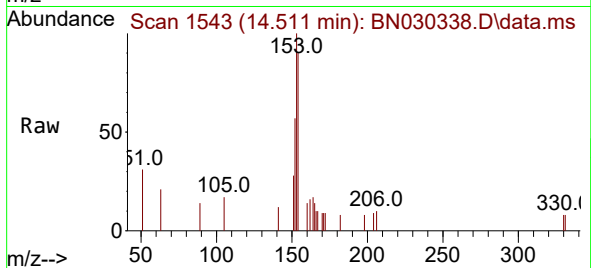
Tgt Ion:154 Resp: 754

Ion Ratio Lower Upper

154 100

153 116.3 92.9 139.3

152 62.1 47.3 70.9



#18

Fluorene

Concen: 0.053 ng

RT: 15.505 min Scan# 1636

Delta R.T. -0.012 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

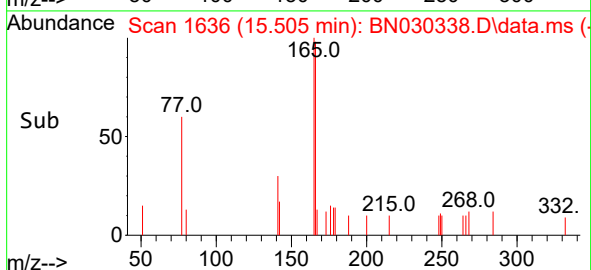
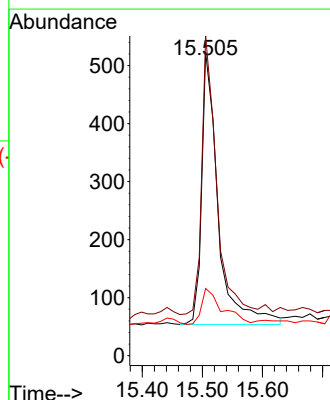
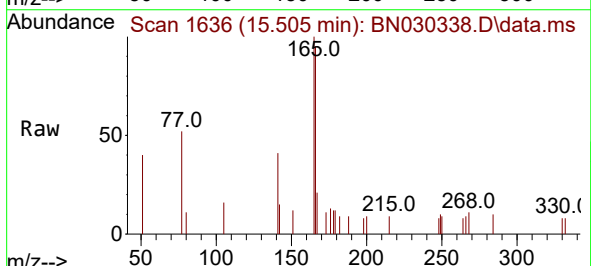
Tgt Ion:166 Resp: 894

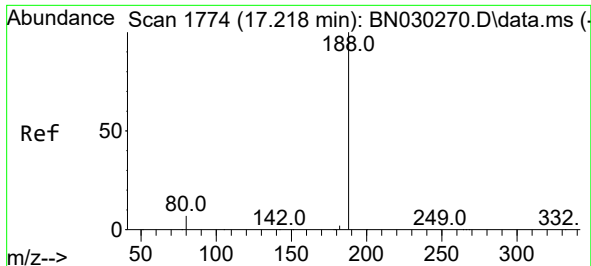
Ion Ratio Lower Upper

166 100

165 91.2 79.9 119.9

167 16.6 11.0 16.4#

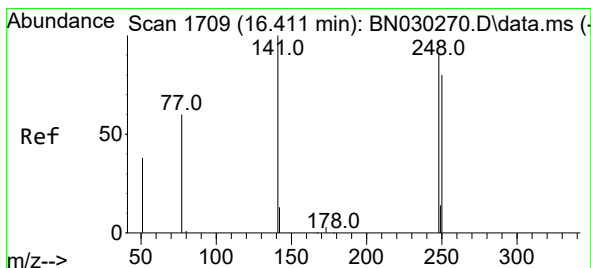
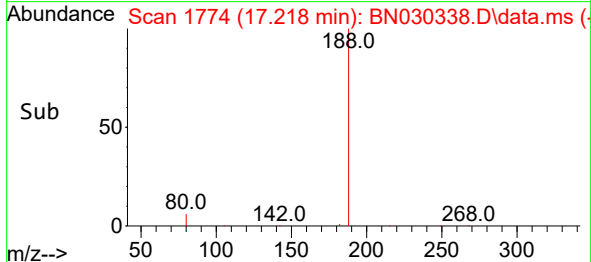
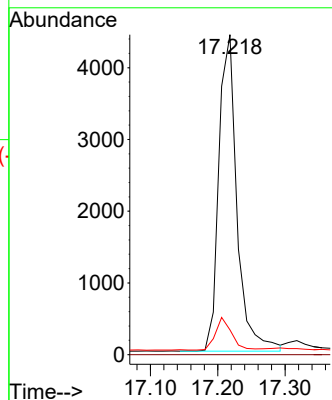
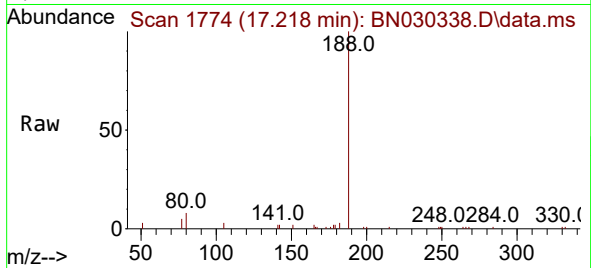




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.218 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

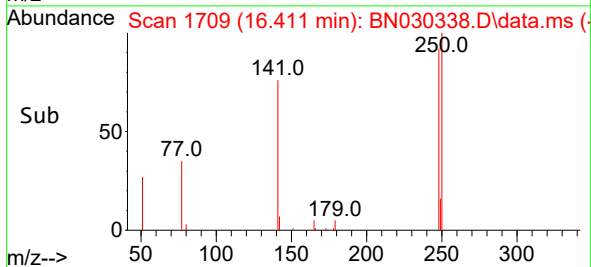
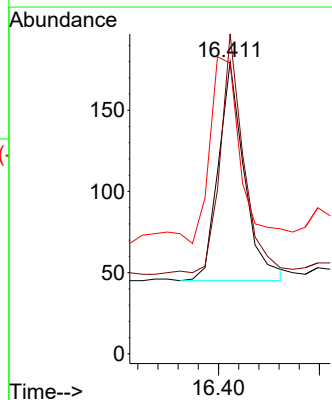
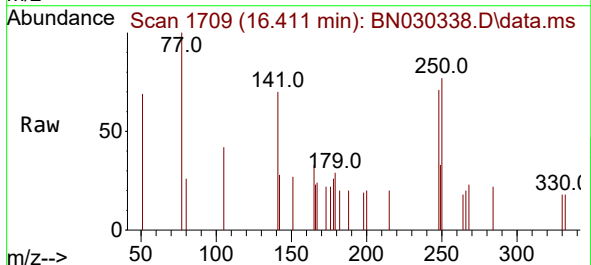
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS

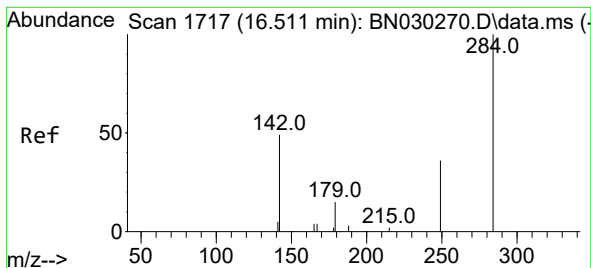
Tgt Ion:188 Resp: 8252
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.8 7.8 11.6#



#21
4-Bromophenyl-phenylether
Concen: 0.048 ng
RT: 16.411 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:248 Resp: 241
Ion Ratio Lower Upper
248 100
250 109.4 71.3 106.9#
141 99.4 88.0 132.0





#22

Hexachlorobenzene

Concen: 0.044 ng

RT: 16.511 min Scan# 1717

Delta R.T. 0.000 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-1000-1002MS

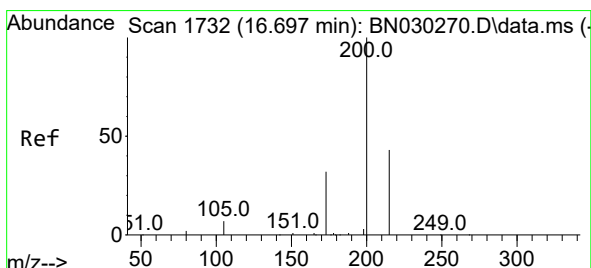
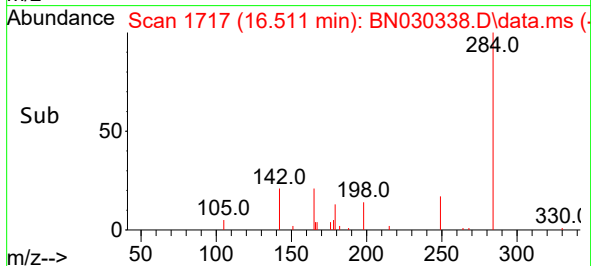
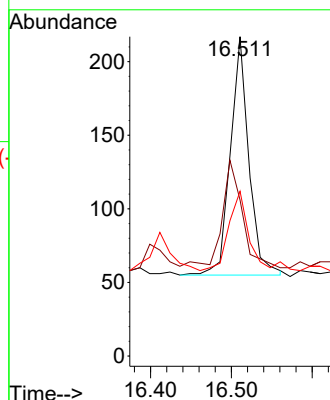
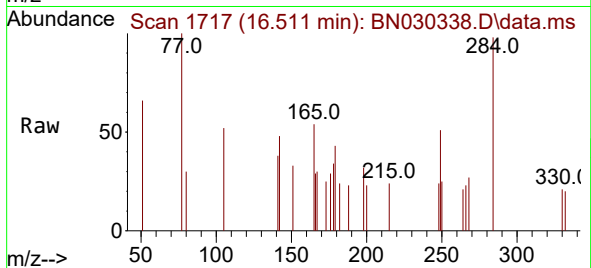
Tgt Ion:284 Resp: 257

Ion Ratio Lower Upper

284 100

142 49.0 41.0 61.6

249 35.4 27.4 41.2



#23

Atrazine

Concen: 0.053 ng

RT: 16.697 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

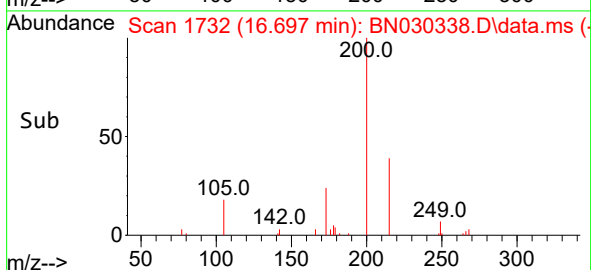
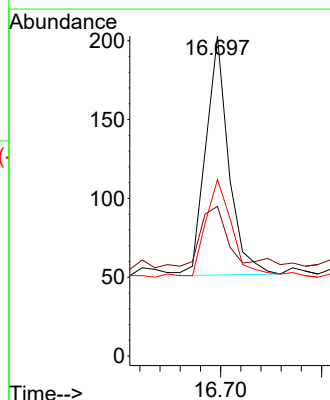
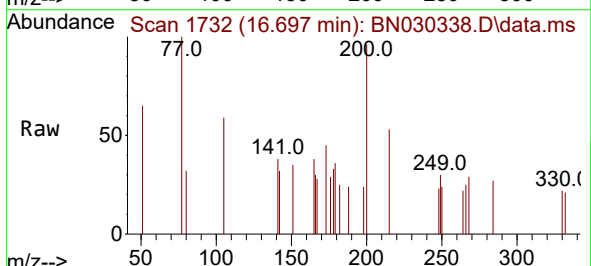
Tgt Ion:200 Resp: 238

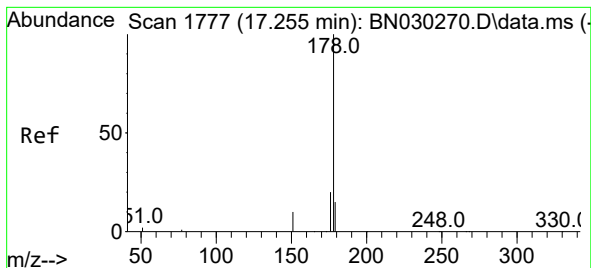
Ion Ratio Lower Upper

200 100

173 46.8 30.8 46.2#

215 55.2 38.7 58.1





#25

Phenanthrene

Concen: 0.039 ng

RT: 17.355 min Scan# 1777

Delta R.T. 0.099 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-1000-1002MS

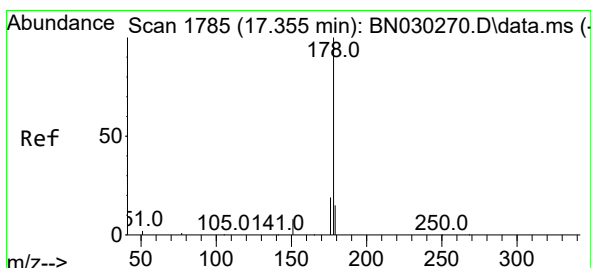
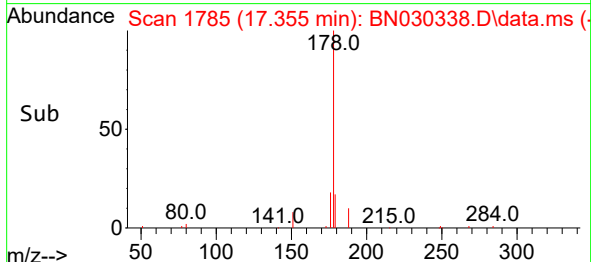
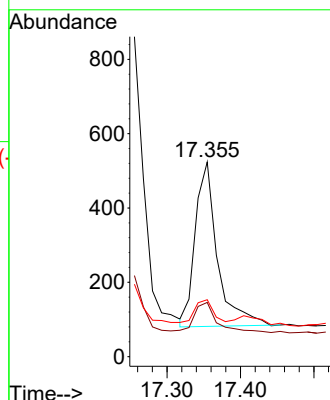
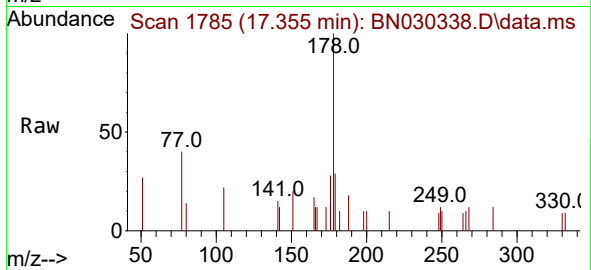
Tgt Ion:178 Resp: 928

Ion Ratio Lower Upper

178 100

176 20.6 16.0 24.0

179 16.8 12.4 18.6



#26

Anthracene

Concen: 0.042 ng

RT: 17.355 min Scan# 1785

Delta R.T. 0.000 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

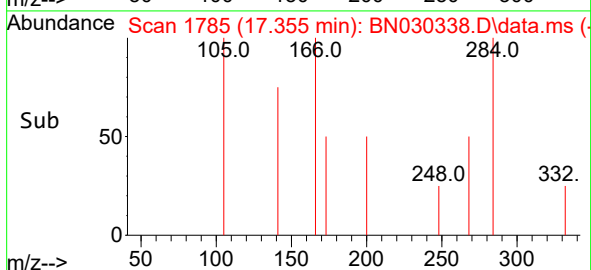
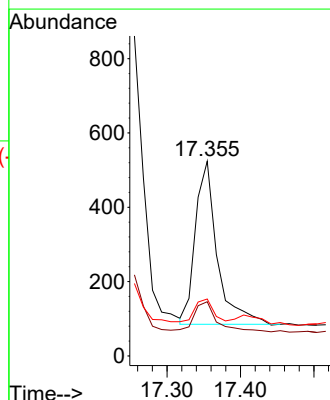
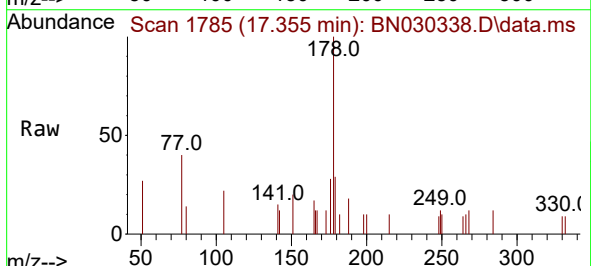
Tgt Ion:178 Resp: 907

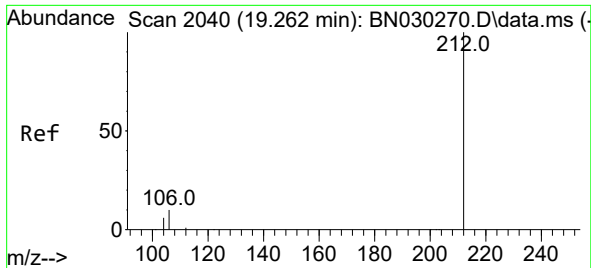
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 11.9 12.5 18.7#

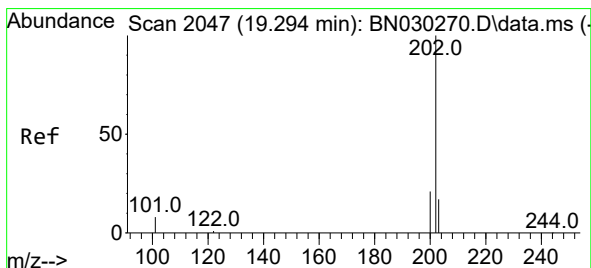
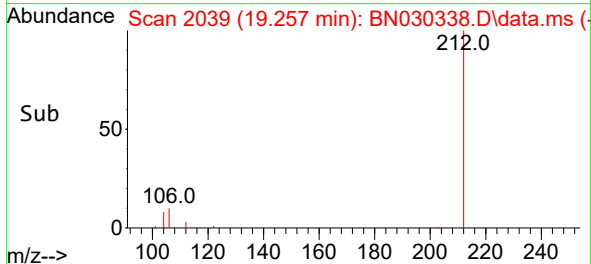
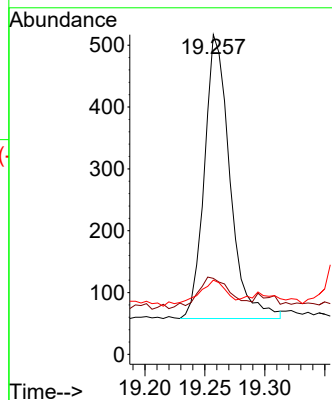
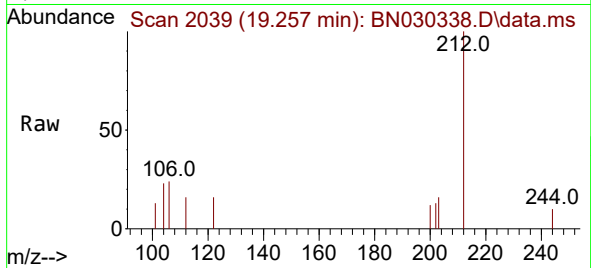




#27
Fluoranthene-d10
Concen: 0.030 ng
RT: 19.257 min Scan# 2039
Delta R.T. -0.005 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

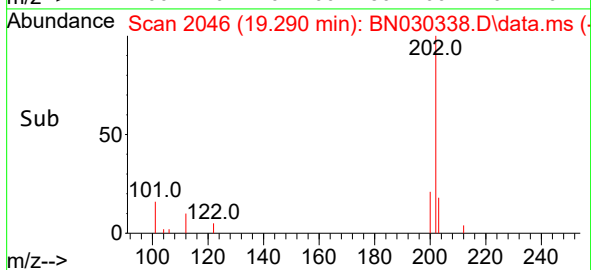
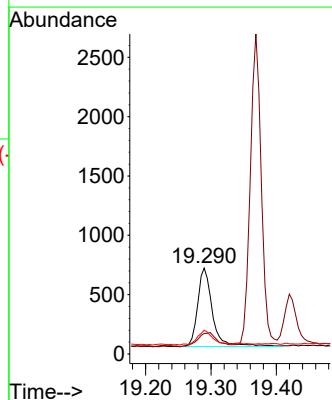
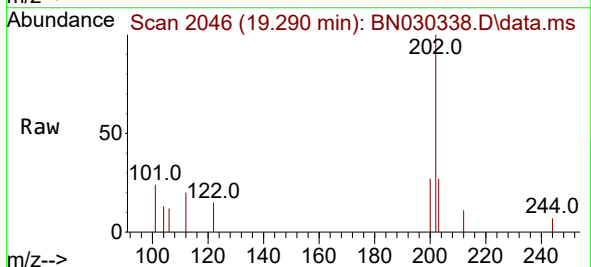
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS

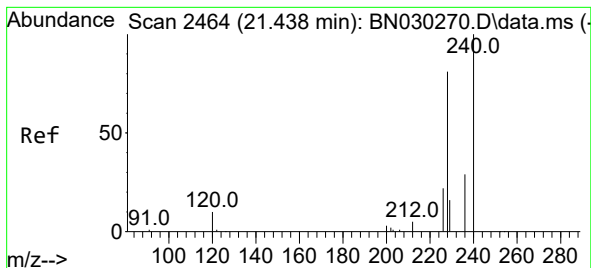
Tgt Ion:212 Resp: 679
Ion Ratio Lower Upper
212 100
106 7.7 8.2 12.4#
104 10.3 4.7 7.1#



#28
Fluoranthene
Concen: 0.036 ng
RT: 19.290 min Scan# 2046
Delta R.T. -0.005 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:202 Resp: 1045
Ion Ratio Lower Upper
202 100
101 23.7 6.3 9.5#
203 19.5 13.4 20.0





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.438 min Scan# 2464

Delta R.T. 0.000 min

Lab File: BN030338.D

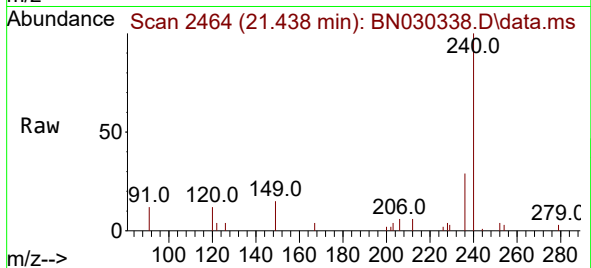
Acq: 07 Mar 2024 22:08

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-1000-1002MS



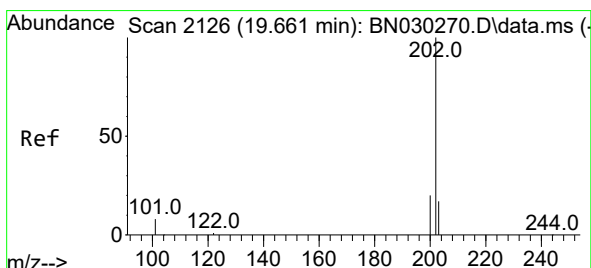
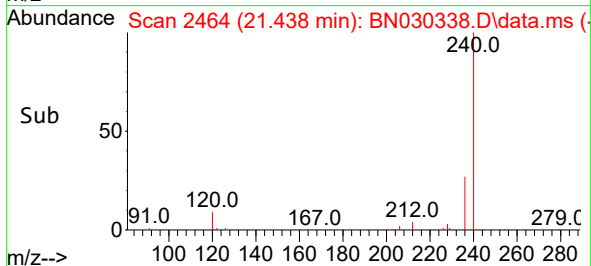
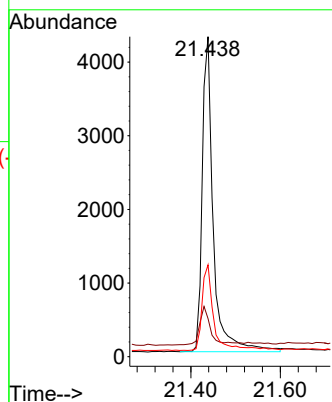
Tgt Ion:240 Resp: 7361

Ion Ratio Lower Upper

240 100

120 11.9 12.2 18.2#

236 28.7 25.2 37.8



#30

Pyrene

Concen: 0.035 ng

RT: 19.652 min Scan# 2124

Delta R.T. -0.009 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

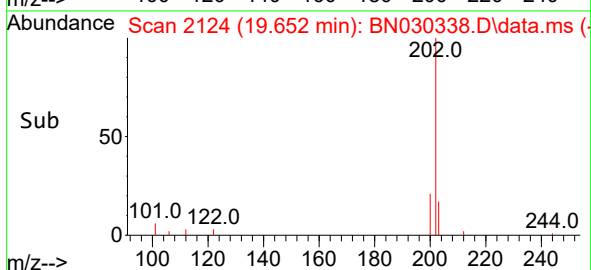
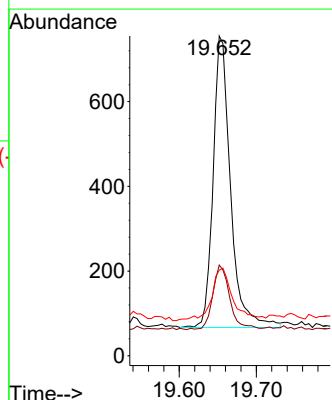
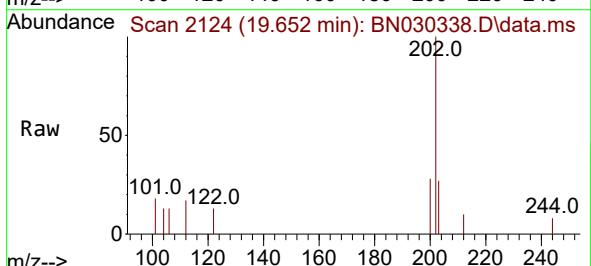
Tgt Ion:202 Resp: 1078

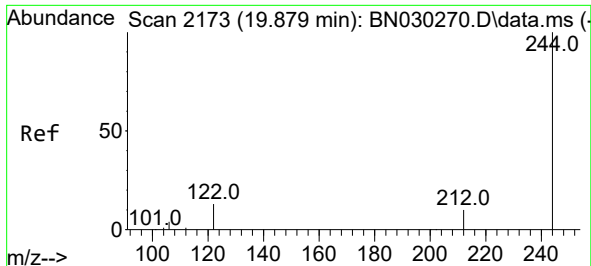
Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

203 22.2 14.1 21.1#

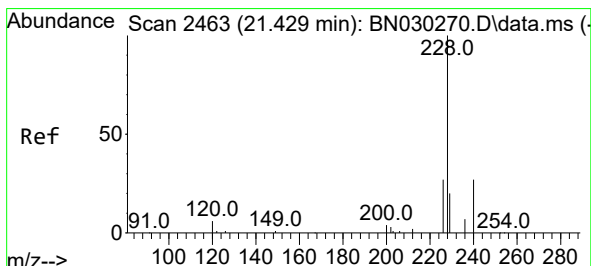
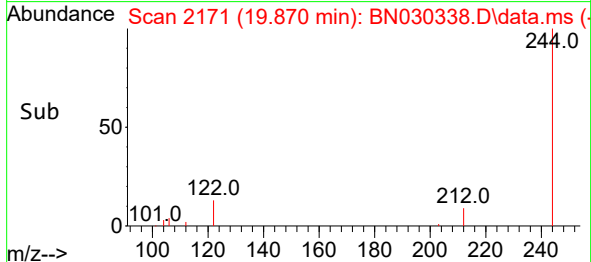
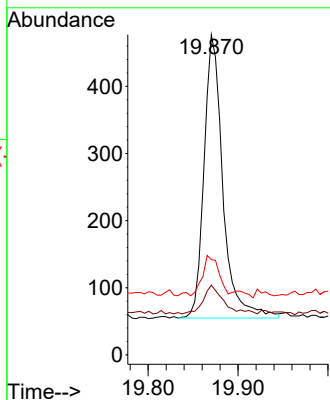
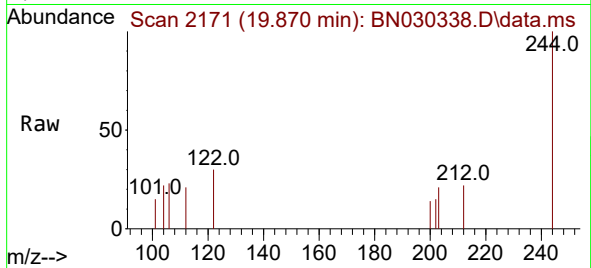




#31
Terphenyl-d14
Concen: 0.032 ng
RT: 19.870 min Scan# 2173
Delta R.T. -0.009 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

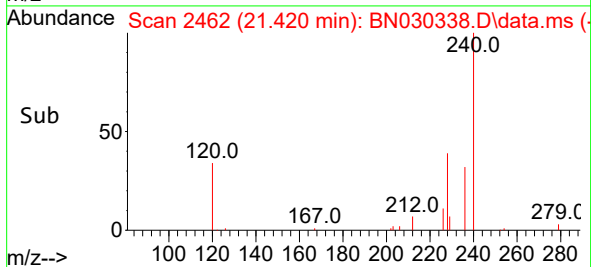
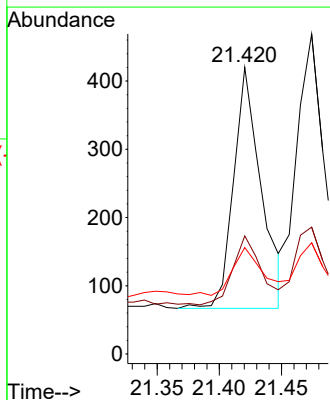
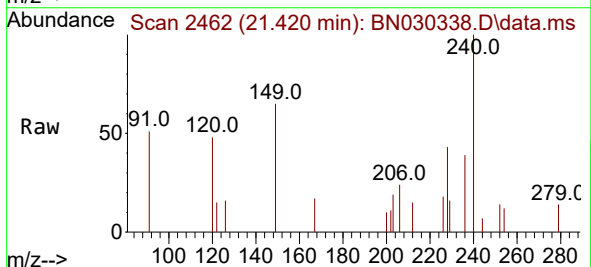
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS

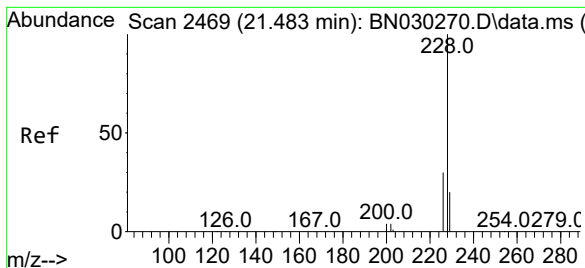
Tgt Ion:244 Resp: 616
Ion Ratio Lower Upper
244 100
212 21.8 9.5 14.3#
122 29.8 11.8 17.6#



#32
Benzo(a)anthracene
Concen: 0.021 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Tgt Ion:228 Resp: 546
Ion Ratio Lower Upper
228 100
226 41.2 23.1 34.7#
229 37.1 17.0 25.4#





#33

Chrysene

Concen: 0.022 ng

RT: 21.474 min Scan# 2468

Delta R.T. -0.009 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-1000-1002MS

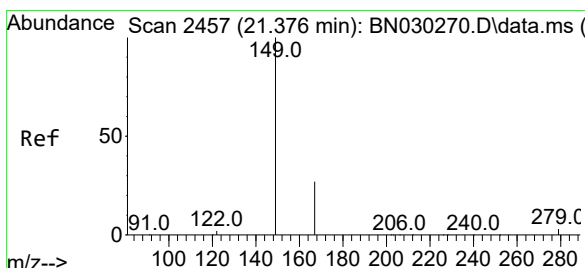
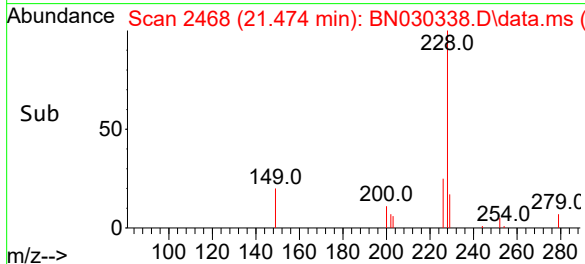
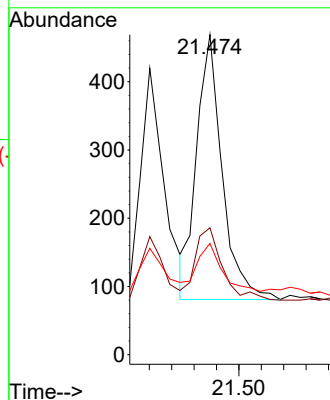
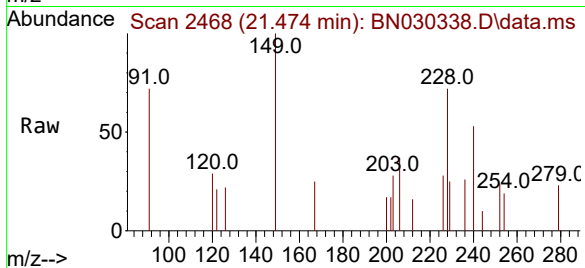
Tgt Ion:228 Resp: 612

Ion Ratio Lower Upper

228 100

226 39.7 24.6 37.0#

229 34.8 17.3 25.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.165 ng

RT: 21.367 min Scan# 2456

Delta R.T. -0.009 min

Lab File: BN030338.D

Acq: 07 Mar 2024 22:08

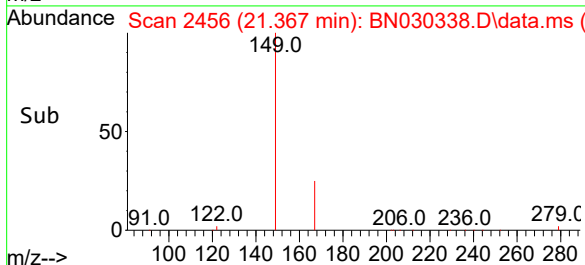
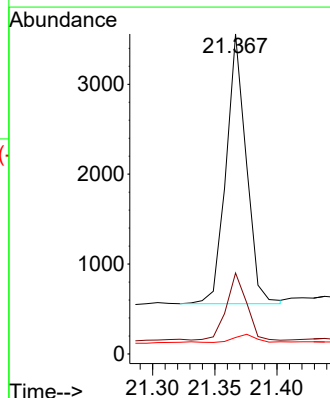
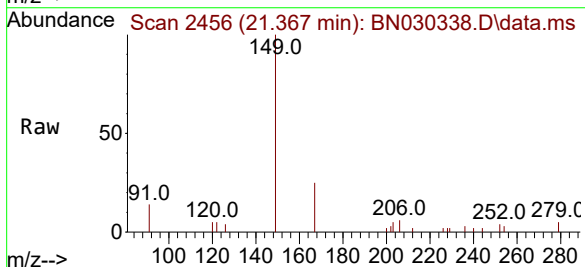
Tgt Ion:149 Resp: 3386

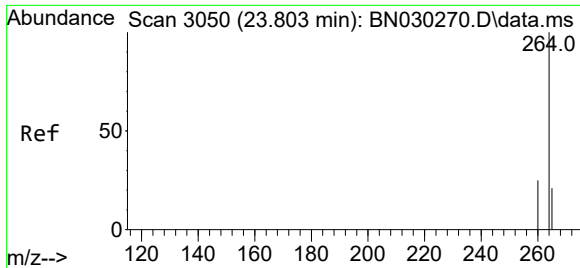
Ion Ratio Lower Upper

149 100

167 25.0 20.6 30.8

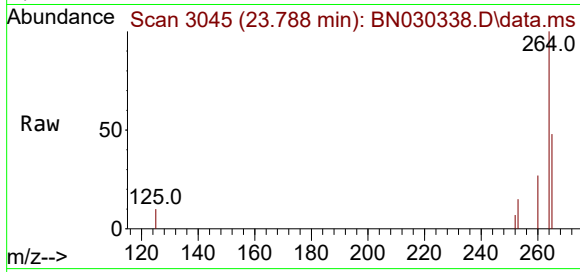
279 3.4 4.0 6.0#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.788 min Scan# 30
Delta R.T. -0.015 min
Lab File: BN030338.D
Acq: 07 Mar 2024 22:08

Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-1000-1002MS



Tgt Ion:264 Resp: 9039

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.7	32.5
265	47.9	50.8	76.2#

