

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100622\
 Data File : BN022024.D
 Acq On : 06 Oct 2022 18:27
 Operator : CG/JU
 Sample : N4983-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW5-GW-763-765

Quant Time: Oct 07 00:41:08 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 01:32:21 2022
 Response via : Initial Calibration

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

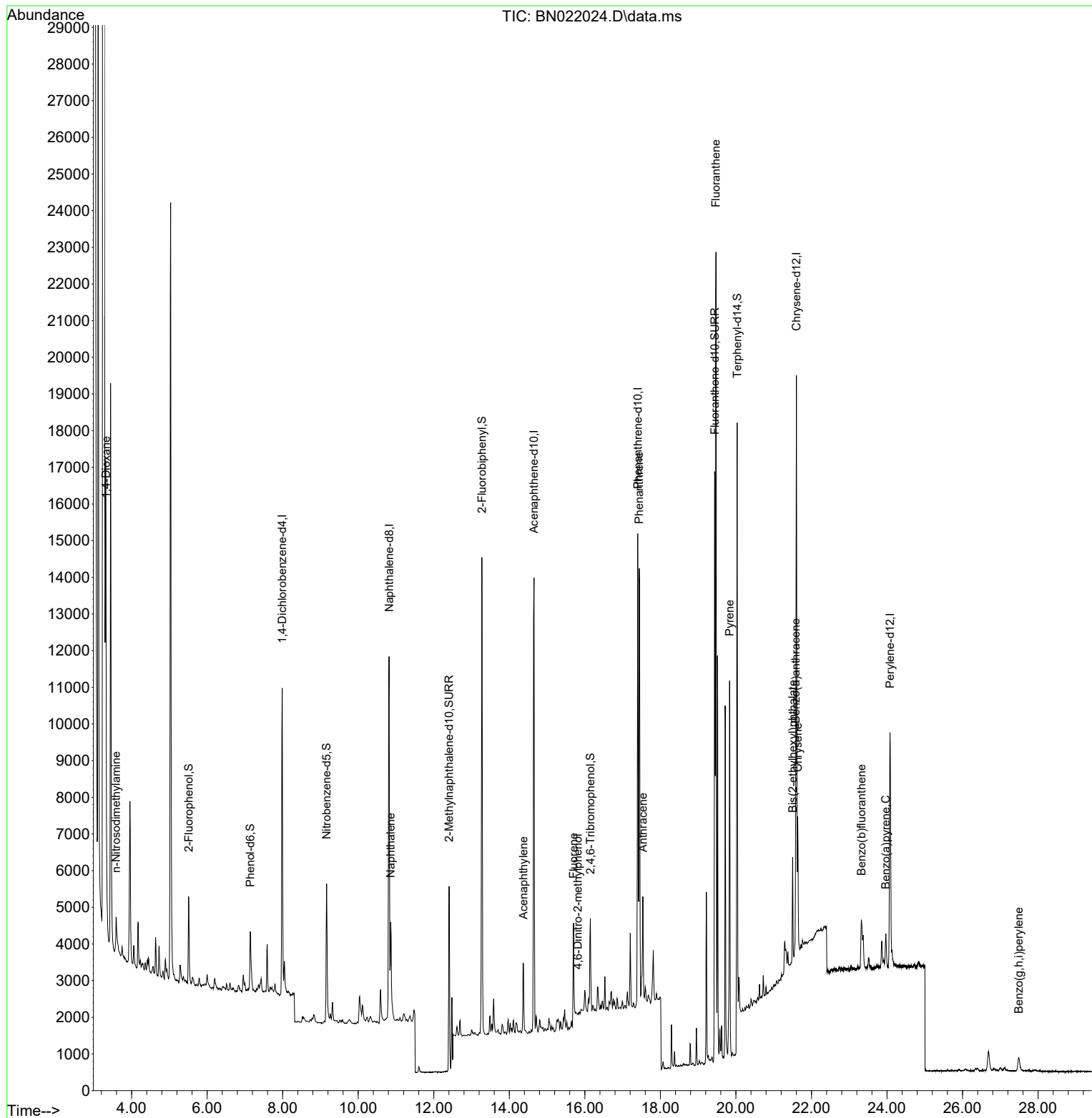
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.986	152	4292	0.400	ng	0.00
7) Naphthalene-d8	10.816	136	13744	0.400	ng	0.00
13) Acenaphthene-d10	14.653	164	7495	0.400	ng	0.00
19) Phenanthrene-d10	17.400	188	15966	0.400	ng	#-0.01
29) Chrysene-d12	21.600	240	12614	0.400	ng	# 0.00
35) Perylene-d12	24.078	264	9885	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.508	112	2152	0.216	ng	0.00
5) Phenol-d6	7.141	99	1901	0.147	ng	0.00
8) Nitrobenzene-d5	9.161	82	3595	0.325	ng	0.00
11) 2-Methylnaphthalene-d10	12.406	152	7843	0.310	ng	0.00
14) 2,4,6-Tribromophenol	16.146	330	1189	0.416	ng	0.00
15) 2-Fluorobiphenyl	13.274	172	11137	0.340	ng	-0.01
27) Fluoranthene-d10	19.441	212	17433	0.411	ng	0.00
31) Terphenyl-d14	20.033	244	11202	0.442	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	6924	1.247	ng	# 96
3) n-Nitrosodimethylamine	3.587	42	282	0.047	ng	# 1
9) Naphthalene	10.859	128	3616	0.087	ng	95
16) Acenaphthylene	14.375	152	2354	0.066	ng	96
18) Fluorene	15.701	166	1769	0.059	ng	98
20) 4,6-Dinitro-2-methylph...	15.811	198	1	0.192	ng	# 1
25) Phenanthrene	17.437	178	14376	0.262	ng	100
26) Anthracene	17.536	178	3467	0.079	ng	# 91
28) Fluoranthene	19.470	202	12448	0.212	ng	# 45
30) Pyrene	19.833	202	8932	0.161	ng	96
32) Benzo(a)anthracene	21.582	228	3492	0.074	ng	94
33) Chrysene	21.636	228	3423	0.065	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.501	149	2735	0.120	ng	# 99
37) Benzo(b)fluoranthene	23.321	252	2478	0.053	ng	# 34
39) Benzo(a)pyrene	23.970	252	1357	0.038	ng	# 21
41) Benzo(g,h,i)perylene	27.487	276	871	0.020	ng	# 55

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

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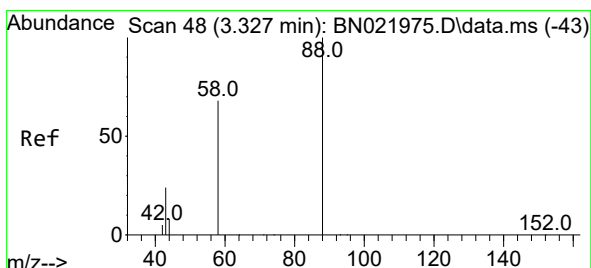
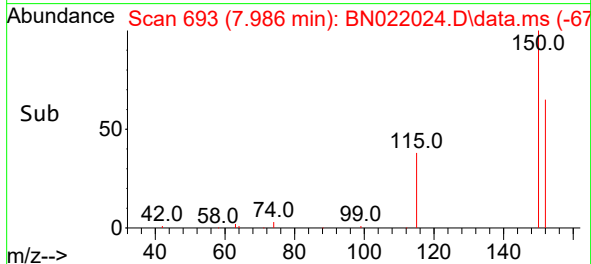
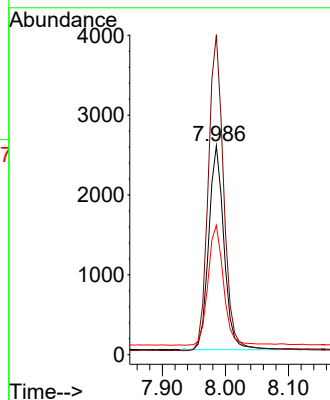
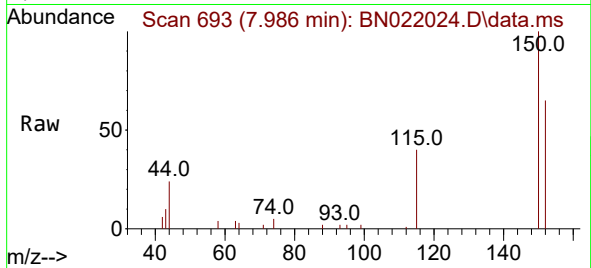




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.986 min Scan# 61
 Delta R.T. 0.001 min
 Lab File: BN022024.D
 Acq: 06 Oct 2022 18:27

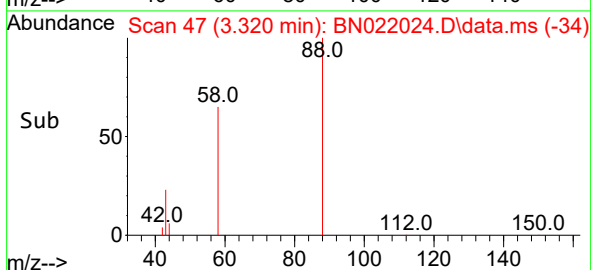
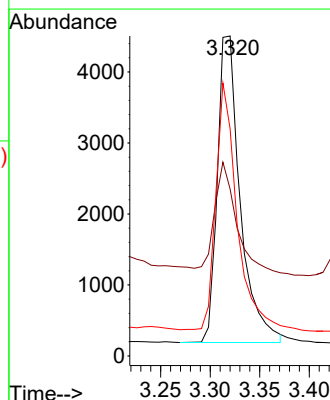
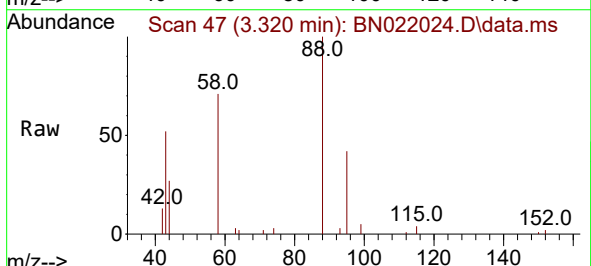
Instrument :
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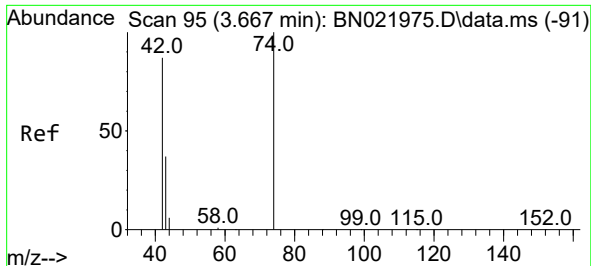
Tgt Ion:152 Resp: 4292
 Ion Ratio Lower Upper
 152 100
 150 153.1 127.2 190.8
 115 62.0 51.4 77.0



#2
 1,4-Dioxane
 Concen: 1.247 ng
 RT: 3.320 min Scan# 47
 Delta R.T. -0.007 min
 Lab File: BN022024.D
 Acq: 06 Oct 2022 18:27

Tgt Ion: 88 Resp: 6924
 Ion Ratio Lower Upper
 88 100
 43 34.2 22.6 34.0#
 58 74.0 58.6 88.0

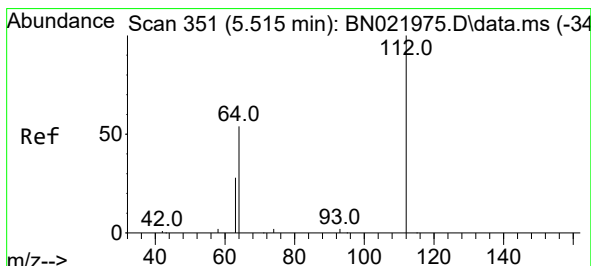
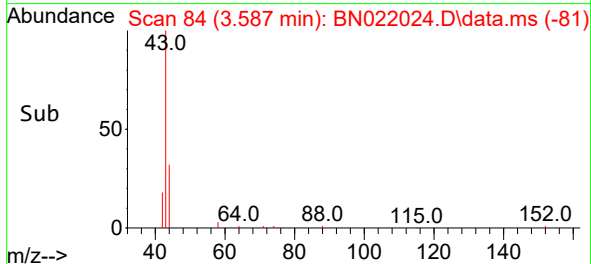
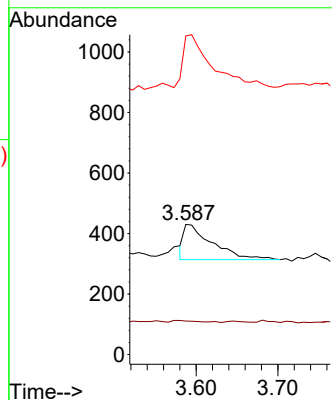
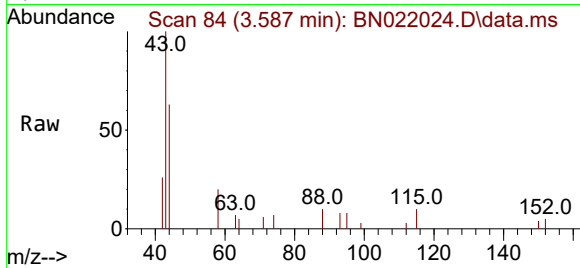




#3
 n-Nitrosodimethylamine
 Concen: 0.047 ng
 RT: 3.587 min Scan# 84
 Delta R.T. -0.079 min
 Lab File: BN022024.D
 Acq: 06 Oct 2022 18:27

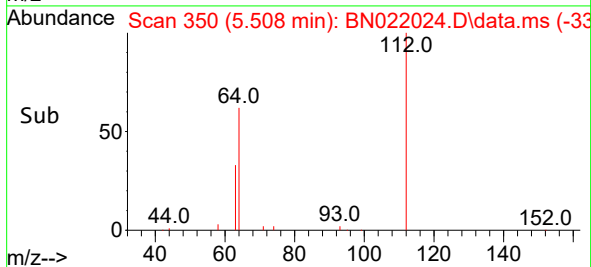
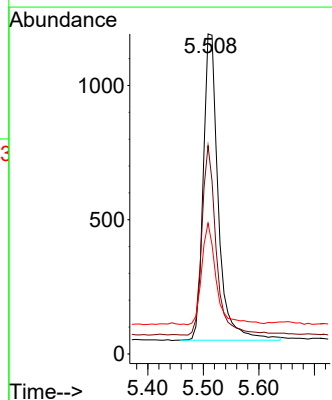
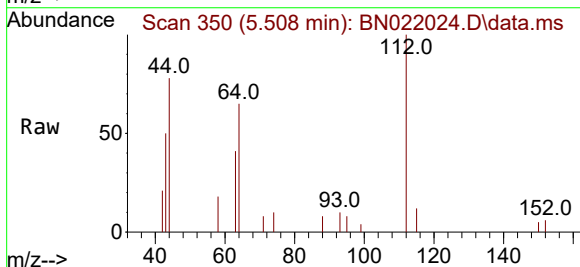
Instrument :
 BNA_N
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Tgt Ion: 42 Resp: 282
 Ion Ratio Lower Upper
 42 100
 74 0.0 101.6 152.4#
 44 146.1 10.4 15.6#



#4
 2-Fluorophenol
 Concen: 0.216 ng
 RT: 5.508 min Scan# 350
 Delta R.T. -0.007 min
 Lab File: BN022024.D
 Acq: 06 Oct 2022 18:27

Tgt Ion: 112 Resp: 2152
 Ion Ratio Lower Upper
 112 100
 64 58.6 46.9 70.3
 63 31.7 24.6 37.0

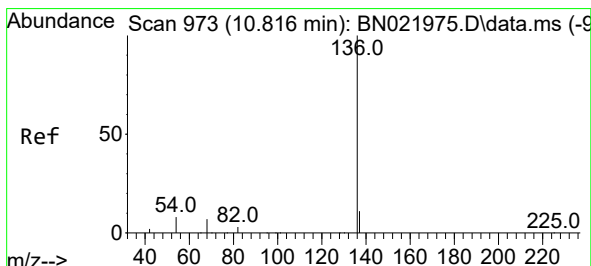
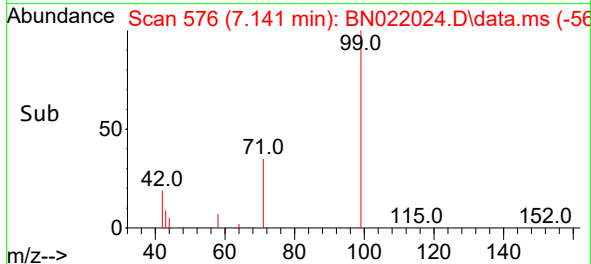
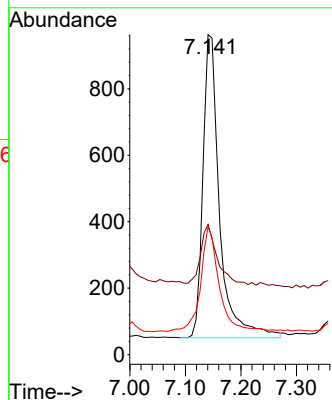
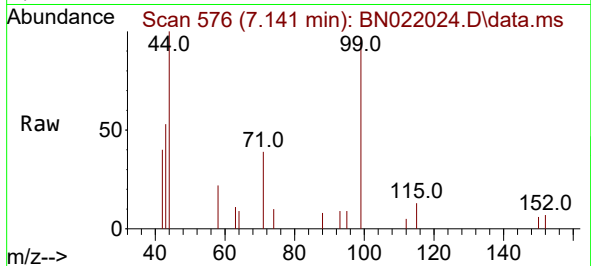




#5
Phenol-d6
Concen: 0.147 ng
RT: 7.141 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

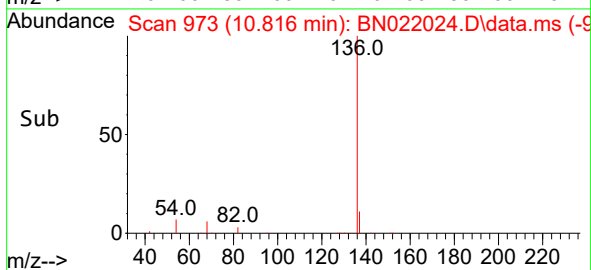
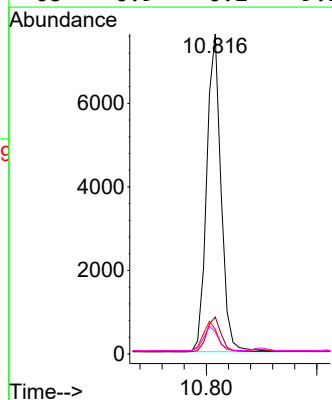
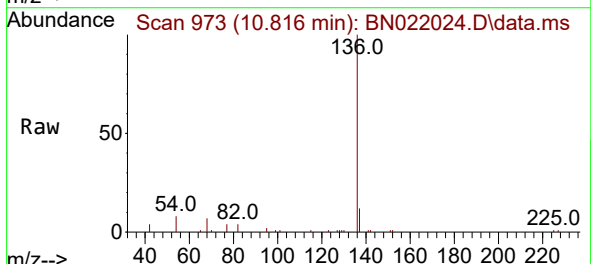
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

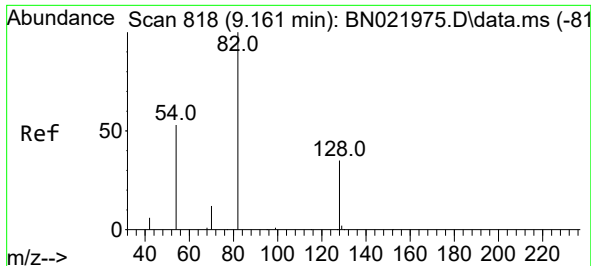
Tgt Ion:	99	Resp:	1901
Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.9	23.9
71	38.1	25.6	38.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.816 min Scan# 973
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion:	136	Resp:	13744
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.7	7.1	10.7
68	6.9	6.2	9.2

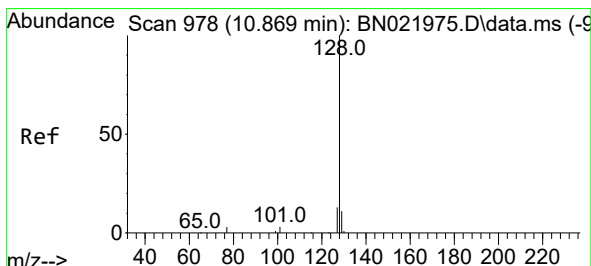
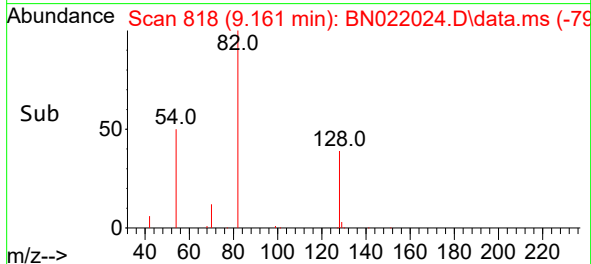
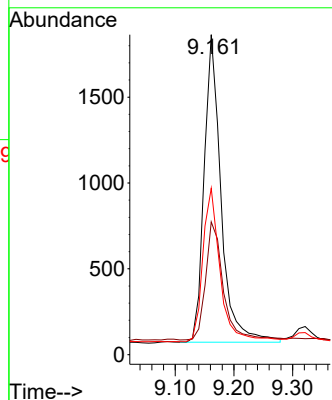
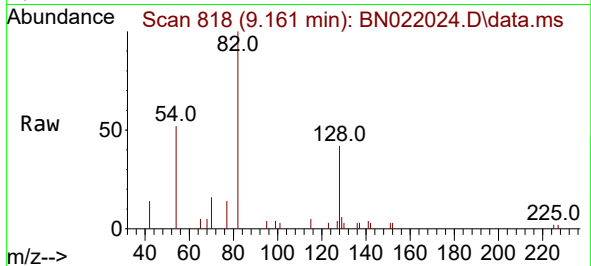




#8
Nitrobenzene-d5
Concen: 0.325 ng
RT: 9.161 min Scan# 818
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

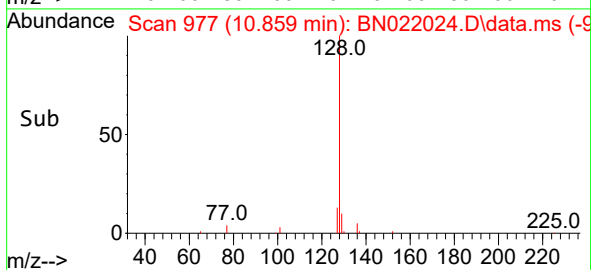
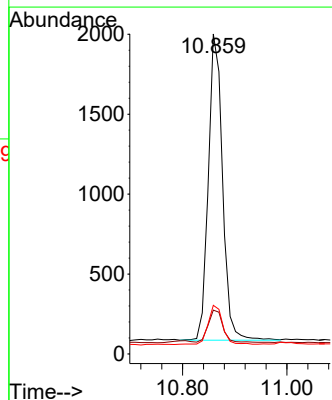
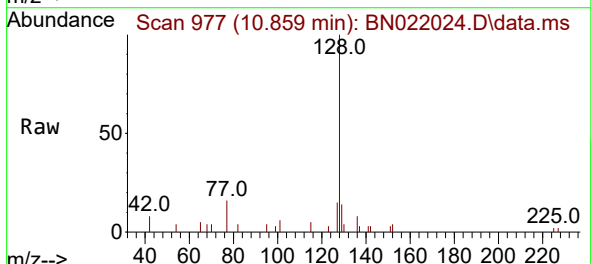
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

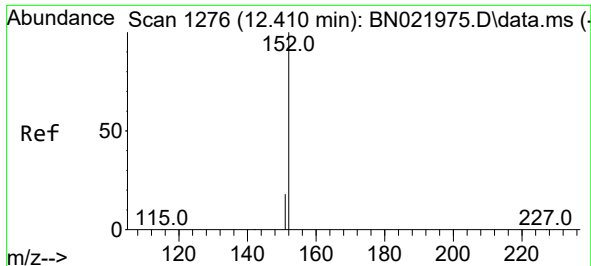
Tgt Ion: 82 Resp: 3595
Ion Ratio Lower Upper
82 100
128 41.5 29.9 44.9
54 52.0 43.5 65.3



#9
Naphthalene
Concen: 0.087 ng
RT: 10.859 min Scan# 977
Delta R.T. -0.011 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion: 128 Resp: 3616
Ion Ratio Lower Upper
128 100
129 13.7 9.3 13.9
127 15.2 10.6 16.0

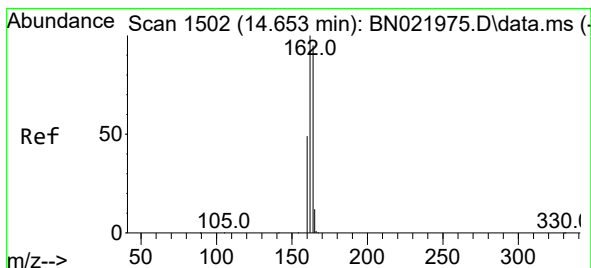
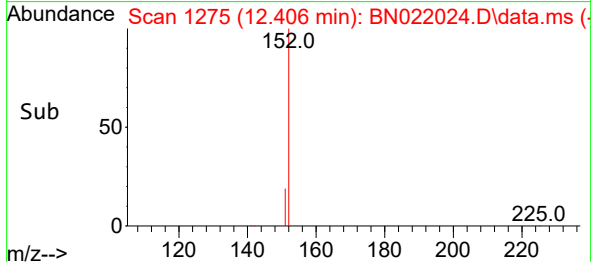
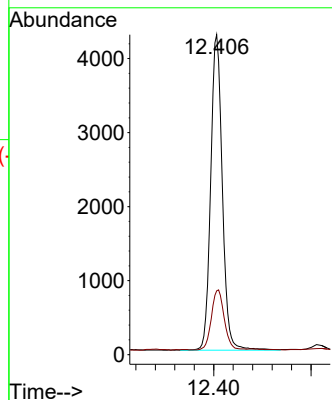
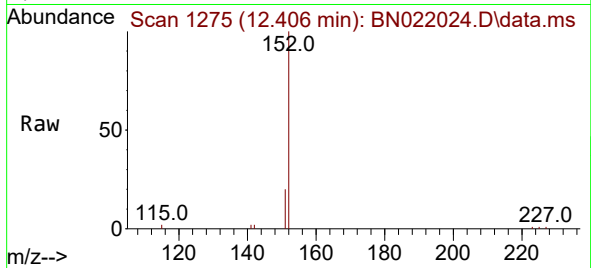




#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.406 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

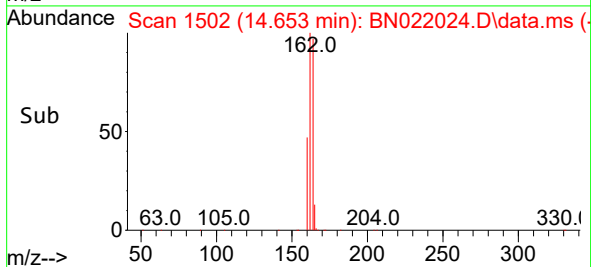
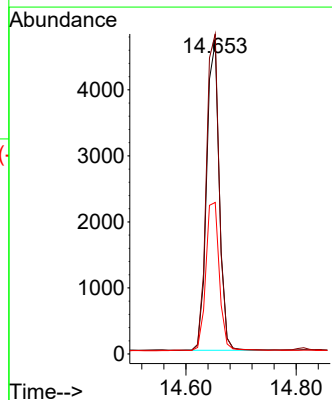
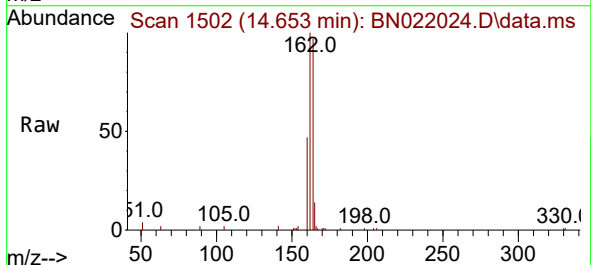
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

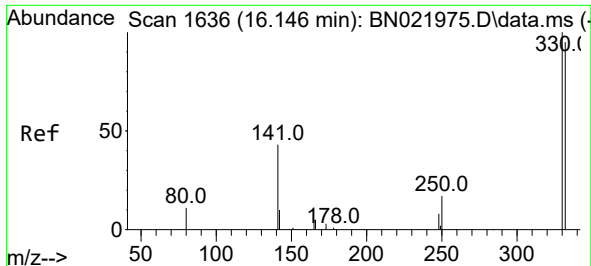
Tgt Ion:152 Resp: 7843
Ion Ratio Lower Upper
152 100
151 19.0 13.8 20.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.653 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

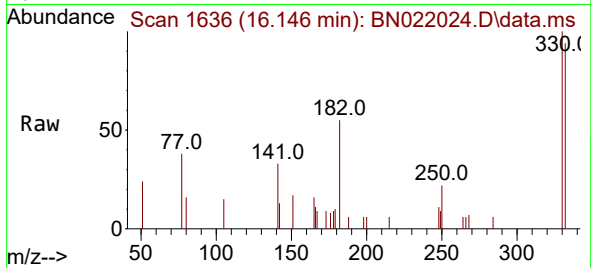
Tgt Ion:164 Resp: 7495
Ion Ratio Lower Upper
164 100
162 102.6 84.3 126.5
160 48.6 41.7 62.5



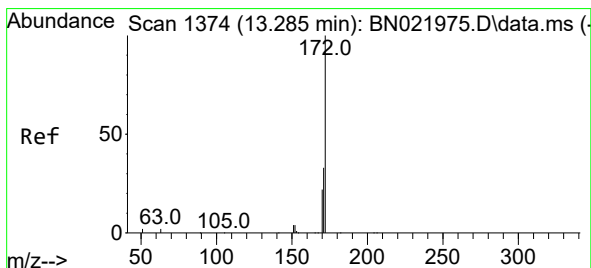
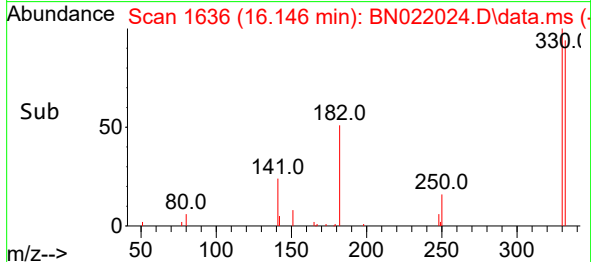
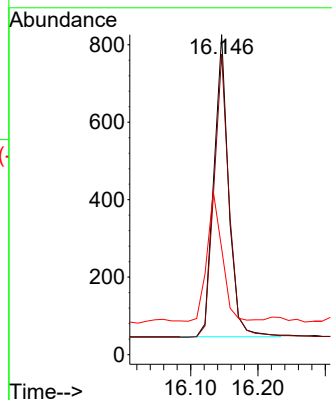


#14
2,4,6-Tribromophenol
Concen: 0.416 ng
RT: 16.146 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

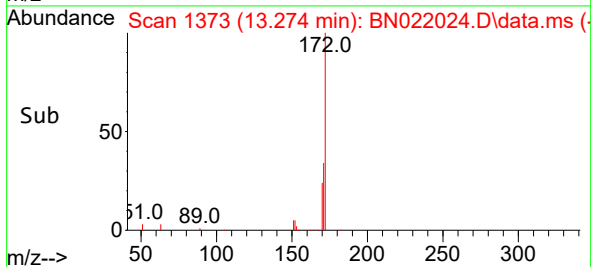
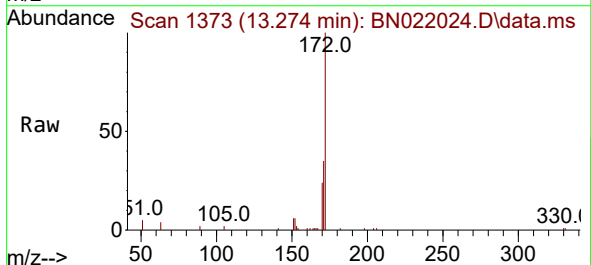
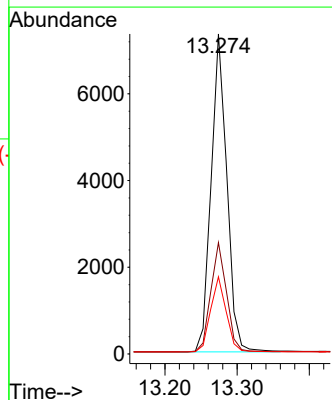


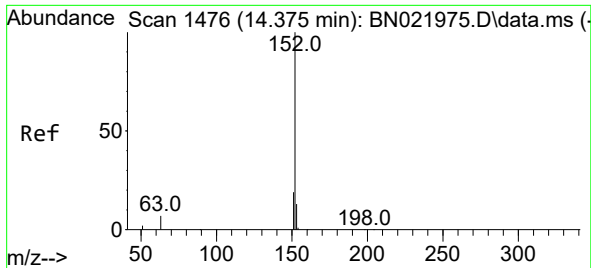
Tgt Ion: 330 Resp: 1189
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 43.7 35.3 52.9



#15
2-Fluorobiphenyl
Concen: 0.340 ng
RT: 13.274 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion: 172 Resp: 11137
Ion Ratio Lower Upper
172 100
171 34.8 27.2 40.8
170 24.1 18.3 27.5

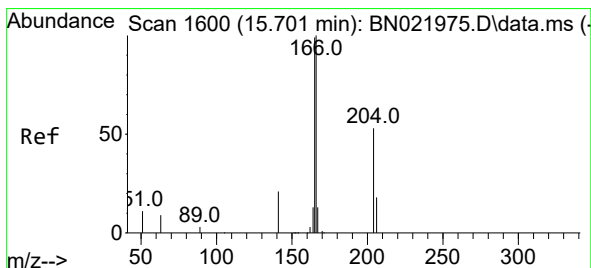
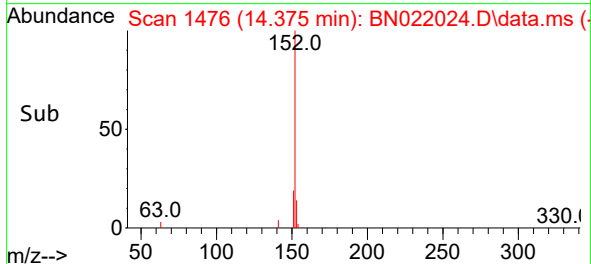
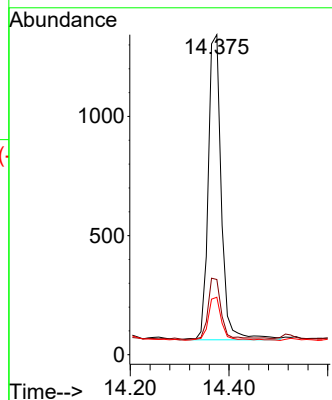
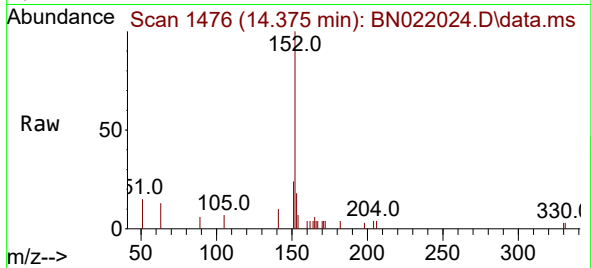




#16
Acenaphthylene
Concen: 0.066 ng
RT: 14.375 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

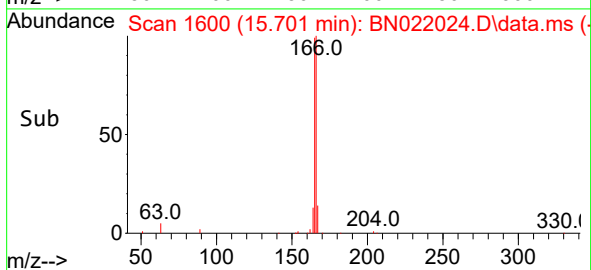
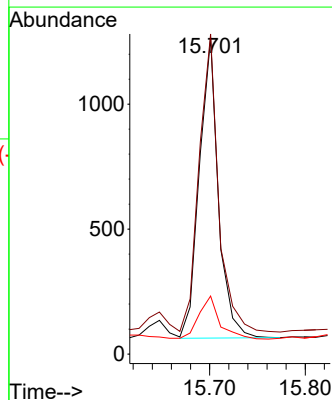
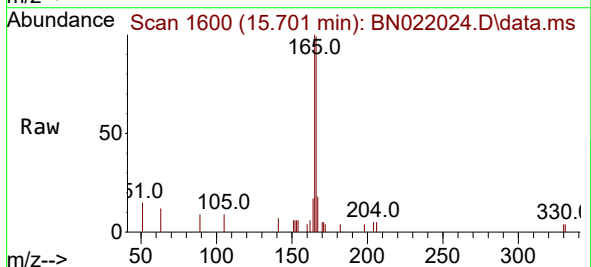
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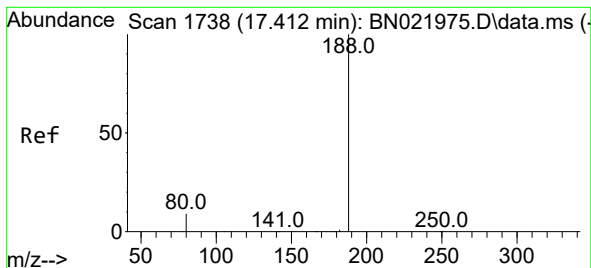
Tgt Ion:	152	Resp:	2354
Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.5	23.3
153	14.9	10.4	15.6



#18
Fluorene
Concen: 0.059 ng
RT: 15.701 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion:	166	Resp:	1769
Ion	Ratio	Lower	Upper
166	100		
165	101.9	80.0	120.0
167	15.4	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.400 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW5-GW-763-765

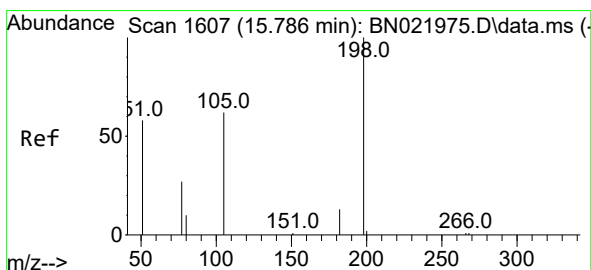
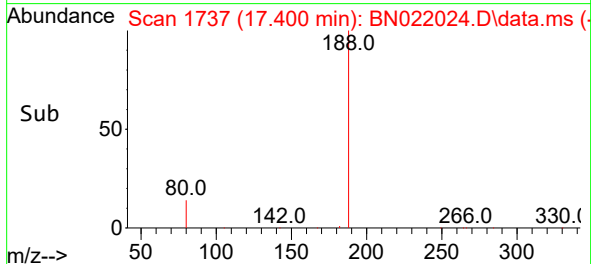
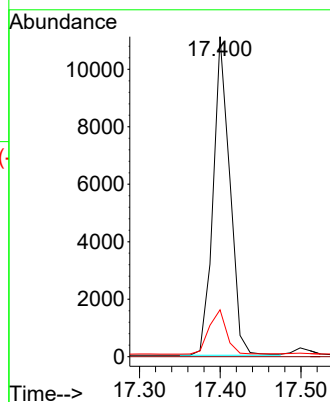
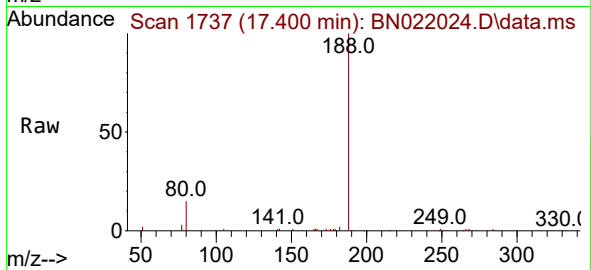
Tgt Ion:188 Resp: 15966

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.7 7.5 11.3#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.192 ng

RT: 15.811 min Scan# 1609

Delta R.T. 0.025 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

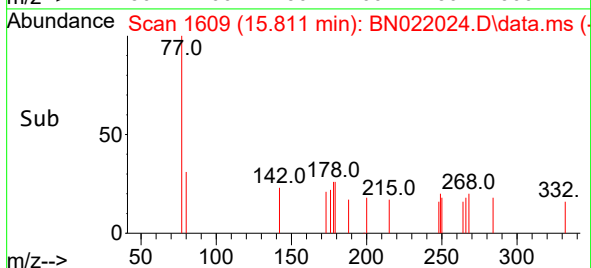
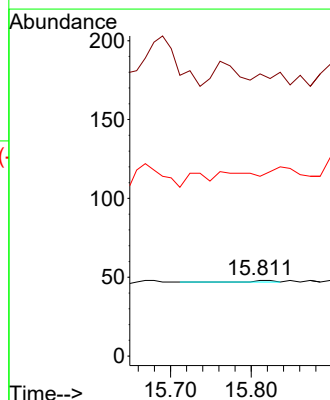
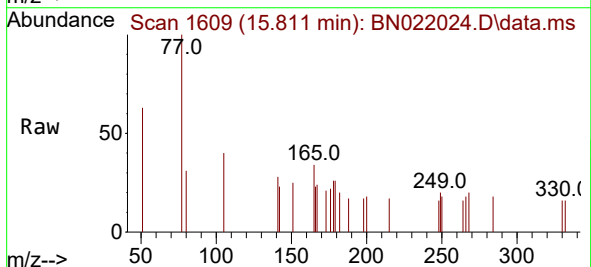
Tgt Ion:198 Resp: 1

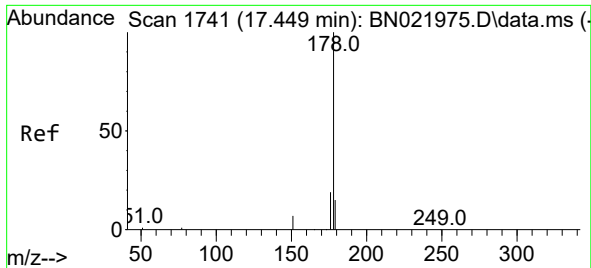
Ion Ratio Lower Upper

198 100

51 372.9 96.6 144.8#

105 237.5 64.4 96.6#

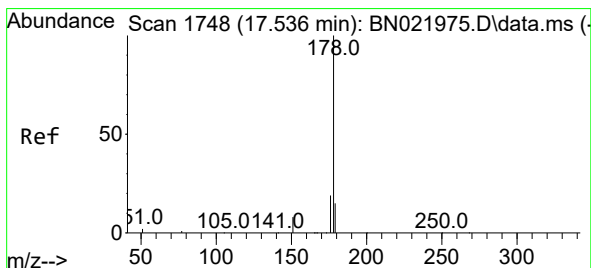
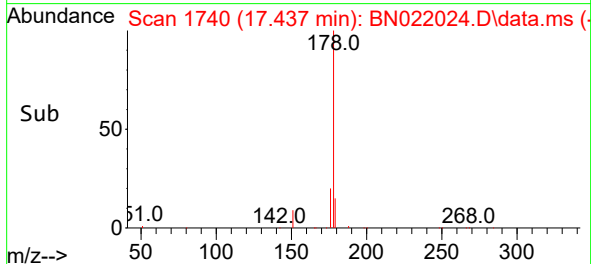
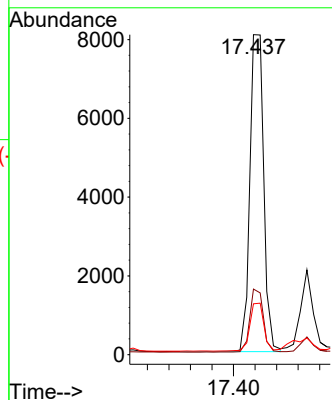
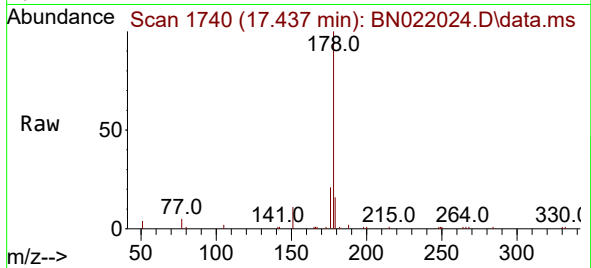




#25
Phenanthrene
Concen: 0.262 ng
RT: 17.437 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

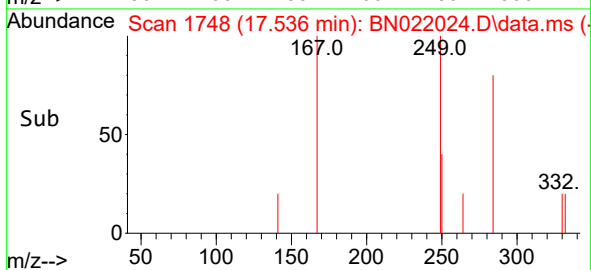
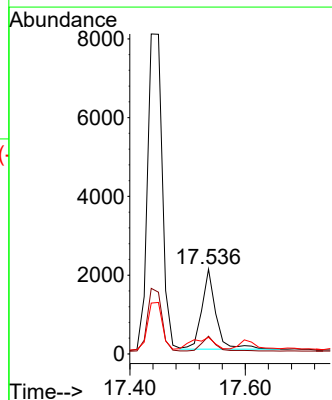
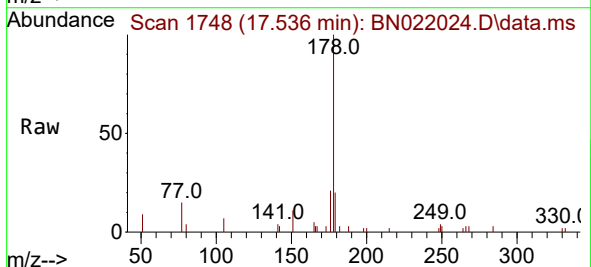
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

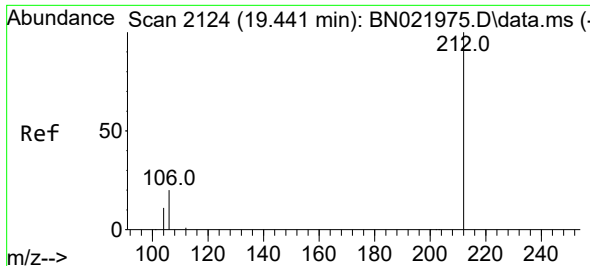
Tgt Ion:178 Resp: 14376
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.2 12.2 18.2



#26
Anthracene
Concen: 0.079 ng
RT: 17.536 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion:178 Resp: 3467
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 22.8 12.2 18.2#

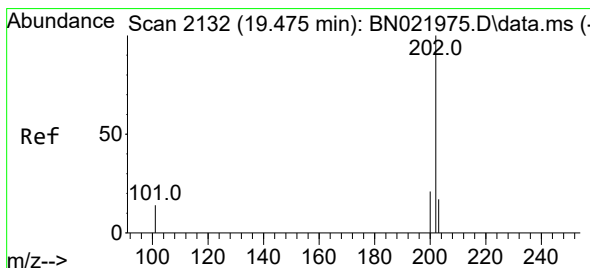
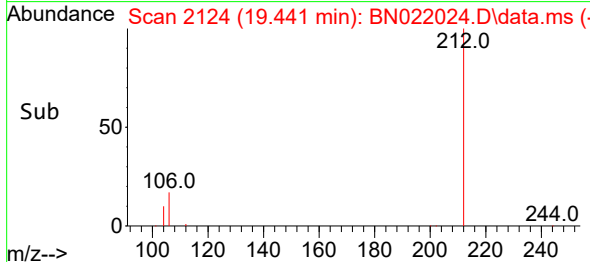
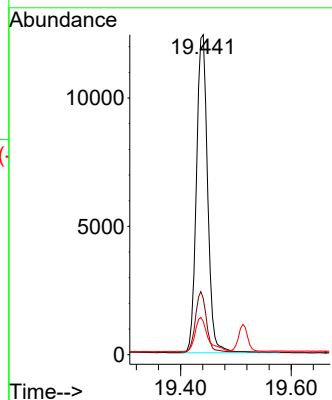
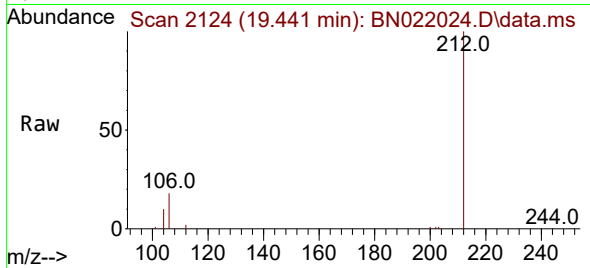




#27
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.441 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

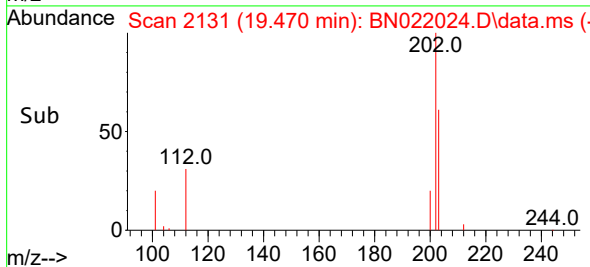
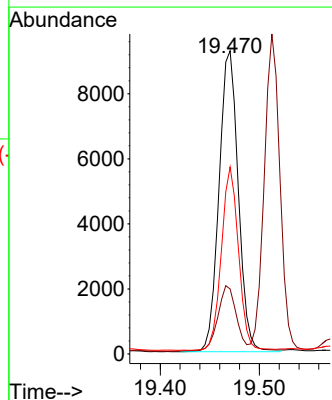
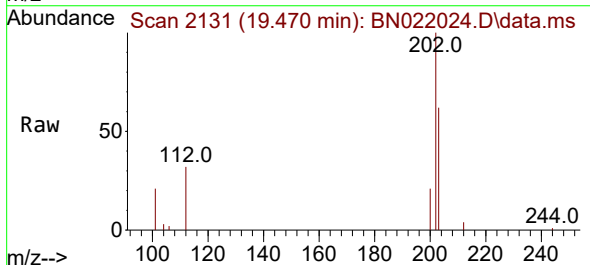
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

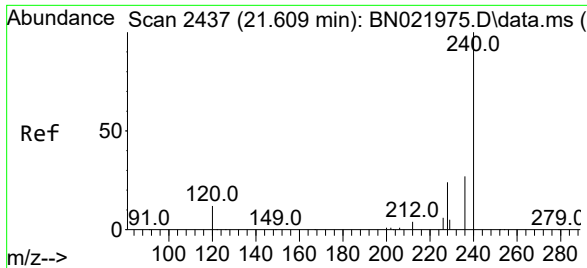
Tgt Ion:212 Resp: 17433
Ion Ratio Lower Upper
212 100
106 18.8 15.2 22.8
104 12.2 8.6 13.0



#28
Fluoranthene
Concen: 0.212 ng
RT: 19.470 min Scan# 2131
Delta R.T. -0.004 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion:202 Resp: 12448
Ion Ratio Lower Upper
202 100
101 21.1 11.4 17.0#
203 54.3 13.5 20.3#

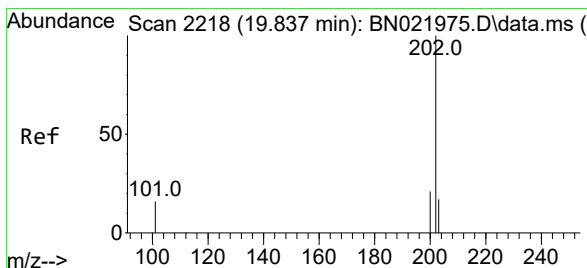
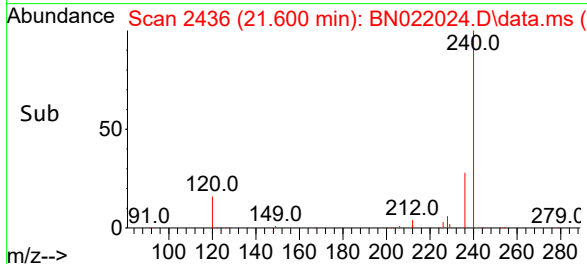
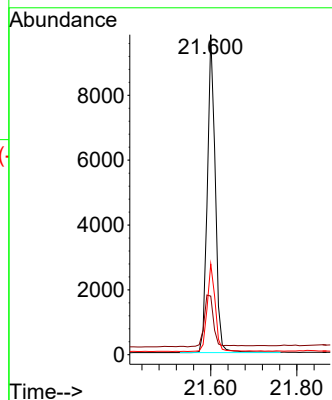
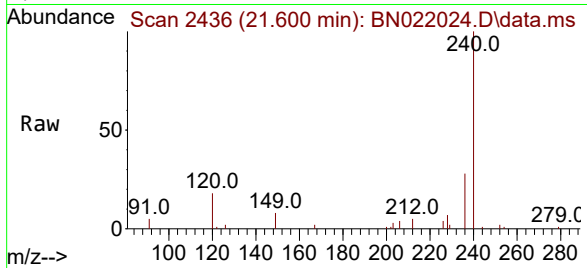




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.600 min Scan# 2437
Delta R.T. -0.009 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

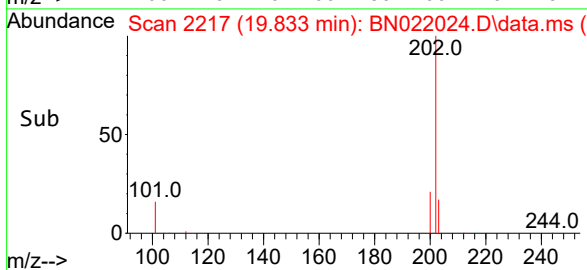
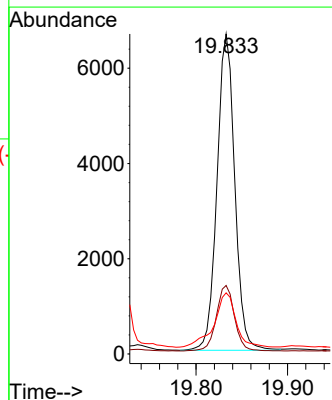
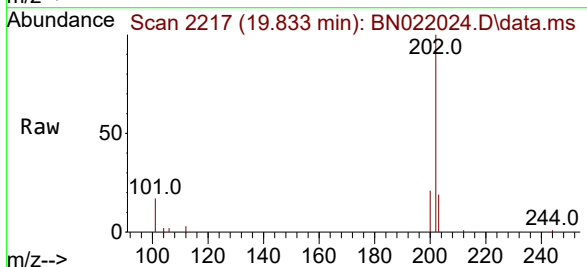
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW5-GW-763-765

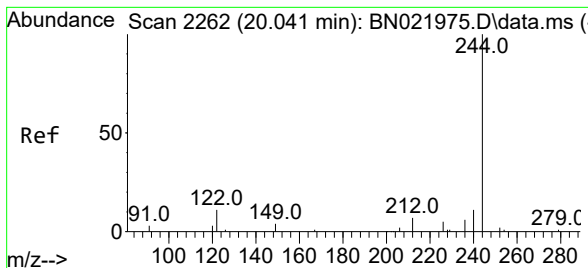
Tgt Ion:240 Resp: 12614
Ion Ratio Lower Upper
240 100
120 18.3 11.8 17.6#
236 28.3 22.4 33.6



#30
Pyrene
Concen: 0.161 ng
RT: 19.833 min Scan# 2217
Delta R.T. -0.004 min
Lab File: BN022024.D
Acq: 06 Oct 2022 18:27

Tgt Ion:202 Resp: 8932
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 21.0 14.1 21.1





#31

Terphenyl-d14

Concen: 0.442 ng

RT: 20.033 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW5-GW-763-765

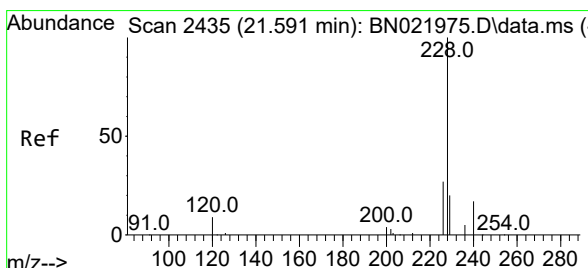
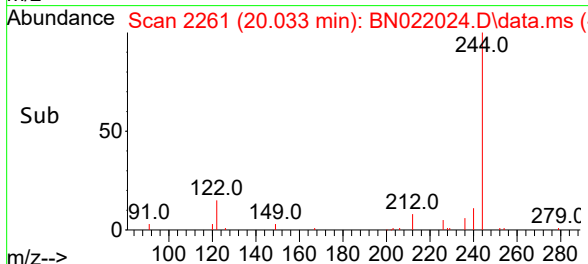
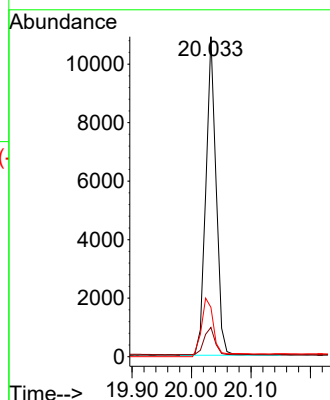
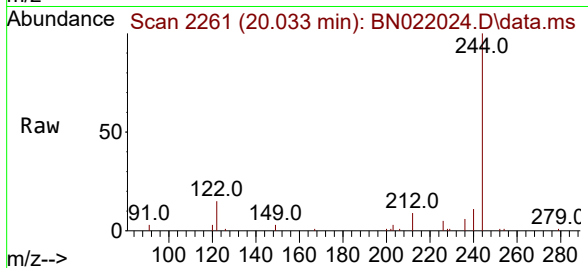
Tgt Ion:244 Resp: 11202

Ion Ratio Lower Upper

244 100

212 9.1 6.5 9.7

122 15.4 9.1 13.7#



#32

Benzo(a)anthracene

Concen: 0.074 ng

RT: 21.582 min Scan# 2434

Delta R.T. -0.009 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

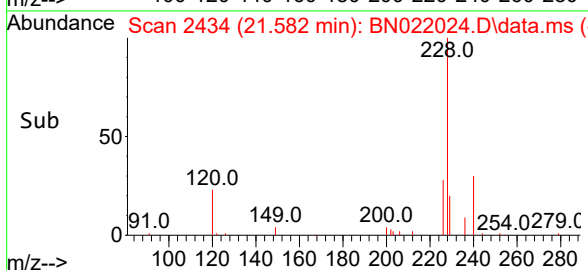
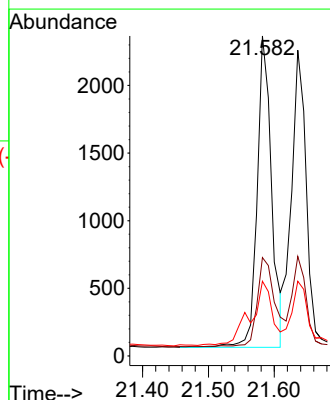
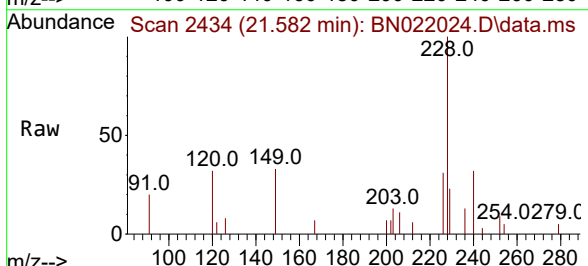
Tgt Ion:228 Resp: 3492

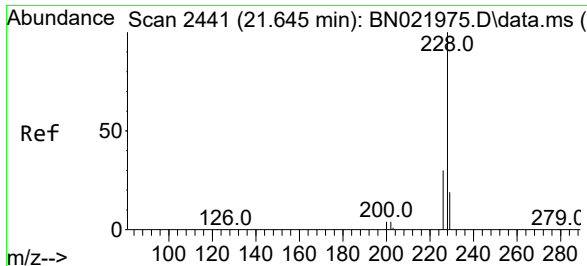
Ion Ratio Lower Upper

228 100

226 30.7 22.2 33.4

229 23.3 16.2 24.2





#33

Chrysene

Concen: 0.065 ng

RT: 21.636 min Scan# 2441

Delta R.T. -0.009 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW5-GW-763-765

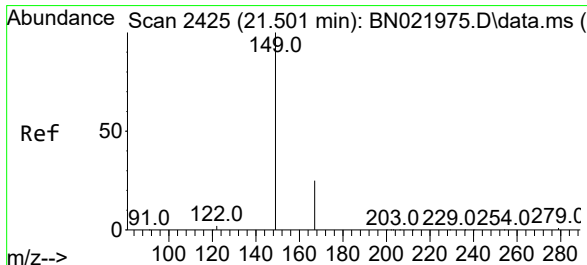
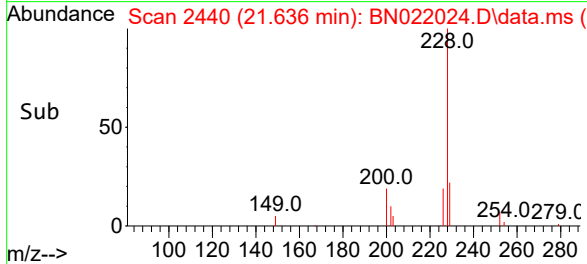
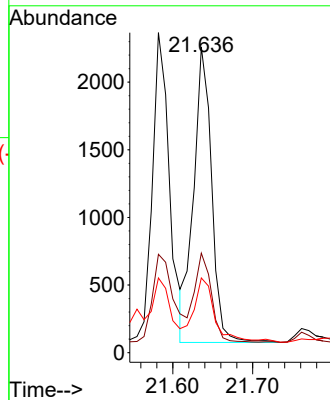
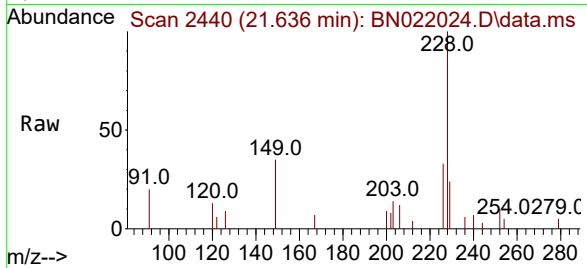
Tgt Ion:228 Resp: 3423

Ion Ratio Lower Upper

228 100

226 32.6 24.2 36.2

229 24.4 15.8 23.6#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.120 ng

RT: 21.501 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

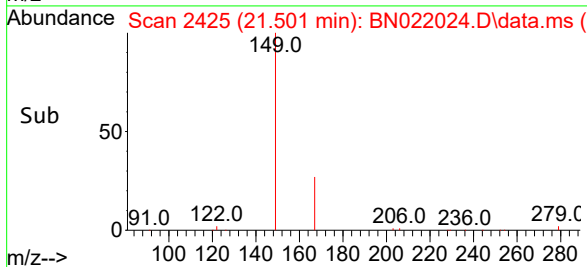
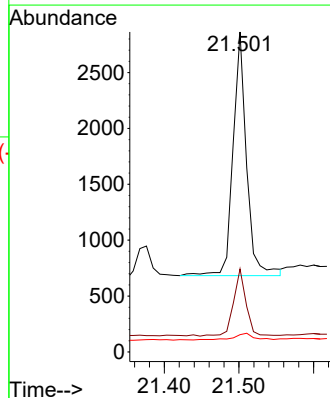
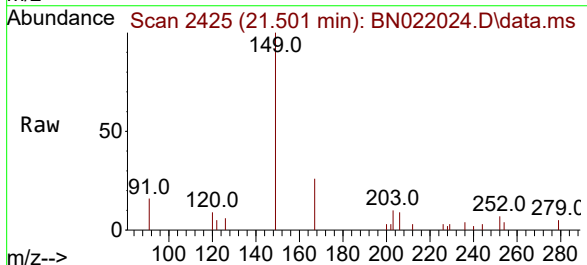
Tgt Ion:149 Resp: 2735

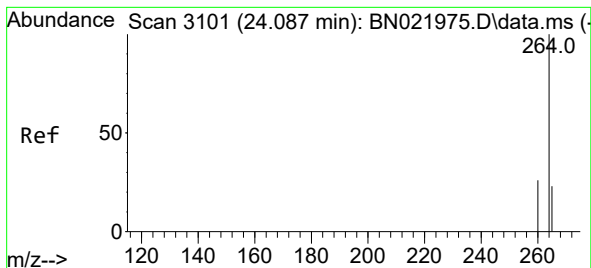
Ion Ratio Lower Upper

149 100

167 25.7 20.2 30.4

279 4.5 2.3 3.5#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.078 min Scan# 3098

Delta R.T. -0.009 min

Lab File: BN022024.D

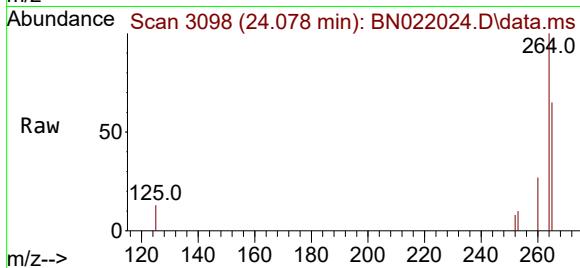
Acq: 06 Oct 2022 18:27

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW5-GW-763-765



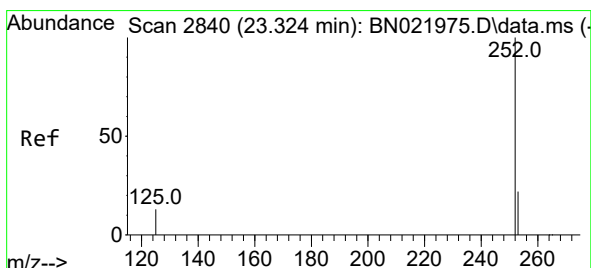
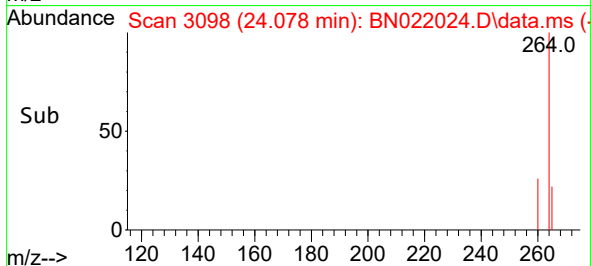
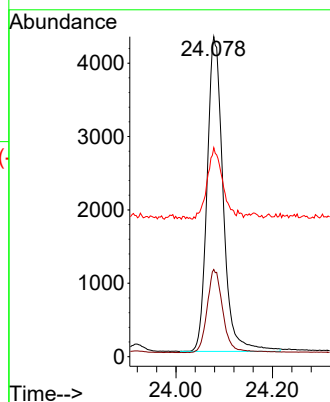
Tgt Ion:264 Resp: 9885

Ion Ratio Lower Upper

264 100

260 27.2 21.3 31.9

265 65.3 63.0 94.4



#37

Benzo(b)fluoranthene

Concen: 0.053 ng

RT: 23.321 min Scan# 2839

Delta R.T. -0.003 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

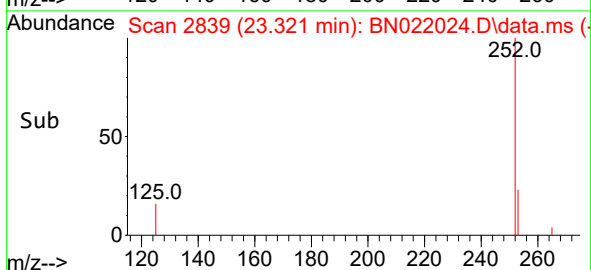
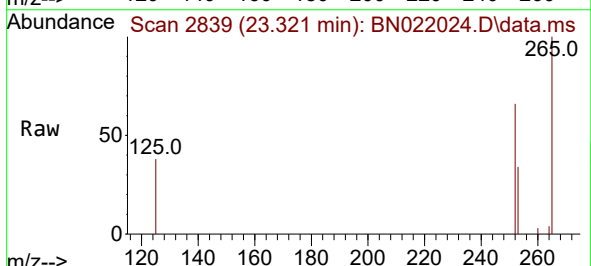
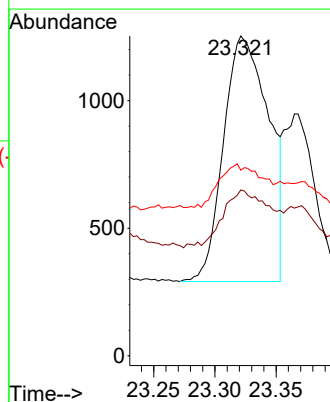
Tgt Ion:252 Resp: 2478

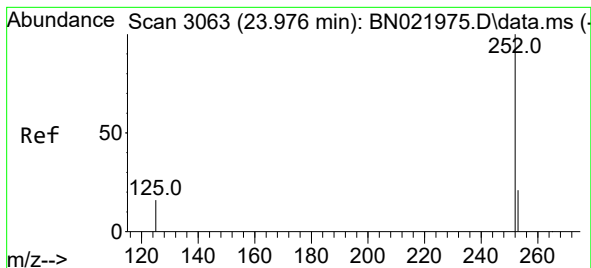
Ion Ratio Lower Upper

252 100

253 51.9 20.6 31.0#

125 58.0 15.6 23.4#





#39

Benzo(a)pyrene

Concen: 0.038 ng

RT: 23.970 min Scan# 3063

Delta R.T. -0.006 min

Lab File: BN022024.D

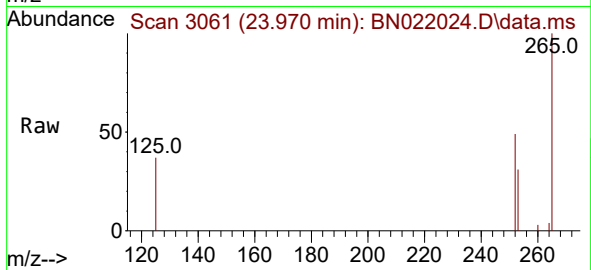
Acq: 06 Oct 2022 18:27

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW5-GW-763-765



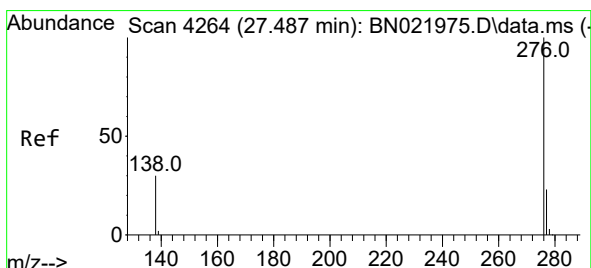
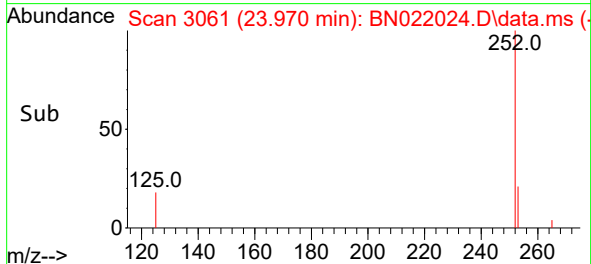
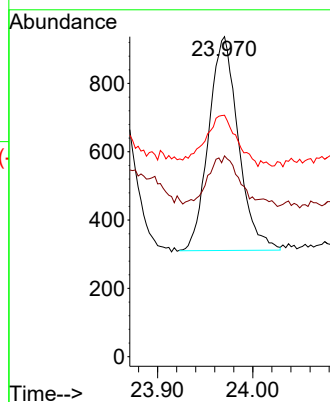
Tgt Ion:252 Resp: 1357

Ion Ratio Lower Upper

252 100

253 62.8 23.2 34.8#

125 75.5 21.1 31.7#



#41

Benzo(g,h,i)perylene

Concen: 0.020 ng

RT: 27.487 min Scan# 4264

Delta R.T. 0.000 min

Lab File: BN022024.D

Acq: 06 Oct 2022 18:27

Tgt Ion:276 Resp: 871

Ion Ratio Lower Upper

276 100

277 44.4 20.0 30.0#

138 59.2 25.2 37.8#

