

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050924\
 Data File : BG061158.D
 Acq On : 9 May 2024 19:36
 Operator : MA/JU
 Sample : P2391-04 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-1

Quant Time: May 10 02:26:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

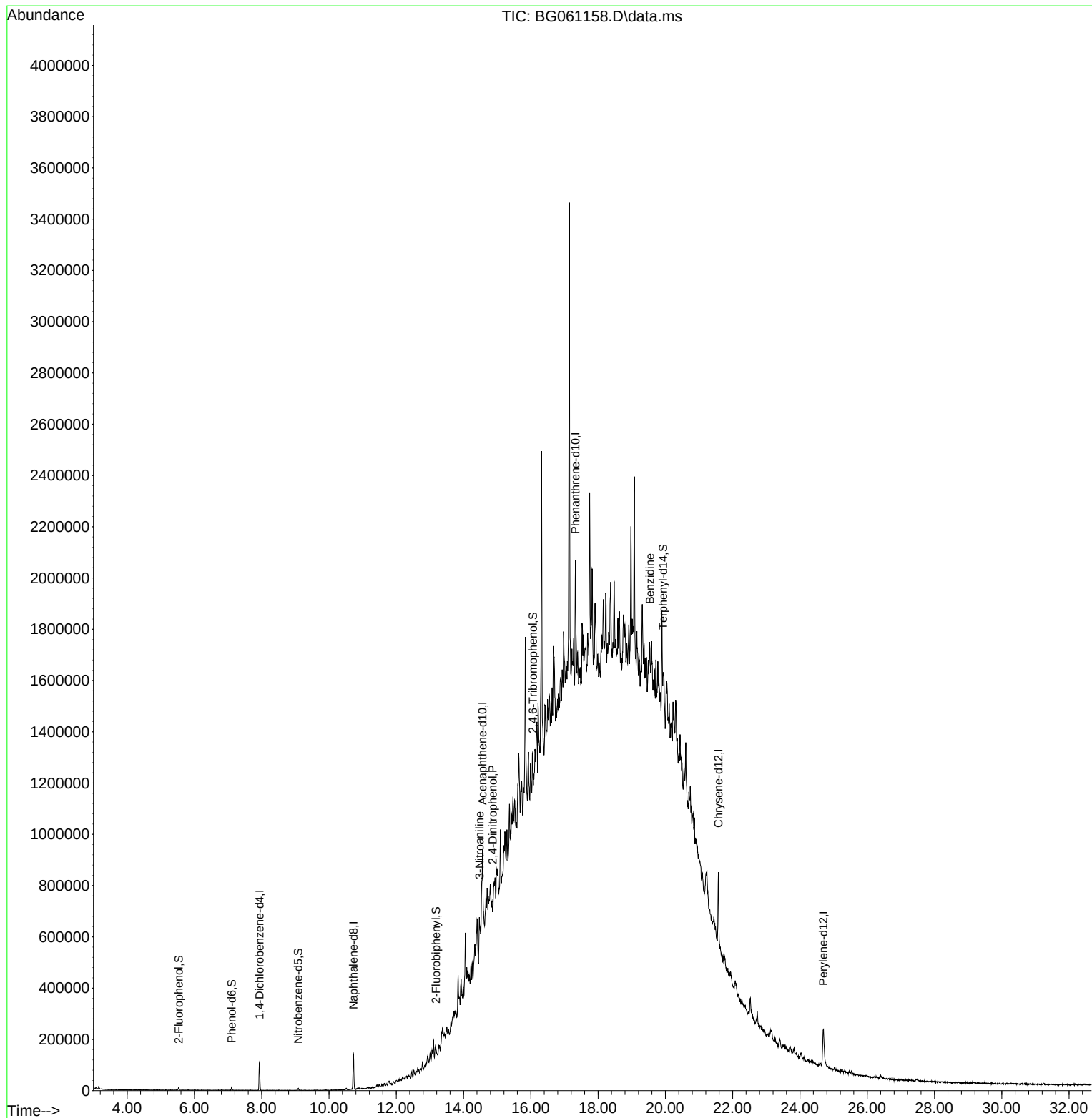
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	28567	20.000	ng	-0.02
21) Naphthalene-d8	10.729	136	108422	20.000	ng	#-0.03
39) Acenaphthene-d10	14.566	164	76272	20.000	ng	-0.02
64) Phenanthrene-d10	17.321	188	164042	20.000	ng	#-0.01
76) Chrysene-d12	21.575	240	166694	20.000	ng	#-0.02
86) Perylene-d12	24.695	264	199605	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	3383	2.408	ng	-0.01
7) Phenol-d6	7.110	99	5387	2.592	ng	-0.02
23) Nitrobenzene-d5	9.084	82	4504	2.059	ng	-0.03
42) 2,4,6-Tribromophenol	16.064	330	3637	2.386	ng	-0.01
45) 2-Fluorobiphenyl	13.179	172	11672	2.263	ng	-0.03
79) Terphenyl-d14	19.936	244	24542	2.449	ng	-0.02
Target Compounds						Qvalue
53) 3-Nitroaniline	14.478	138	3006	2.607	ng	# 47
54) 2,4-Dinitrophenol	14.871	184	58	2.271	ng	# 1
77) Benzidine	19.542	184	848	3.047	ng	# 1

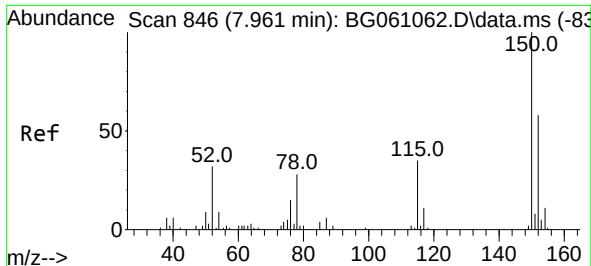
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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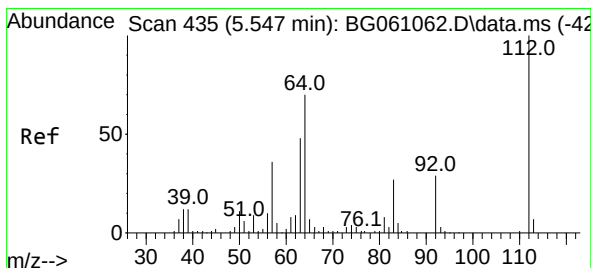
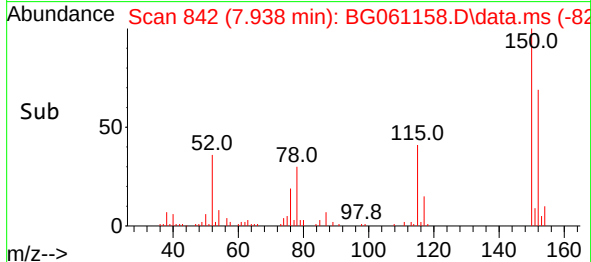
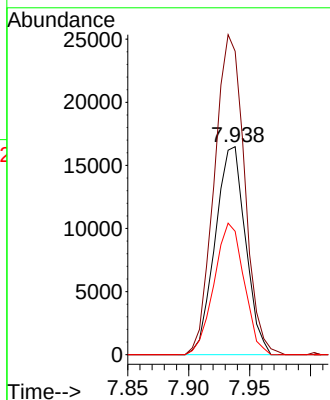
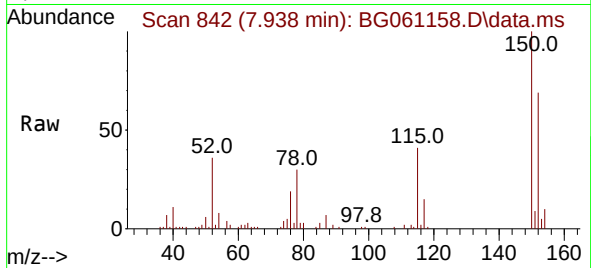




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 846
Delta R.T. -0.023 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

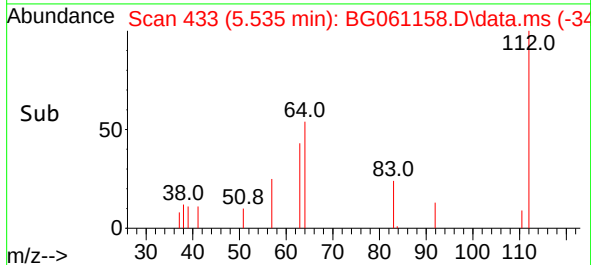
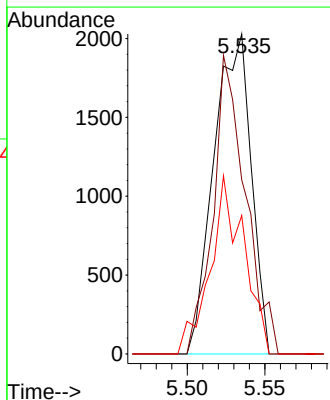
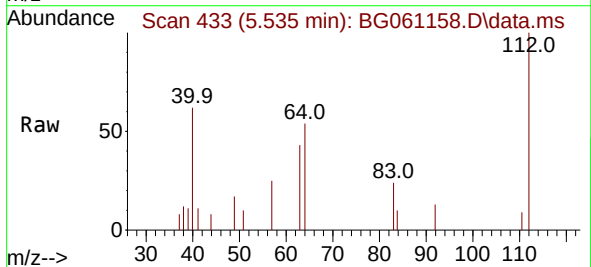
Instrument :
BNA_G
ClientSampleId :
PE-1

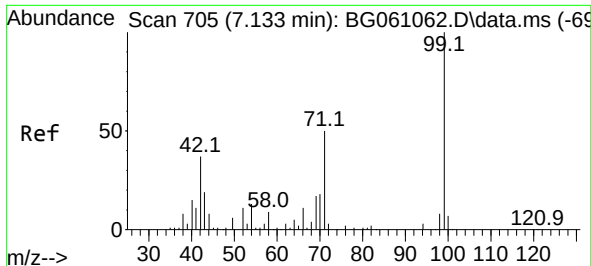
Tgt Ion:152 Resp: 28567
Ion Ratio Lower Upper
152 100
150 145.9 138.3 207.5
115 59.3 48.0 72.0



#5
2-Fluorophenol
Concen: 2.408 ng
RT: 5.535 min Scan# 433
Delta R.T. -0.011 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

Tgt Ion:112 Resp: 3383
Ion Ratio Lower Upper
112 100
64 54.4 55.7 83.5#
63 43.3 38.1 57.1





#7

Phenol-d6

Concen: 2.592 ng

RT: 7.110 min Scan# 705

Delta R.T. -0.023 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

Instrument :

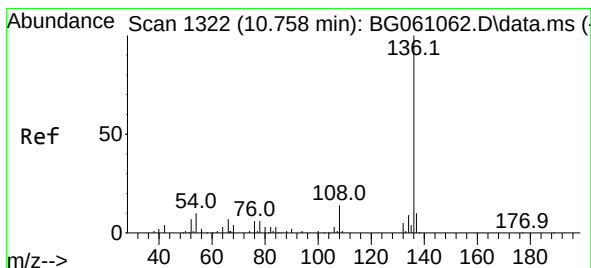
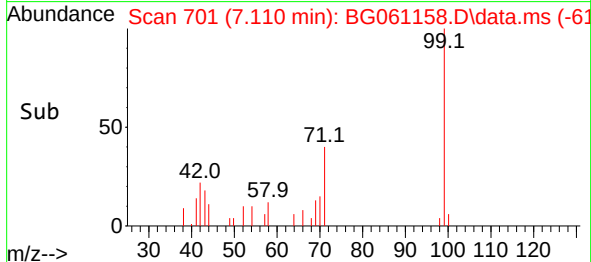
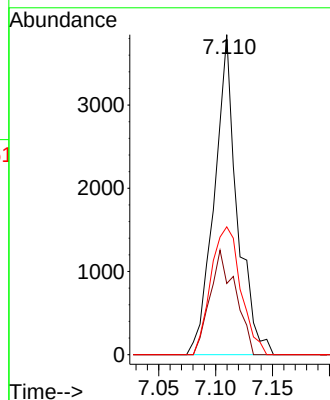
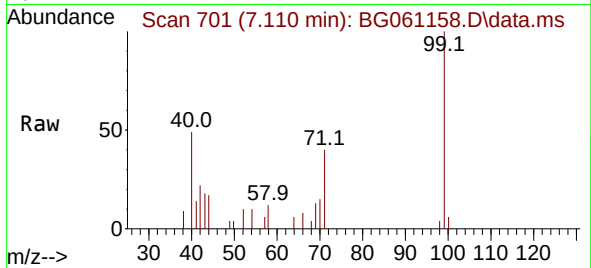
BNA_G

ClientSampleId :

PE-1

Tgt Ion: 99 Resp: 5387

Ion	Ratio	Lower	Upper
99	100		
42	22.3	29.2	43.8#
71	40.0	39.7	59.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.729 min Scan# 1317

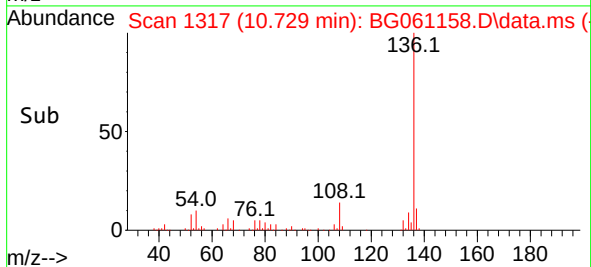
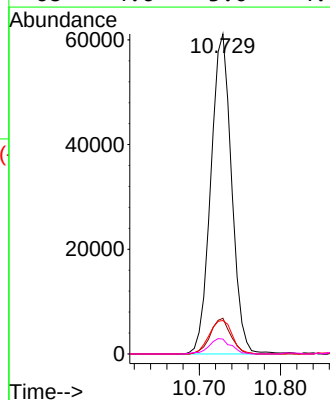
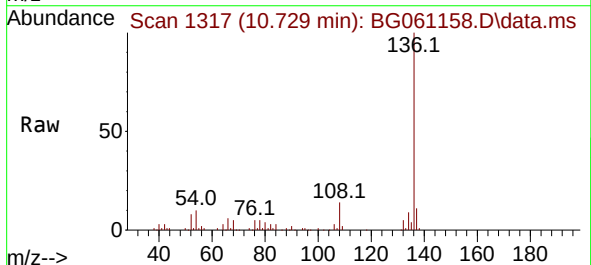
Delta R.T. -0.029 min

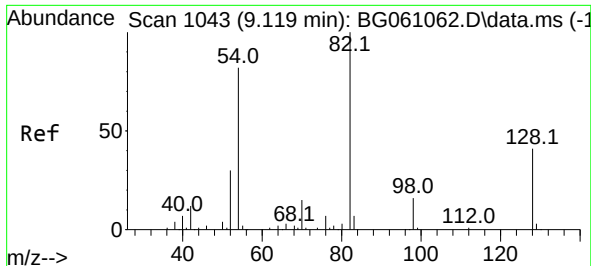
Lab File: BG061158.D

Acq: 9 May 2024 19:36

Tgt Ion:136 Resp: 108422

Ion	Ratio	Lower	Upper
136	100		
137	11.1	7.8	11.6
54	10.4	8.1	12.1
68	4.6	3.0	4.4#





#23

Nitrobenzene-d5

Concen: 2.059 ng

RT: 9.084 min Scan# 1043

Delta R.T. -0.035 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

Instrument :

BNA_G

ClientSampleId :

PE-1

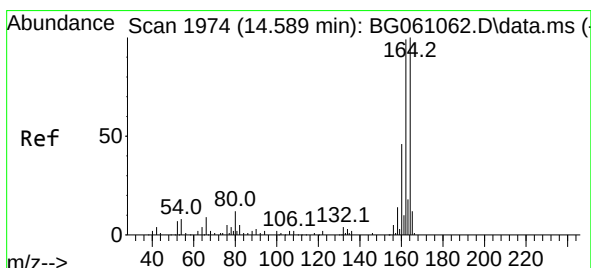
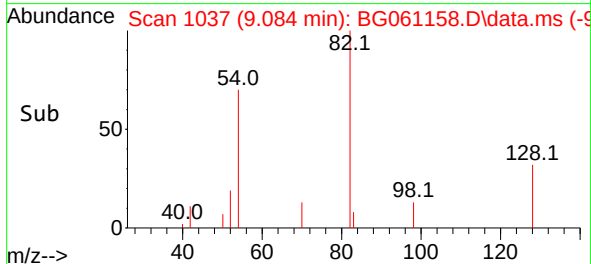
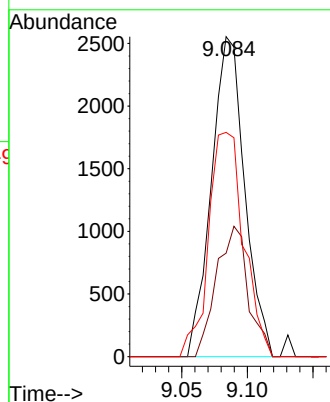
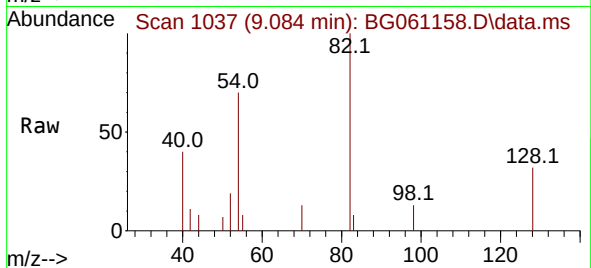
Tgt Ion: 82 Resp: 4504

Ion Ratio Lower Upper

82 100

128 32.3 32.7 49.1#

54 70.1 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.566 min Scan# 1970

Delta R.T. -0.023 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

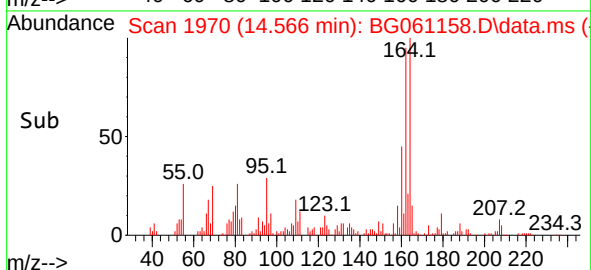
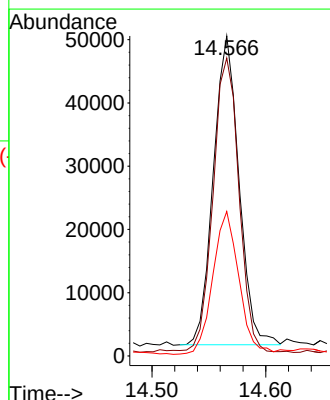
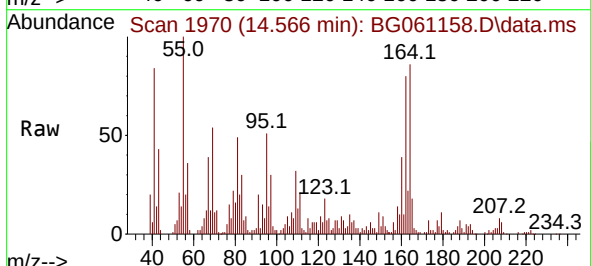
Tgt Ion:164 Resp: 76272

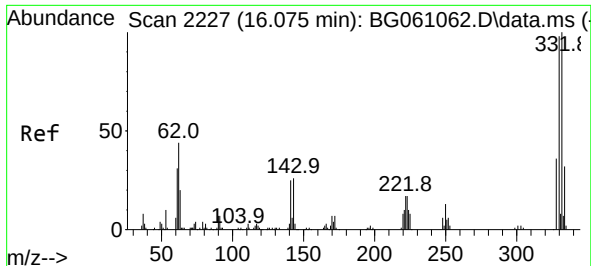
Ion Ratio Lower Upper

164 100

162 93.1 79.4 119.2

160 45.2 37.0 55.6

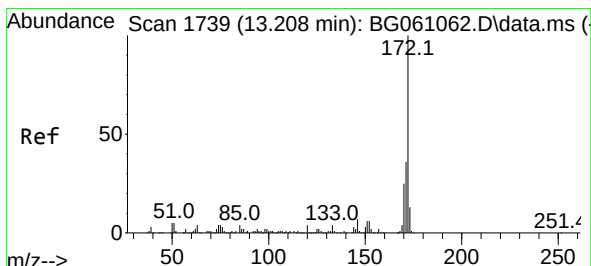
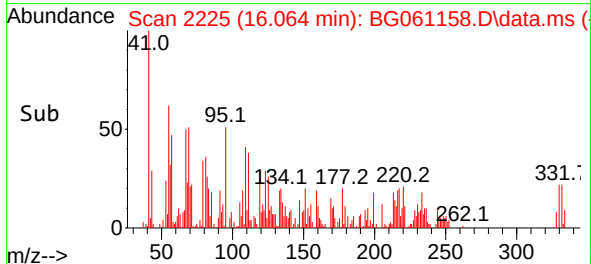
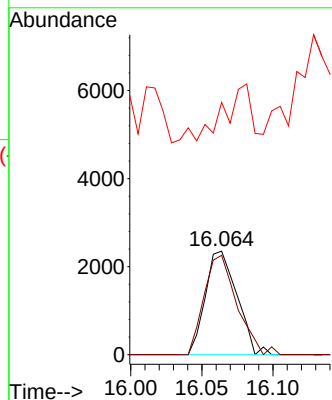
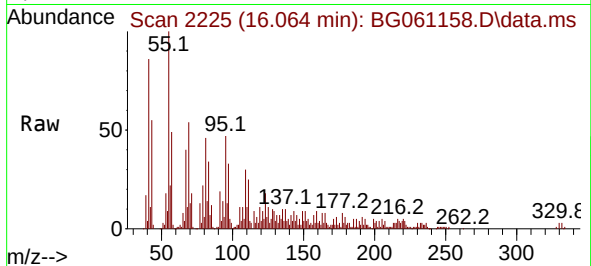




#42
2,4,6-Tribromophenol
Concen: 2.386 ng
RT: 16.064 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

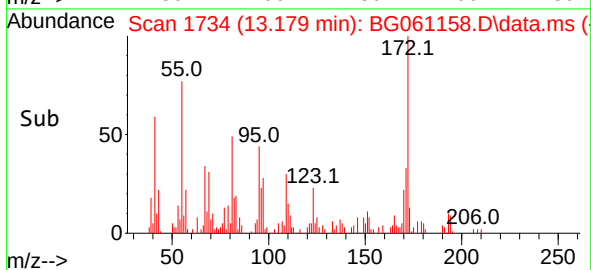
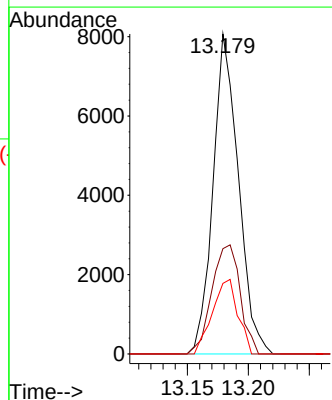
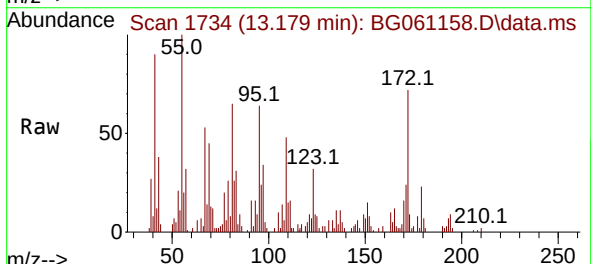
Instrument :
BNA_G
ClientSampleId :
PE-1

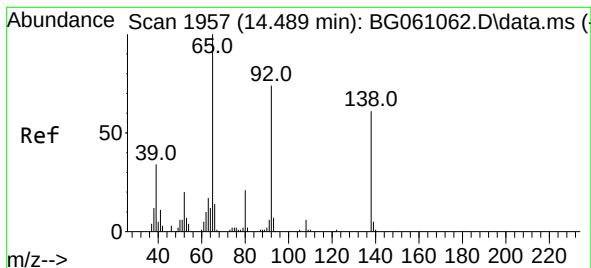
Tgt Ion:330 Resp: 3637
Ion Ratio Lower Upper
330 100
332 99.8 78.6 117.8
141 30.8 20.5 30.7#



#45
2-Fluorobiphenyl
Concen: 2.263 ng
RT: 13.179 min Scan# 1734
Delta R.T. -0.029 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

Tgt Ion:172 Resp: 11672
Ion Ratio Lower Upper
172 100
171 32.9 29.0 43.6
170 22.1 20.2 30.4

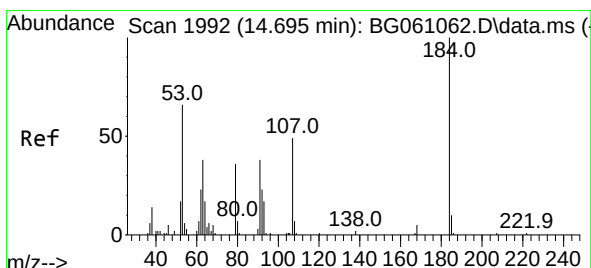
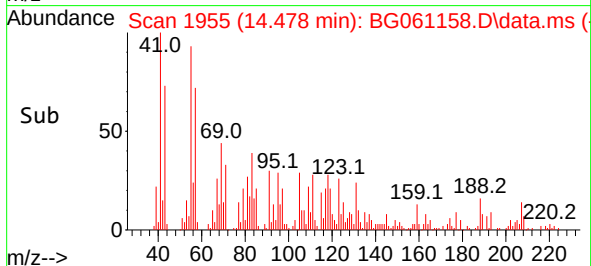
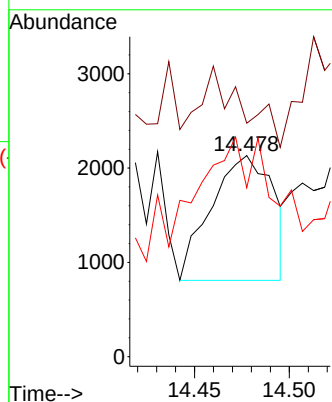
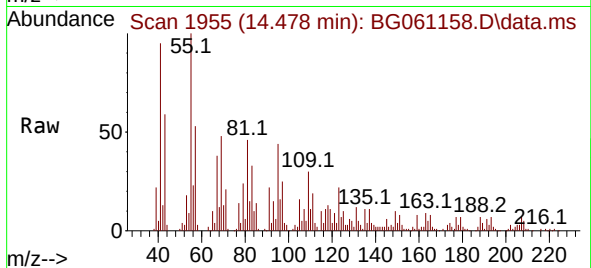




#53
3-Nitroaniline
Concen: 2.607 ng
RT: 14.478 min Scan# 1957
Delta R.T. -0.011 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

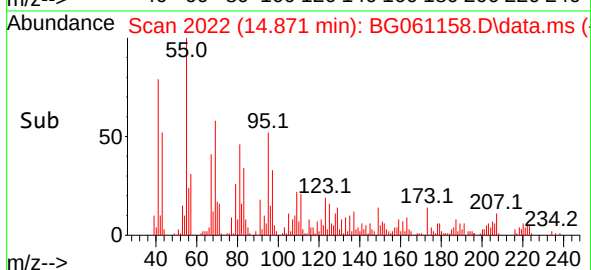
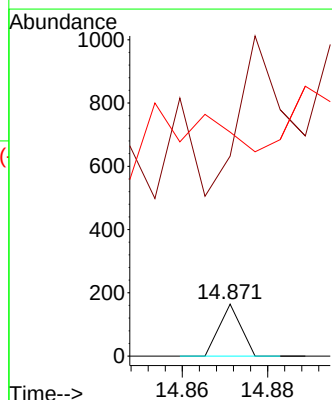
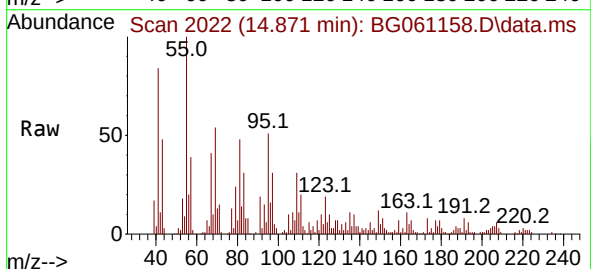
Instrument :
BNA_G
ClientSampleId :
PE-1

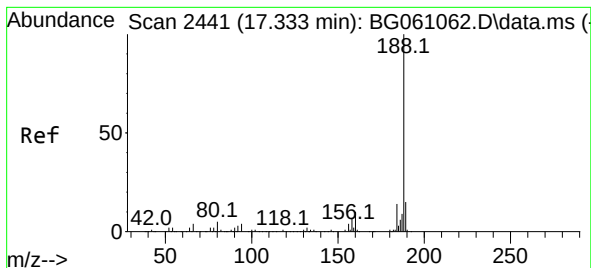
Tgt Ion:138 Resp: 3006
Ion Ratio Lower Upper
138 100
108 116.1 8.2 12.2#
92 84.0 98.0 147.0#



#54
2,4-Dinitrophenol
Concen: 2.271 ng
RT: 14.871 min Scan# 2022
Delta R.T. 0.177 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 385.4 62.6 93.8#
154 431.7 61.4 92.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.321 min Scan# 2441

Delta R.T. -0.011 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

Instrument :

BNA_G

ClientSampleId :

PE-1

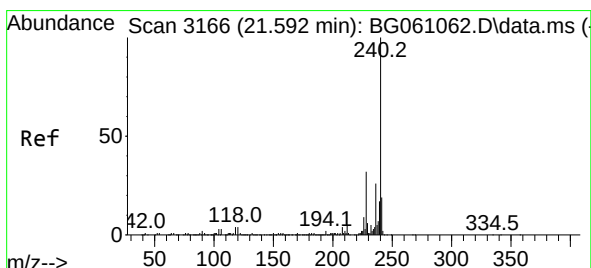
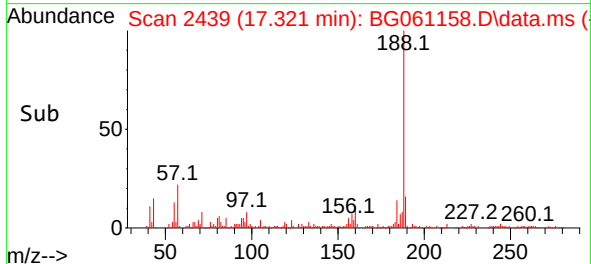
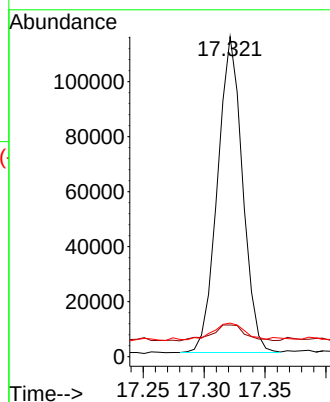
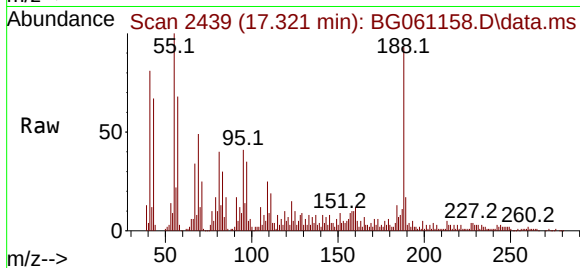
Tgt Ion:188 Resp: 164042

Ion Ratio Lower Upper

188 100

94 9.9 3.6 5.4#

80 10.5 4.2 6.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.575 min Scan# 3163

Delta R.T. -0.017 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

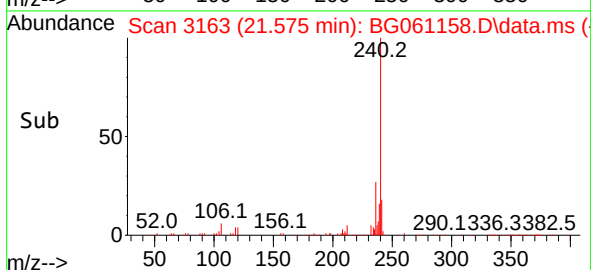
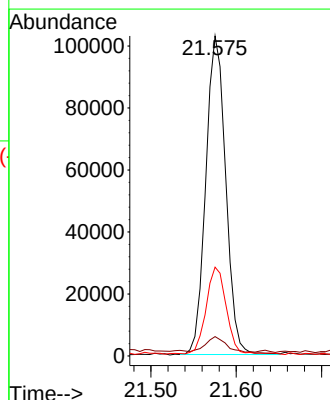
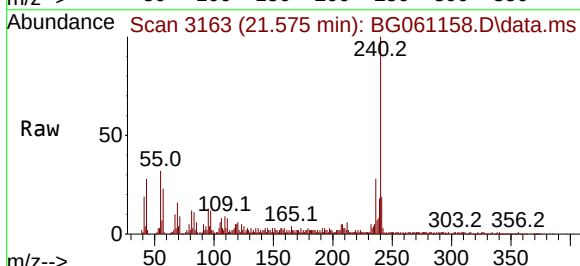
Tgt Ion:240 Resp: 166694

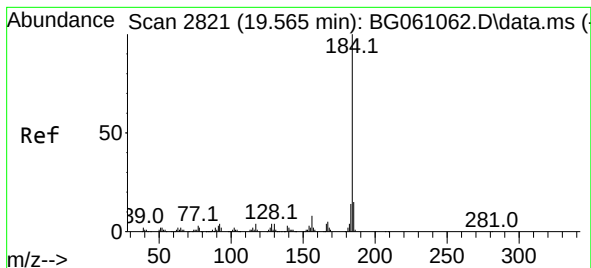
Ion Ratio Lower Upper

240 100

120 6.1 3.2 4.8#

236 27.8 21.0 31.6





#77

Benzidine

Concen: 3.047 ng

RT: 19.542 min Scan# 2

Delta R.T. -0.023 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

Instrument :

BNA_G

ClientSampleId :

PE-1

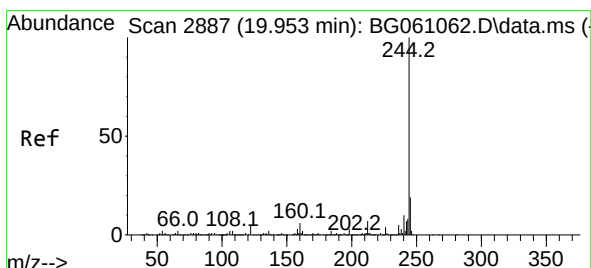
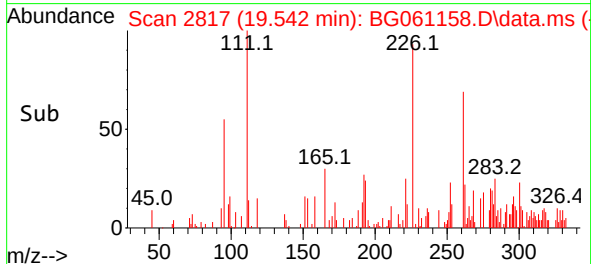
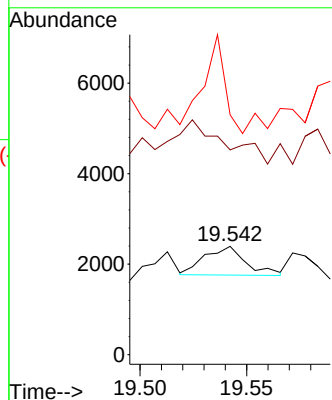
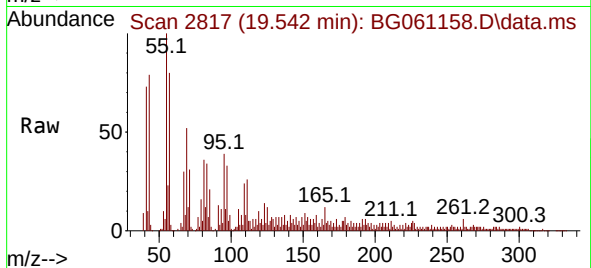
Tgt Ion:184 Resp: 848

Ion Ratio Lower Upper

184 100

185 188.9 12.0 18.0#

183 221.3 10.9 16.3#



#79

Terphenyl-d14

Concen: 2.449 ng

RT: 19.936 min Scan# 2884

Delta R.T. -0.017 min

Lab File: BG061158.D

Acq: 9 May 2024 19:36

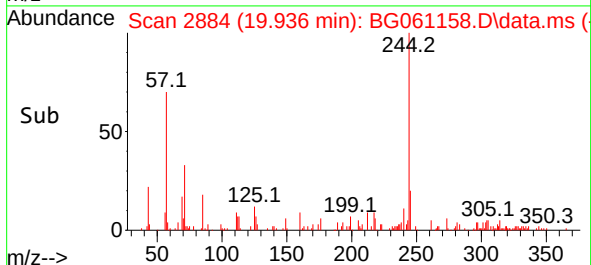
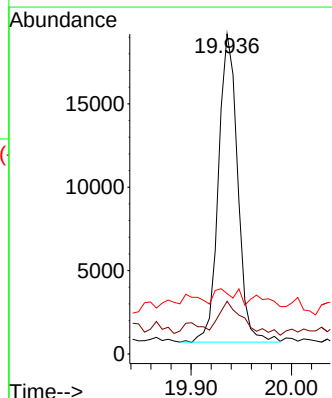
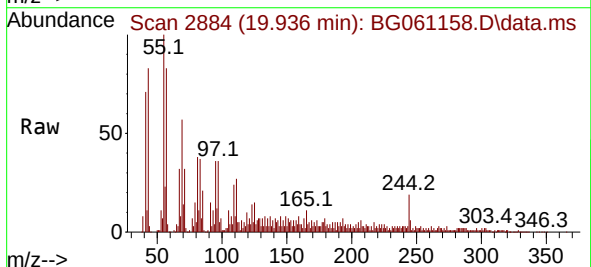
Tgt Ion:244 Resp: 24542

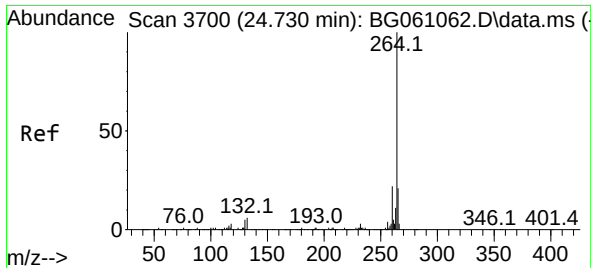
Ion Ratio Lower Upper

244 100

212 16.4 5.7 8.5#

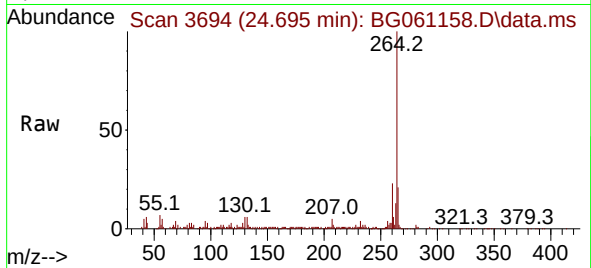
122 18.9 4.2 6.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.695 min Scan# 30
Delta R.T. -0.035 min
Lab File: BG061158.D
Acq: 9 May 2024 19:36

Instrument :
BNA_G
ClientSampleId :
PE-1



Tgt Ion:264 Resp: 199605

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.7	26.5
265	20.9	16.4	24.6

