

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061243.D
 Acq On : 17 May 2024 17:55
 Operator : MA/JU
 Sample : P2497-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 280856

Quant Time: May 17 23:52:42 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)

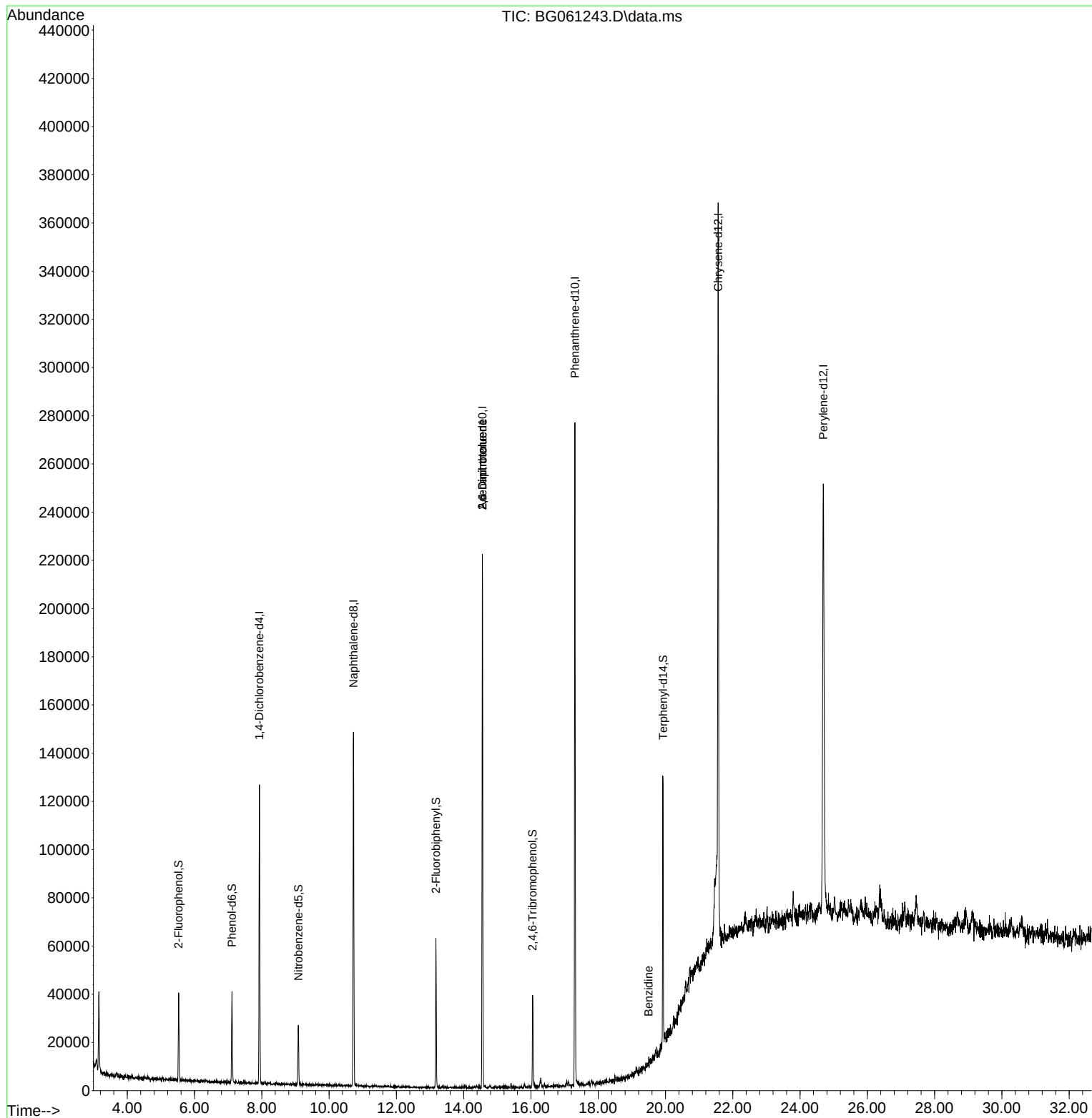
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	30693	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	116410	20.000	ng	#-0.03
39) Acenaphthene-d10	14.556	164	83846	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	181472	20.000	ng	#-0.03
76) Chrysene-d12	21.566	240	184867	20.000	ng	-0.03
86) Perylene-d12	24.692	264	224177	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	13249	8.779	ng	-0.02
7) Phenol-d6	7.112	99	16956	7.595	ng	-0.02
23) Nitrobenzene-d5	9.086	82	13198	5.620	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	9741	5.812	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	32401	5.714	ng	-0.03
79) Terphenyl-d14	19.927	244	56794	5.109	ng	-0.03
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.556	165	10885	7.858	ng	# 15
57) 2,4-Dinitrotoluene	14.556	165	10885	5.311	ng	# 17
77) Benzidine	19.498	184	56	2.810	ng	# 65

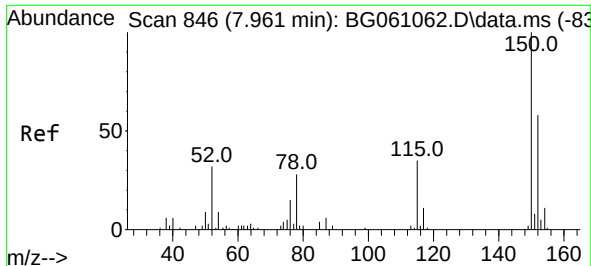
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
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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

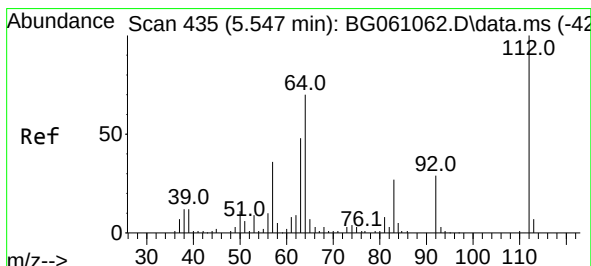
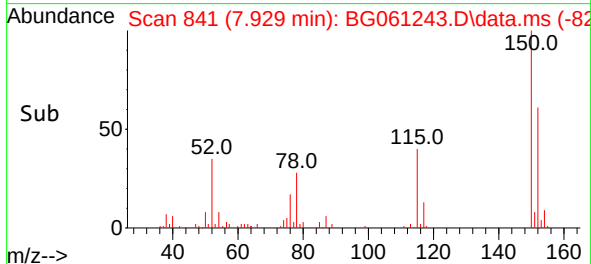
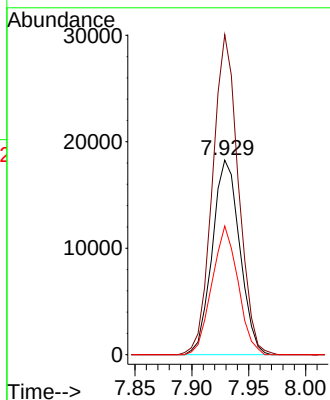
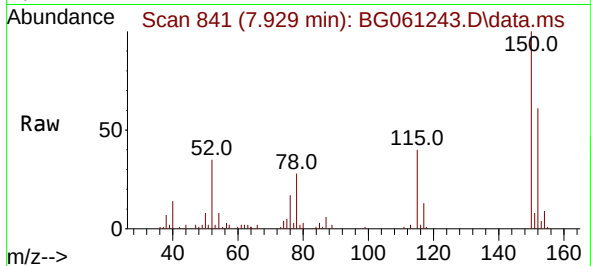




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 841
Delta R.T. -0.032 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

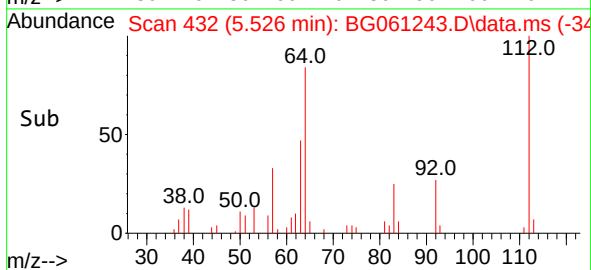
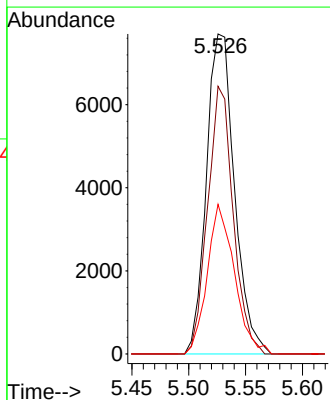
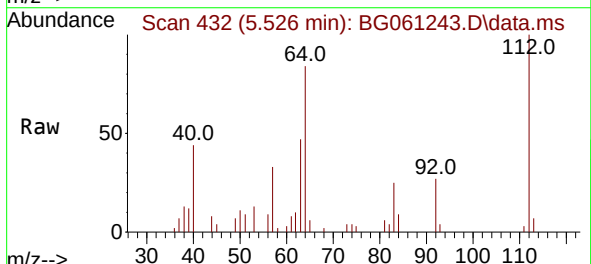
Instrument :
BNA_G
ClientSampleId :
280856

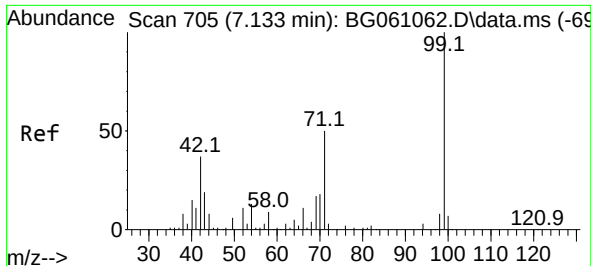
Tgt Ion:152 Resp: 30693
Ion Ratio Lower Upper
152 100
150 164.5 138.3 207.5
115 66.2 48.0 72.0



#5
2-Fluorophenol
Concen: 8.779 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

Tgt Ion:112 Resp: 13249
Ion Ratio Lower Upper
112 100
64 83.7 55.7 83.5#
63 46.7 38.1 57.1

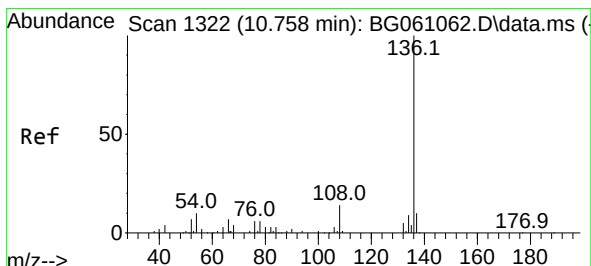
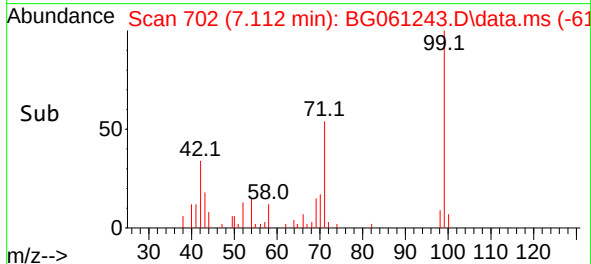
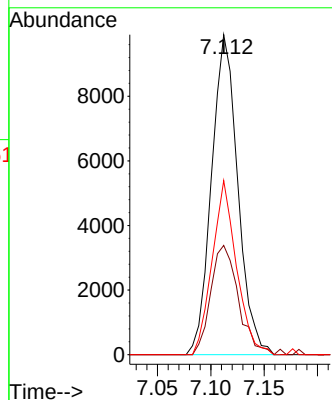
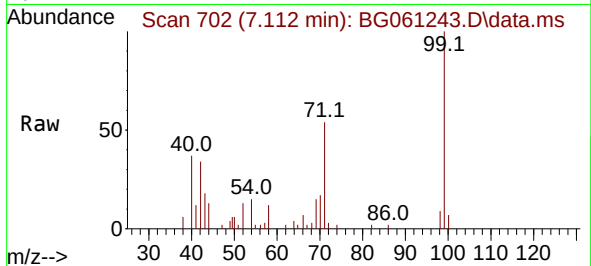




#7
Phenol-d6
Concen: 7.595 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

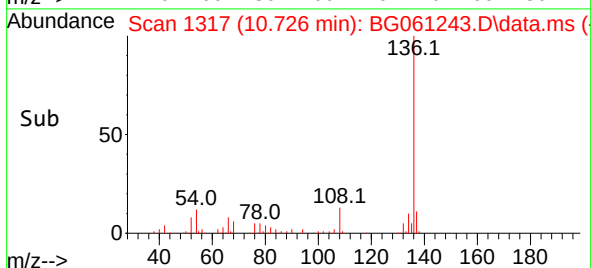
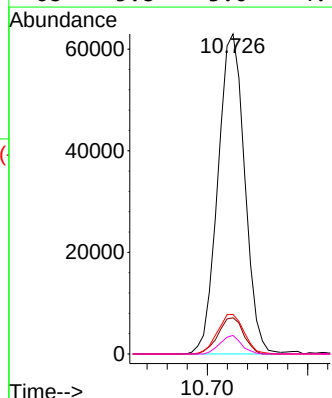
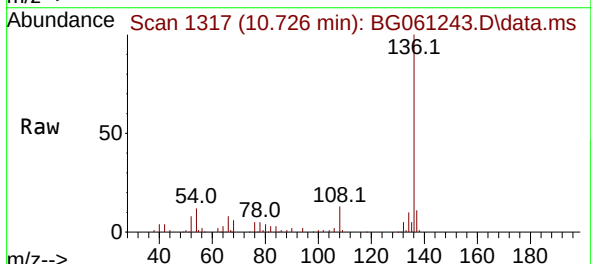
Instrument :
BNA_G
ClientSampleId :
280856

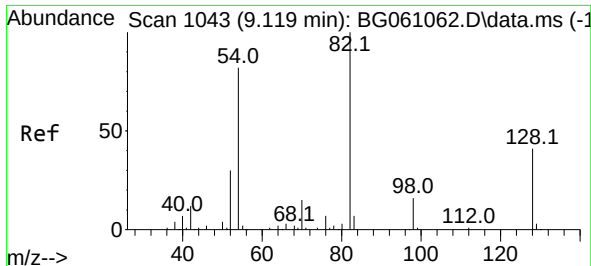
Tgt Ion: 99 Resp: 16956
Ion Ratio Lower Upper
99 100
42 34.2 29.2 43.8
71 54.4 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.033 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

Tgt Ion: 136 Resp: 116410
Ion Ratio Lower Upper
136 100
137 11.3 7.8 11.6
54 12.3 8.1 12.1#
68 5.8 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 5.620 ng

RT: 9.086 min Scan# 1038

Delta R.T. -0.033 min

Lab File: BG061243.D

Acq: 17 May 2024 17:55

Instrument :

BNA_G

ClientSampleId :

280856

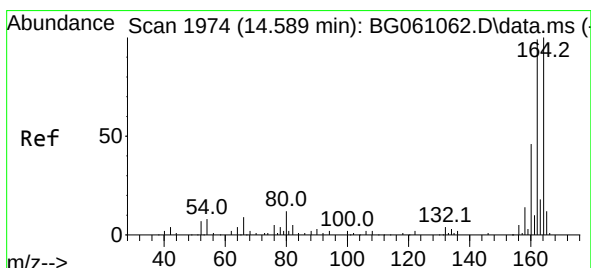
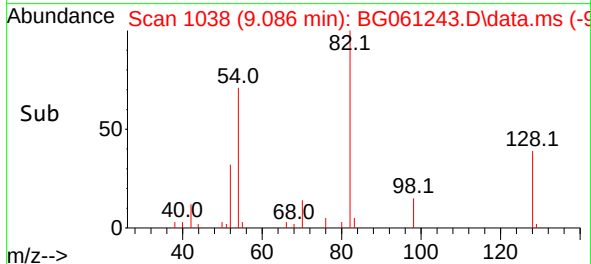
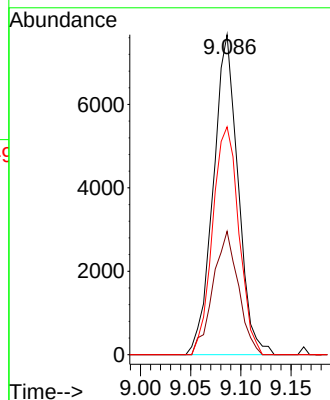
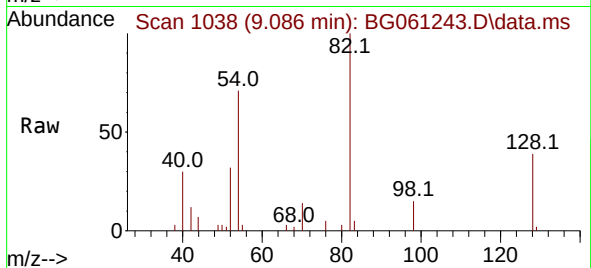
Tgt Ion: 82 Resp: 13198

Ion Ratio Lower Upper

82 100

128 38.6 32.7 49.1

54 71.2 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1969

Delta R.T. -0.033 min

Lab File: BG061243.D

Acq: 17 May 2024 17:55

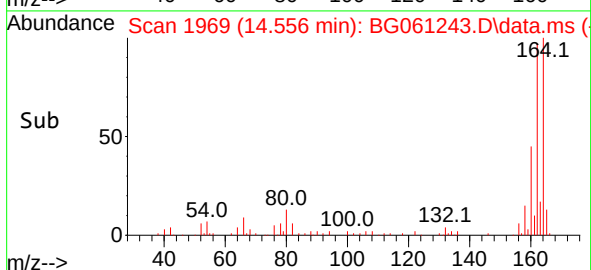
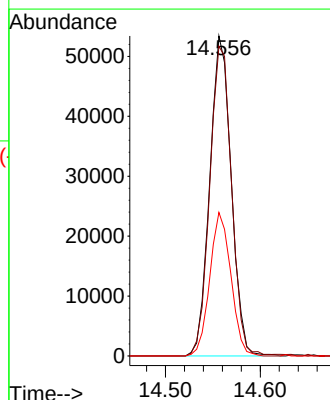
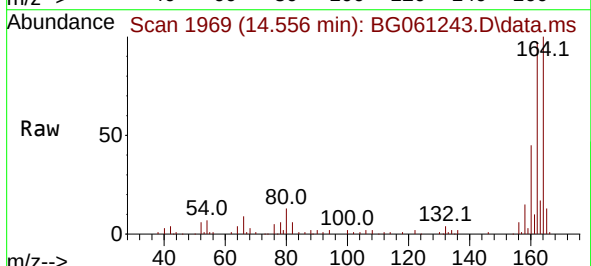
Tgt Ion:164 Resp: 83846

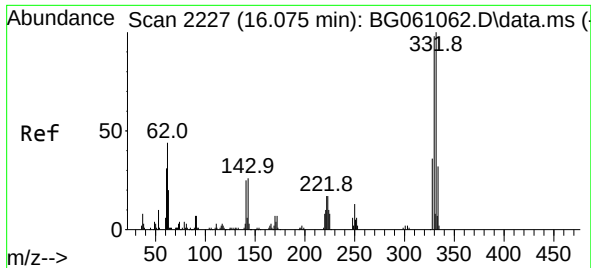
Ion Ratio Lower Upper

164 100

162 96.8 79.4 119.2

160 44.8 37.0 55.6

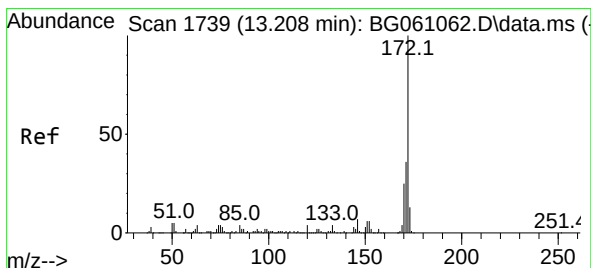
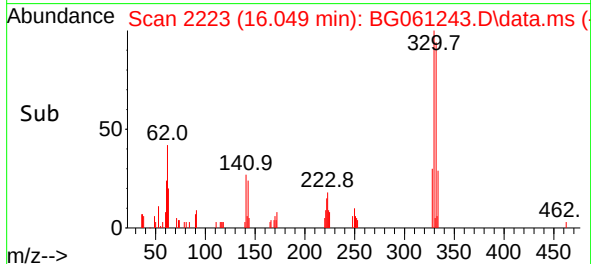
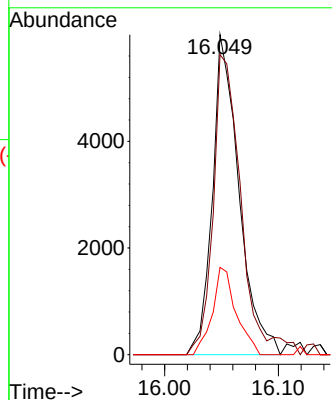
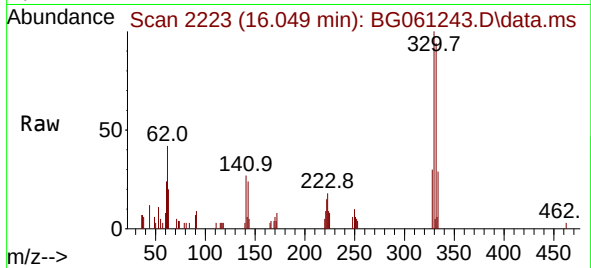




#42
2,4,6-Tribromophenol
Concen: 5.812 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

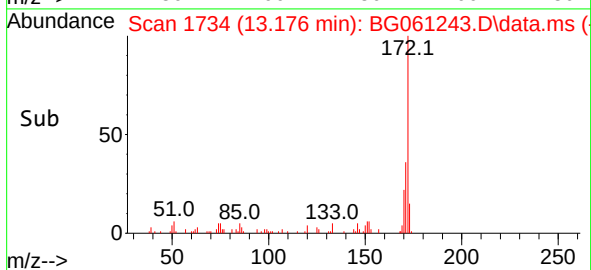
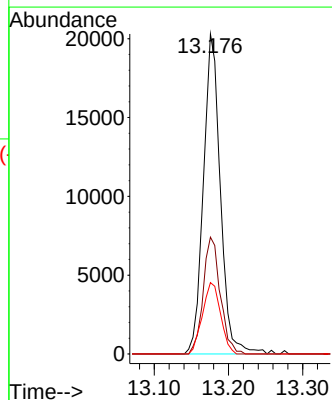
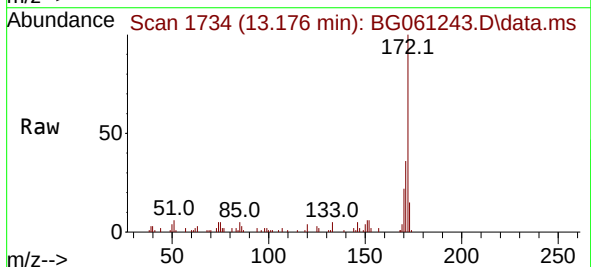
Instrument :
BNA_G
ClientSampleId :
280856

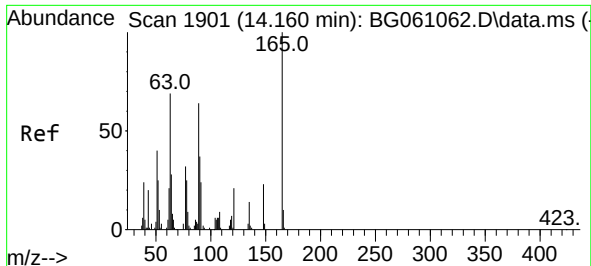
Tgt Ion:330 Resp: 9741
Ion Ratio Lower Upper
330 100
332 98.1 78.6 117.8
141 24.5 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 5.714 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.033 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

Tgt Ion:172 Resp: 32401
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 22.3 20.2 30.4

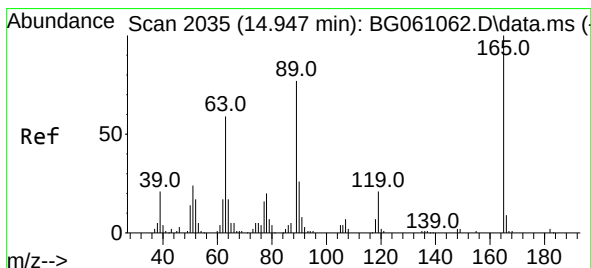
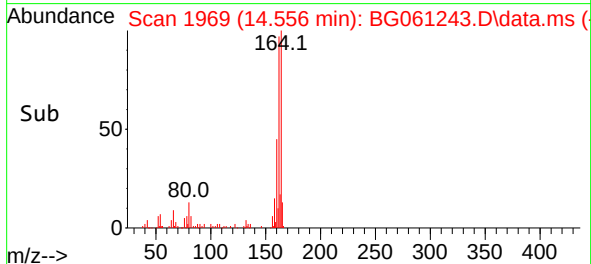
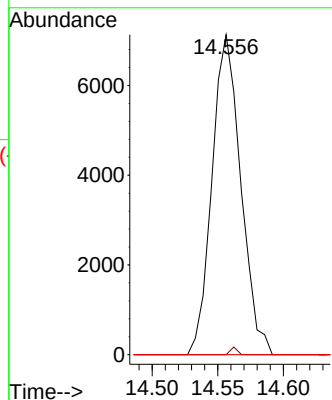
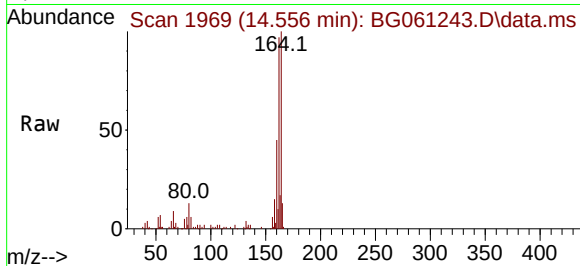




#51
2,6-Dinitrotoluene
Concen: 7.858 ng
RT: 14.556 min Scan# 1901
Delta R.T. 0.396 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

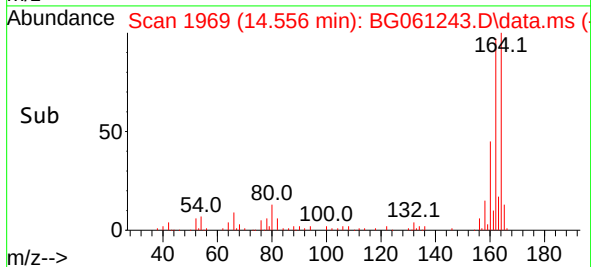
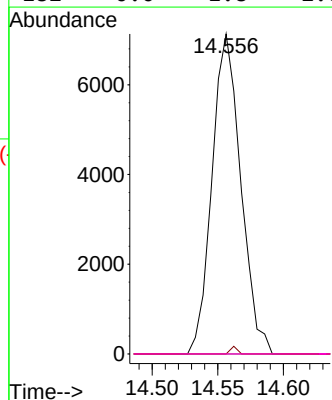
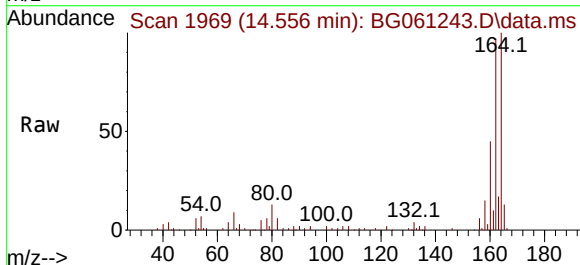
Instrument :
BNA_G
ClientSampleId :
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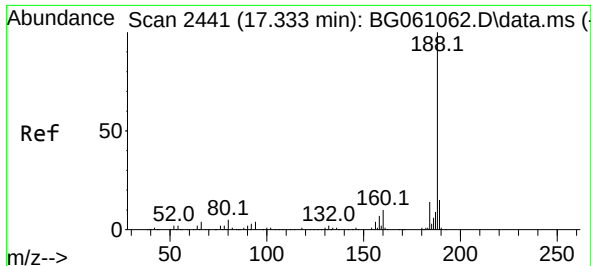
Tgt Ion:165 Resp: 10885
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.311 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

Tgt Ion:165 Resp: 10885
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#

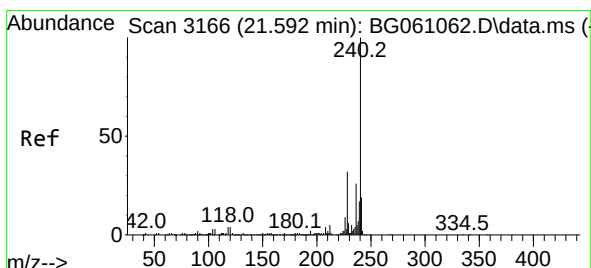
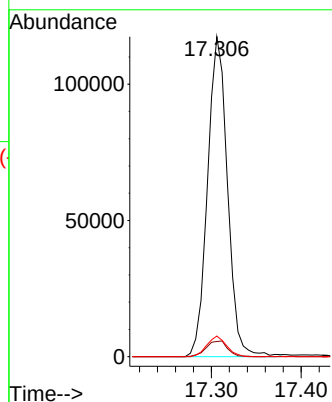
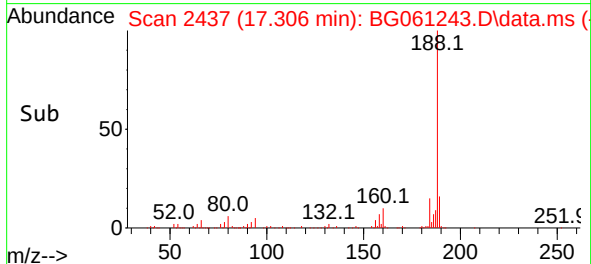
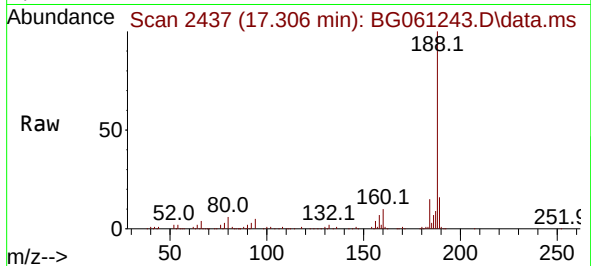




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

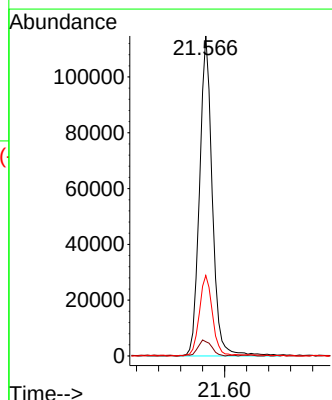
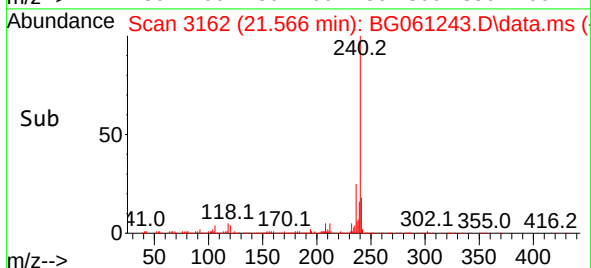
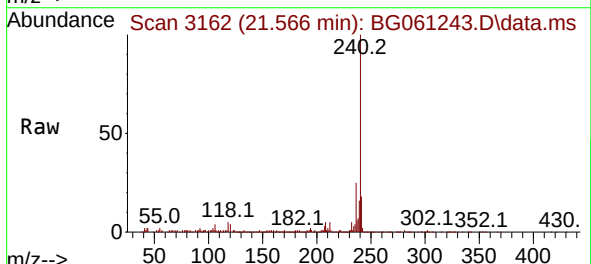
Instrument :
BNA_G
ClientSampleId :
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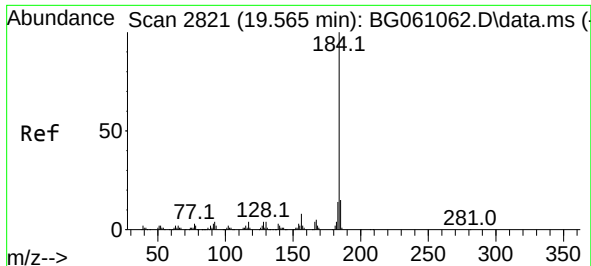
Tgt Ion:188 Resp: 181472
Ion Ratio Lower Upper
188 100
94 4.7 3.6 5.4
80 6.4 4.2 6.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

Tgt Ion:240 Resp: 184867
Ion Ratio Lower Upper
240 100
120 4.5 3.2 4.8
236 25.2 21.0 31.6

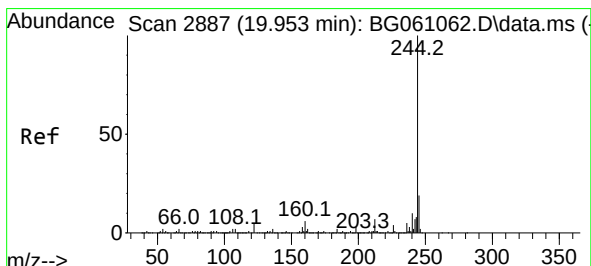
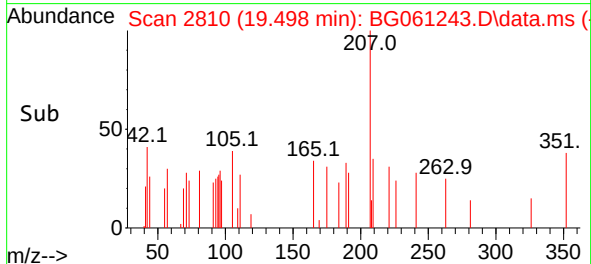
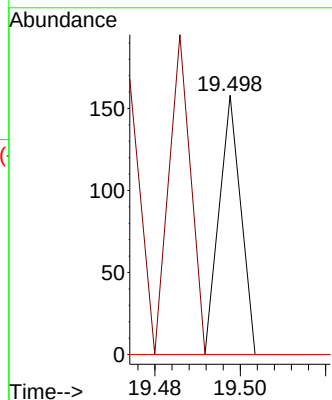
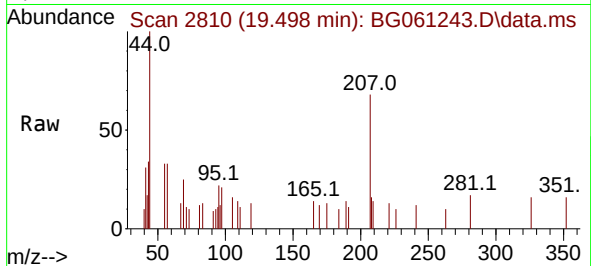




#77
Benzidine
Concen: 2.810 ng
RT: 19.498 min Scan# 2810
Delta R.T. -0.067 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

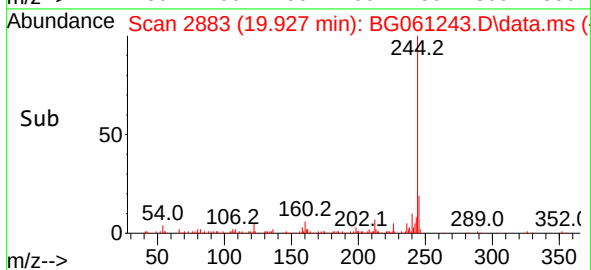
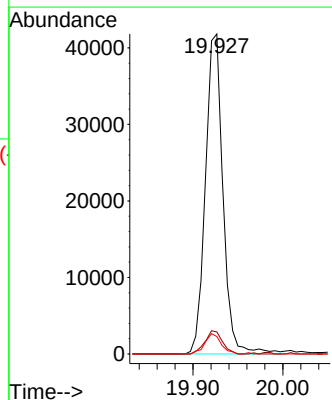
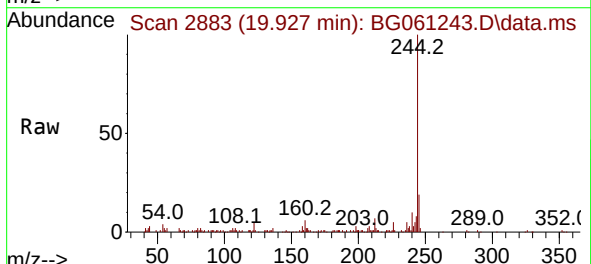
Instrument :
BNA_G
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280856

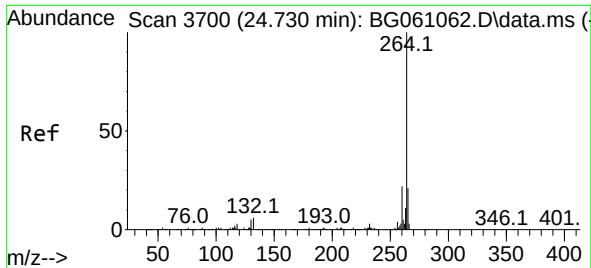
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#



#79
Terphenyl-d14
Concen: 5.109 ng
RT: 19.927 min Scan# 2883
Delta R.T. -0.027 min
Lab File: BG061243.D
Acq: 17 May 2024 17:55

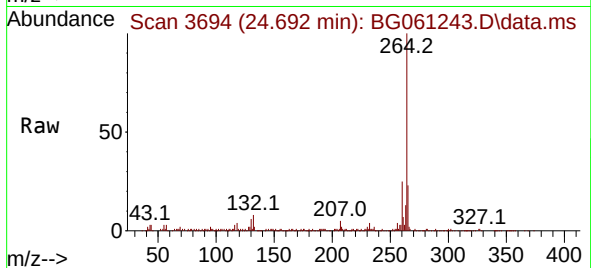
Tgt Ion:244 Resp: 56794
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 5.4 4.2 6.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.692 min Scan# 30
 Delta R.T. -0.038 min
 Lab File: BG061243.D
 Acq: 17 May 2024 17:55

Instrument :
 BNA_G
 ClientSampleId :
 280856



Tgt Ion:264 Resp: 224177

Ion	Ratio	Lower	Upper
264	100		
260	25.3	17.7	26.5
265	22.8	16.4	24.6

