

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061245.D
 Acq On : 17 May 2024 19:17
 Operator : MA/JU
 Sample : P2497-03 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT3823

Quant Time: May 17 23:53:21 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)

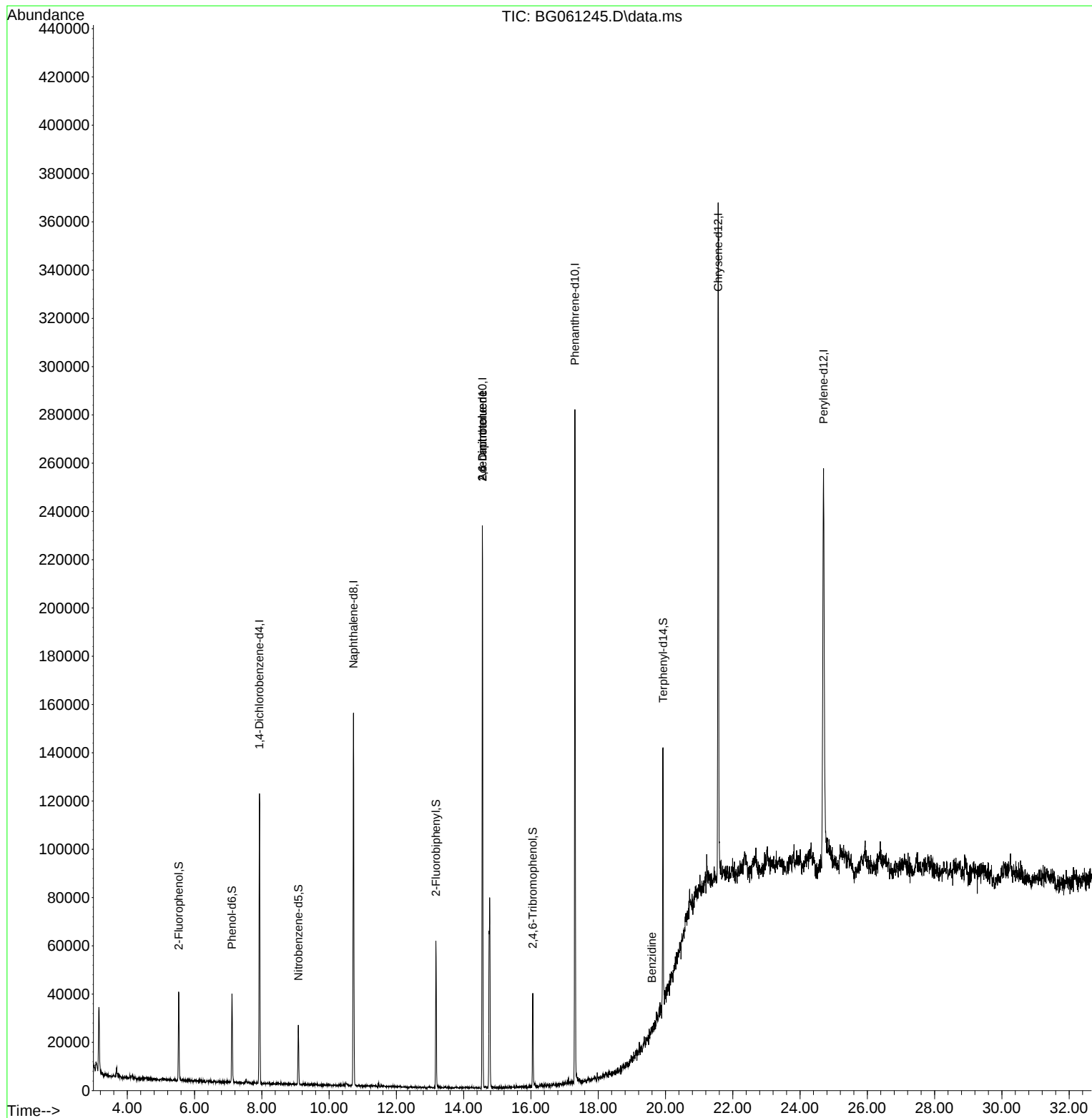
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	31541	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	118503	20.000	ng	#-0.03
39) Acenaphthene-d10	14.556	164	84854	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	179768	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	180472	20.000	ng	#-0.03
86) Perylene-d12	24.697	264	207751	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	13471	8.686	ng	-0.01
7) Phenol-d6	7.112	99	18354	8.000	ng	-0.02
23) Nitrobenzene-d5	9.086	82	12588	5.266	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	9742	5.744	ng	-0.02
45) 2-Fluorobiphenyl	13.176	172	32679	5.695	ng	-0.03
79) Terphenyl-d14	19.927	244	56934	5.247	ng	-0.03
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.556	165	11441	8.161	ng	# 16
57) 2,4-Dinitrotoluene	14.556	165	11441	5.516	ng	# 18
77) Benzidine	19.598	184	57	2.811	ng	# 65

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

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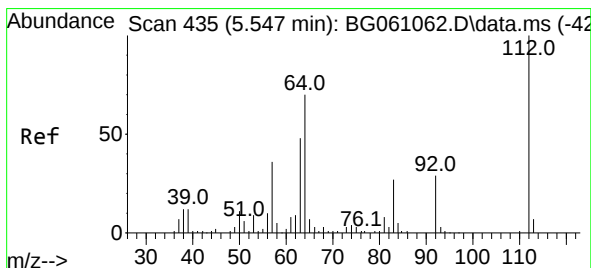
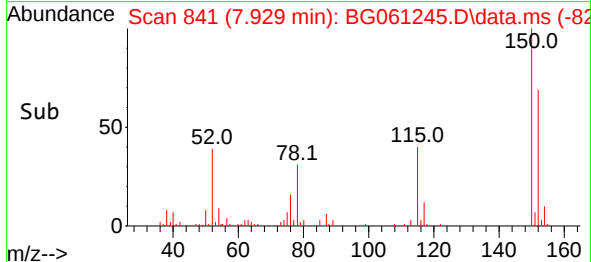
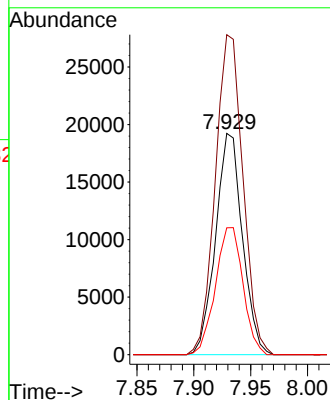
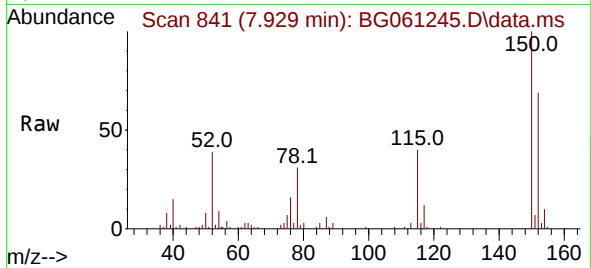




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

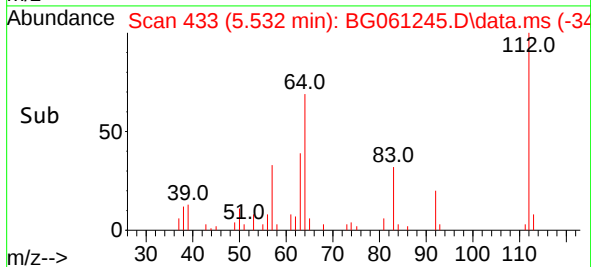
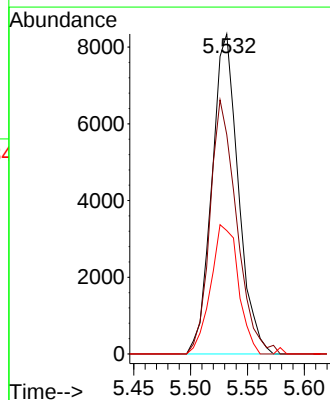
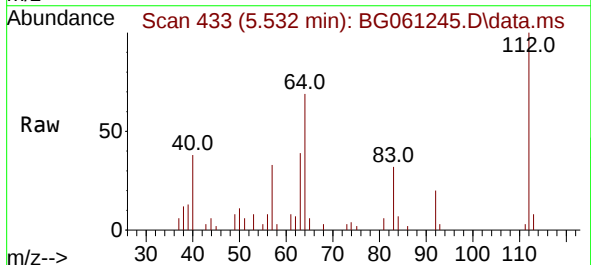
Instrument :
BNA_G
ClientSampleId :
RT3823

Tgt Ion:152 Resp: 31541
Ion Ratio Lower Upper
152 100
150 144.7 138.3 207.5
115 57.4 48.0 72.0



#5
2-Fluorophenol
Concen: 8.686 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.015 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

Tgt Ion:112 Resp: 13471
Ion Ratio Lower Upper
112 100
64 68.5 55.7 83.5
63 38.6 38.1 57.1

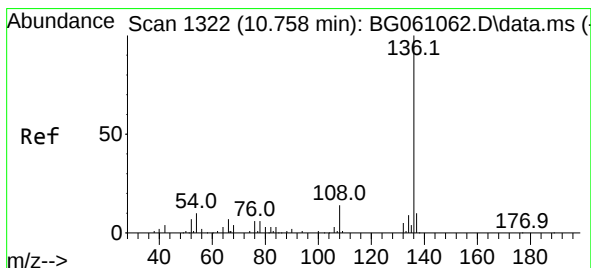
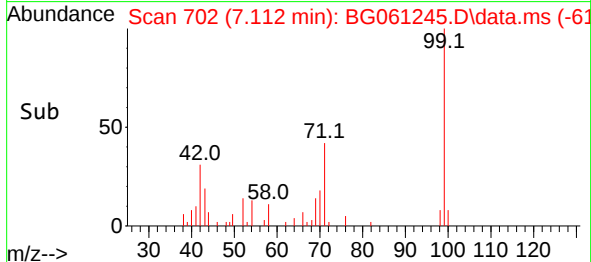
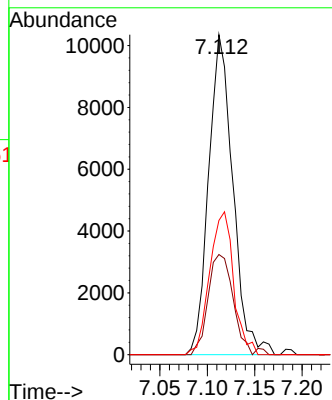
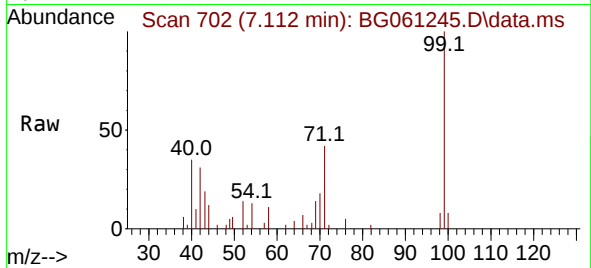




#7
Phenol-d6
Concen: 8.000 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

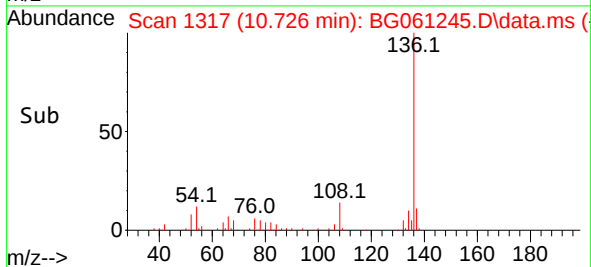
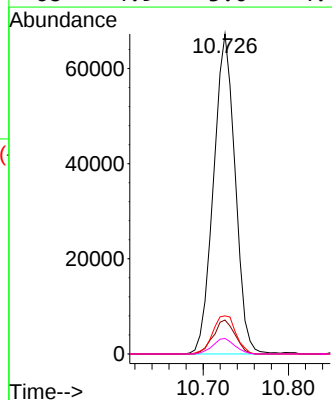
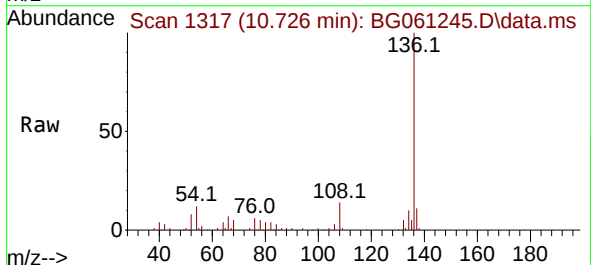
Instrument :
BNA_G
ClientSampleId :
RT3823

Tgt Ion: 99 Resp: 18354
Ion Ratio Lower Upper
99 100
42 31.3 29.2 43.8
71 42.0 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

Tgt Ion:136 Resp: 118503
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 11.9 8.1 12.1
68 4.9 3.0 4.4





#23

Nitrobenzene-d5

Concen: 5.266 ng

RT: 9.086 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061245.D

Acq: 17 May 2024 19:17

Instrument :

BNA_G

ClientSampleId :

RT3823

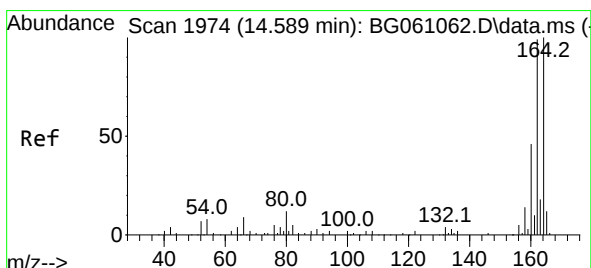
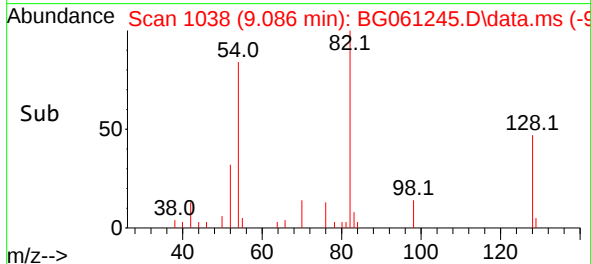
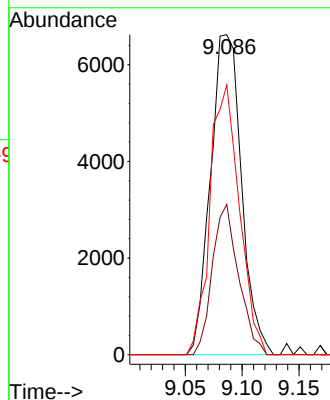
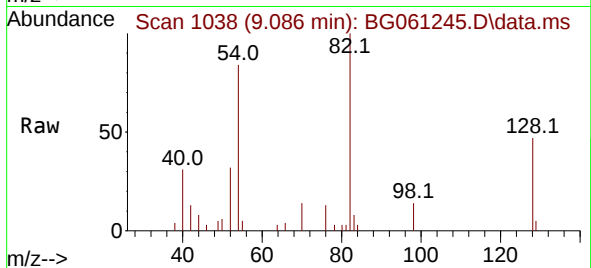
Tgt Ion: 82 Resp: 12588

Ion Ratio Lower Upper

82 100

128 47.0 32.7 49.1

54 84.3 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061245.D

Acq: 17 May 2024 19:17

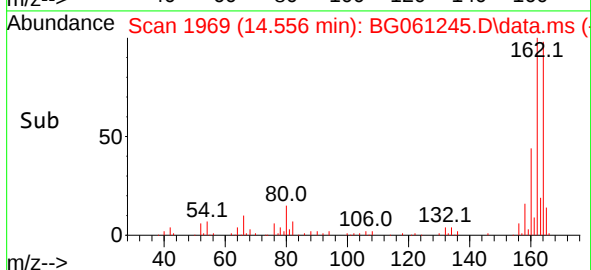
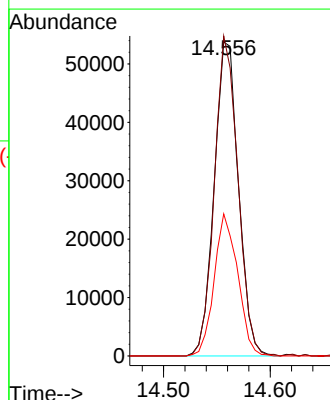
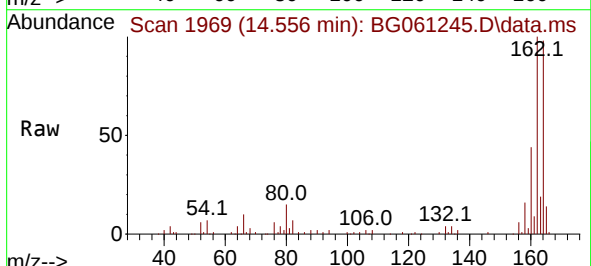
Tgt Ion:164 Resp: 84854

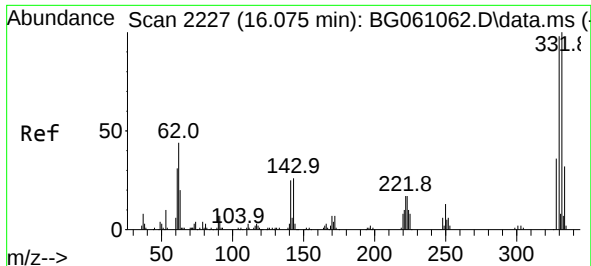
Ion Ratio Lower Upper

164 100

162 101.9 79.4 119.2

160 45.3 37.0 55.6

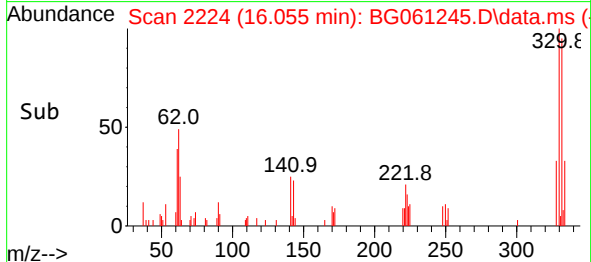
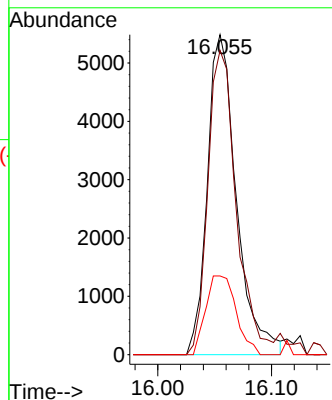
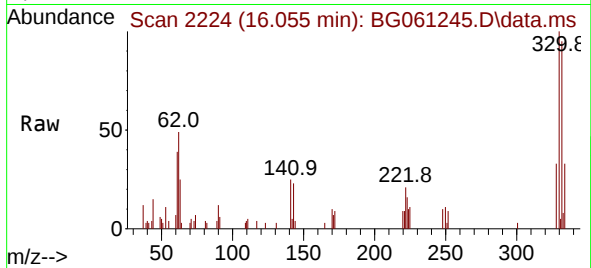




#42
2,4,6-Tribromophenol
Concen: 5.744 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

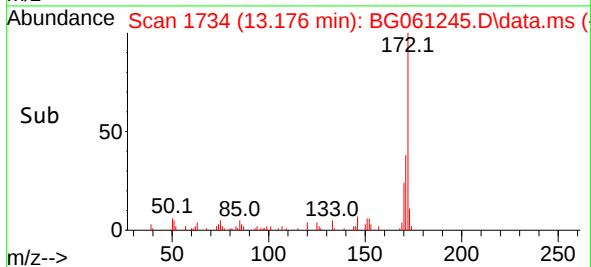
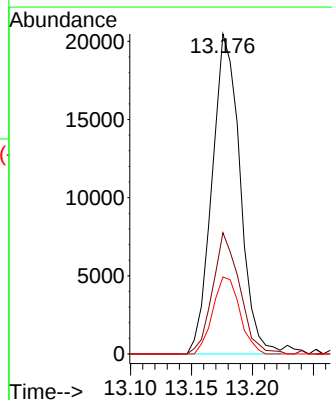
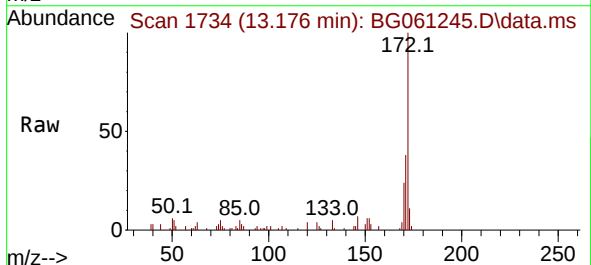
Instrument :
BNA_G
ClientSampleId :
RT3823

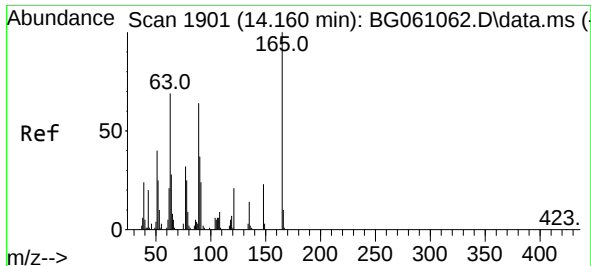
Tgt Ion:330 Resp: 9742
Ion Ratio Lower Upper
330 100
332 92.9 78.6 117.8
141 25.6 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 5.695 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

Tgt Ion:172 Resp: 32679
Ion Ratio Lower Upper
172 100
171 37.9 29.0 43.6
170 24.1 20.2 30.4

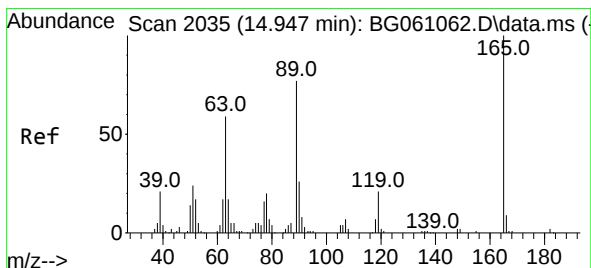
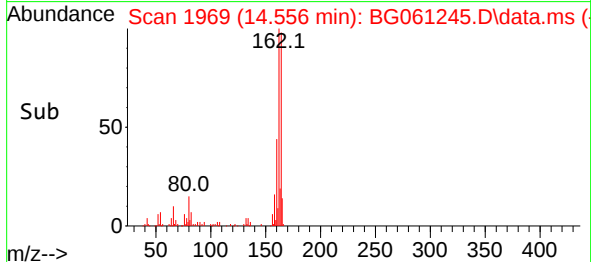
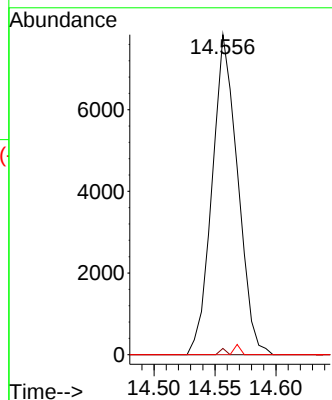
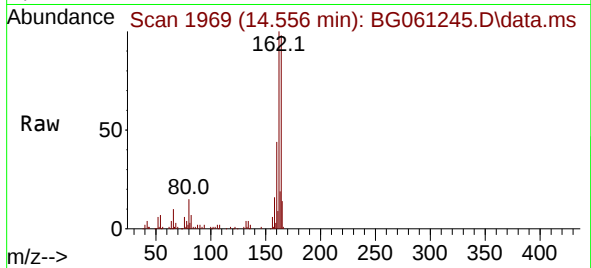




#51
2,6-Dinitrotoluene
Concen: 8.161 ng
RT: 14.556 min Scan# 1901
Delta R.T. 0.396 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

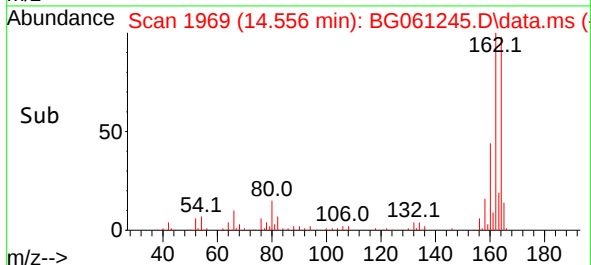
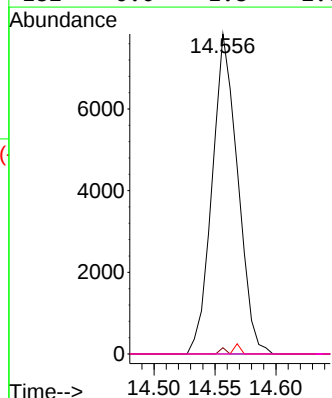
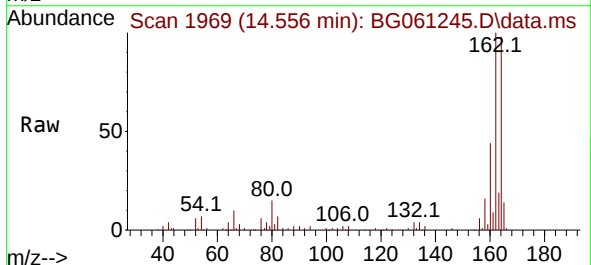
Instrument :
BNA_G
ClientSampleId :
RT3823

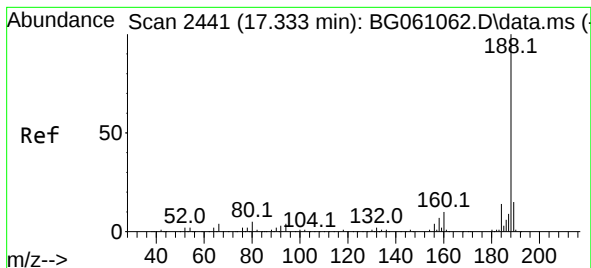
Tgt Ion:165 Resp: 11441
Ion Ratio Lower Upper
165 100
63 2.0 60.0 90.0#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.516 ng
RT: 14.556 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061245.D
Acq: 17 May 2024 19:17

Tgt Ion:165 Resp: 11441
Ion Ratio Lower Upper
165 100
63 2.0 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: BG061245.D

Acq: 17 May 2024 19:17

Instrument :

BNA_G

ClientSampleId :

RT3823

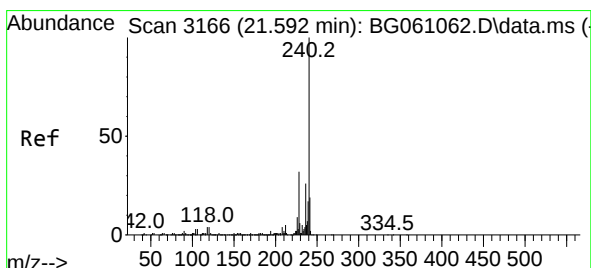
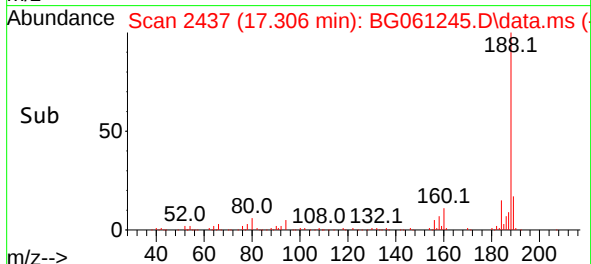
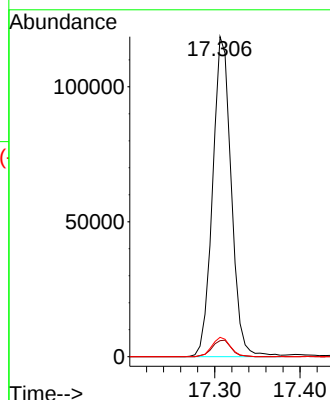
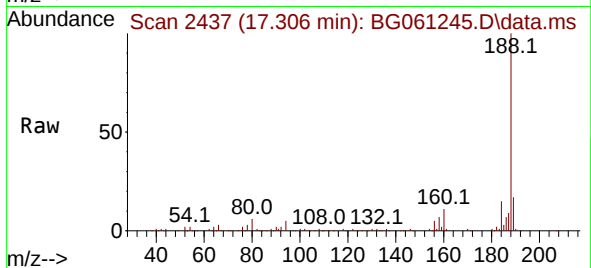
Tgt Ion:188 Resp: 179768

Ion Ratio Lower Upper

188 100

94 5.0 3.6 5.4

80 6.0 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: BG061245.D

Acq: 17 May 2024 19:17

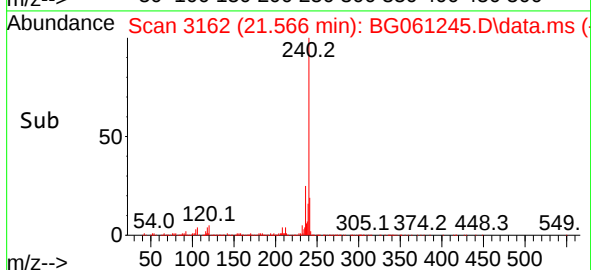
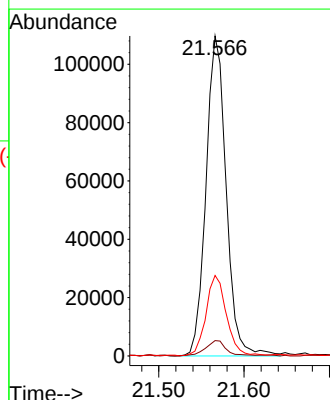
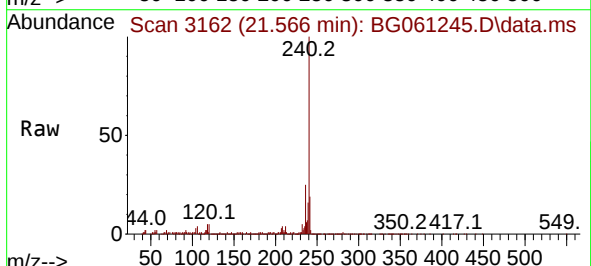
Tgt Ion:240 Resp: 180472

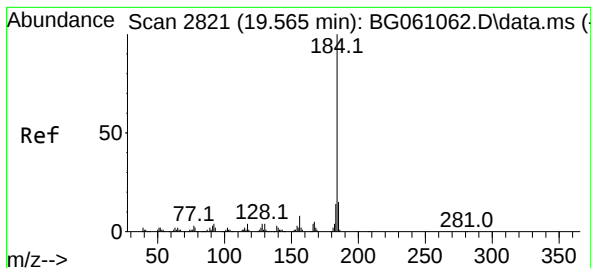
Ion Ratio Lower Upper

240 100

120 4.8 3.2 4.8#

236 25.2 21.0 31.6





#77

Benzidine

Concen: 2.811 ng

RT: 19.598 min Scan# 2827

Delta R.T. 0.033 min

Lab File: BG061245.D

Acq: 17 May 2024 19:17

Instrument :

BNA_G

ClientSampleId :

RT3823

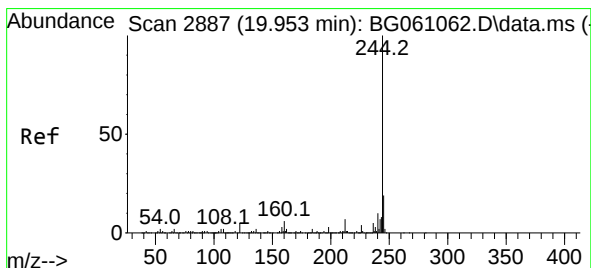
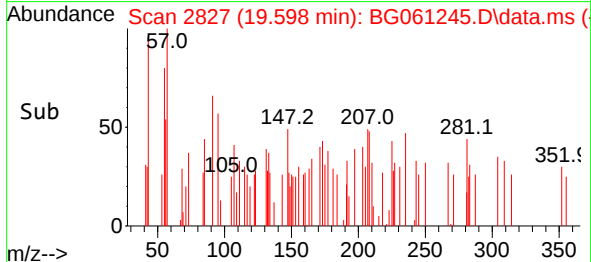
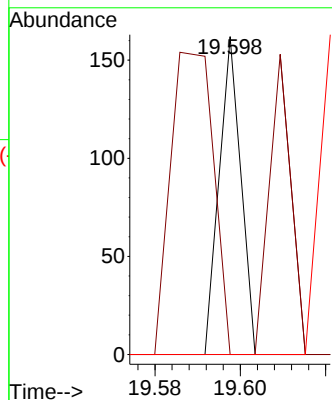
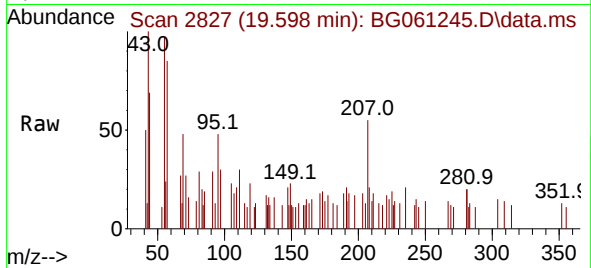
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

185 0.0 12.0 18.0#

183 0.0 10.9 16.3#



#79

Terphenyl-d14

Concen: 5.247 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.027 min

Lab File: BG061245.D

Acq: 17 May 2024 19:17

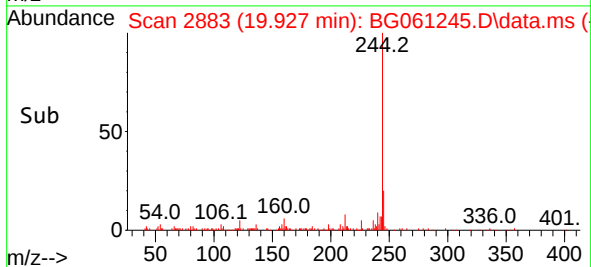
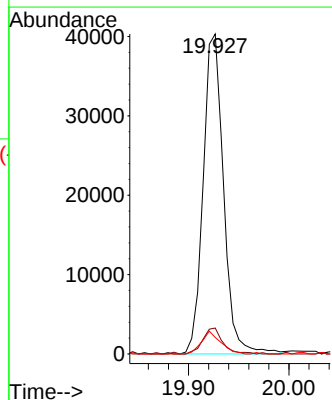
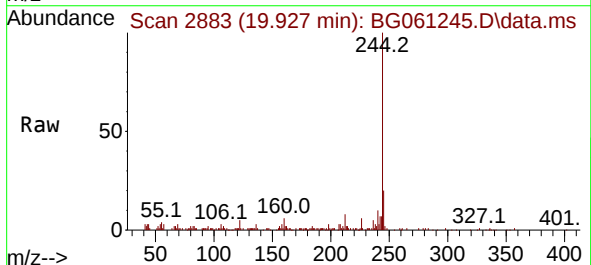
Tgt Ion:244 Resp: 56934

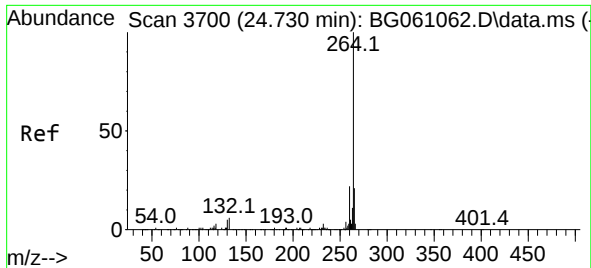
Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

122 5.1 4.2 6.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.697 min Scan# 30
 Delta R.T. -0.032 min
 Lab File: BG061245.D
 Acq: 17 May 2024 19:17

Instrument :
 BNA_G
 ClientSampleId :
 RT3823

Tgt Ion:264 Resp: 207751
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.7 26.5
 265 22.0 16.4 24.6

