

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
 Data File : BG061169.D
 Acq On : 10 May 2024 19:02
 Operator : MA/JU
 Sample : P2437-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 359

Quant Time: May 10 23:01:44 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)

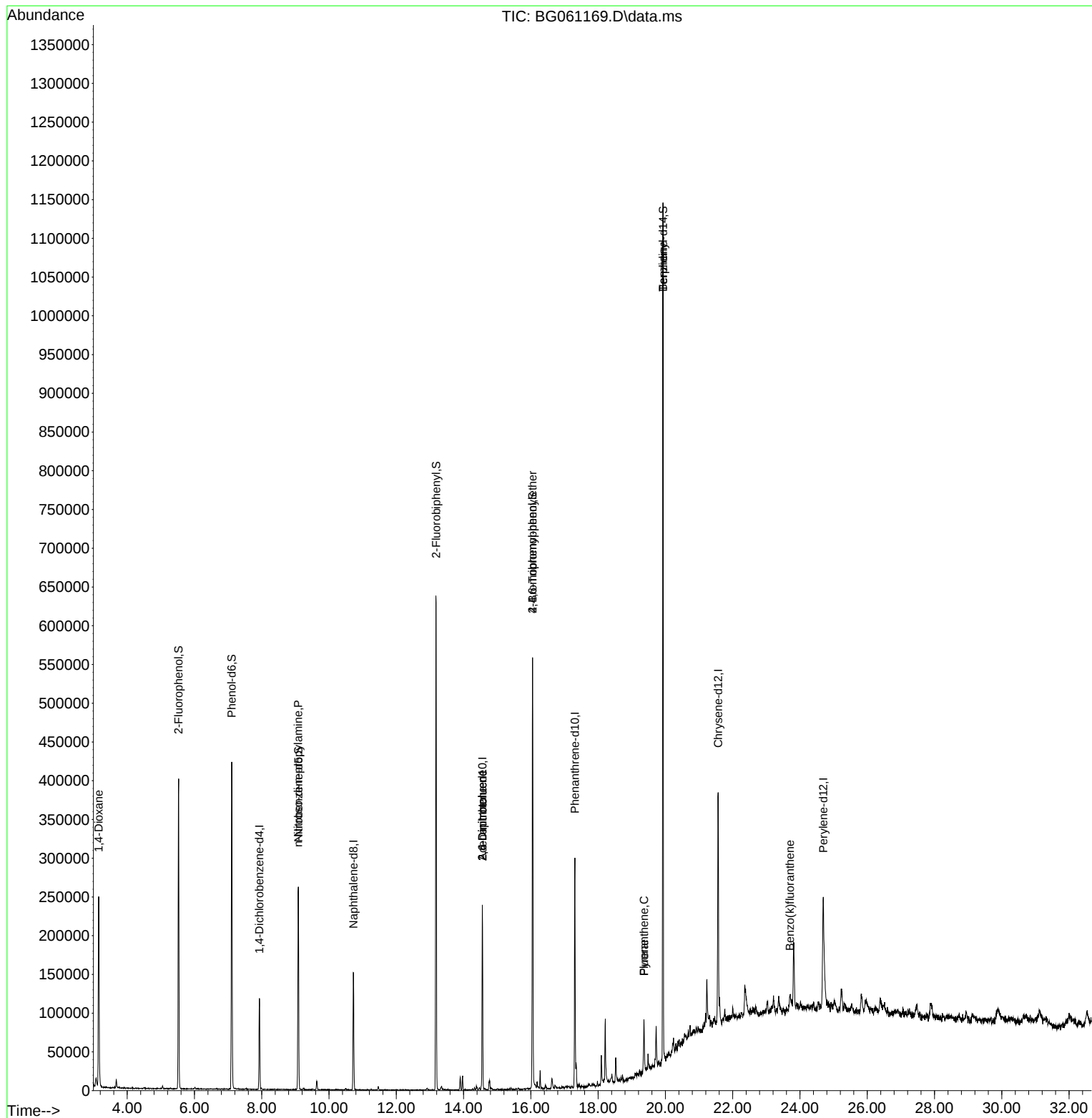
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	30322	20.000	ng	-0.03
21) Naphthalene-d8	10.728	136	120557	20.000	ng	-0.03
39) Acenaphthene-d10	14.559	164	87317	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	191116	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	190514	20.000	ng	-0.02
86) Perylene-d12	24.694	264	206498	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	141839	95.133	ng	-0.02
7) Phenol-d6	7.109	99	188008	85.242	ng	-0.02
23) Nitrobenzene-d5	9.089	82	134774	55.418	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	125724	72.035	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	334561	56.658	ng	-0.02
79) Terphenyl-d14	19.929	244	573557	50.070	ng	-0.02
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.155	88	2137	3.545	ng	# 1
9) Benzaldehyde	7.109	77	473	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.083	70	19725	11.950	ng	# 64
51) 2,6-Dinitrotoluene	14.559	165	12081	8.375	ng	# 15
57) 2,4-Dinitrotoluene	14.559	165	12081	5.660	ng	# 17
67) 4-Bromophenyl-phenylether	16.051	248	8099	3.597	ng	# 1
75) Fluoranthene	19.365	202	39255	3.279	ng	96
77) Benzidine	19.929	184	9698	5.315	ng	# 89
78) Pyrene	19.365	202	39255	3.241	ng	97
89) Benzo(k)fluoranthene	23.701	252	22786	2.053	ng	# 90

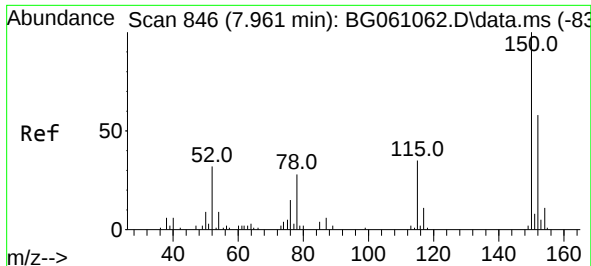
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051024\
Data File : BG061169.D
Acq On : 10 May 2024 19:02
Operator : MA/JU
Sample : P2437-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
359

Quant Time: May 10 23:01:44 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

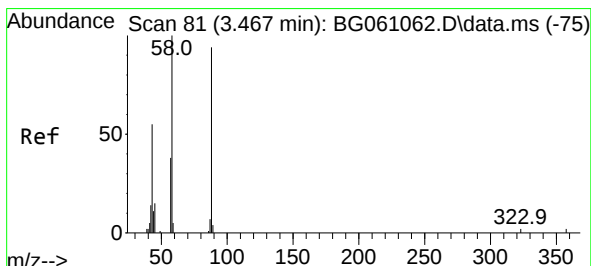
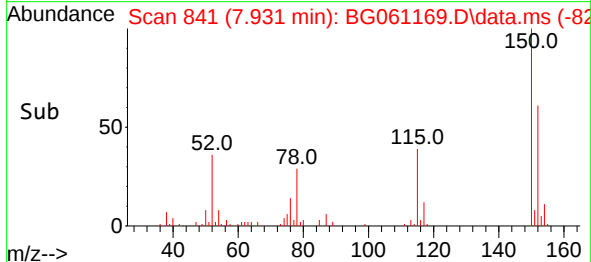
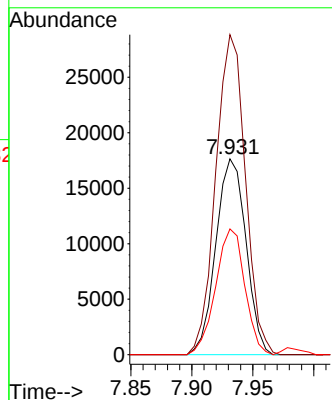
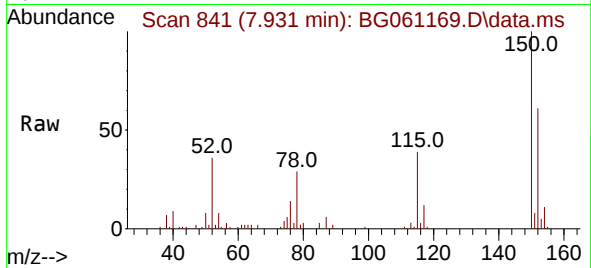




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 84
Delta R.T. -0.030 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

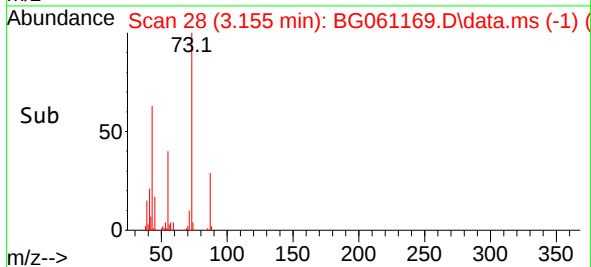
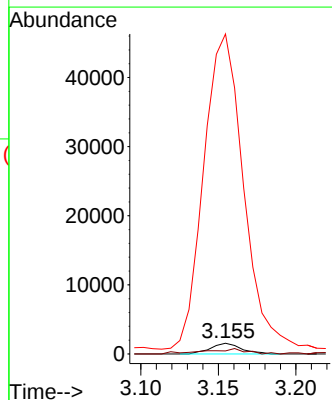
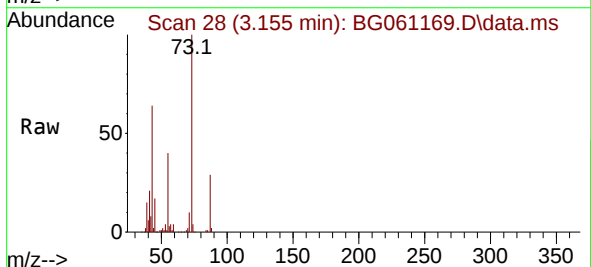
Instrument :
BNA_G
ClientSampleId :
359

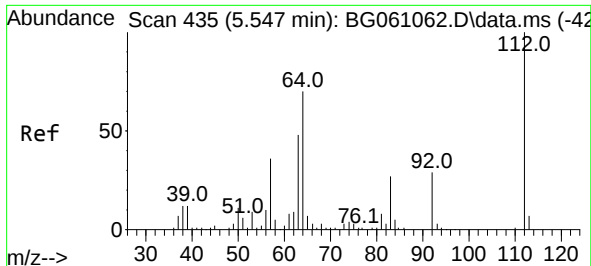
Tgt Ion:152 Resp: 30322
Ion Ratio Lower Upper
152 100
150 163.4 138.3 207.5
115 64.2 48.0 72.0



#2
1,4-Dioxane
Concen: 3.545 ng
RT: 3.155 min Scan# 28
Delta R.T. -0.312 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion: 88 Resp: 2137
Ion Ratio Lower Upper
88 100
58 68.5 81.2 121.8#
43 3928.1 45.0 67.4#

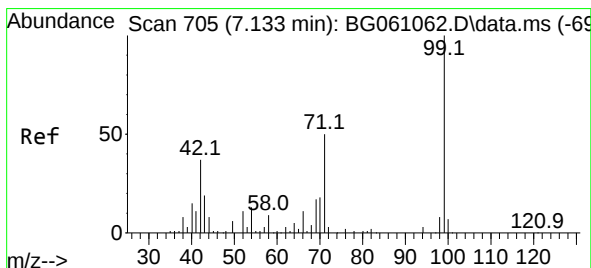
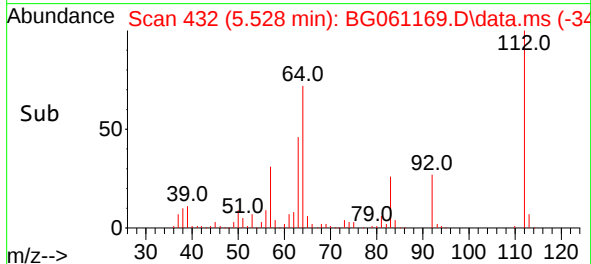
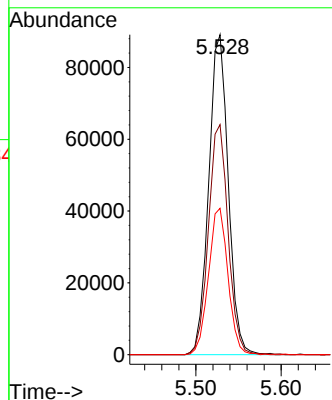
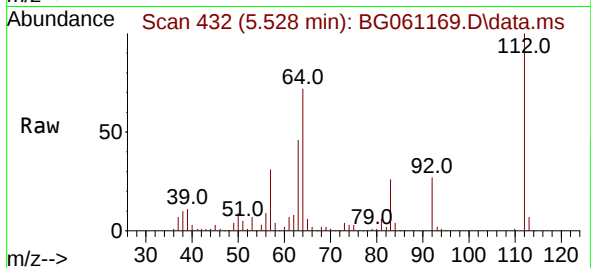




#5
2-Fluorophenol
Concen: 95.133 ng
RT: 5.528 min Scan# 41
Delta R.T. -0.018 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

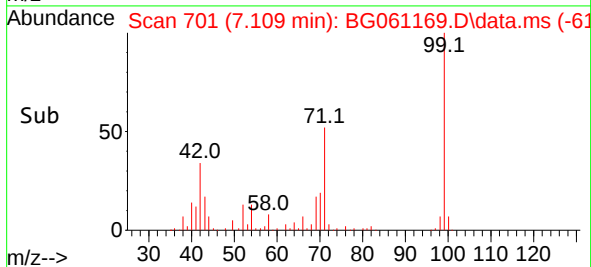
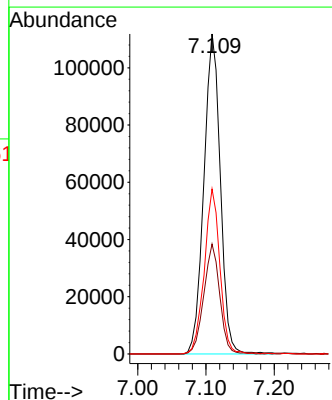
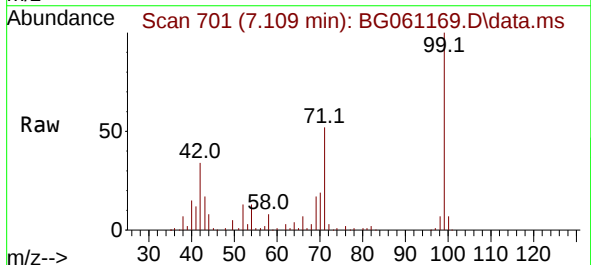
Instrument :
BNA_G
ClientSampleId :
359

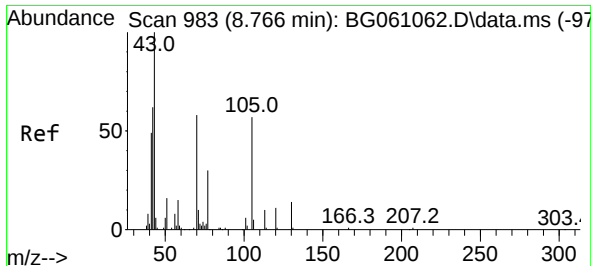
Tgt Ion:112 Resp: 141839
Ion Ratio Lower Upper
112 100
64 71.9 55.7 83.5
63 45.7 38.1 57.1



#7
Phenol-d6
Concen: 85.242 ng
RT: 7.109 min Scan# 701
Delta R.T. -0.024 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion: 99 Resp: 188008
Ion Ratio Lower Upper
99 100
42 34.4 29.2 43.8
71 51.6 39.7 59.5

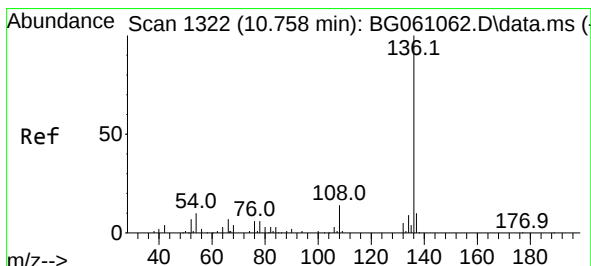
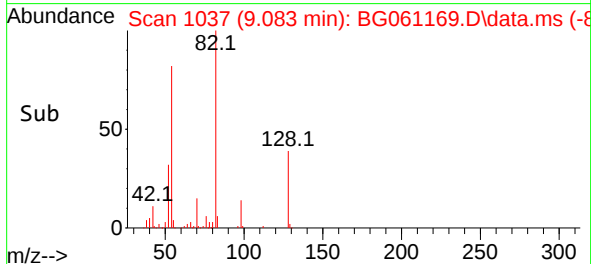
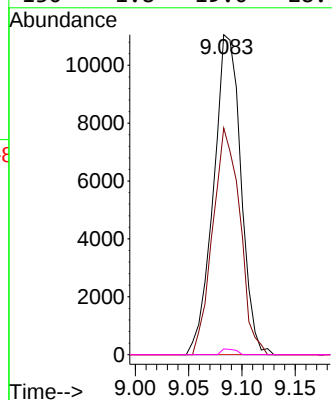
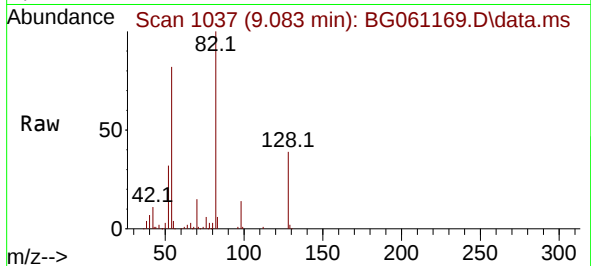




#19
n-Nitroso-di-n-propylamine
Concen: 11.950 ng
RT: 9.083 min Scan# 1037
Delta R.T. 0.317 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

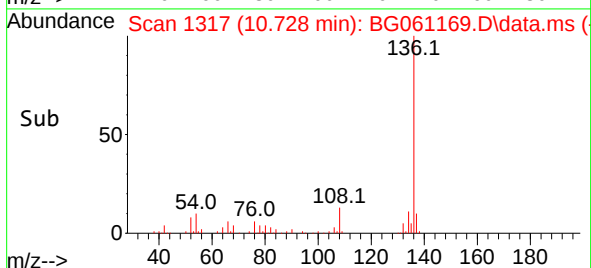
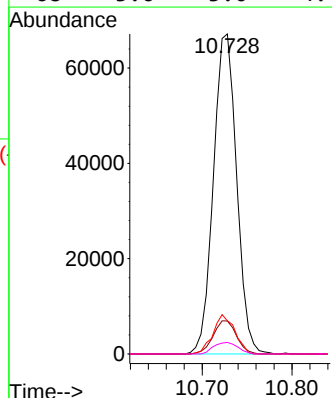
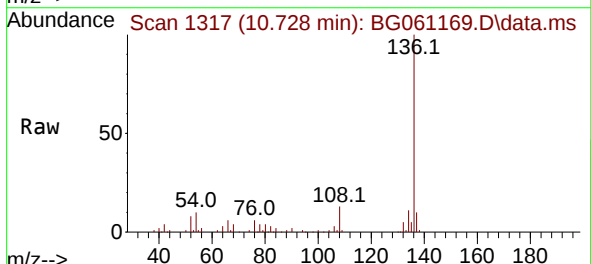
Instrument :
BNA_G
ClientSampleId :
359

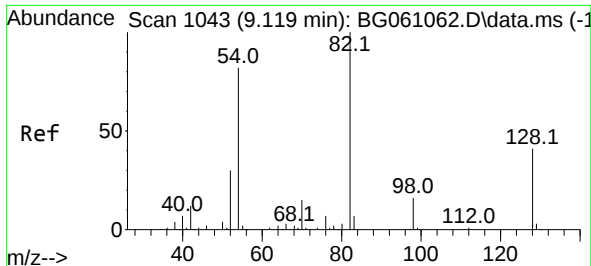
Tgt Ion: 70 Resp: 19725
Ion Ratio Lower Upper
70 100
42 70.8 86.4 129.6#
101 0.0 7.8 11.8#
130 1.8 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion: 136 Resp: 120557
Ion Ratio Lower Upper
136 100
137 10.3 7.8 11.6
54 10.4 8.1 12.1
68 3.6 3.0 4.4

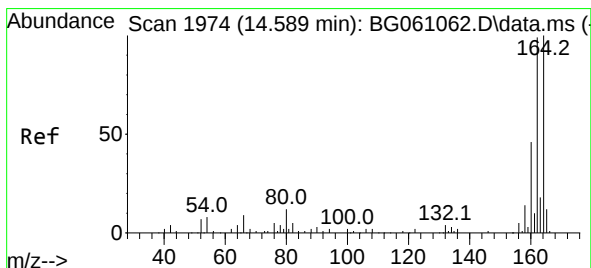
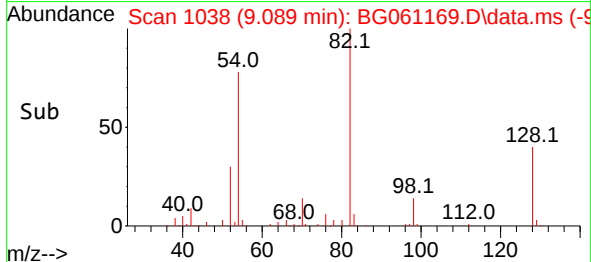
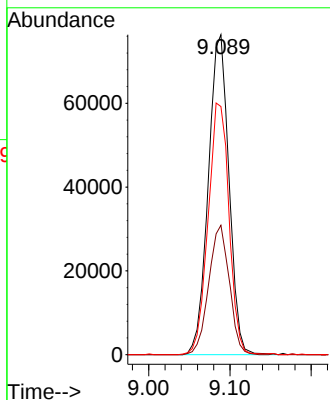
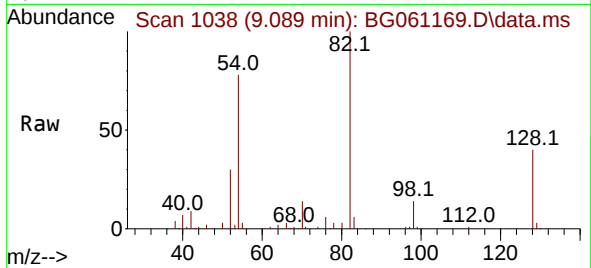




#23
Nitrobenzene-d5
Concen: 55.418 ng
RT: 9.089 min Scan# 1038
Delta R.T. -0.030 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

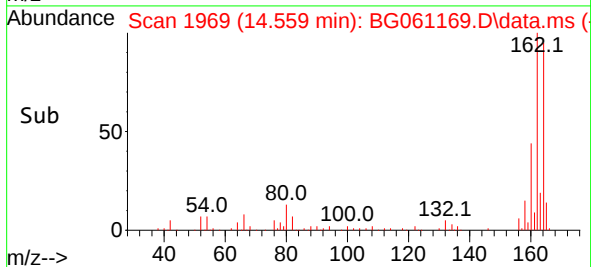
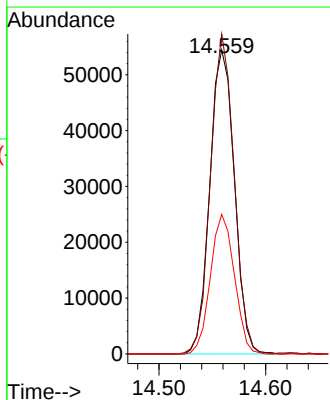
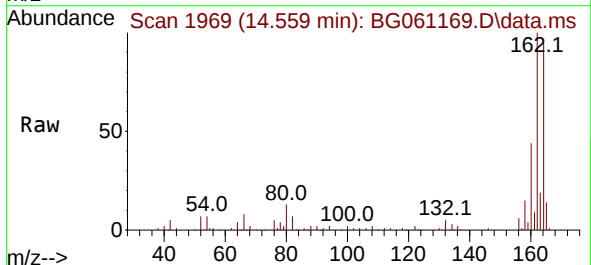
Instrument :
BNA_G
ClientSampleId :
359

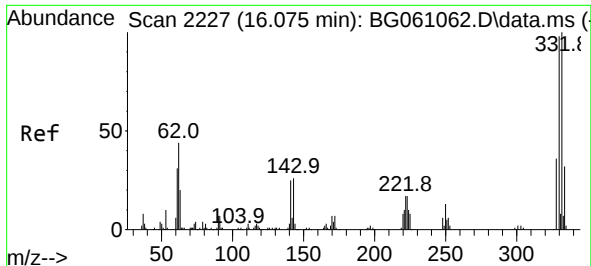
Tgt Ion: 82 Resp: 134774
Ion Ratio Lower Upper
82 100
128 40.4 32.7 49.1
54 77.5 65.6 98.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.559 min Scan# 1969
Delta R.T. -0.030 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion:164 Resp: 87317
Ion Ratio Lower Upper
164 100
162 105.2 79.4 119.2
160 45.8 37.0 55.6

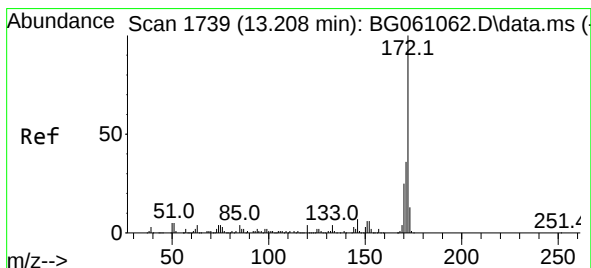
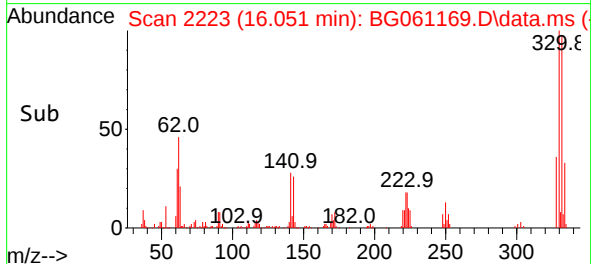
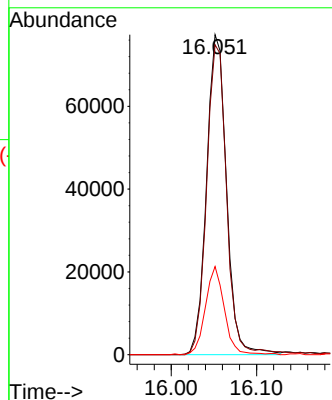
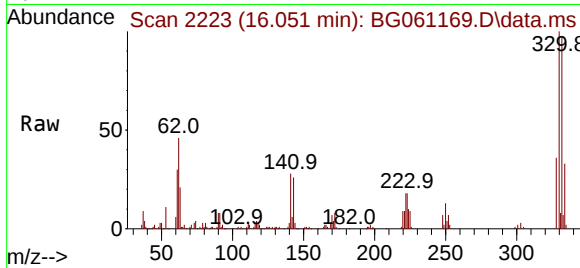




#42
2,4,6-Tribromophenol
Concen: 72.035 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

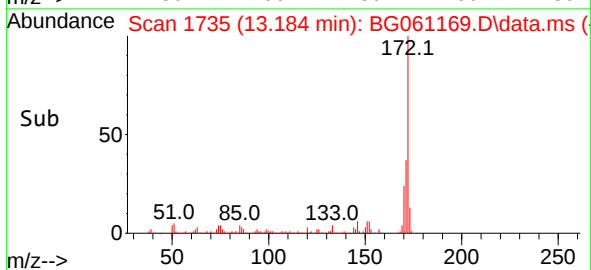
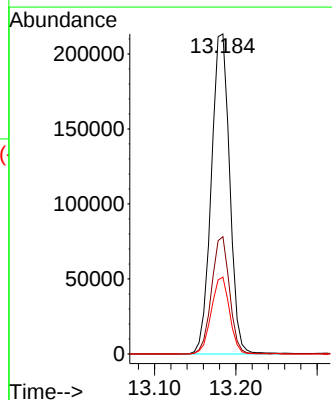
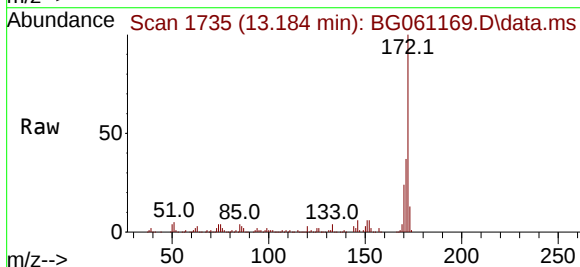
Instrument :
BNA_G
ClientSampleId :
359

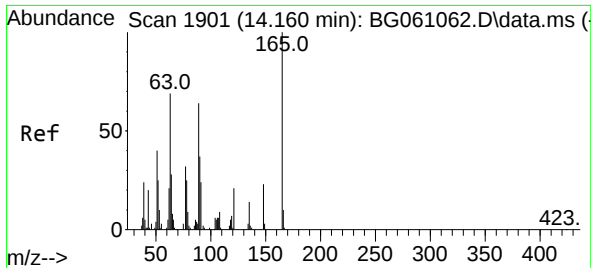
Tgt Ion:330 Resp: 125724
Ion Ratio Lower Upper
330 100
332 97.3 78.6 117.8
141 26.2 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 56.658 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion:172 Resp: 334561
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.0 20.2 30.4

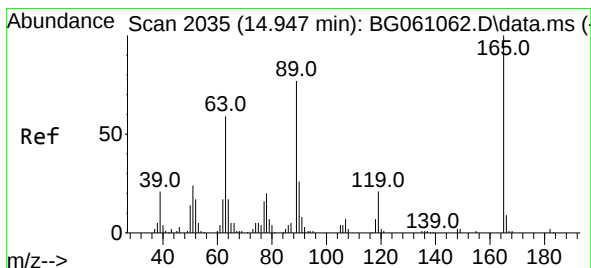
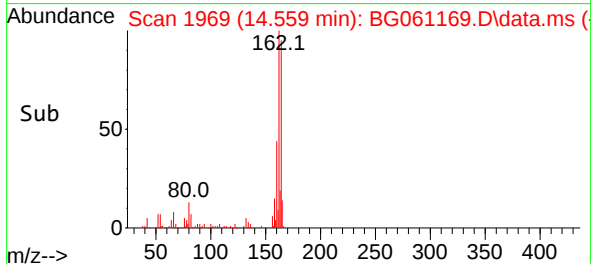
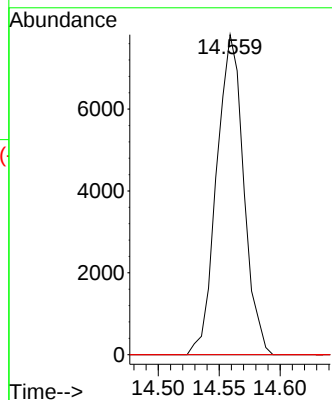
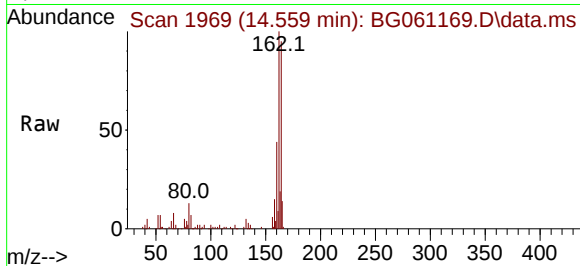




#51
2,6-Dinitrotoluene
Concen: 8.375 ng
RT: 14.559 min Scan# 1969
Delta R.T. 0.399 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

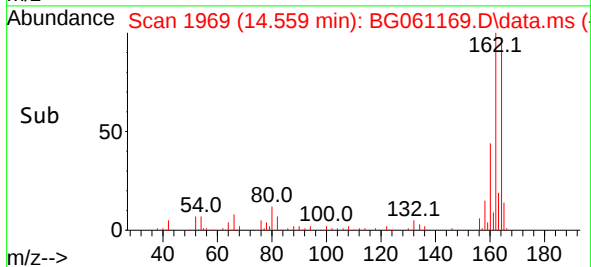
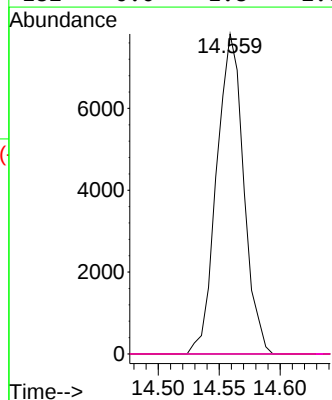
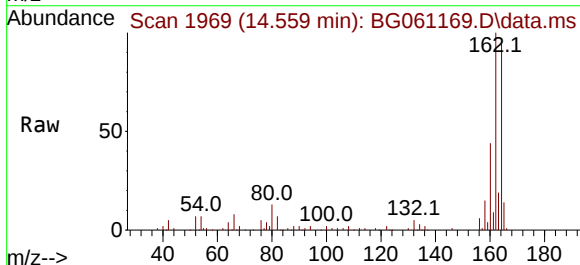
Instrument :
BNA_G
ClientSampleId :
359

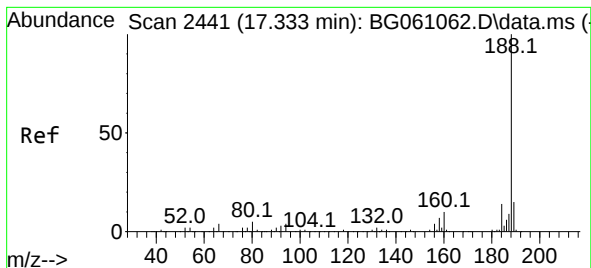
Tgt Ion:	165	Resp:	12081
Ion Ratio	Lower	Upper	
165	100		
63	0.0	60.0	90.0#
89	0.0	50.9	76.3#



#57
2,4-Dinitrotoluene
Concen: 5.660 ng
RT: 14.559 min Scan# 1969
Delta R.T. -0.388 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion:	165	Resp:	12081
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: 17.309 min Scan# 2441

Delta R.T. -0.024 min

Lab File: BG061169.D

Acq: 10 May 2024 19:02

Instrument :

BNA_G

ClientSampleId :

359

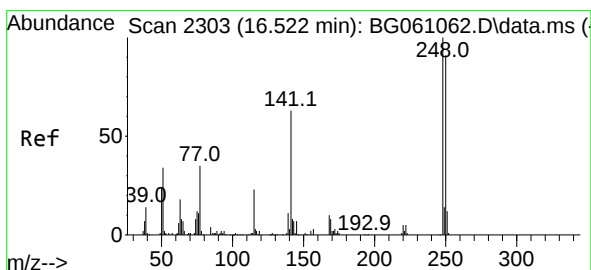
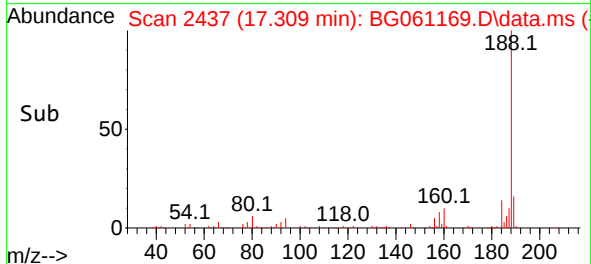
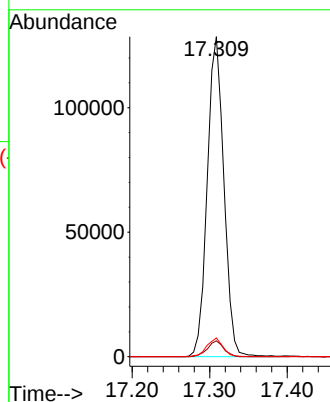
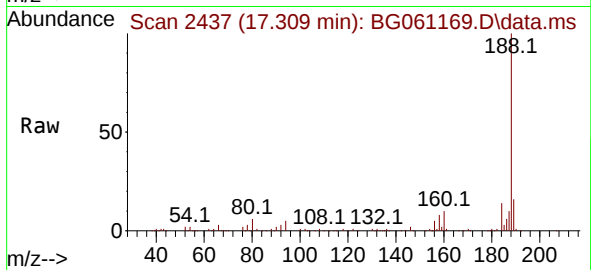
Tgt Ion:188 Resp: 191116

Ion Ratio Lower Upper

188 100

94 5.0 3.6 5.4

80 5.9 4.2 6.2



#67

4-Bromophenyl-phenylether

Concen: 3.597 ng

RT: 16.051 min Scan# 2223

Delta R.T. -0.471 min

Lab File: BG061169.D

Acq: 10 May 2024 19:02

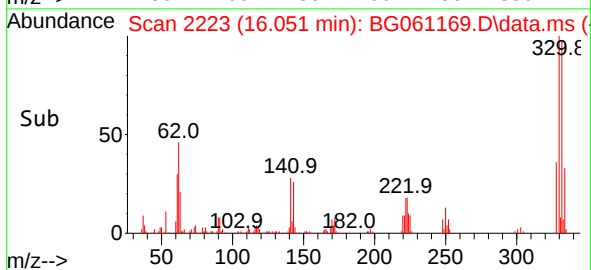
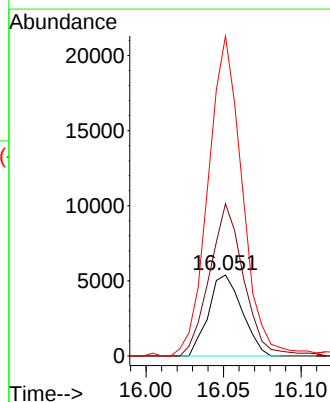
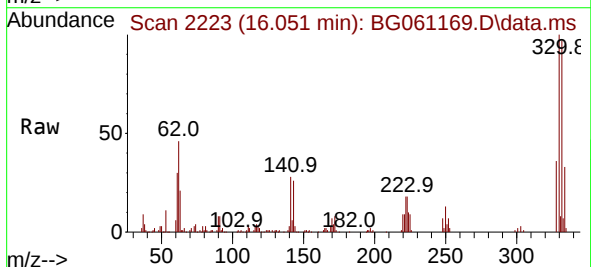
Tgt Ion:248 Resp: 8099

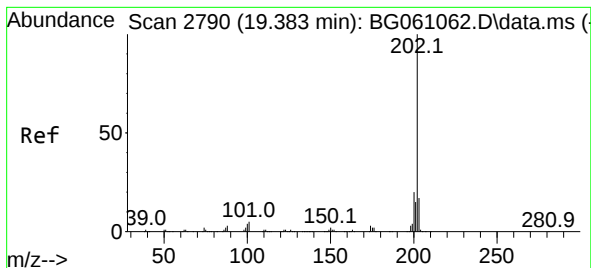
Ion Ratio Lower Upper

248 100

250 187.9 73.0 109.4#

141 395.3 50.8 76.2#





#75

Fluoranthene

Concen: 3.279 ng

RT: 19.365 min Scan# 21

Delta R.T. -0.018 min

Lab File: BG061169.D

Acq: 10 May 2024 19:02

Instrument :

BNA_G

ClientSampleId :

359

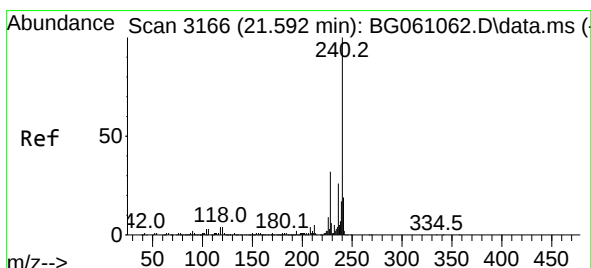
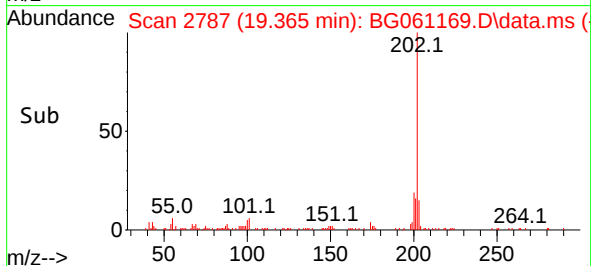
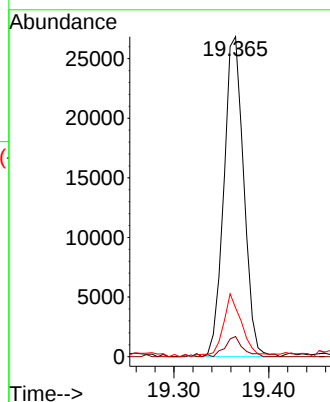
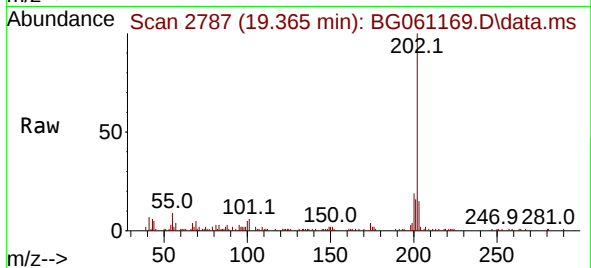
Tgt Ion:202 Resp: 39255

Ion Ratio Lower Upper

202 100

101 6.3 0.0 24.7

203 15.3 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.568 min Scan# 3162

Delta R.T. -0.024 min

Lab File: BG061169.D

Acq: 10 May 2024 19:02

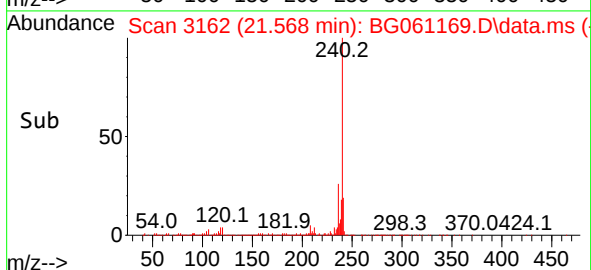
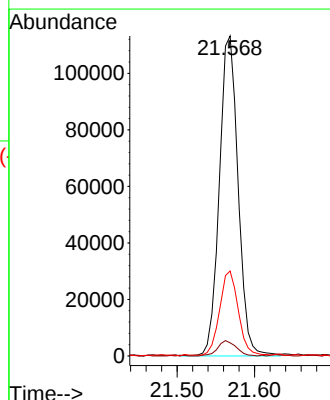
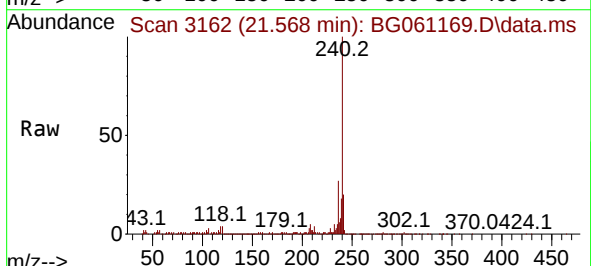
Tgt Ion:240 Resp: 190514

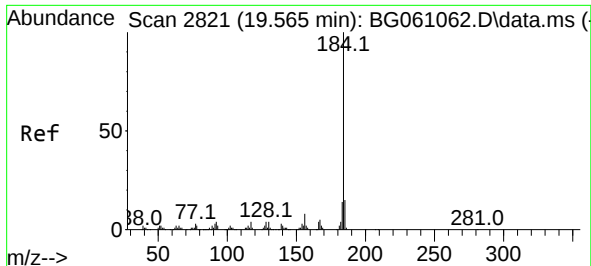
Ion Ratio Lower Upper

240 100

120 4.1 3.2 4.8

236 26.5 21.0 31.6

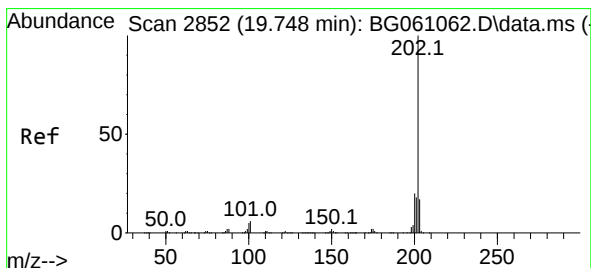
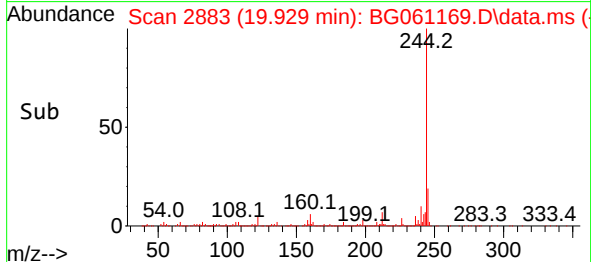
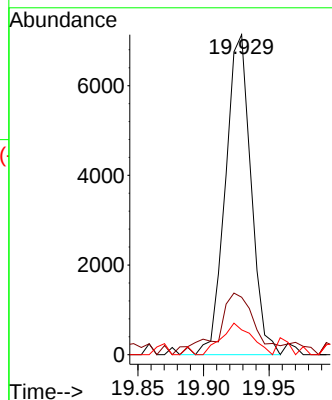
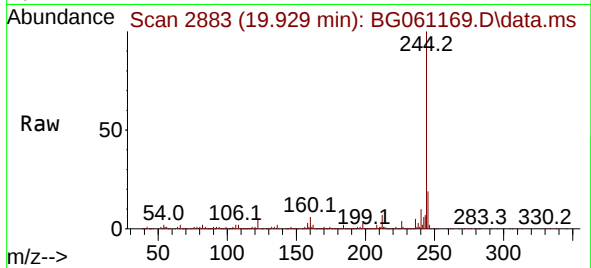




#77
Benzidine
Concen: 5.315 ng
RT: 19.929 min Scan# 21
Delta R.T. 0.364 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

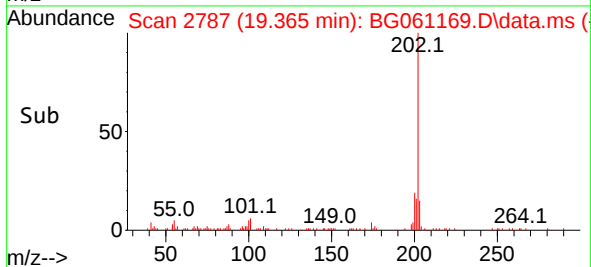
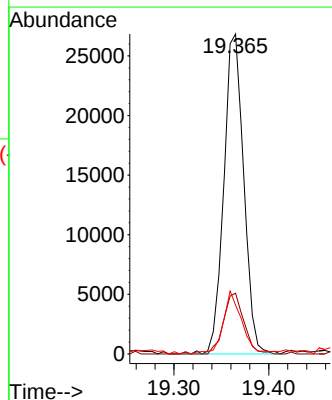
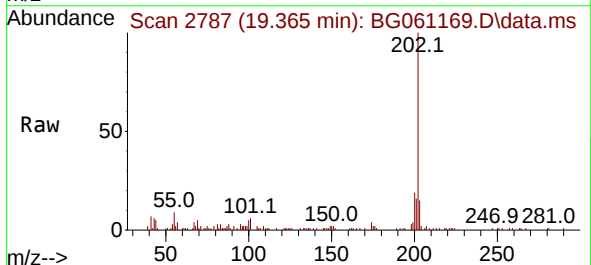
Instrument :
BNA_G
ClientSampleId :
359

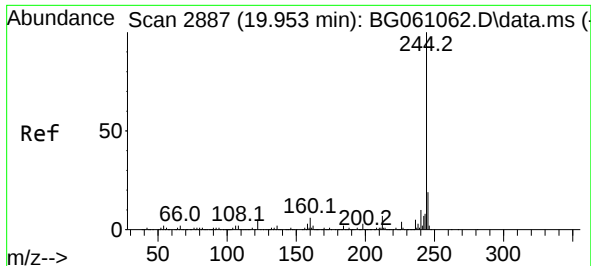
Tgt Ion:184 Resp: 9698
Ion Ratio Lower Upper
184 100
185 18.0 12.0 18.0
183 7.7 10.9 16.3#



#78
Pyrene
Concen: 3.241 ng
RT: 19.365 min Scan# 2787
Delta R.T. -0.383 min
Lab File: BG061169.D
Acq: 10 May 2024 19:02

Tgt Ion:202 Resp: 39255
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.4
203 15.3 13.3 19.9

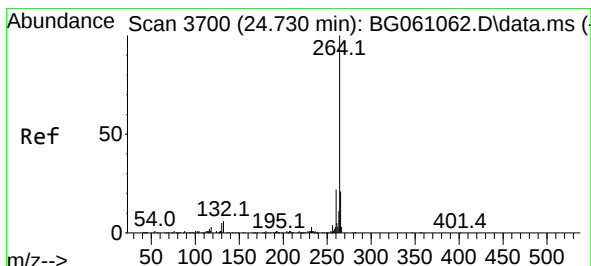
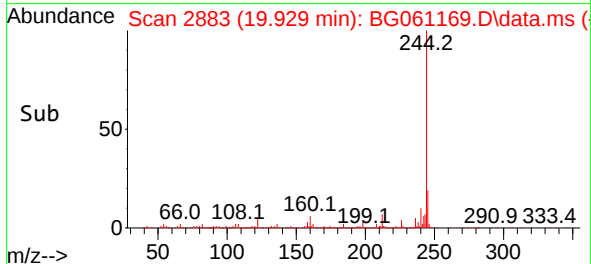
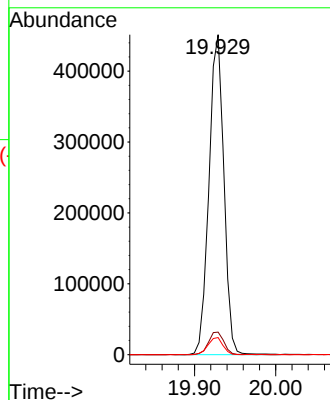
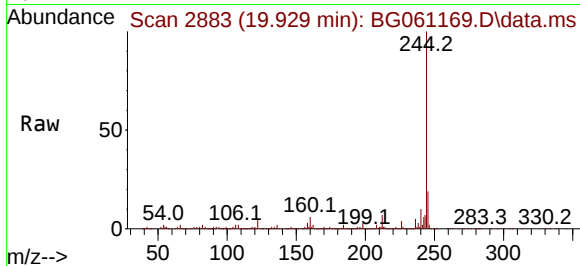




#79
 Terphenyl-d14
 Concen: 50.070 ng
 RT: 19.929 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BG061169.D
 Acq: 10 May 2024 19:02

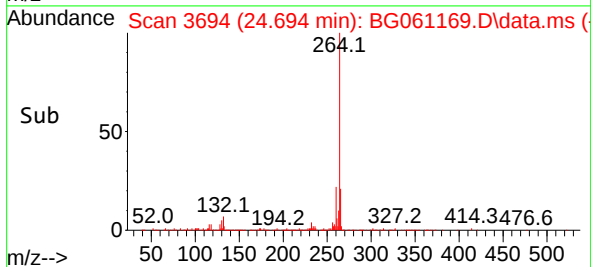
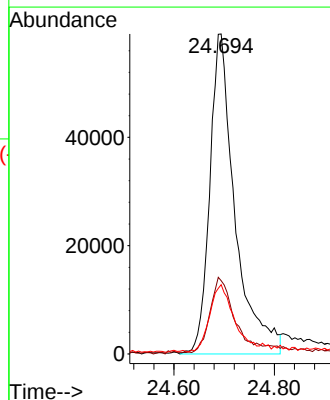
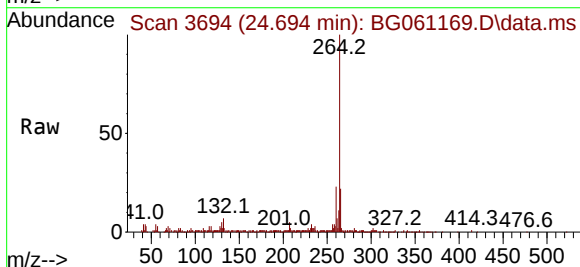
Instrument :
 BNA_G
 ClientSampleId :
 359

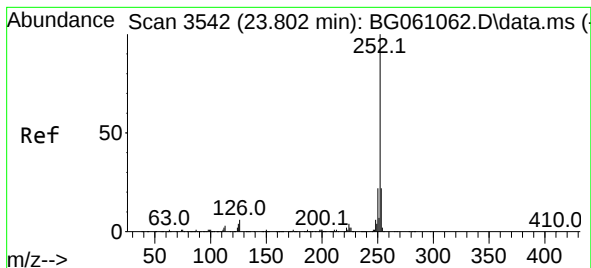
Tgt Ion:244 Resp: 573557
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 5.4 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.694 min Scan# 3694
 Delta R.T. -0.036 min
 Lab File: BG061169.D
 Acq: 10 May 2024 19:02

Tgt Ion:264 Resp: 206498
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.7 26.5
 265 21.6 16.4 24.6





#89

Benzo(k)fluoranthene

Concen: 2.053 ng

RT: 23.701 min Scan# 3

Delta R.T. -0.101 min

Lab File: BG061169.D

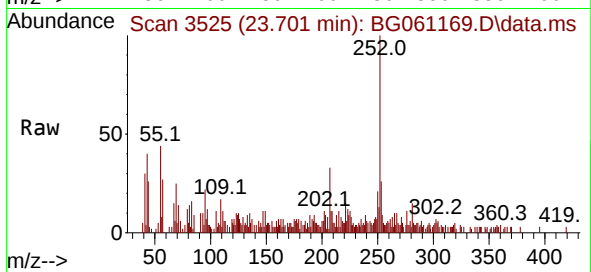
Acq: 10 May 2024 19:02

Instrument :

BNA_G

ClientSampleId :

359



Tgt Ion:252 Resp: 22786

Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 9.9 3.2 4.8#

