

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061089.D
 Acq On : 2 May 2024 11:58
 Operator : MA/JU
 Sample : P2330-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 13:04:15 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)

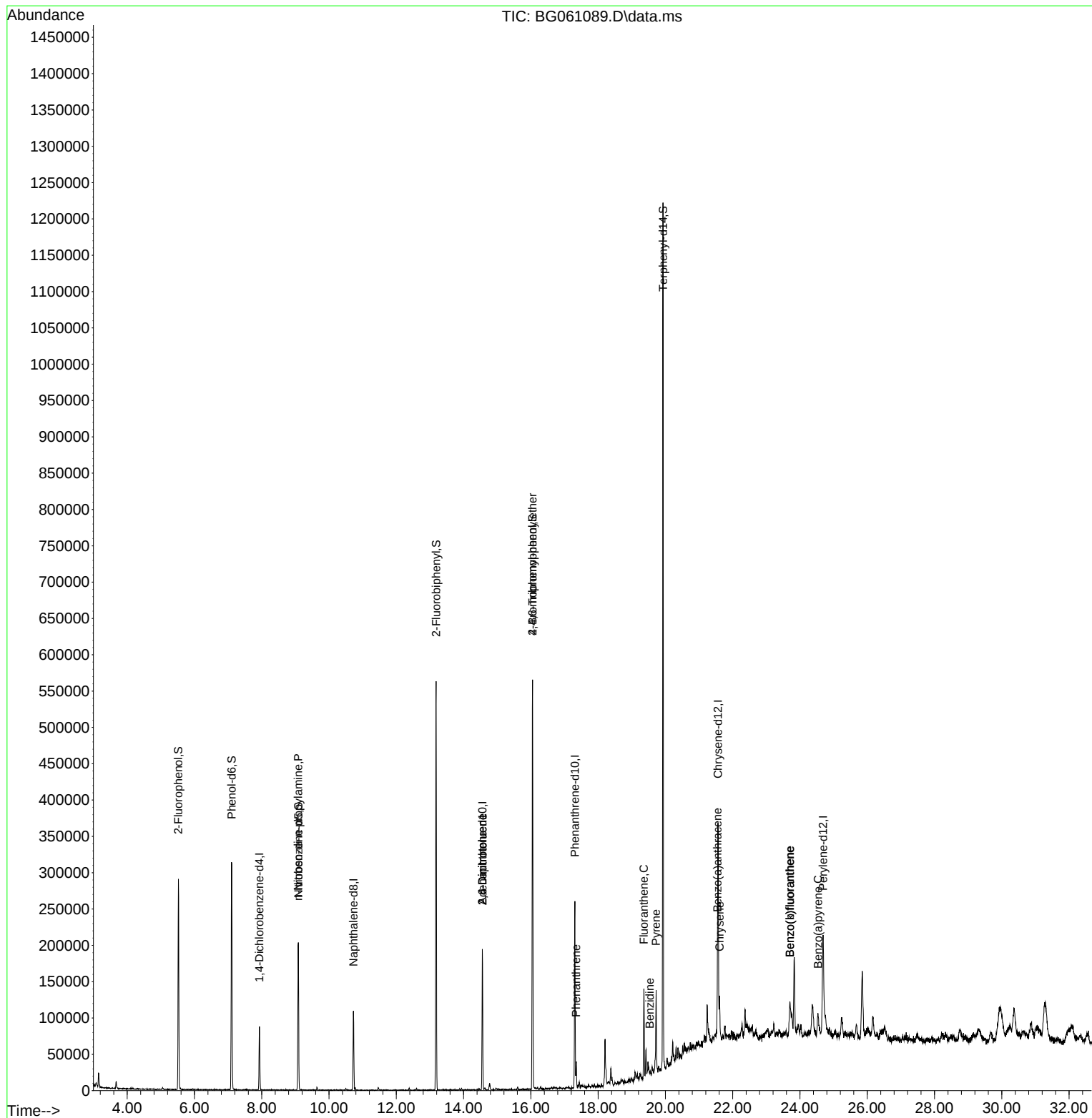
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.931	152	21984	20.000	ng	-0.03
21) Naphthalene-d8	10.728	136	88400	20.000	ng	-0.03
39) Acenaphthene-d10	14.559	164	68037	20.000	ng	-0.03
64) Phenanthrene-d10	17.308	188	163525	20.000	ng	-0.02
76) Chrysene-d12	21.562	240	167560	20.000	ng	-0.03
86) Perylene-d12	24.688	264	190321	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	101569	93.961	ng	-0.02
7) Phenol-d6	7.109	99	142003	88.802	ng	-0.02
23) Nitrobenzene-d5	9.089	82	104663	58.692	ng	-0.03
42) 2,4,6-Tribromophenol	16.051	330	125236	92.089	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	295894	64.310	ng	-0.02
79) Terphenyl-d14	19.929	244	585612	58.126	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.103	77	239	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.083	70	15012	12.544	ng	# 64
51) 2,6-Dinitrotoluene	14.559	165	8785	7.815	ng	# 15
57) 2,4-Dinitrotoluene	14.559	165	8785	5.283	ng	# 17
67) 4-Bromophenyl-phenylether	16.051	248	8010	4.158	ng	# 1
71) Phenanthrene	17.349	178	23130	3.093	ng	100
75) Fluoranthene	19.359	202	77113	7.528	ng	99
77) Benzidine	19.535	184	305	2.885	ng	# 65
78) Pyrene	19.723	202	73170	6.869	ng	99
81) Benzo(a)anthracene	21.545	228	42222	3.851	ng	# 93
83) Chrysene	21.609	228	41638	4.053	ng	92
88) Benzo(b)fluoranthene	23.701	252	50693	4.767	ng	# 97
89) Benzo(k)fluoranthene	23.701	252	50693	4.955	ng	# 99
90) Benzo(a)pyrene	24.535	252	38945	4.203	ng	# 98

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

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Instrument :
BNA_G
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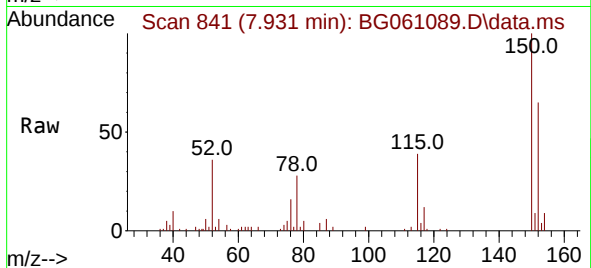
Quant Time: May 02 13:04:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
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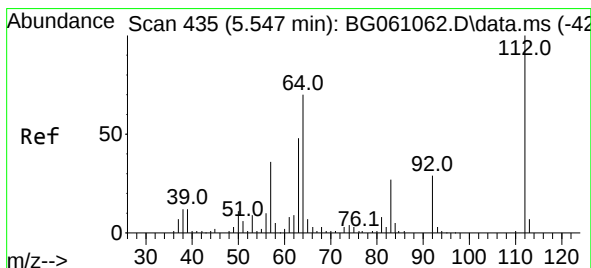
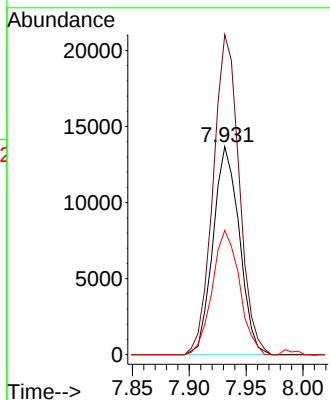
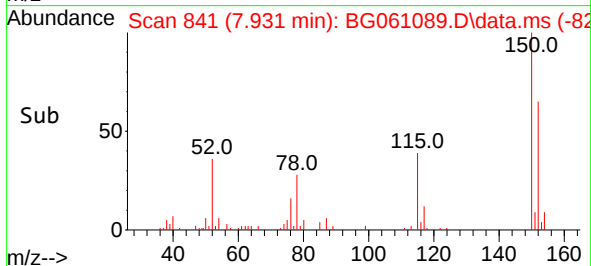


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.931 min Scan# 846
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

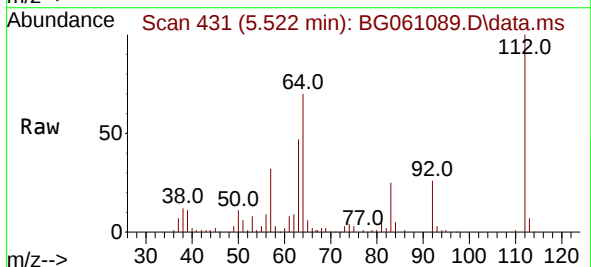
Instrument :
BNA_G
ClientSampleId :



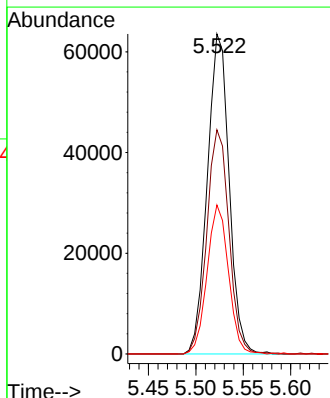
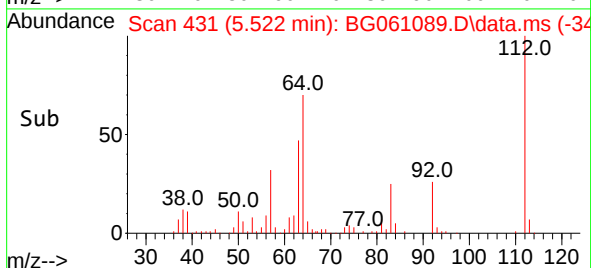
Tgt Ion:152 Resp: 21984
Ion Ratio Lower Upper
152 100
150 153.9 138.3 207.5
115 59.8 48.0 72.0



#5
2-Fluorophenol
Concen: 93.961 ng
RT: 5.522 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58



Tgt Ion:112 Resp: 101569
Ion Ratio Lower Upper
112 100
64 70.0 55.7 83.5
63 46.6 38.1 57.1

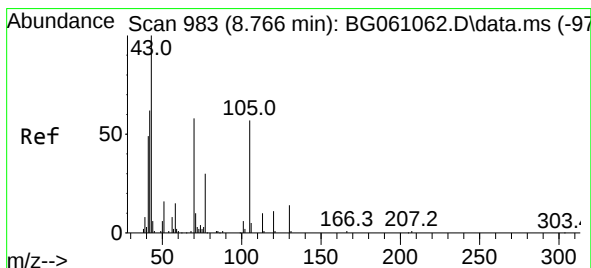
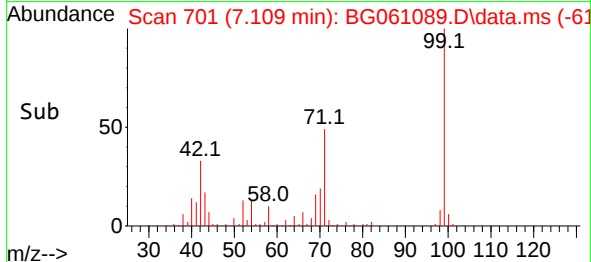
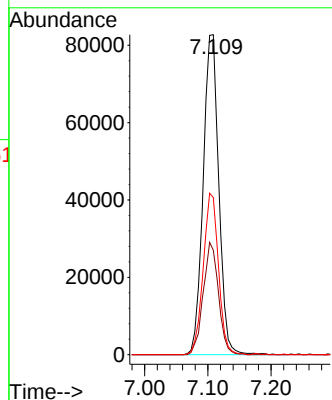
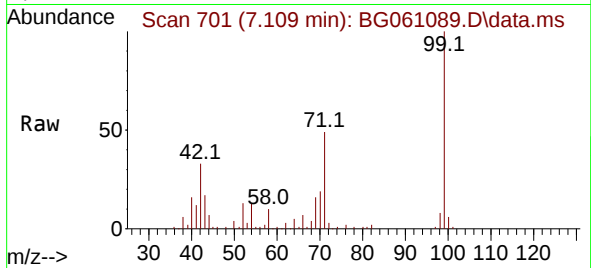




#7
Phenol-d6
Concen: 88.802 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

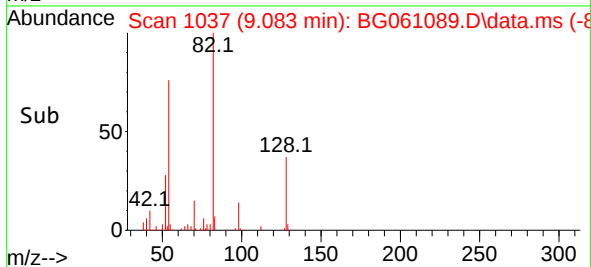
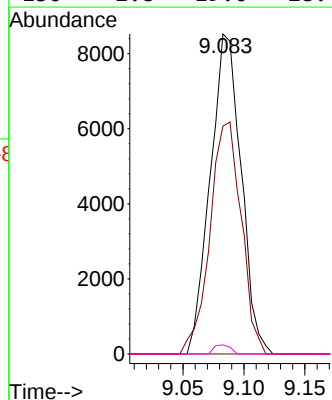
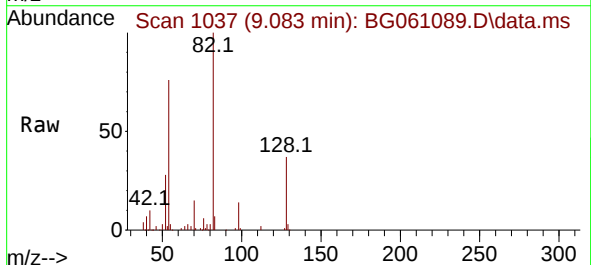
Instrument :
BNA_G
ClientSampleId :

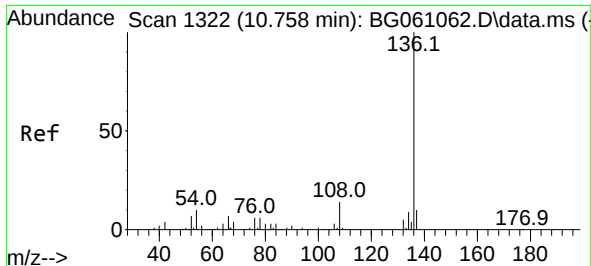
Tgt Ion: 99 Resp: 142003
Ion Ratio Lower Upper
99 100
42 32.7 29.2 43.8
71 49.1 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.544 ng
RT: 9.083 min Scan# 1037
Delta R.T. 0.316 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Tgt Ion: 70 Resp: 15012
Ion Ratio Lower Upper
70 100
42 71.2 86.4 129.6#
101 0.0 7.8 11.8#
130 2.8 19.0 28.4#

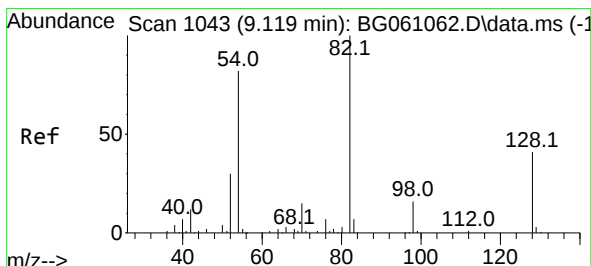
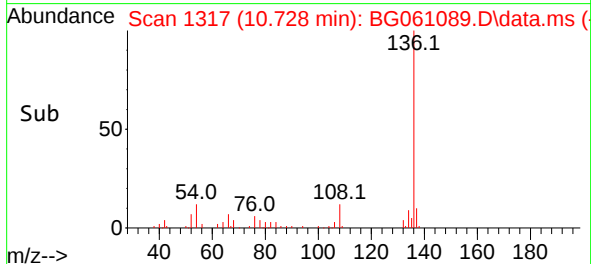
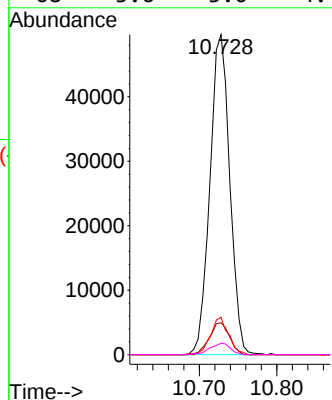
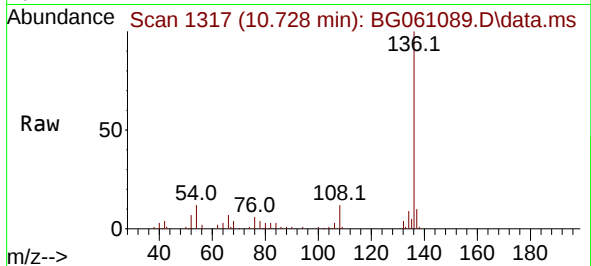




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 11
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

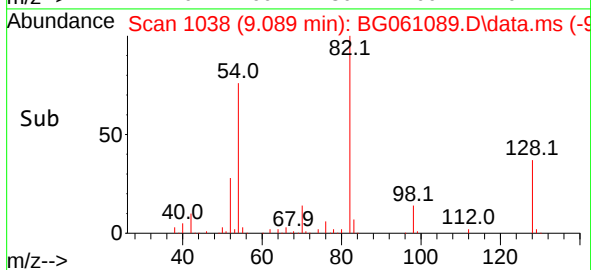
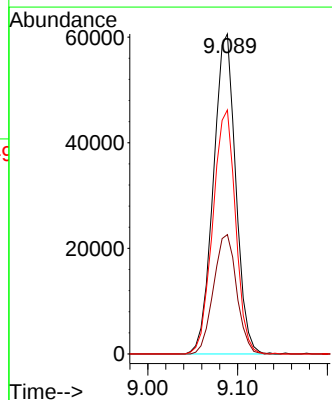
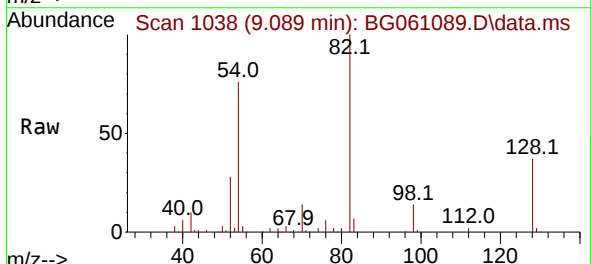
Instrument :
BNA_G
ClientSampleId :

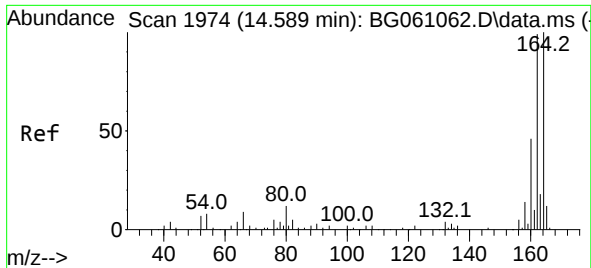
Tgt Ion:	136	Resp:	88400
Ion	Ratio	Lower	Upper
136	100		
137	10.0	7.8	11.6
54	11.7	8.1	12.1
68	3.6	3.0	4.4



#23
Nitrobenzene-d5
Concen: 58.692 ng
RT: 9.089 min Scan# 1038
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

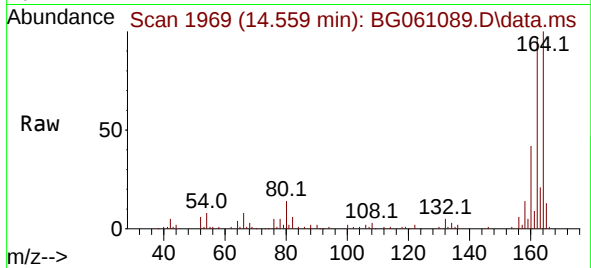
Tgt Ion:	82	Resp:	104663
Ion	Ratio	Lower	Upper
82	100		
128	37.3	32.7	49.1
54	76.3	65.6	98.4



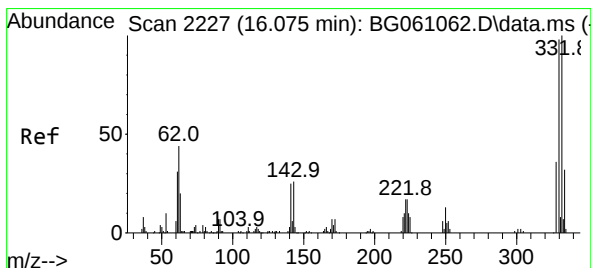
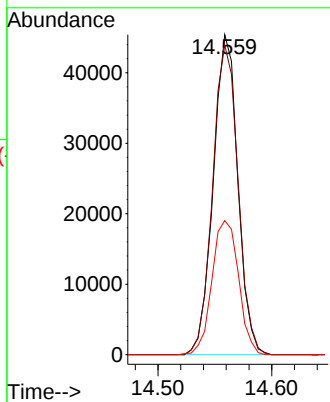
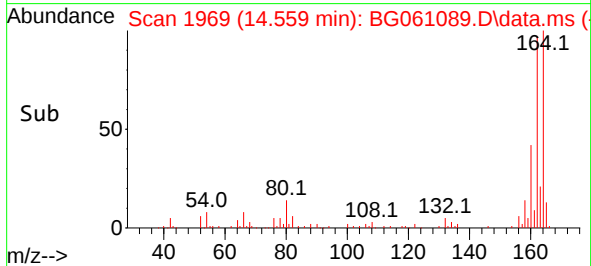


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.559 min Scan# 1969
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Instrument :
BNA_G
ClientSampleId :

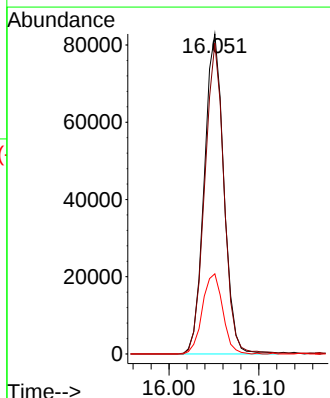
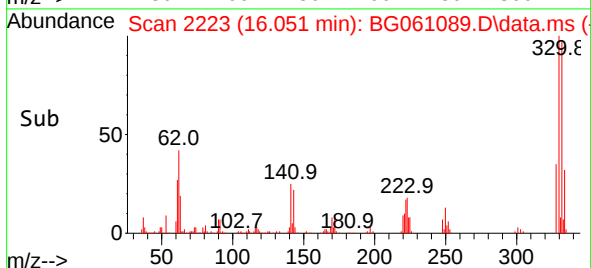
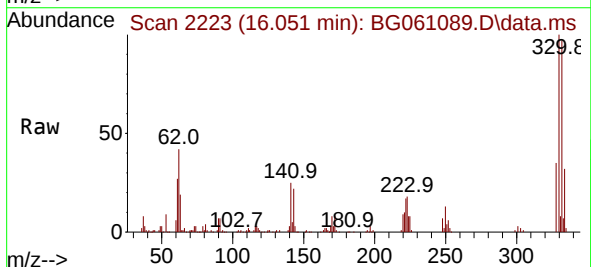


Tgt Ion:164 Resp: 68037
Ion Ratio Lower Upper
164 100
162 96.7 79.4 119.2
160 41.9 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 92.089 ng
RT: 16.051 min Scan# 2223
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

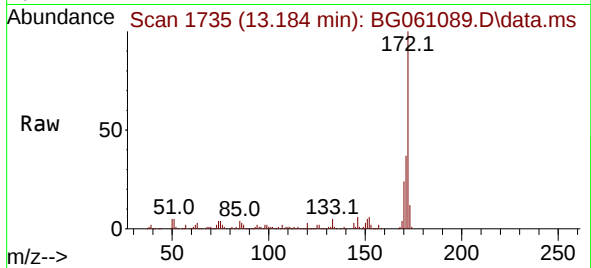
Tgt Ion:330 Resp: 125236
Ion Ratio Lower Upper
330 100
332 95.8 78.6 117.8
141 26.0 20.5 30.7



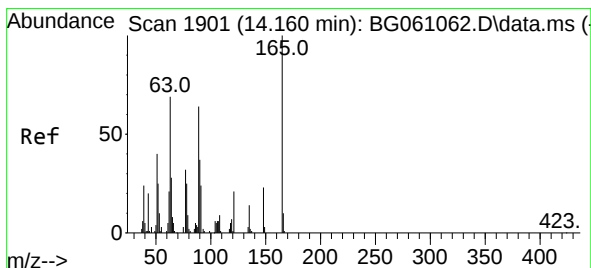
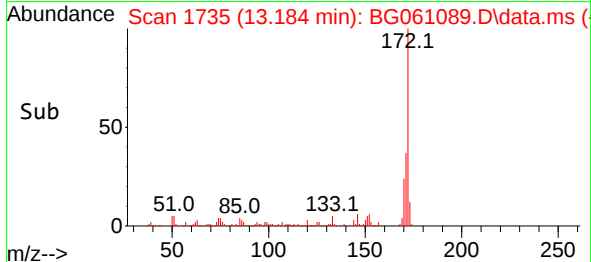
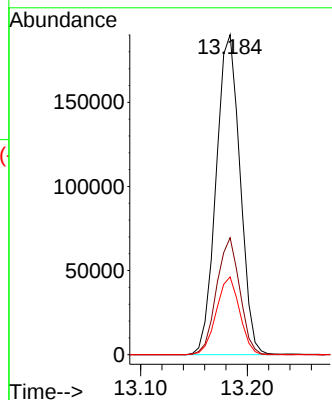


#45
2-Fluorobiphenyl
Concen: 64.310 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Instrument :
BNA_G
ClientSampleId :

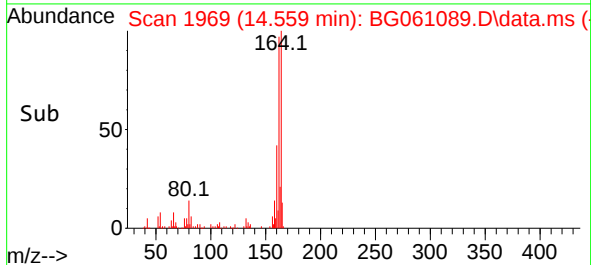
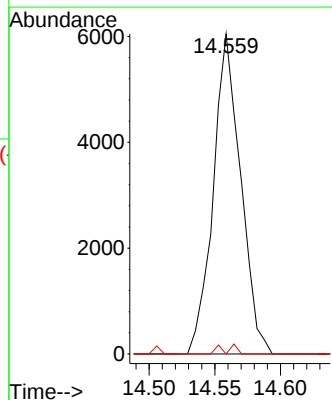
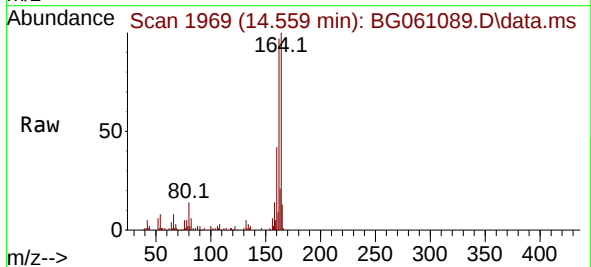


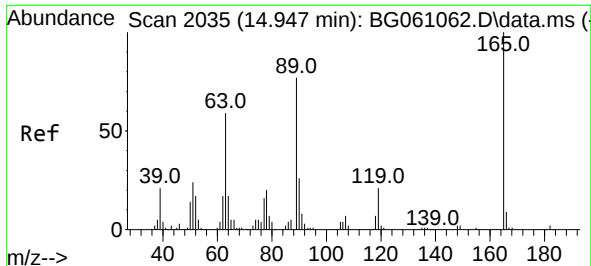
Tgt Ion:172 Resp: 295894
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 24.3 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.815 ng
RT: 14.559 min Scan# 1969
Delta R.T. 0.399 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Tgt Ion:165 Resp: 8785
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: 5.283 ng

RT: 14.559 min Scan# 1969

Delta R.T. -0.389 min

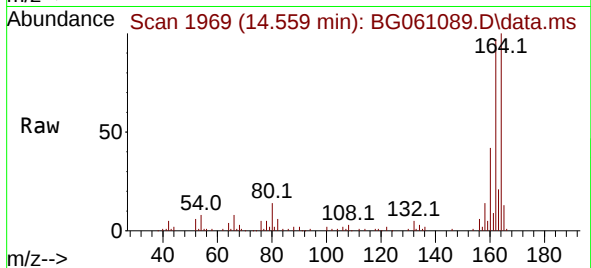
Lab File: BG061089.D

Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:165 Resp: 8785

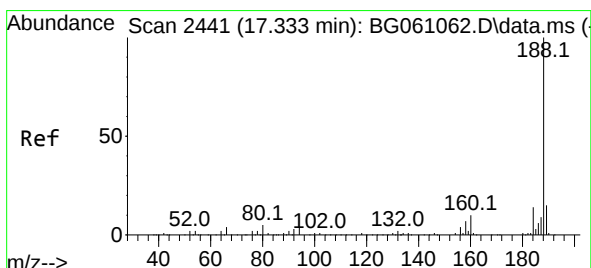
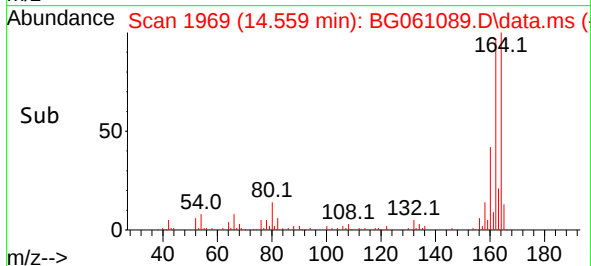
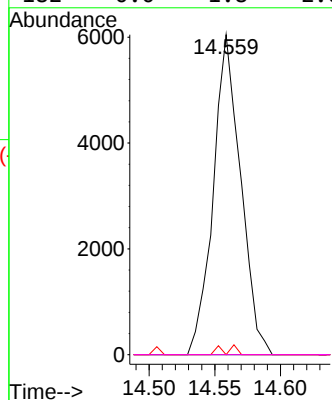
Ion Ratio Lower Upper

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: 17.308 min Scan# 2437

Delta R.T. -0.024 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

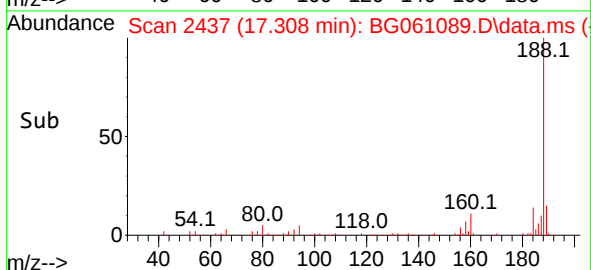
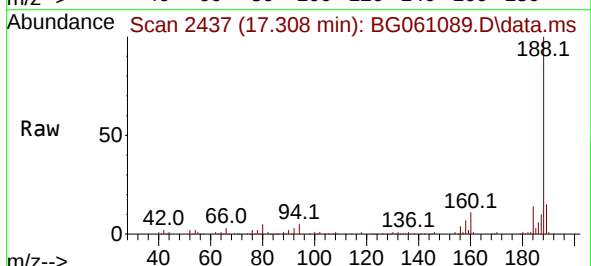
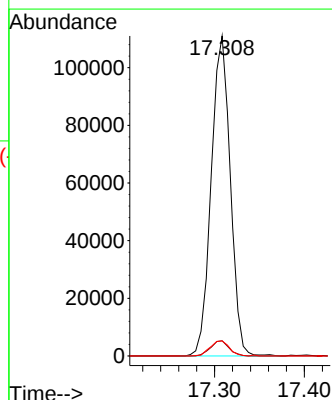
Tgt Ion:188 Resp: 163525

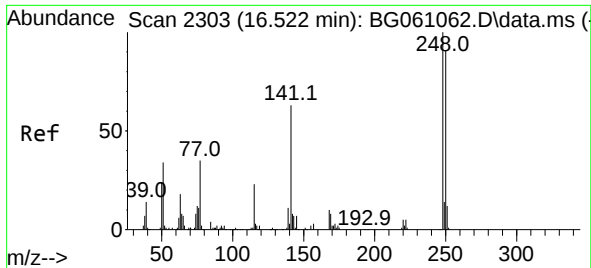
Ion Ratio Lower Upper

188 100

94 4.7 3.6 5.4

80 4.7 4.2 6.2

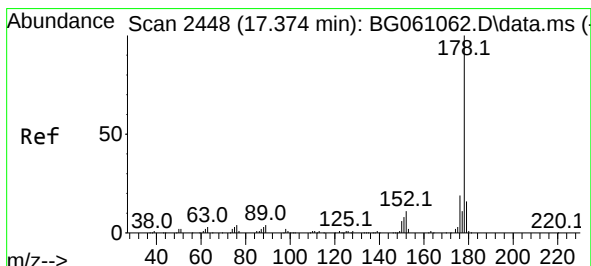
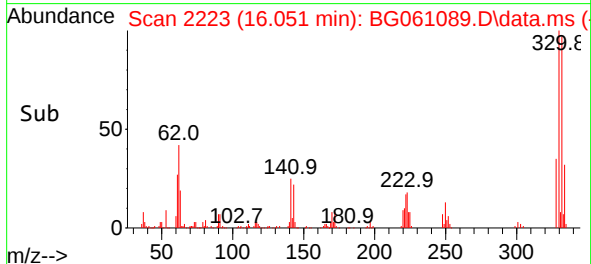
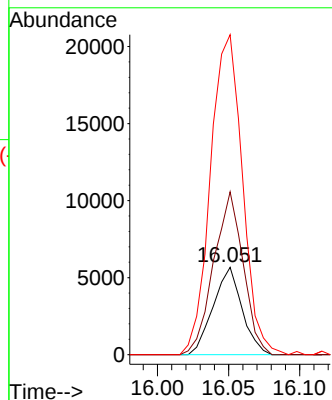
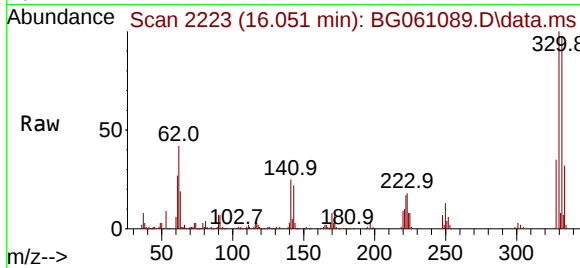




#67
4-Bromophenyl-phenylether
Concen: 4.158 ng
RT: 16.051 min Scan# 211
Delta R.T. -0.471 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

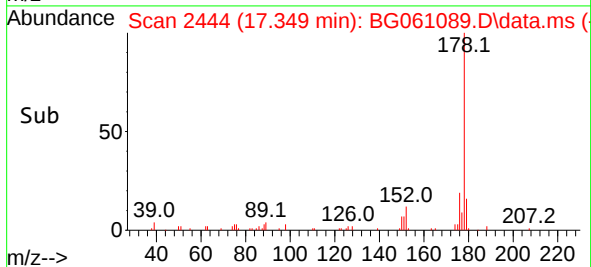
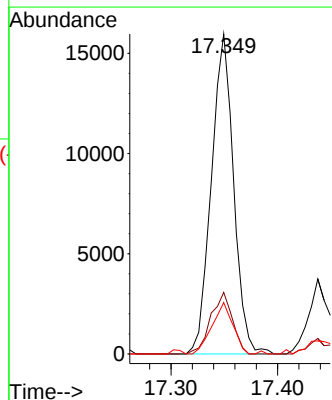
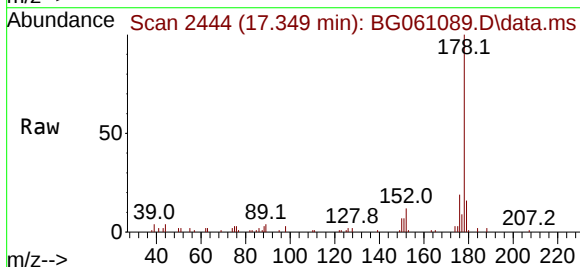
Instrument :
BNA_G
ClientSampleId :

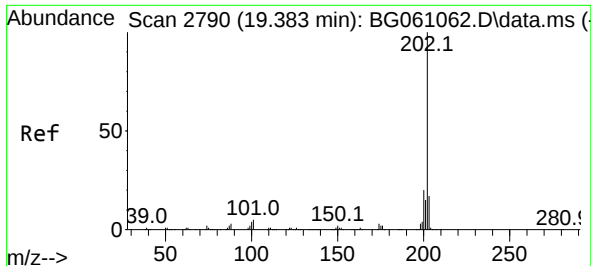
Tgt Ion:248 Resp: 8010
Ion Ratio Lower Upper
248 100
250 186.4 73.0 109.4#
141 366.2 50.8 76.2#



#71
Phenanthrene
Concen: 3.093 ng
RT: 17.349 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

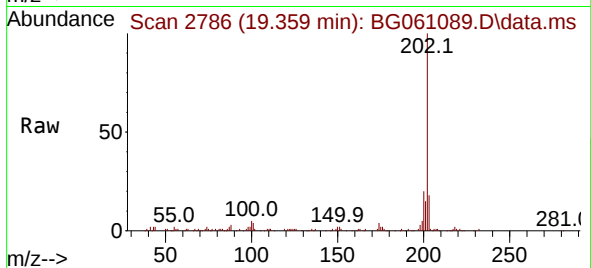
Tgt Ion:178 Resp: 23130
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.0 12.6 19.0



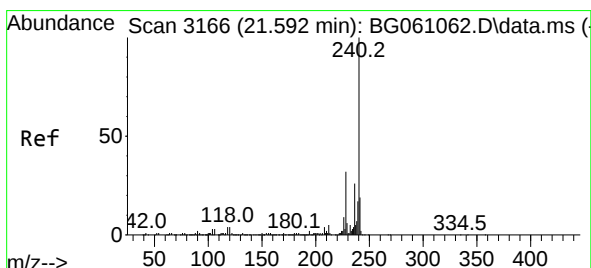
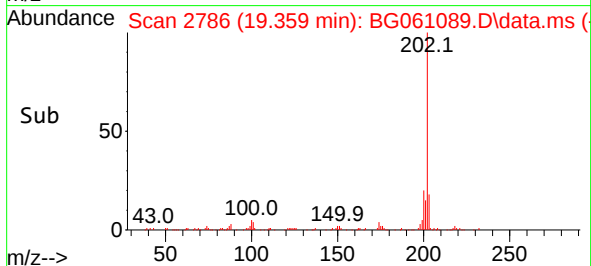
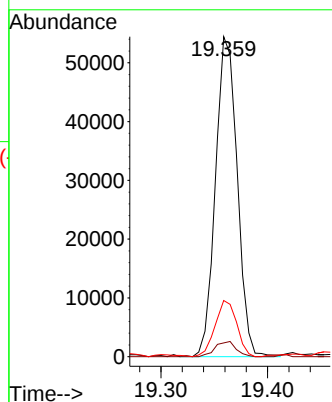


#75
Fluoranthene
Concen: 7.528 ng
RT: 19.359 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Instrument :
BNA_G
ClientSampleId :

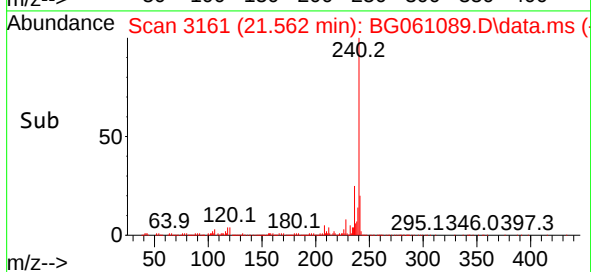
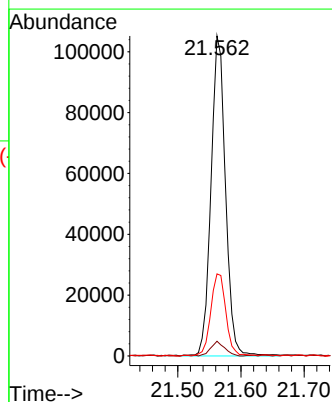
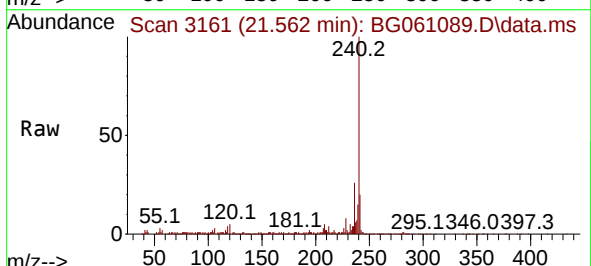


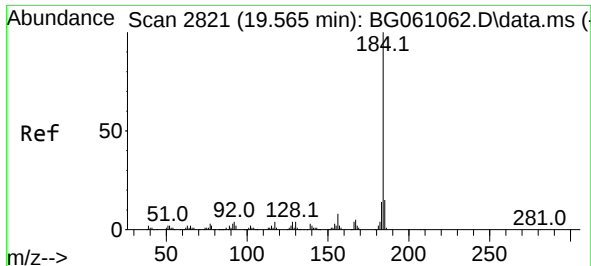
Tgt Ion:202 Resp: 77113
Ion Ratio Lower Upper
202 100
101 4.3 0.0 24.7
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.562 min Scan# 3161
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Tgt Ion:240 Resp: 167560
Ion Ratio Lower Upper
240 100
120 4.6 3.2 4.8
236 25.7 21.0 31.6

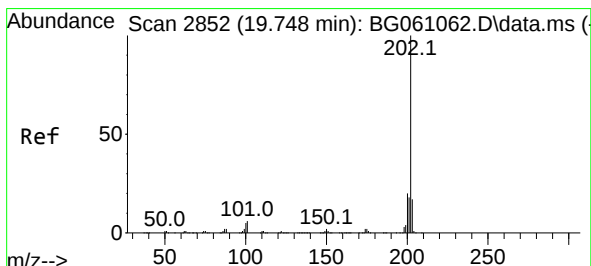
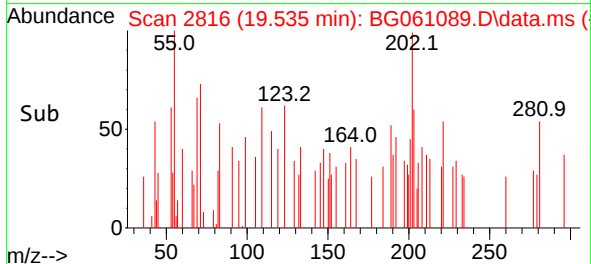
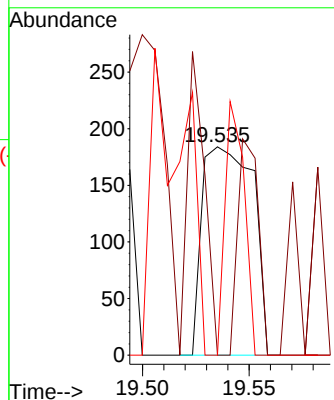
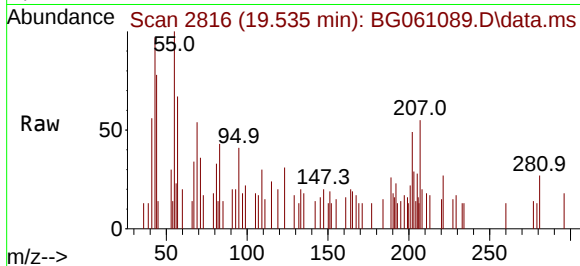




#77
Benzidine
Concen: 2.885 ng
RT: 19.535 min Scan# 21
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

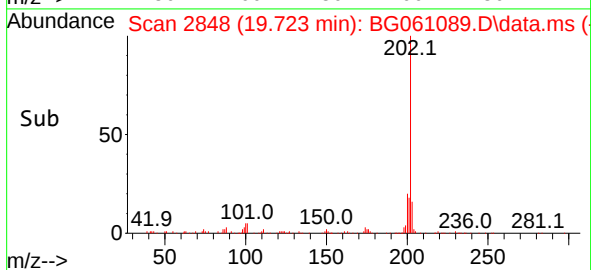
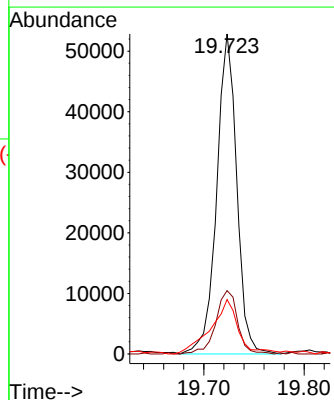
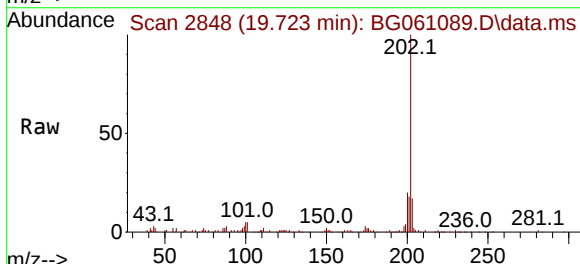
Instrument :
BNA_G
ClientSampleId :

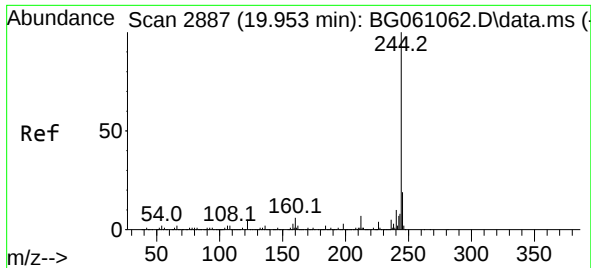
Tgt Ion:184 Resp: 305
Ion Ratio Lower Upper
184 100
185 0.0 12.0 18.0#
183 0.0 10.9 16.3#



#78
Pyrene
Concen: 6.869 ng
RT: 19.723 min Scan# 2848
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Tgt Ion:202 Resp: 73170
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.4
203 17.0 13.3 19.9

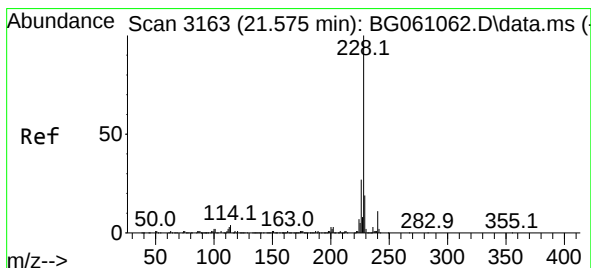
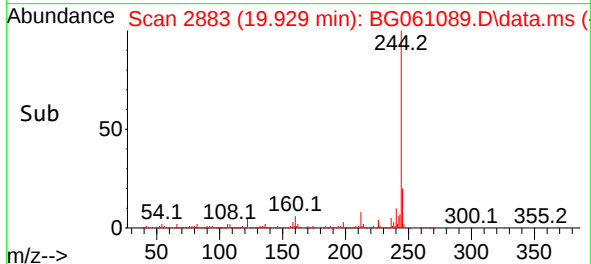
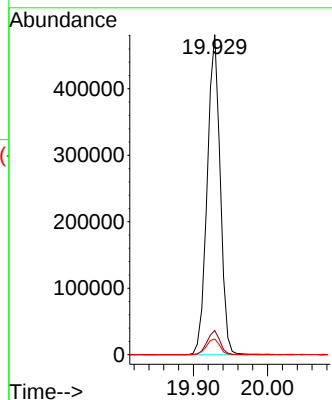
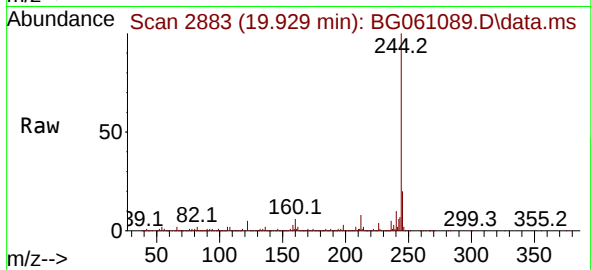




#79
Terphenyl-d14
Concen: 58.126 ng
RT: 19.929 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

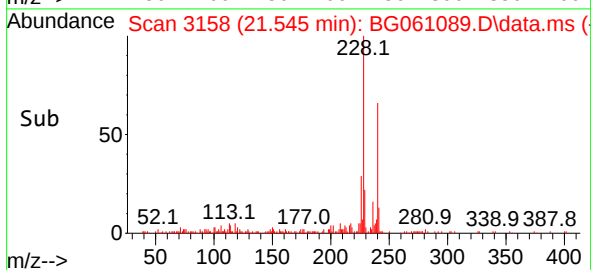
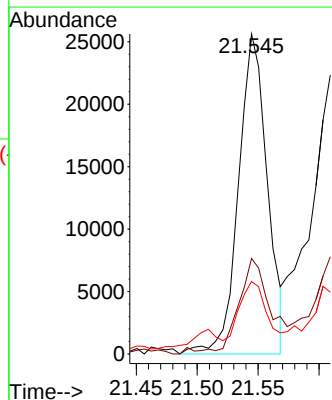
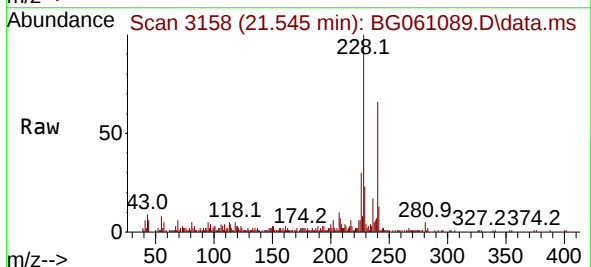
Instrument :
BNA_G
ClientSampleId :

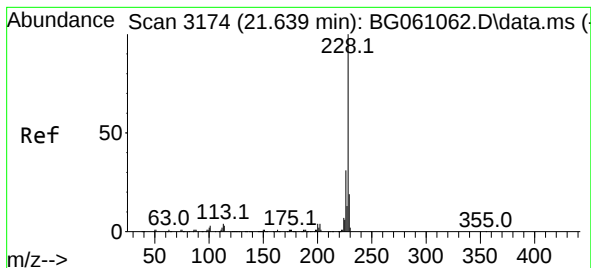
Tgt Ion:244 Resp: 585612
Ion Ratio Lower Upper
244 100
212 7.6 5.7 8.5
122 4.9 4.2 6.2



#81
Benzo(a)anthracene
Concen: 3.851 ng
RT: 21.545 min Scan# 3158
Delta R.T. -0.030 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

Tgt Ion:228 Resp: 42222
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 22.6 15.0 22.4#





#83

Chrysene

Concen: 4.053 ng

RT: 21.609 min Scan# 3174

Delta R.T. -0.030 min

Lab File: BG061089.D

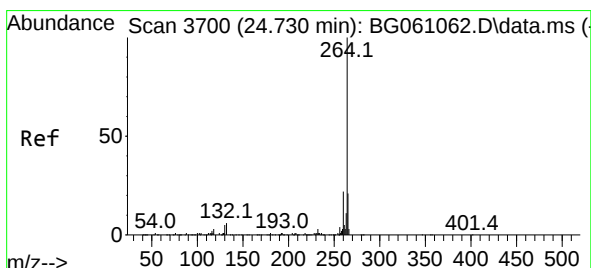
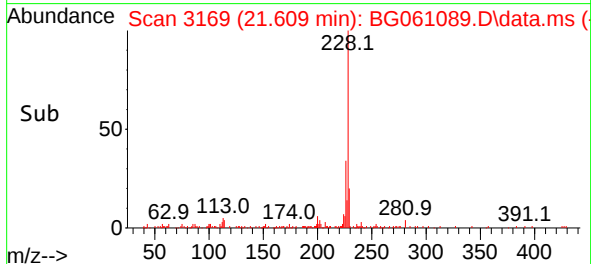
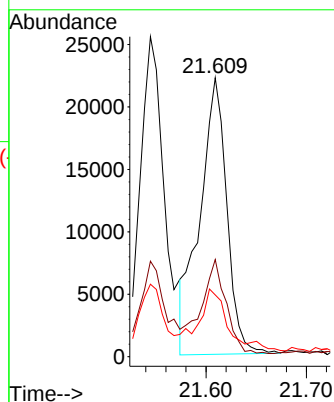
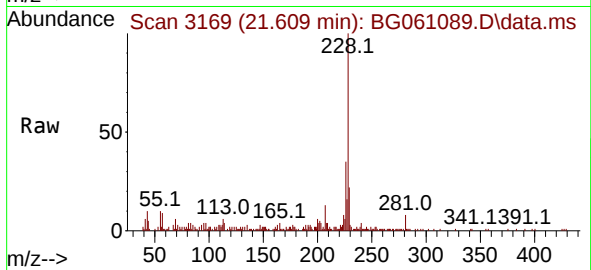
Acq: 2 May 2024 11:58

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:228	Resp:	41638
Ion Ratio	Lower	Upper
228	100	
226	34.8	24.4 36.6
229	22.2	14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

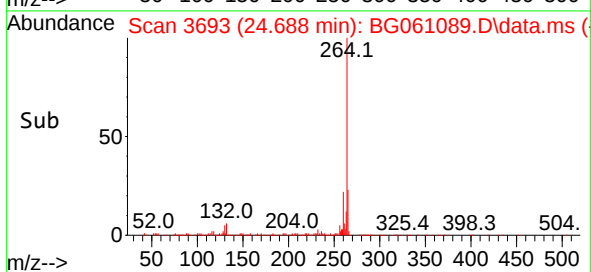
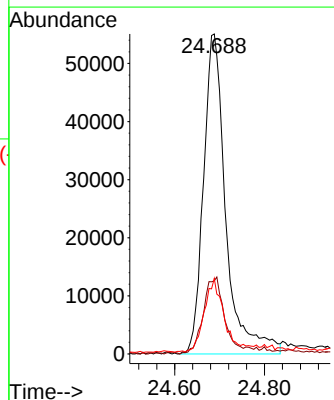
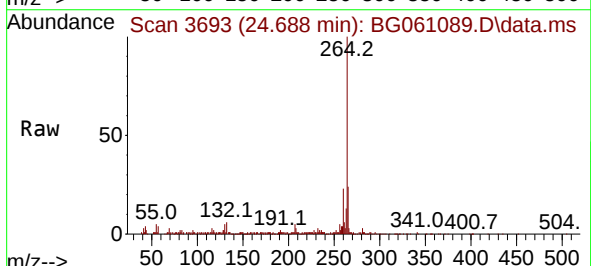
RT: 24.688 min Scan# 3693

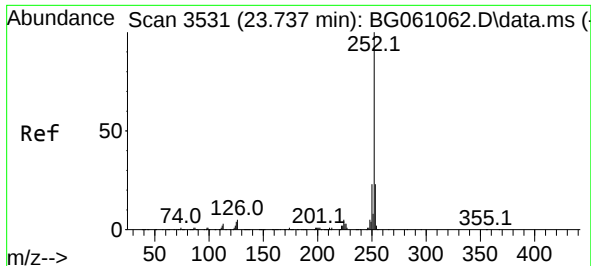
Delta R.T. -0.042 min

Lab File: BG061089.D

Acq: 2 May 2024 11:58

Tgt Ion:264	Resp:	190321
Ion Ratio	Lower	Upper
264	100	
260	22.9	17.7 26.5
265	23.6	16.4 24.6

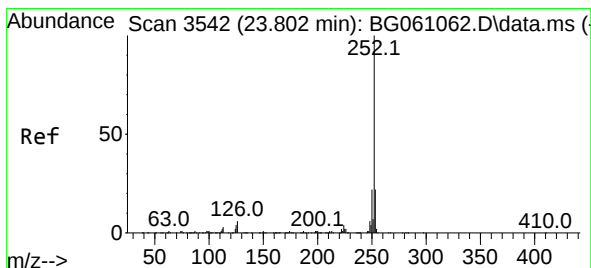
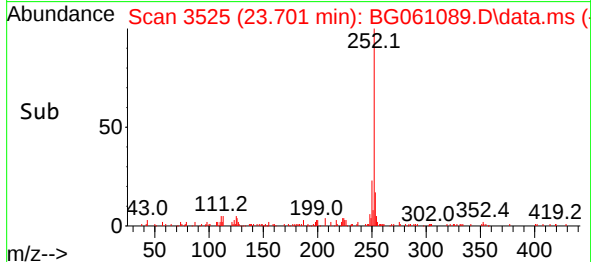
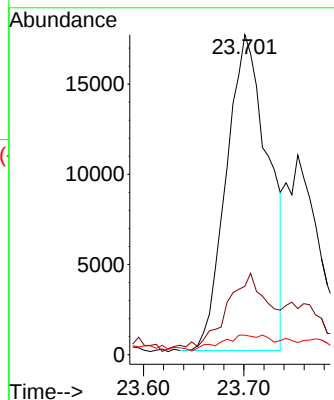
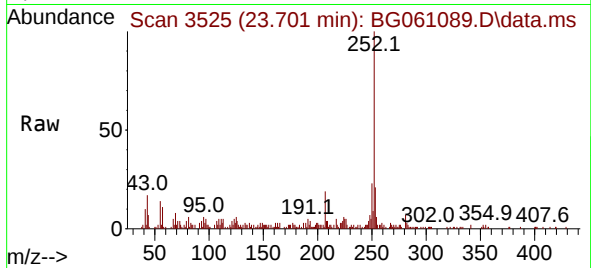




#88
Benzo(b)fluoranthene
Concen: 4.767 ng
RT: 23.701 min Scan# 31
Delta R.T. -0.036 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

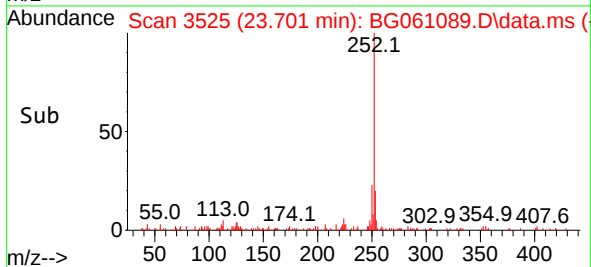
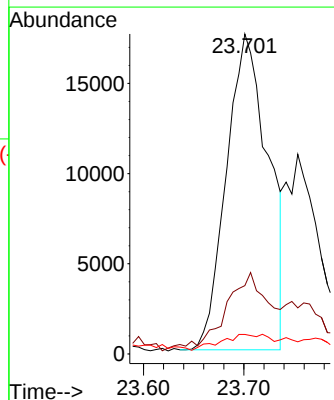
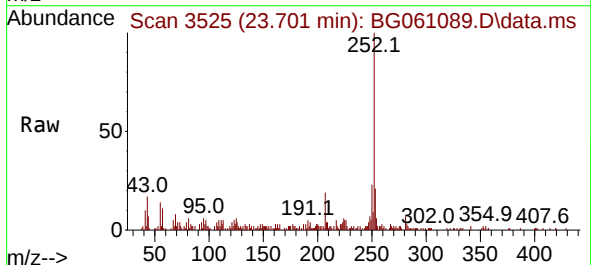
Instrument :
BNA_G
ClientSampleId :

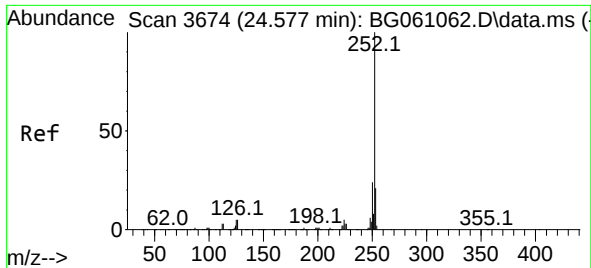
Tgt Ion:252 Resp: 50693
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.2
125 6.1 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 4.955 ng
RT: 23.701 min Scan# 3525
Delta R.T. -0.101 min
Lab File: BG061089.D
Acq: 2 May 2024 11:58

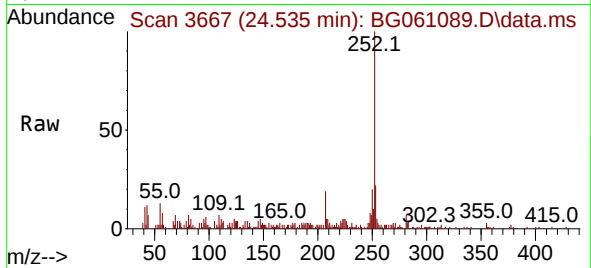
Tgt Ion:252 Resp: 50693
Ion Ratio Lower Upper
252 100
253 21.3 17.3 25.9
125 6.1 3.2 4.8#





#90
 Benzo(a)pyrene
 Concen: 4.203 ng
 RT: 24.535 min Scan# 30
 Delta R.T. -0.042 min
 Lab File: BG061089.D
 Acq: 2 May 2024 11:58

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:252 Resp: 38945
 Ion Ratio Lower Upper
 252 100
 253 21.8 16.9 25.3
 125 7.2 3.8 5.8#

