

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061096.D
 Acq On : 2 May 2024 16:46
 Operator : MA/JU
 Sample : P2337-03 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 17:49:22 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)

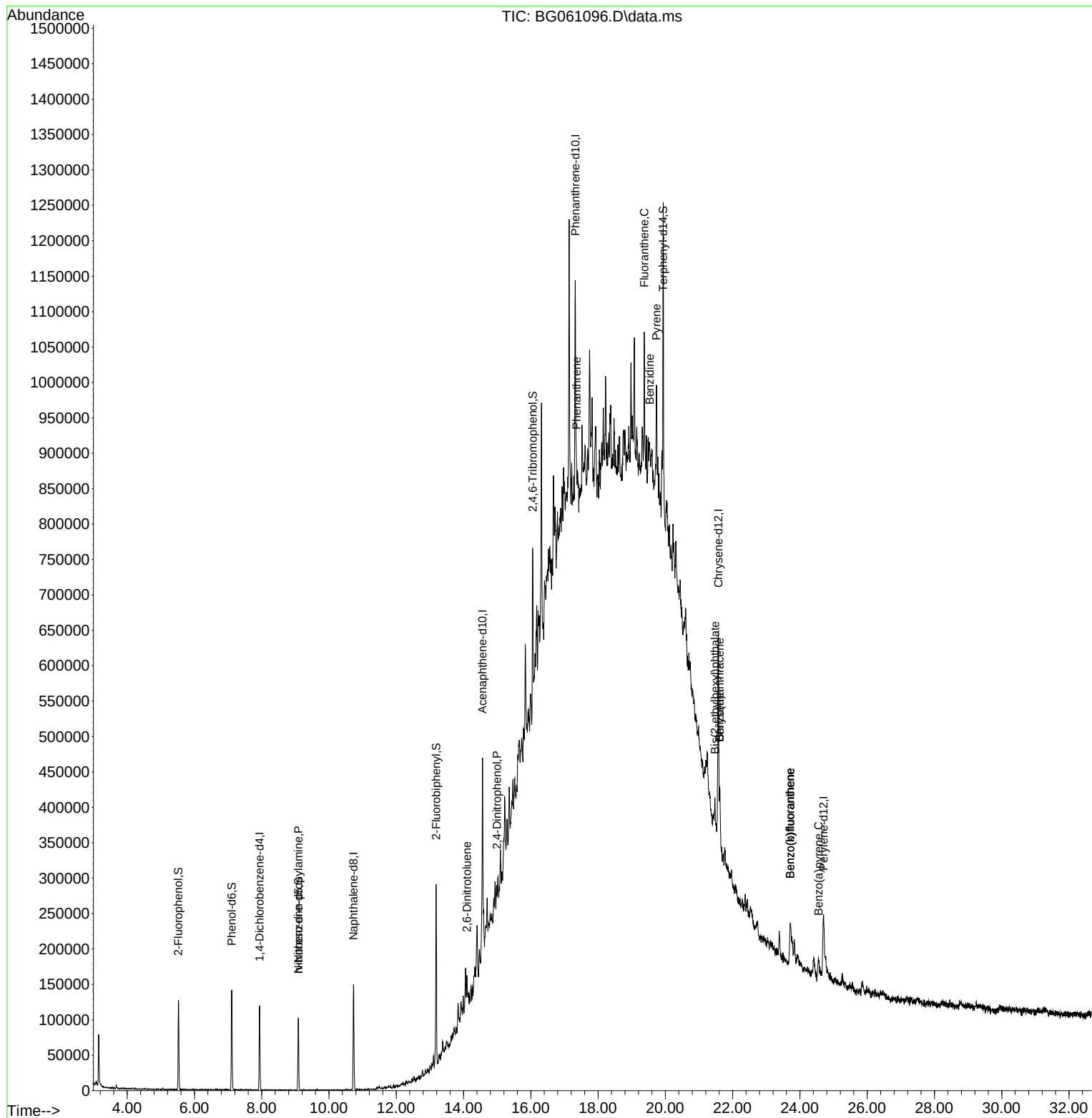
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	30914	20.000	ng	-0.02
21) Naphthalene-d8	10.729	136	117665	20.000	ng	-0.03
39) Acenaphthene-d10	14.566	164	79878	20.000	ng	-0.02
64) Phenanthrene-d10	17.321	188	172614	20.000	ng	#-0.01
76) Chrysene-d12	21.575	240	171862	20.000	ng	-0.02
86) Perylene-d12	24.701	264	145823	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	47335	31.140	ng	-0.02
7) Phenol-d6	7.110	99	64508	28.687	ng	-0.02
23) Nitrobenzene-d5	9.090	82	49071	20.674	ng	-0.03
42) 2,4,6-Tribromophenol	16.058	330	44613	27.942	ng	-0.02
45) 2-Fluorobiphenyl	13.185	172	129949	24.056	ng	-0.02
79) Terphenyl-d14	19.936	244	202929	19.638	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.104	77	59	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.090	70	8088	4.806	ng	# 56
51) 2,6-Dinitrotoluene	14.102	165	5404	4.095	ng	# 25
54) 2,4-Dinitrophenol	14.995	184	80	2.291	ng	# 44
71) Phenanthrene	17.363	178	26479	3.355	ng	# 78
75) Fluoranthene	19.372	202	94510	8.741	ng	92
77) Benzidine	19.536	184	394	2.909	ng	# 1
78) Pyrene	19.736	202	98345	9.001	ng	95
81) Benzo(a)anthracene	21.616	228	68934	6.130	ng	92
83) Chrysene	21.616	228	68934	6.542	ng	96
84) Bis(2-ethylhexyl)phtha...	21.475	149	18124	4.013	ng	# 93
88) Benzo(b)fluoranthene	23.714	252	79612	9.770	ng	# 98
89) Benzo(k)fluoranthene	23.714	252	79612	10.155	ng	# 96
90) Benzo(a)pyrene	24.554	252	40438	5.696	ng	# 89

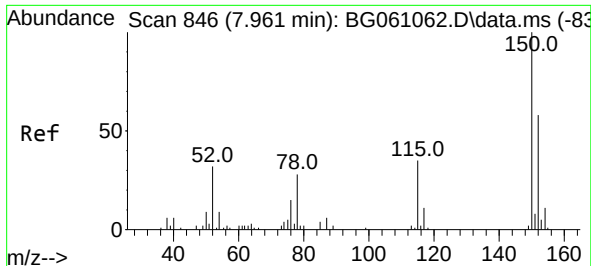
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

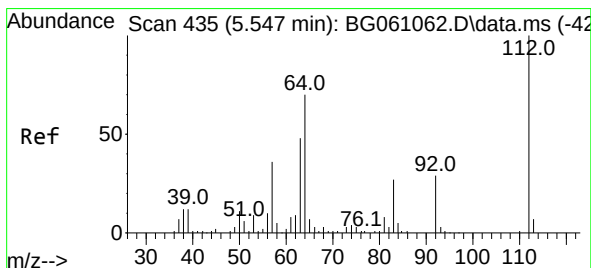
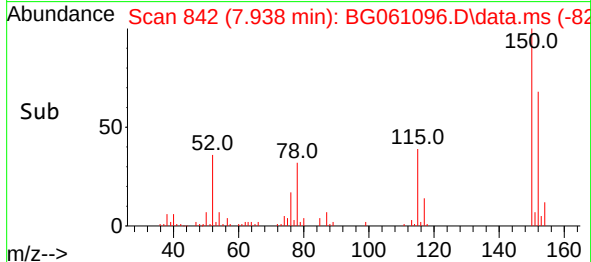
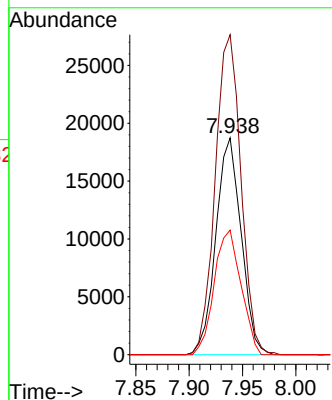
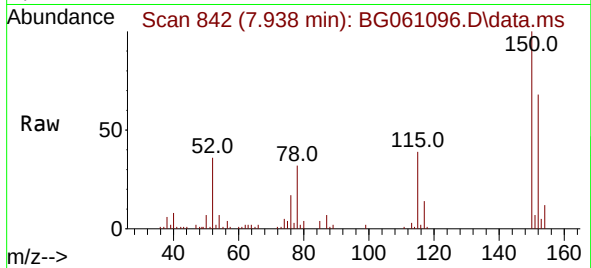




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 846
Delta R.T. -0.023 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

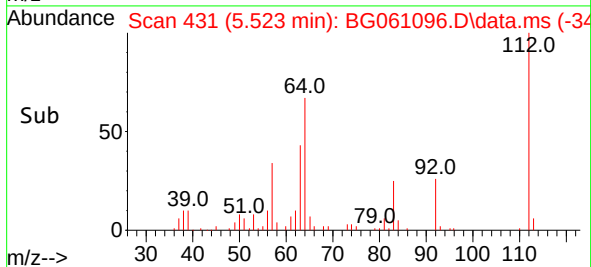
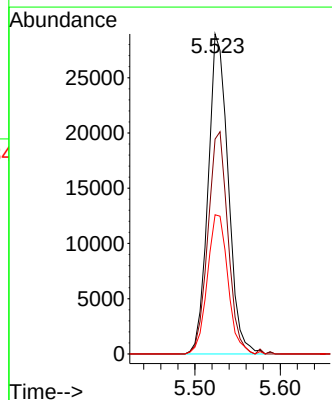
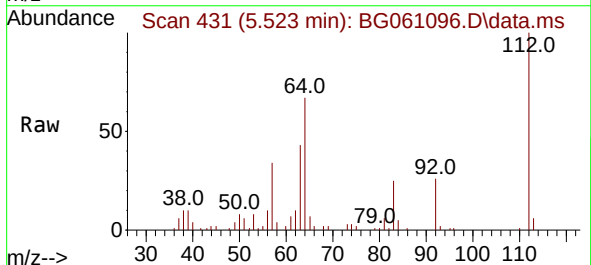
Instrument :
BNA_G
ClientSampleId :

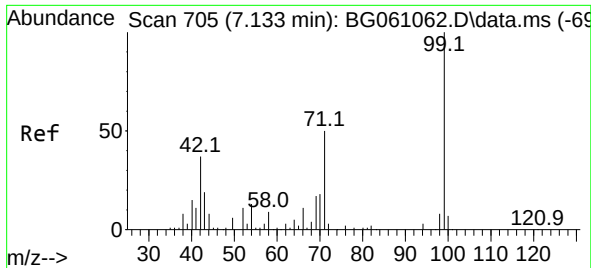
Tgt Ion:152 Resp: 30914
Ion Ratio Lower Upper
152 100
150 147.5 138.3 207.5
115 57.5 48.0 72.0



#5
2-Fluorophenol
Concen: 31.140 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.023 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

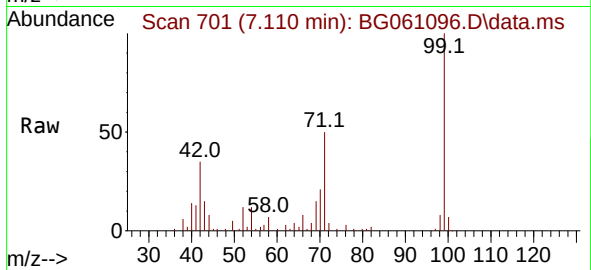
Tgt Ion:112 Resp: 47335
Ion Ratio Lower Upper
112 100
64 67.1 55.7 83.5
63 43.5 38.1 57.1





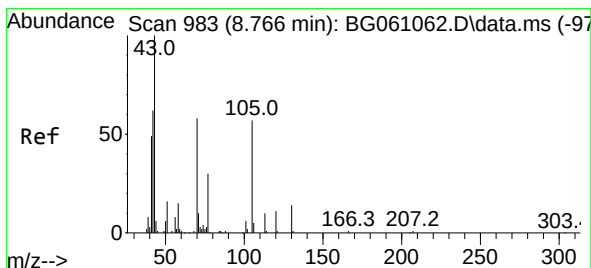
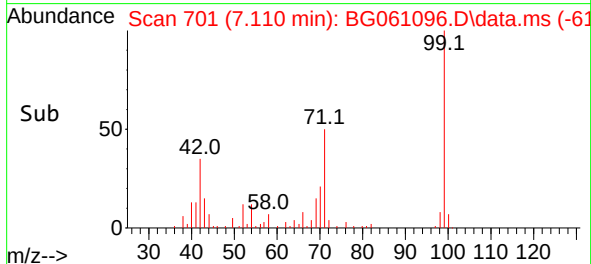
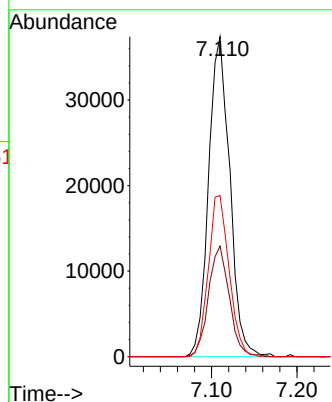
#7
Phenol-d6
Concen: 28.687 ng
RT: 7.110 min Scan# 705
Delta R.T. -0.023 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

Instrument :
BNA_G
ClientSampleId :



Tgt Ion: 99 Resp: 64508

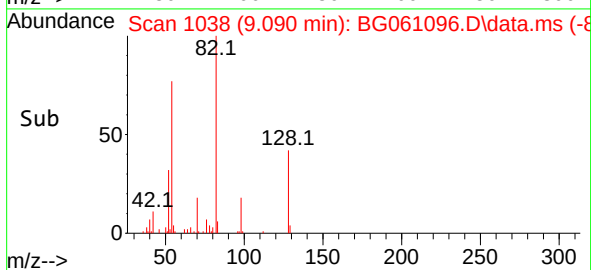
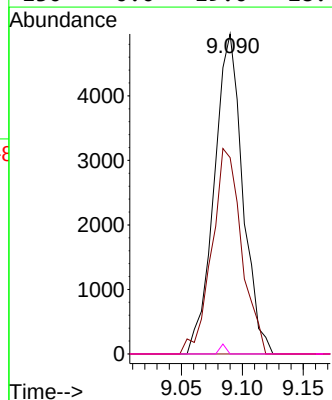
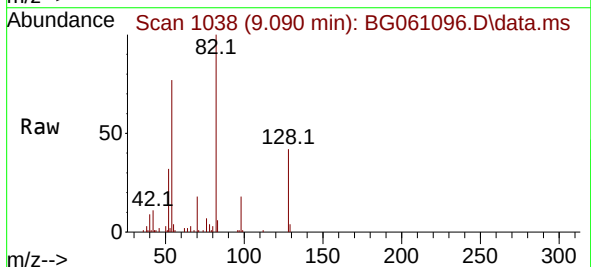
Ion	Ratio	Lower	Upper
99	100		
42	34.6	29.2	43.8
71	50.4	39.7	59.5

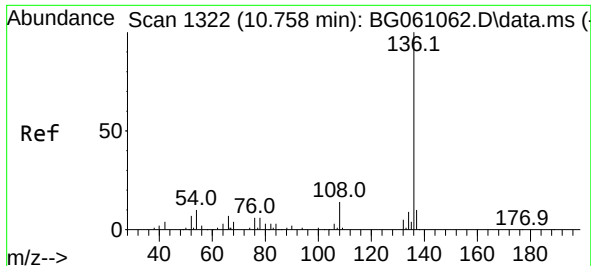


#19
n-Nitroso-di-n-propylamine
Concen: 4.806 ng
RT: 9.090 min Scan# 1038
Delta R.T. 0.324 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

Tgt Ion: 70 Resp: 8088

Ion	Ratio	Lower	Upper
70	100		
42	61.3	86.4	129.6#
101	0.0	7.8	11.8#
130	0.0	19.0	28.4#

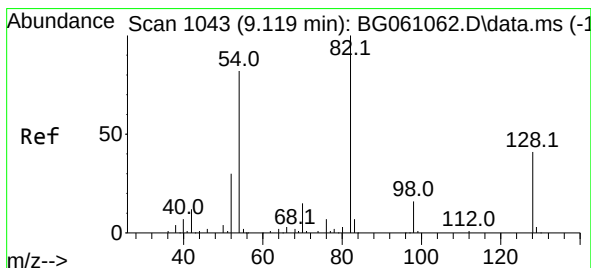
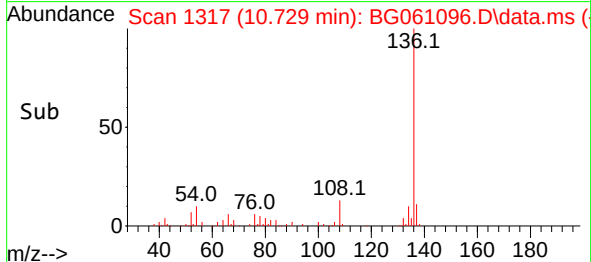
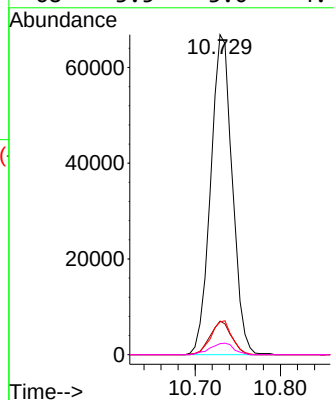
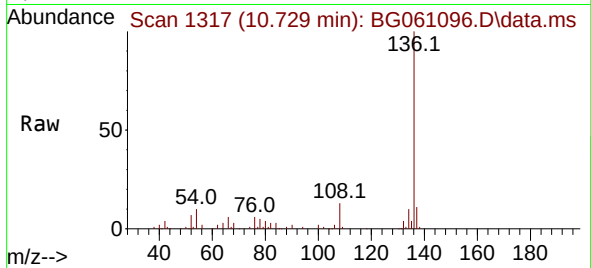




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.729 min Scan# 11
Delta R.T. -0.029 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

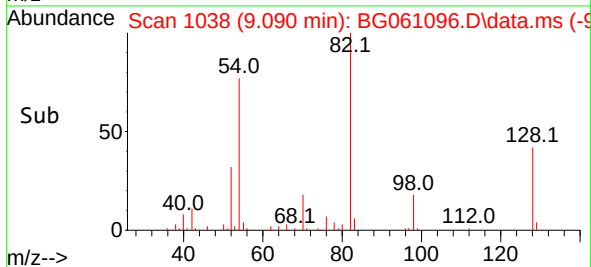
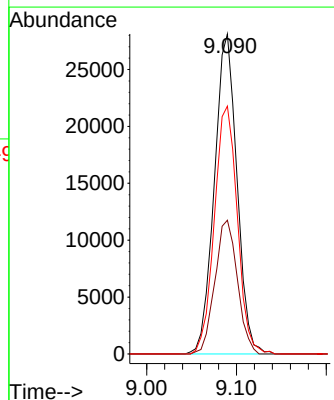
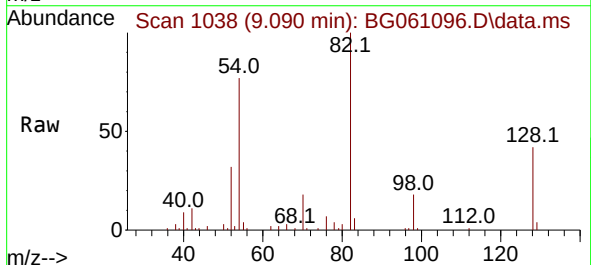
Instrument :
BNA_G
ClientSampleId :

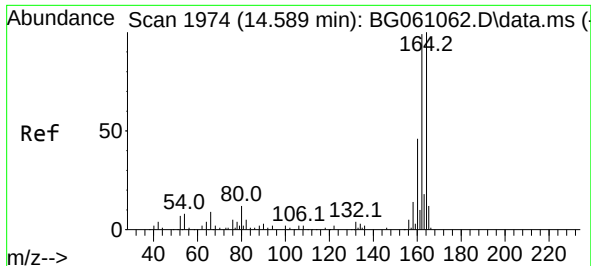
Tgt Ion:	136	Resp:	117665
Ion	Ratio	Lower	Upper
136	100		
137	10.5	7.8	11.6
54	10.3	8.1	12.1
68	3.5	3.0	4.4



#23
Nitrobenzene-d5
Concen: 20.674 ng
RT: 9.090 min Scan# 1038
Delta R.T. -0.029 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

Tgt Ion:	82	Resp:	49071
Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.7	49.1
54	77.4	65.6	98.4

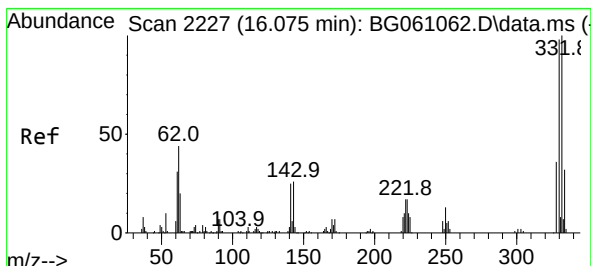
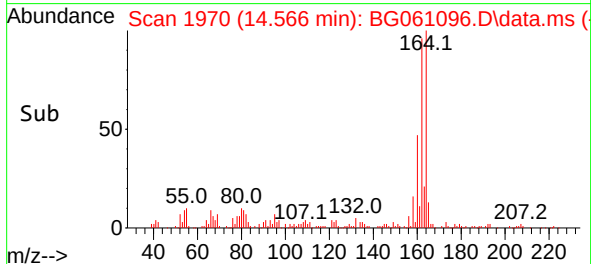
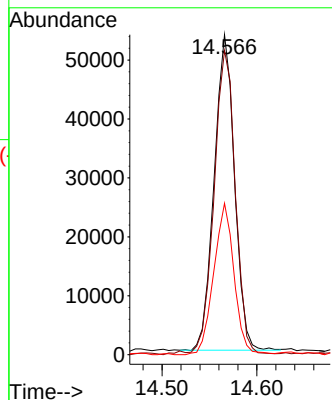
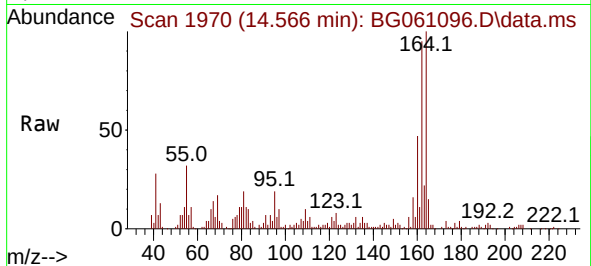




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.566 min Scan# 1974
Delta R.T. -0.023 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

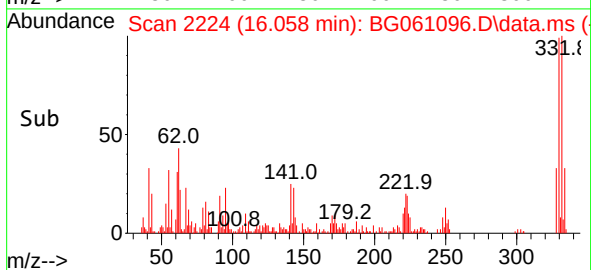
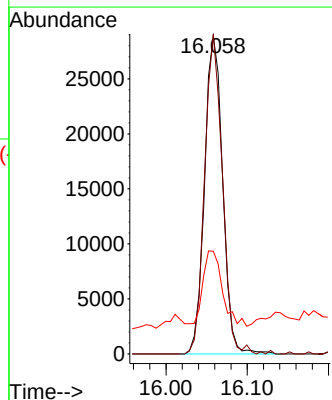
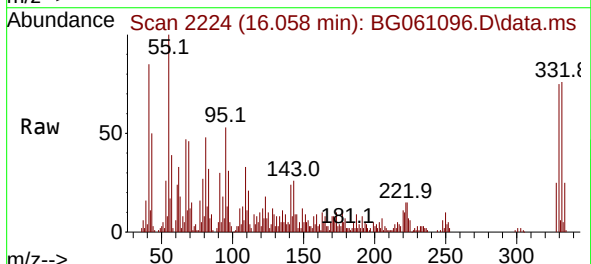
Instrument :
BNA_G
ClientSampleId :

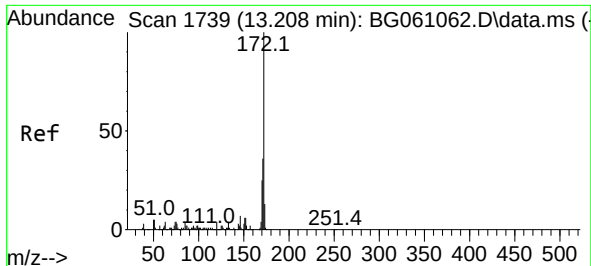
Tgt Ion:164 Resp: 79878
Ion Ratio Lower Upper
164 100
162 95.0 79.4 119.2
160 47.3 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 27.942 ng
RT: 16.058 min Scan# 2224
Delta R.T. -0.017 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

Tgt Ion:330 Resp: 44613
Ion Ratio Lower Upper
330 100
332 98.5 78.6 117.8
141 25.3 20.5 30.7

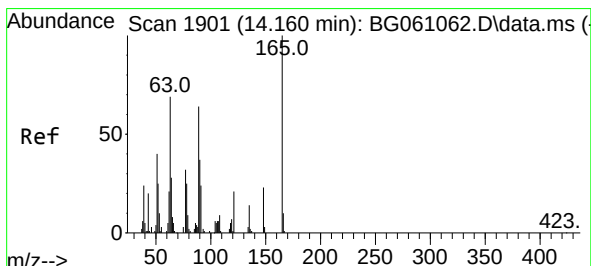
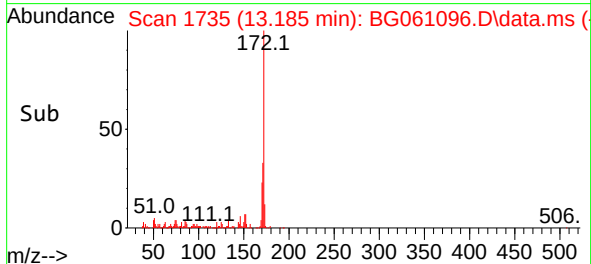
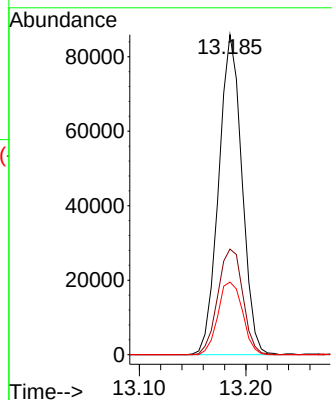
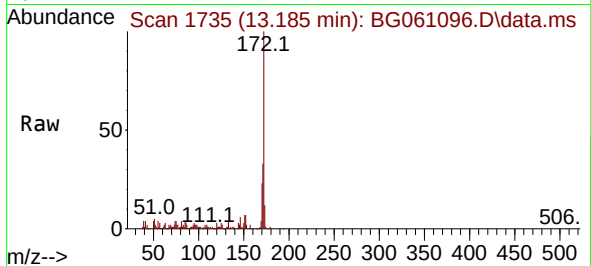




#45
2-Fluorobiphenyl
Concen: 24.056 ng
RT: 13.185 min Scan# 1735
Delta R.T. -0.023 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

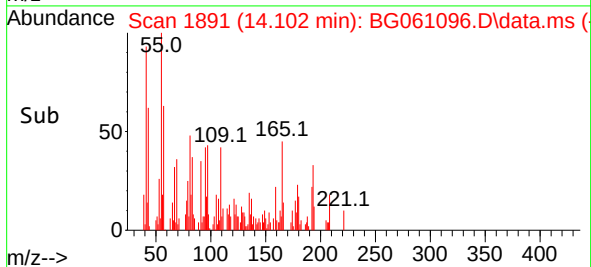
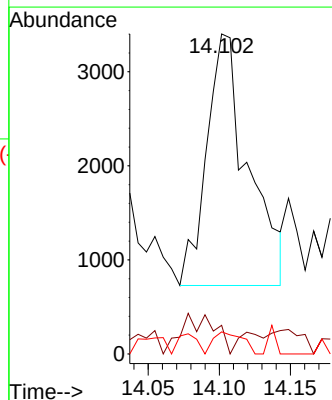
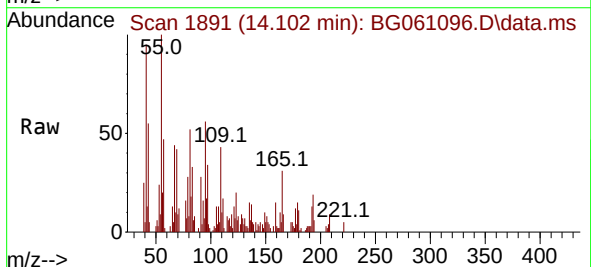
Instrument :
BNA_G
ClientSampleId :

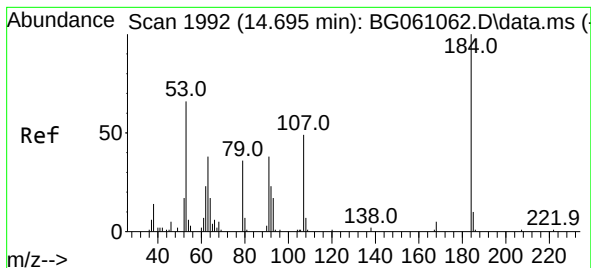
Tgt Ion:172 Resp: 129949
Ion Ratio Lower Upper
172 100
171 33.0 29.0 43.6
170 22.7 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 4.095 ng
RT: 14.102 min Scan# 1891
Delta R.T. -0.058 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

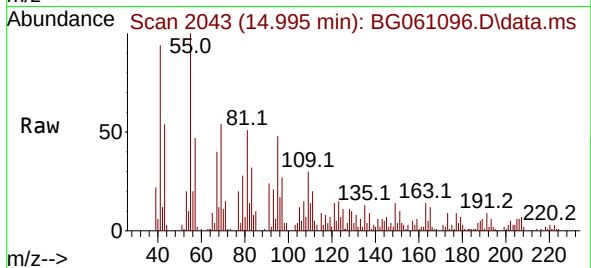
Tgt Ion:165 Resp: 5404
Ion Ratio Lower Upper
165 100
63 8.9 60.0 90.0#
89 6.9 50.9 76.3#



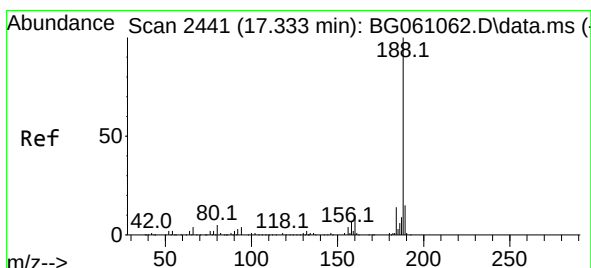
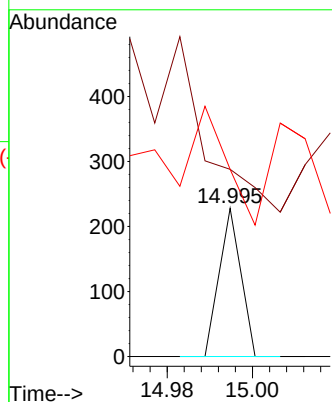
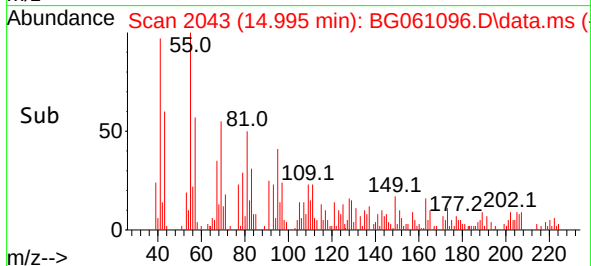


#54
2,4-Dinitrophenol
Concen: 2.291 ng
RT: 14.995 min Scan# 2043
Delta R.T. 0.300 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

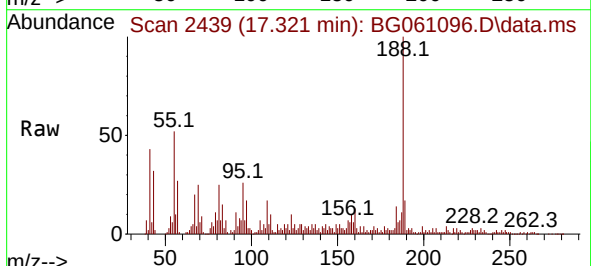
Instrument :
BNA_G
ClientSampleId :



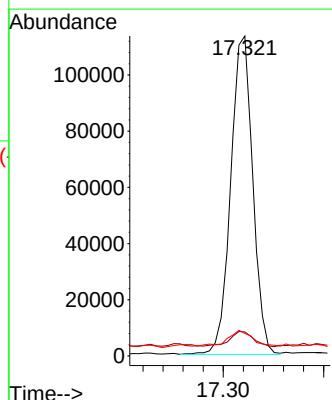
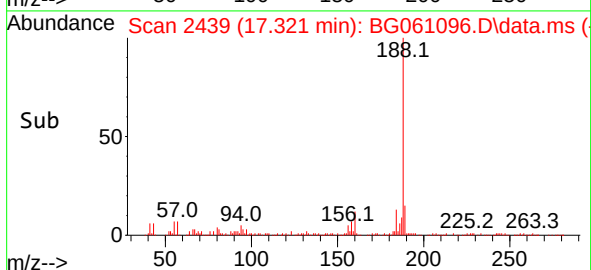
Tgt Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 126.3 62.6 93.8#
154 126.3 61.4 92.0#

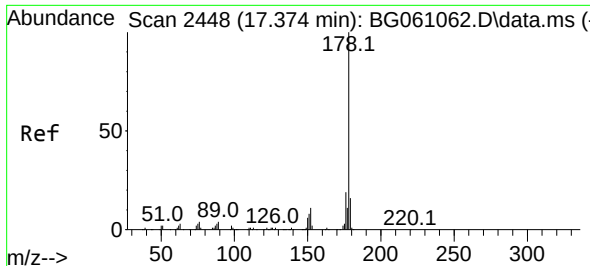


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2439
Delta R.T. -0.011 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46



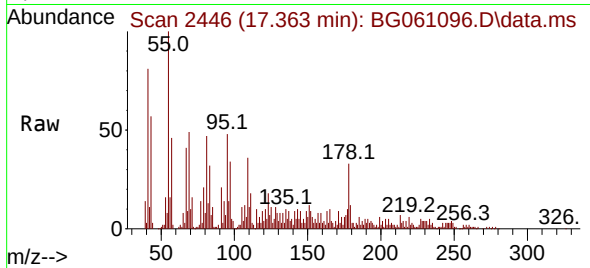
Tgt Ion:188 Resp: 172614
Ion Ratio Lower Upper
188 100
94 7.5 3.6 5.4#
80 7.0 4.2 6.2#



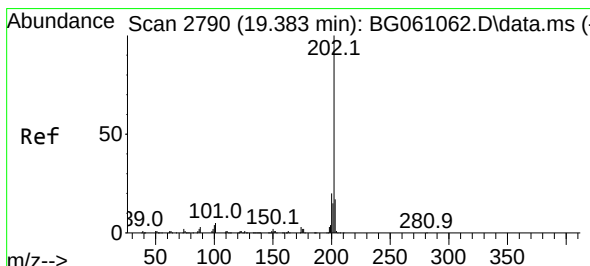
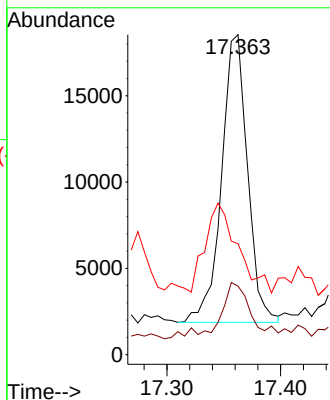
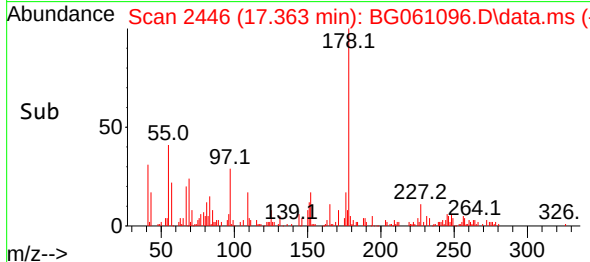


#71
Phenanthrene
Concen: 3.355 ng
RT: 17.363 min Scan# 2448
Delta R.T. -0.011 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

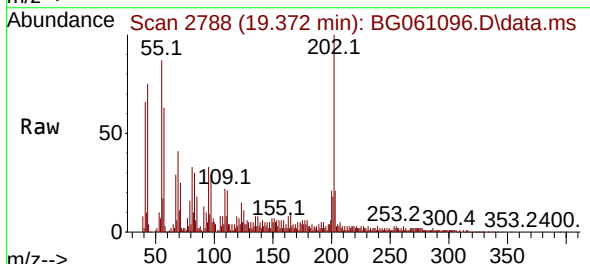
Instrument :
BNA_G
ClientSampleId :



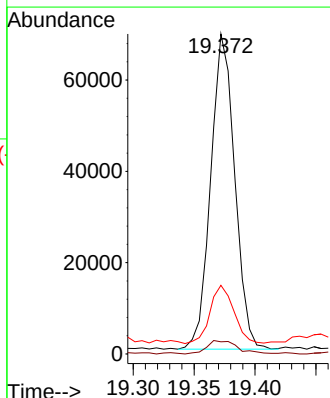
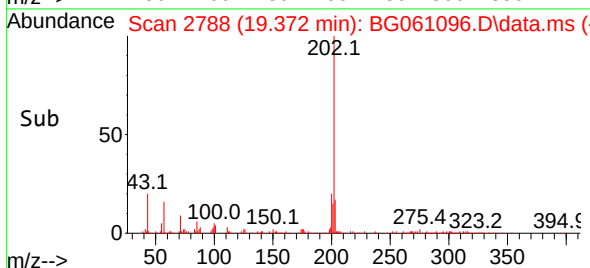
Tgt Ion:178 Resp: 26479
Ion Ratio Lower Upper
178 100
176 21.4 15.5 23.3
179 34.7 12.6 19.0#

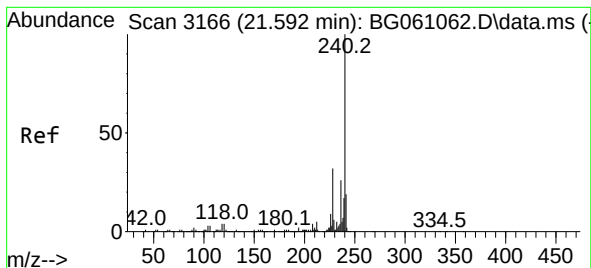


#75
Fluoranthene
Concen: 8.741 ng
RT: 19.372 min Scan# 2788
Delta R.T. -0.011 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46



Tgt Ion:202 Resp: 94510
Ion Ratio Lower Upper
202 100
101 3.8 0.0 24.7
203 21.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.575 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG061096.D

Acq: 2 May 2024 16:46

Instrument :

BNA_G

ClientSampleId :

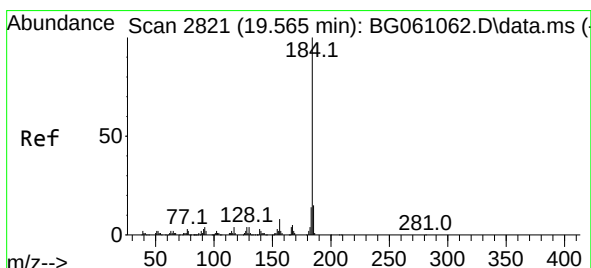
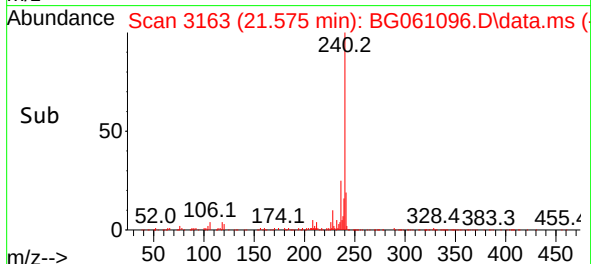
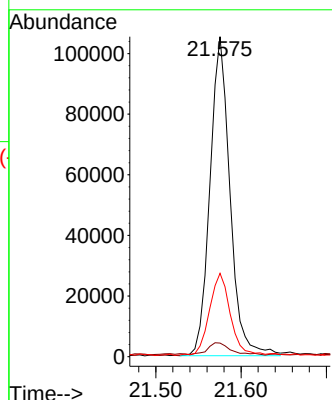
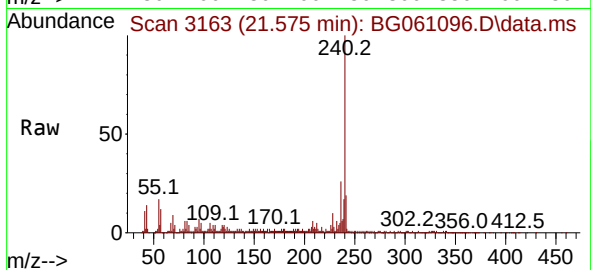
Tgt Ion:240 Resp: 171862

Ion Ratio Lower Upper

240 100

120 4.3 3.2 4.8

236 26.1 21.0 31.6



#77

Benzidine

Concen: 2.909 ng

RT: 19.536 min Scan# 2816

Delta R.T. -0.029 min

Lab File: BG061096.D

Acq: 2 May 2024 16:46

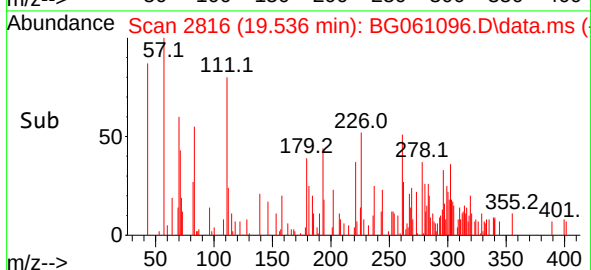
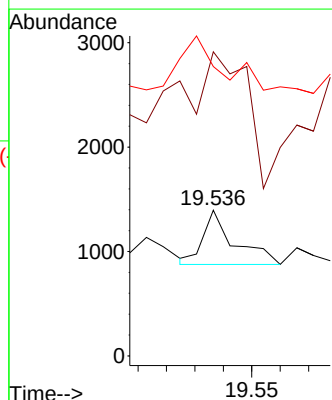
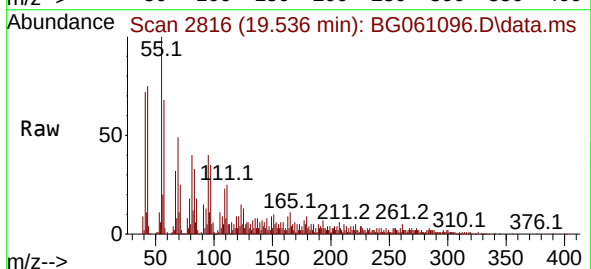
Tgt Ion:184 Resp: 394

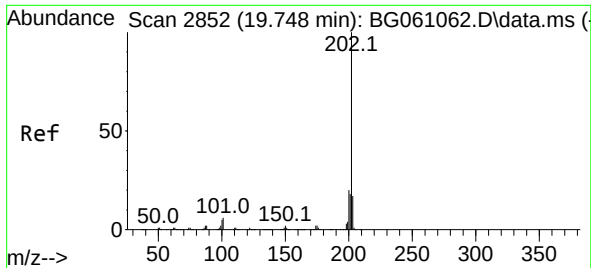
Ion Ratio Lower Upper

184 100

185 208.7 12.0 18.0#

183 198.6 10.9 16.3#

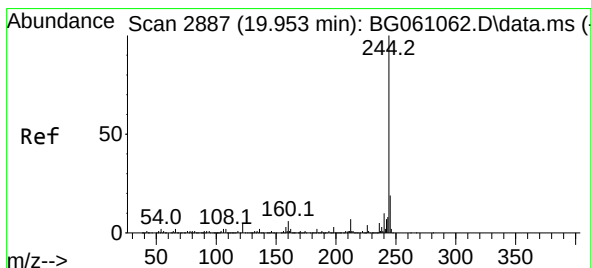
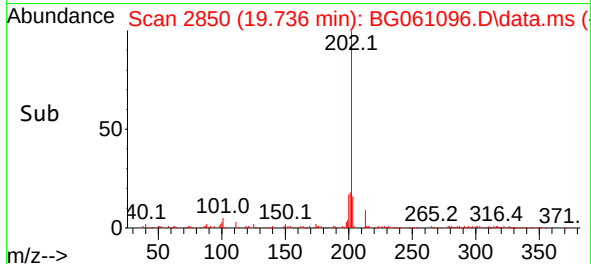
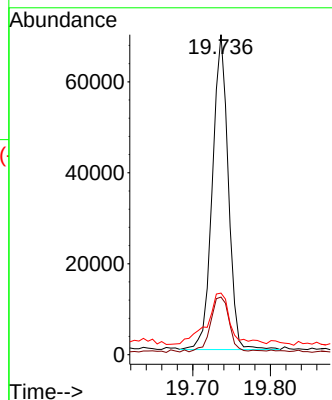
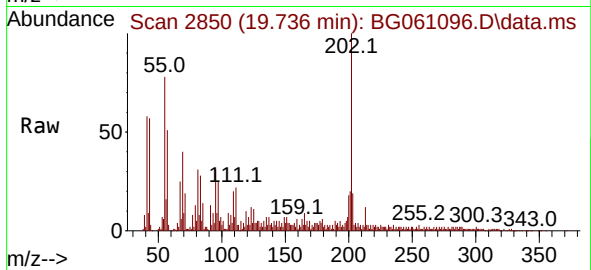




#78
 Pyrene
 Concen: 9.001 ng
 RT: 19.736 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG061096.D
 Acq: 2 May 2024 16:46

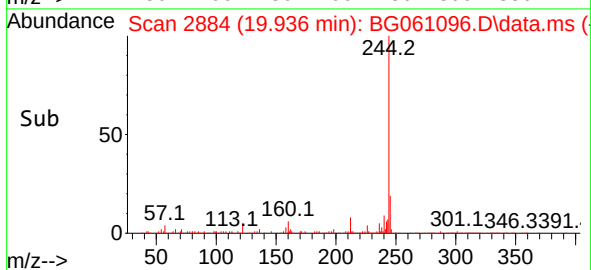
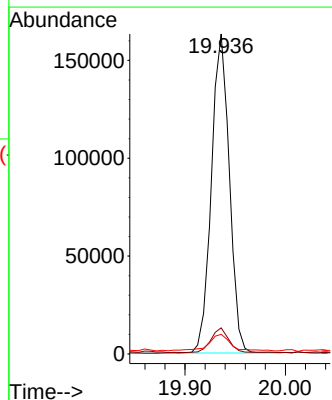
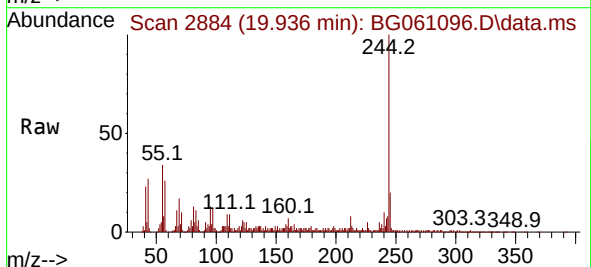
Instrument :
 BNA_G
 ClientSampleId :

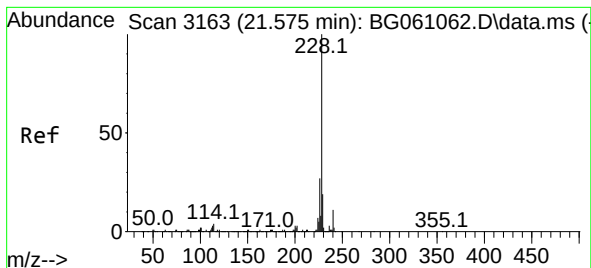
Tgt Ion:202 Resp: 98345
 Ion Ratio Lower Upper
 202 100
 200 18.0 16.2 24.4
 203 19.2 13.3 19.9



#79
 Terphenyl-d14
 Concen: 19.638 ng
 RT: 19.936 min Scan# 2884
 Delta R.T. -0.017 min
 Lab File: BG061096.D
 Acq: 2 May 2024 16:46

Tgt Ion:244 Resp: 202929
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.7 8.5
 122 6.2 4.2 6.2





#81

Benzo(a)anthracene

Concen: 6.130 ng

RT: 21.616 min Scan# 31

Delta R.T. 0.042 min

Lab File: BG061096.D

Acq: 2 May 2024 16:46

Instrument :

BNA_G

ClientSampleId :

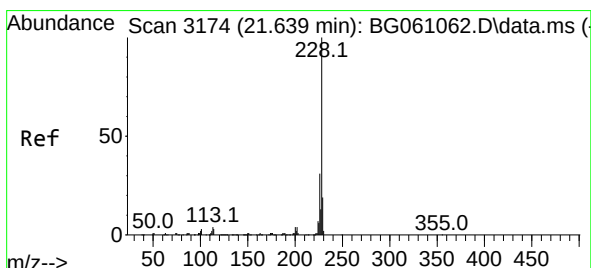
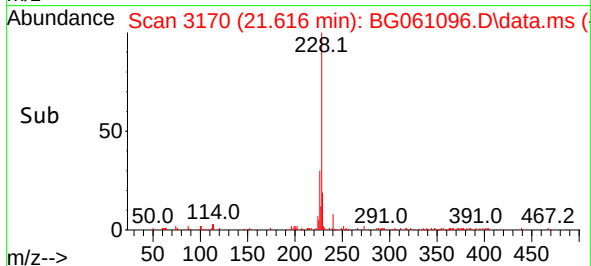
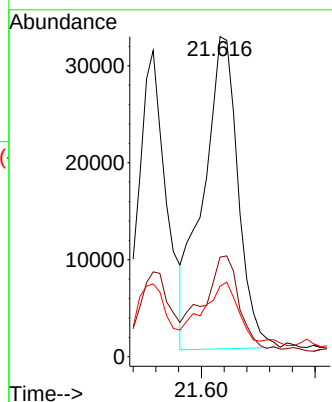
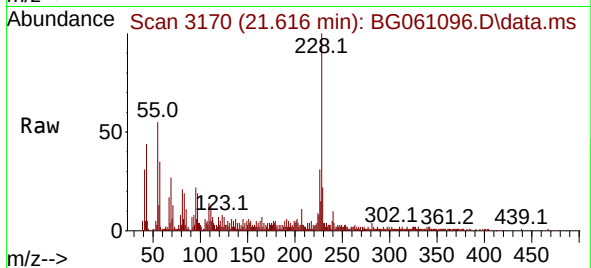
Tgt Ion:228 Resp: 68934

Ion Ratio Lower Upper

228 100

226 31.1 21.6 32.4

229 22.0 15.0 22.4



#83

Chrysene

Concen: 6.542 ng

RT: 21.616 min Scan# 3170

Delta R.T. -0.023 min

Lab File: BG061096.D

Acq: 2 May 2024 16:46

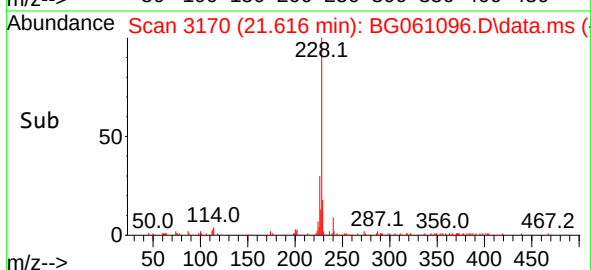
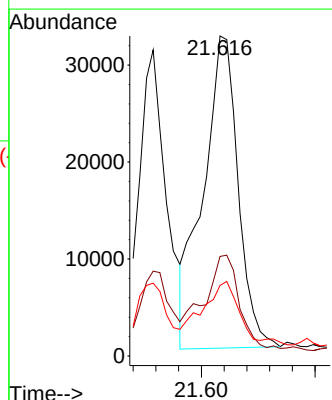
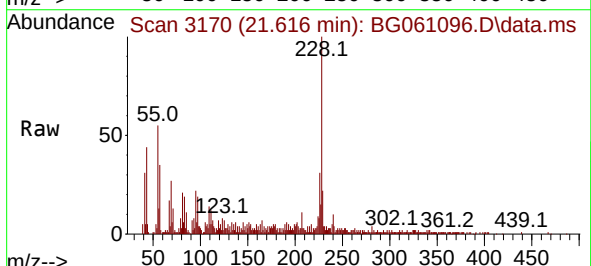
Tgt Ion:228 Resp: 68934

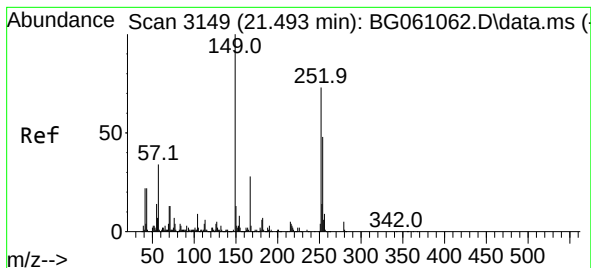
Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

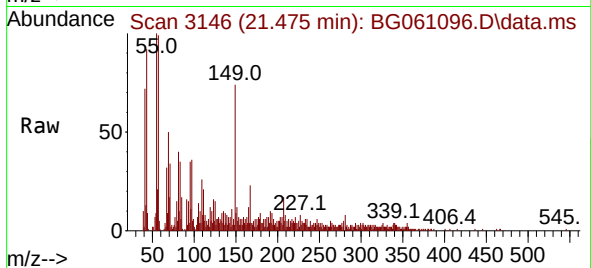
229 22.0 14.8 22.2



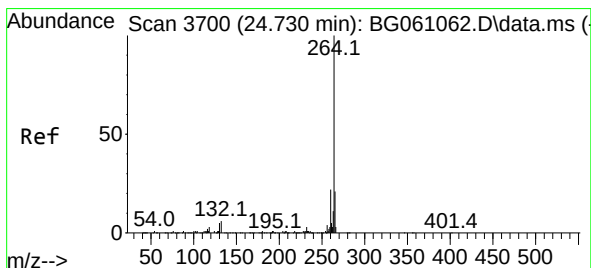
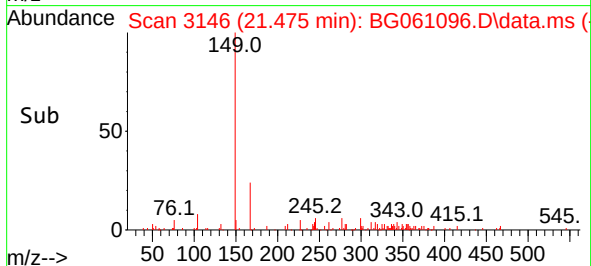
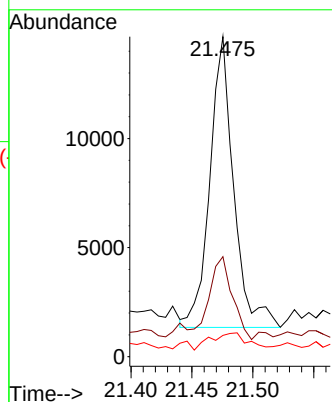


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.013 ng
RT: 21.475 min Scan# 3149
Delta R.T. -0.017 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

Instrument :
BNA_G
ClientSampleId :

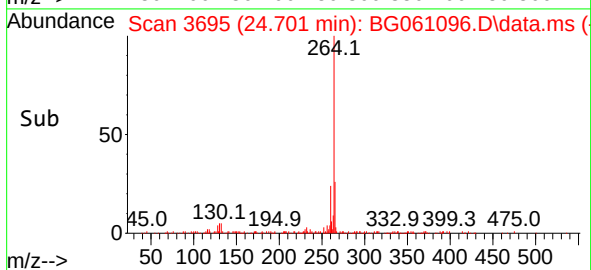
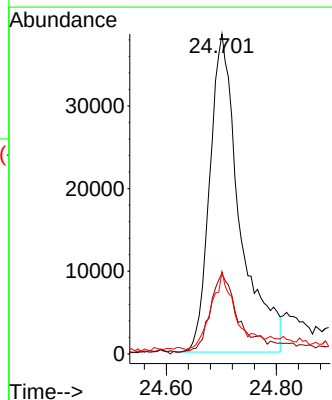
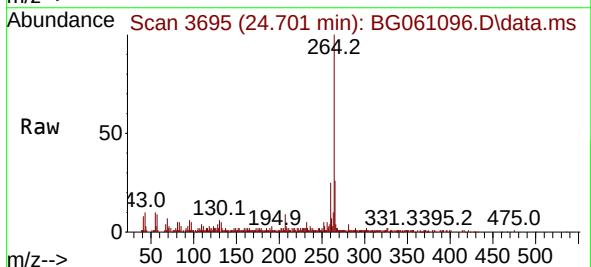


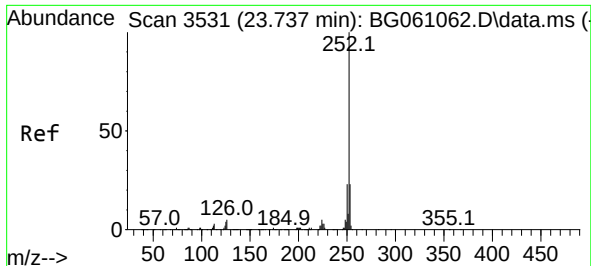
Tgt Ion:149 Resp: 18124
Ion Ratio Lower Upper
149 100
167 31.3 22.1 33.1
279 6.6 4.1 6.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.701 min Scan# 3695
Delta R.T. -0.029 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

Tgt Ion:264 Resp: 145823
Ion Ratio Lower Upper
264 100
260 25.2 17.7 26.5
265 25.7 16.4 24.6#

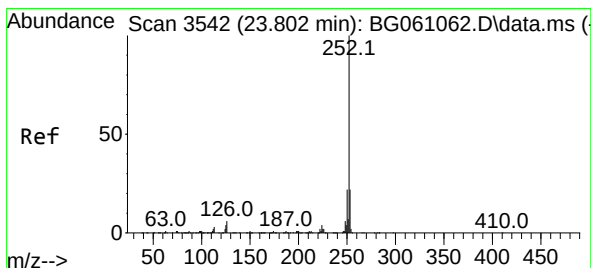
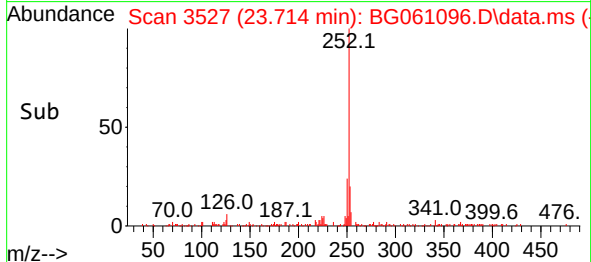
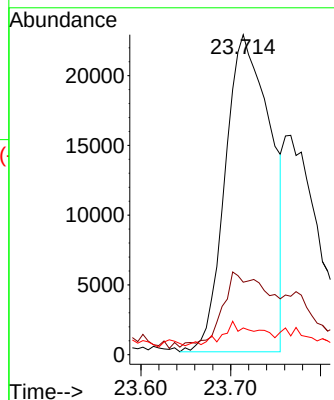
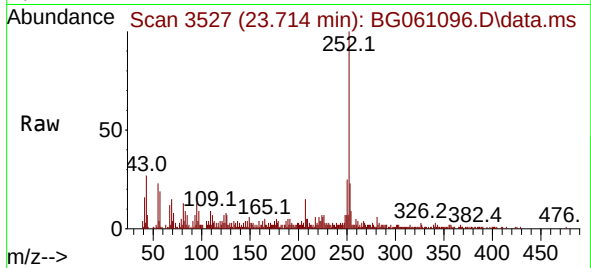




#88
Benzo(b)fluoranthene
Concen: 9.770 ng
RT: 23.714 min Scan# 3527
Delta R.T. -0.023 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

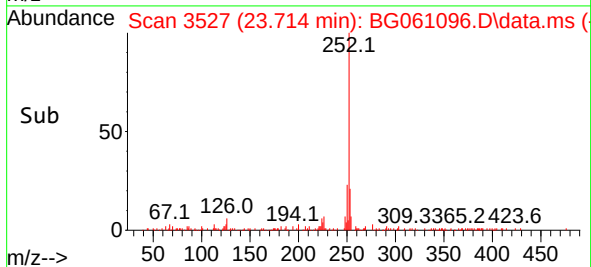
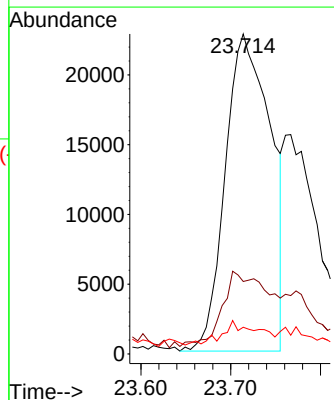
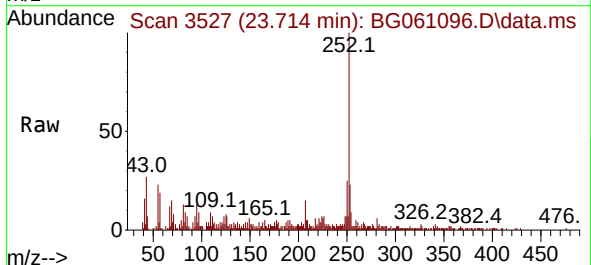
Instrument :
BNA_G
ClientSampleId :

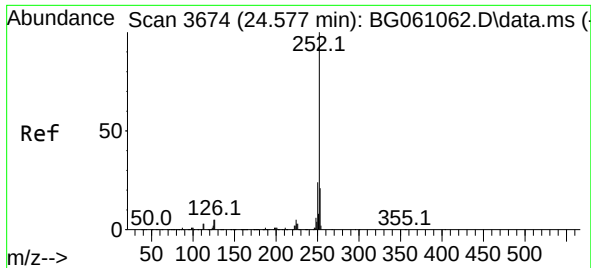
Tgt Ion:252 Resp: 79612
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 8.3 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 10.155 ng
RT: 23.714 min Scan# 3527
Delta R.T. -0.088 min
Lab File: BG061096.D
Acq: 2 May 2024 16:46

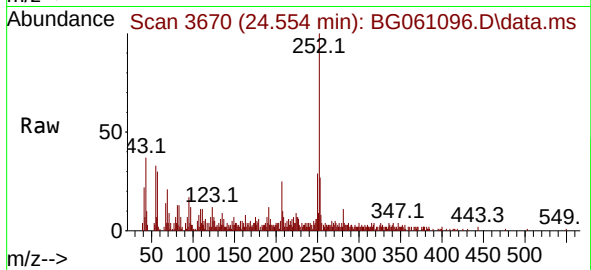
Tgt Ion:252 Resp: 79612
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 8.3 3.2 4.8#





#90
 Benzo(a)pyrene
 Concen: 5.696 ng
 RT: 24.554 min Scan# 30
 Delta R.T. -0.023 min
 Lab File: BG061096.D
 Acq: 2 May 2024 16:46

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	16.9	25.3#
125	6.8	3.8	5.8#

