

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
 Data File : BG045261.D
 Acq On : 6 May 2020 20:19
 Operator : CG/JU
 Sample : L2513-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 07 01:06:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 12:59:59 2020
 Response via : Initial Calibration

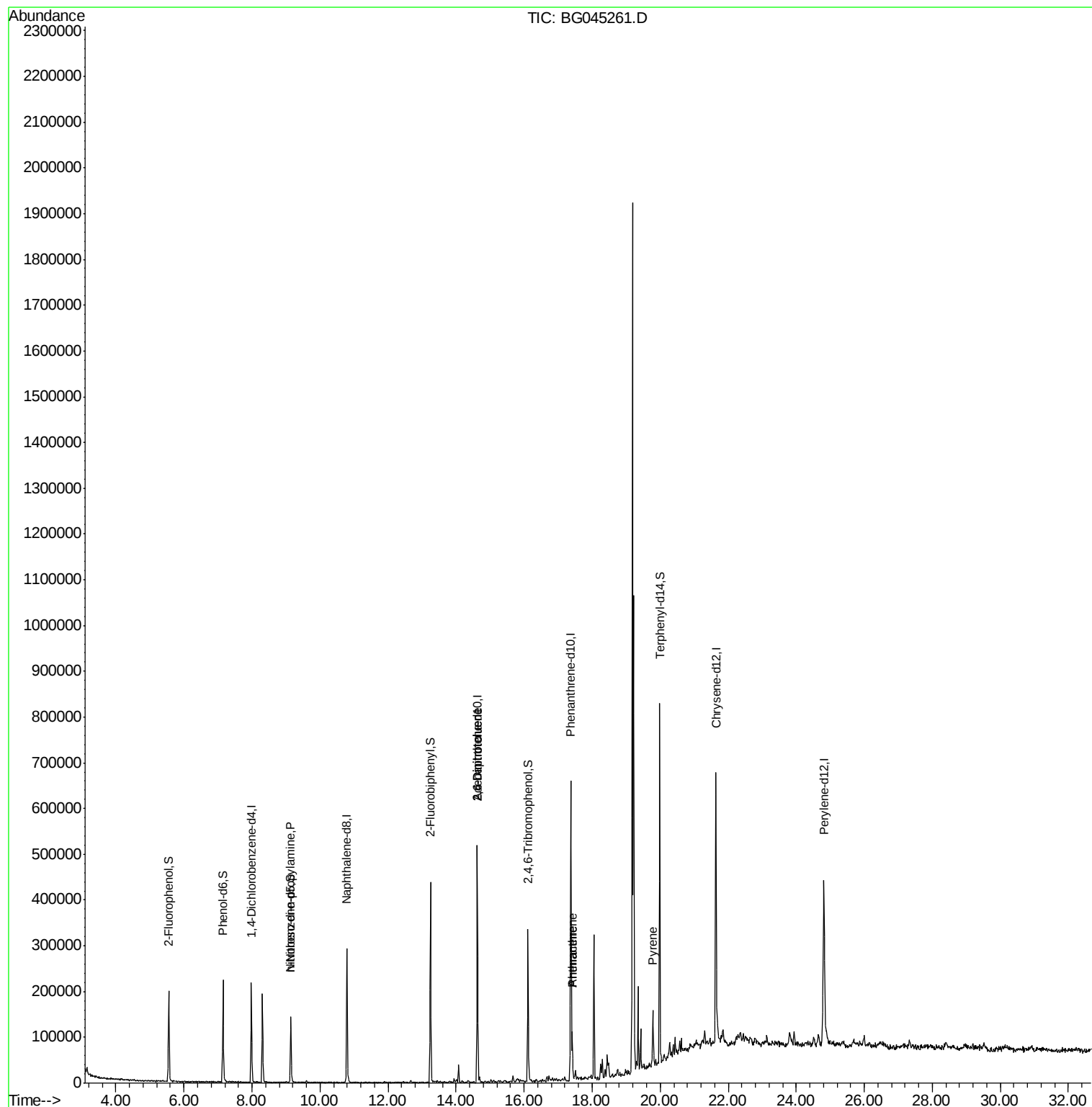
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	67446	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	266648	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	191893	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	419858	20.00	ng	0.00
76) Chrysene-d12	21.64	240	374709	20.00	ng	0.00
87) Perylene-d12	24.81	264	401701	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	98657	24.15	ng	0.00
7) Phenol-d6	7.15	99	152057	25.05	ng	0.00
23) Nitrobenzene-d5	9.14	82	103661	17.74	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	70589	23.81	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	255724	19.54	ng	0.00
79) Terphenyl-d14	19.99	244	385885	22.45	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	269	Below Cal	#	43
19) n-Nitroso-di-n-propylamine	9.14	70	12687	2.956 ng	#	83
51) 2,6-Dinitrotoluene	14.63	165	24759	7.084 ng	#	26
57) 2,4-Dinitrotoluene	14.63	165	24759	4.848 ng	#	23
69) Atrazine	16.83	200	60	Below Cal	#	35
71) Phenanthrene	17.42	178	62457	2.895 ng		95
72) Anthracene	17.42	178	62457	2.886 ng		96
74) Di-n-butylphthalate	18.34	149	1626	Below Cal	#	76
75) Fluoranthene	19.42	202	50763	Below Cal		99
77) Benizidine	19.77	184	246	Below Cal	#	1
78) Pyrene	19.79	202	85488	3.309 ng		95

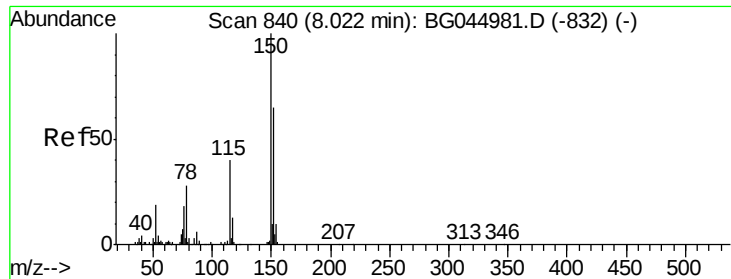
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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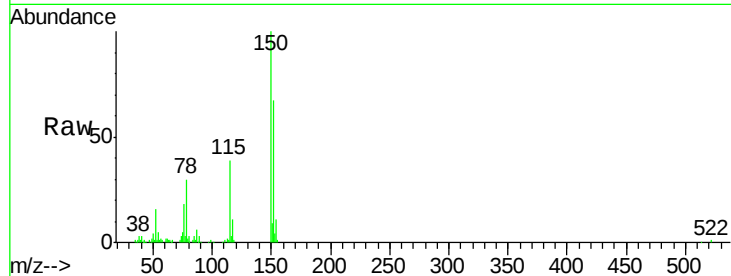


#1

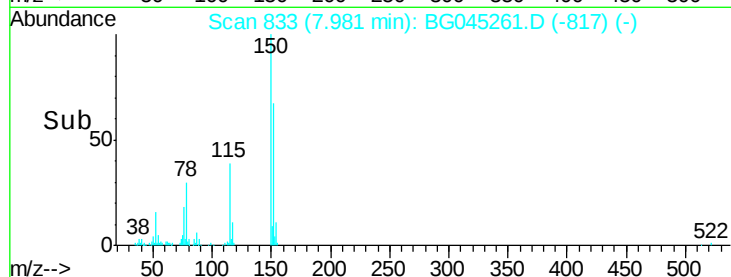
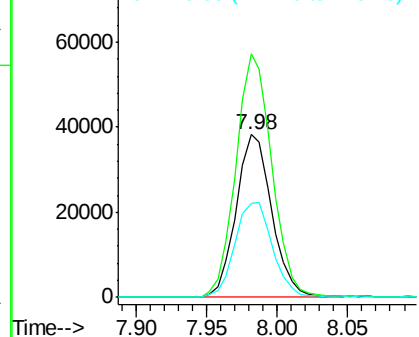
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.98 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 67446
 Ion Ratio Lower Upper
 152 100
 150 149.8 123.6 185.4
 115 58.1 49.1 73.7



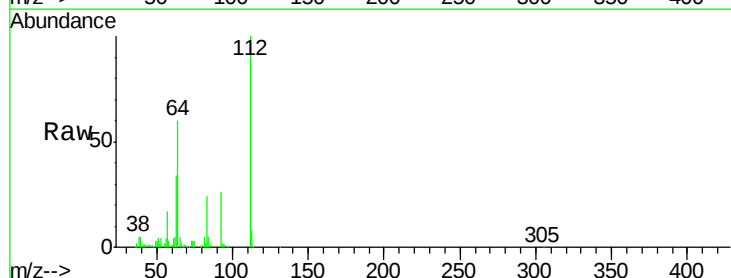
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



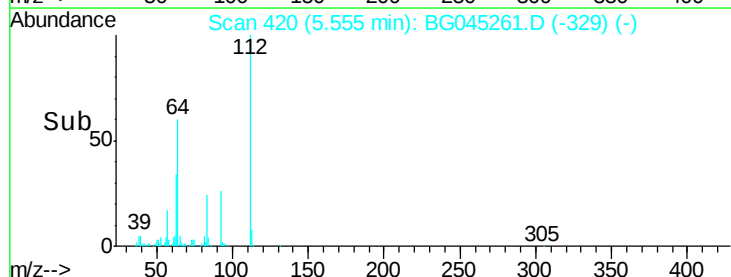
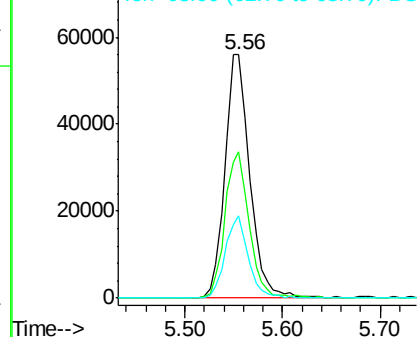
#5

2-Fluorophenol
 Concen: 24.149 ng
 RT: 5.56 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

Tgt Ion:112 Resp: 98657
 Ion Ratio Lower Upper
 112 100
 64 60.0 42.4 63.6
 63 34.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 25.052 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

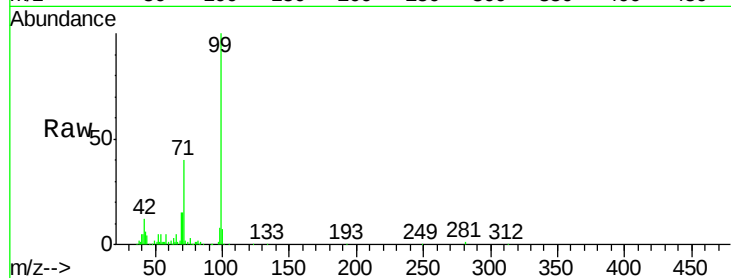
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 152057

Ion	Ratio	Lower	Upper
99	100		
42	12.1	11.3	16.9
71	39.7	28.3	42.5

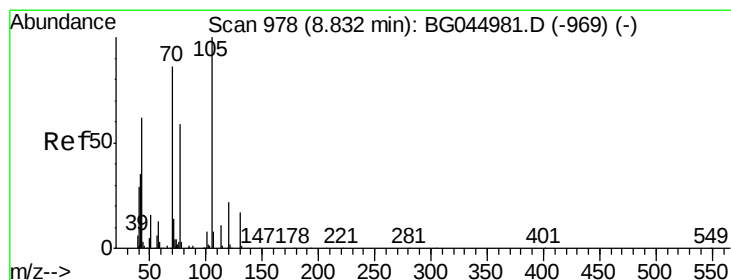
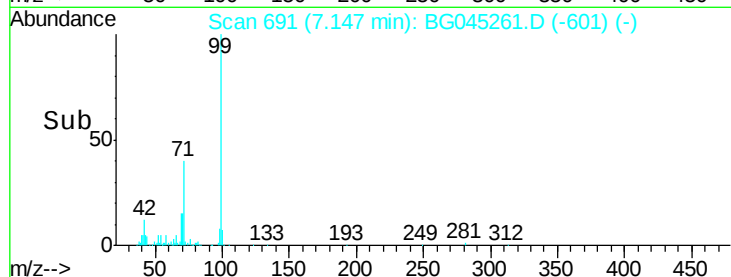
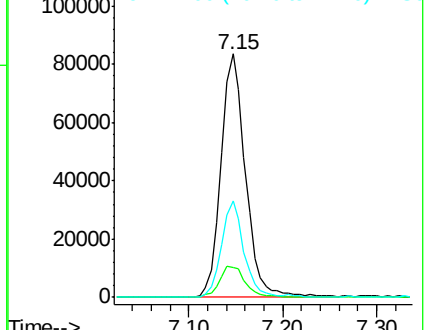


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 2.956 ng

RT: 9.14 min Scan# 1031

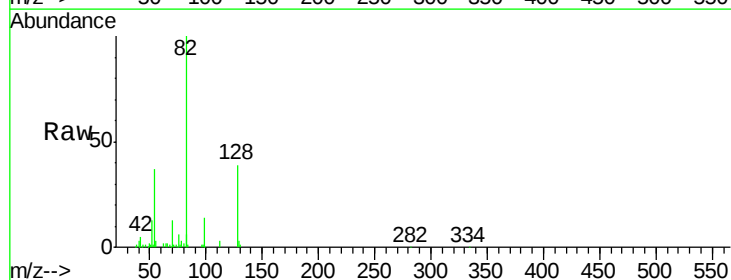
Delta R.T. 0.35 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

Tgt Ion: 70 Resp: 12687

Ion	Ratio	Lower	Upper
70	100		
42	37.4	33.3	49.9
101	0.0	7.8	11.8#
130	4.9	15.8	23.6#



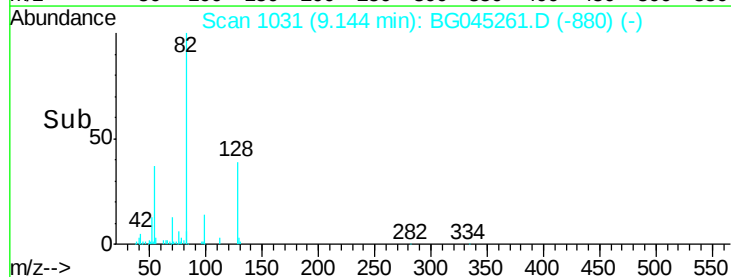
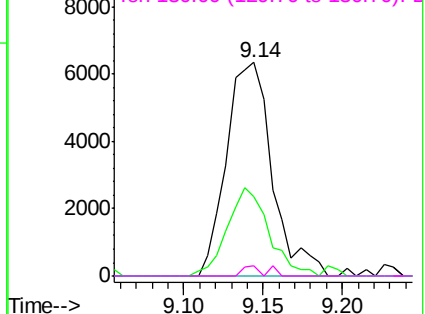
Abundance

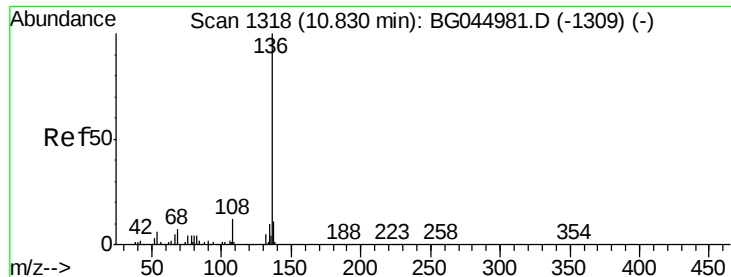
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

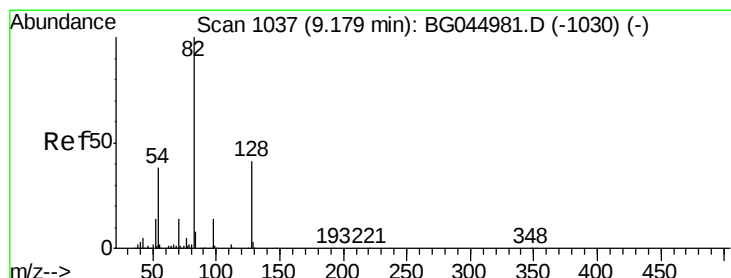
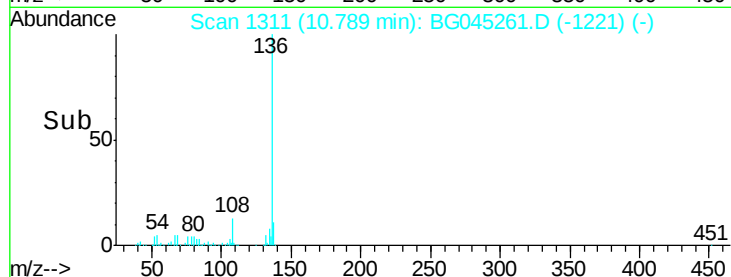
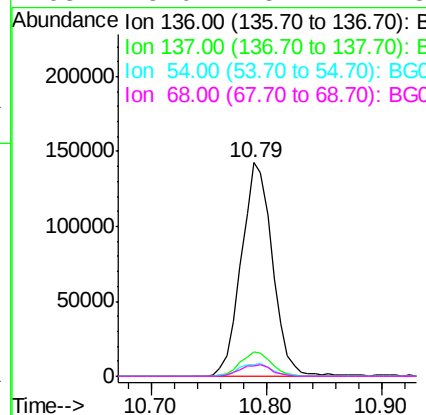
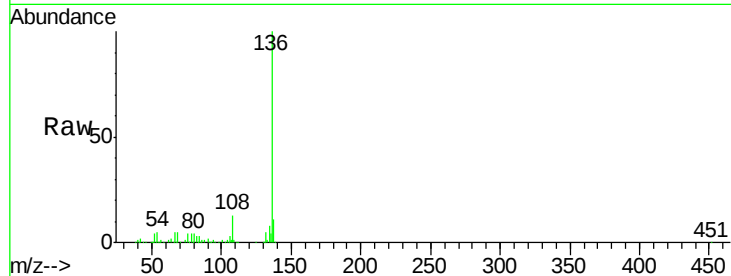




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045261.D
Acq: 6 May 2020 20:19

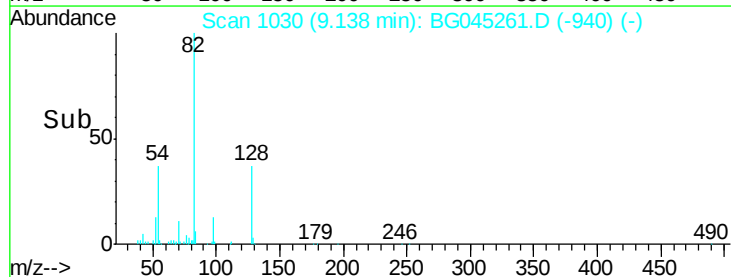
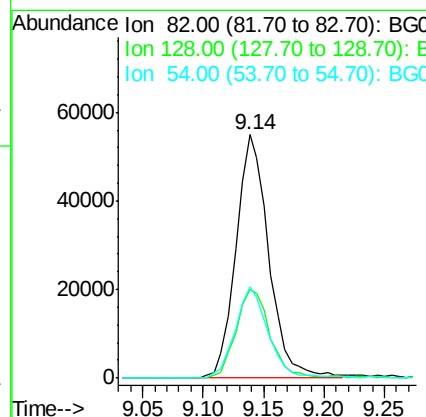
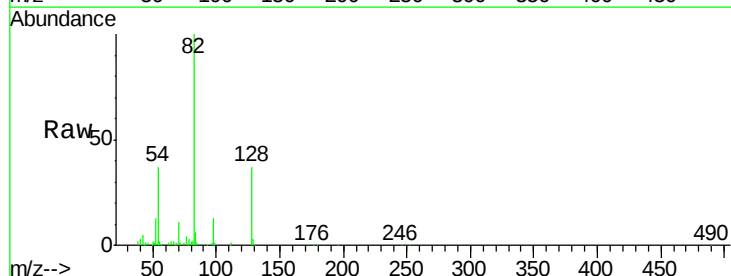
Instrument :
BNA_G
ClientSampleId :

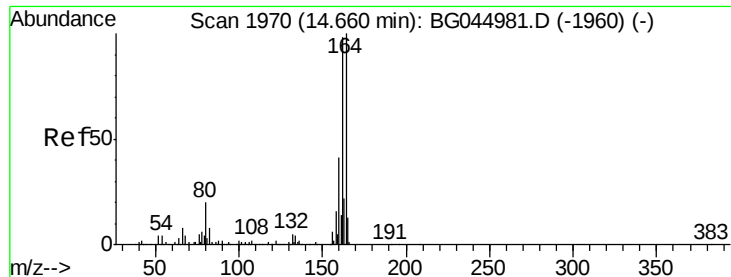
Tot Ion:136	Resp:	266648
Ion Ratio	Lower	Upper
136	100	
137	11.5	8.6 13.0
54	5.5	4.8 7.2
68	5.0	5.2 7.8



#23
Nitrobenzene-d5
Concen: 17.738 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045261.D
Acq: 6 May 2020 20:19

Tgt Ion: 82	Resp:	103661
Ion Ratio	Lower	Upper
82	100	
128	36.7	33.0 49.4
54	37.3	30.4 45.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

Instrument :

BNA_G

ClientSampleId :

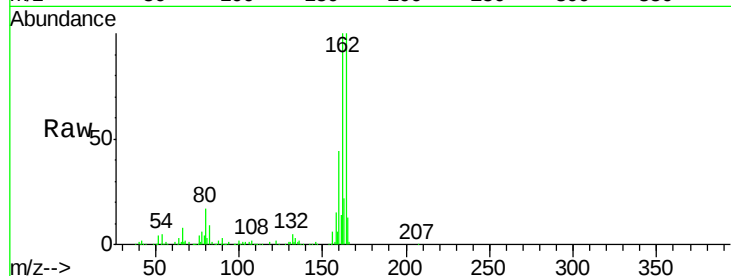
Tot Ion:164 Resp: 191893

Ion Ratio Lower Upper

164 100

162 100.0 78.7 118.1

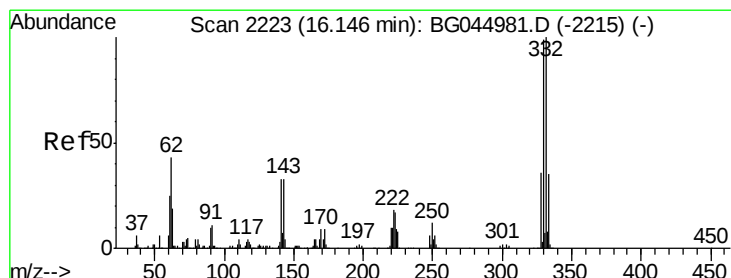
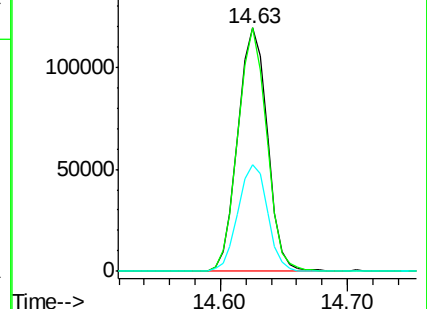
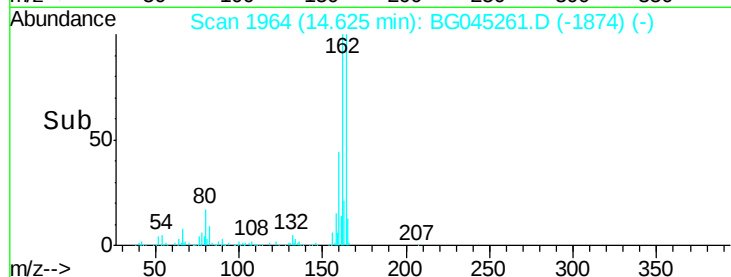
160 43.7 32.8 49.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 23.811 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

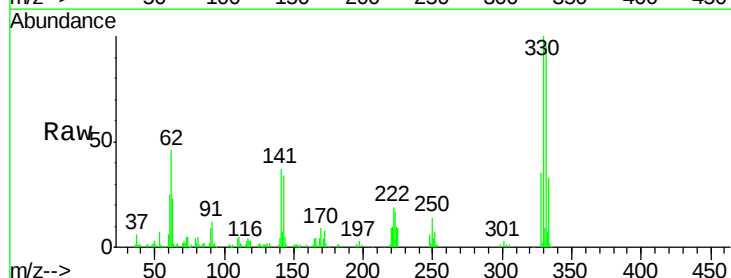
Tgt Ion:330 Resp: 70589

Ion Ratio Lower Upper

330 100

332 101.1 79.1 118.7

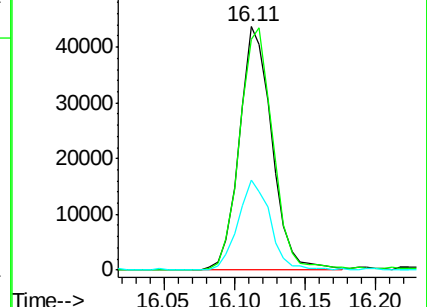
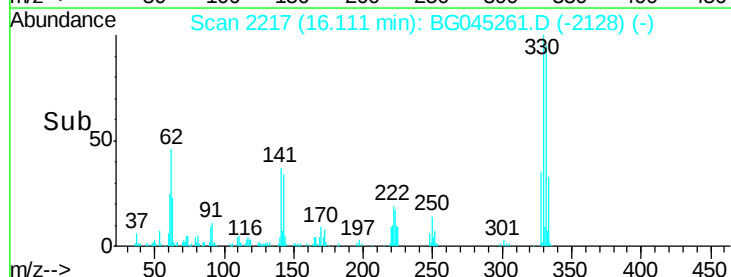
141 36.0 27.1 40.7

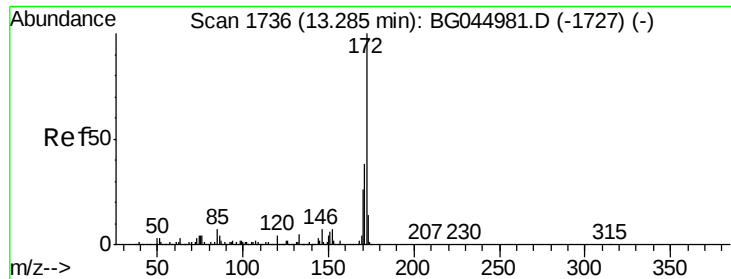


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

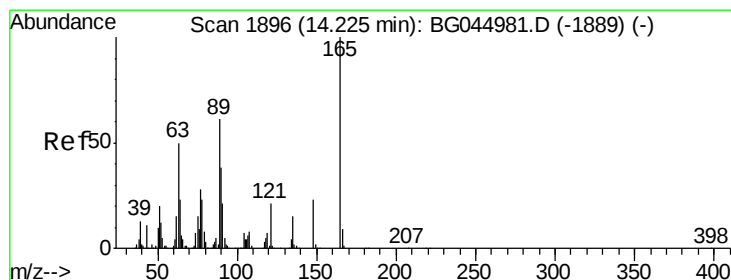
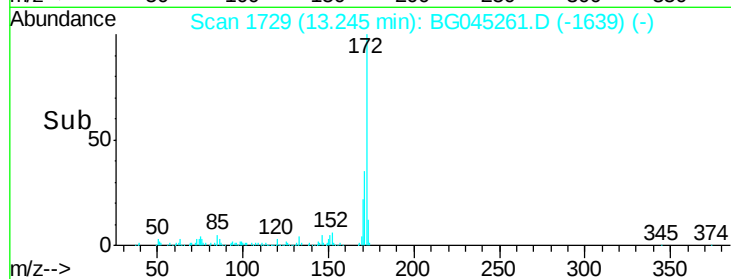
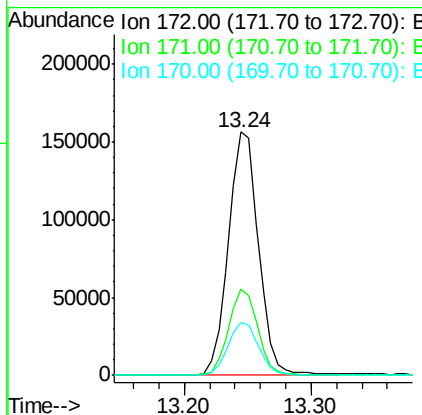
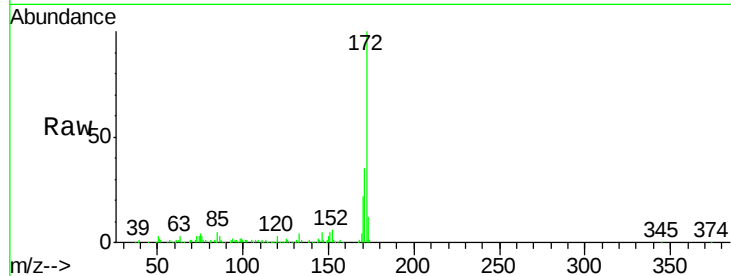




#45
 2-Fluorobiphenyl
 Concen: 19.541 ng
 RT: 13.24 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

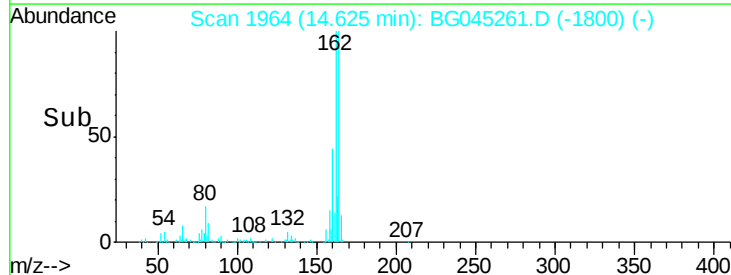
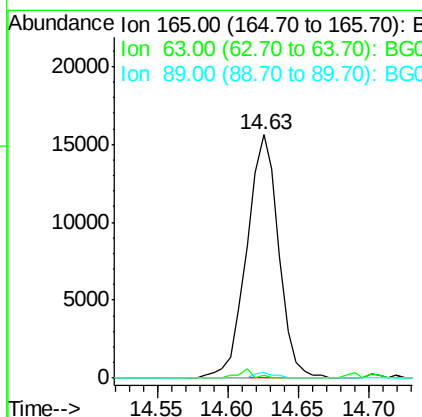
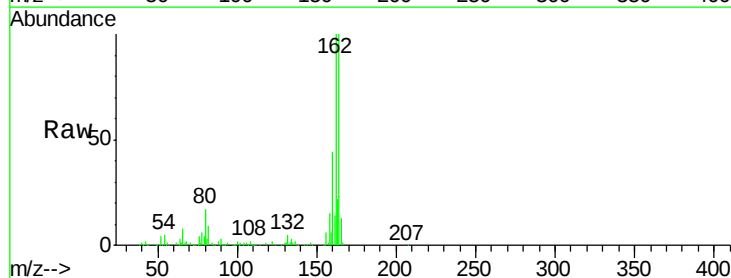
Instrument :
 BNA_G
 ClientSampleId :

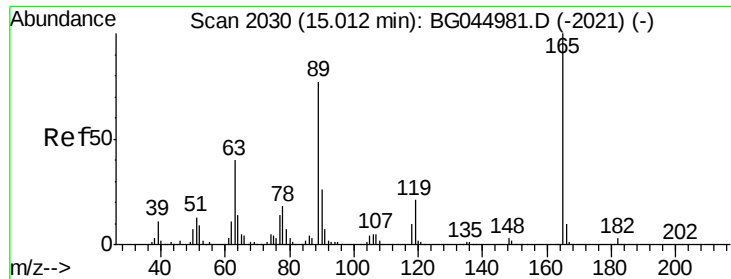
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.6	46.0
170	21.7	20.5	30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.084 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.43 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.4	60.6#
89	2.3	49.1	73.7#

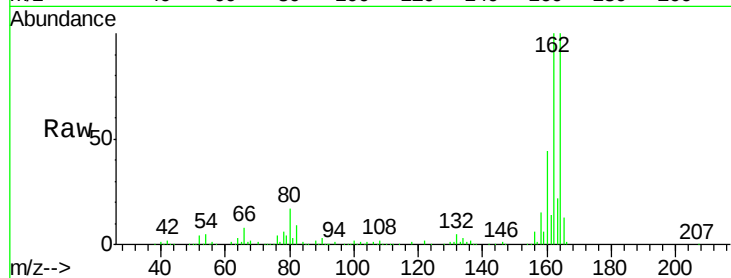




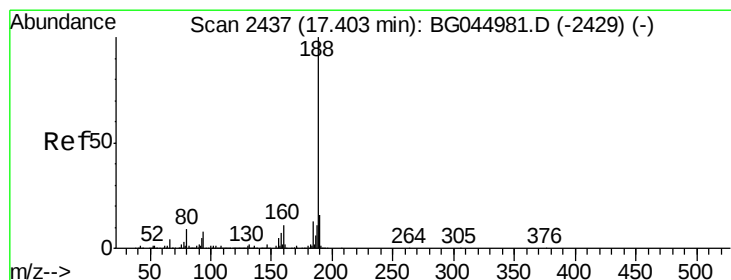
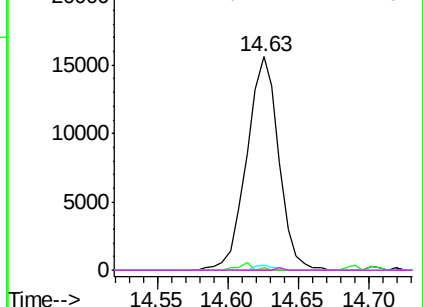
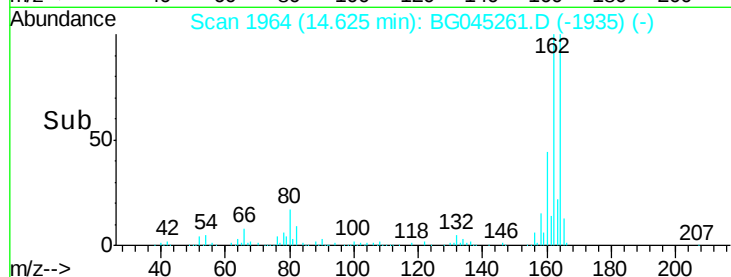
#57
 2,4-Dinitrotoluene
 Concen: 4.848 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.36 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24759
 Ion Ratio Lower Upper
 165 100
 63 1.3 32.2 48.2#
 89 2.3 61.7 92.5#
 182 0.0 2.0 3.0#

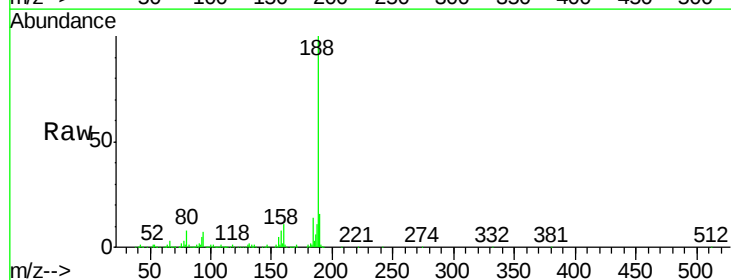


Abundance Ion 165.00 (164.70 to 165.70): E

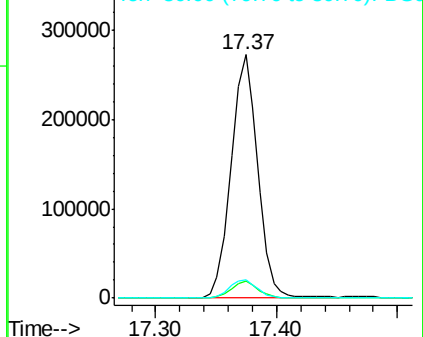
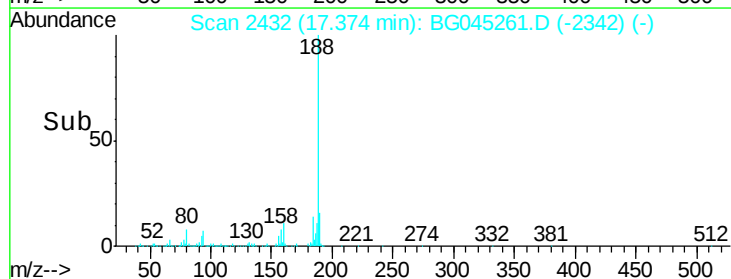


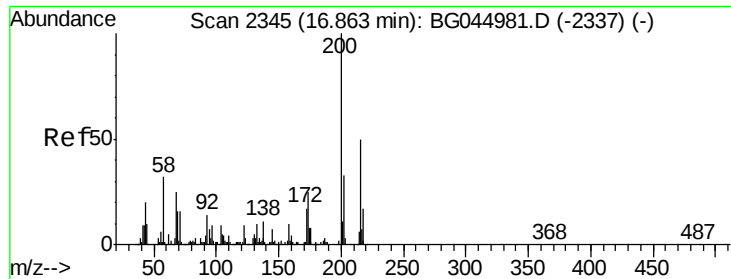
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

Tgt Ion:188 Resp: 419858
 Ion Ratio Lower Upper
 188 100
 94 6.8 6.2 9.4
 80 7.5 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.83 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BG045261.D

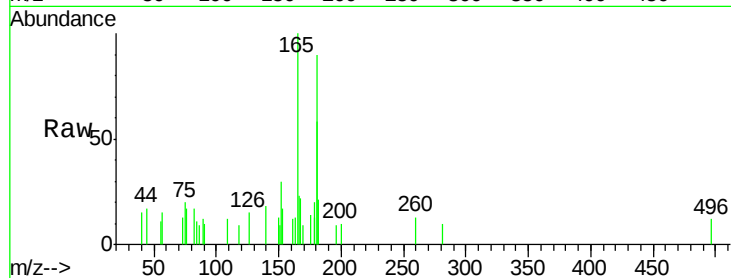
Acq: 6 May 2020 20:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#

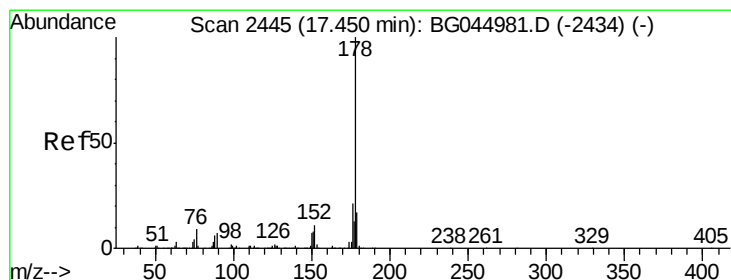
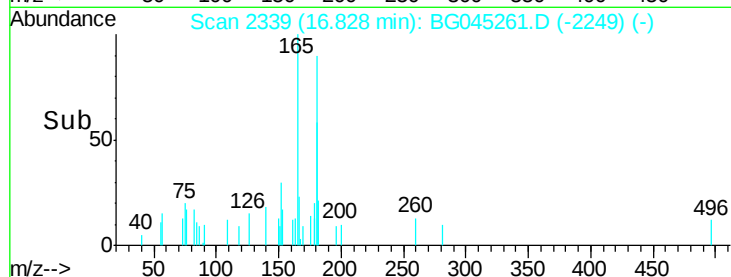
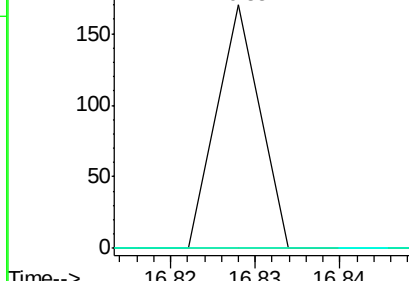


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.83



#71

Phenanthrene

Concen: 2.895 ng

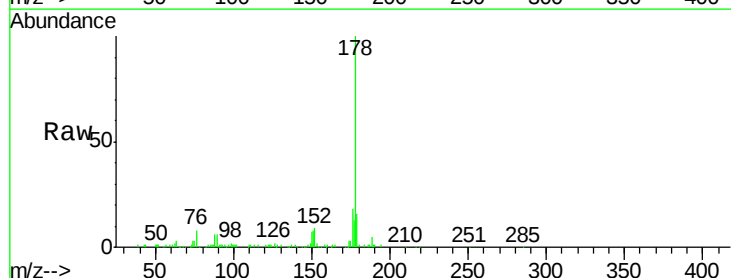
RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.8	25.2
179	15.6	13.2	19.8

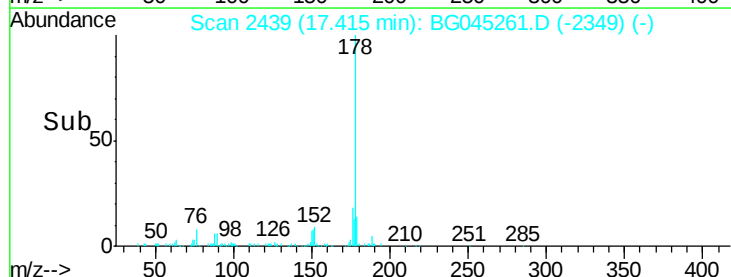
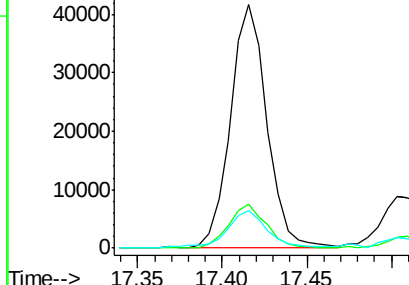


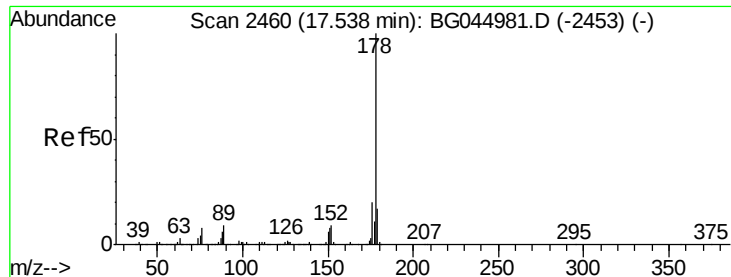
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.42





#72

Anthracene

Concen: 2.886 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.09 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

Instrument :

BNA_G

ClientSampled :

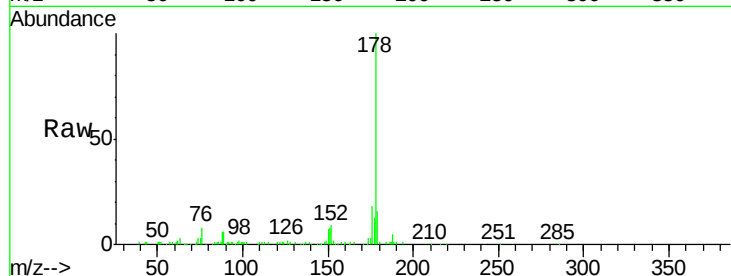
Tot Ion:178 Resp: 62457

Ion Ratio Lower Upper

178 100

176 17.9 16.0 24.0

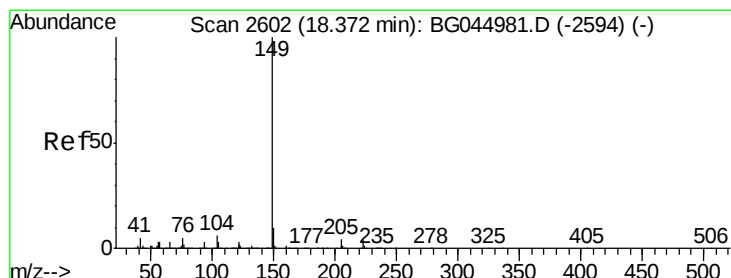
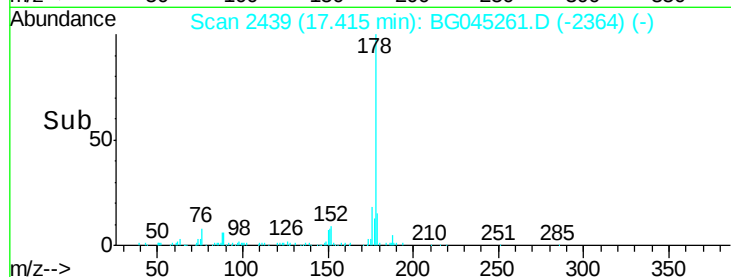
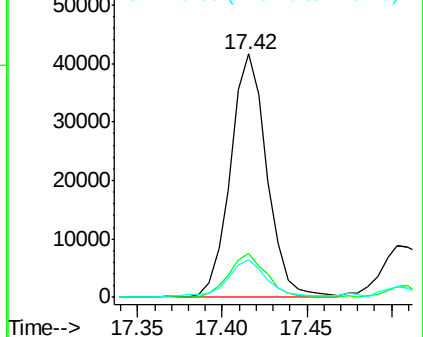
179 15.6 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

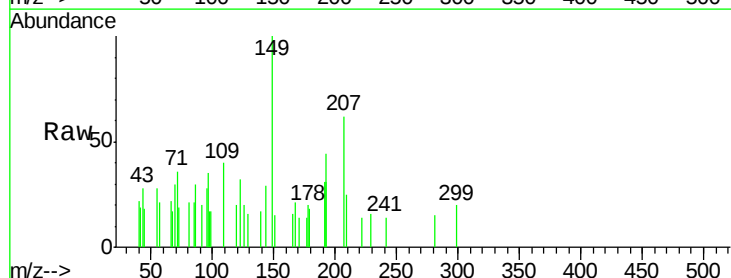
Tgt Ion:149 Resp: 1626

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

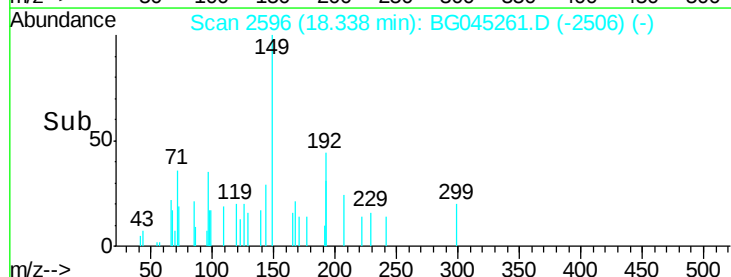
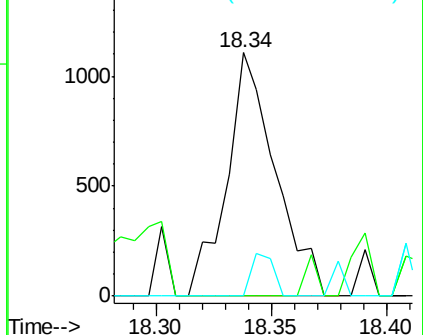
104 0.0 4.8 7.2#

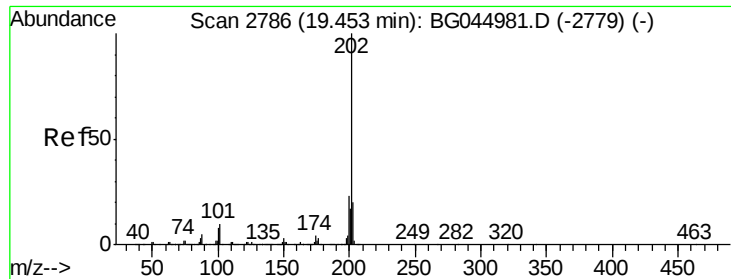


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

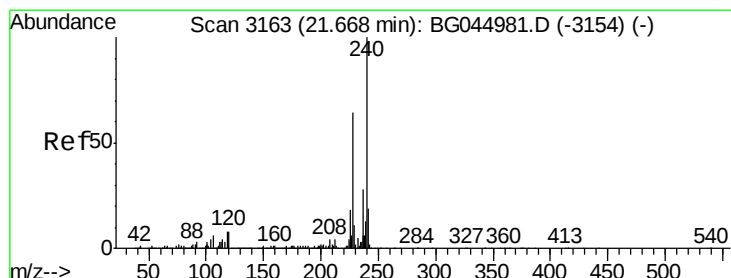
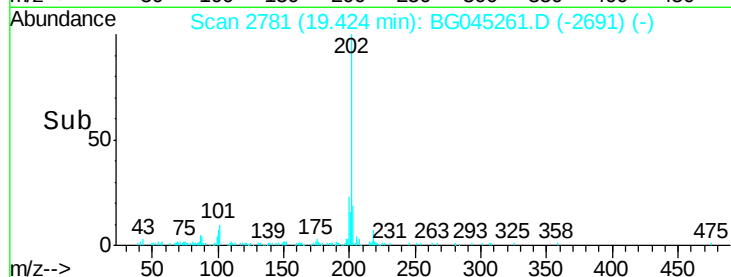
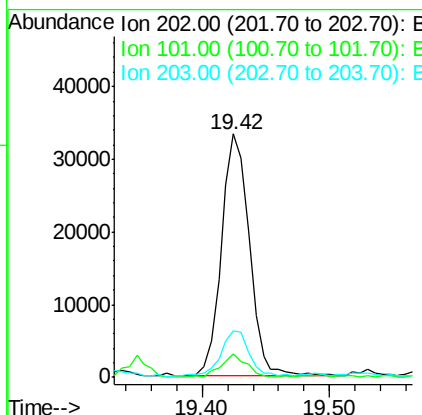
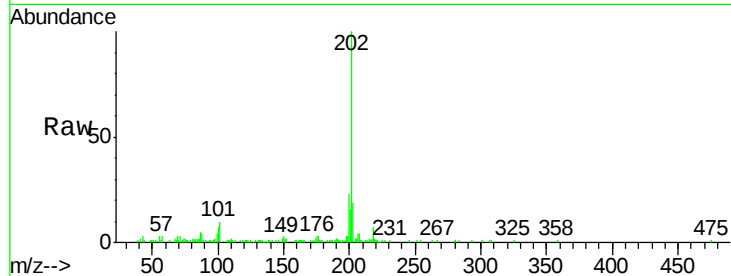




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.42 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

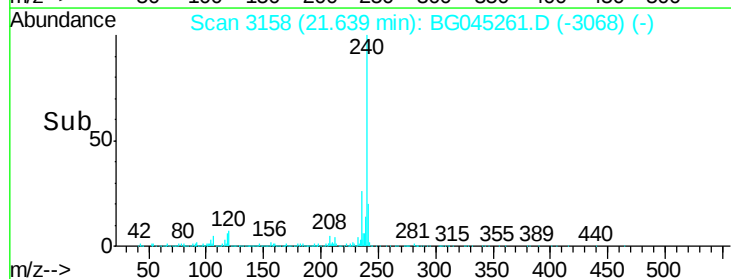
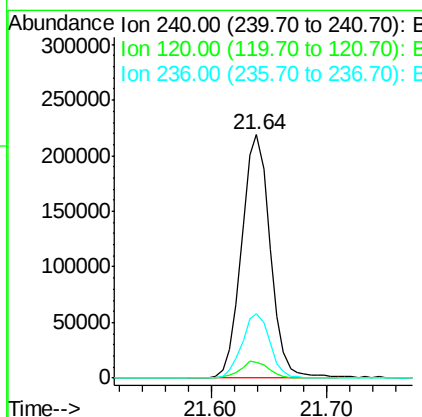
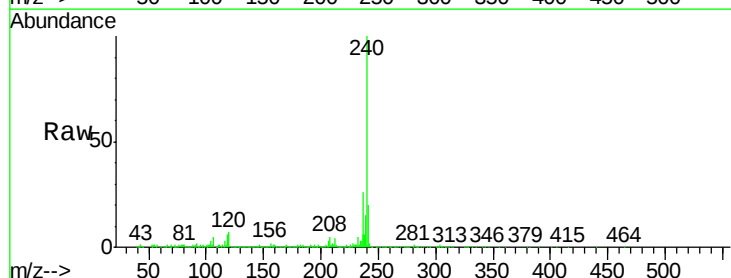
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	19.1	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: BG045261.D
 Acq: 6 May 2020 20:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.6	10.0#
236	26.4	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.77 min Scan# 2839

Delta R.T. 0.16 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

Instrument :

BNA_G

ClientSampleId :

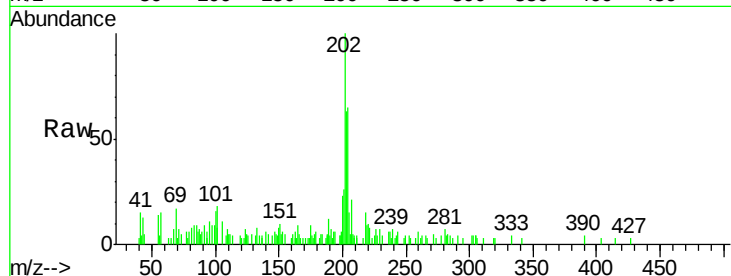
Tot Ion:184 Resp: 246

Ion Ratio Lower Upper

184 100

185 0.0 12.6 19.0#

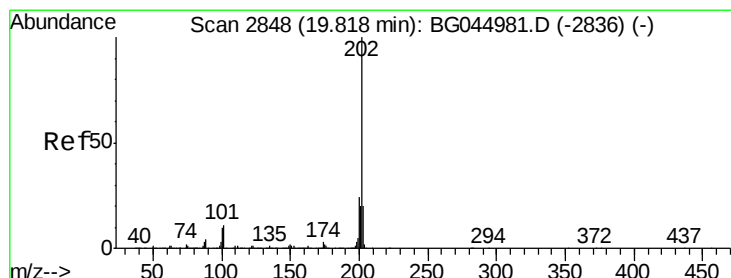
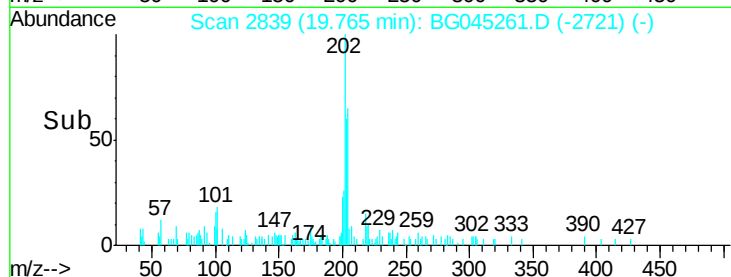
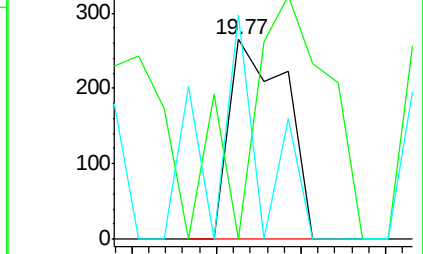
183 112.1 11.3 16.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.309 ng

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

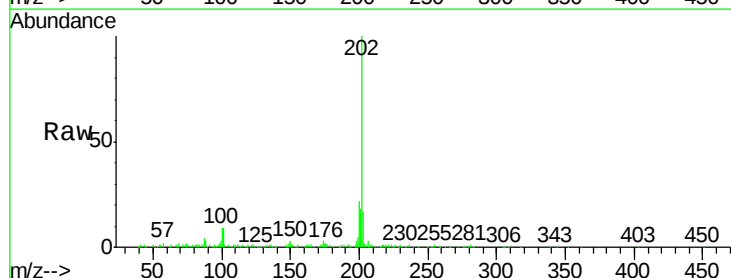
Tgt Ion:202 Resp: 85488

Ion Ratio Lower Upper

202 100

200 21.6 19.0 28.6

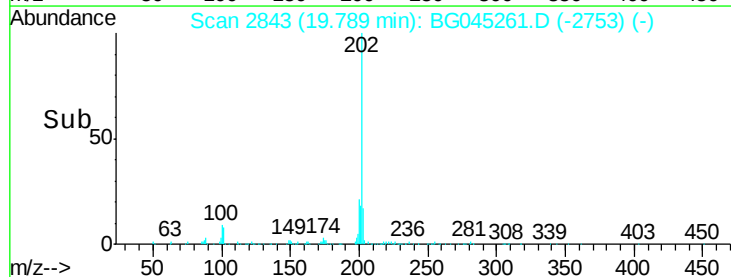
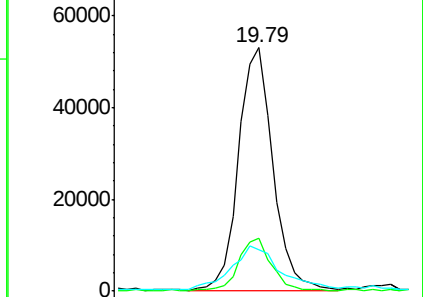
203 17.1 16.1 24.1

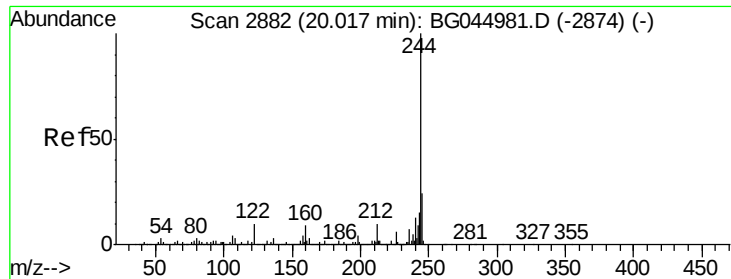


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 22.446 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

Instrument :

BNA_G

ClientSampleId :

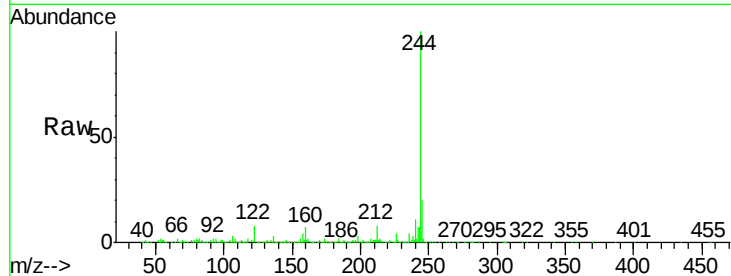
Tot Ion:244 Resp: 385885

Ion Ratio Lower Upper

244 100

212 7.9 7.9 11.9

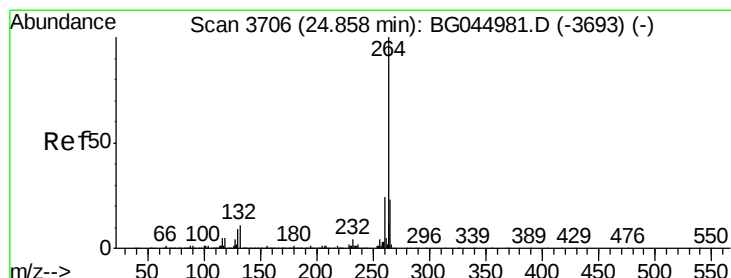
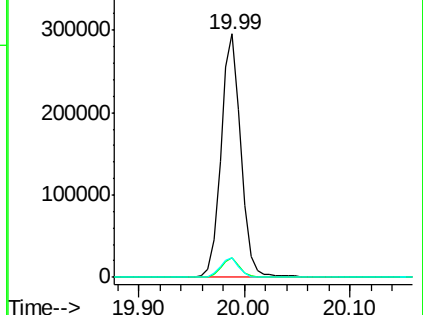
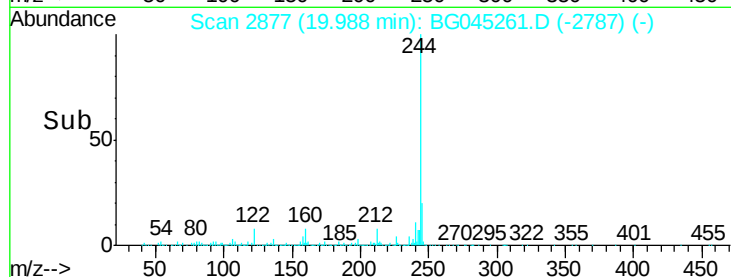
122 8.0 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.81 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BG045261.D

Acq: 6 May 2020 20:19

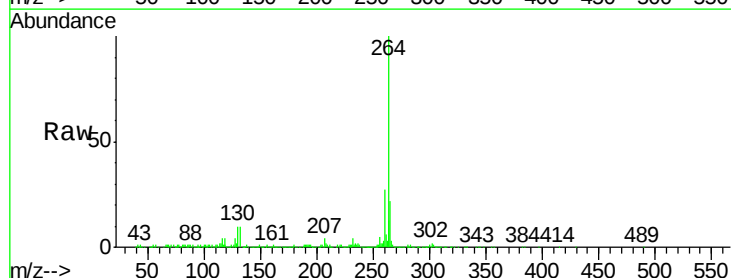
Tgt Ion:264 Resp: 401701

Ion Ratio Lower Upper

264 100

260 26.5 19.2 28.8

265 22.3 19.0 28.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

