

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051420\
 Data File : BG045390.D
 Acq On : 14 May 2020 23:12
 Operator : CG/JU
 Sample : L2604-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 15 00:40:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 13:01:16 2020
 Response via : Initial Calibration

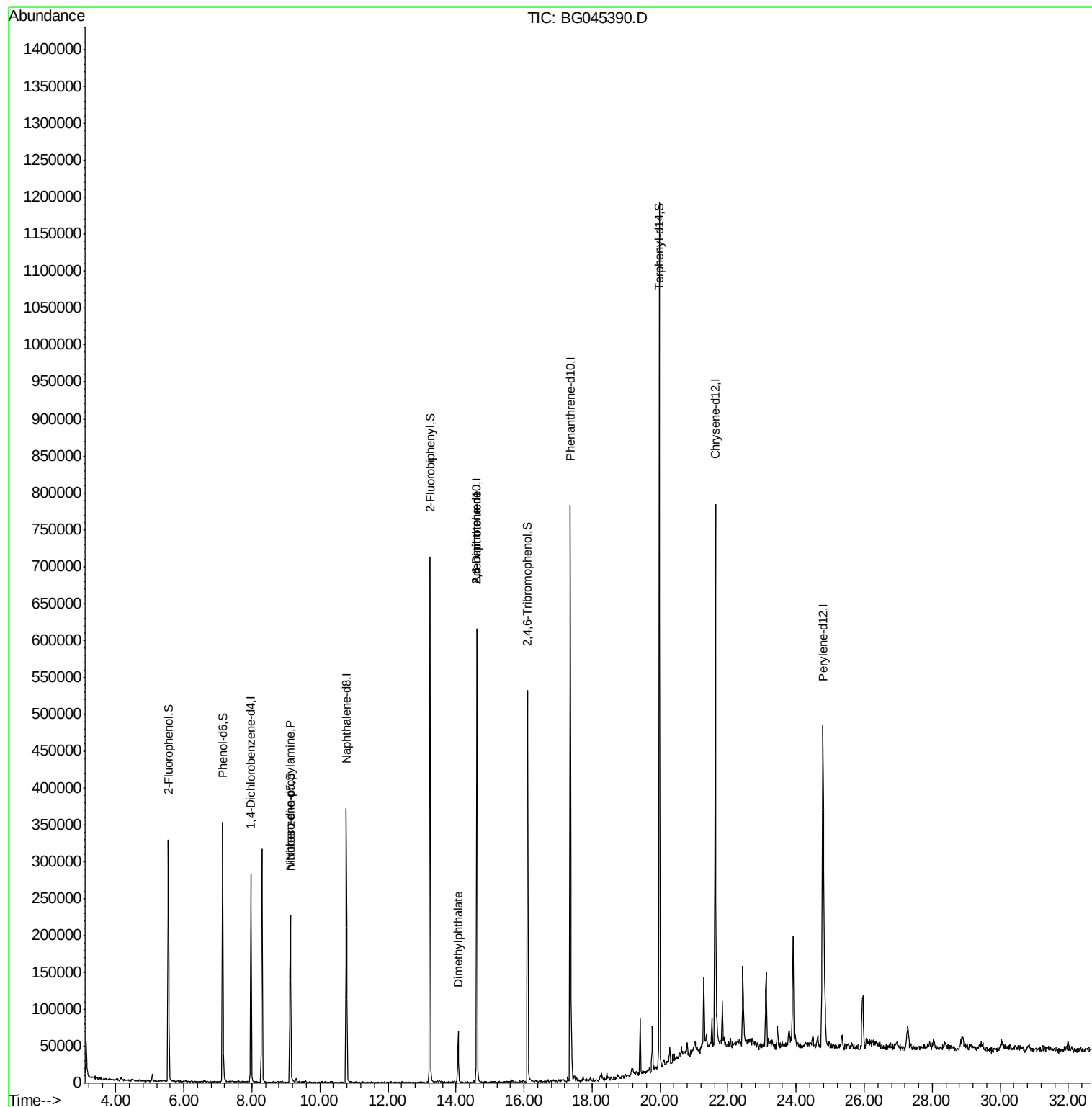
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	83663	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	337419	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	238353	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	525076	20.00	ng	0.00
76) Chrysene-d12	21.62	240	459610	20.00	ng	0.00
87) Perylene-d12	24.79	264	493910	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	161105	31.79	ng	0.00
7) Phenol-d6	7.14	99	240591	31.95	ng	0.00
23) Nitrobenzene-d5	9.13	82	162048	21.91	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	111109	30.17	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	394380	24.26	ng	0.00
79) Terphenyl-d14	19.97	244	603964	28.64	ng	0.00
Target Compounds						
9) Benzaldehyde	7.10	77	70	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	21718	4.079 ng	#	76
50) Dimethylphthalate	14.06	163	46380	2.390 ng	#	97
51) 2,6-Dinitrotoluene	14.62	165	32028	7.378 ng	#	27
57) 2,4-Dinitrotoluene	14.62	165	32028	5.049 ng	#	25
74) Di-n-butylphthalate	18.32	149	1468	Below Cal	#	84
75) Fluoranthene	19.42	202	49909	Below Cal	#	98
77) Benzidine	19.97	184	9808	Below Cal	#	87

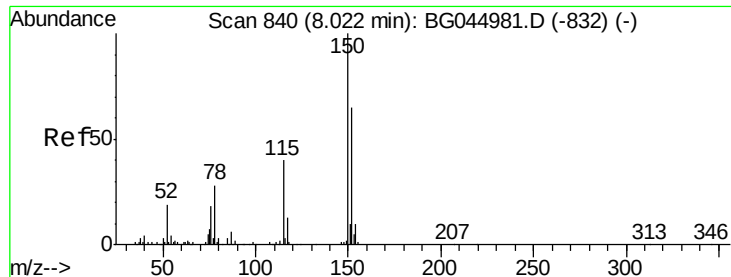
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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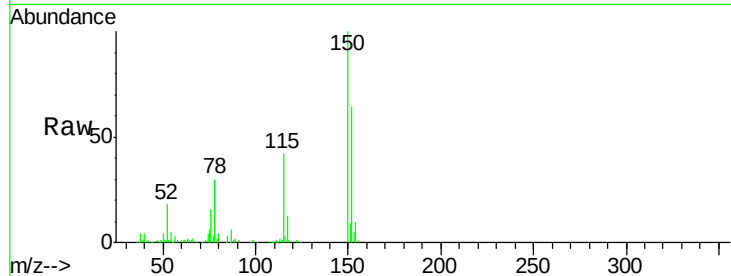


#1

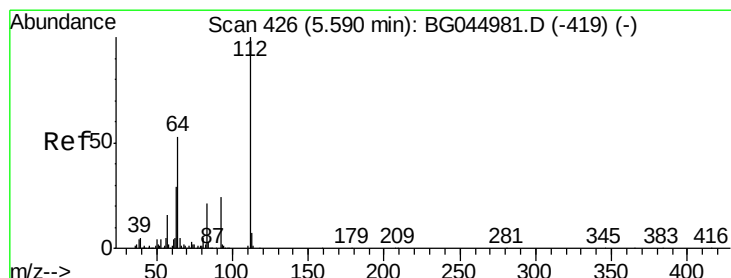
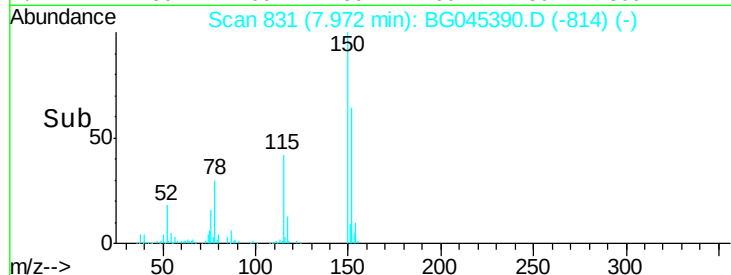
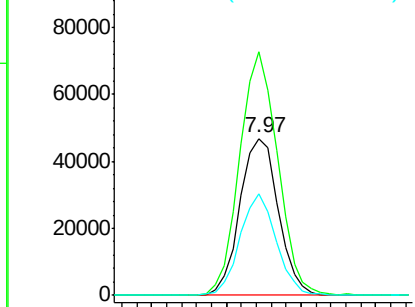
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 83663
Ion Ratio Lower Upper
152 100
150 155.4 123.6 185.4
115 64.8 49.1 73.7



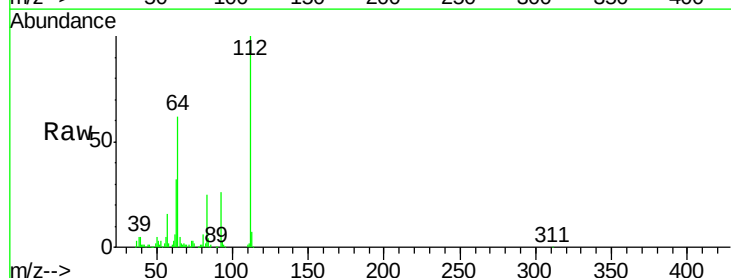
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



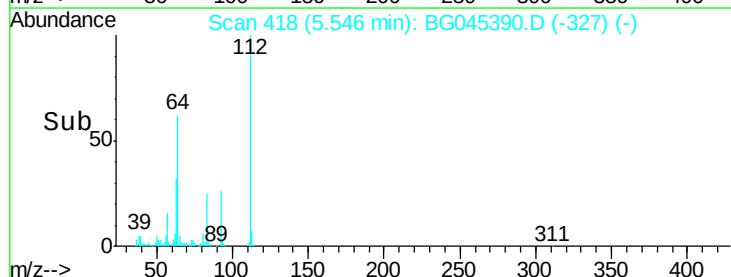
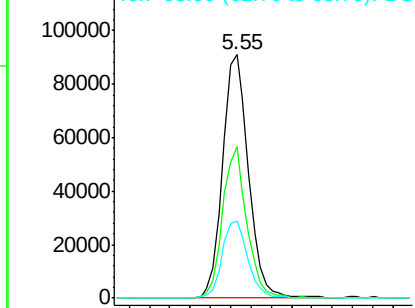
#5

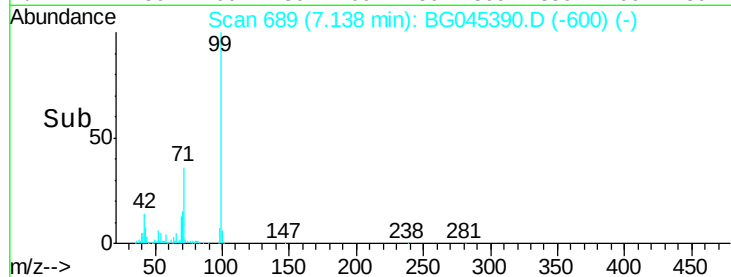
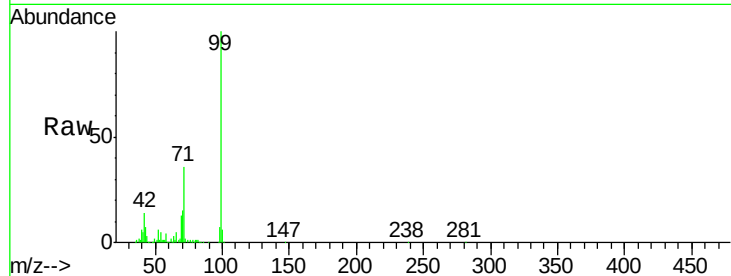
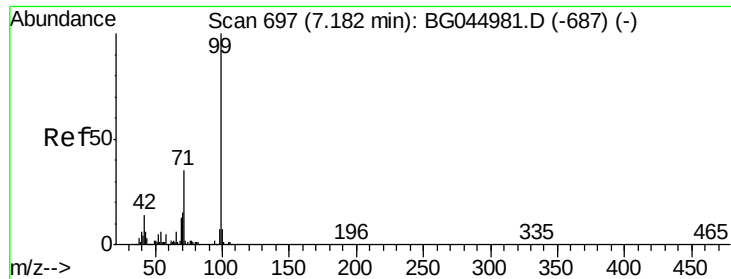
2-Fluorophenol
Concen: 31.791 ng
RT: 5.55 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

Tgt Ion:112 Resp: 161105
Ion Ratio Lower Upper
112 100
64 62.4 42.4 63.6
63 31.6 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: 31.955 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Instrument :

BNA_G

ClientSampleId :

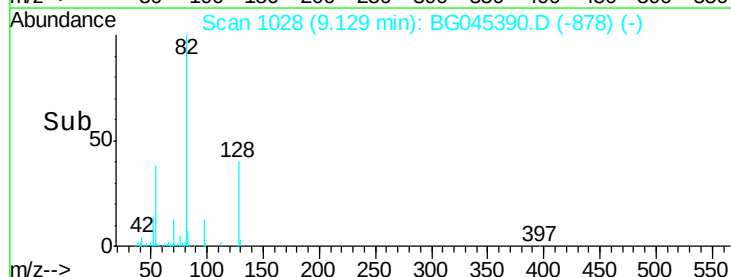
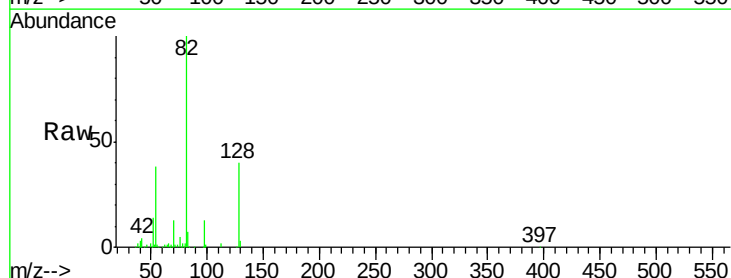
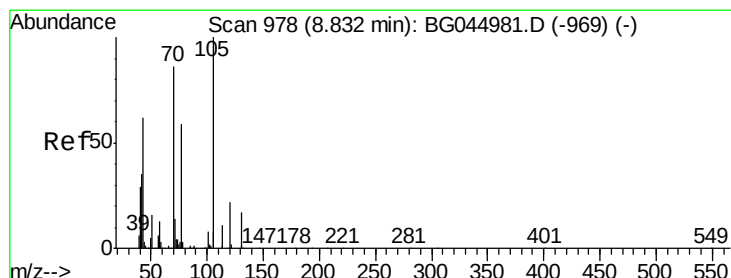
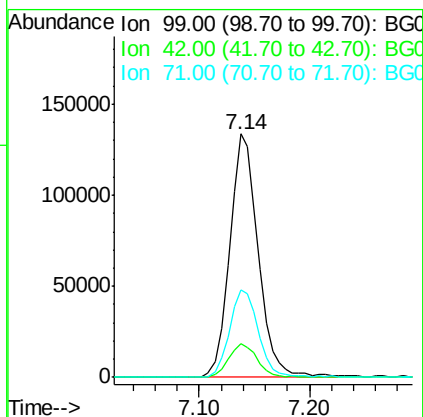
Tot Ion: 99 Resp: 240591

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

71 36.1 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 4.079 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Tgt Ion: 70 Resp: 21718

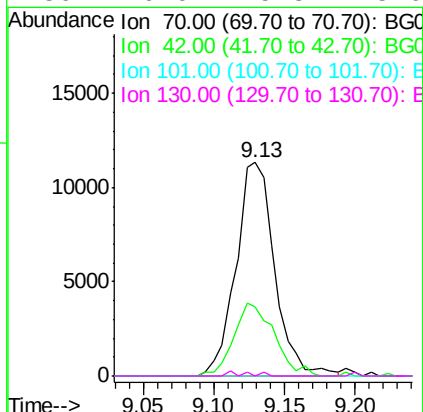
Ion Ratio Lower Upper

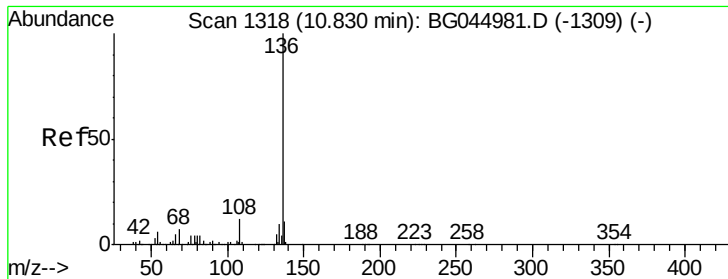
70 100

42 32.3 33.3 49.9#

101 0.0 7.8 11.8#

130 0.0 15.8 23.6#

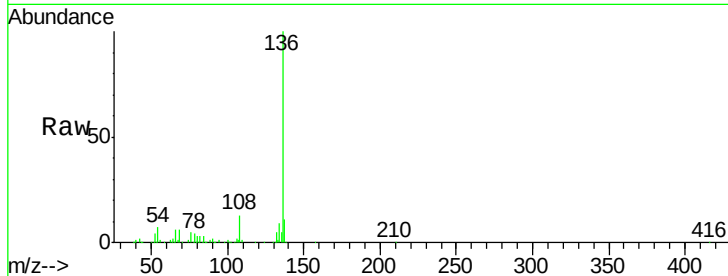




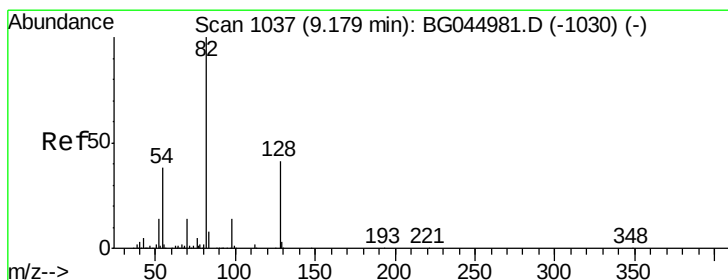
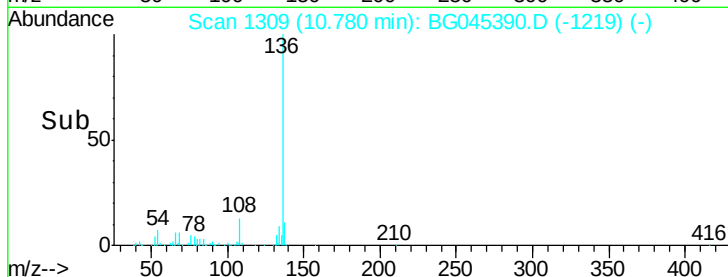
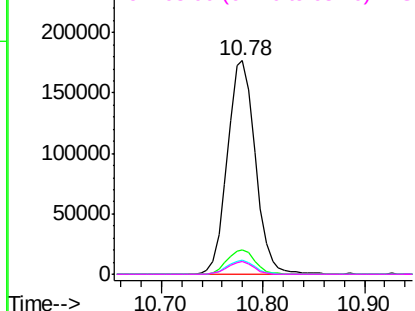
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	337419
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.6	13.0
54 6.7	4.8	7.2
68 5.8	5.2	7.8

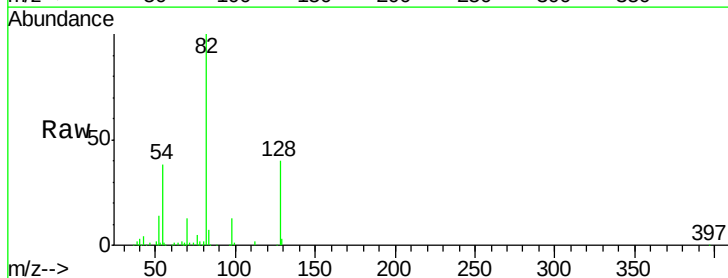


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

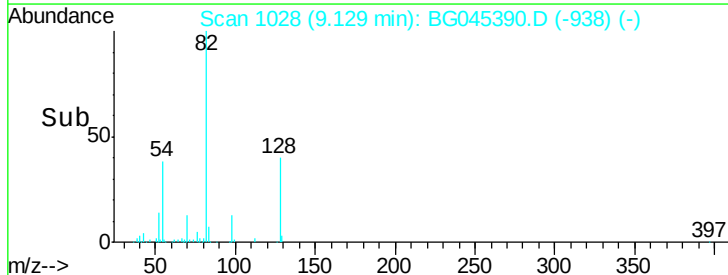
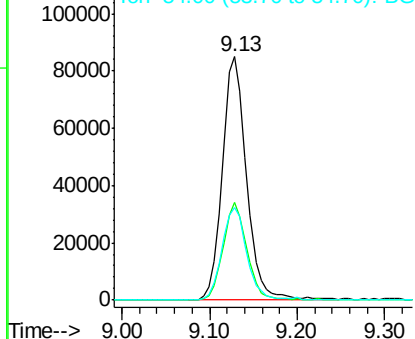


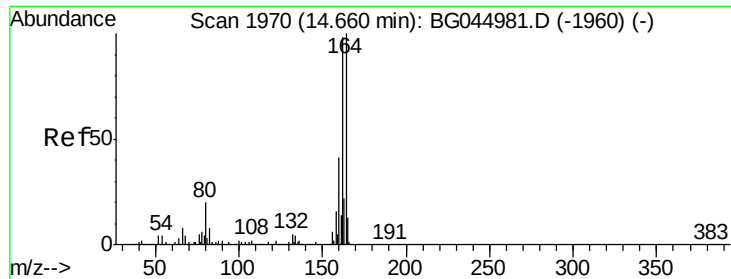
#23
Nitrobenzene-d5
Concen: 21.914 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

Tgt Ion: 82	Resp: 162048
Ion Ratio	Lower Upper
82 100	
128 40.2	33.0 49.4
54 38.2	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Instrument :

BNA_G

ClientSampleId :

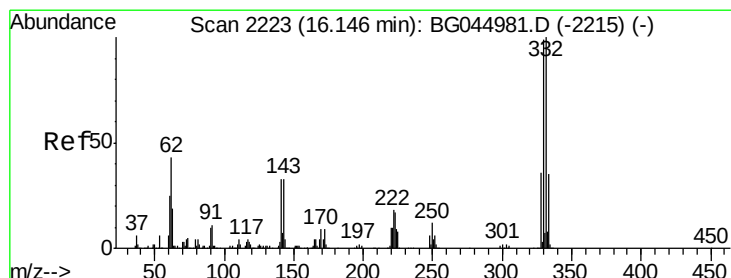
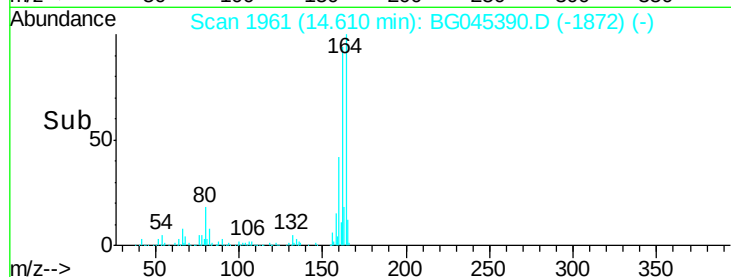
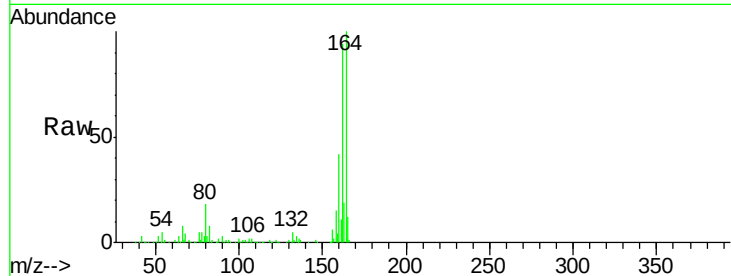
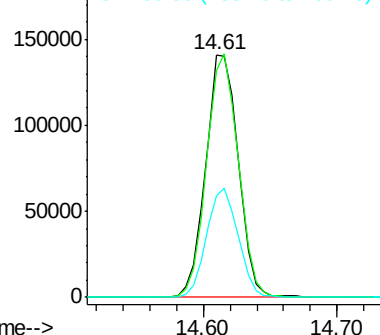
Tot Ion:164 Resp: 238353

Ion	Ratio	Lower	Upper
164	100		
162	93.9	78.7	118.1
160	41.9	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: 30.174 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

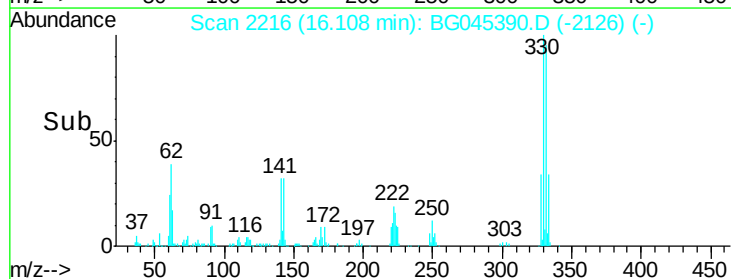
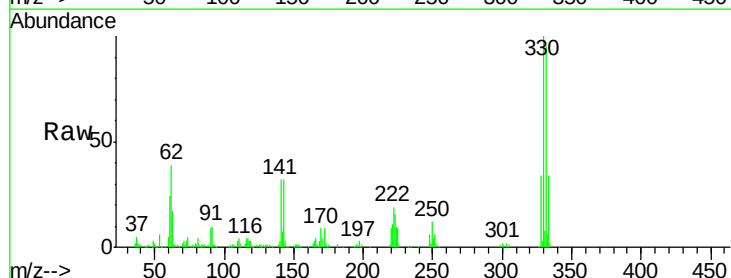
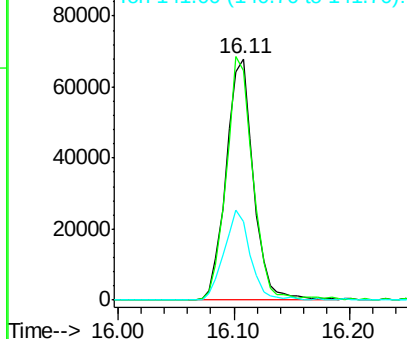
Tgt Ion:330 Resp: 111109

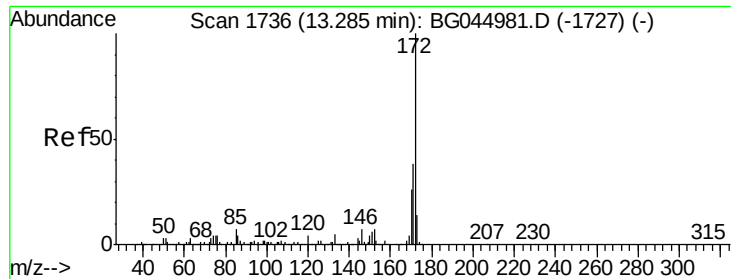
Ion	Ratio	Lower	Upper
330	100		
332	96.8	79.1	118.7
141	35.4	27.1	40.7

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

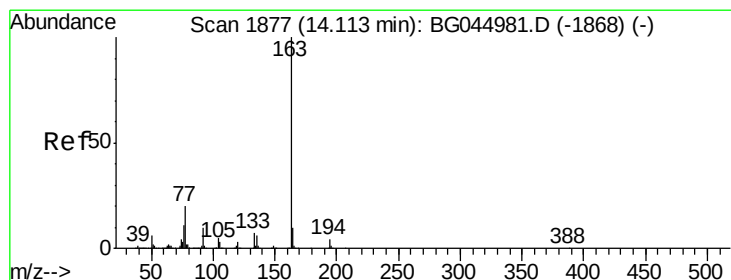
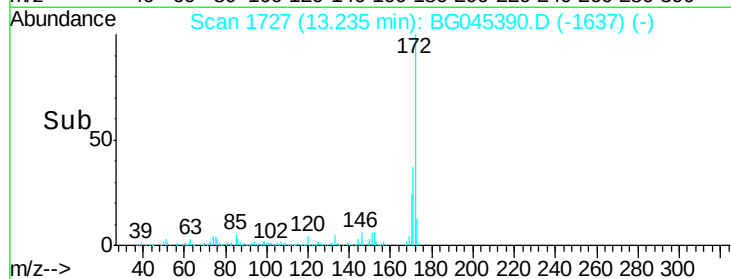
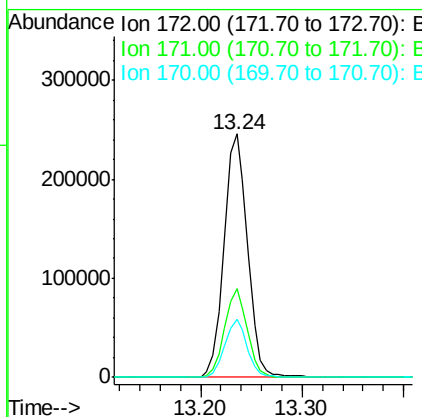
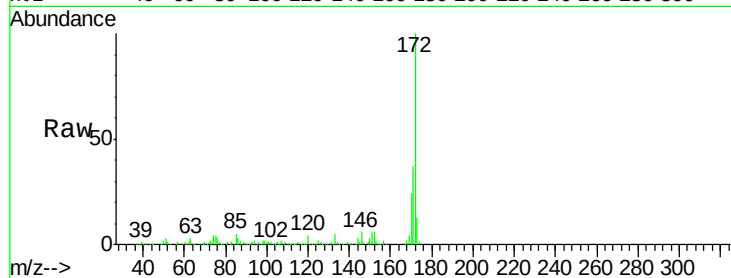




#45
2-Fluorobiphenyl
Concen: 24.262 ng
RT: 13.24 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

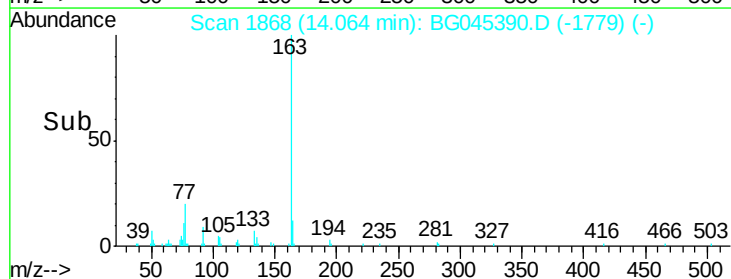
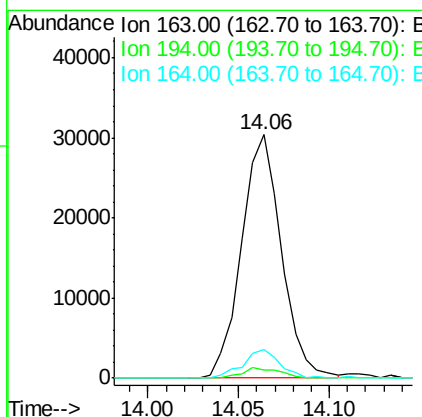
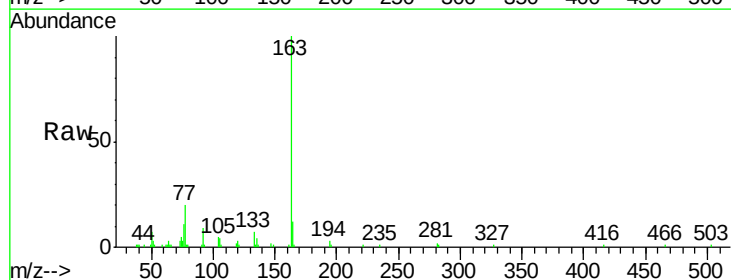
Instrument :
BNA_G
ClientSampleId :

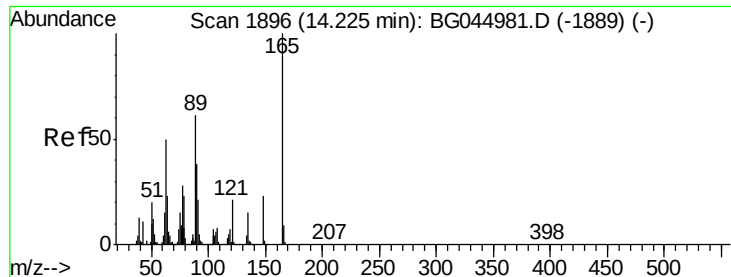
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.6	46.0
170	23.9	20.5	30.7



#50
Dimethylphthalate
Concen: 2.390 ng
RT: 14.06 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	11.6	8.2	12.4





#51

2,6-Dinitrotoluene

Concen: 7.378 ng

RT: 14.62 min Scan# 1962

Delta R.T. 0.43 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Instrument :

BNA_G

ClientSampleId :

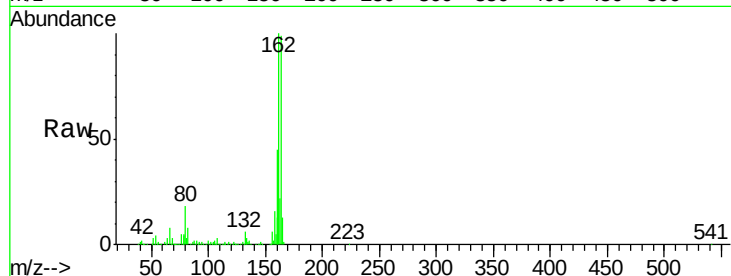
Tot Ion:165 Resp: 32028

Ion Ratio Lower Upper

165 100

63 2.9 40.4 60.6#

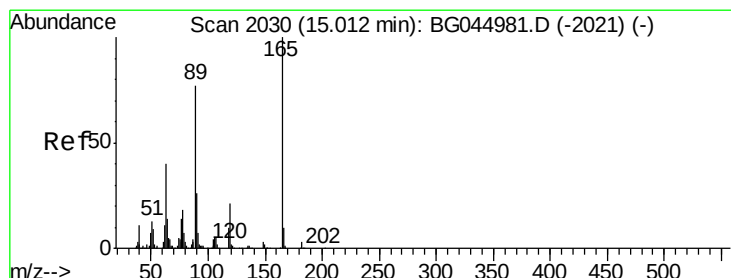
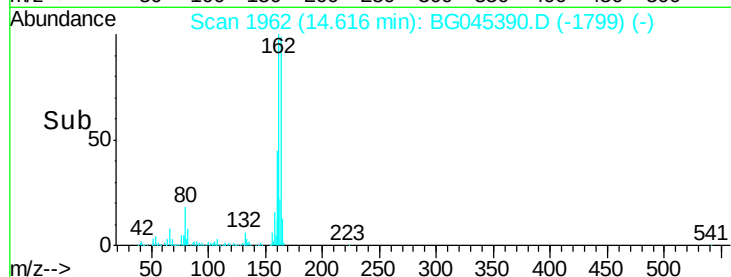
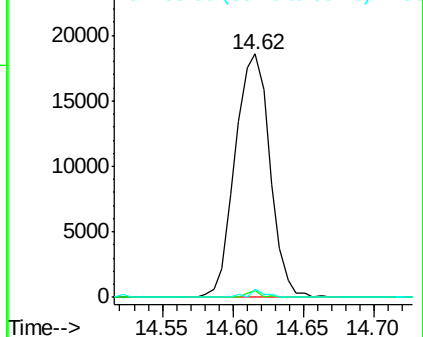
89 3.5 49.1 73.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 5.049 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Tgt Ion:165 Resp: 32028

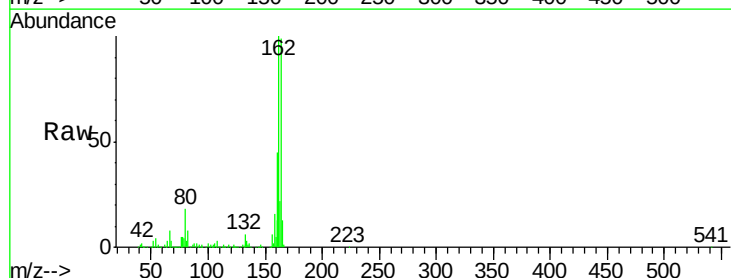
Ion Ratio Lower Upper

165 100

63 2.9 32.2 48.2#

89 3.5 61.7 92.5#

182 0.0 2.0 3.0#

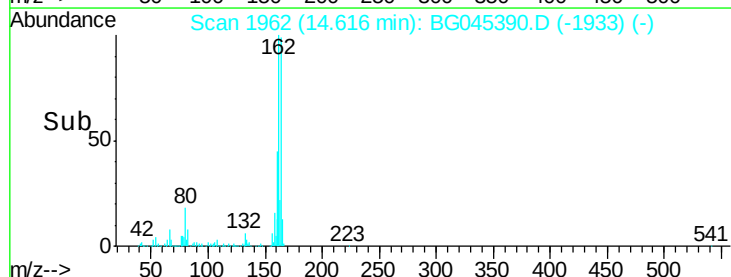
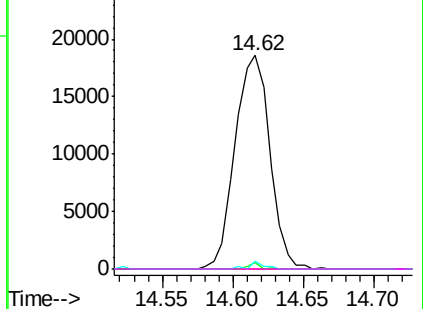


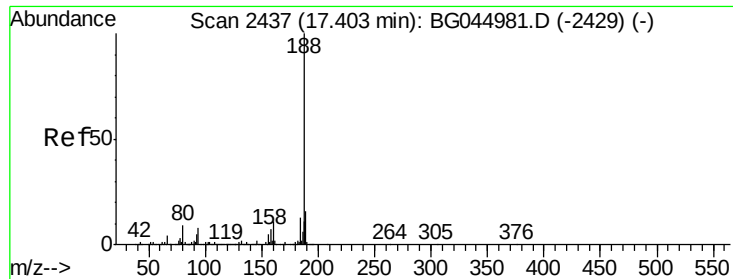
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Instrument :

BNA_G

ClientSampleId :

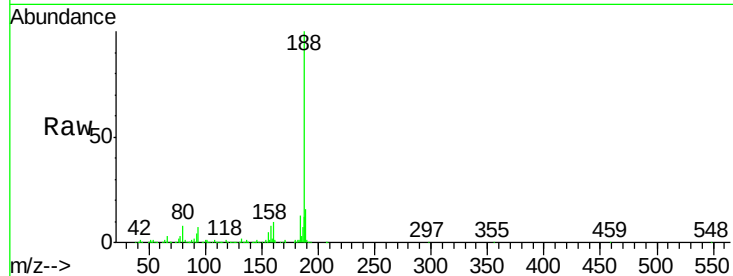
Tot Ion:188 Resp: 525076

Ion Ratio Lower Upper

188 100

94 6.8 6.2 9.4

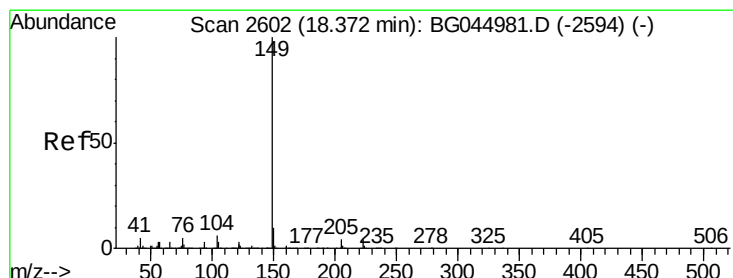
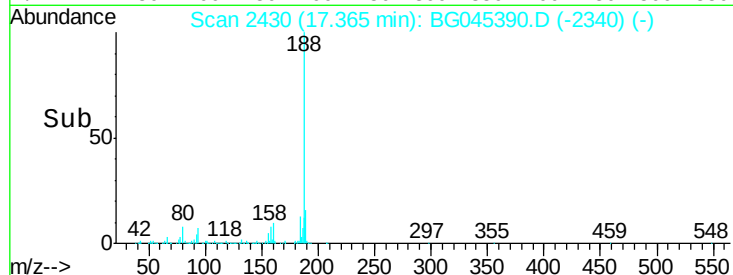
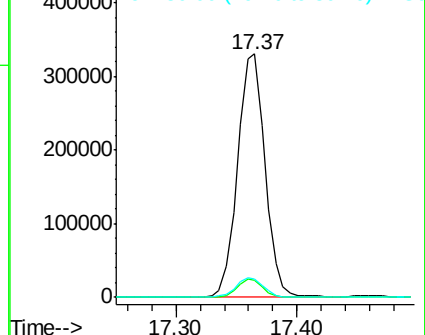
80 7.7 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.32 min Scan# 2593

Delta R.T. -0.01 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

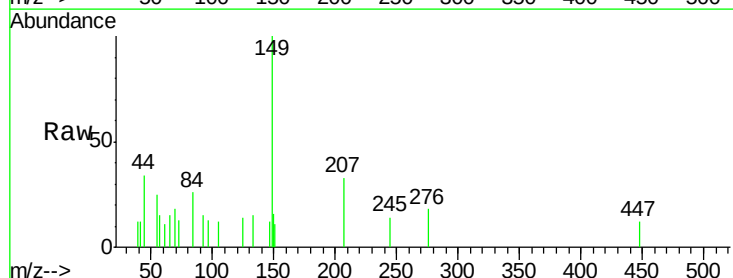
Tgt Ion:149 Resp: 1468

Ion Ratio Lower Upper

149 100

150 15.8 8.2 12.2#

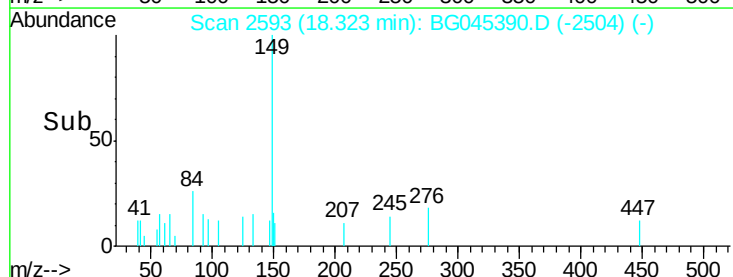
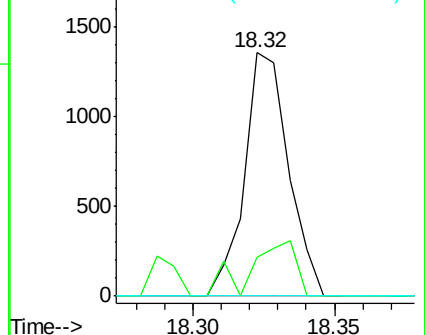
104 0.0 4.8 7.2#

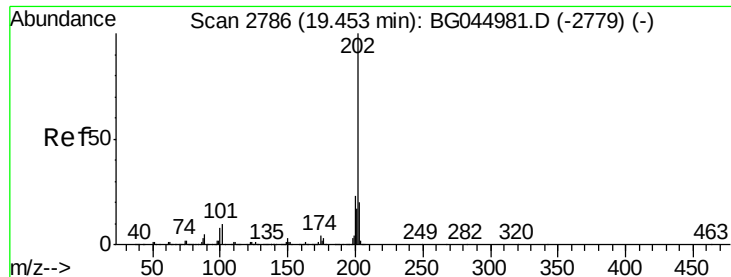


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

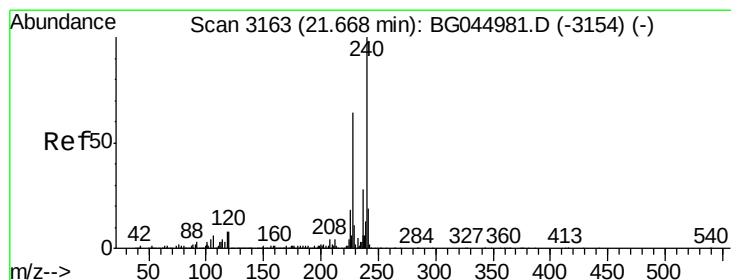
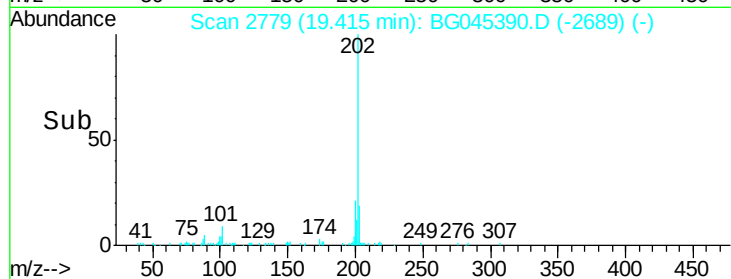
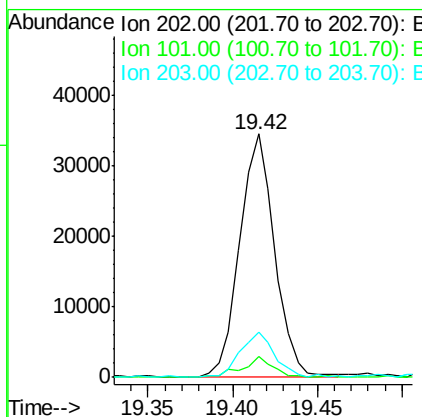
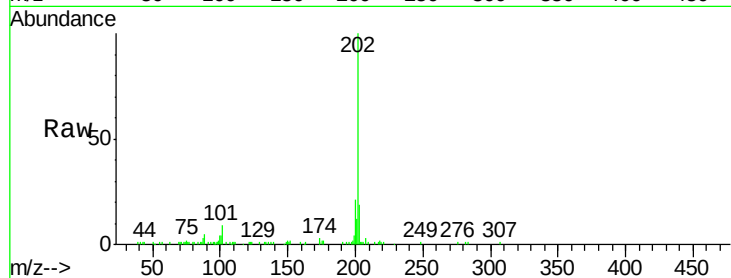




#75
Fluoranthene
Concen: Below Cal
RT: 19.42 min Scan# 2779
Delta R.T. -0.00 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

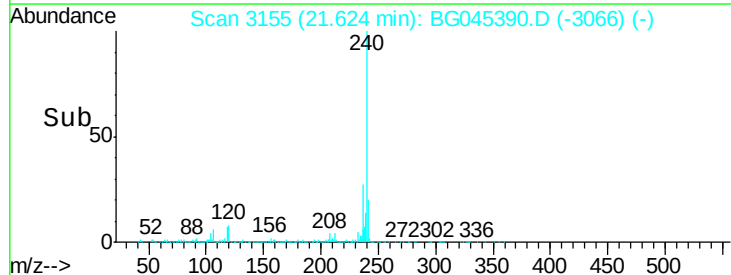
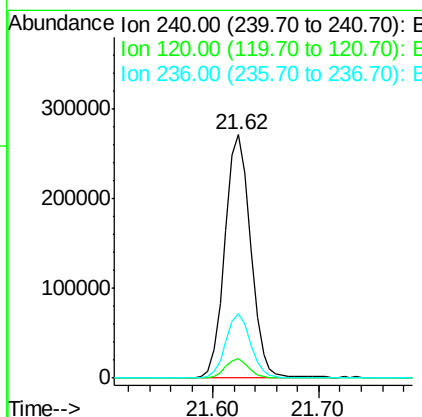
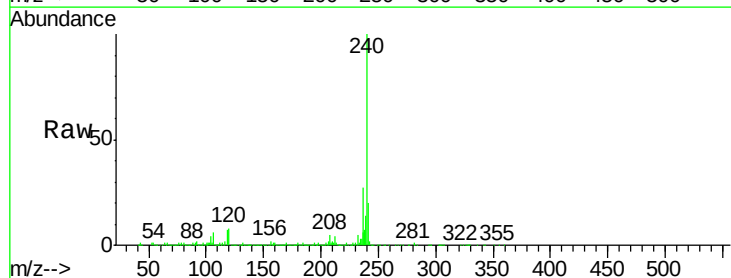
Instrument :
BNA_G
ClientSampleId :

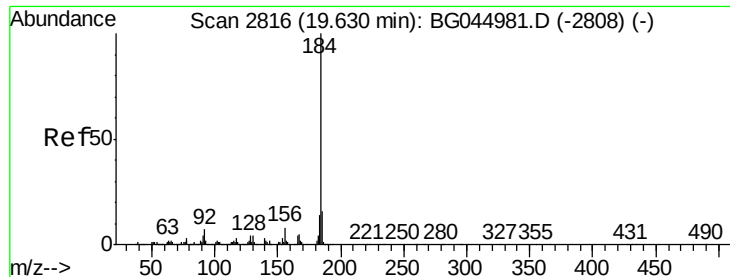
Tot Ion:	202	Resp:	49909
Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	29.6
203	18.6	0.0	39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG045390.D
Acq: 14 May 2020 23:12

Tgt Ion:	240	Resp:	459610
Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.6	10.0
236	26.7	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.97 min Scan# 2874

Delta R.T. 0.38 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

Instrument :

BNA_G

ClientSampleId :

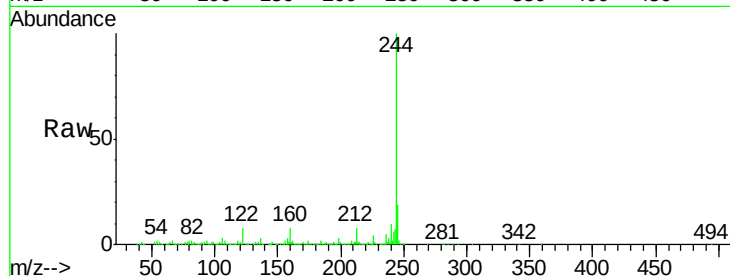
Tot Ion:184 Resp: 9808

Ion Ratio Lower Upper

184 100

185 18.7 12.6 19.0

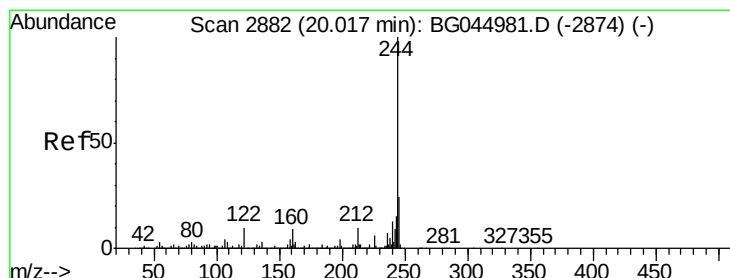
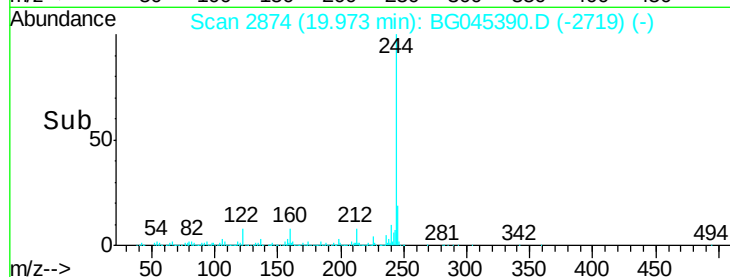
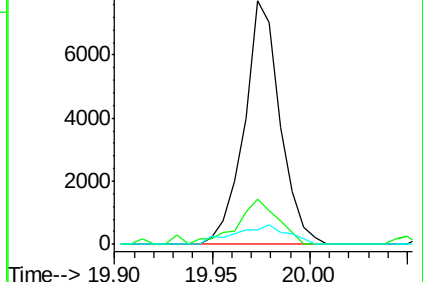
183 6.0 11.3 16.9#



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



#79

Terphenyl-d14

Concen: 28.641 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG045390.D

Acq: 14 May 2020 23:12

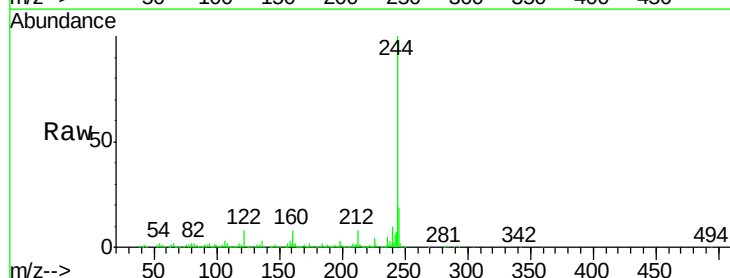
Tgt Ion:244 Resp: 603964

Ion Ratio Lower Upper

244 100

212 7.6 7.9 11.9#

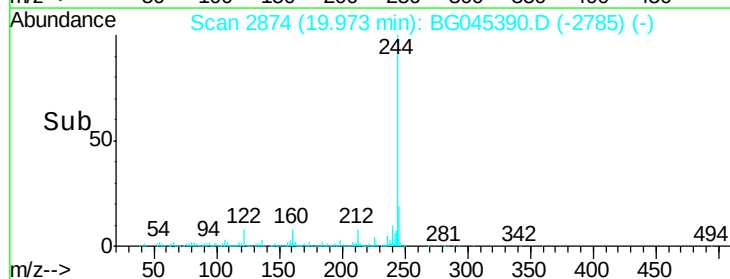
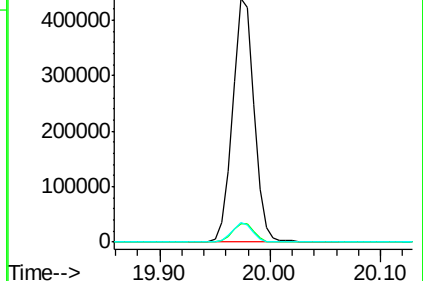
122 8.1 7.7 11.5

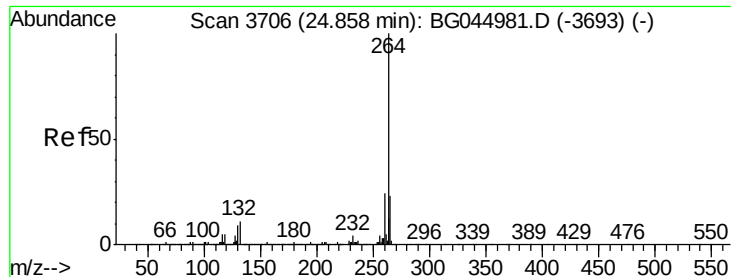


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.79 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: BG045390.D
 Acq: 14 May 2020 23:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.3	19.0	28.4

