

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041719\
 Data File : BG040555.D
 Acq On : 18 Apr 2019 7:53
 Operator : JU/SJ
 Sample : K2198-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 08:33:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 13 00:33:11 2019
 Response via : Initial Calibration

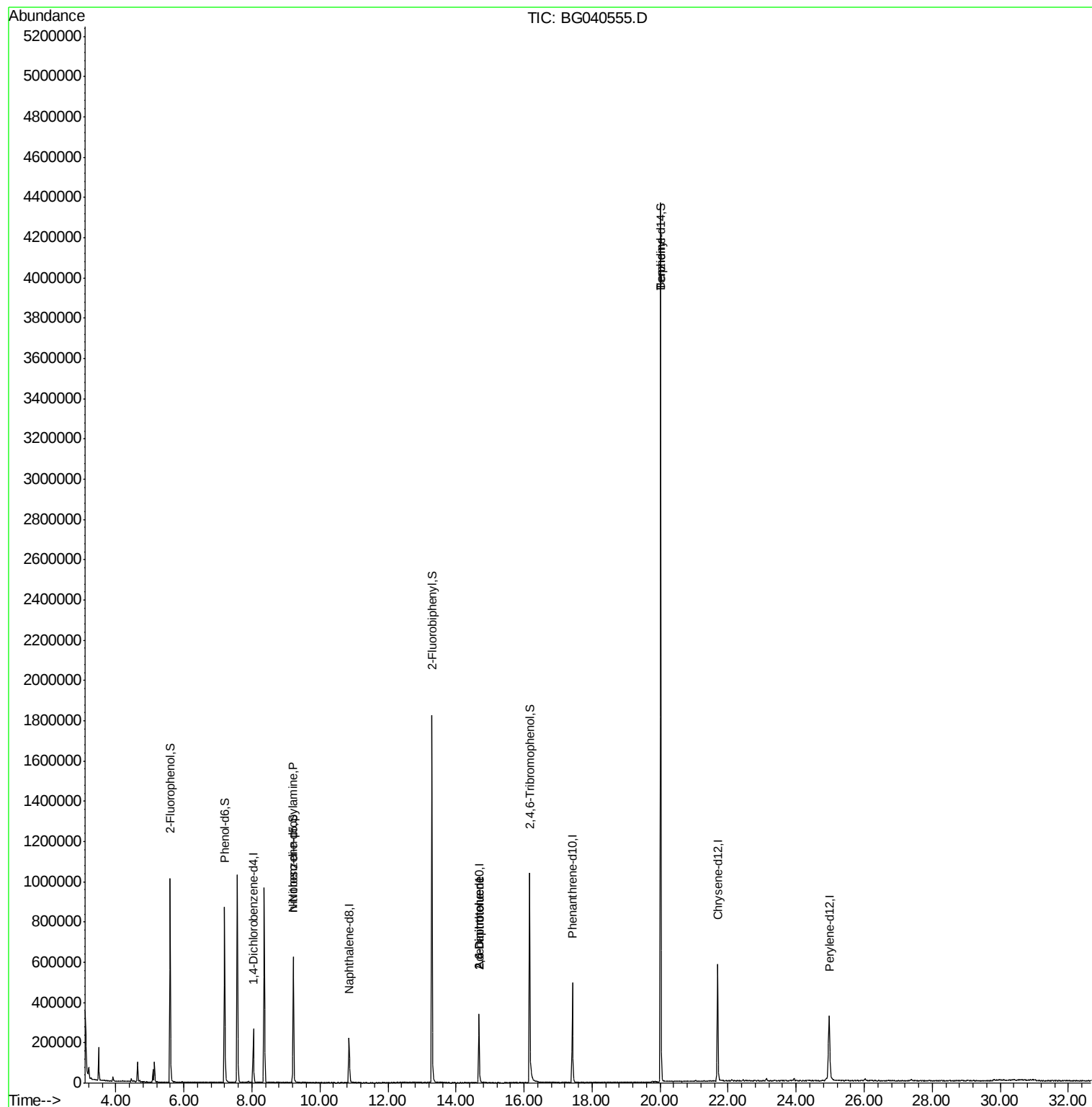
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	75539	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	212872	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	127974	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	341813	20.00	ng	0.00
76) Chrysene-d12	21.69	240	358777	20.00	ng	0.00
87) Perylene-d12	24.97	264	383113	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	426316	93.82	ng	0.00
7) Phenol-d6	7.20	99	519346	82.70	ng	0.00
23) Nitrobenzene-d5	9.22	82	396231	98.94	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	214427	155.04	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1037191	120.09	ng	0.00
79) Terphenyl-d14	20.02	244	1985066	124.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	50282	11.168	ng	# 73
51) 2,6-Dinitrotoluene	14.68	165	16749	7.448	ng	# 25
57) 2,4-Dinitrotoluene	14.68	165	16749	5.360	ng	# 25
77) Benzidine	20.02	184	33709	2.602	ng	96

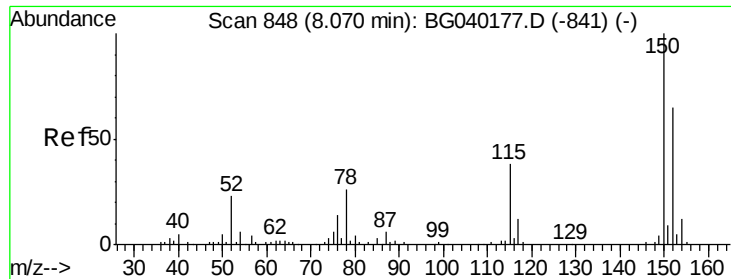
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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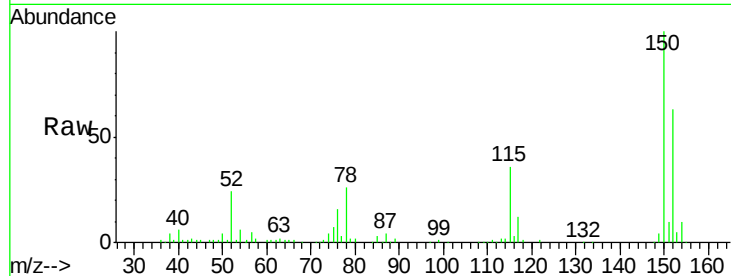


#1

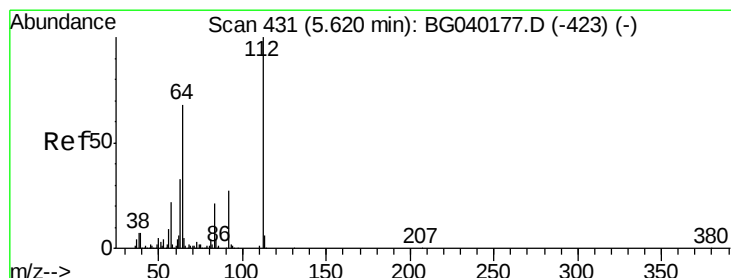
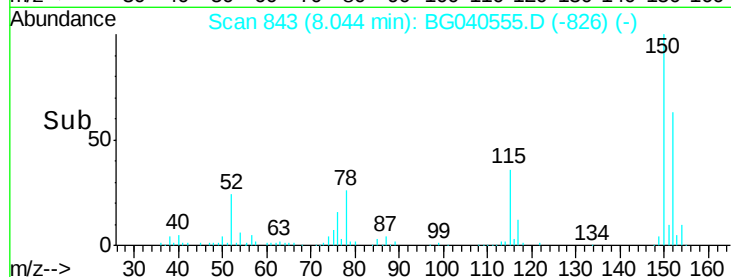
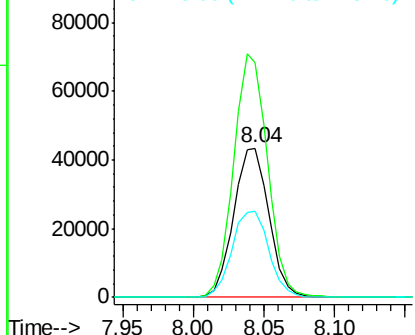
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 75539
Ion Ratio Lower Upper
152 100
150 157.5 123.7 185.5
115 57.4 46.9 70.3



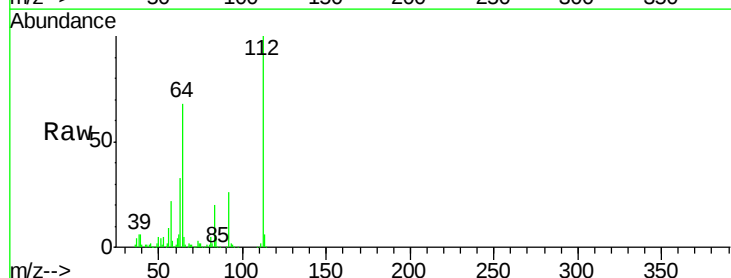
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



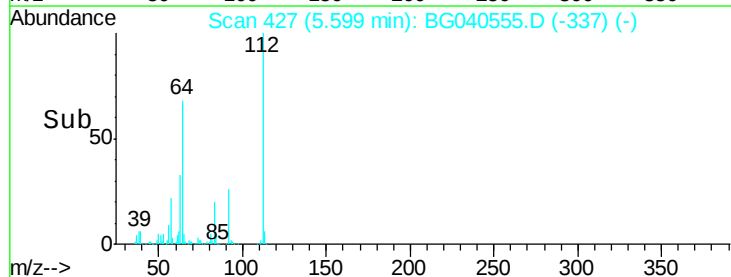
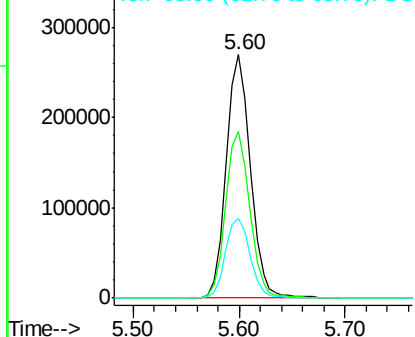
#5

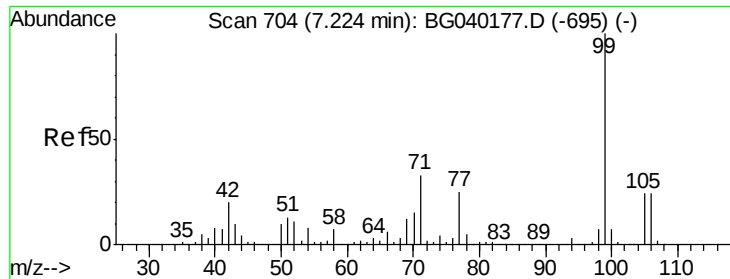
2-Fluorophenol
Concen: 93.821 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Tgt Ion:112 Resp: 426316
Ion Ratio Lower Upper
112 100
64 68.3 54.2 81.2
63 32.9 26.4 39.6



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





#7

Phenol-d6

Concen: 82.701 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG040555.D

Acq: 18 Apr 2019 7:53

Instrument :

BNA_G

ClientSampleId :

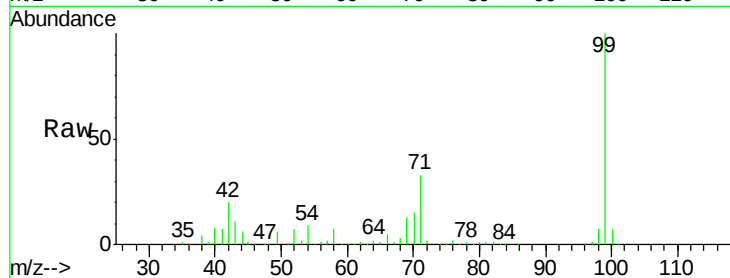
Tot Ion: 99 Resp: 519346

Ion Ratio Lower Upper

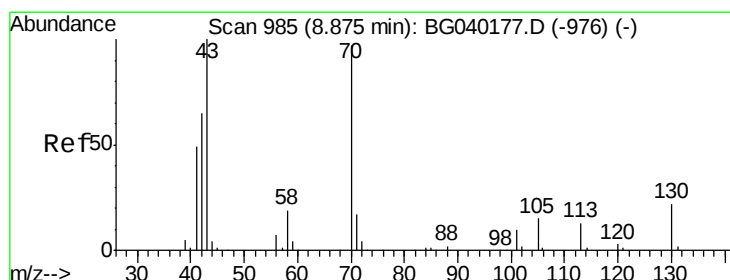
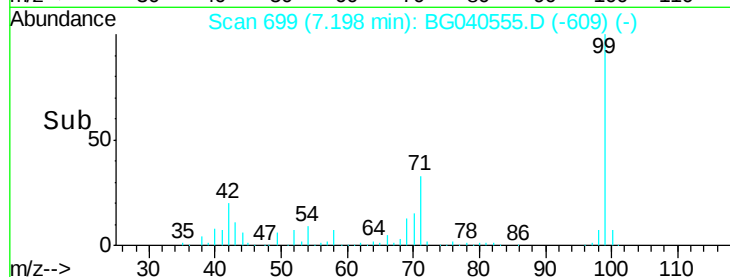
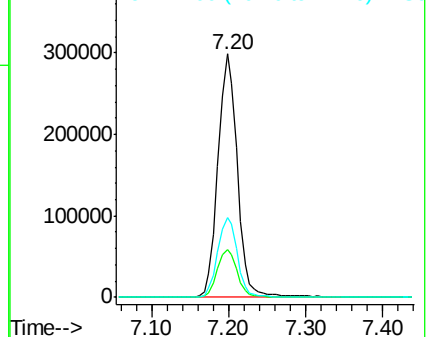
99 100

42 19.8 16.2 24.2

71 33.0 26.8 40.2



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: 11.168 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.38 min

Lab File: BG040555.D

Acq: 18 Apr 2019 7:53

Tgt Ion: 70 Resp: 50282

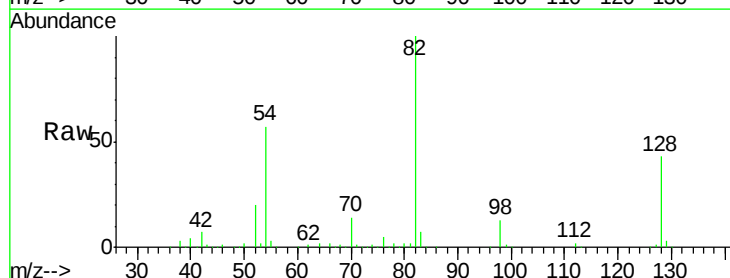
Ion Ratio Lower Upper

70 100

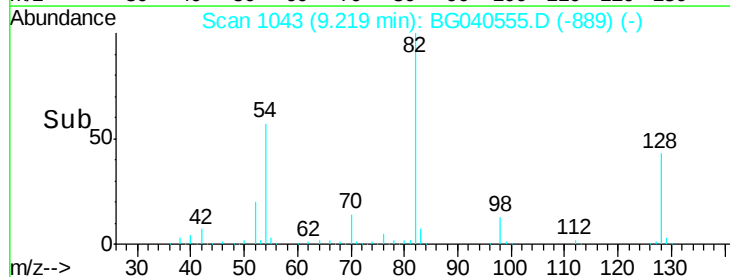
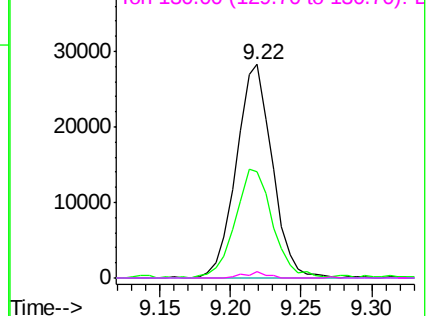
42 50.0 54.0 81.0#

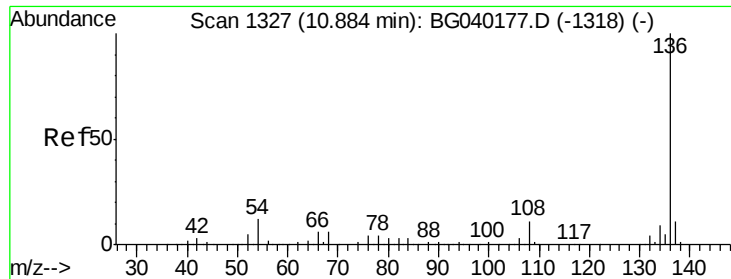
101 0.0 8.6 13.0#

130 2.9 18.2 27.2#



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

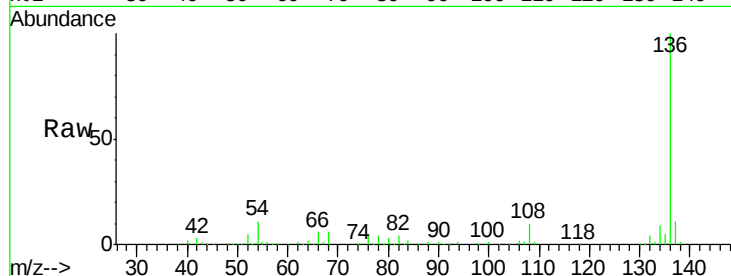




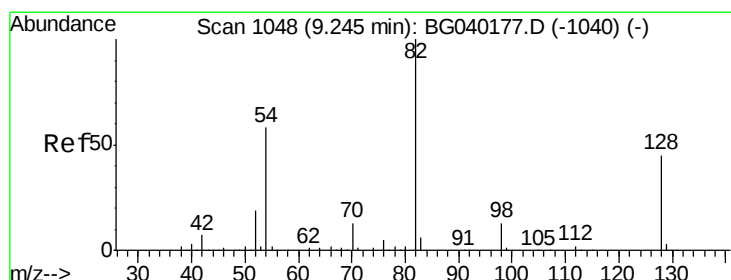
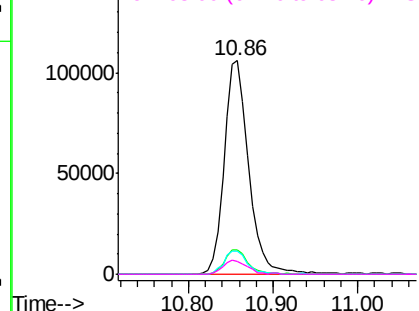
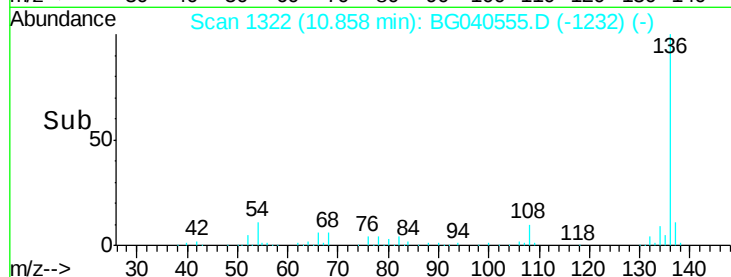
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	212872
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.6	9.6	14.4
68	5.9	5.1	7.7

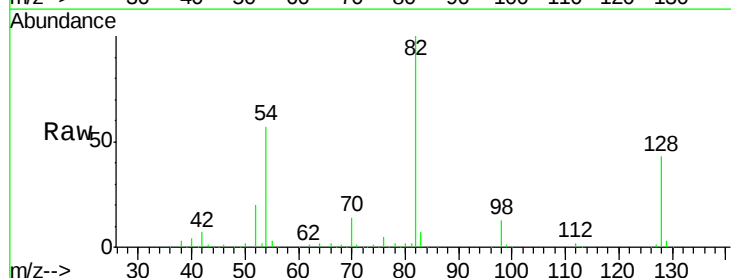


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

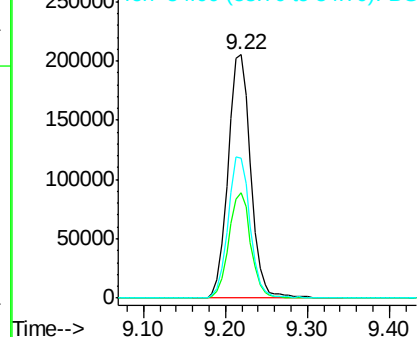
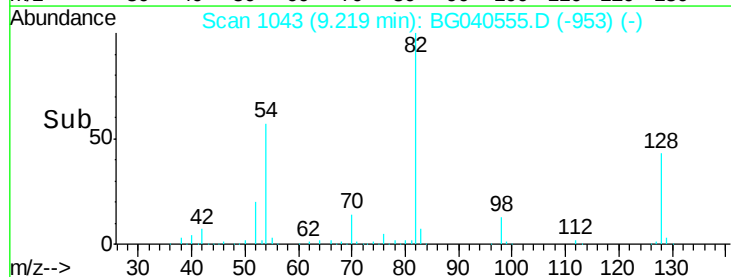


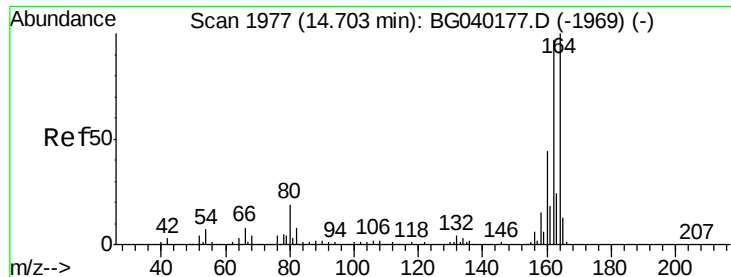
#23
Nitrobenzene-d5
Concen: 98.937 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Tgt Ion:	82	Resp:	396231
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.8	53.8
54	57.3	46.2	69.2



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

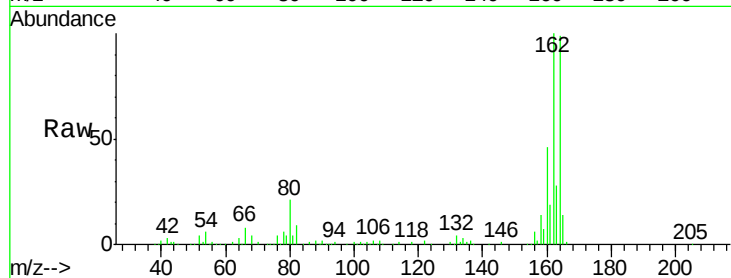




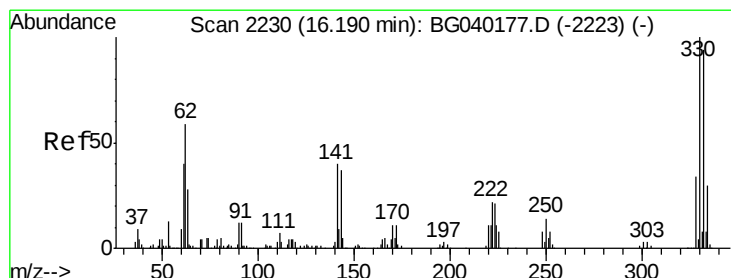
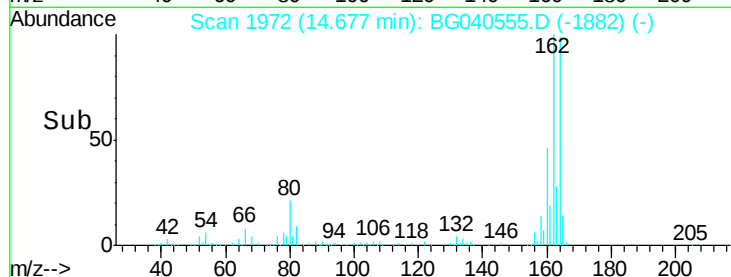
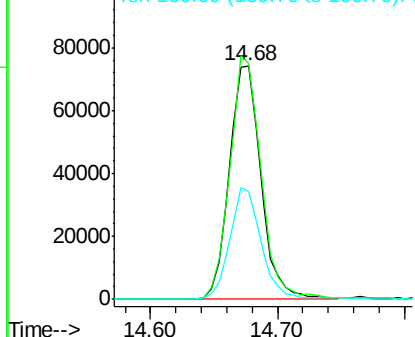
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 127974
Ion Ratio Lower Upper
164 100
162 101.1 77.4 116.2
160 46.1 35.3 52.9

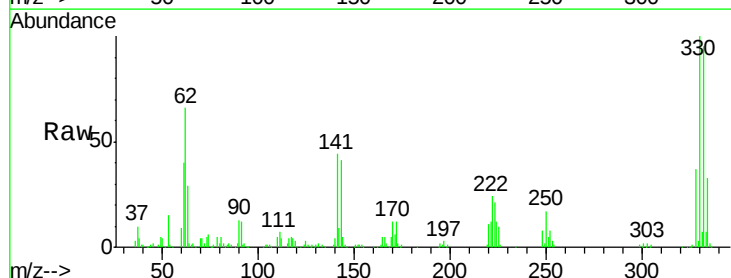


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

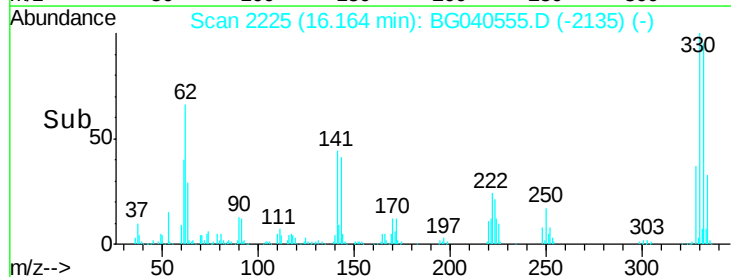
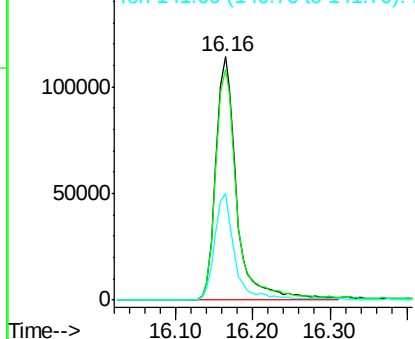


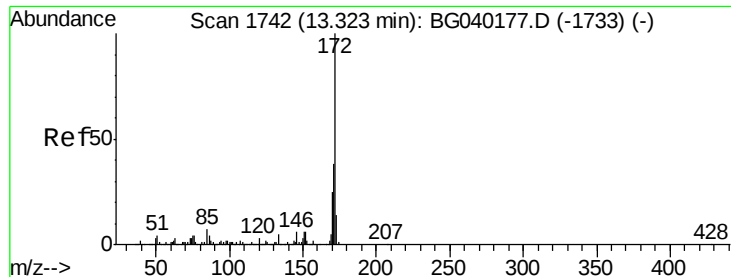
#42
2,4,6-Tribromophenol
Concen: 155.037 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Tgt Ion:330 Resp: 214427
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 41.7 32.6 48.8



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

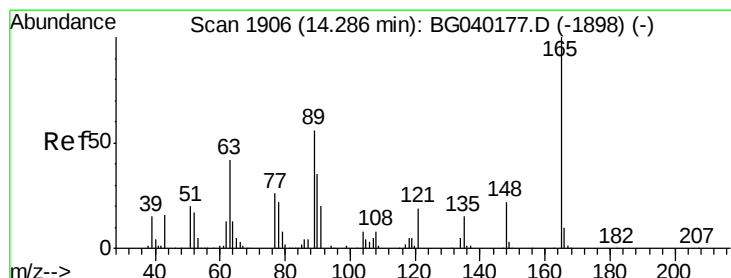
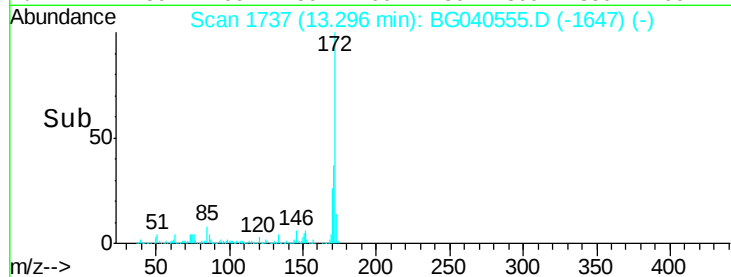
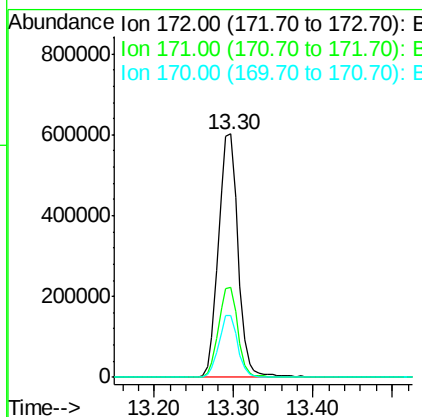
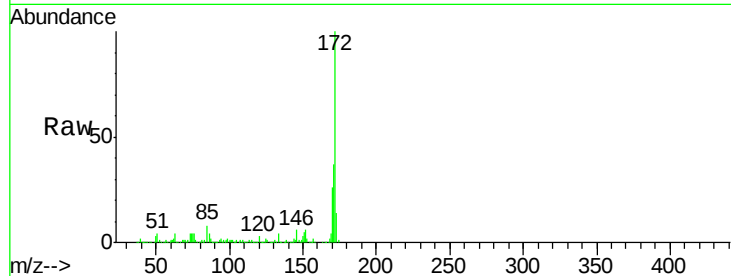




#45
2-Fluorobiphenyl
Concen: 120.092 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.00 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

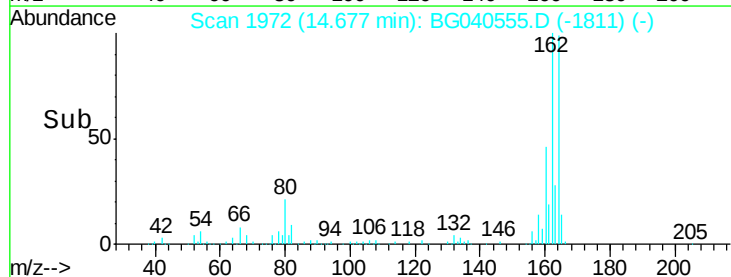
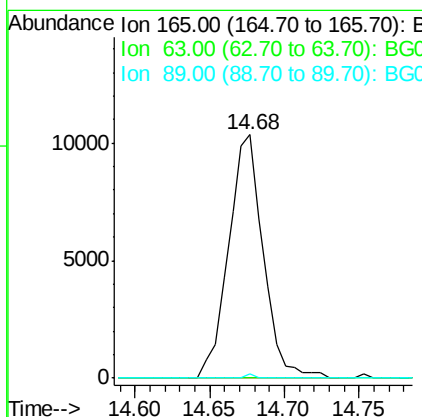
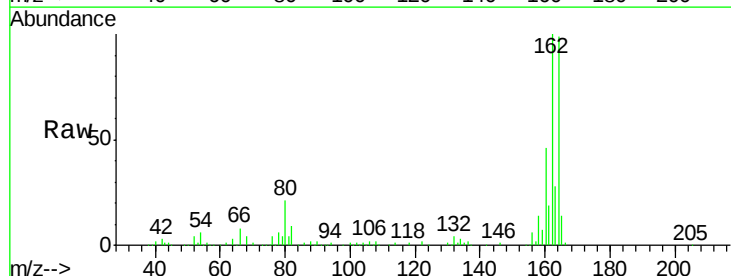
Instrument :
BNA_G
ClientSampleId :

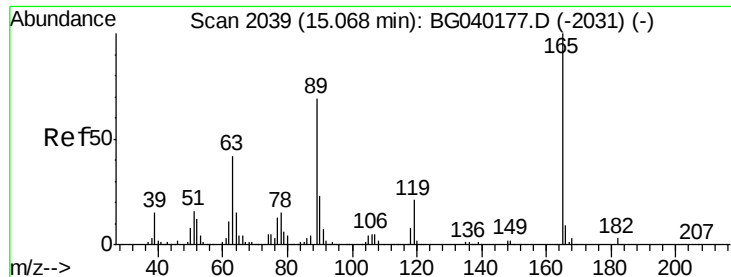
Tot Ion:172 Resp: 1037191
Ion Ratio Lower Upper
172 100
171 37.1 30.5 45.7
170 25.5 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.448 ng
RT: 14.68 min Scan# 1972
Delta R.T. 0.42 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Tgt Ion:165 Resp: 16749
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 2.0 44.9 67.3#

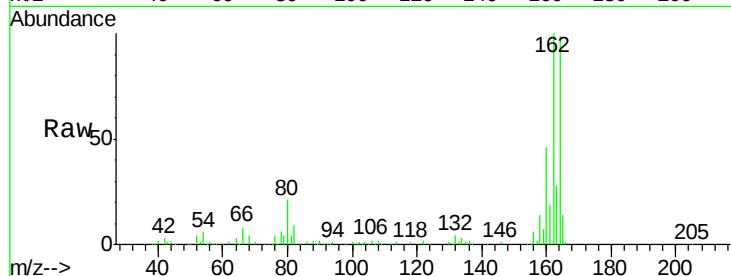




#57
 2,4-Dinitrotoluene
 Concen: 5.360 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG040555.D
 Acq: 18 Apr 2019 7:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	2.0	55.4	83.2#
182	0.0	2.2	3.4#

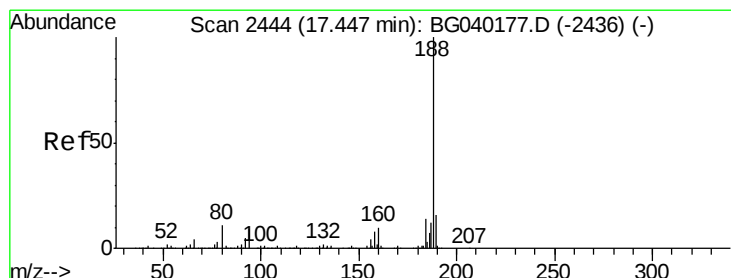
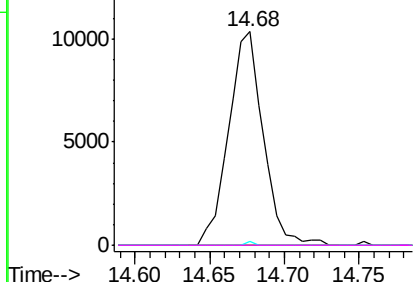
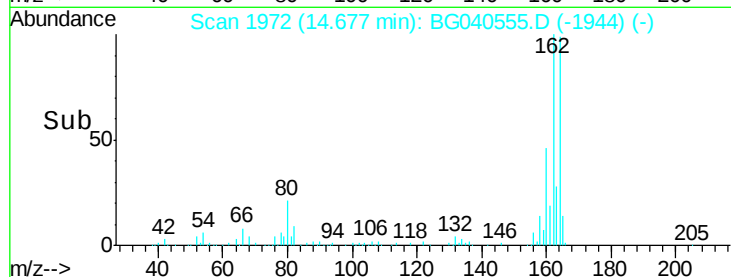


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

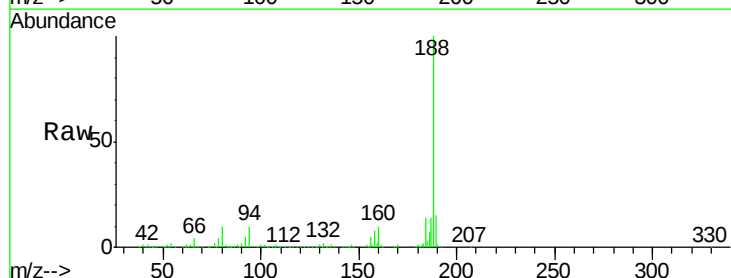
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG040555.D
 Acq: 18 Apr 2019 7:53

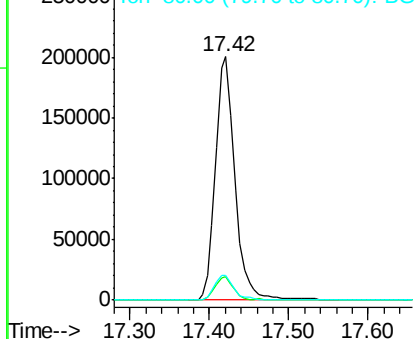
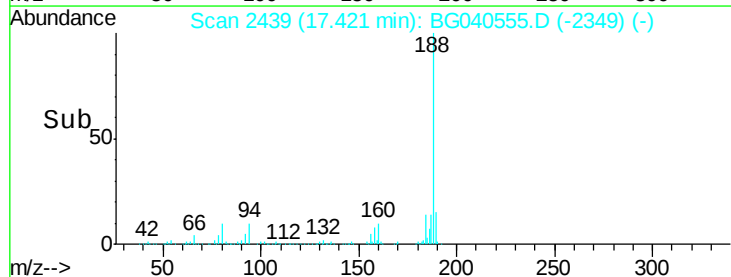
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.0	10.4
80	10.0	8.6	13.0

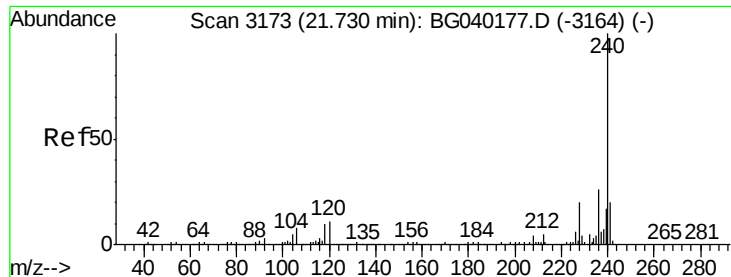


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

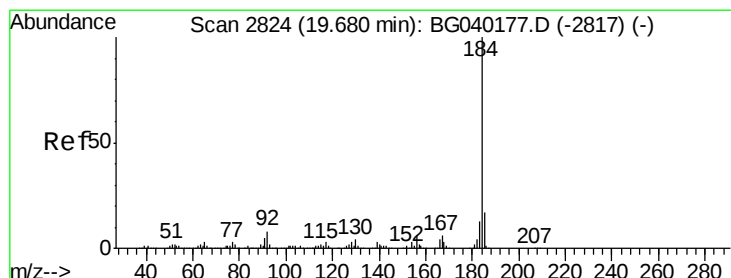
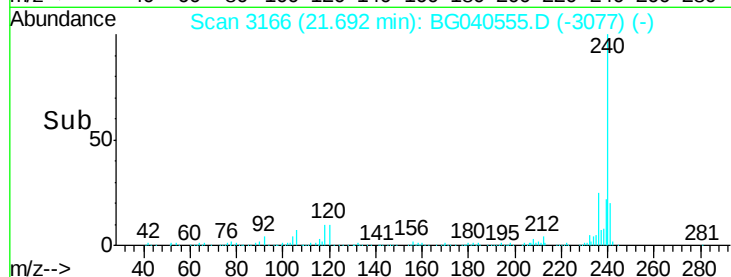
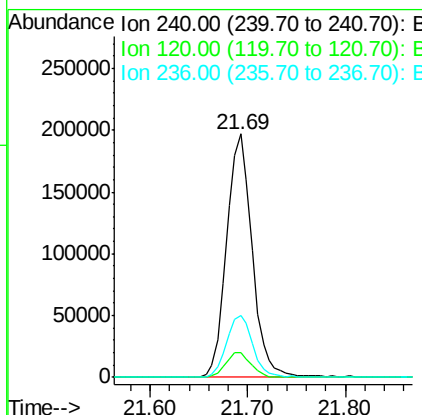
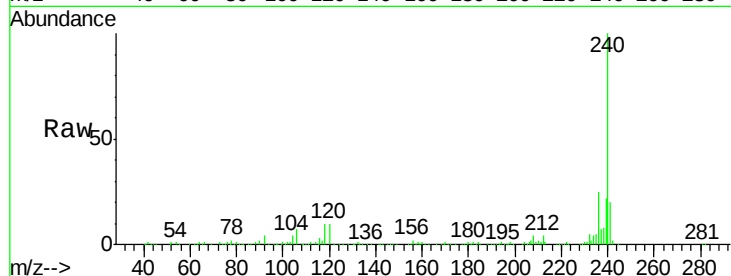




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

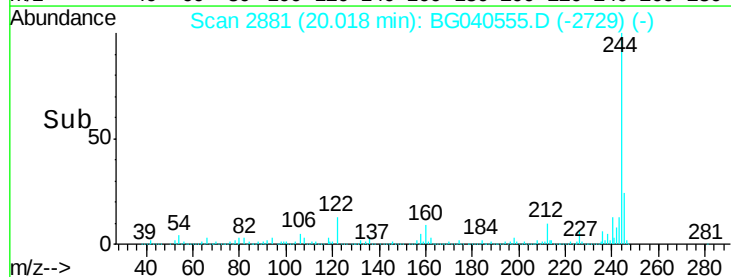
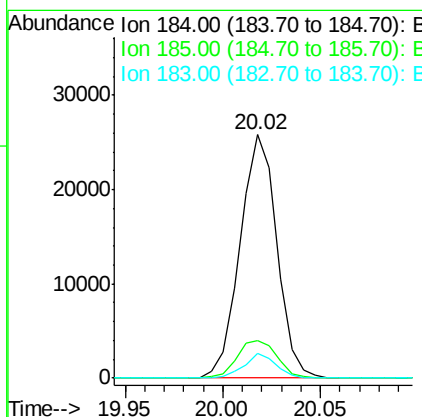
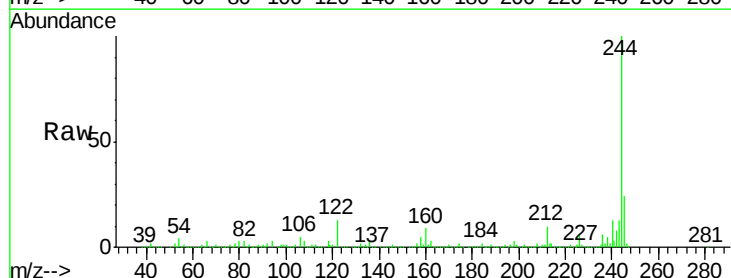
Instrument :
BNA_G
ClientSampled :

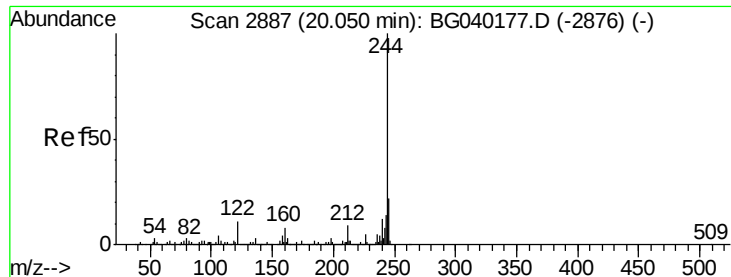
Tot Ion:240 Resp: 358777
Ion Ratio Lower Upper
240 100
120 10.3 8.4 12.6
236 25.3 20.8 31.2



#77
Benzidine
Concen: 2.602 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG040555.D
Acq: 18 Apr 2019 7:53

Tgt Ion:184 Resp: 33709
Ion Ratio Lower Upper
184 100
185 15.5 13.3 19.9
183 10.4 10.3 15.5





#79

Terphenyl-d14

Concen: 124.470 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG040555.D

Acq: 18 Apr 2019 7:53

Instrument :

BNA_G

ClientSampleId :

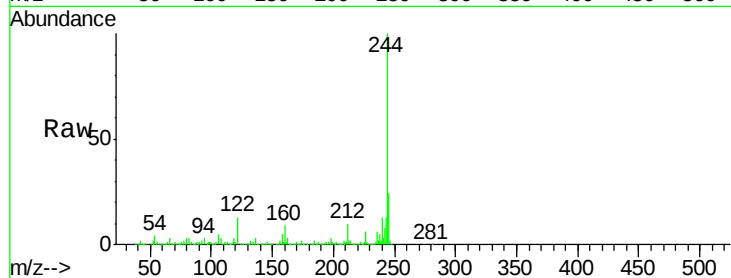
Tot Ion:244 Resp: 1985066

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

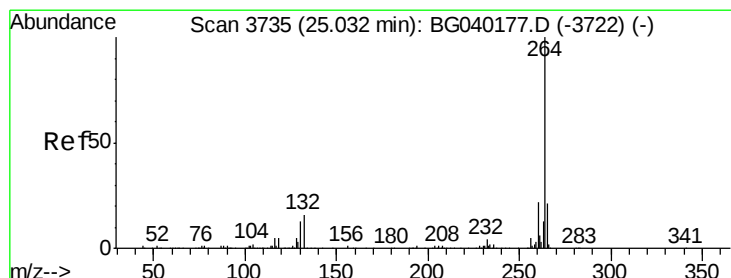
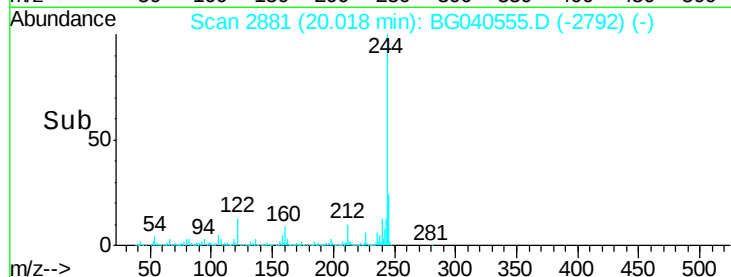
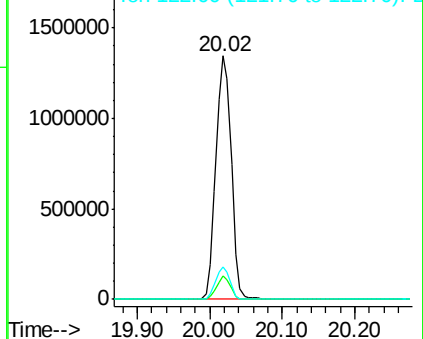
122 13.5 8.5 12.7#



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: 24.97 min Scan# 3724

Delta R.T. -0.00 min

Lab File: BG040555.D

Acq: 18 Apr 2019 7:53

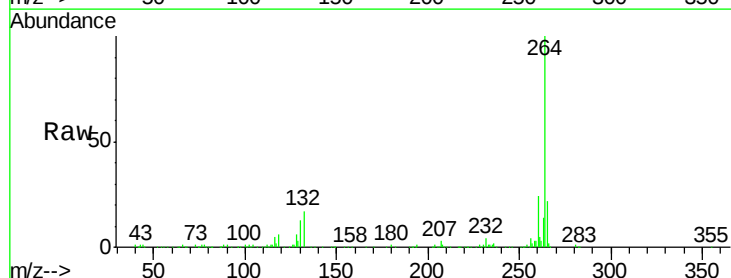
Tgt Ion:264 Resp: 383113

Ion Ratio Lower Upper

264 100

260 24.2 17.9 26.9

265 21.8 16.8 25.2



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

