

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040652.D
 Acq On : 27 Apr 2019 6:41
 Operator : JU/SJ
 Sample : K2570-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2-CB-SOUTH

Quant Time: Apr 29 01:05:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

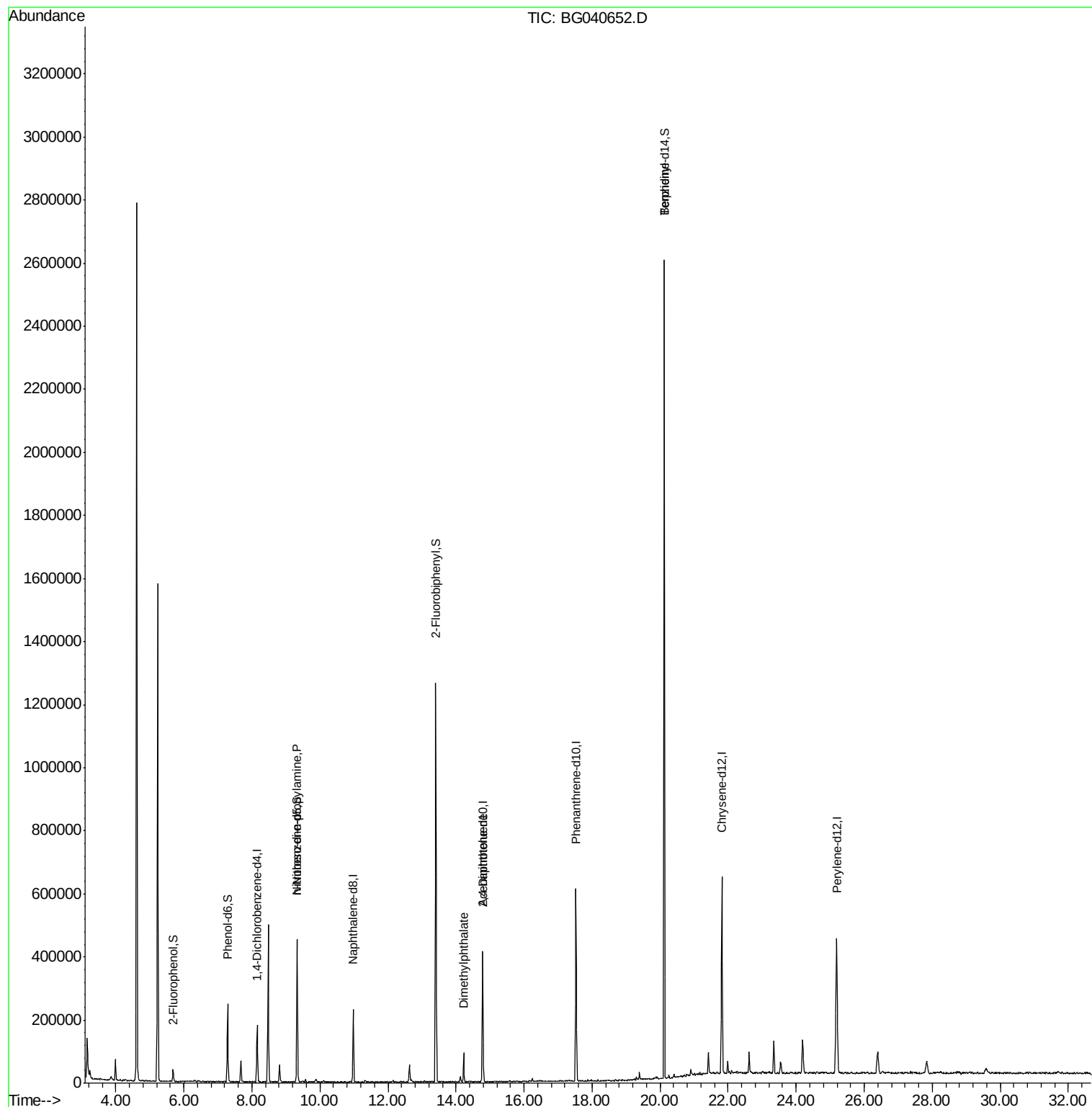
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	43802	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	180433	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	134108	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	361523	20.00	ng	0.00
76) Chrysene-d12	21.82	240	361925	20.00	ng	0.00
87) Perylene-d12	25.19	264	387742	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	12419	5.00	ng	0.00
7) Phenol-d6	7.29	99	117128	30.61	ng	0.00
23) Nitrobenzene-d5	9.33	82	256274	65.63	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	324	0.18	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	592509	63.81	ng	0.00
79) Terphenyl-d14	20.12	244	1184519	72.51	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	526	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	38074	11.055 ng	#	79
50) Dimethylphthalate	14.22	163	52719	4.698 ng		98
57) 2,4-Dinitrotoluene	14.78	165	17257	5.799 ng	#	17
77) Benzidine	20.12	184	21044	2.124 ng		97

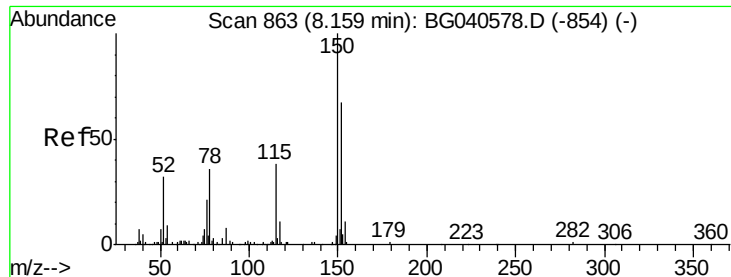
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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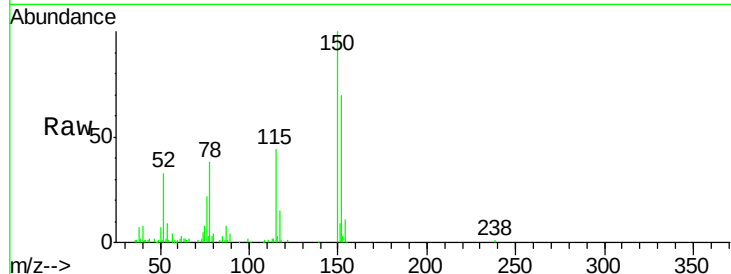


#1

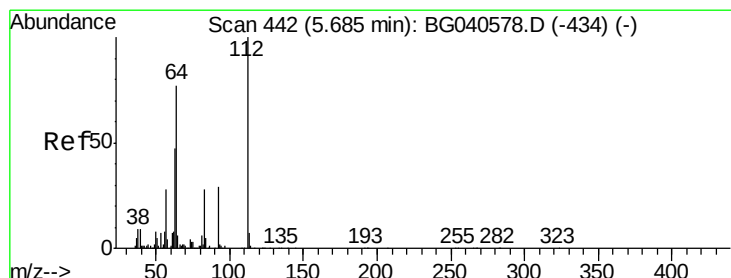
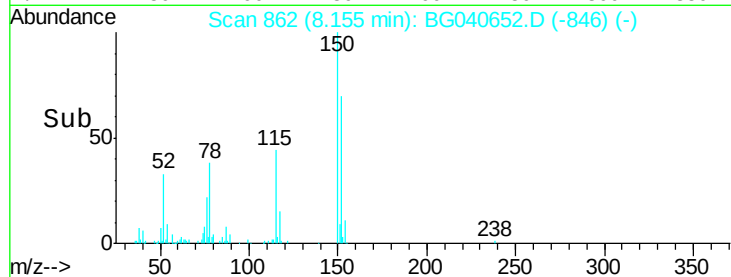
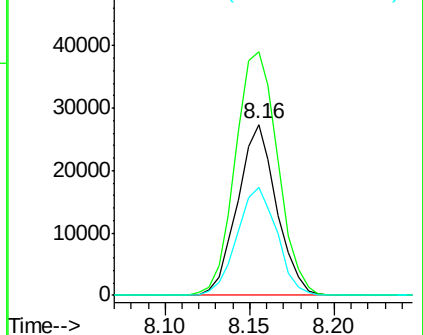
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

Instrument :
BNA_G
ClientSampleId :
2-CB-SOUTH

Tot Ion	152	Resp	43802
Ion	Ratio	Lower	Upper
152	100		
150	142.3	120.2	180.2
115	63.0	46.2	69.2



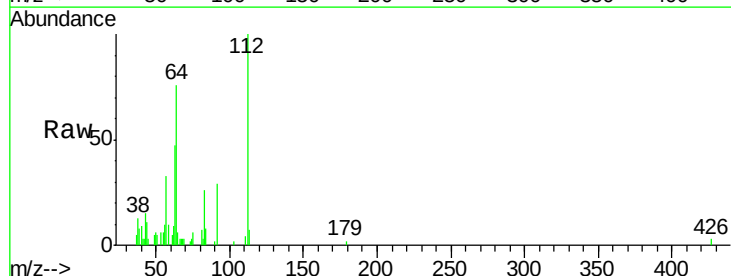
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



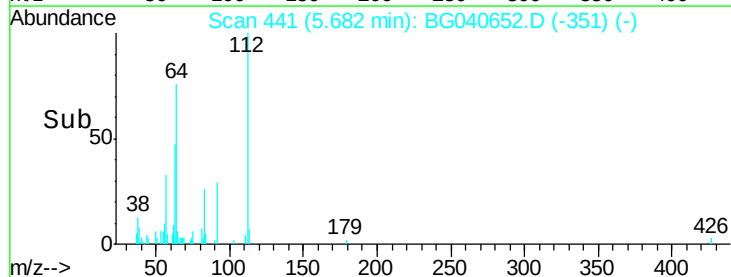
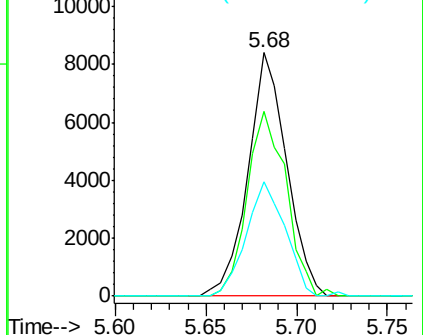
#5

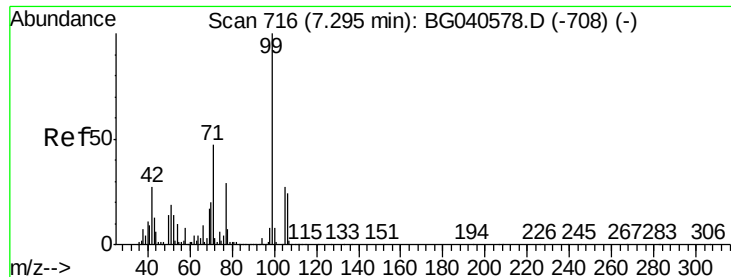
2-Fluorophenol
Concen: 4.998 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

Tgt Ion	112	Resp	12419
Ion	Ratio	Lower	Upper
112	100		
64	76.0	61.4	92.0
63	47.0	37.8	56.6



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: 30.614 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA_G

ClientSampleId :

2-CB-SOUTH

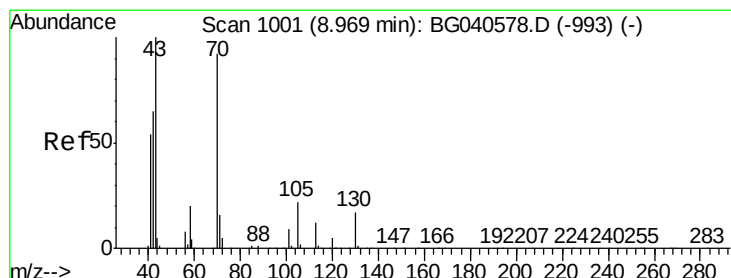
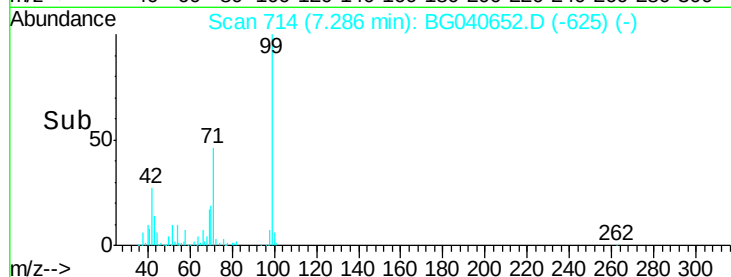
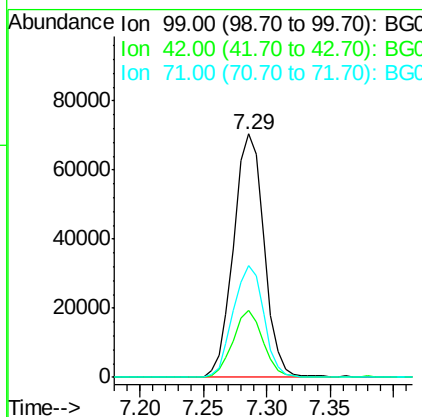
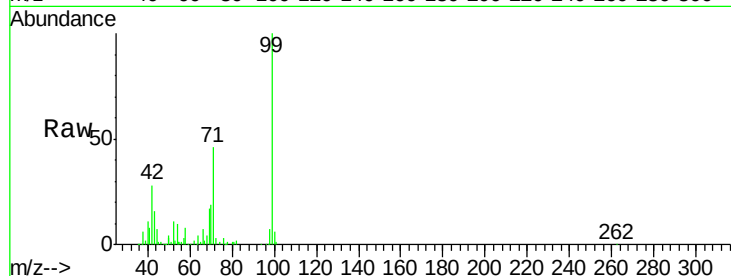
Tot Ion: 99 Resp: 117128

Ion Ratio Lower Upper

99 100

42 27.7 21.8 32.8

71 45.8 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.055 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Tgt Ion: 70 Resp: 38074

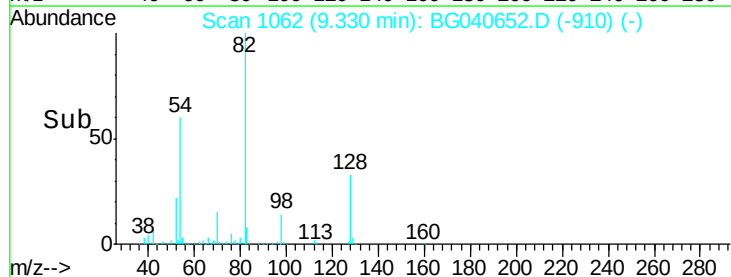
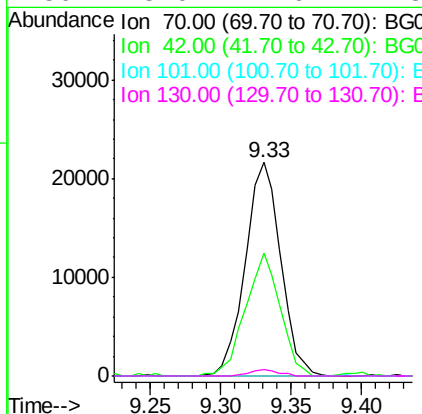
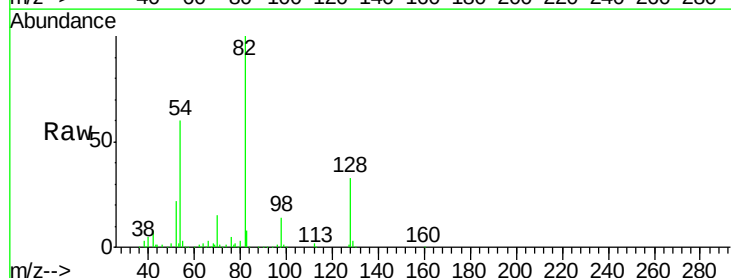
Ion Ratio Lower Upper

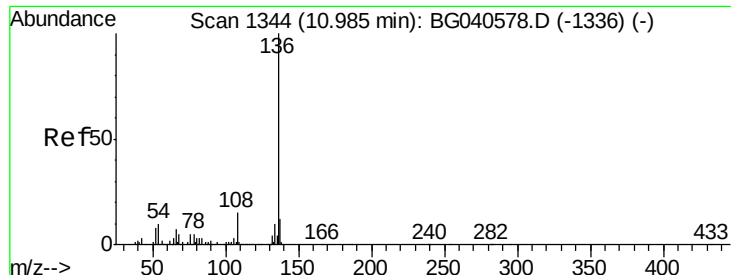
70 100

42 57.4 57.1 85.7

101 0.0 7.8 11.8#

130 3.0 14.6 21.8#

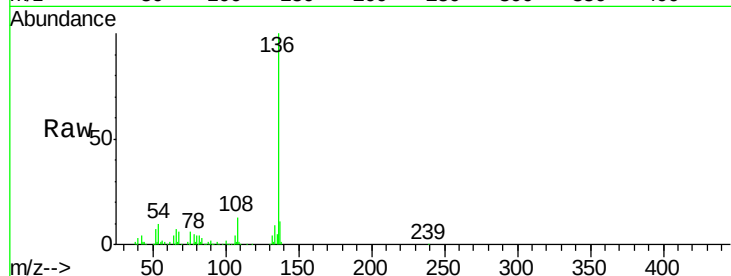




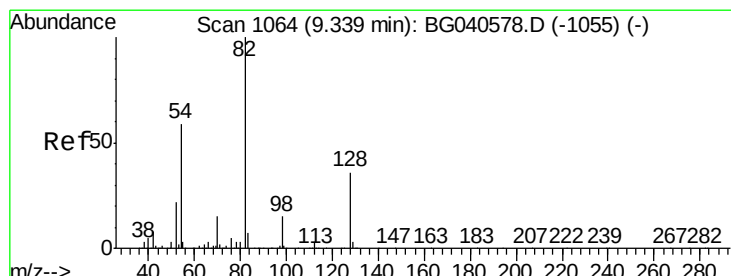
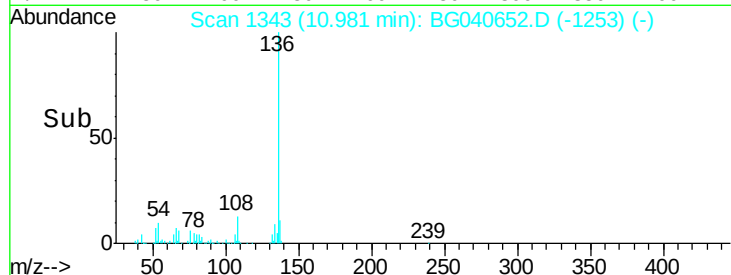
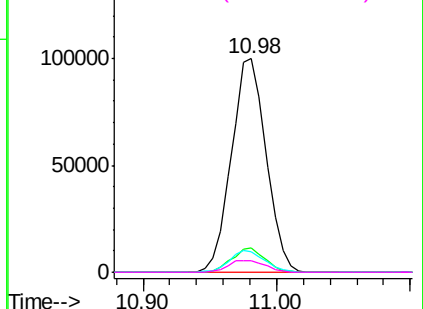
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

Instrument :
BNA_G
ClientSampleId :
2-CB-SOUTH

Tot Ion:136	Resp:	180433
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.7 14.5
54	9.9	8.6 12.8
68	5.5	4.8 7.2

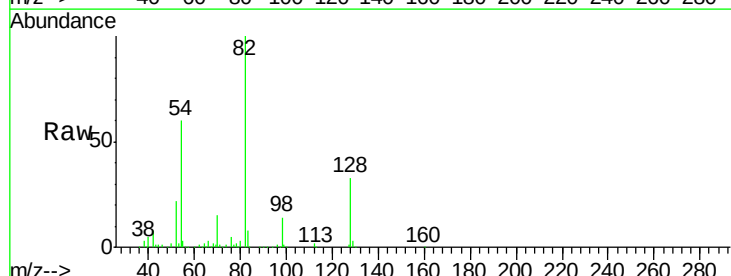


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

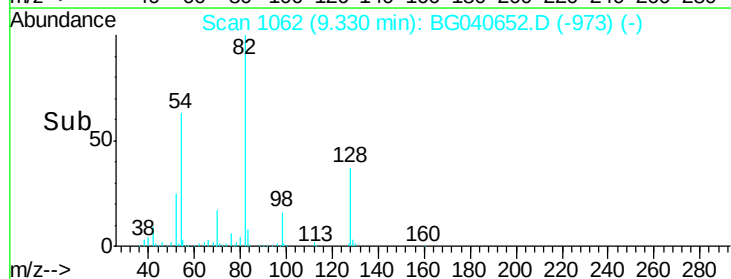
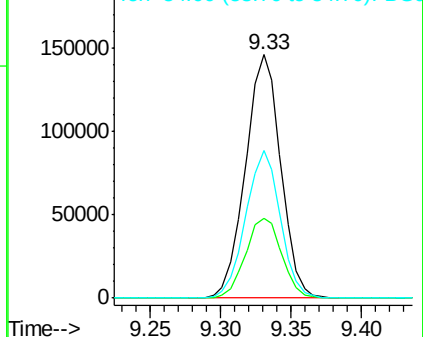


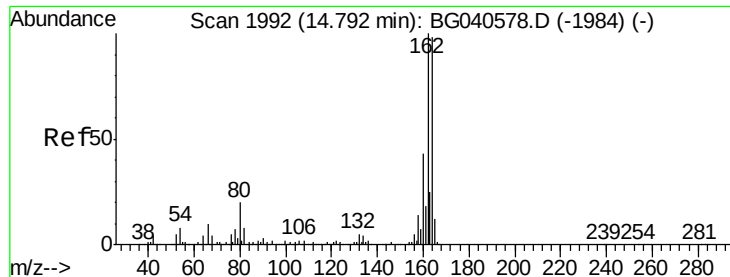
#23
Nitrobenzene-d5
Concen: 65.628 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

Tgt Ion: 82	Resp:	256274
Ion Ratio	Lower	Upper
82	100	
128	32.6	28.9 43.3
54	60.5	47.2 70.8



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: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA_G

ClientSampleId :

2-CB-SOUTH

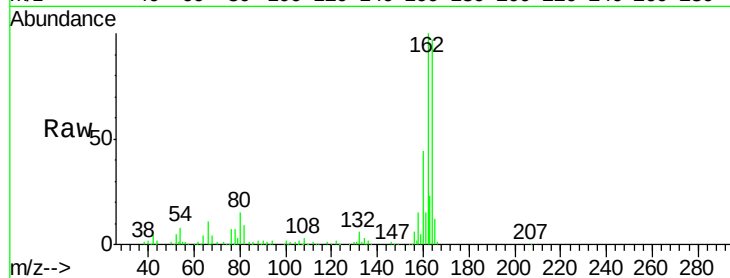
Tot Ion:164 Resp: 134108

Ion Ratio Lower Upper

164 100

162 103.2 81.9 122.9

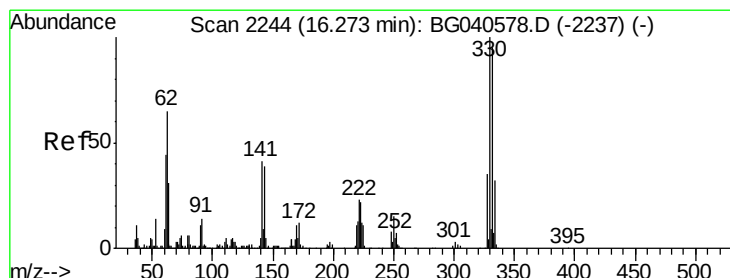
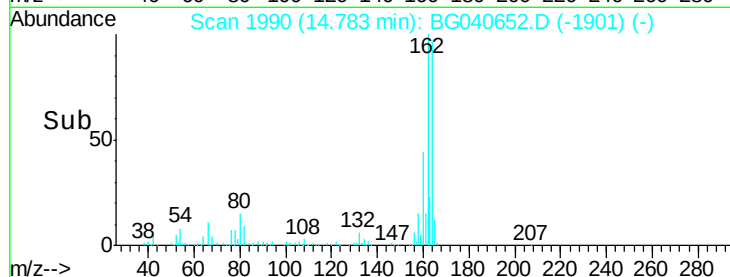
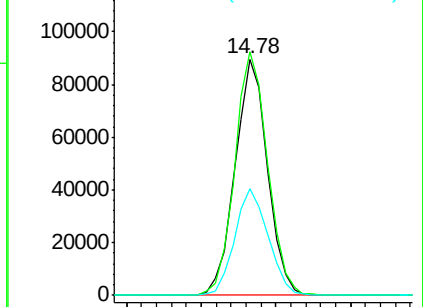
160 45.4 35.4 53.2



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: 0.176 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

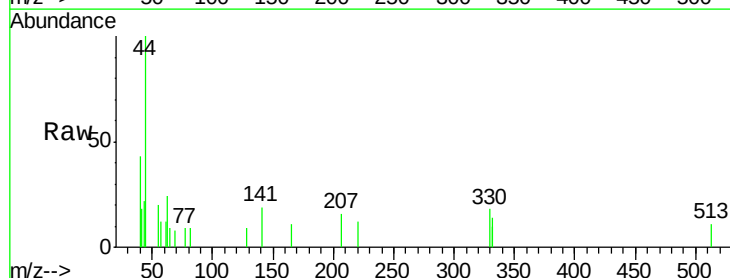
Tgt Ion:330 Resp: 324

Ion Ratio Lower Upper

330 100

332 110.5 75.9 113.9

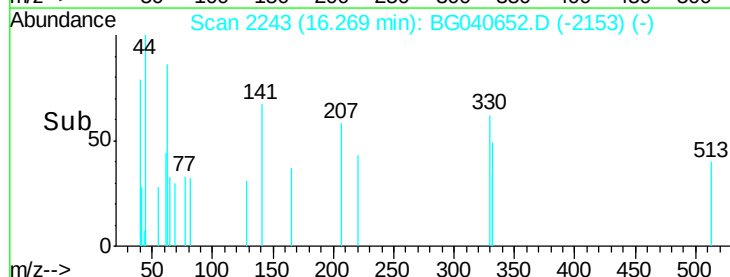
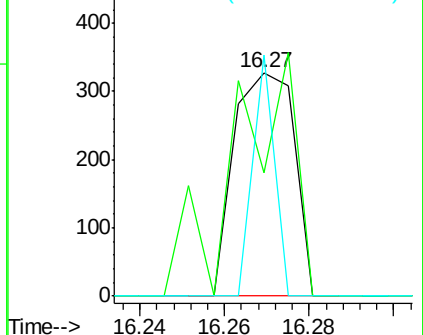
141 38.6 32.4 48.6

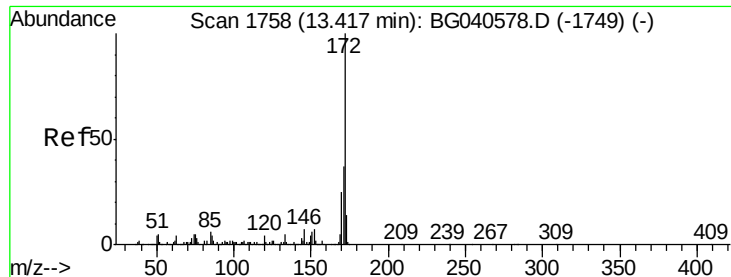


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

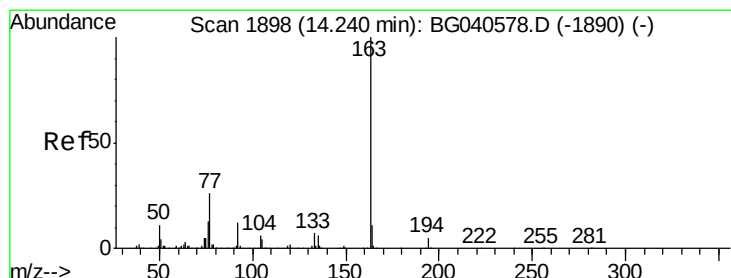
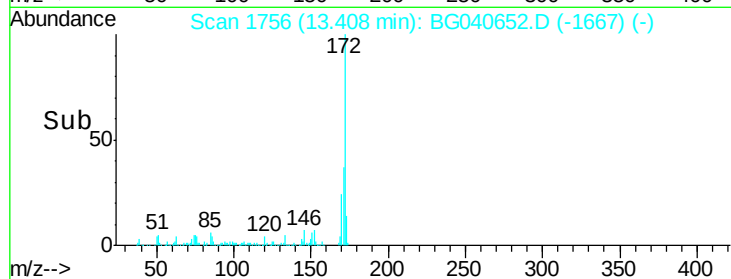
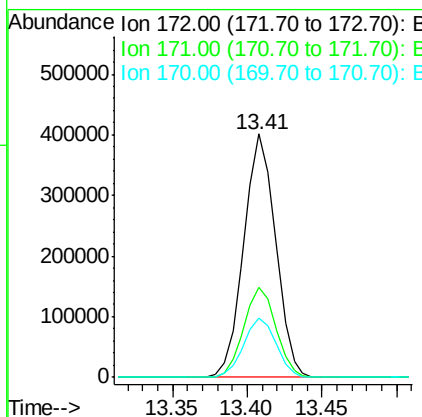
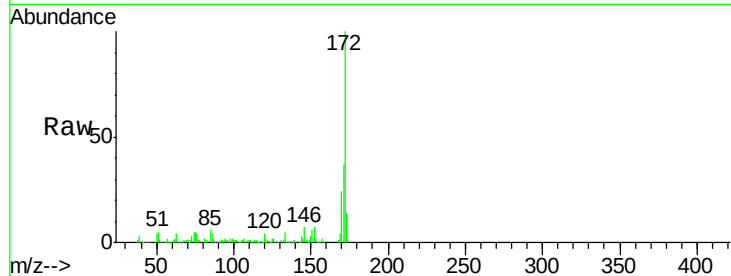




#45
2-Fluorobiphenyl
Concen: 63.807 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

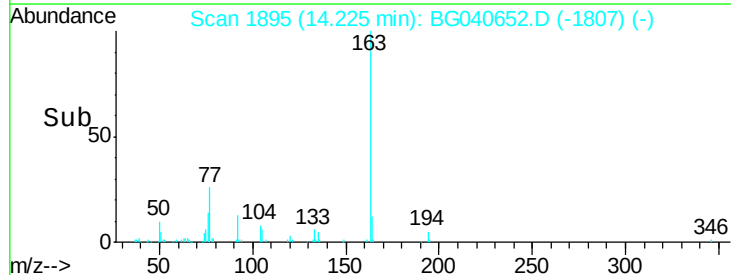
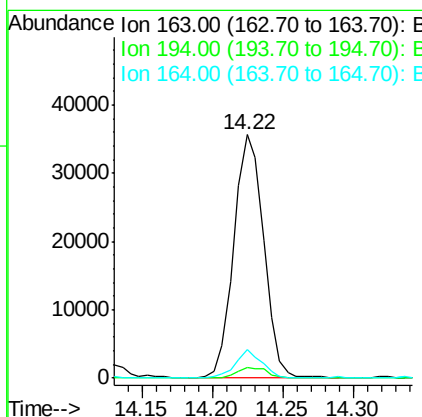
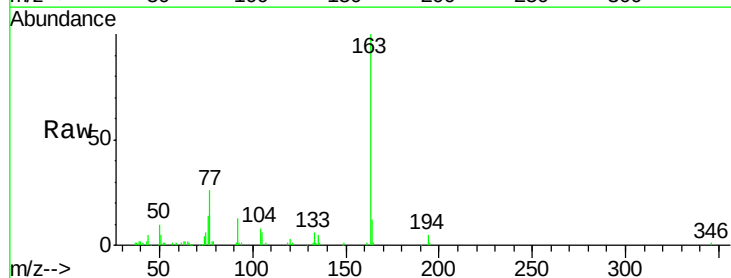
Instrument :
BNA_G
ClientSampleId :
2-CB-SOUTH

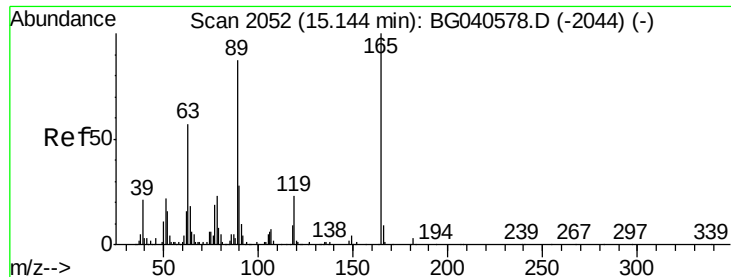
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	24.3	19.9	29.9



#50
Dimethylphthalate
Concen: 4.698 ng
RT: 14.22 min Scan# 1895
Delta R.T. -0.02 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.8	5.8
164	11.7	8.8	13.2





#57

2,4-Dinitrotoluene

Concen: 5.799 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.36 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA_G

ClientSampleId :

2-CB-SOUTH

Tot Ion:165 Resp: 17257

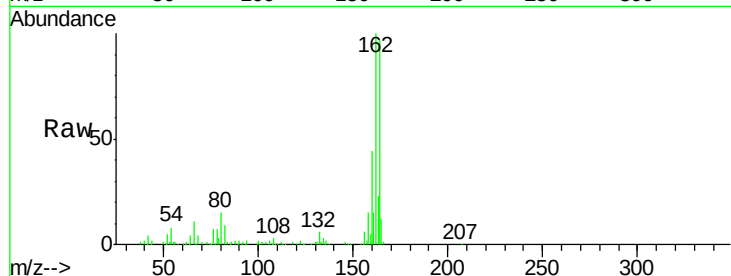
Ion Ratio Lower Upper

165 100

63 3.4 45.8 68.8#

89 2.3 69.4 104.2#

182 0.0 2.2 3.4#

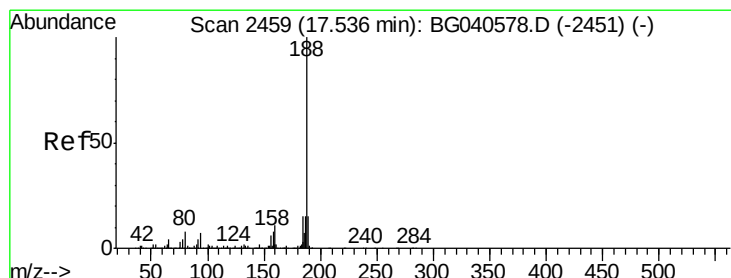
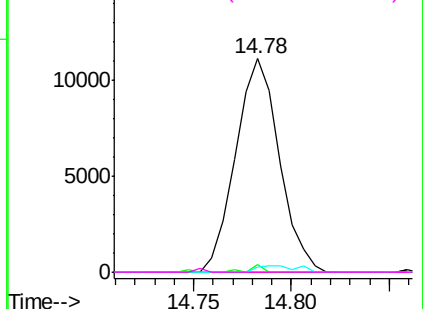
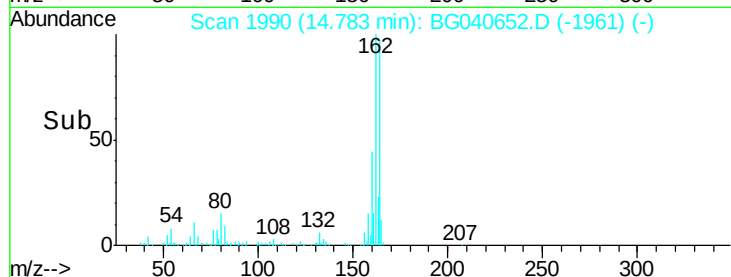


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

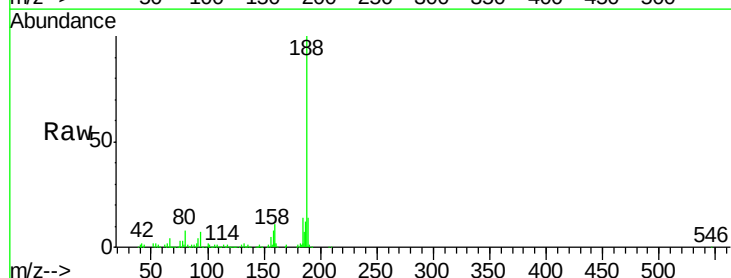
Tgt Ion:188 Resp: 361523

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

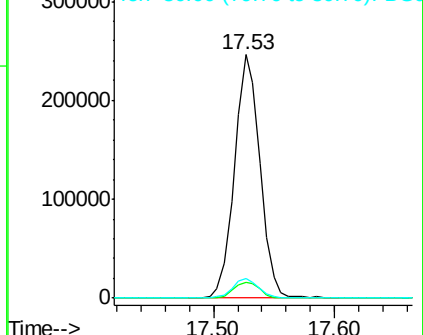
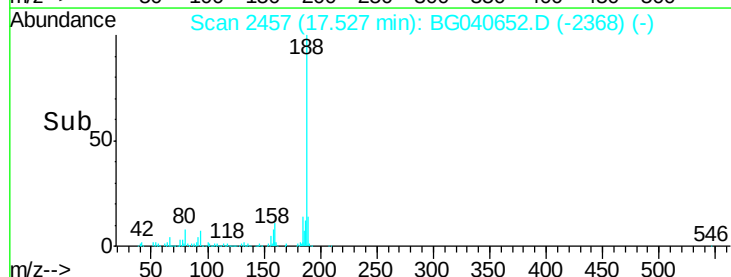
80 8.2 6.4 9.6

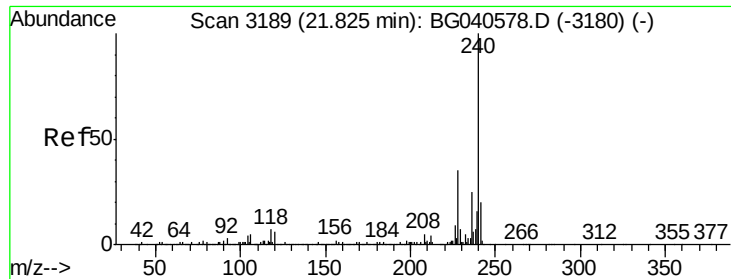


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

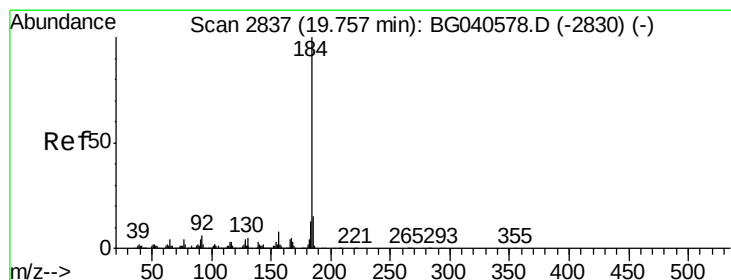
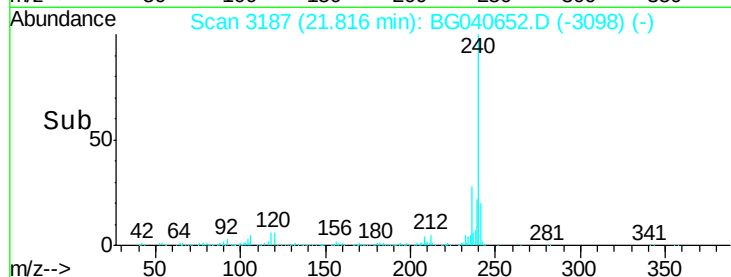
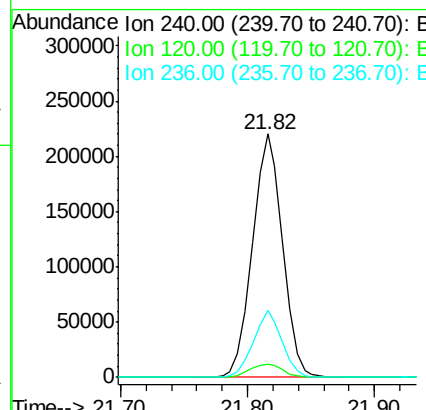
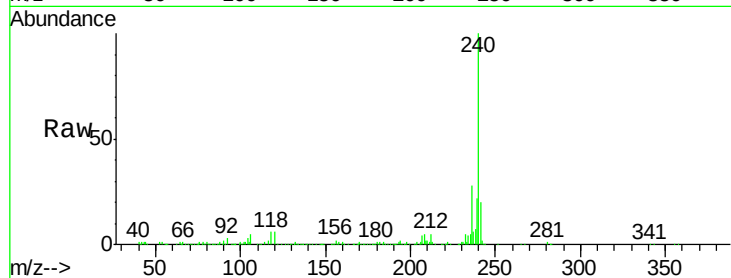




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

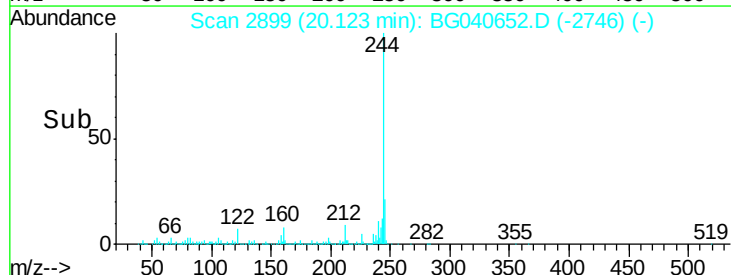
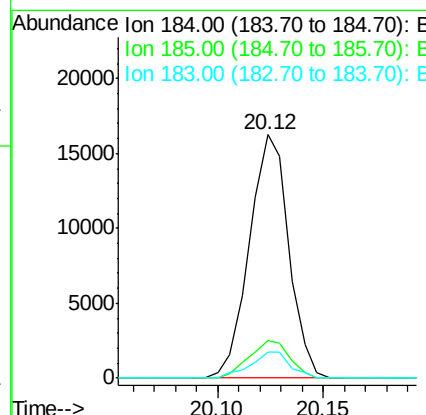
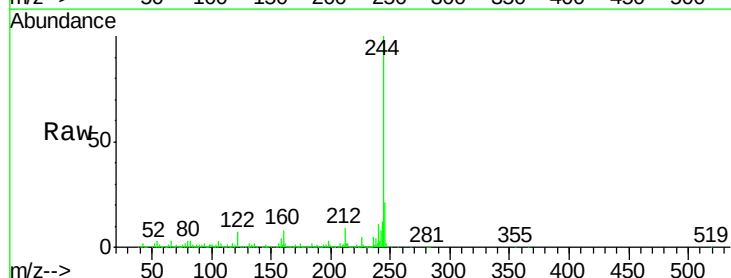
Instrument :
BNA_G
ClientSampleId :
2-CB-SOUTH

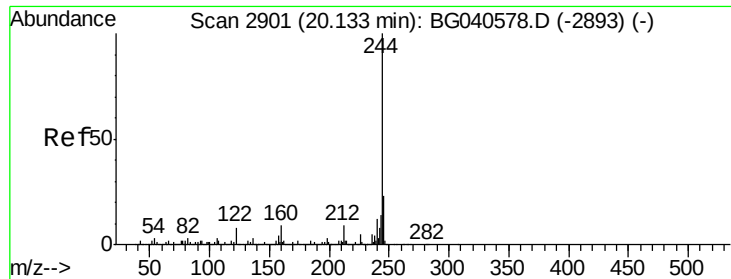
Tot Ion:240 Resp: 361925
Ion Ratio Lower Upper
240 100
120 5.7 5.0 7.6
236 27.7 20.3 30.5



#77
Benzidine
Concen: 2.124 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.37 min
Lab File: BG040652.D
Acq: 27 Apr 2019 6:41

Tgt Ion:184 Resp: 21044
Ion Ratio Lower Upper
184 100
185 15.4 11.8 17.8
183 10.6 10.2 15.2





#79

Terphenyl-d14

Concen: 72.507 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

Instrument :

BNA_G

ClientSampleId :

2-CB-SOUTH

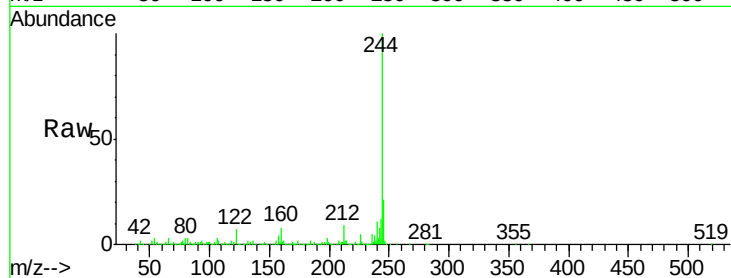
Tot Ion:244 Resp: 1184519

Ion Ratio Lower Upper

244 100

212 8.5 7.2 10.8

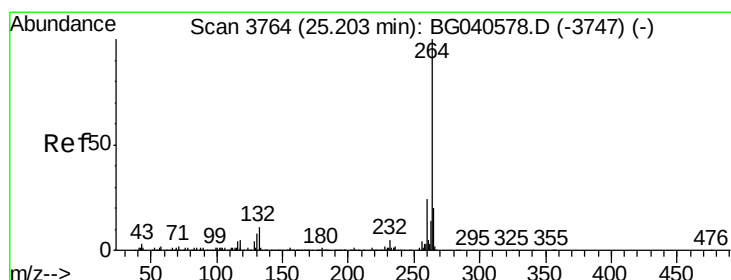
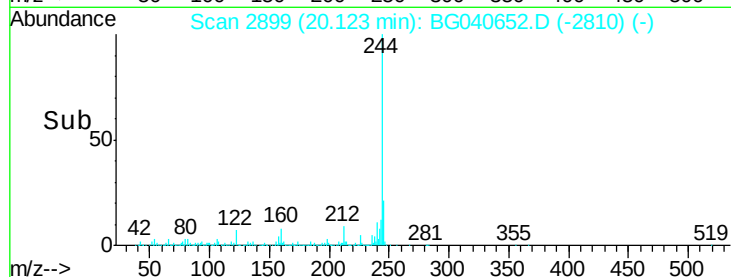
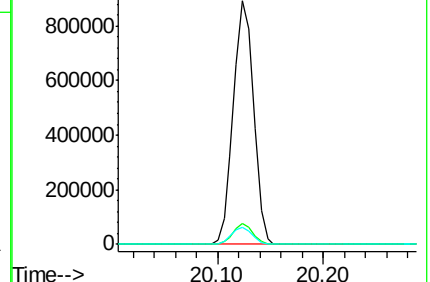
122 7.2 6.6 10.0



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: 25.19 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG040652.D

Acq: 27 Apr 2019 6:41

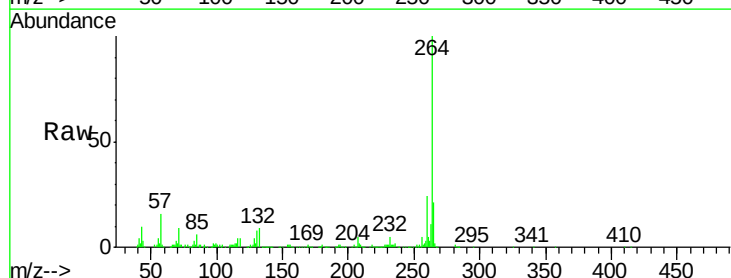
Tgt Ion:264 Resp: 387742

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.1 16.6 25.0



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

