

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061716\
 Data File : BG022440.D
 Acq On : 19 Jun 2016 1:58
 Operator : UM/SJ
 Sample : H3514-03
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5-B2(0-7)C

Quant Time: Jun 20 01:27:41 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

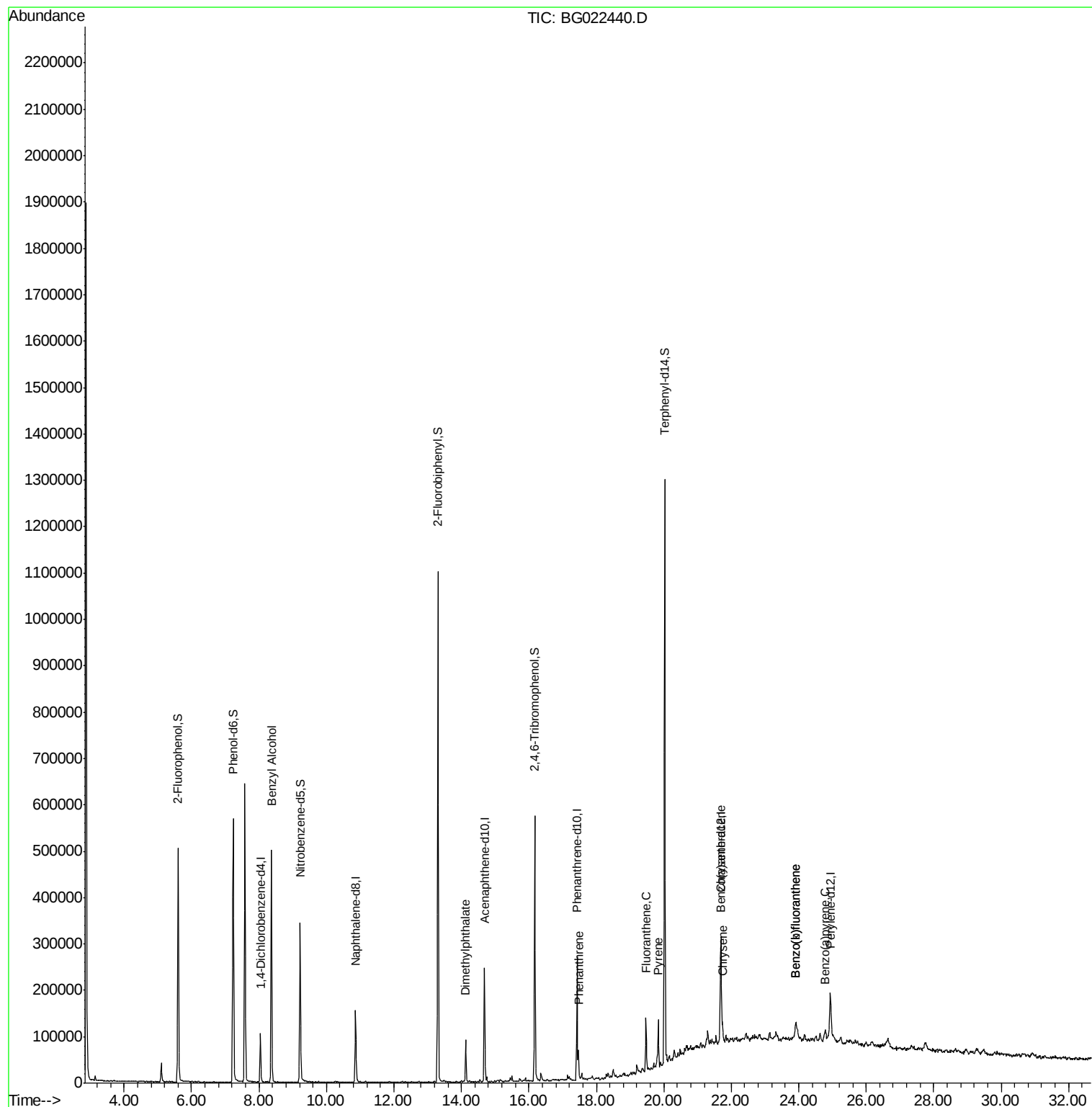
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	37190	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	176612	20.00	ng	-0.05
38) Acenaphthene-d10	14.68	164	94519	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	170025	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	133782	20.00	ng	-0.05
86) Perylene-d12	24.94	264	125123	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	323894	168.39	ng	-0.03
7) Phenol-d6	7.23	99	498938	164.98	ng	-0.02
23) Nitrobenzene-d5	9.22	82	272666	107.63	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	117948	110.44	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	646789	104.28	ng	-0.04
78) Terphenyl-d14	20.03	244	545490	96.80	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	8.37	79	4083	2.09	ng	# 40
49) Dimethylphthalate	14.13	163	76296	9.74	ng	99
70) Phenanthrene	17.47	178	39906	4.32	ng	98
74) Fluoranthene	19.47	202	76029	7.16	ng	97
77) Pyrene	19.84	202	65629	7.89	ng	97
80) Benzo(a)anthracene	21.68	228	30643	4.08	ng	98
82) Chrysene	21.74	228	27778	3.81	ng	97
87) Benzo(b)fluoranthene	23.90	252	54013	7.40	ng	# 79
88) Benzo(k)fluoranthene	23.90	252	54013	7.52	ng	# 79
89) Benzo(a)pyrene	24.78	252	23000	3.30	ng	# 84

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 886

Delta R.T. -0.05 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S5-B2(0-7)C

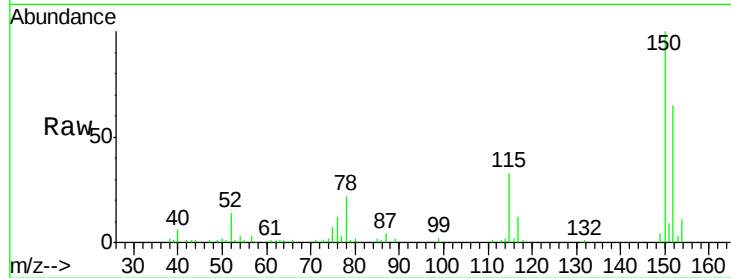
Tgt Ion:152 Resp: 37190

Ion Ratio Lower Upper

152 100

150 154.2 130.1 195.1

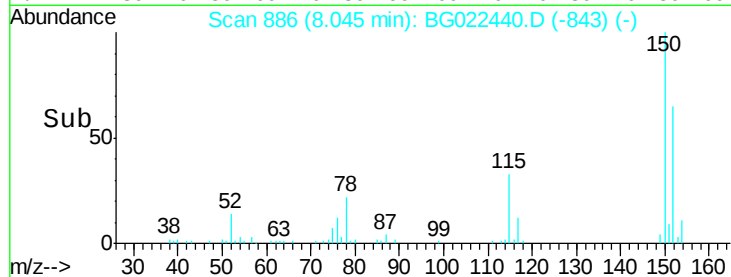
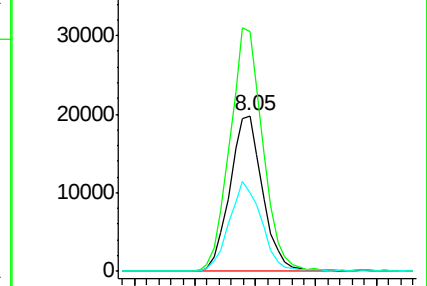
115 50.4 62.2 93.2#



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: 168.39 ng

RT: 5.60 min Scan# 470

Delta R.T. -0.03 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

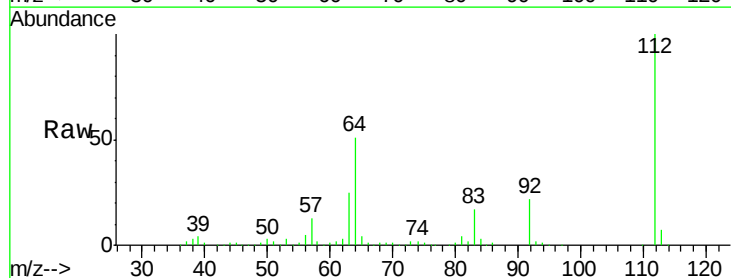
Tgt Ion:112 Resp: 323894

Ion Ratio Lower Upper

112 100

64 51.2 51.1 76.7

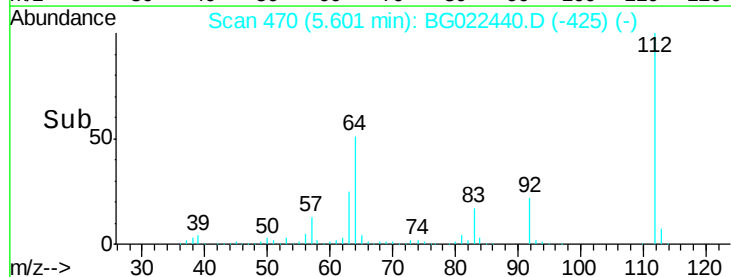
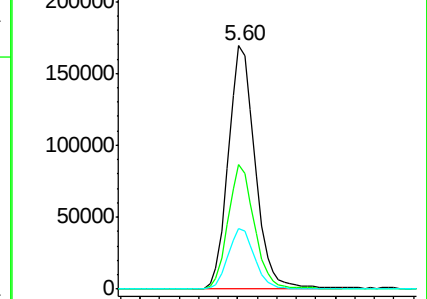
63 24.8 24.6 37.0

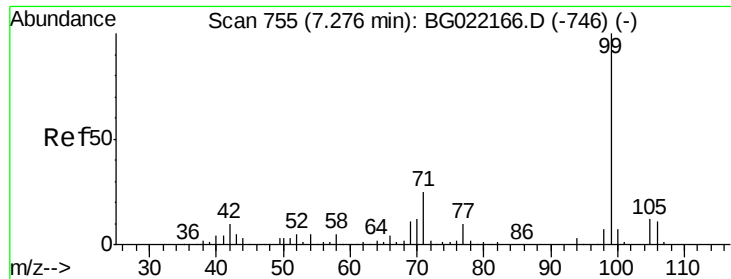


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 164.98 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S5-B2(0-7)C

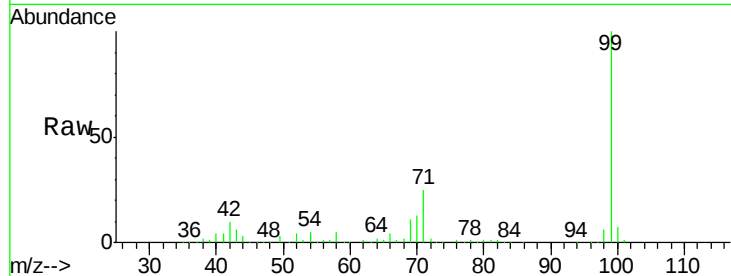
Tgt Ion: 99 Resp: 498938

Ion Ratio Lower Upper

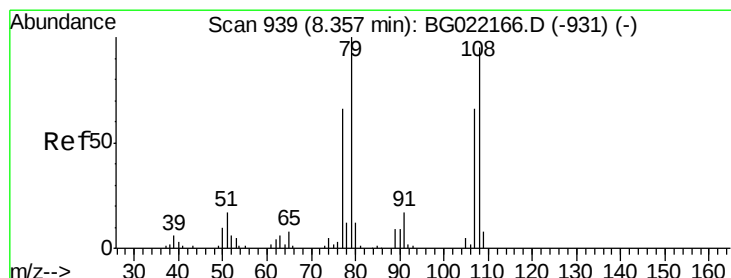
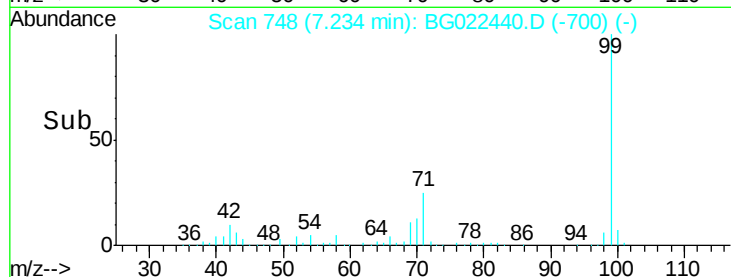
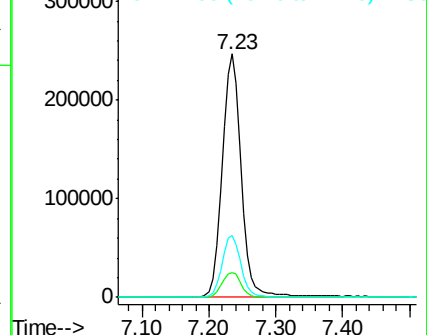
99 100

42 10.2 16.4 24.6#

71 25.3 25.0 37.4



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



#15

Benzyl Alcohol

Concen: 2.09 ng

RT: 8.37 min Scan# 941

Delta R.T. 0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

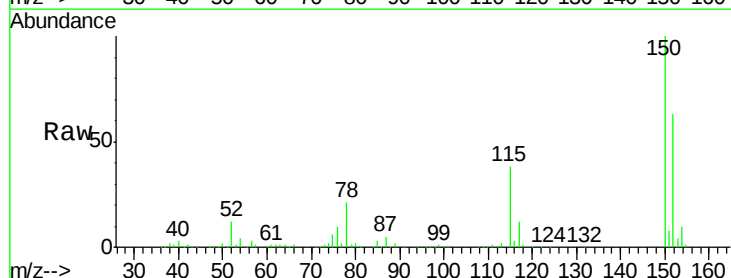
Tgt Ion: 79 Resp: 4083

Ion Ratio Lower Upper

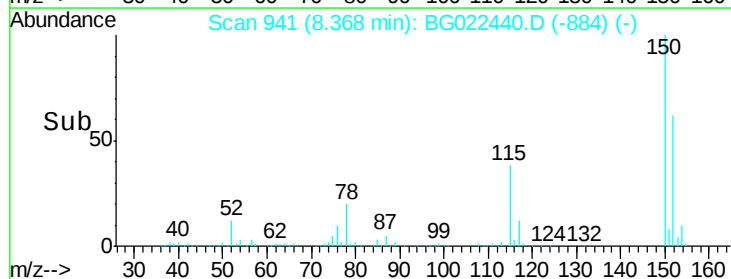
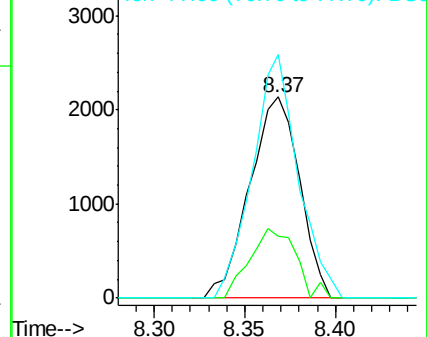
79 100

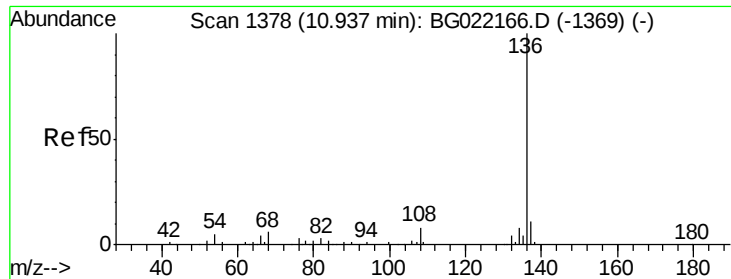
108 30.9 59.4 89.0#

77 121.0 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

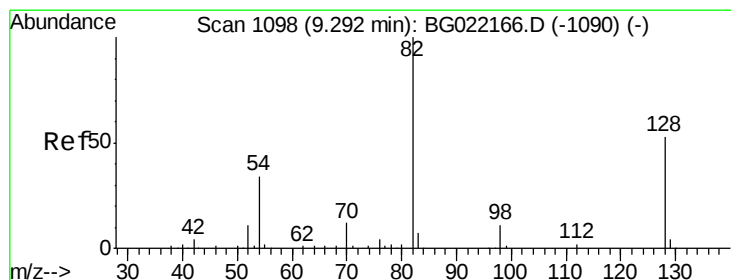
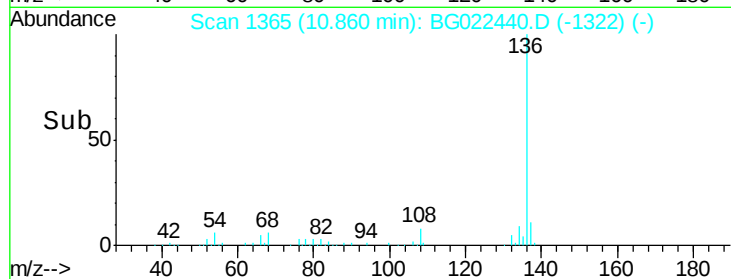
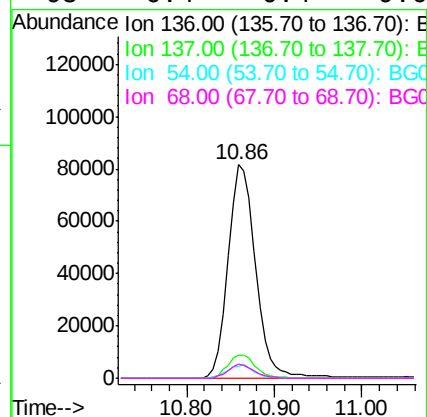
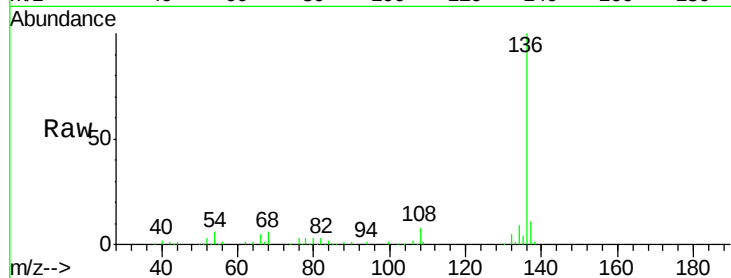




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1365
Delta R.T. -0.05 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

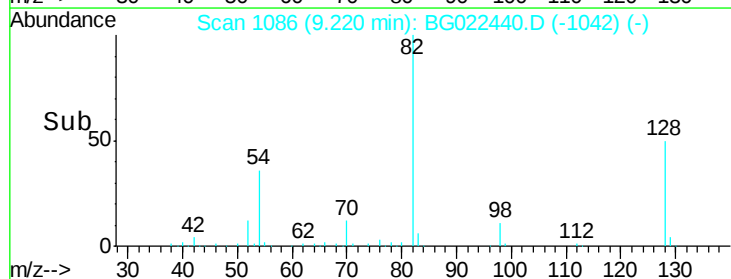
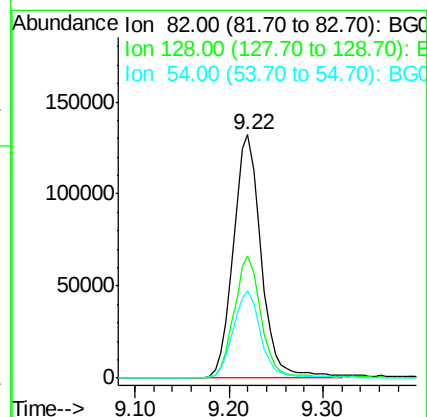
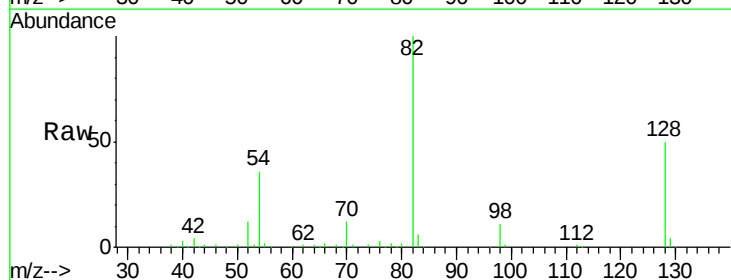
Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

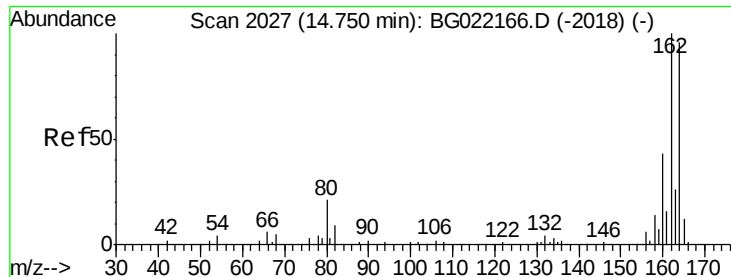
Tgt Ion:	136	Resp:	176612
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.7	9.6	14.4#
68	6.4	6.4	9.6



#23
Nitrobenzene-d5
Concen: 107.63 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.04 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion:	82	Resp:	272666
Ion	Ratio	Lower	Upper
82	100		
128	50.2	33.4	50.0#
54	35.7	46.1	69.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S5-B2(0-7)C

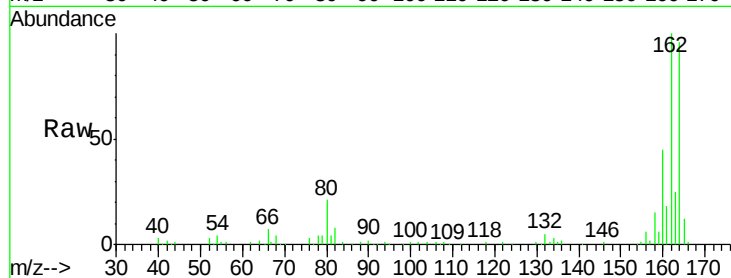
Tgt Ion:164 Resp: 94519

Ion Ratio Lower Upper

164 100

162 103.9 78.0 117.0

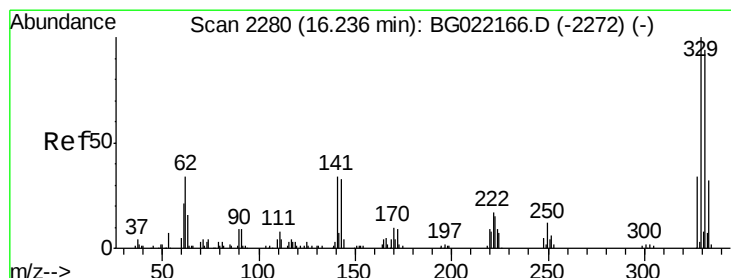
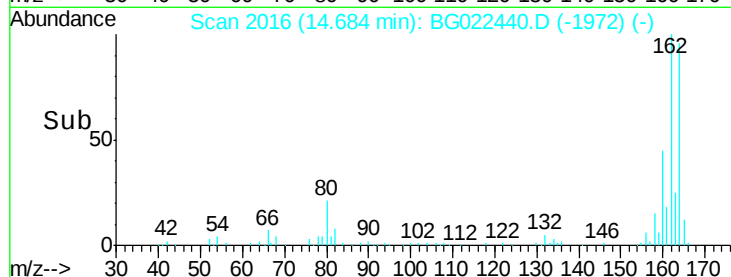
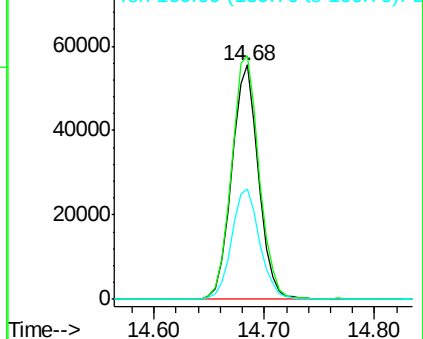
160 47.2 32.9 49.3



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



#41

2,4,6-Tribromophenol

Concen: 110.44 ng

RT: 16.18 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

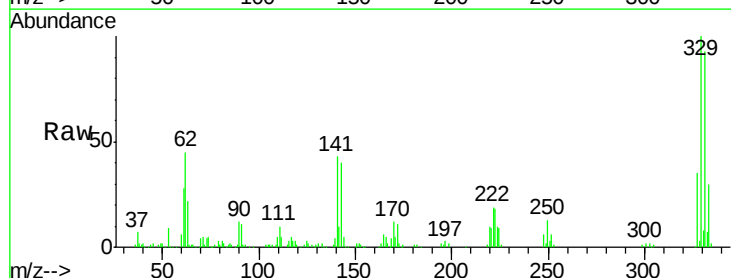
Tgt Ion:330 Resp: 117948

Ion Ratio Lower Upper

330 100

332 95.5 78.0 117.0

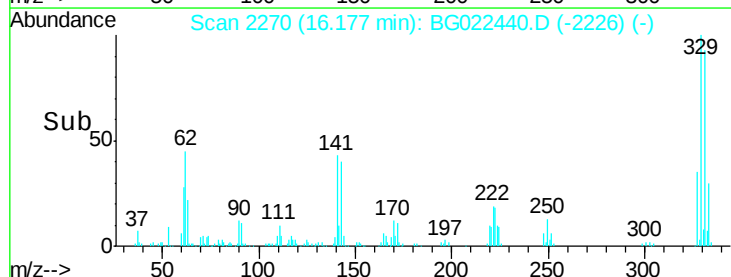
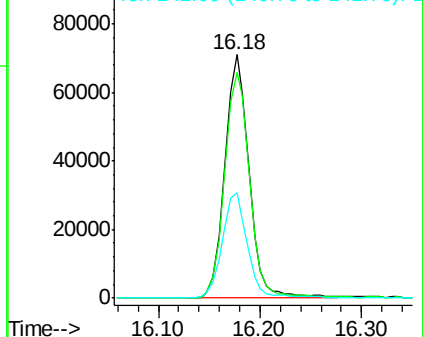
141 45.1 33.8 50.8

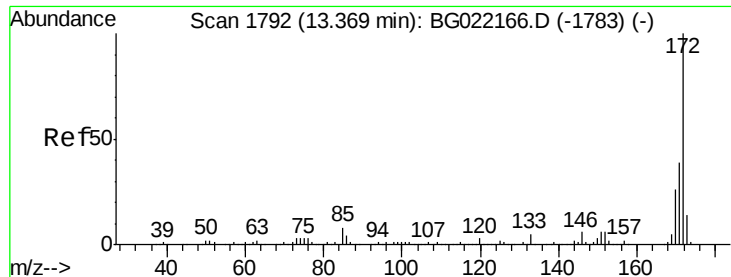


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

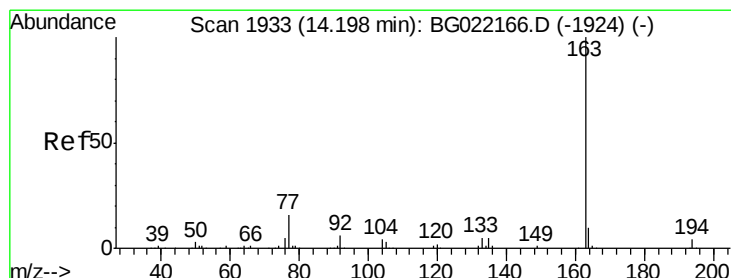
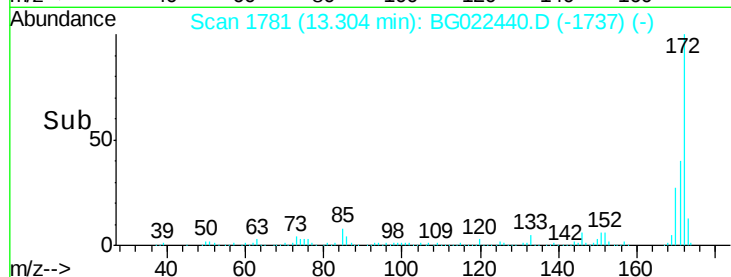
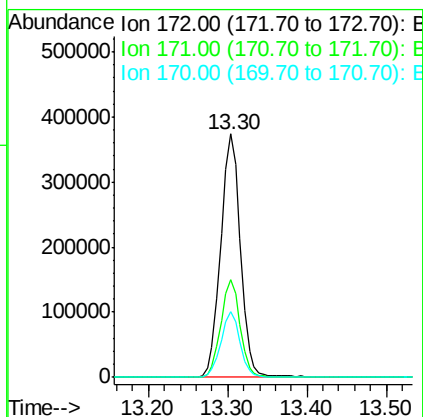
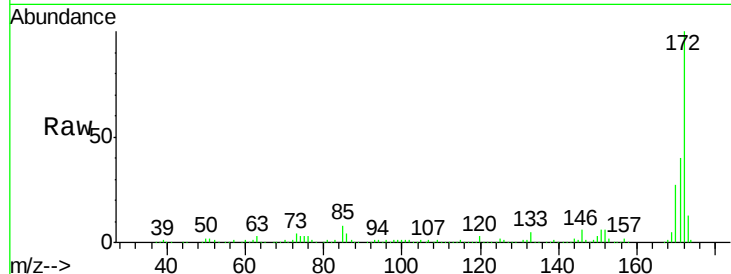




#44
 2-Fluorobiphenyl
 Concen: 104.28 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

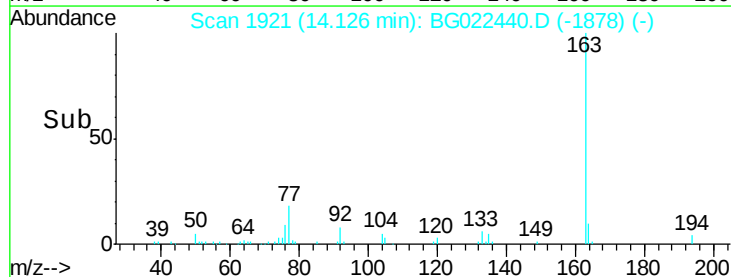
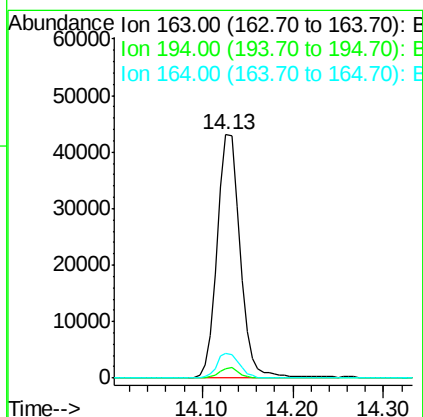
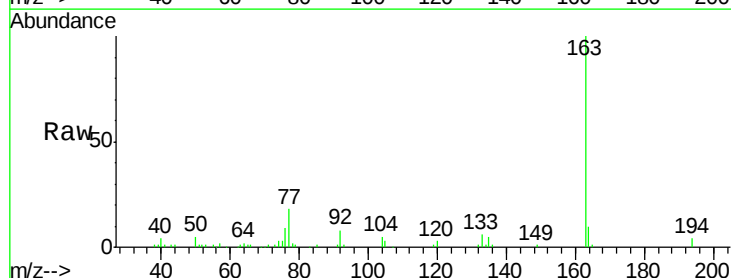
Instrument :
 BNA_G
 ClientSampleId :
 S5-B2(0-7)C

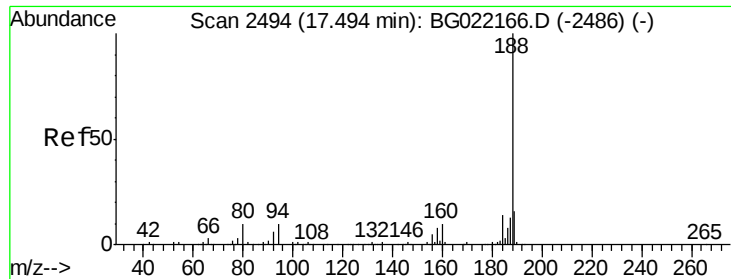
Tgt Ion:172 Resp: 646789
 Ion Ratio Lower Upper
 172 100
 171 40.2 27.8 41.6
 170 27.0 19.6 29.4



#49
 Dimethylphthalate
 Concen: 9.74 ng
 RT: 14.13 min Scan# 1921
 Delta R.T. -0.05 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

Tgt Ion:163 Resp: 76296
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.0 4.6
 164 10.4 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.43 min Scan# 2483

Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S5-B2(0-7)C

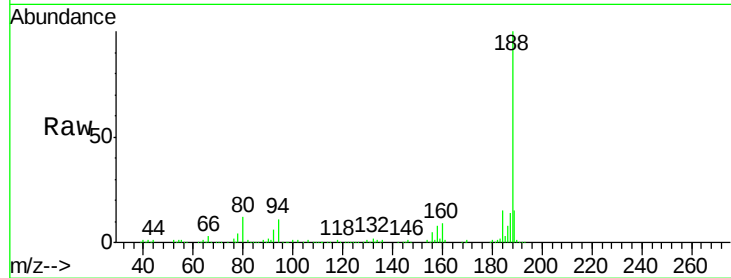
Tgt Ion:188 Resp: 170025

Ion Ratio Lower Upper

188 100

94 10.6 7.5 11.3

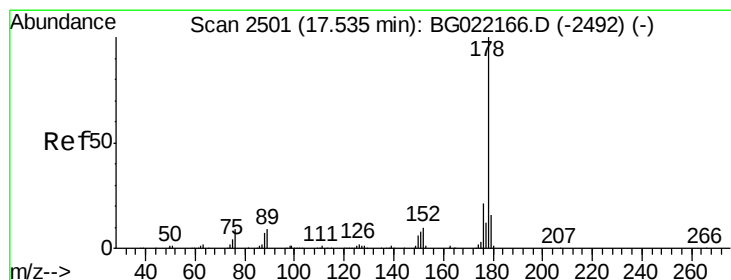
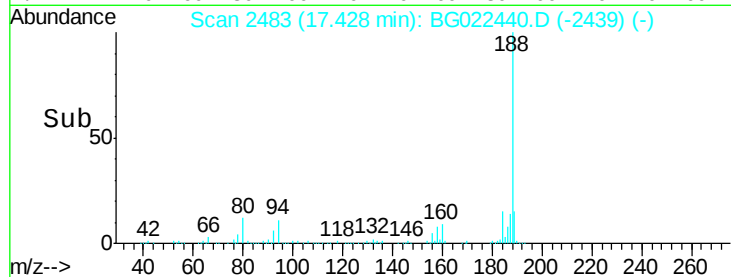
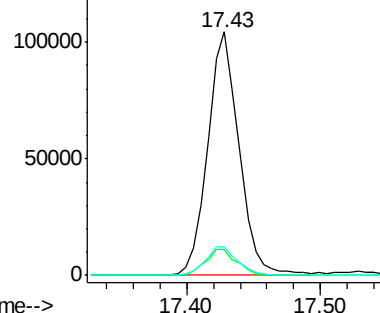
80 11.5 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#70

Phenanthrene

Concen: 4.32 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

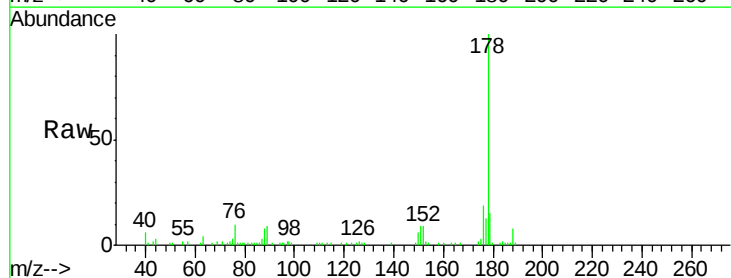
Tgt Ion:178 Resp: 39906

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

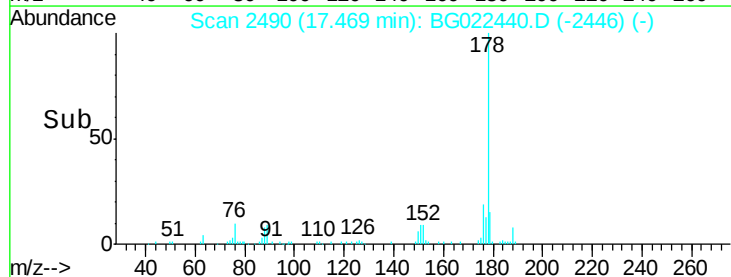
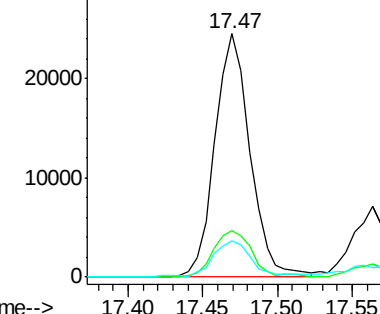
179 14.9 12.0 18.0

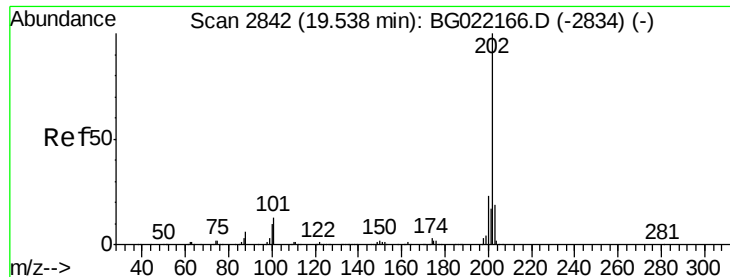


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.16 ng

RT: 19.47 min Scan# 2831

Delta R.T. -0.04 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

Instrument :

BNA_G

ClientSampleId :

S5-B2(0-7)C

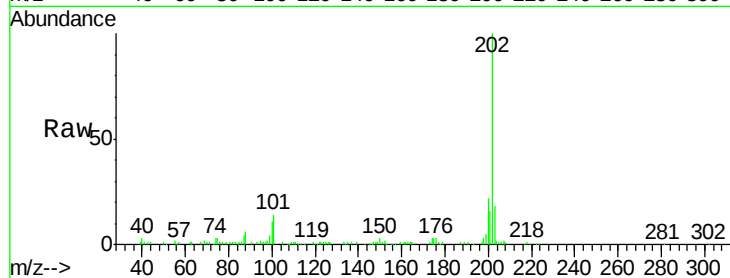
Tgt Ion:202 Resp: 76029

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.0

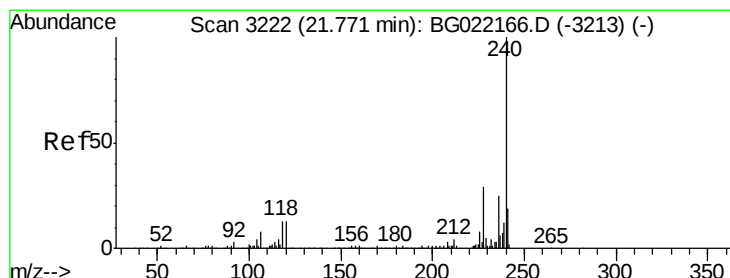
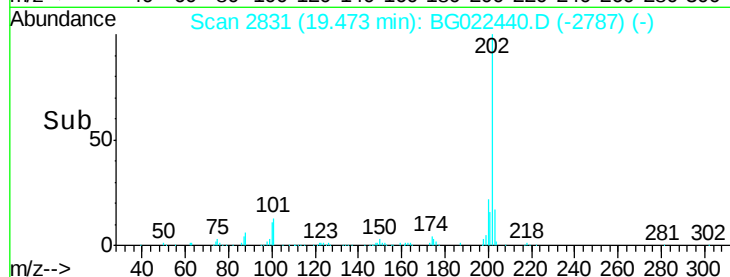
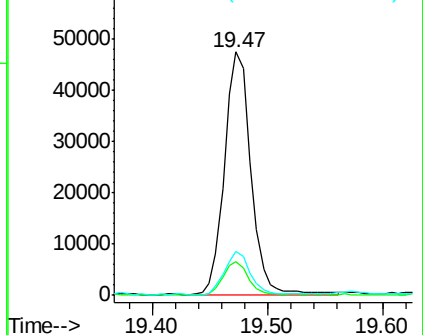
203 18.0 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3209

Delta R.T. -0.05 min

Lab File: BG022440.D

Acq: 19 Jun 2016 1:58

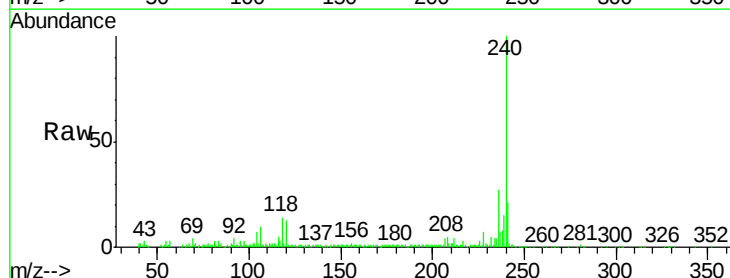
Tgt Ion:240 Resp: 133782

Ion Ratio Lower Upper

240 100

120 13.2 8.4 12.6#

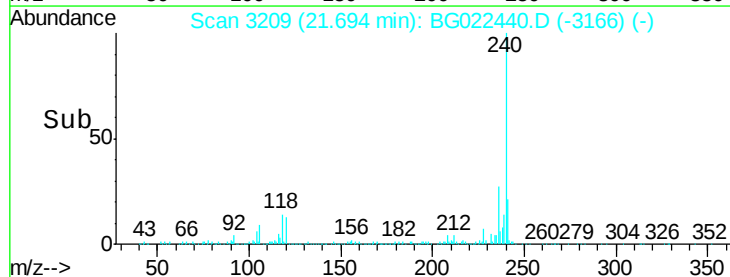
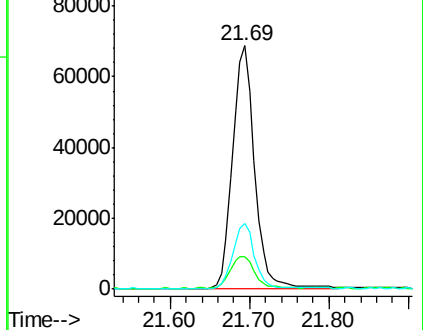
236 27.2 19.6 29.4

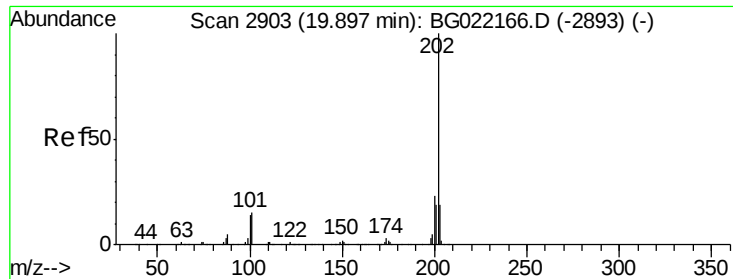


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

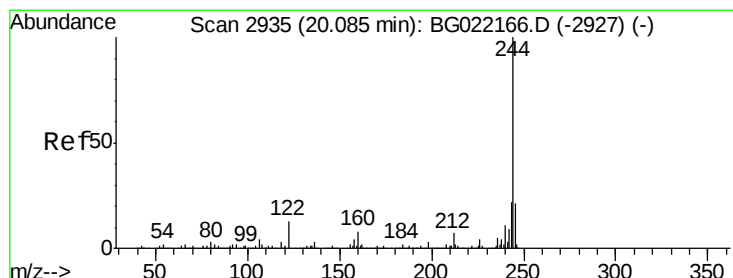
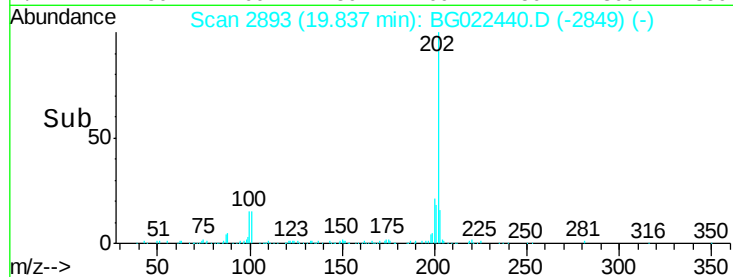
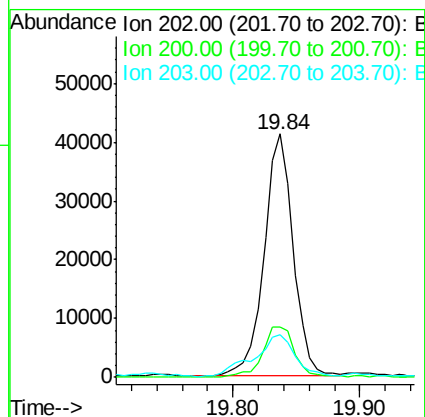
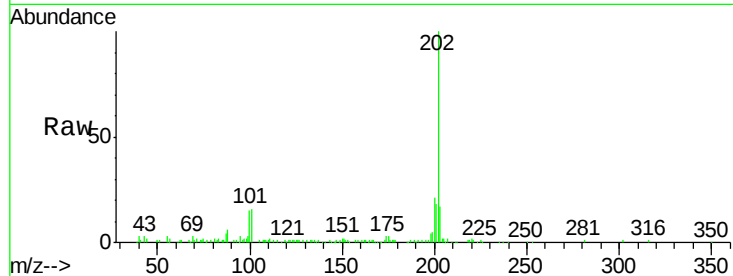




#77
 Pyrene
 Concen: 7.89 ng
 RT: 19.84 min Scan# 2893
 Delta R.T. -0.04 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

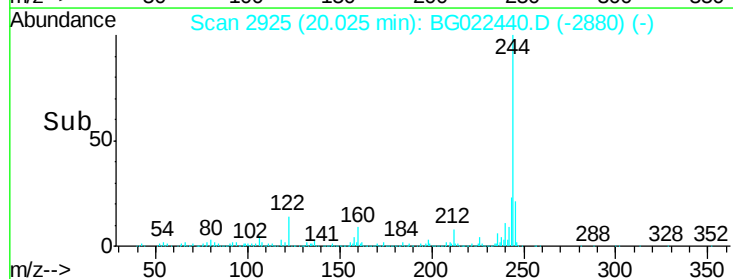
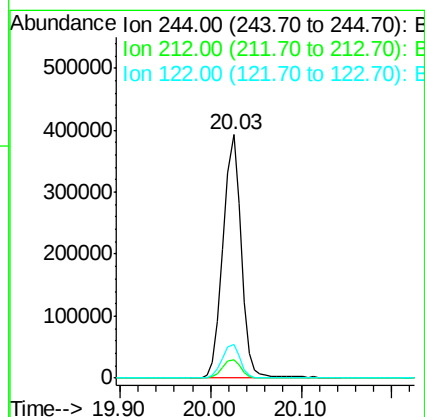
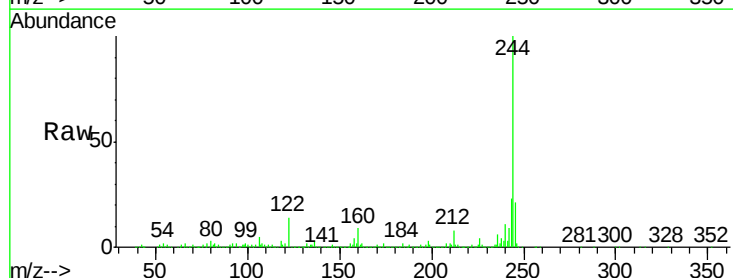
Instrument :
 BNA_G
 ClientSampleId :
 S5-B2(0-7)C

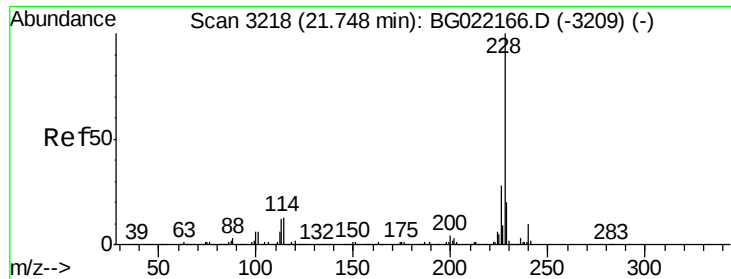
Tgt Ion:202 Resp: 65629
 Ion Ratio Lower Upper
 202 100
 200 20.9 18.2 27.2
 203 17.3 15.0 22.4



#78
 Terphenyl-d14
 Concen: 96.80 ng
 RT: 20.03 min Scan# 2925
 Delta R.T. -0.03 min
 Lab File: BG022440.D
 Acq: 19 Jun 2016 1:58

Tgt Ion:244 Resp: 545490
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 13.9 8.6 12.8#

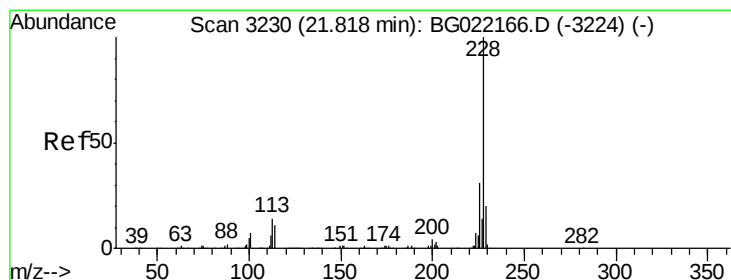
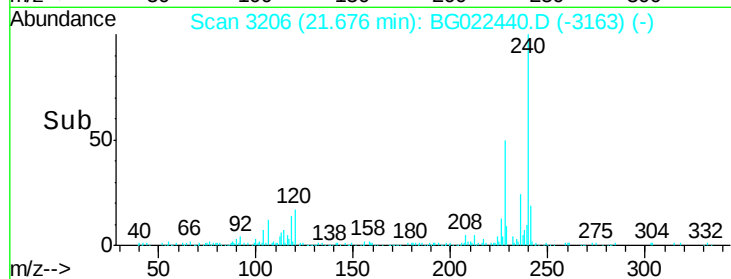
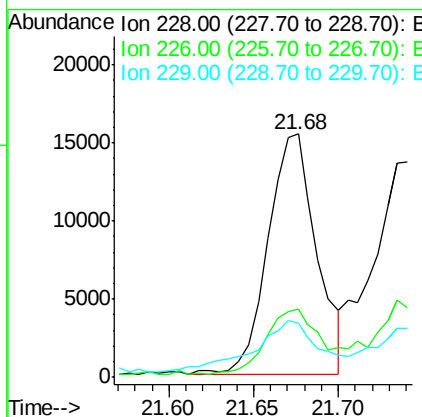
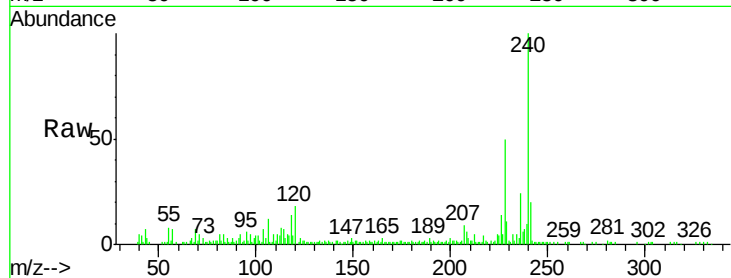




#80
Benzo(a)anthracene
Concen: 4.08 ng
RT: 21.68 min Scan# 3206
Delta R.T. -0.05 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

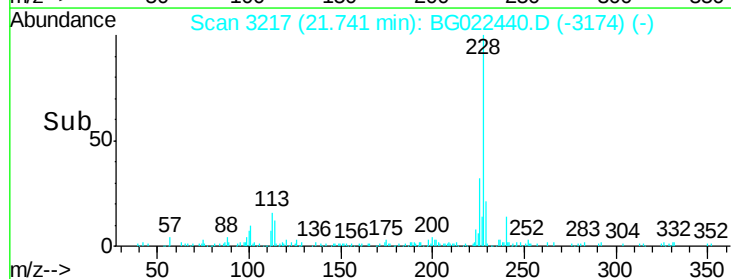
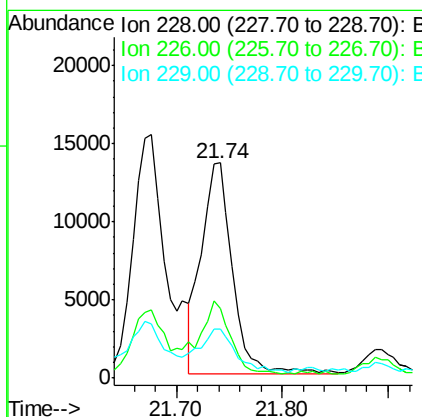
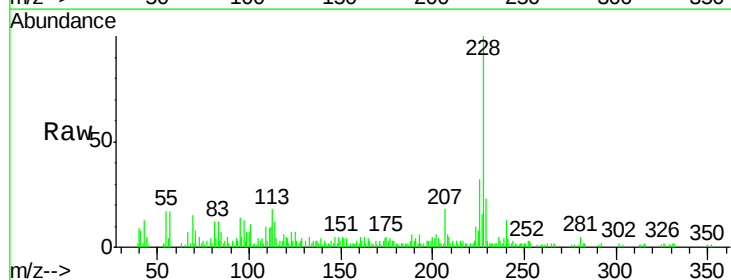
Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

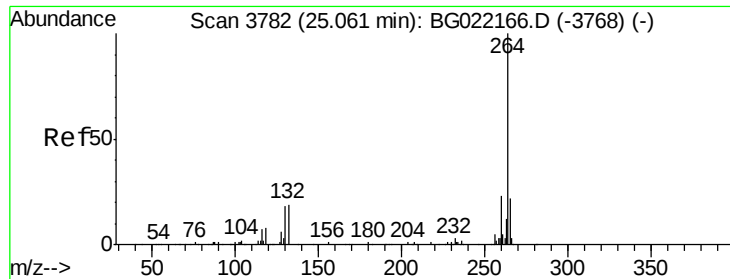
Tgt Ion:228 Resp: 30643
Ion Ratio Lower Upper
228 100
226 28.2 22.6 34.0
229 22.3 16.1 24.1



#82
Chrysene
Concen: 3.81 ng
RT: 21.74 min Scan# 3217
Delta R.T. -0.05 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion:228 Resp: 27778
Ion Ratio Lower Upper
228 100
226 32.4 25.4 38.0
229 22.6 15.9 23.9

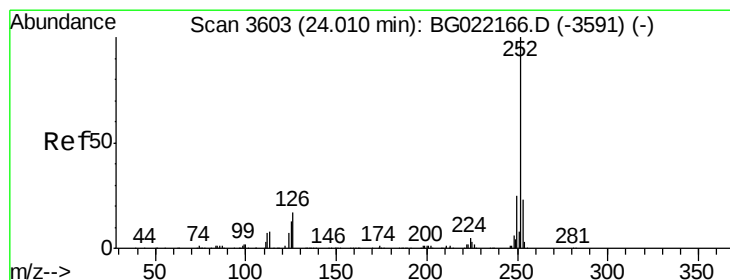
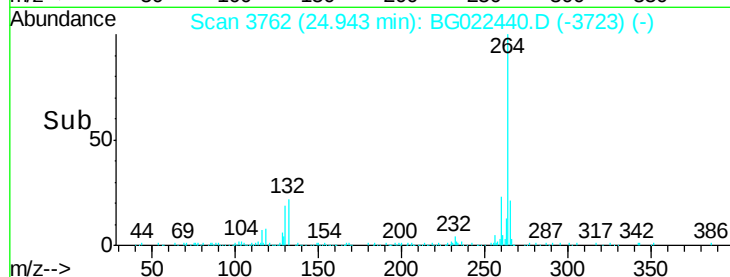
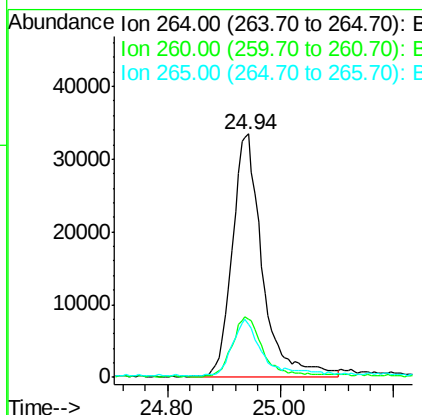
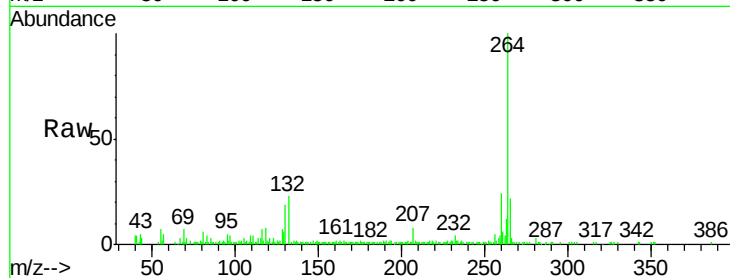




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.94 min Scan# 3762
Delta R.T. -0.07 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

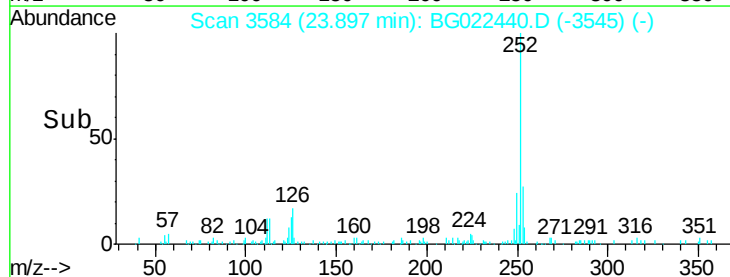
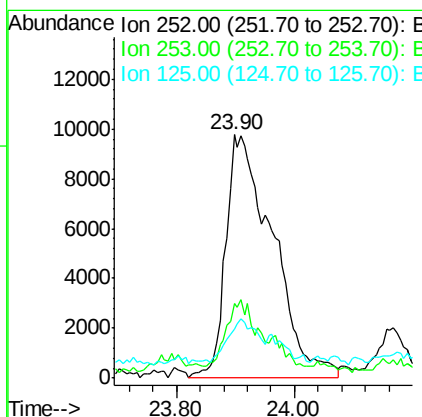
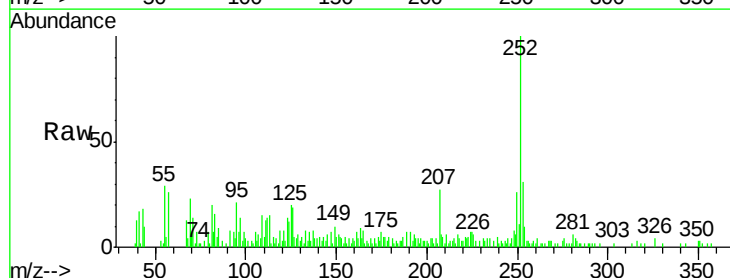
Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

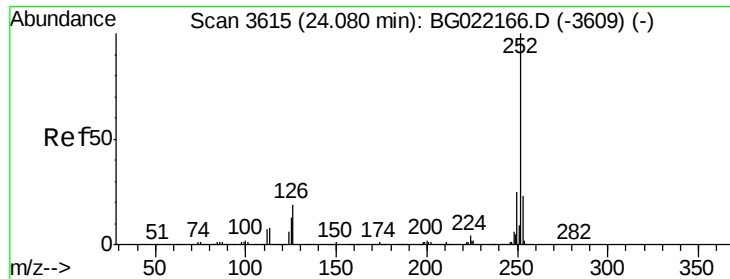
Tgt Ion:264 Resp: 125123
Ion Ratio Lower Upper
264 100
260 24.0 20.2 30.4
265 21.6 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 7.40 ng
RT: 23.90 min Scan# 3584
Delta R.T. -0.07 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion:252 Resp: 54013
Ion Ratio Lower Upper
252 100
253 30.9 17.5 26.3#
125 20.4 8.6 13.0#

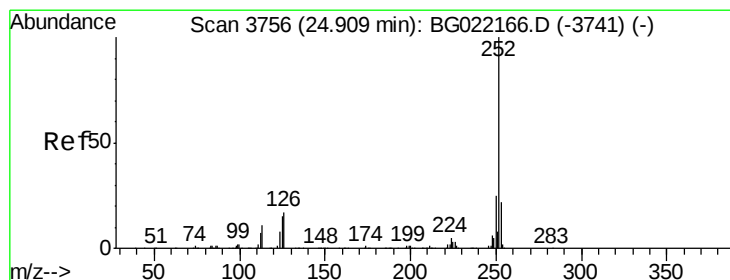
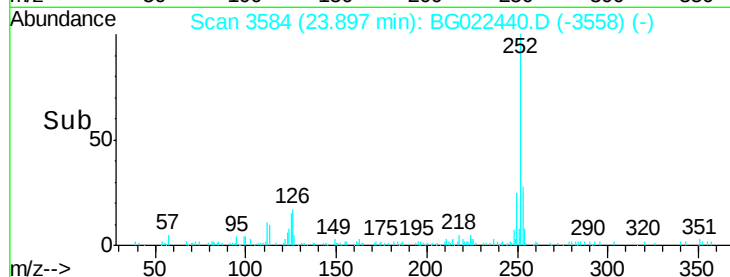
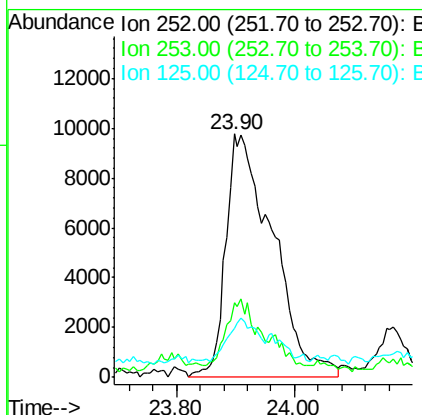
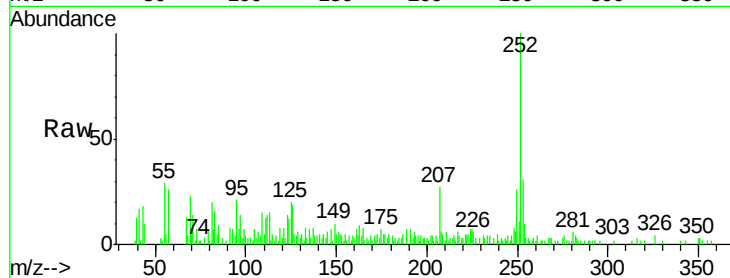




#88
Benzo(k)fluoranthene
Concen: 7.52 ng
RT: 23.90 min Scan# 3584
Delta R.T. -0.15 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Instrument :
BNA_G
ClientSampleId :
S5-B2(0-7)C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.8	26.8#
125	20.4	8.3	12.5#



#89
Benzo(a)pyrene
Concen: 3.30 ng
RT: 24.78 min Scan# 3734
Delta R.T. -0.08 min
Lab File: BG022440.D
Acq: 19 Jun 2016 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	24.4	9.6	14.4#

