

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070916\
 Data File : BG022946.D
 Acq On : 9 Jul 2016 1:25
 Operator : UM/SJ
 Sample : H3900-05
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 09 05:30:55 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

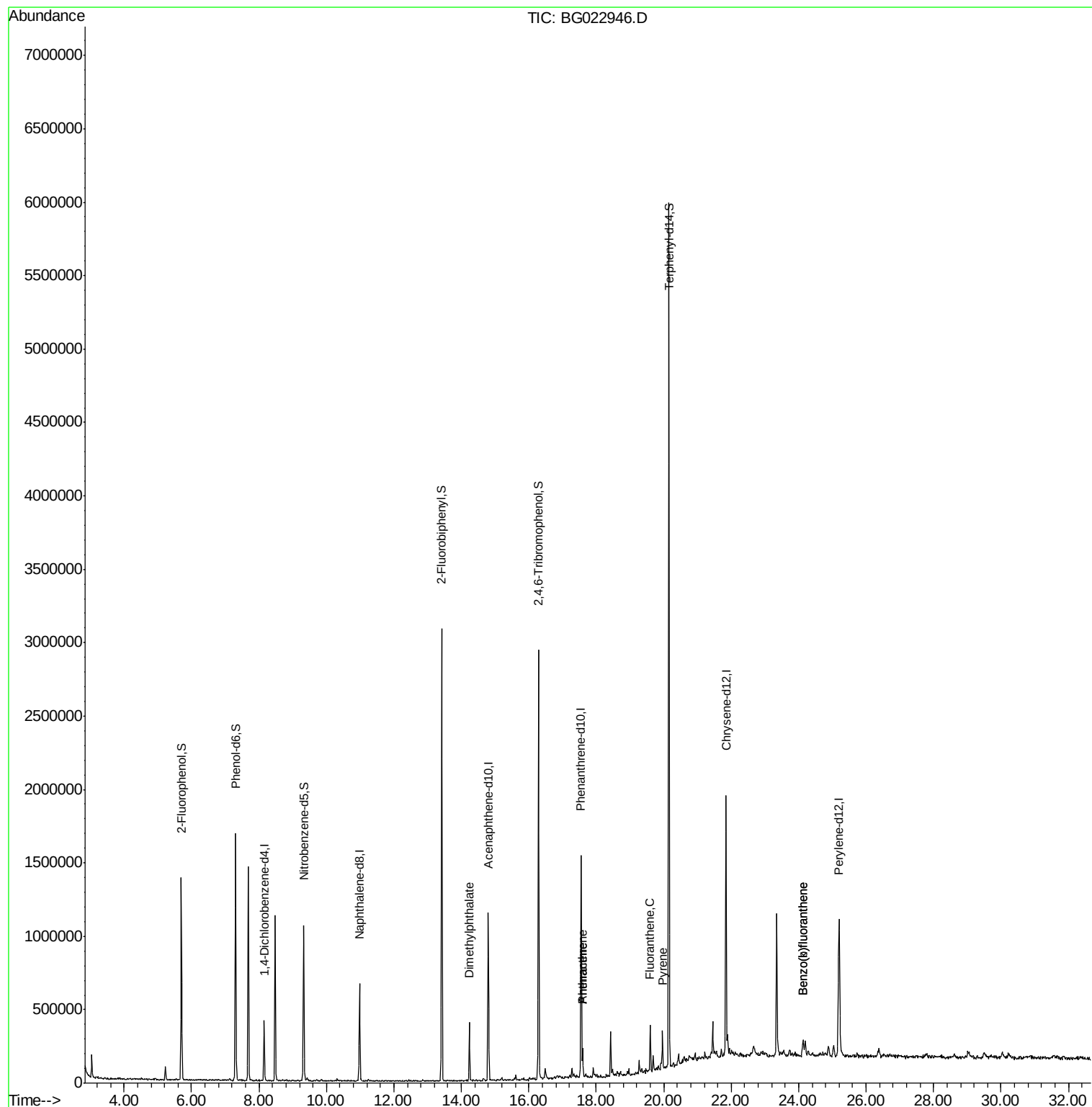
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	108860	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	515838	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	410460	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	945782	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1038923	20.00	ng	0.00
86) Perylene-d12	25.20	264	1064922	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	570875	85.77	ng	0.00
7) Phenol-d6	7.31	99	939234	90.09	ng	0.00
23) Nitrobenzene-d5	9.32	82	695231	57.71	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	552137	74.85	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1553619	59.62	ng	0.00
78) Terphenyl-d14	20.15	244	2314064	64.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.24	163	245837	7.33	ng	96
70) Phenanthrene	17.59	178	119830	2.59	ng	96
71) Anthracene	17.59	178	119830	2.55	ng	96
74) Fluoranthene	19.60	202	200306	3.52	ng	90
77) Pyrene	19.97	202	166695	2.86	ng	# 93
87) Benzo(b)fluoranthene	24.13	252	145980	2.38	ng	# 92
88) Benzo(k)fluoranthene	24.13	252	145980	2.50	ng	# 92

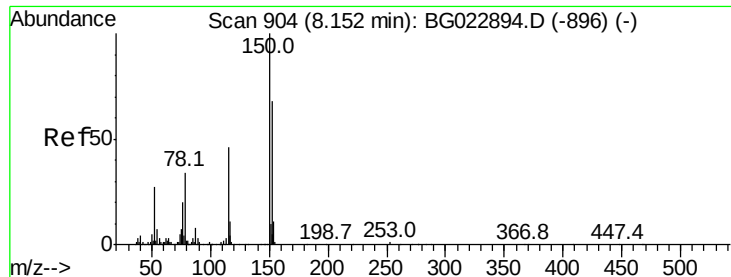
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

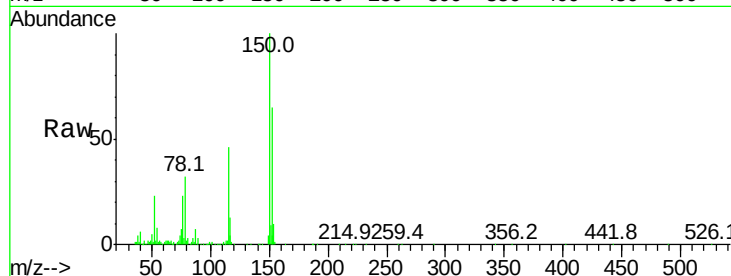
Tot Ion:152 Resp: 108860

Ion Ratio Lower Upper

152 100

150 154.3 144.7 217.1

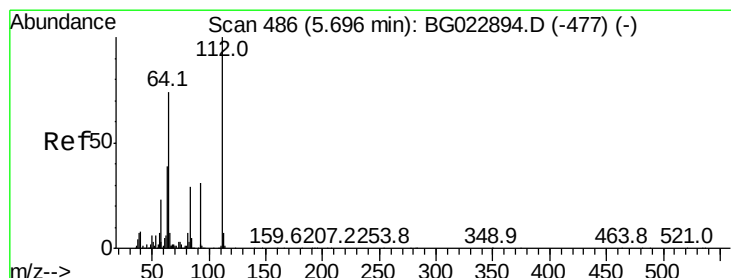
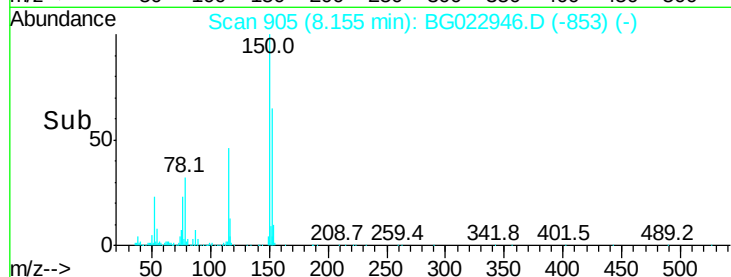
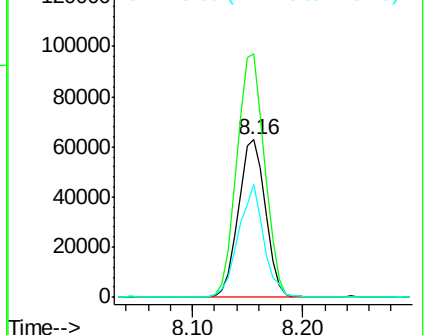
115 71.5 64.0 96.0



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: 85.77 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

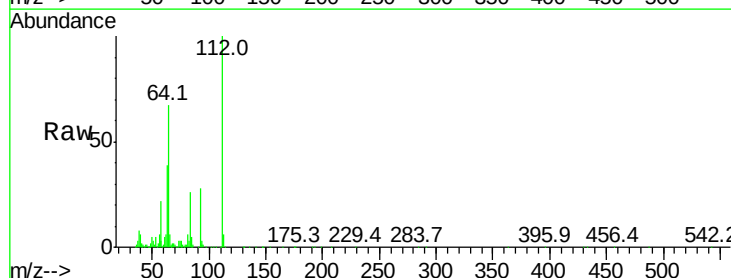
Tgt Ion:112 Resp: 570875

Ion Ratio Lower Upper

112 100

64 67.0 59.0 88.4

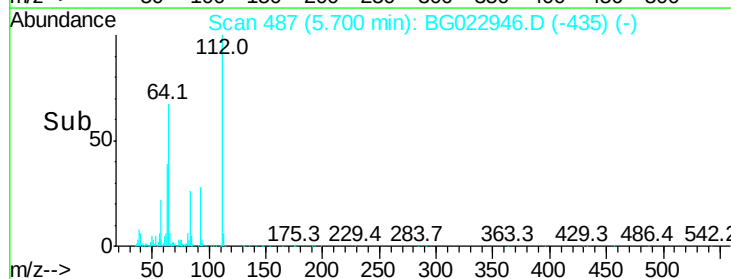
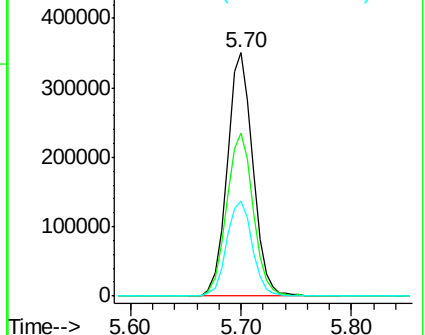
63 39.0 37.8 56.8

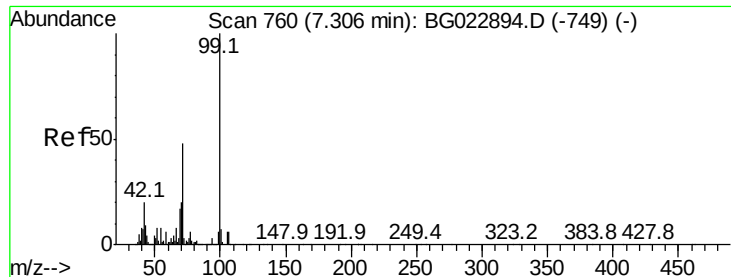


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 90.09 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

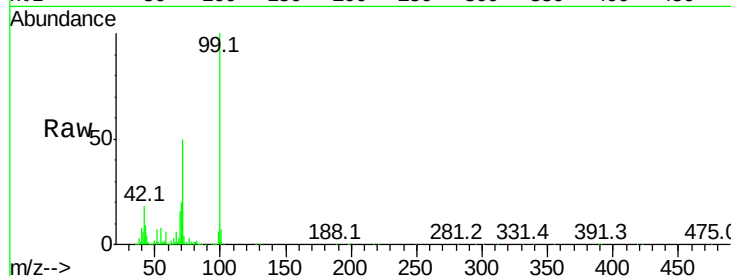
Tot Ion: 99 Resp: 939234

Ion Ratio Lower Upper

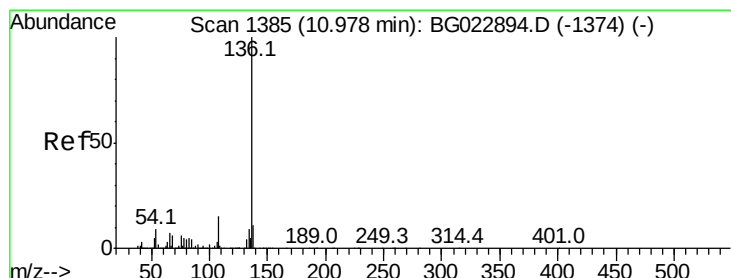
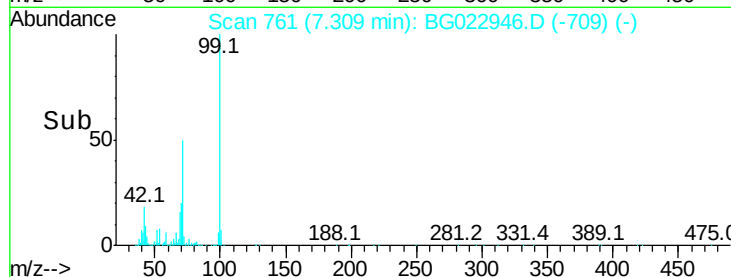
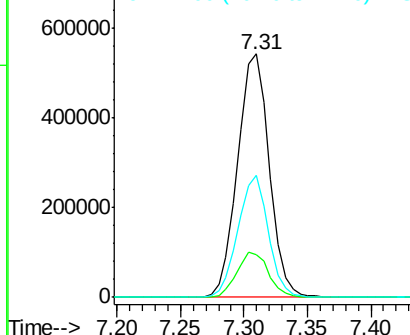
99 100

42 17.7 17.8 26.6#

71 50.0 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. 0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Tgt Ion:136 Resp: 515838

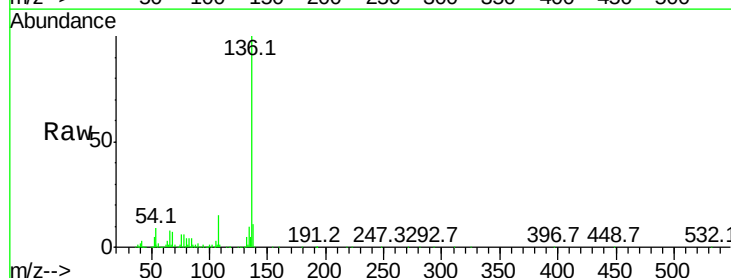
Ion Ratio Lower Upper

136 100

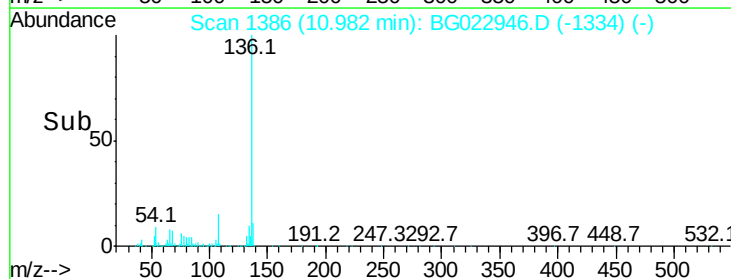
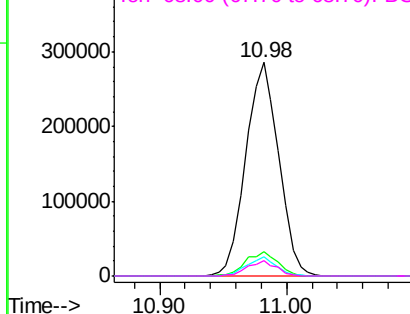
137 11.4 9.6 14.4

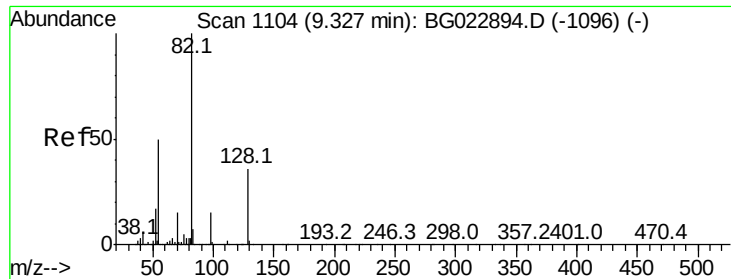
54 9.2 7.3 10.9

68 6.9 5.3 7.9



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

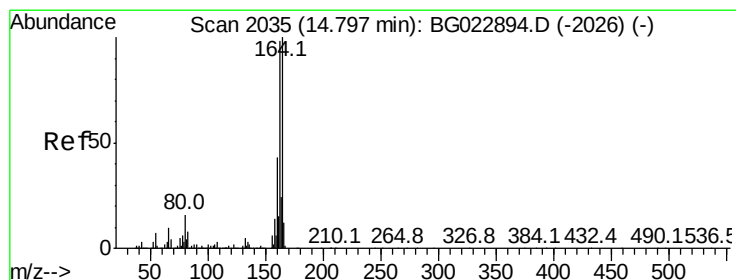
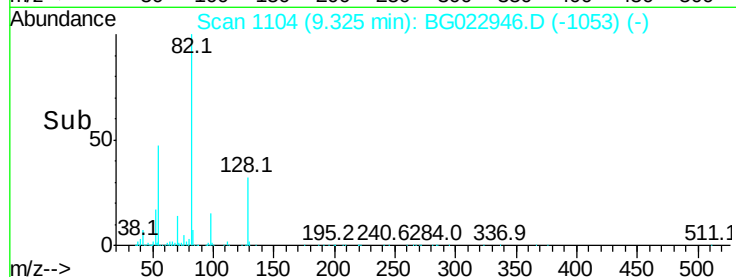
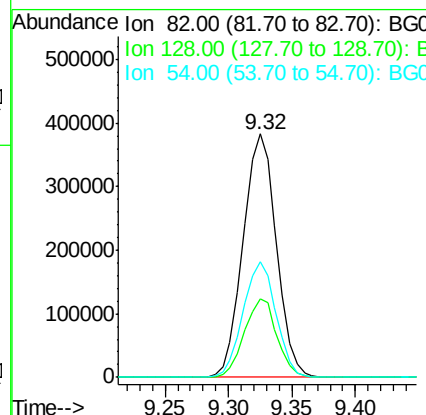
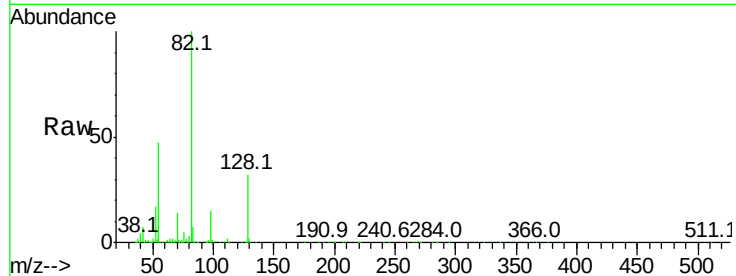




#23
 Nitrobenzene-d5
 Concen: 57.71 ng
 RT: 9.32 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

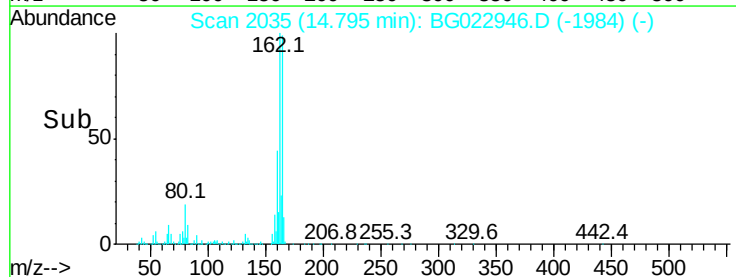
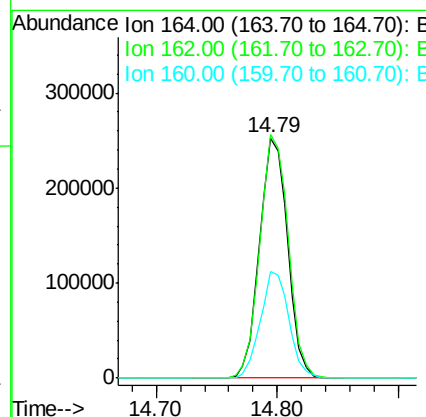
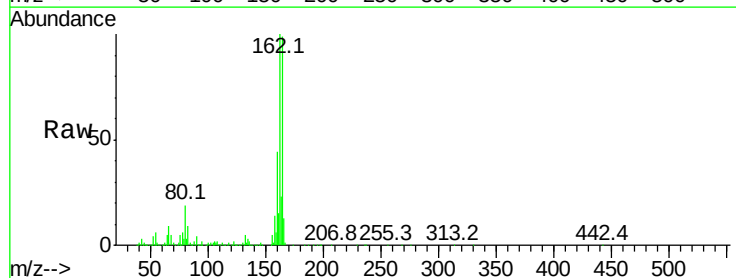
Instrument :
 BNA_G
 ClientSampleId :

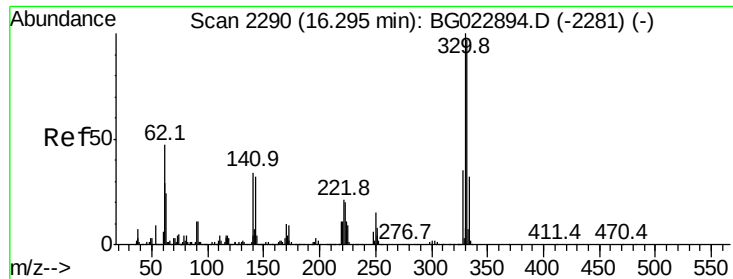
Tot Ion	Ratio	Lower	Upper
82	100		
128	32.4	24.4	36.6
54	47.3	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.79 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	87.7	131.5
160	44.3	37.2	55.8

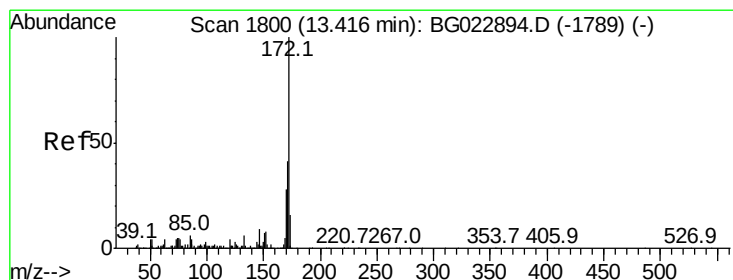
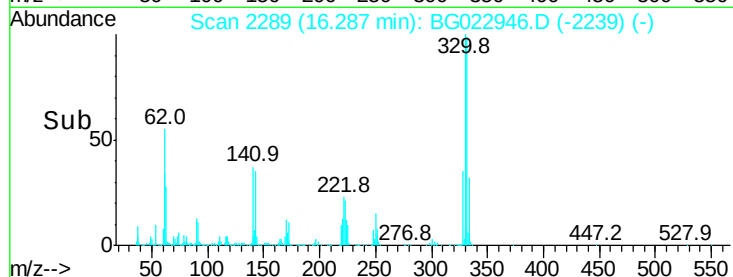
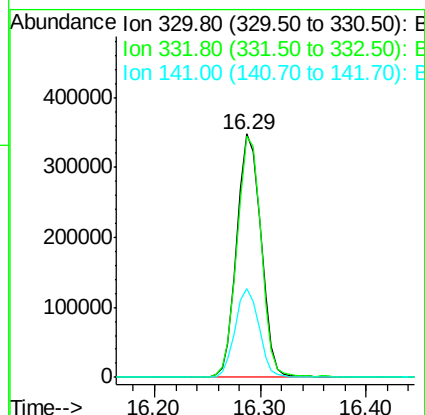
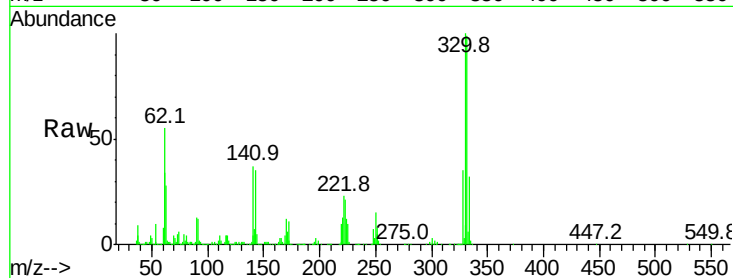




#41
 2,4,6-Tribromophenol
 Concen: 74.85 ng
 RT: 16.29 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

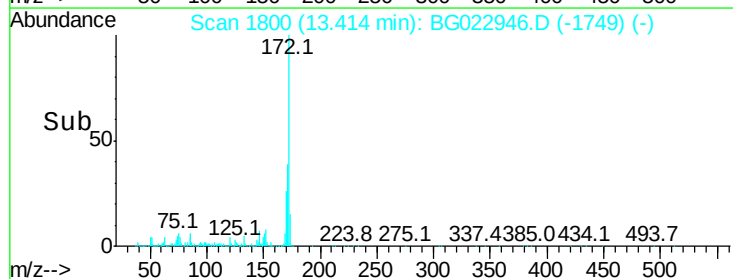
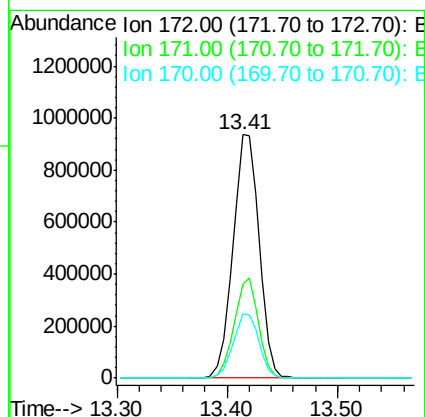
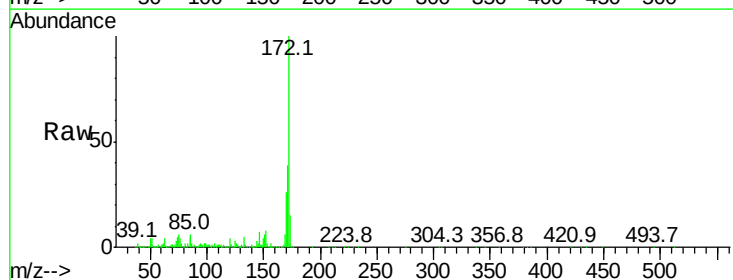
Instrument :
 BNA_G
 ClientSampleId :

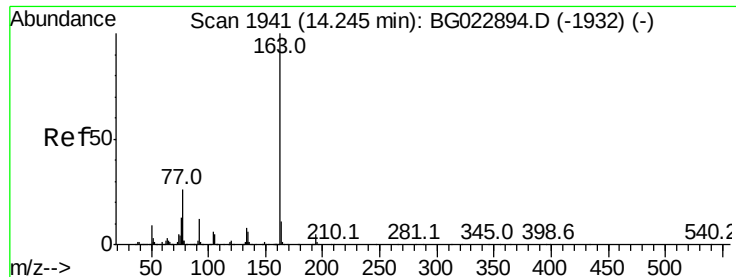
Tot Ion:330 Resp: 552137
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.2
 141 35.9 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 59.62 ng
 RT: 13.41 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: BG022946.D
 Acq: 9 Jul 2016 1:25

Tgt Ion:172 Resp: 1553619
 Ion Ratio Lower Upper
 172 100
 171 38.5 31.6 47.4
 170 26.2 21.3 31.9





#49

Dimethylphthalate

Concen: 7.33 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

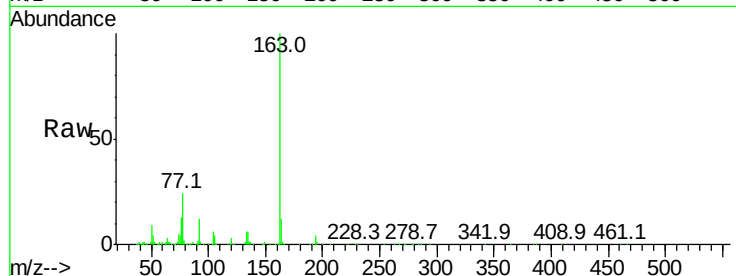
Tot Ion:163 Resp: 245837

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

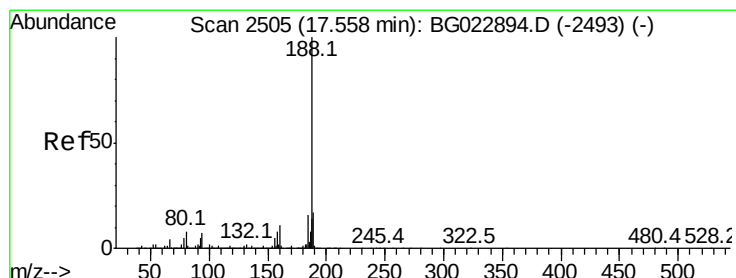
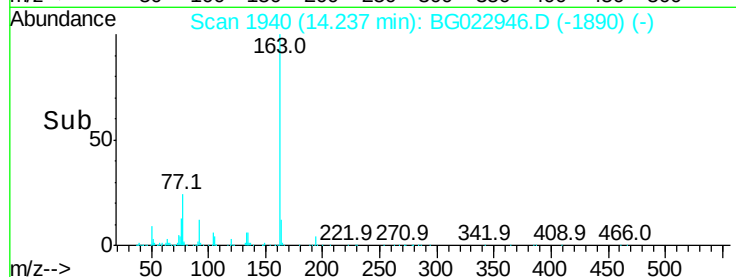
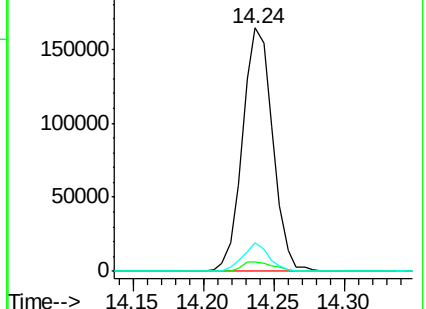
164 11.9 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

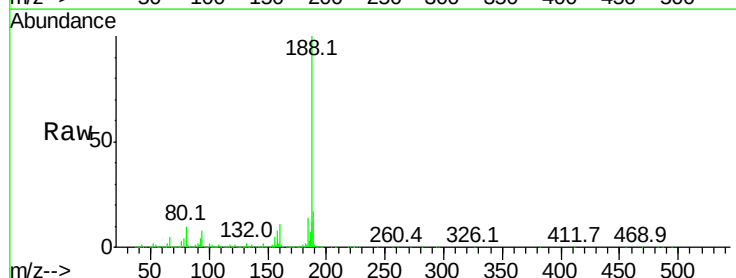
Tgt Ion:188 Resp: 945782

Ion Ratio Lower Upper

188 100

94 7.8 5.2 7.8

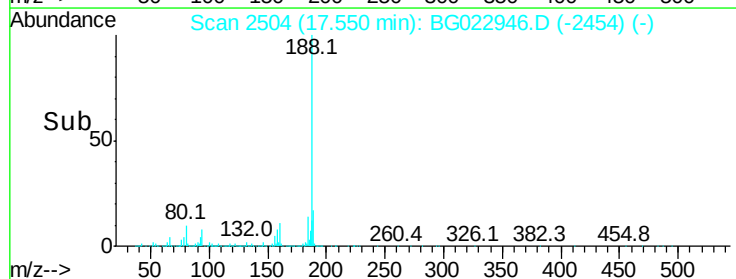
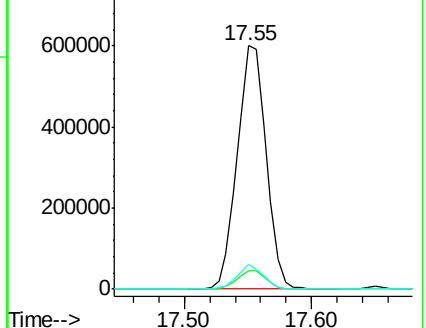
80 10.2 7.2 10.8

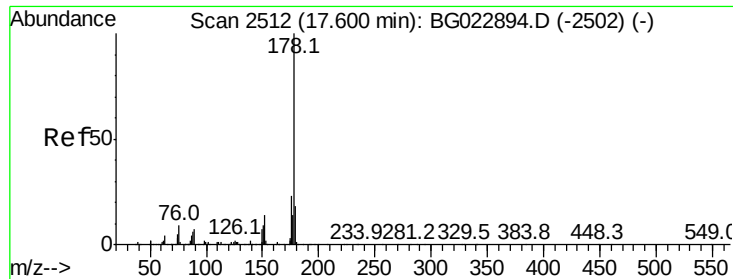


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 2.59 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampled :

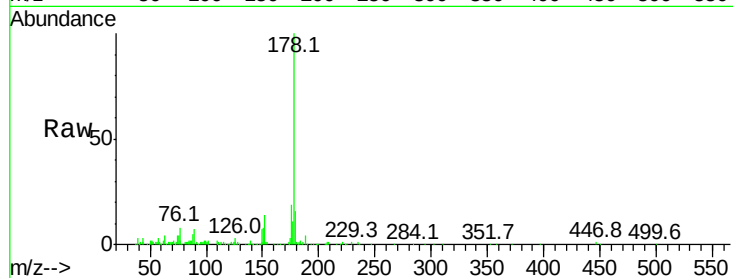
Tot Ion:178 Resp: 119830

Ion Ratio Lower Upper

178 100

176 19.1 16.8 25.2

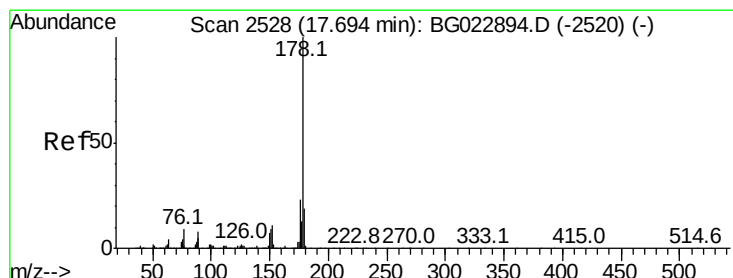
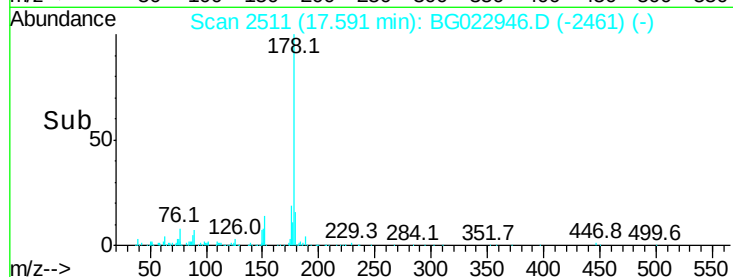
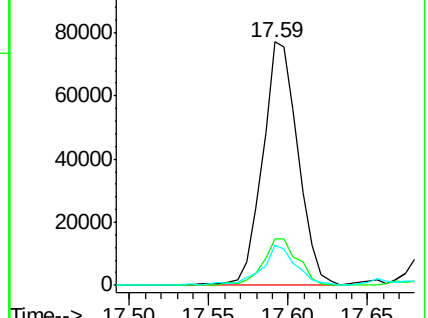
179 16.3 14.3 21.5



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



#71

Anthracene

Concen: 2.55 ng

RT: 17.59 min Scan# 2511

Delta R.T. -0.10 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

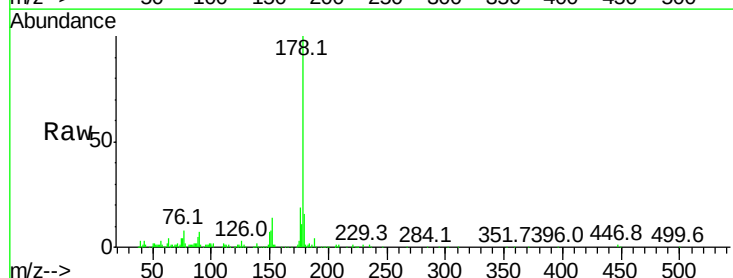
Tgt Ion:178 Resp: 119830

Ion Ratio Lower Upper

178 100

176 19.1 17.3 25.9

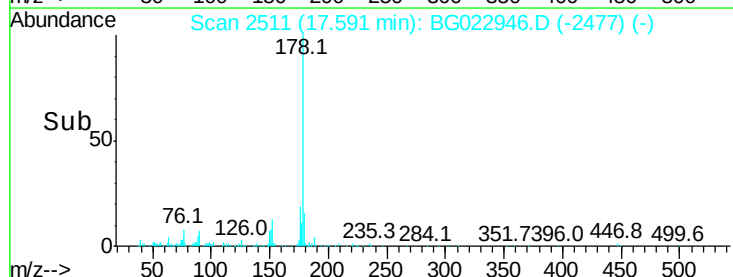
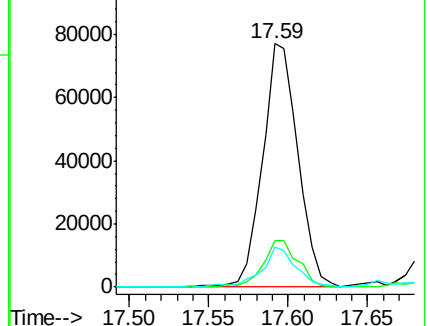
179 16.3 14.0 21.0

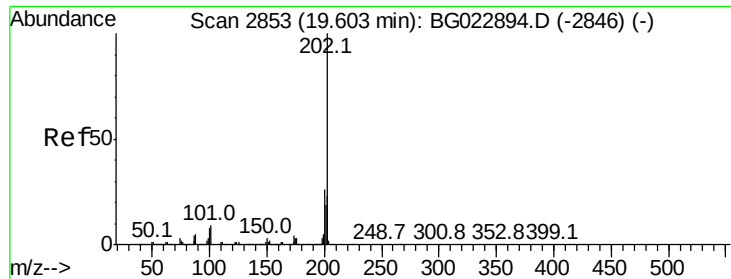


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.52 ng

RT: 19.60 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG022946.D

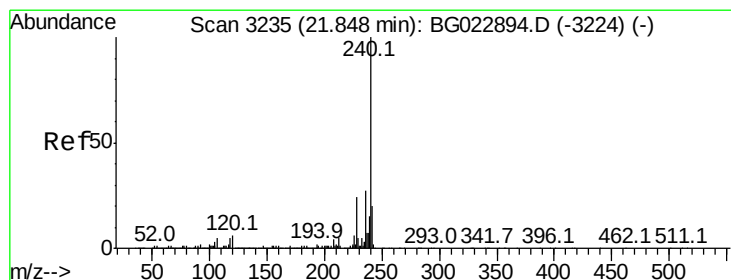
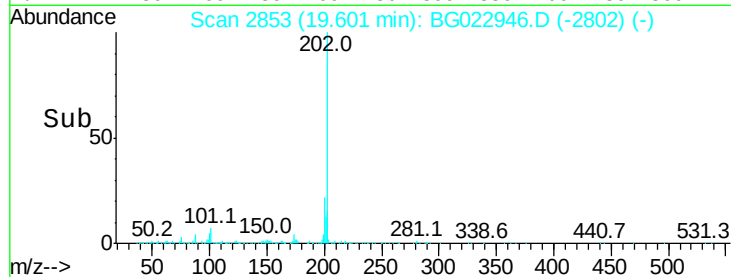
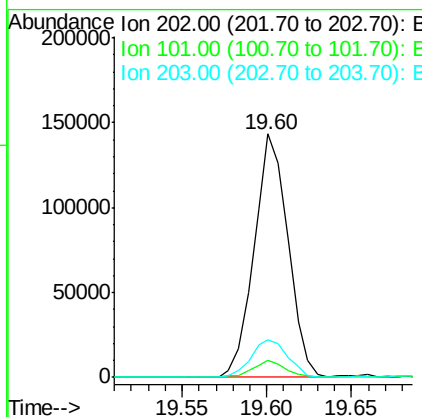
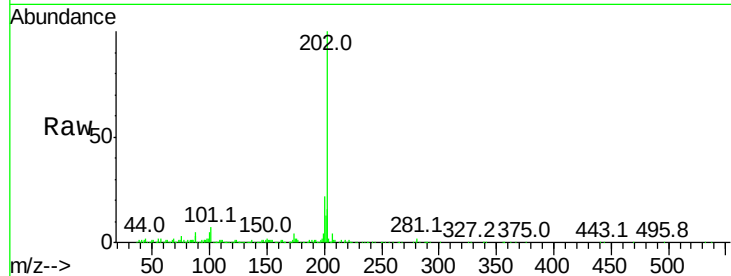
Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	200306
Ion Ratio	Lower	Upper	
202	100		
101	6.8	0.0	27.4
203	15.5	1.7	41.7



#75

Chrysene-d12

Concen: 20.00 ng

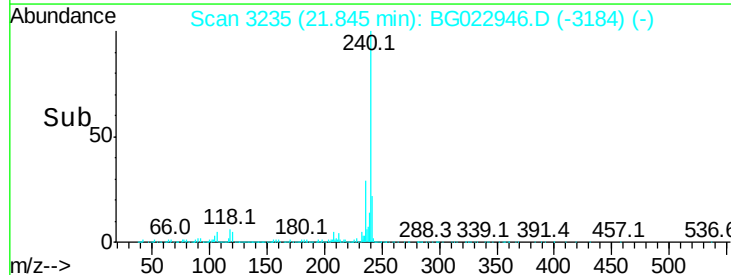
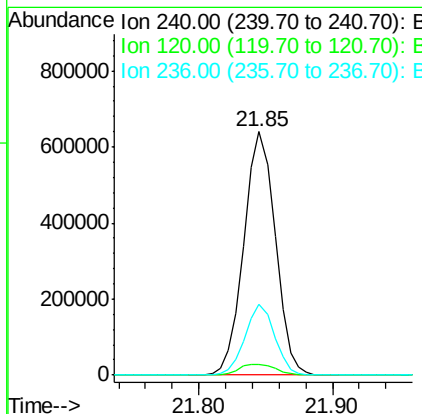
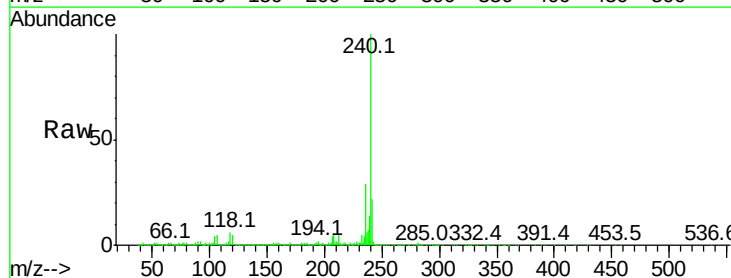
RT: 21.85 min Scan# 3235

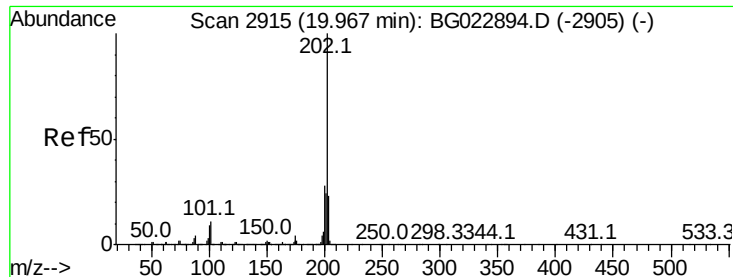
Delta R.T. -0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Tgt Ion:	240	Resp:	1038923
Ion Ratio	Lower	Upper	
240	100		
120	4.6	4.1	6.1
236	29.2	21.1	31.7





#77

Pvrene

Concen: 2.86 ng

RT: 19.97 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG022946.D

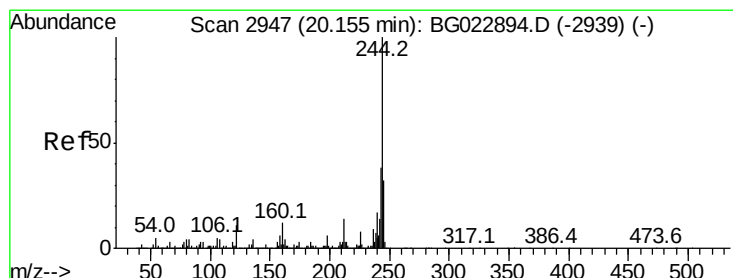
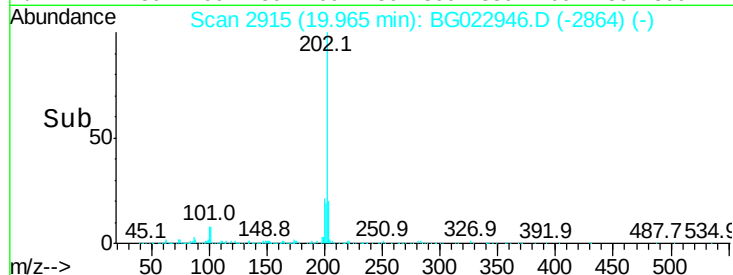
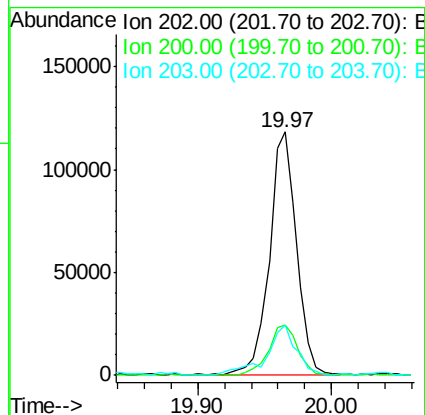
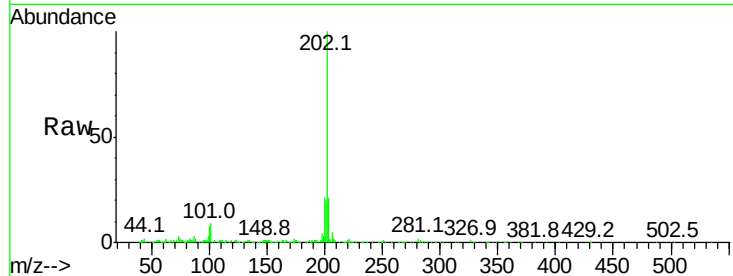
Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	166695
Ion	Ratio	Lower	Upper
202	100		
200	20.8	21.2	31.8#
203	20.5	16.8	25.2



#78

Terphenyl-d14

Concen: 64.29 ng

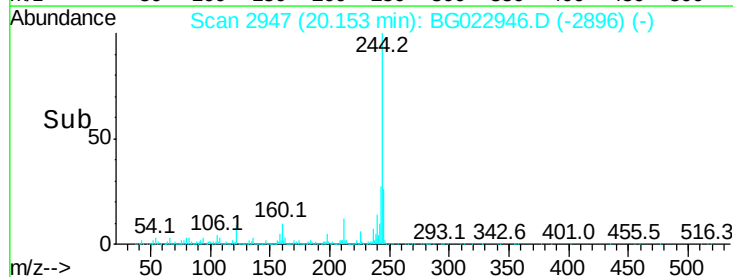
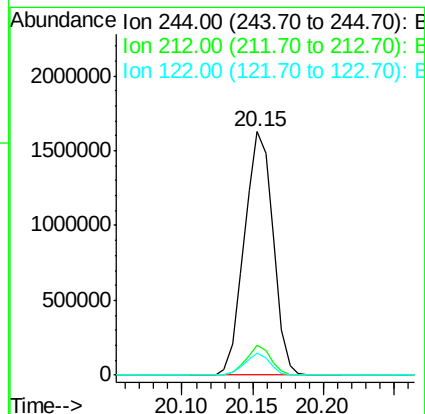
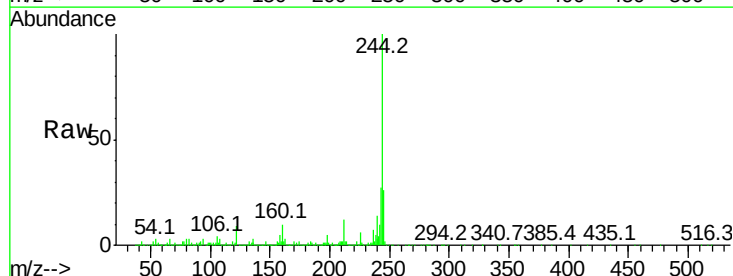
RT: 20.15 min Scan# 2947

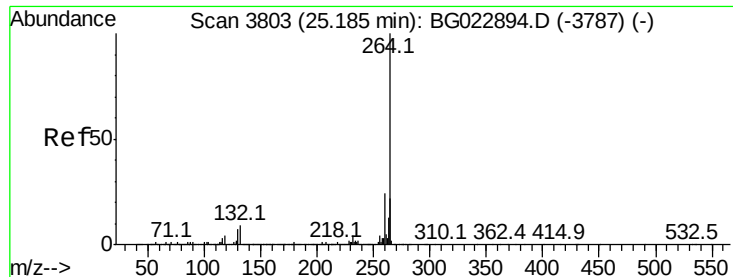
Delta R.T. -0.00 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Tgt Ion:	244	Resp:	2314064
Ion	Ratio	Lower	Upper
244	100		
212	12.2	10.8	16.2
122	9.4	8.0	12.0



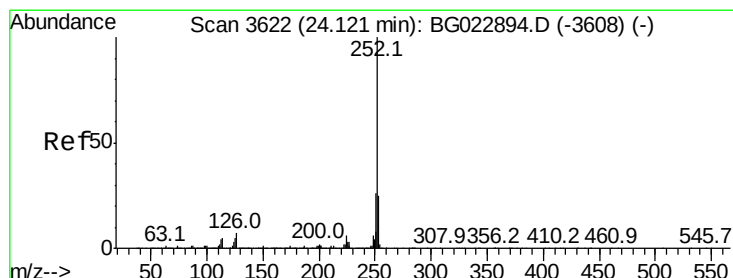
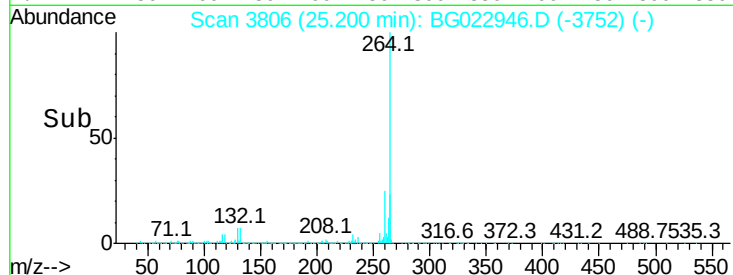
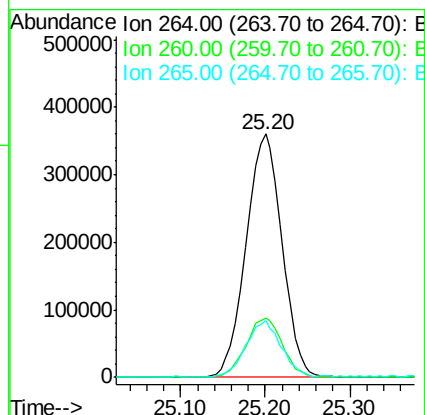
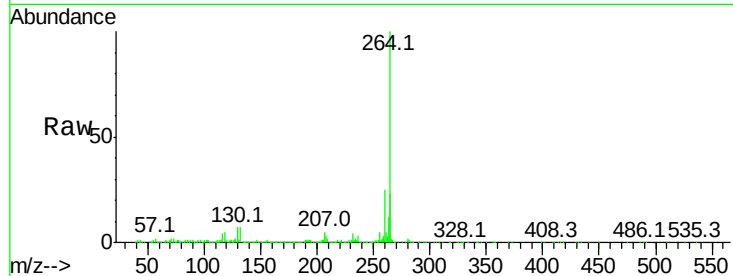


#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.20 min Scan# 3806
Delta R.T. 0.02 min
Lab File: BG022946.D
Acq: 9 Jul 2016 1:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 1064922

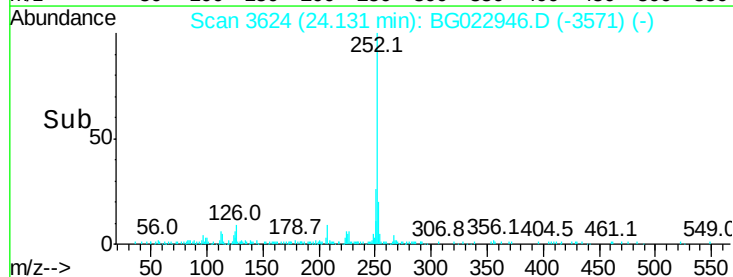
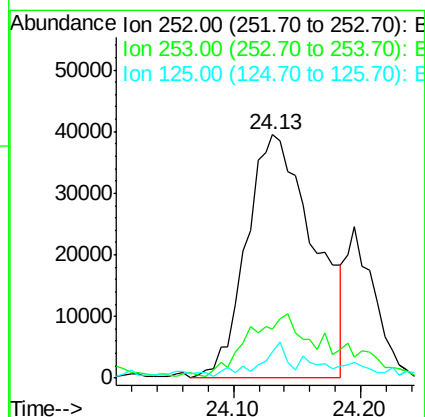
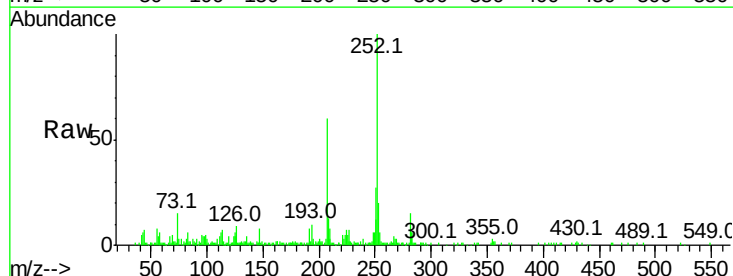
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.4	27.6
265	23.2	18.9	28.3

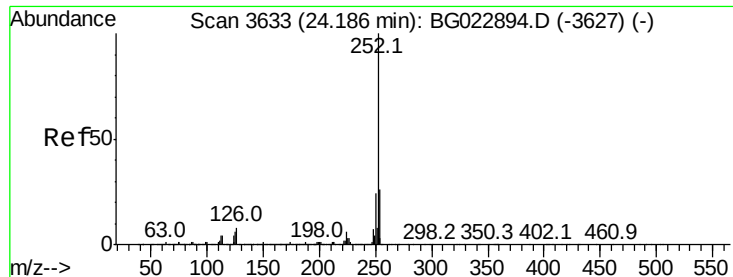


#87
Benzo(b)fluoranthene
Concen: 2.38 ng
RT: 24.13 min Scan# 3624
Delta R.T. 0.01 min
Lab File: BG022946.D
Acq: 9 Jul 2016 1:25

Tgt Ion:252 Resp: 145980

Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.9	28.3
125	10.5	3.9	5.9





#88

Benzo(k)fluoranthene

Concen: 2.50 ng

RT: 24.13 min Scan# 3624

Delta R.T. -0.06 min

Lab File: BG022946.D

Acq: 9 Jul 2016 1:25

Instrument :

BNA_G

ClientSampleId :

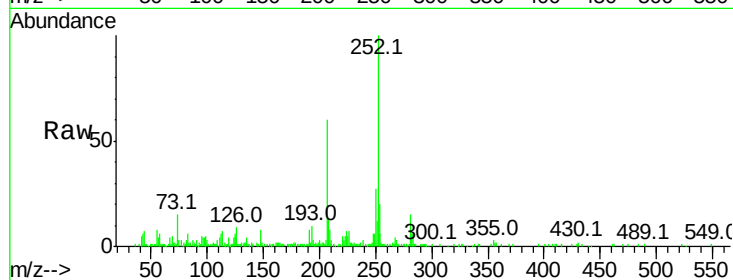
Tot Ion:252 Resp: 145980

Ion Ratio Lower Upper

252 100

253 20.4 18.8 28.2

125 10.5 3.2 4.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

