

Data Path : Z:\HPCHEM1\BNA G\Data\BG040617\
 Data File : BG026594.D
 Acq On : 7 Apr 2017 9:51
 Operator : SJ/MA
 Sample : I2572-06RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 13:39:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

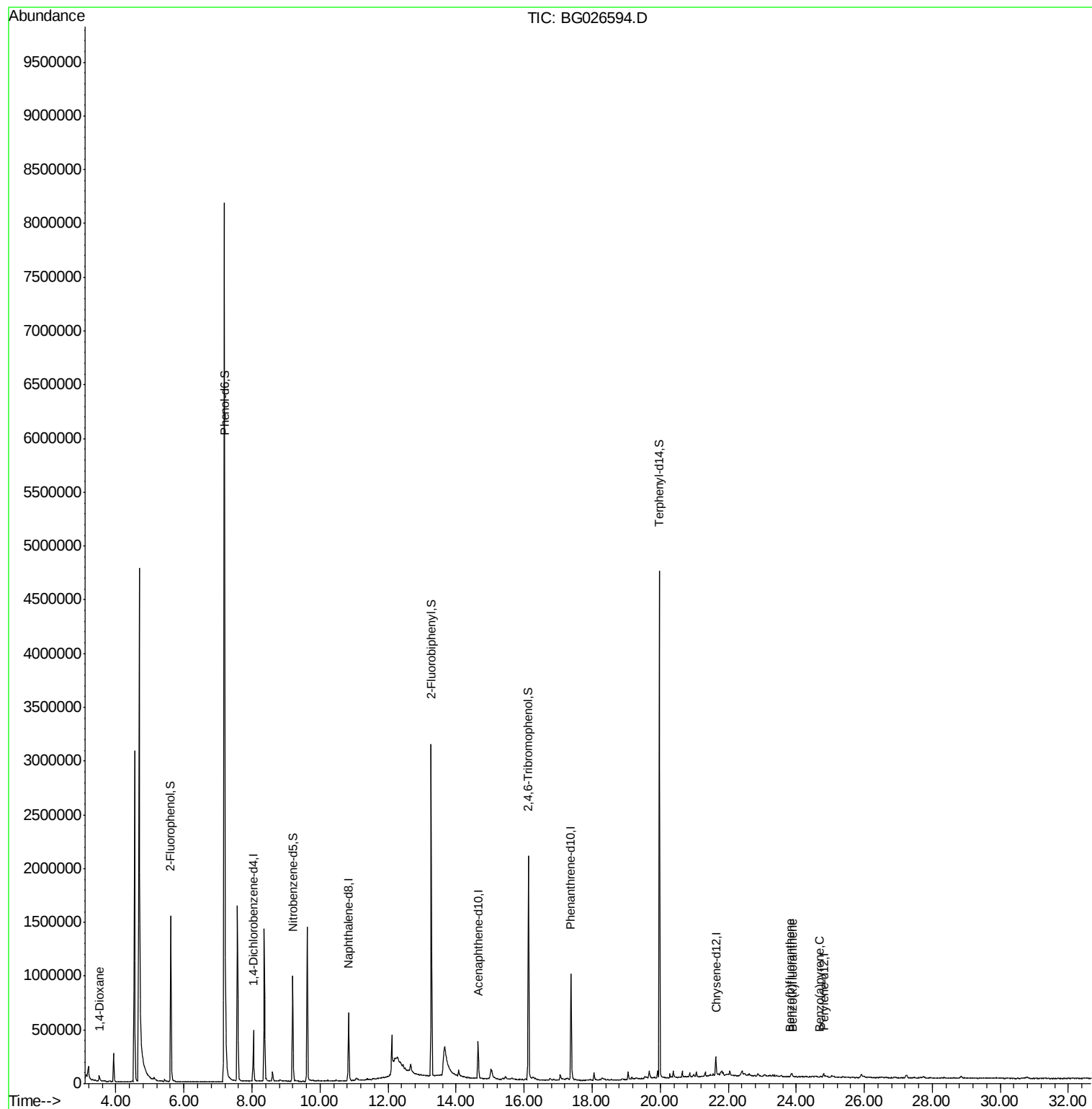
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	151871	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	595676	20.00	ng	-0.01
38) Acenaphthene-d10	14.65	164	98847	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	542264	20.00	ng	-0.01
75) Chrysene-d12	21.63	240	74246	20.00	ng	0.00
86) Perylene-d12	24.83	264	1369	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	818385	95.64	ng	0.00
7) Phenol-d6	7.20	99	393945	34.29	ng	0.00
23) Nitrobenzene-d5	9.20	82	658634	66.48	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	465518	411.25	ng	-0.01
44) 2-Fluorobiphenyl	13.27	172	1738003	246.58	ng	-0.01
78) Terphenyl-d14	19.97	244	1677747	548.79	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.51	88	30158	7.85	ng	# 66
87) Benzo(b)fluoranthene	23.81	252	283	3.51	ng	# 58
88) Benzo(k)fluoranthene	23.91	252	799	10.21	ng	# 1
89) Benzo(a)pyrene	24.68	252	294	3.80	ng	# 1

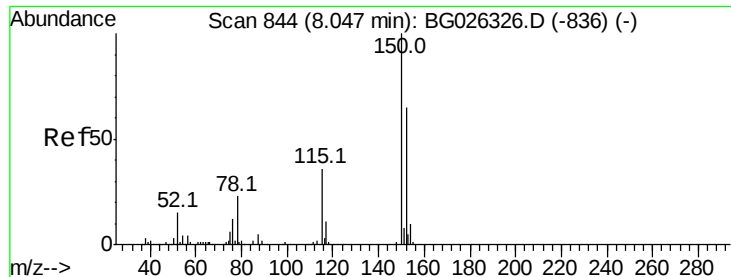
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

Instrument :

BNA_F

ClientSampleId :

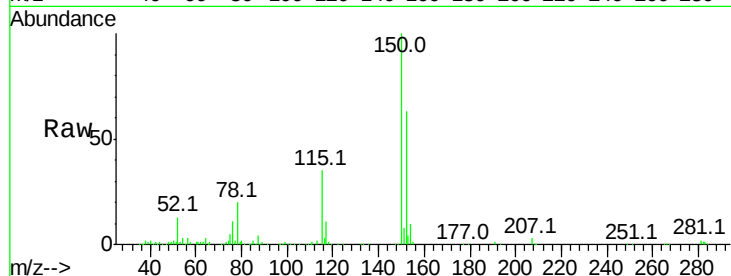
Tot Ion:152 Resp: 151871

Ion Ratio Lower Upper

152 100

150 159.5 114.0 171.0

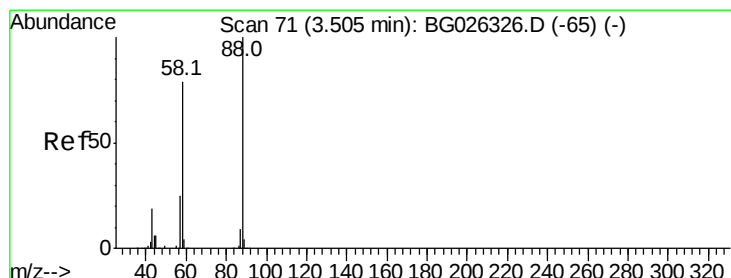
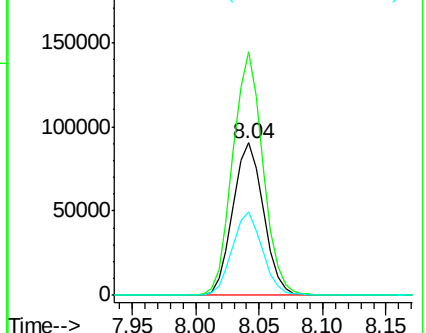
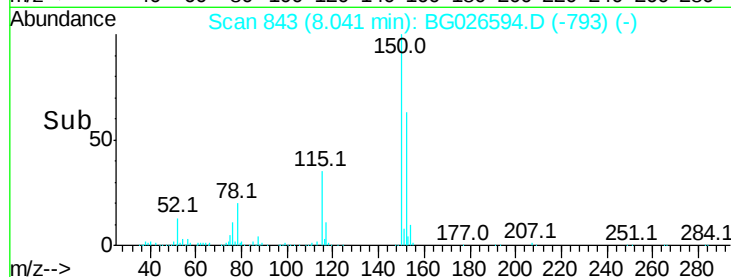
115 55.2 48.1 72.1



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



#2

1,4-Dioxane

Concen: 7.85 ng

RT: 3.51 min Scan# 72

Delta R.T. 0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

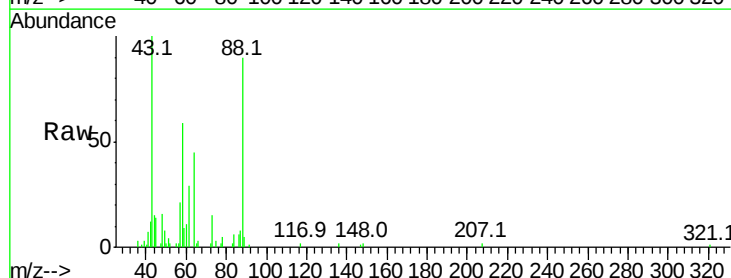
Tgt Ion: 88 Resp: 30158

Ion Ratio Lower Upper

88 100

58 63.3 79.4 119.2#

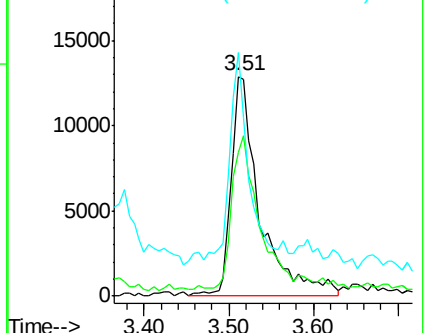
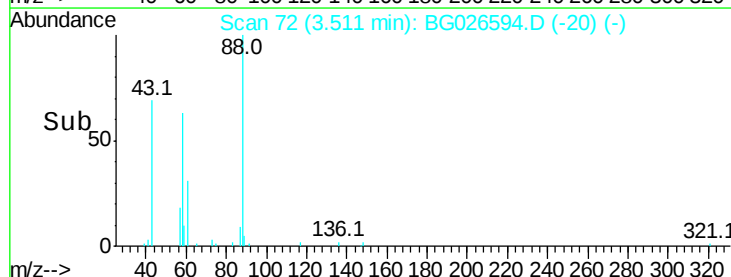
43 59.7 33.8 50.6#

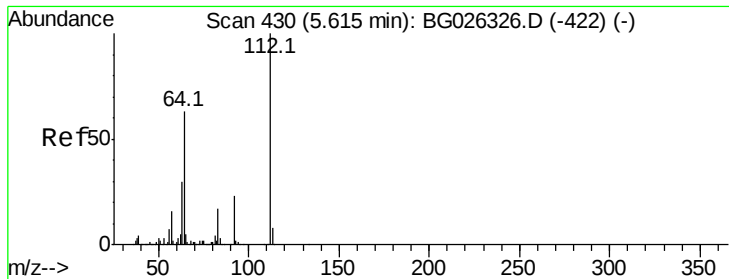


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 95.64 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

Instrument :

BNA_F

ClientSampleId :

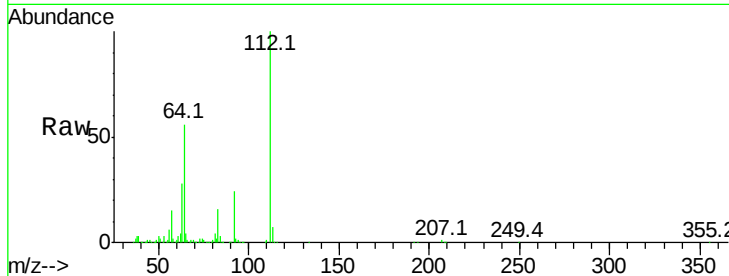
Tot Ion:112 Resp: 818385

Ion Ratio Lower Upper

112 100

64 56.2 61.8 92.6#

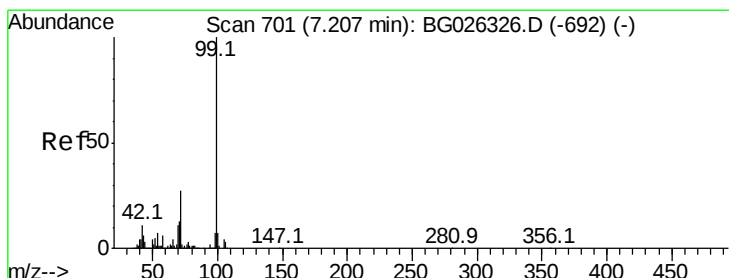
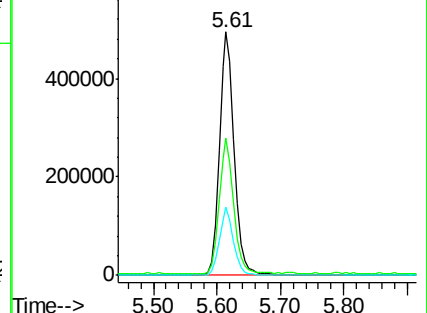
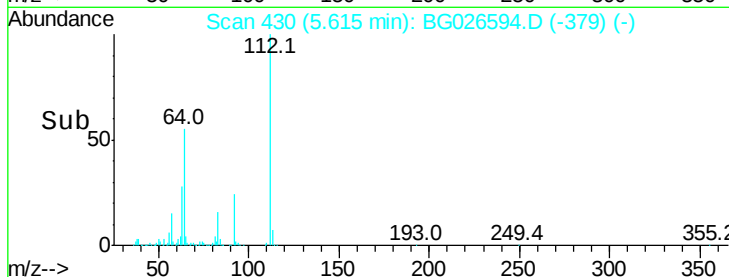
63 27.9 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 34.29 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

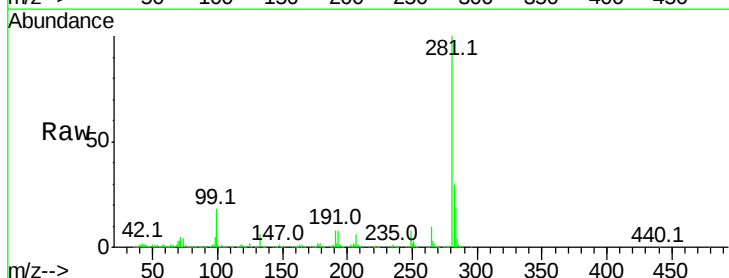
Tgt Ion: 99 Resp: 393945

Ion Ratio Lower Upper

99 100

42 12.0 20.5 30.7#

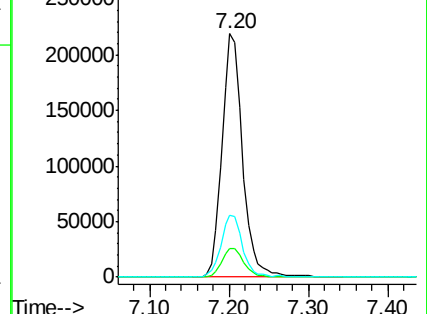
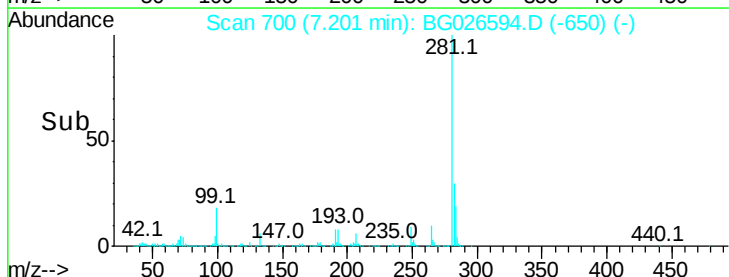
71 25.3 37.6 56.4#

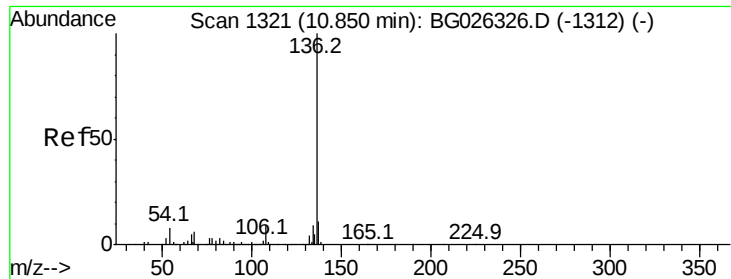


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

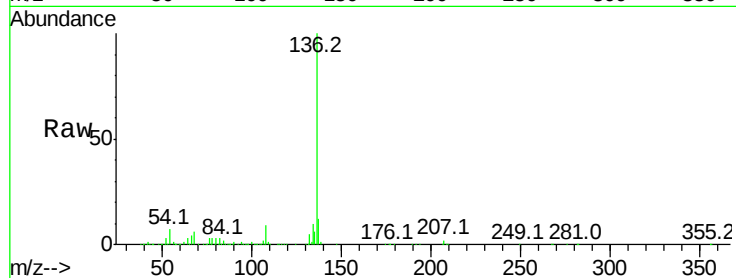




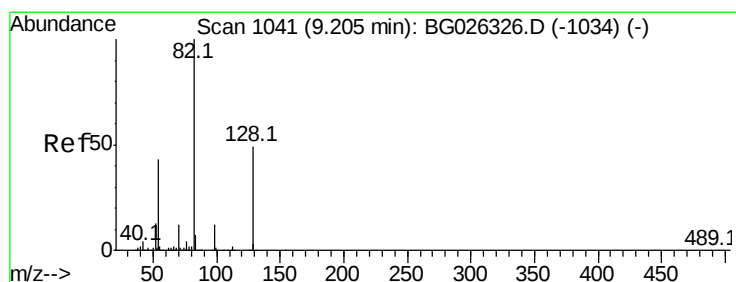
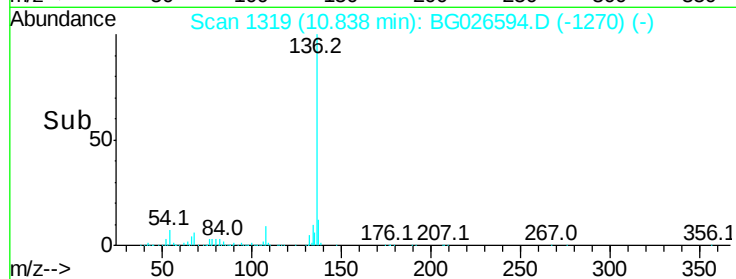
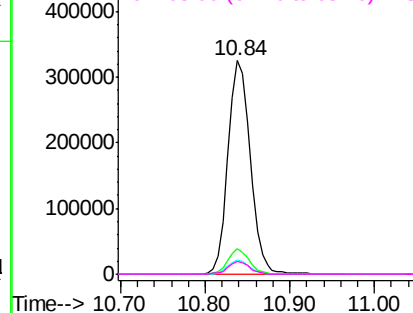
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG026594.D
Acq: 7 Apr 2017 9:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	595676
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	6.9	9.3	13.9#
68	6.1	5.1	7.7

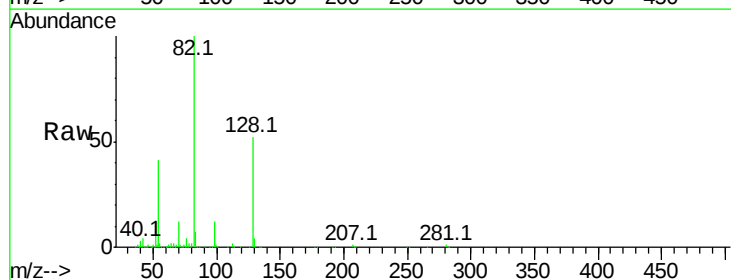


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

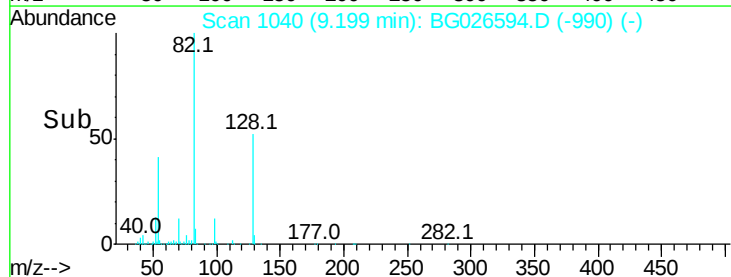
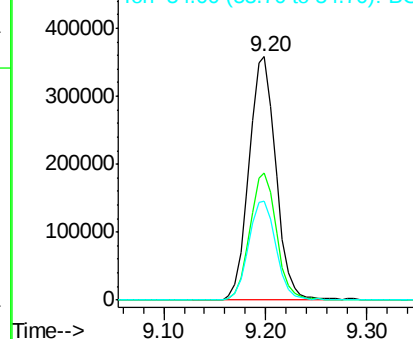


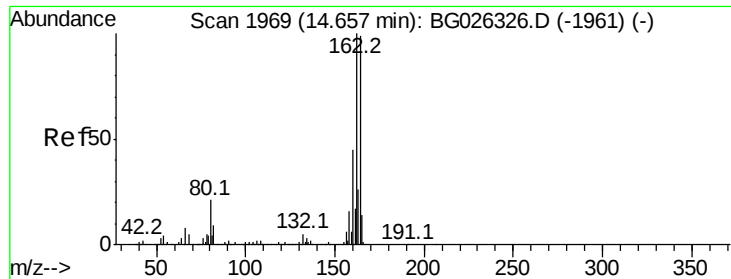
#23
Nitrobenzene-d5
Concen: 66.48 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG026594.D
Acq: 7 Apr 2017 9:51

Tgt Ion:	82	Resp:	658634
Ion	Ratio	Lower	Upper
82	100		
128	52.3	26.4	39.6#
54	40.6	49.4	74.2#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

Instrument :

BNA_F

ClientSampled :

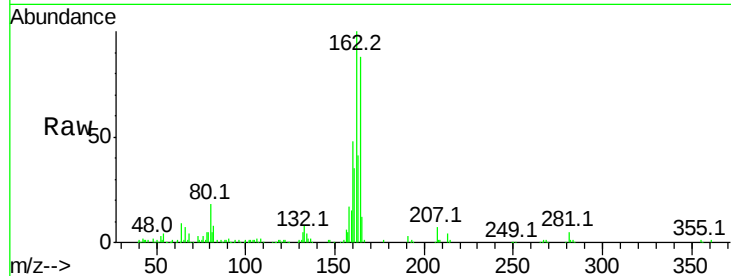
Tot Ion:164 Resp: 98847

Ion Ratio Lower Upper

164 100

162 113.2 85.1 127.7

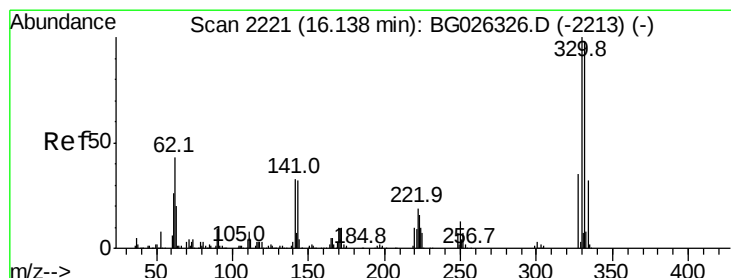
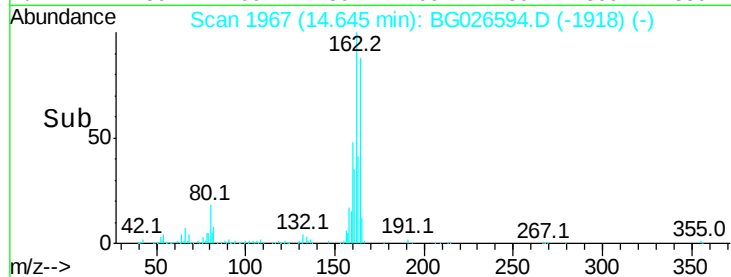
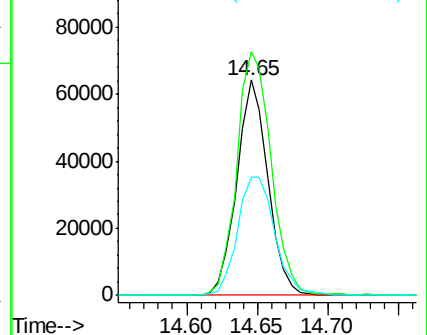
160 54.8 34.7 52.1#



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: 411.25 ng

RT: 16.13 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

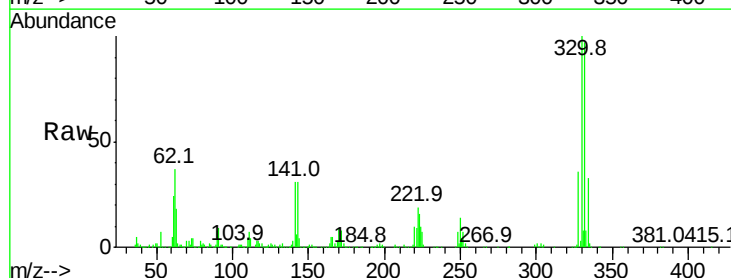
Tgt Ion:330 Resp: 465518

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

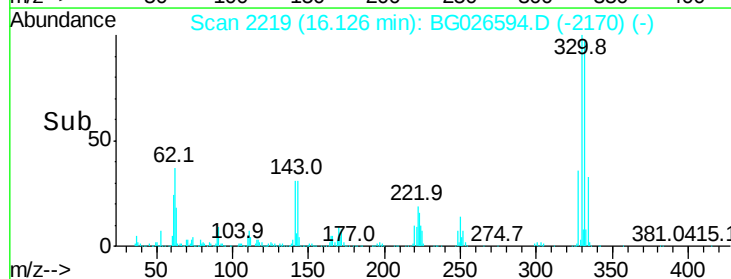
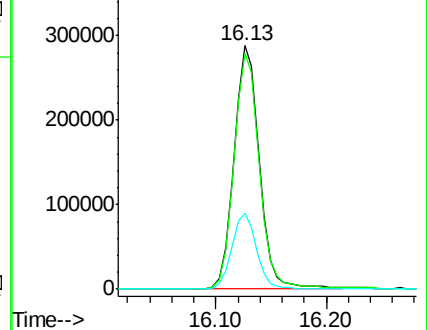
141 30.8 32.1 48.1#

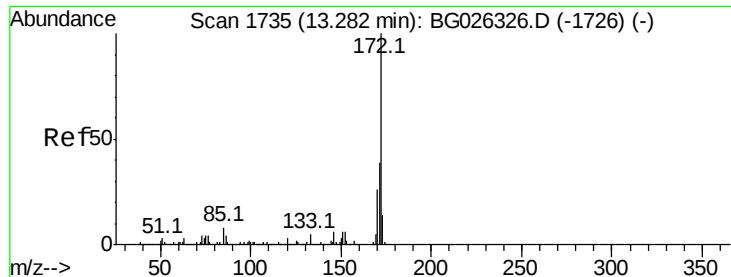


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

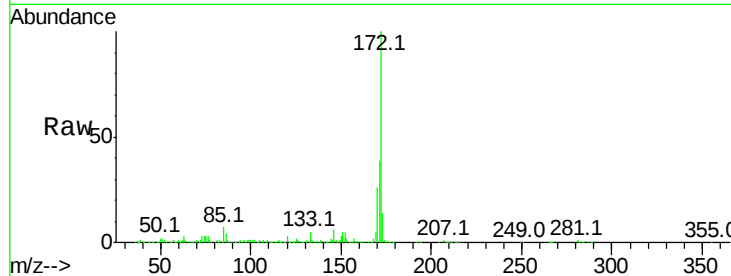




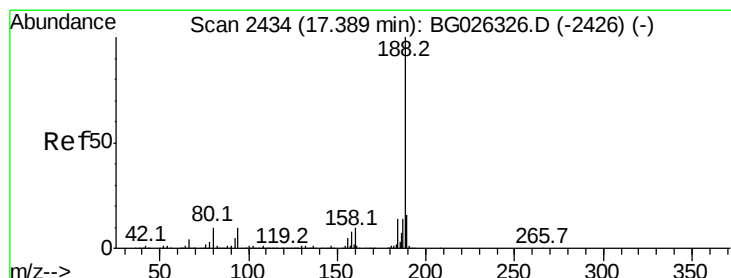
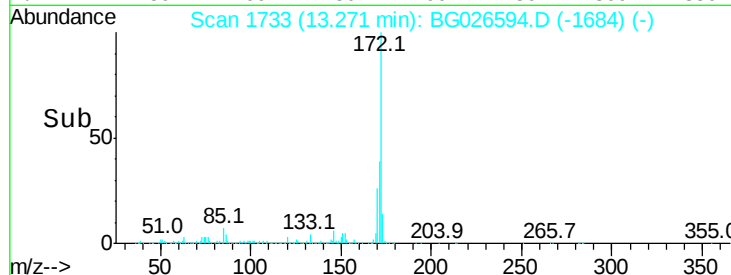
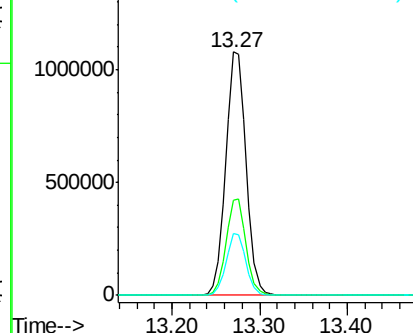
#44
2-Fluorobiphenyl
Concen: 246.58 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG026594.D
Acq: 7 Apr 2017 9:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1738003
Ion Ratio Lower Upper
172 100
171 39.0 32.2 48.2
170 25.5 21.8 32.6

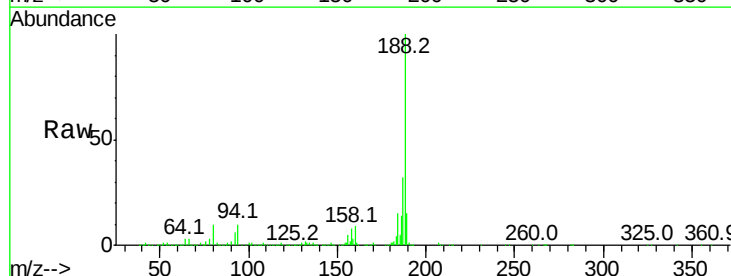


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

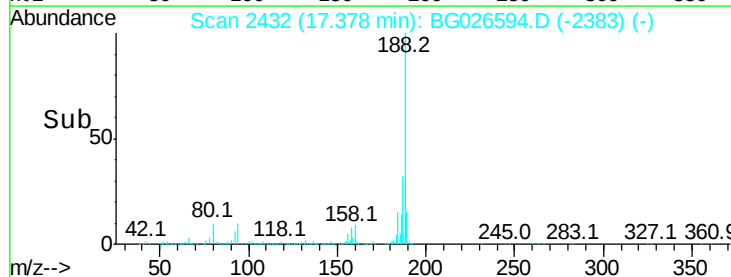
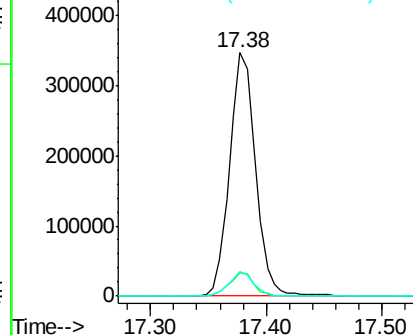


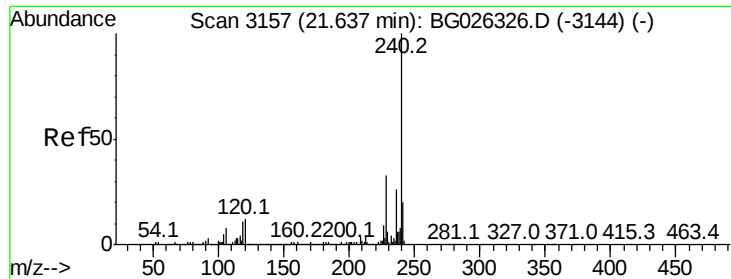
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BG026594.D
Acq: 7 Apr 2017 9:51

Tgt Ion:188 Resp: 542264
Ion Ratio Lower Upper
188 100
94 9.5 5.8 8.8#
80 10.0 7.5 11.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

Instrument :

BNA_F

ClientSampleId :

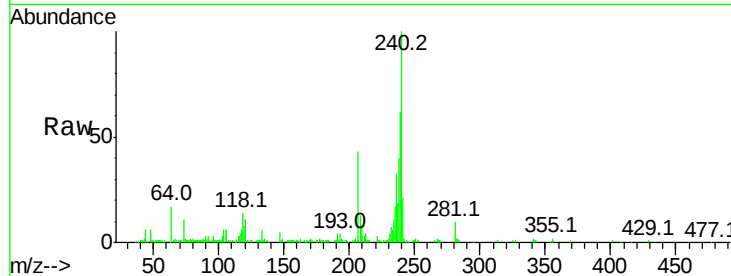
Tot Ion:240 Resp: 74246

Ion Ratio Lower Upper

240 100

120 11.1 5.7 8.5#

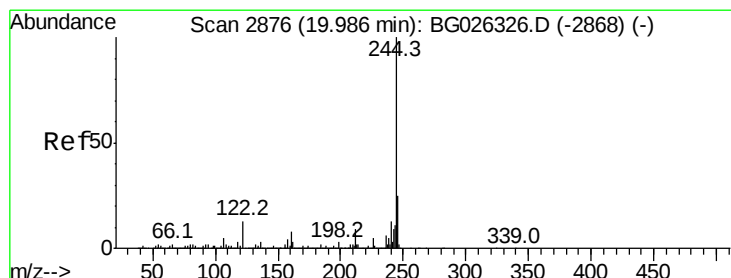
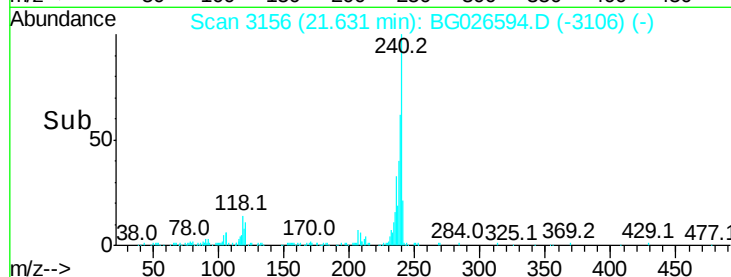
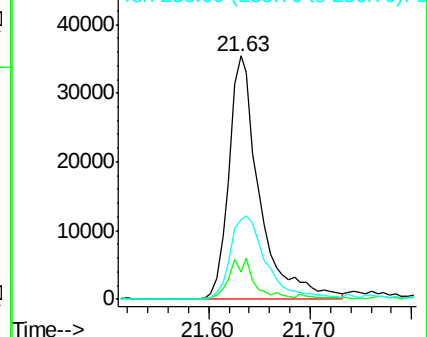
236 33.0 22.2 33.4



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



#78

Terphenyl-d14

Concen: 548.79 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

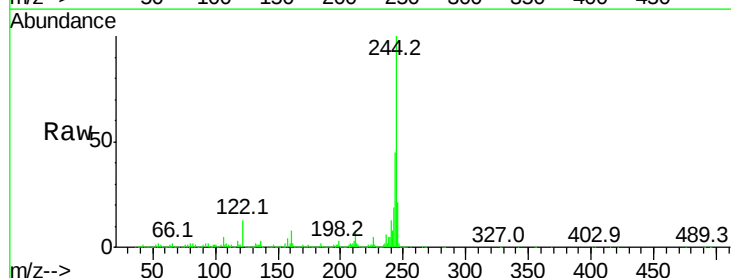
Tgt Ion:244 Resp: 1677747

Ion Ratio Lower Upper

244 100

212 8.4 10.0 15.0#

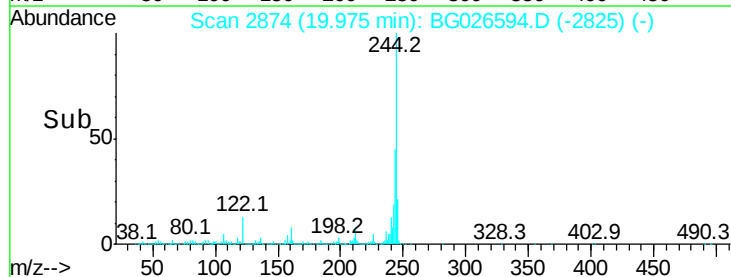
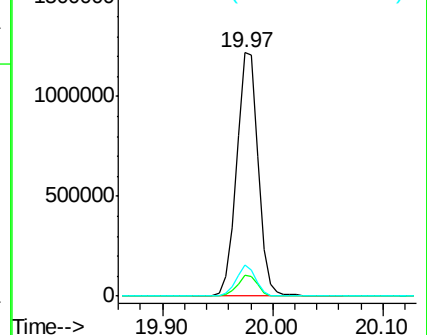
122 12.6 8.6 12.8

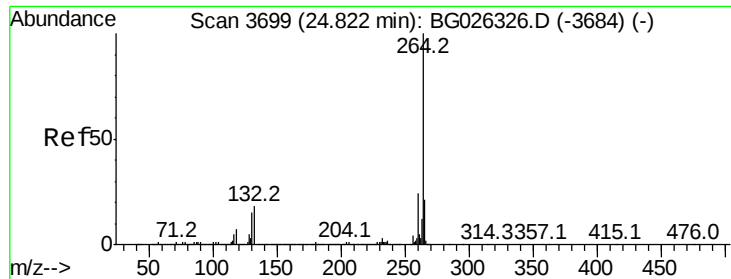


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.83 min Scan# 3700

Delta R.T. 0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

Instrument :

BNA_F

ClientSampleId :

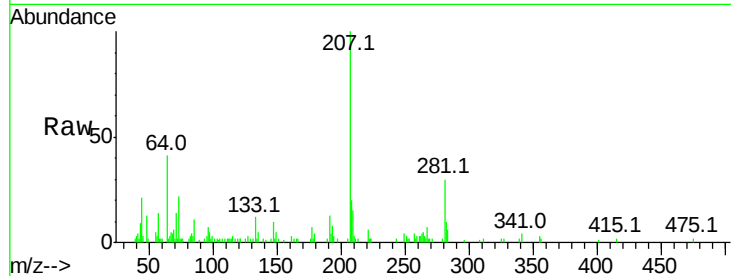
Tot Ion:264 Resp: 1369

Ion Ratio Lower Upper

264 100

260 0.0 21.8 32.8#

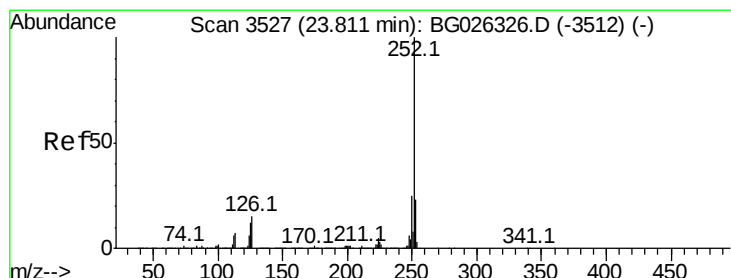
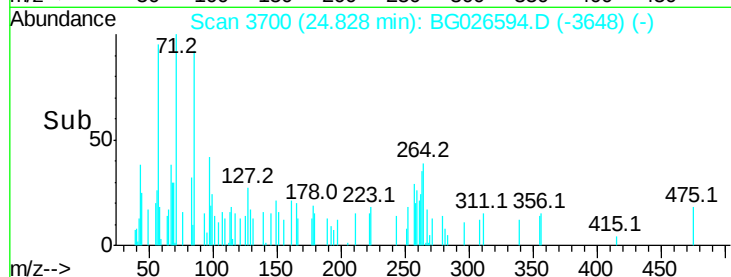
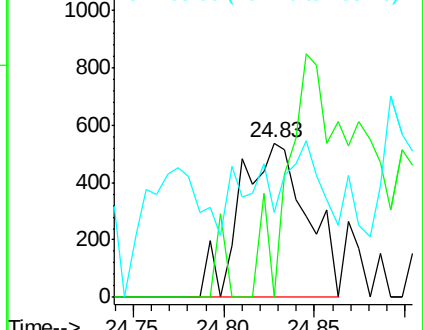
265 55.2 18.2 27.4#



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



#87

Benzo(b)fluoranthene

Concen: 3.51 ng

RT: 23.81 min Scan# 3526

Delta R.T. -0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

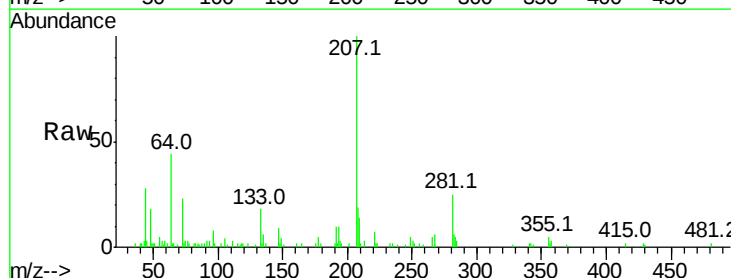
Tgt Ion:252 Resp: 283

Ion Ratio Lower Upper

252 100

253 0.0 18.7 28.1#

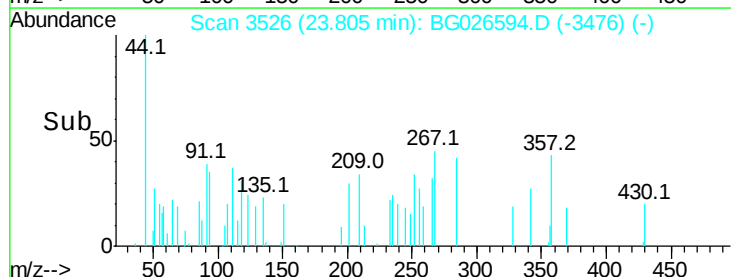
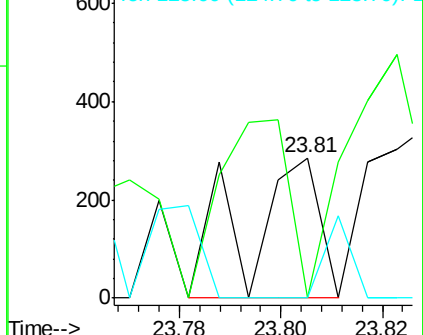
125 0.0 5.3 7.9#

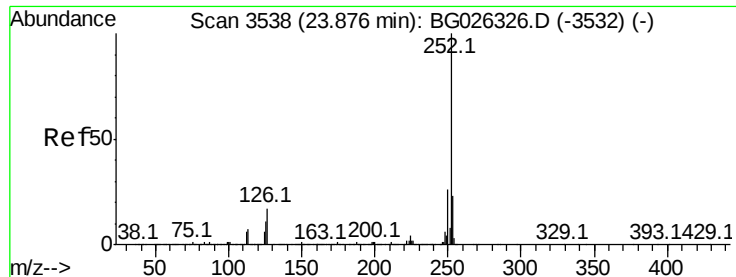


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 10.21 ng

RT: 23.91 min Scan# 3543

Delta R.T. 0.03 min

Lab File: BG026594.D

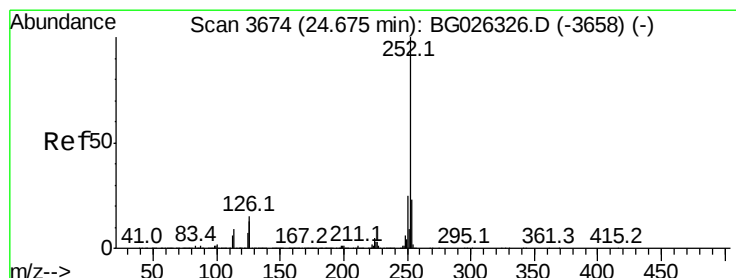
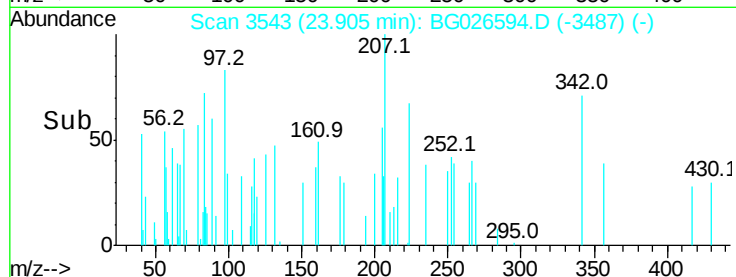
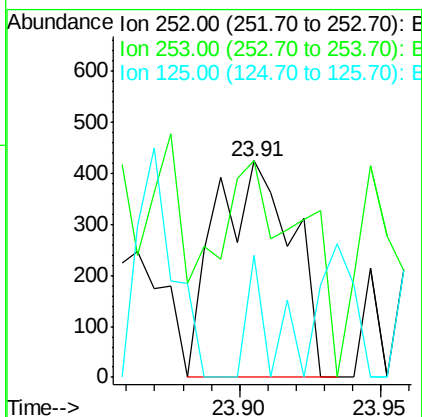
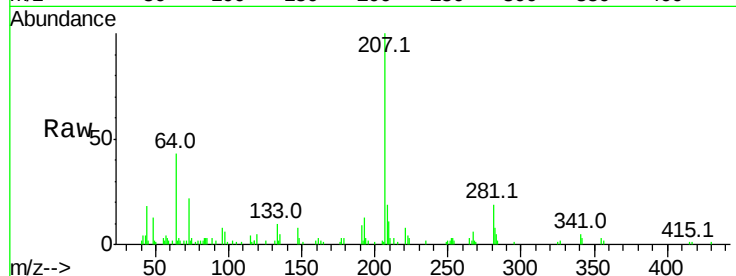
Acq: 7 Apr 2017 9:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	799
Ion Ratio	Lower	Upper
252	100	
253	100.0	20.2 30.2#
125	56.4	5.1 7.7#



#89

Benzo(a)pyrene

Concen: 3.80 ng

RT: 24.68 min Scan# 3675

Delta R.T. 0.01 min

Lab File: BG026594.D

Acq: 7 Apr 2017 9:51

Tgt Ion:252	Resp:	294
Ion Ratio	Lower	Upper
252	100	
253	115.5	19.2 28.8#
125	0.0	5.4 8.0#

