

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023171.D
 Acq On : 18 Jul 2016 23:18
 Operator : UM/SJ
 Sample : H4044-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 19 01:06:54 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

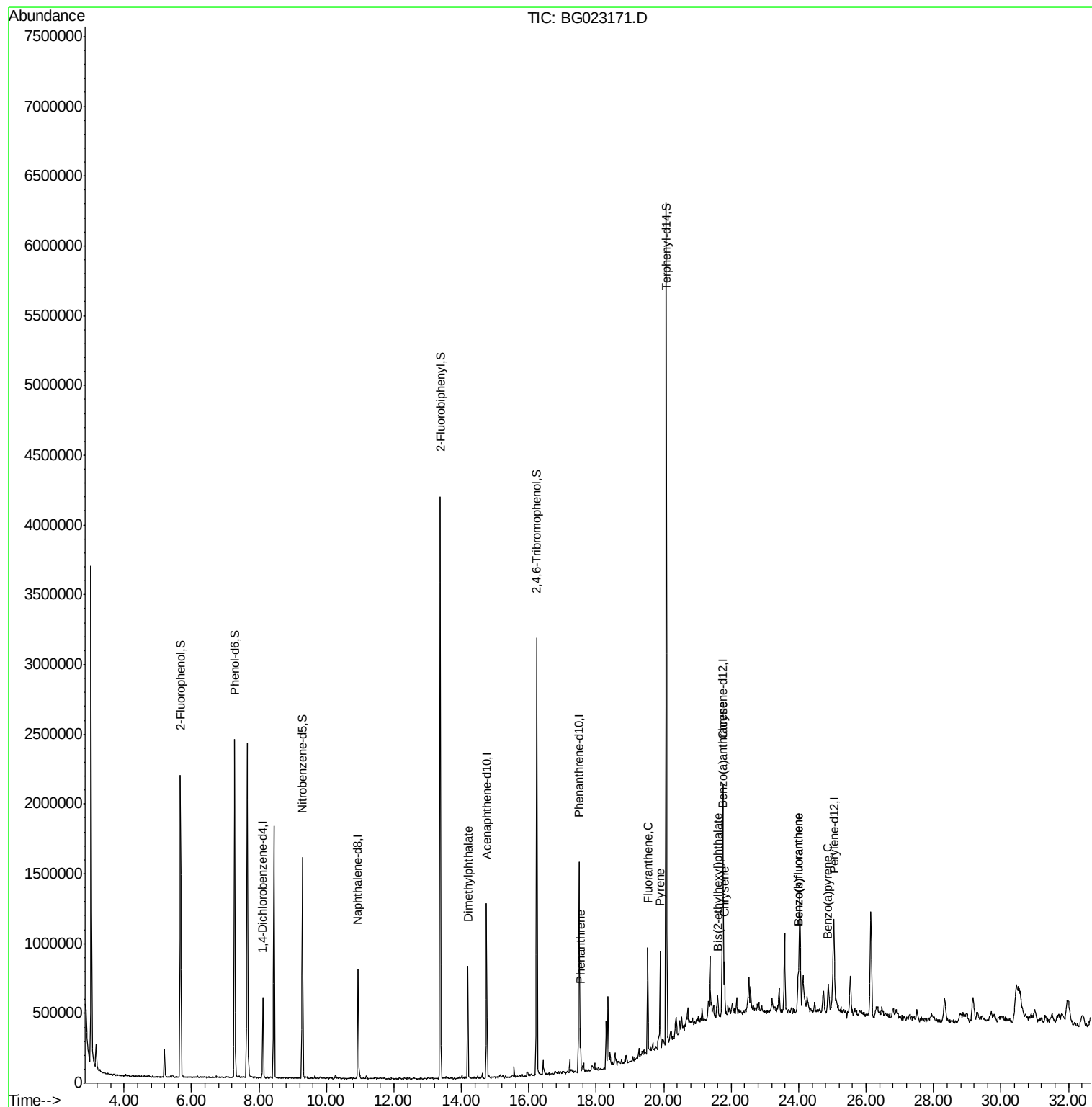
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	146742	20.00	ng	-0.04
21) Naphthalene-d8	10.93	136	644015	20.00	ng	-0.04
38) Acenaphthene-d10	14.75	164	422321	20.00	ng	-0.05
63) Phenanthrene-d10	17.49	188	903817	20.00	ng	-0.07
75) Chrysene-d12	21.75	240	890443	20.00	ng	-0.10
86) Perylene-d12	25.04	264	842097	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	877555	97.81	ng	-0.02
7) Phenol-d6	7.27	99	1371692	97.61	ng	-0.03
23) Nitrobenzene-d5	9.28	82	1048195	69.69	ng	-0.04
41) 2,4,6-Tribromophenol	16.23	330	543364	71.59	ng	-0.06
44) 2-Fluorobiphenyl	13.37	172	1916597	71.48	ng	-0.04
78) Terphenyl-d14	20.08	244	2275925	78.87	ng	-0.08
Target Compounds						
49) Dimethylphthalate	14.19	163	470112	13.63	ng	# 98
70) Phenanthrene	17.53	178	185775	4.19	ng	# 92
74) Fluoranthene	19.53	202	467517	8.60	ng	# 92
77) Pyrene	19.89	202	431904	8.63	ng	# 91
80) Benzo(a)anthracene	21.73	228	276209	5.54	ng	# 95
82) Chrysene	21.80	228	279987	5.99	ng	# 96
83) Bis(2-ethylhexyl)phthalate	21.60	149	87304	3.17	ng	# 88
87) Benzo(b)fluoranthene	23.99	252	368843	7.59	ng	# 99
88) Benzo(k)fluoranthene	23.99	252	368843	8.00	ng	# 98
89) Benzo(a)pyrene	24.88	252	239015	5.13	ng	# 92

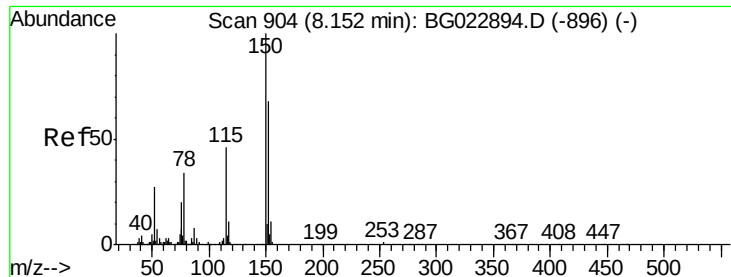
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 898

Delta R.T. -0.04 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

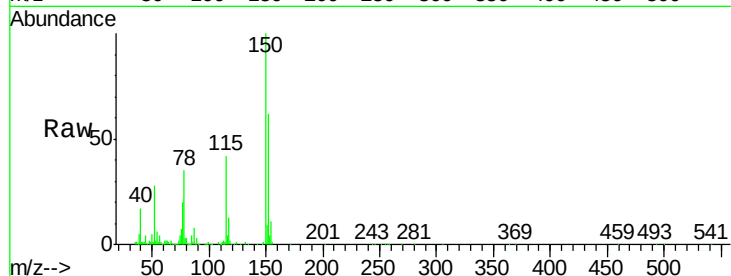
Tgt Ion:152 Resp: 146742

Ion Ratio Lower Upper

152 100

150 162.2 144.7 217.1

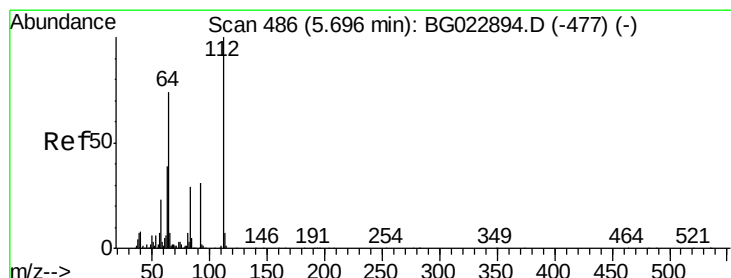
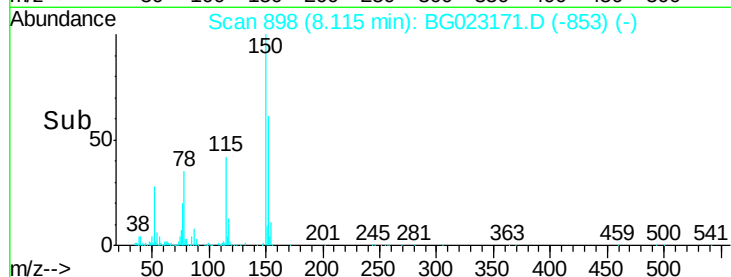
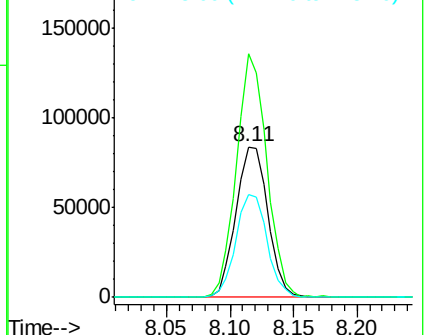
115 68.1 64.0 96.0



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: 97.81 ng

RT: 5.67 min Scan# 482

Delta R.T. -0.02 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

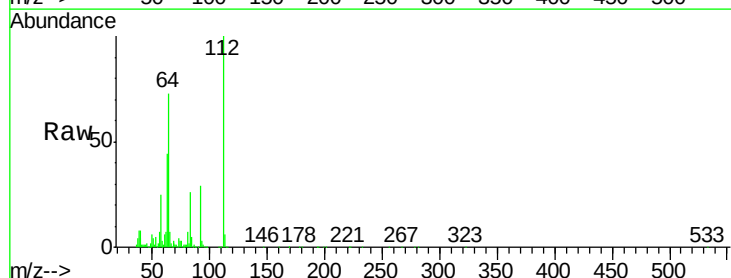
Tgt Ion:112 Resp: 877555

Ion Ratio Lower Upper

112 100

64 73.4 59.0 88.4

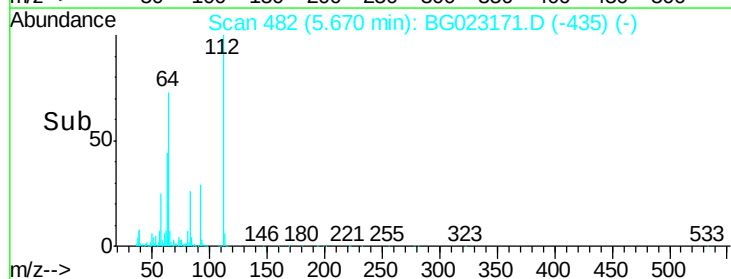
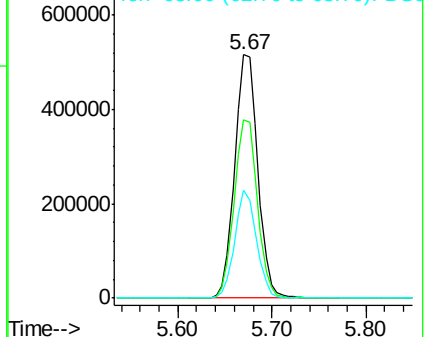
63 44.2 37.8 56.8

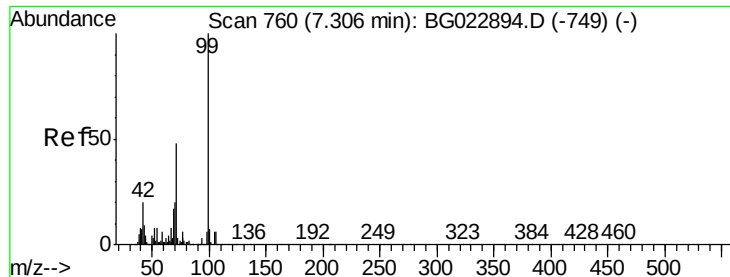


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 97.61 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.03 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

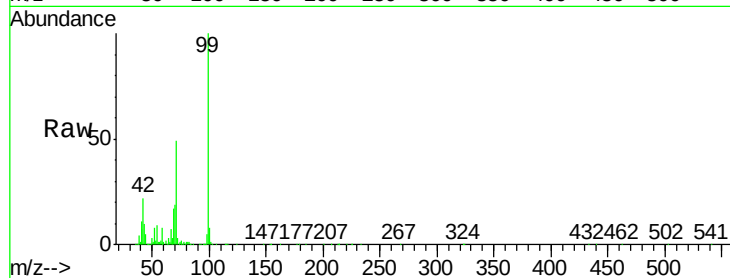
Tgt Ion: 99 Resp: 1371692

Ion Ratio Lower Upper

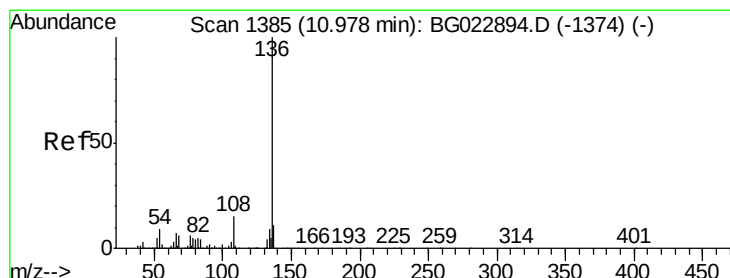
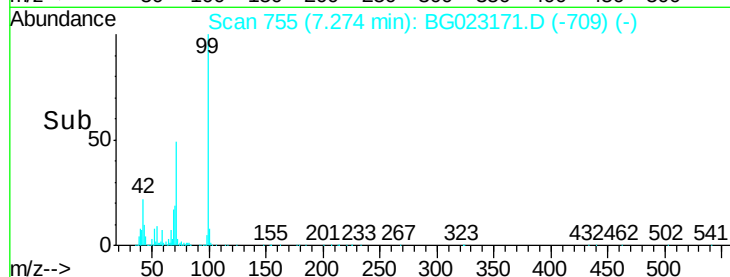
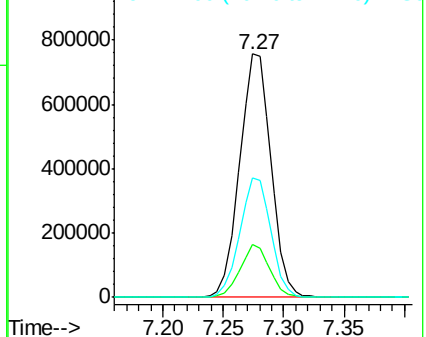
99 100

42 21.6 17.8 26.6

71 49.2 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: 10.93 min Scan# 1378

Delta R.T. -0.04 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Tgt Ion: 136 Resp: 644015

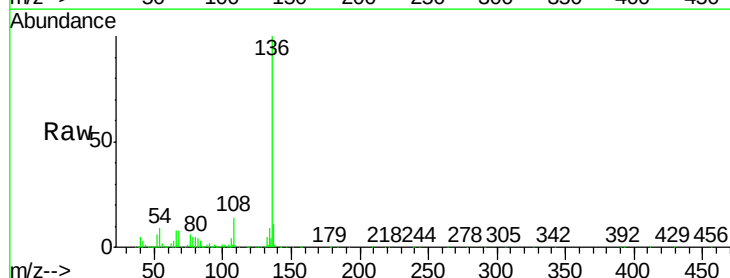
Ion Ratio Lower Upper

136 100

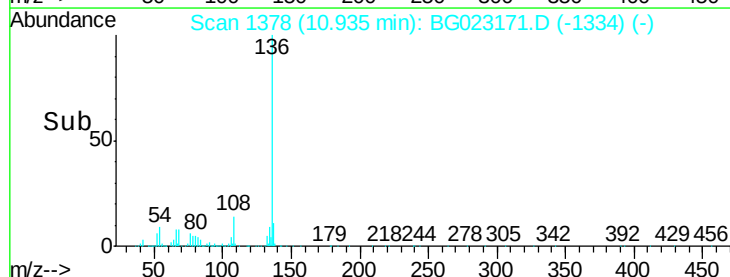
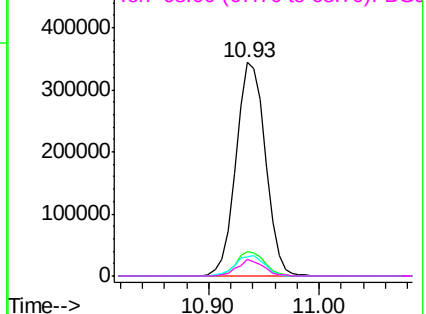
137 11.3 9.6 14.4

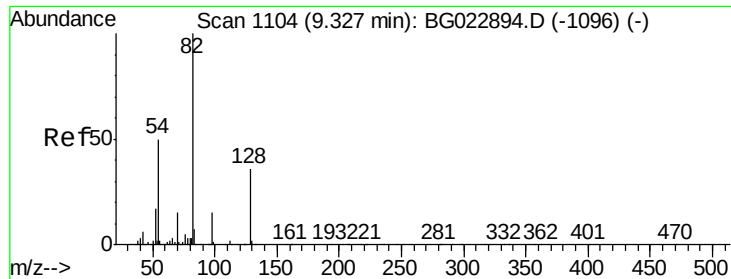
54 9.0 7.3 10.9

68 7.7 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

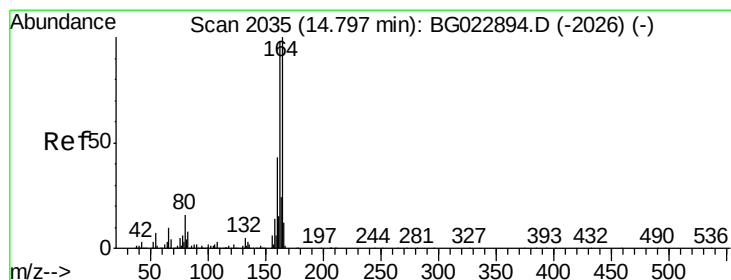
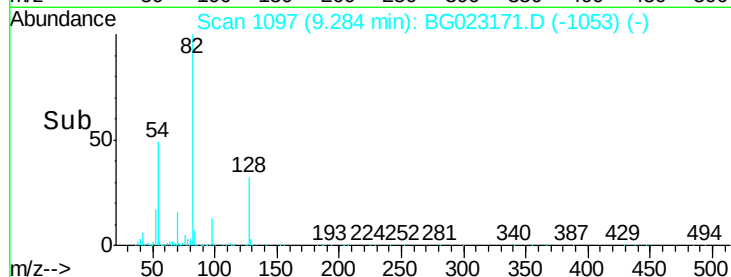
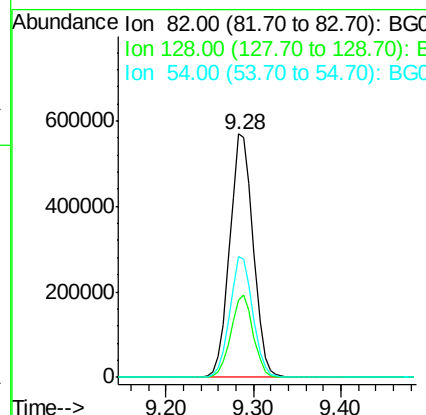
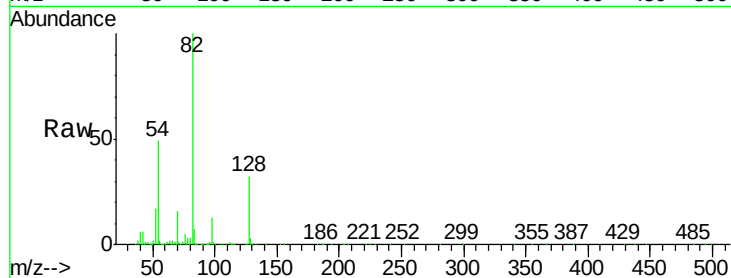




#23
 Nitrobenzene-d5
 Concen: 69.69 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.04 min
 Lab File: BG023171.D
 Acq: 18 Jul 2016 23:18

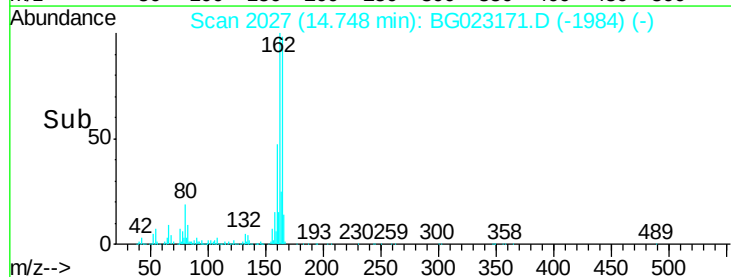
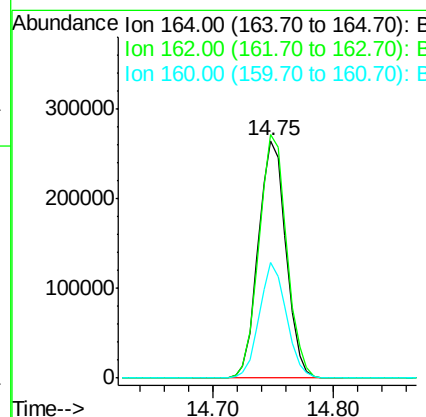
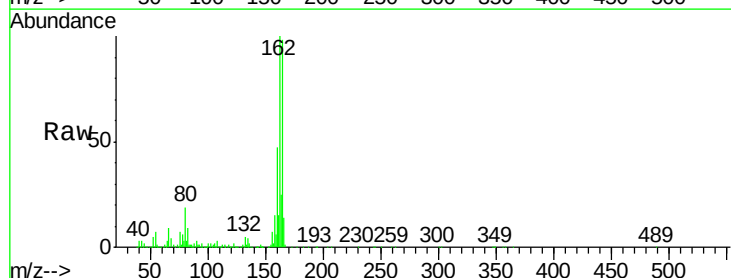
Instrument :
 BNA_G
 ClientSampleId :

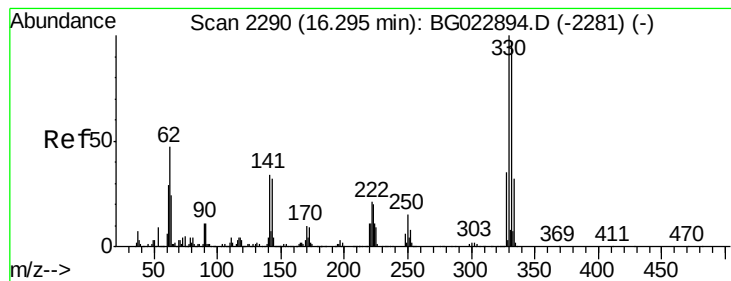
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.7	24.4	36.6
54	49.5	41.4	62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.75 min Scan# 2027
 Delta R.T. -0.05 min
 Lab File: BG023171.D
 Acq: 18 Jul 2016 23:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	87.7	131.5
160	48.5	37.2	55.8





#41

2,4,6-Tribromophenol

Concen: 71.59 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.06 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampled :

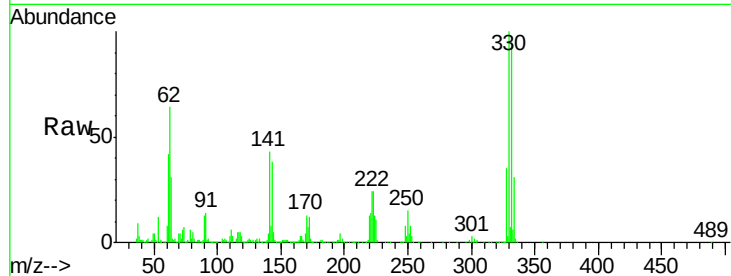
Tgt Ion:330 Resp: 543364

Ion Ratio Lower Upper

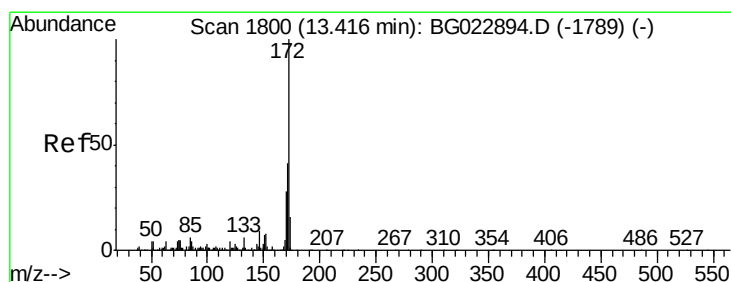
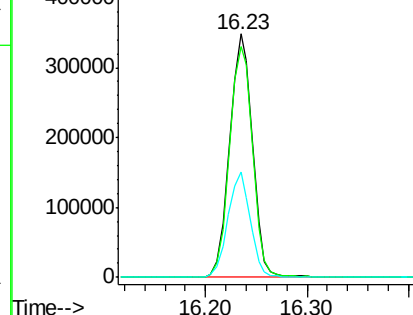
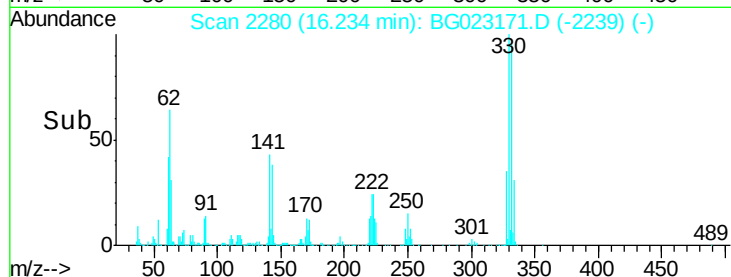
330 100

332 96.1 77.4 116.2

141 42.5 31.7 47.5



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: 71.48 ng

RT: 13.37 min Scan# 1793

Delta R.T. -0.04 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

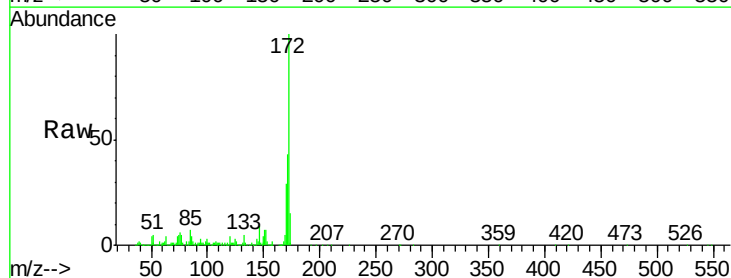
Tgt Ion:172 Resp: 1916597

Ion Ratio Lower Upper

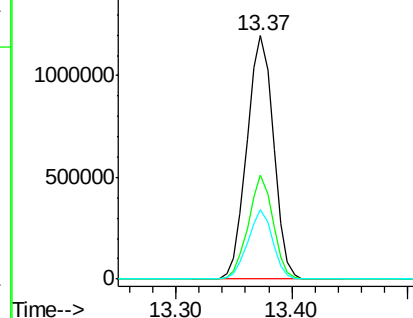
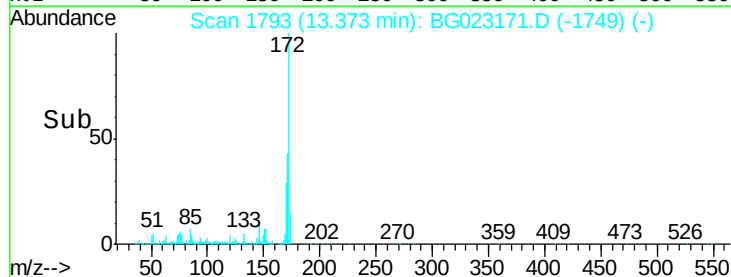
172 100

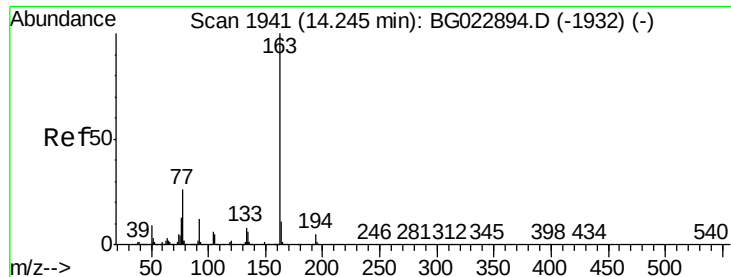
171 42.7 31.6 47.4

170 28.8 21.3 31.9



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





#49

Dimethylphthalate

Concen: 13.63 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.05 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

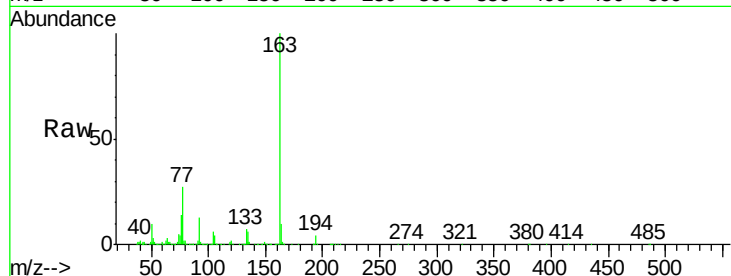
Tgt Ion:163 Resp: 470112

Ion Ratio Lower Upper

163 100

194 3.6 3.6 5.4#

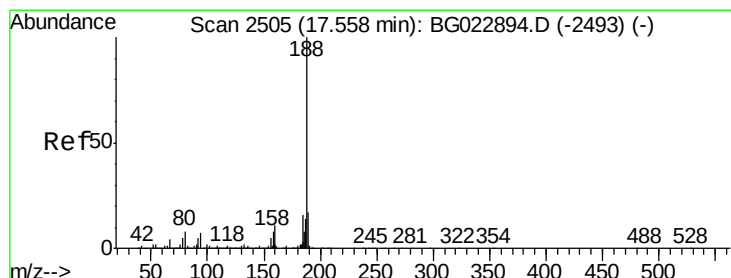
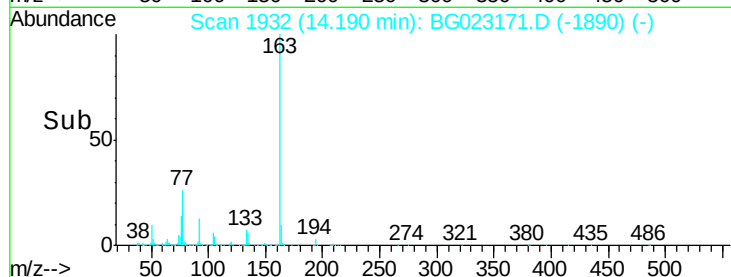
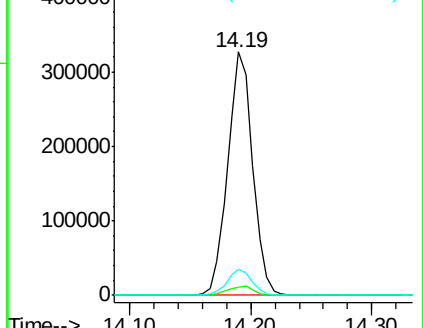
164 10.5 8.1 12.1



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: 17.49 min Scan# 2493

Delta R.T. -0.07 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

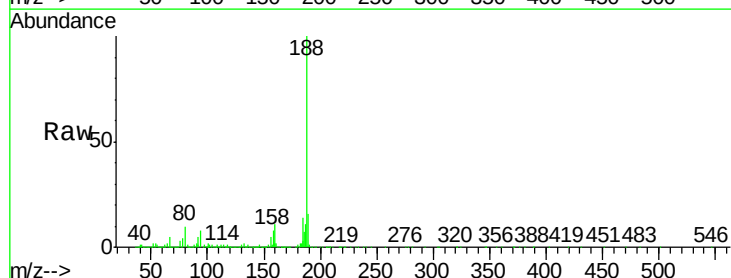
Tgt Ion:188 Resp: 903817

Ion Ratio Lower Upper

188 100

94 8.4 5.2 7.8#

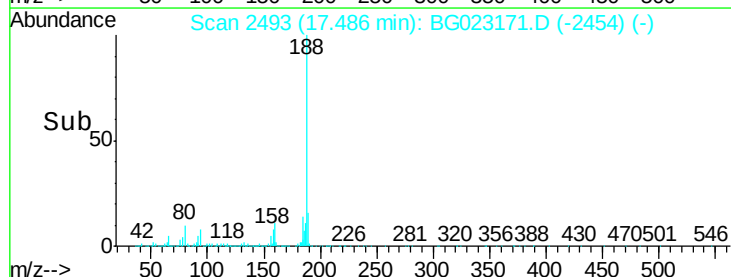
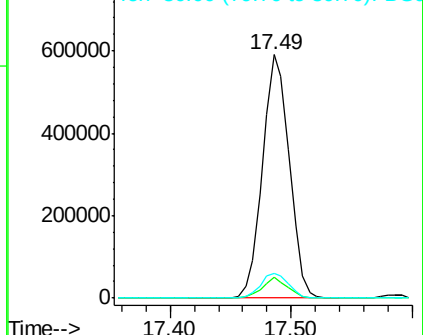
80 10.3 7.2 10.8

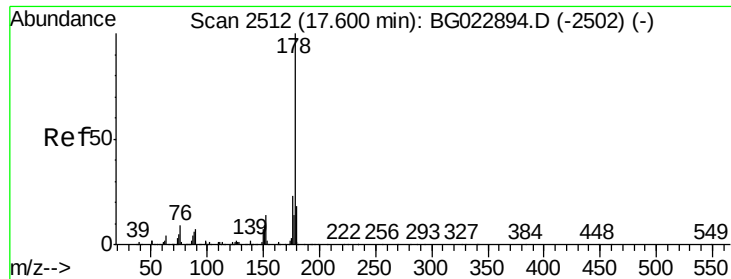


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.19 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.07 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

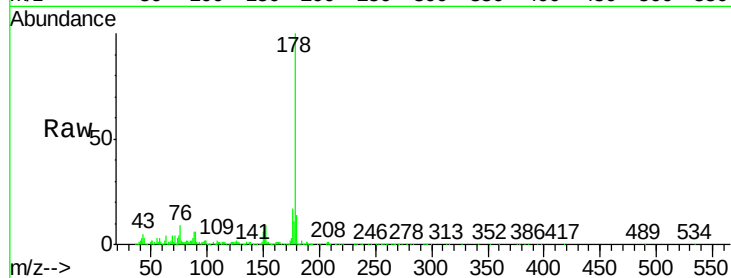
Tgt Ion:178 Resp: 185775

Ion Ratio Lower Upper

178 100

176 17.2 16.8 25.2

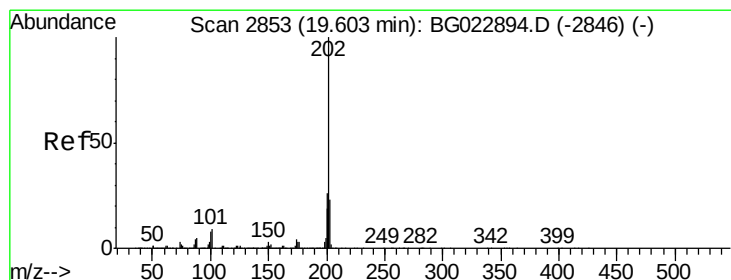
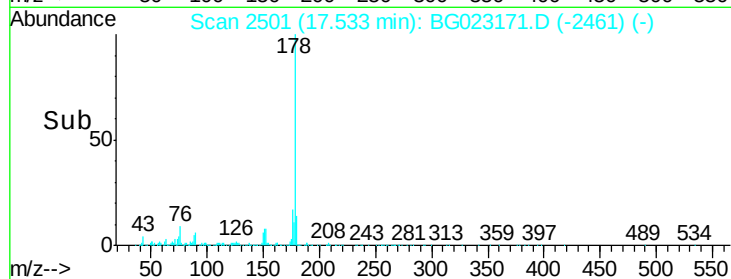
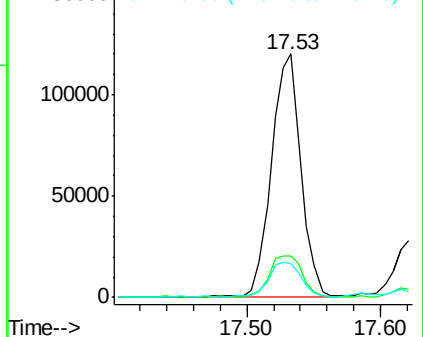
179 14.1 14.3 21.5#



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



#74

Fluoranthene

Concen: 8.60 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.07 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

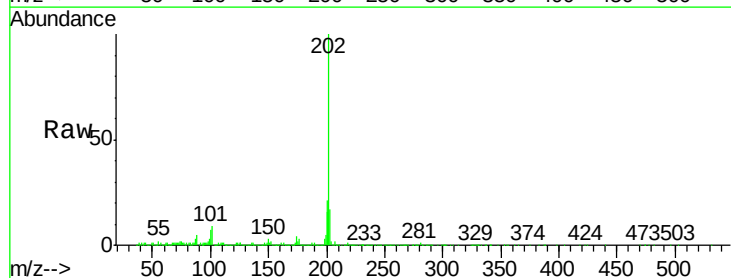
Tgt Ion:202 Resp: 467517

Ion Ratio Lower Upper

202 100

101 9.4 0.0 27.4

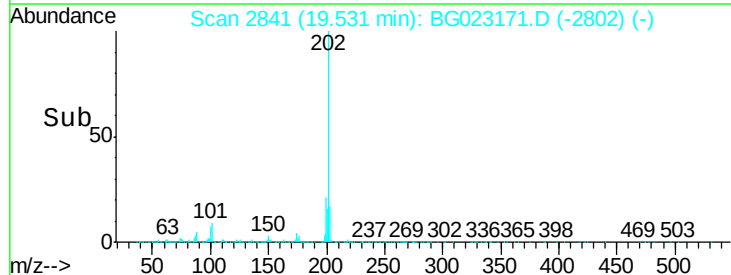
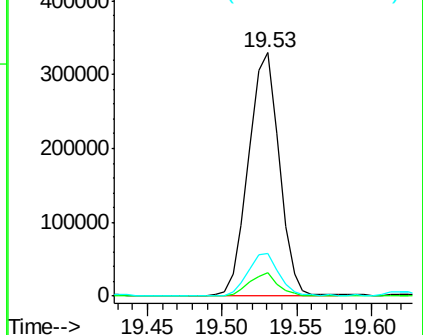
203 17.3 1.7 41.7

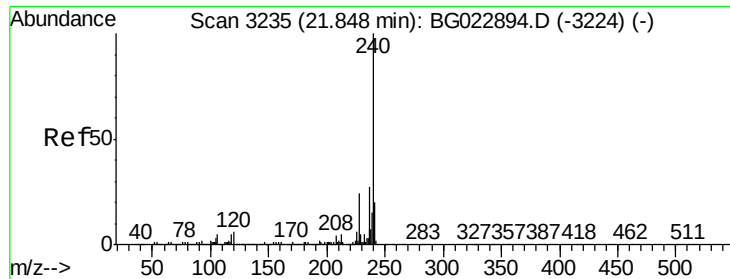


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.75 min Scan# 3219

Delta R.T. -0.10 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

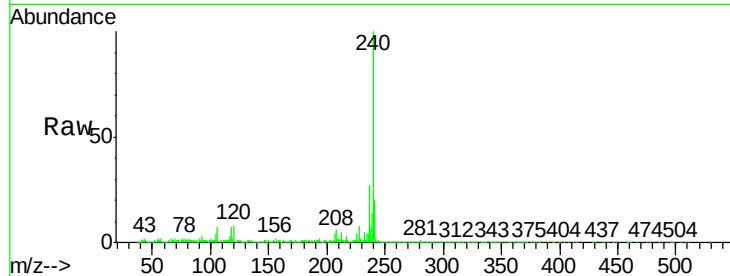
Tgt Ion:240 Resp: 890443

Ion Ratio Lower Upper

240 100

120 8.1 4.1 6.1#

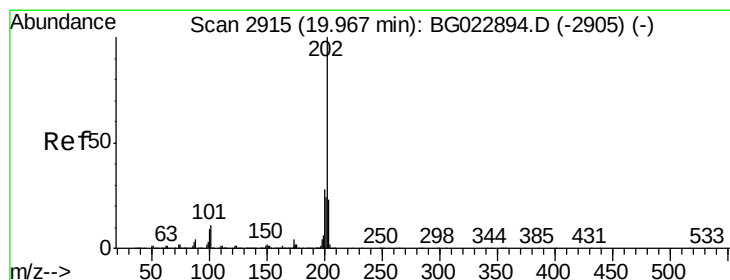
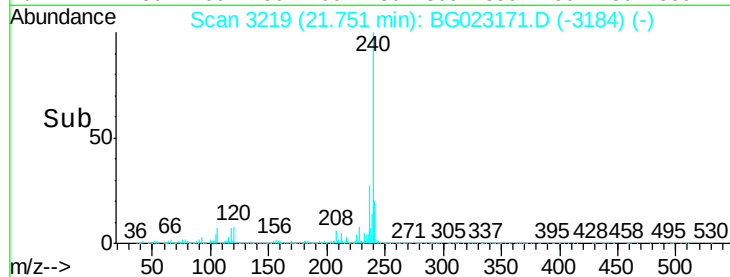
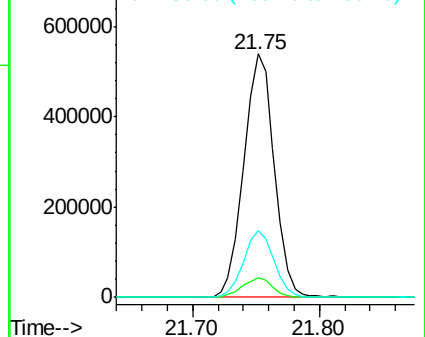
236 27.3 21.1 31.7



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: 8.63 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.08 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

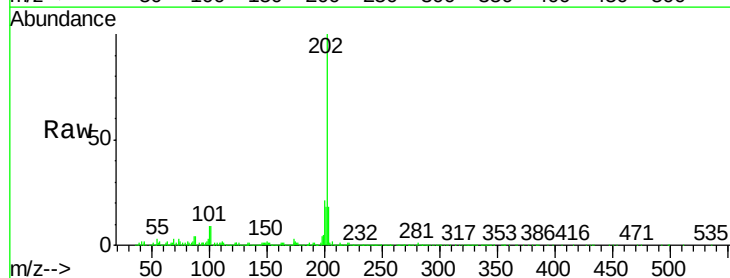
Tgt Ion:202 Resp: 431904

Ion Ratio Lower Upper

202 100

200 21.0 21.2 31.8#

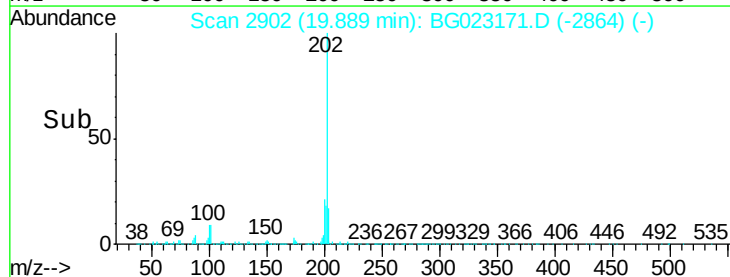
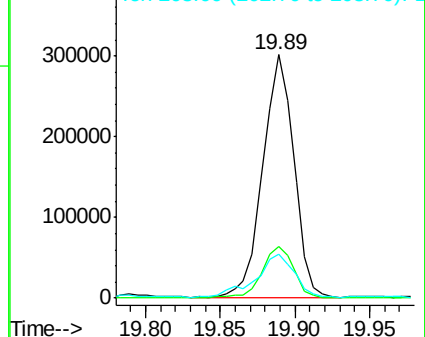
203 17.9 16.8 25.2

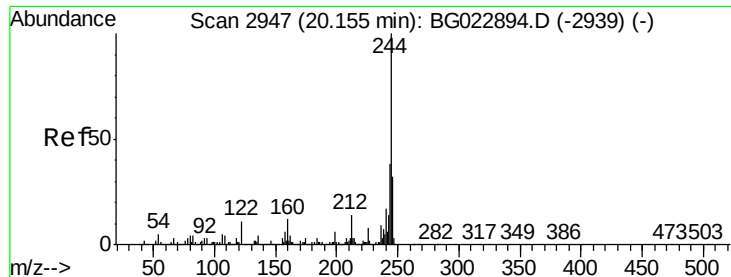


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.87 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.08 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Instrument :

BNA_G

ClientSampleId :

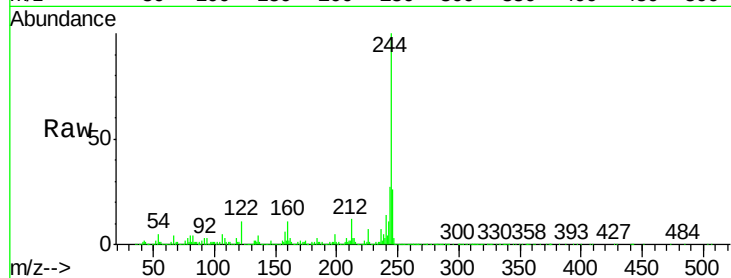
Tgt Ion:244 Resp: 2275925

Ion Ratio Lower Upper

244 100

212 12.2 10.8 16.2

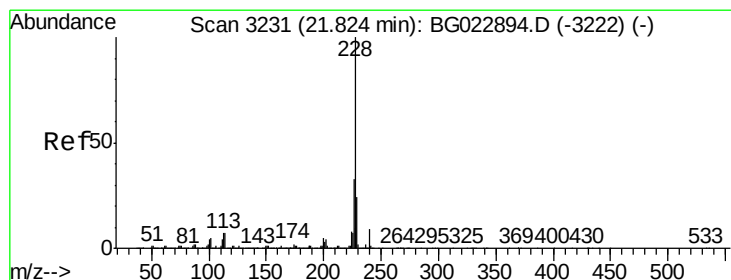
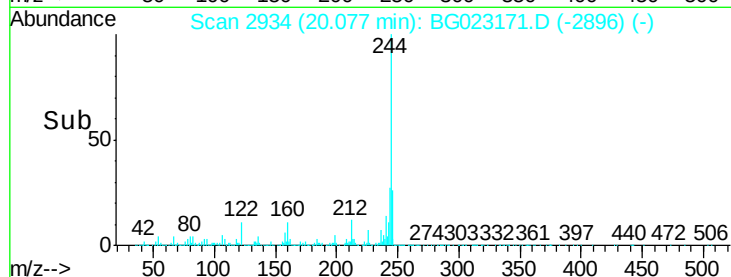
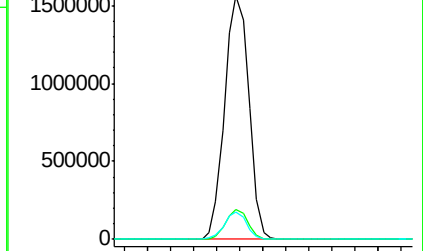
122 11.1 8.0 12.0



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



#80

Benzo(a)anthracene

Concen: 5.54 ng

RT: 21.73 min Scan# 3216

Delta R.T. -0.09 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

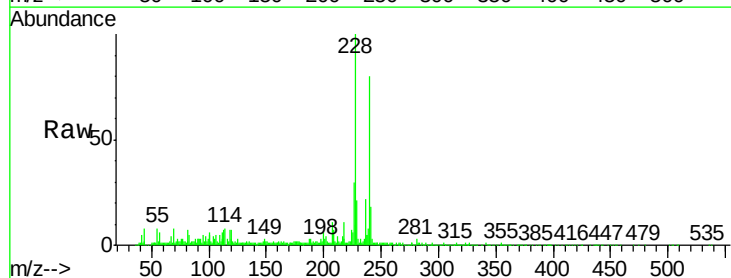
Tgt Ion:228 Resp: 276209

Ion Ratio Lower Upper

228 100

226 29.5 25.3 37.9

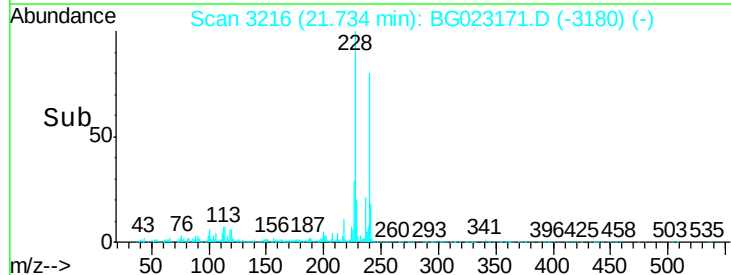
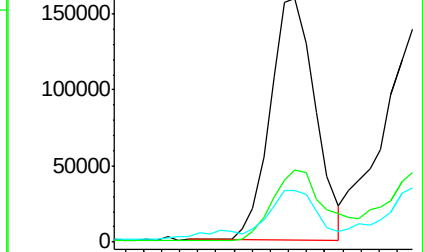
229 21.2 19.9 29.9

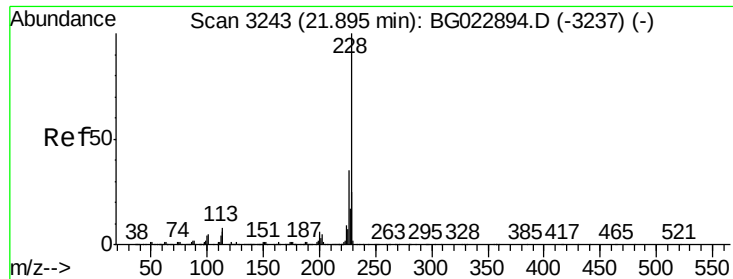


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.99 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.10 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

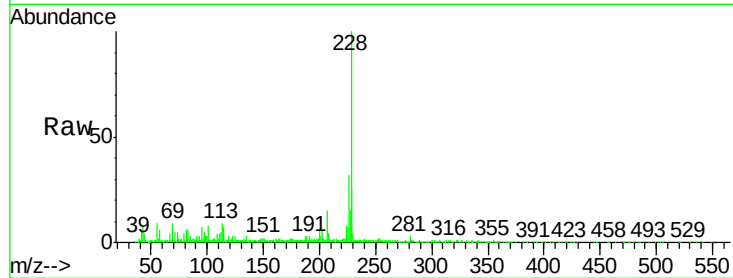
Instrument :

BNA_G

ClientSampleId :

Tgt Ion:228 Resp: 279987

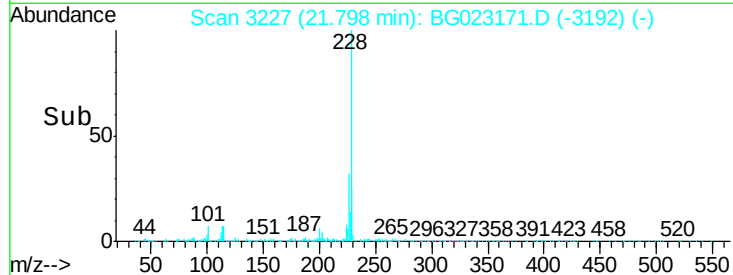
Ion	Ratio	Lower	Upper
228	100		
226	32.5	26.7	40.1
229	25.6	17.4	26.2



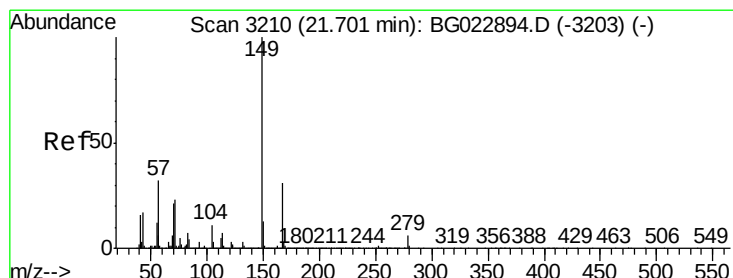
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.17 ng

RT: 21.60 min Scan# 3194

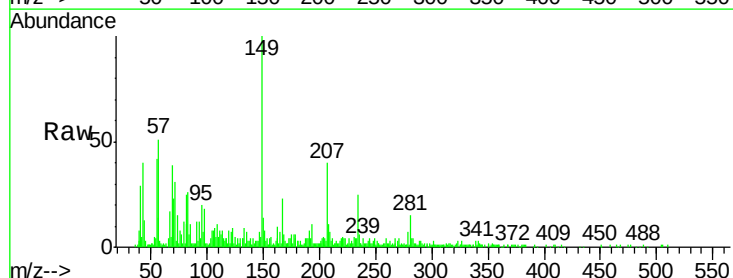
Delta R.T. -0.10 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Tgt Ion:149 Resp: 87304

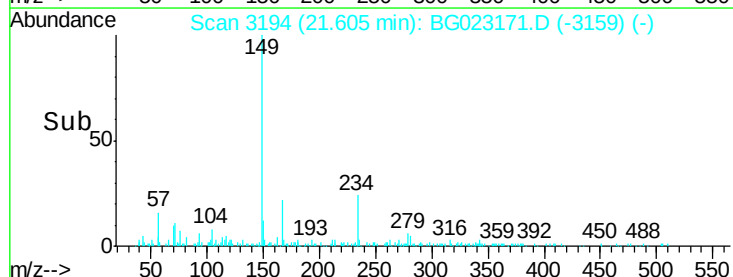
Ion	Ratio	Lower	Upper
149	100		
167	22.6	24.0	36.0#
279	6.7	4.8	7.2



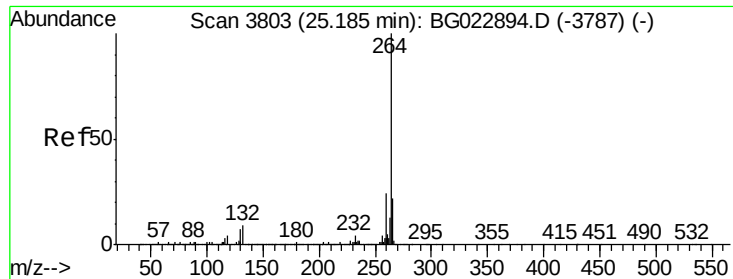
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



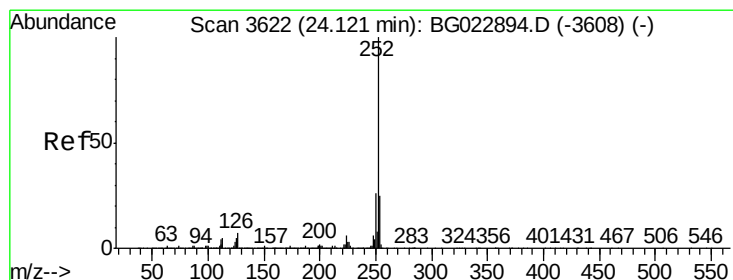
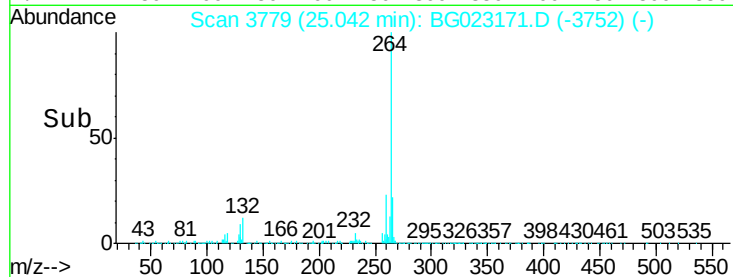
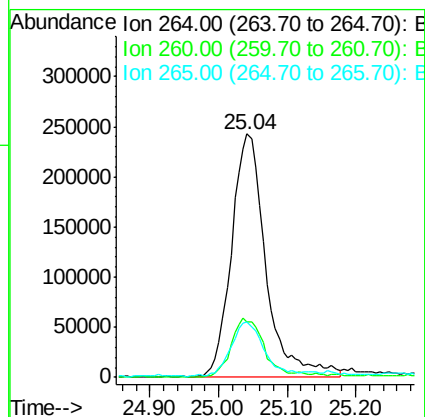
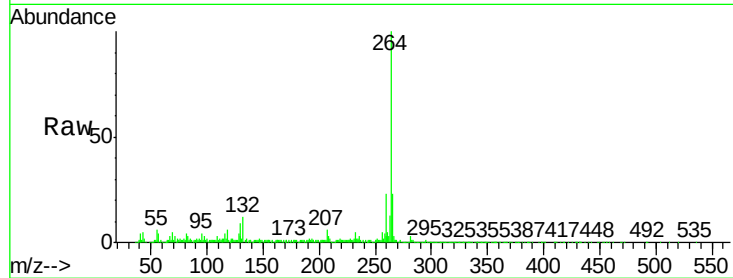
Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3779
Delta R.T. -0.14 min
Lab File: BG023171.D
Acq: 18 Jul 2016 23:18

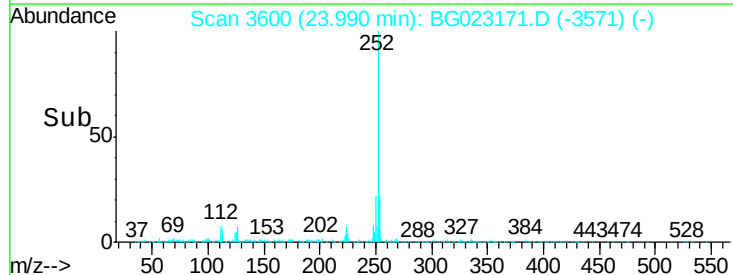
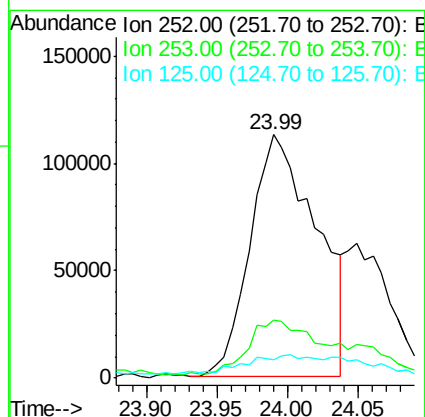
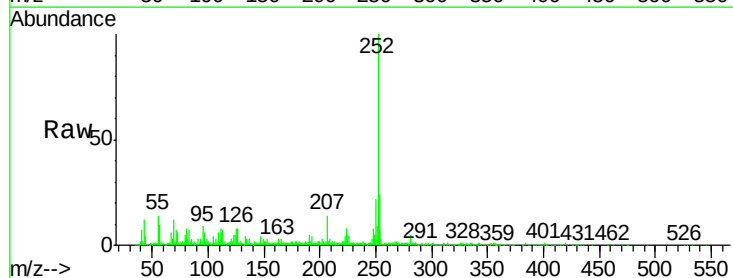
Instrument :
BNA_G
ClientSampleId :

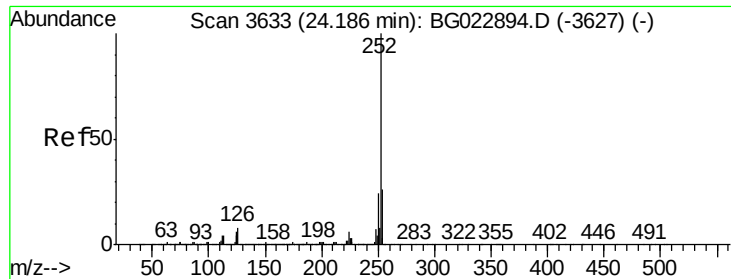
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.4	27.6
265	22.7	18.9	28.3



#87
Benzo(b)fluoranthene
Concen: 7.59 ng
RT: 23.99 min Scan# 3600
Delta R.T. -0.13 min
Lab File: BG023171.D
Acq: 18 Jul 2016 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	7.6	3.9	5.9





#88

Benzo(k)fluoranthene

Concen: 8.00 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.20 min

Lab File: BG023171.D

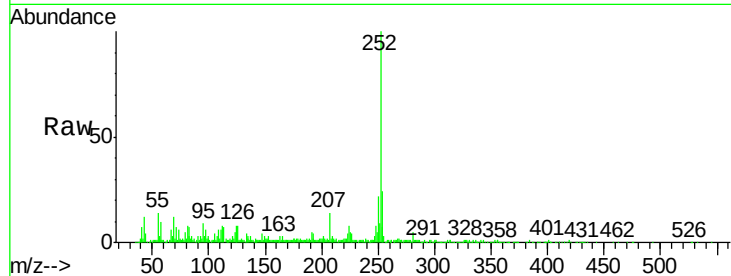
Acq: 18 Jul 2016 23:18

Instrument :

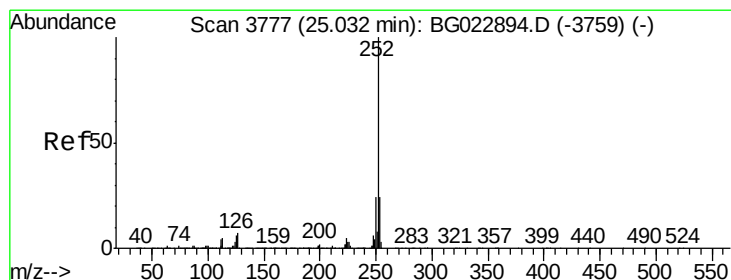
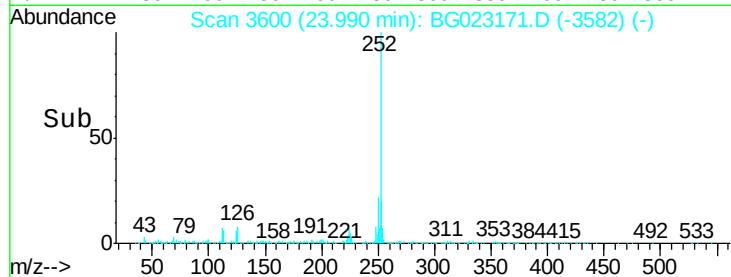
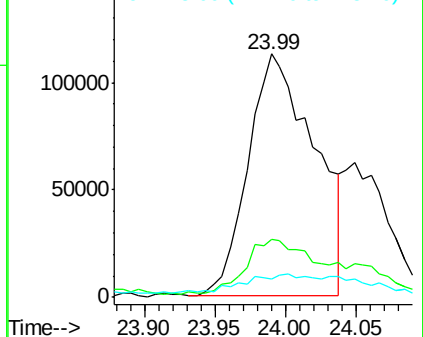
BNA_G

ClientSampleId :

Tgt Ion:	252	Resp:	368843
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.8	28.2
125	7.6	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



#89

Benzo(a)pyrene

Concen: 5.13 ng

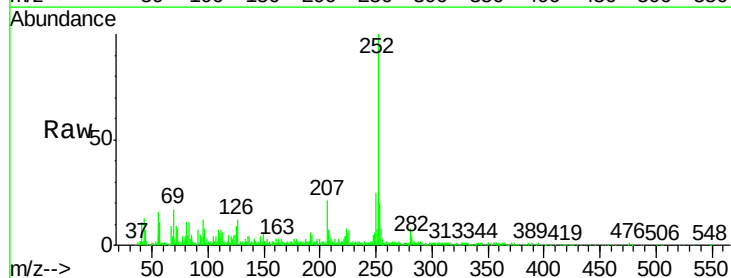
RT: 24.88 min Scan# 3752

Delta R.T. -0.15 min

Lab File: BG023171.D

Acq: 18 Jul 2016 23:18

Tgt Ion:	252	Resp:	239015
Ion Ratio	Lower	Upper	
252	100		
253	20.3	18.7	28.1
125	9.4	3.9	5.9#



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

