

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018025.D
 Acq On : 21 Jul 2015 16:33
 Operator : TP/UM
 Sample : G2957-03RE 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-2RE

Quant Time: Jul 22 02:02:47 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 01:57:03 2015
 Response via : Initial Calibration

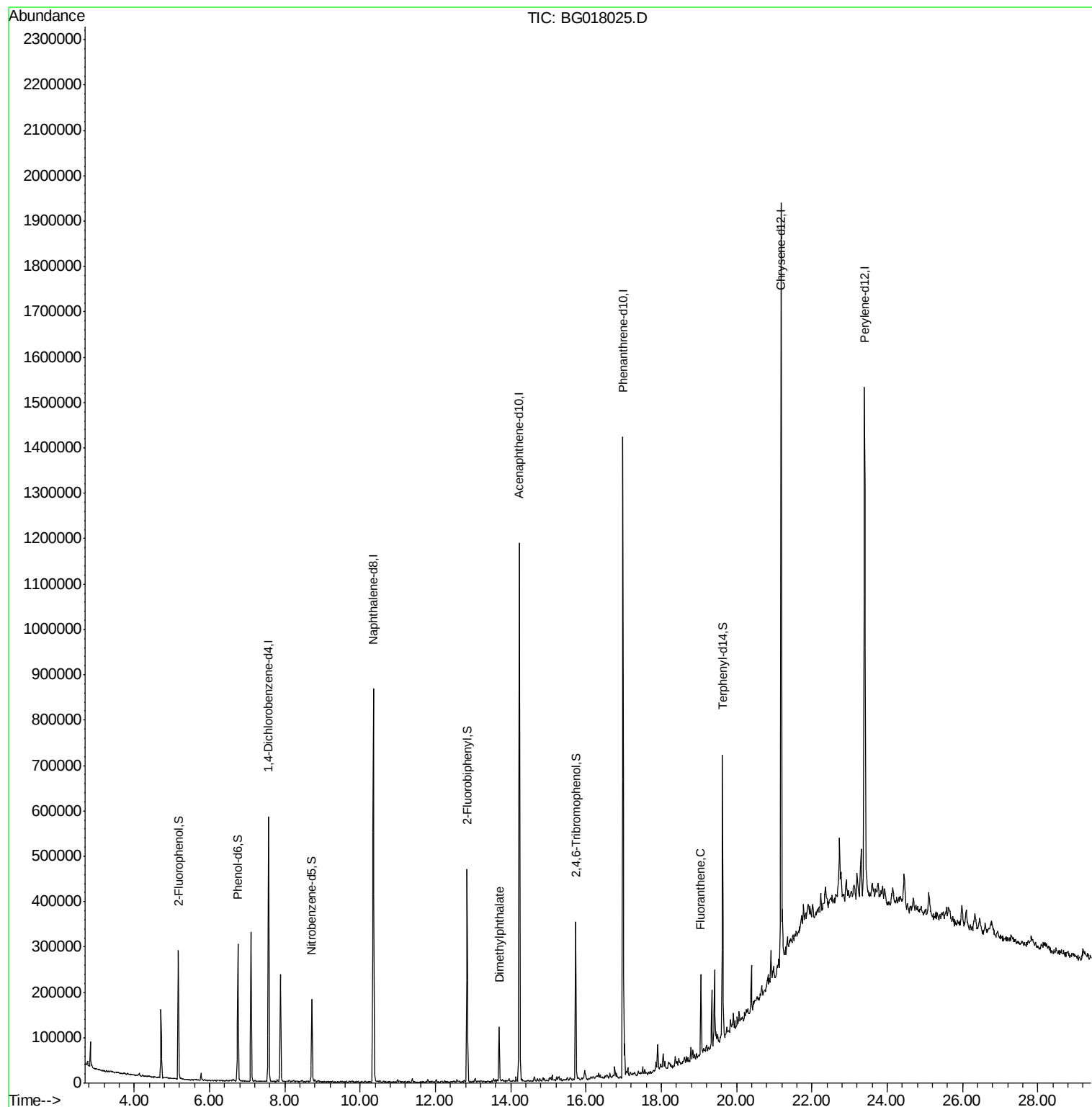
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	164919	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	725467	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	434530	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	799200	20.00	ng	0.00
75) Chrysene-d12	21.18	240	805400	20.00	ng	0.00
86) Perylene-d12	23.40	264	861427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	131158	13.87	ng	0.00
7) Phenol-d6	6.75	99	183934	14.85	ng	0.00
23) Nitrobenzene-d5	8.72	82	104716	9.35	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	64217	14.59	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	241723	9.64	ng	0.00
78) Terphenyl-d14	19.63	244	279860	8.75	ng	0.00
Target Compounds						
49) Dimethylphthalate	13.69	163	78381	2.60	ng	99
69) Pentachlorophenol	16.64	266	71	Below Cal	#	18
74) Fluoranthene	19.05	202	95034	2.11	ng	99

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

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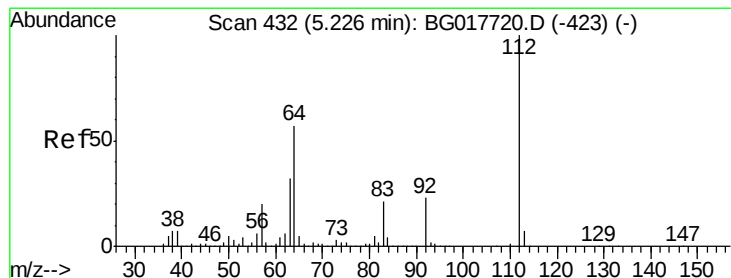
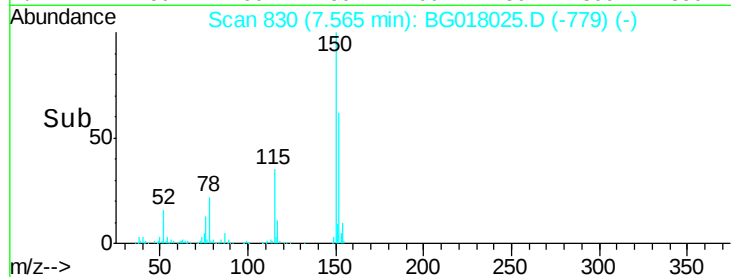
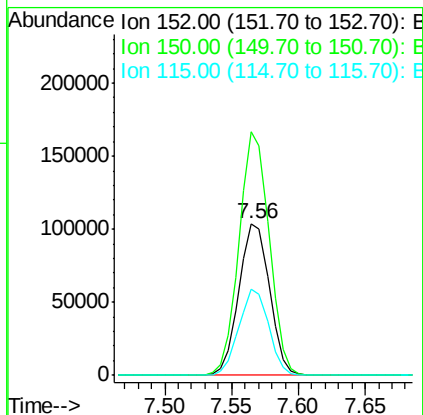
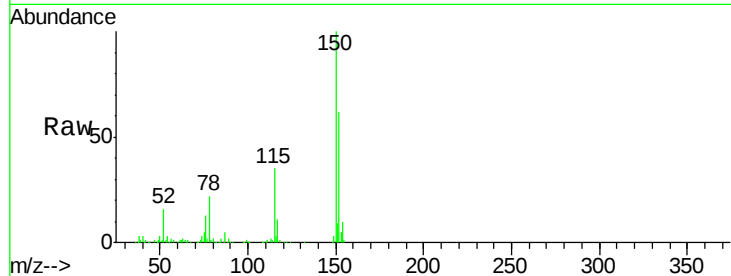


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG018025.D
Acq: 21 Jul 2015 16:33

Instrument :
BNA_G
ClientSampleId :
TOPSOIL-2RE

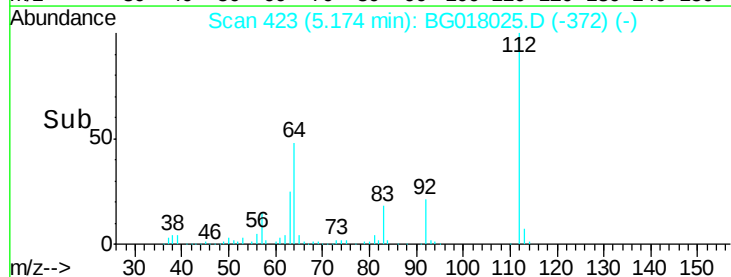
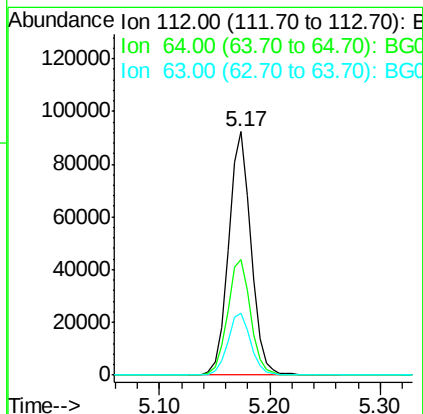
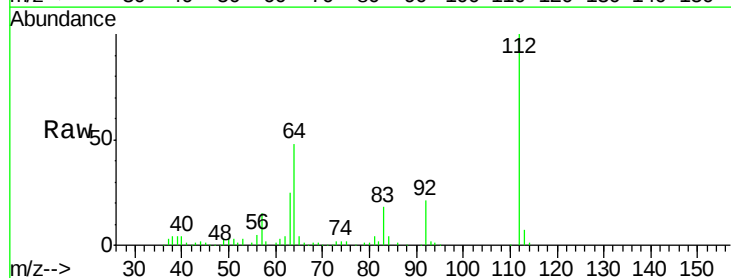
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.7	119.1	178.7
115	57.0	47.0	70.4

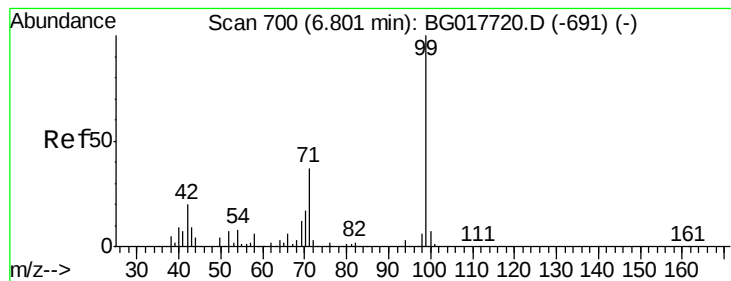


#5

2-Fluorophenol
Concen: 13.87 ng
RT: 5.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG018025.D
Acq: 21 Jul 2015 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.7	45.4	68.0
63	25.3	25.3	37.9





#7

Phenol-d6

Concen: 14.85 ng

RT: 6.75 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-2RE

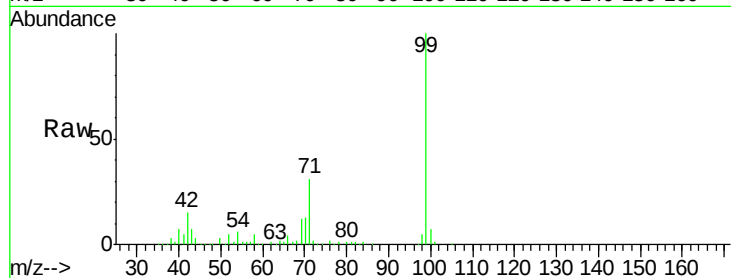
Tgt Ion: 99 Resp: 183934

Ion Ratio Lower Upper

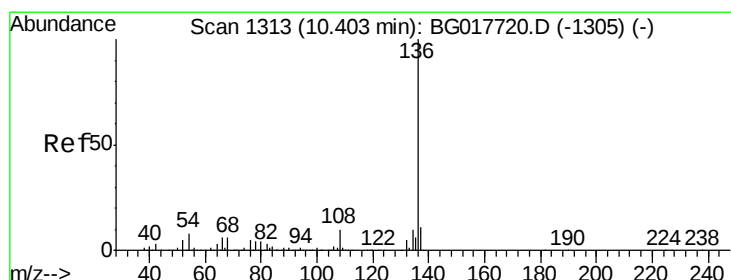
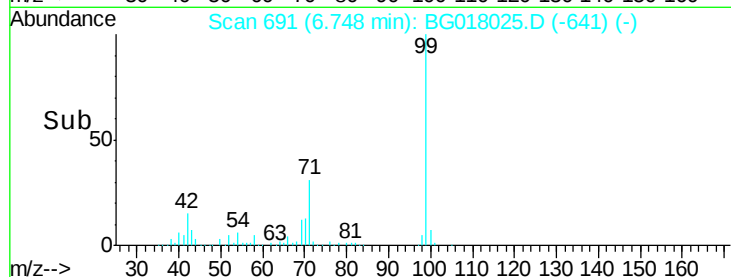
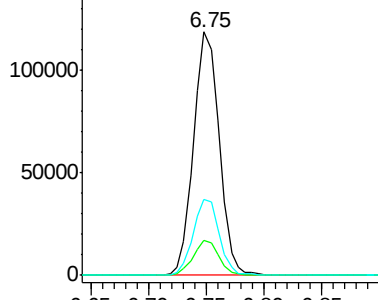
99 100

42 14.6 16.2 24.4#

71 31.4 29.5 44.3



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: 10.35 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

Tgt Ion: 136 Resp: 725467

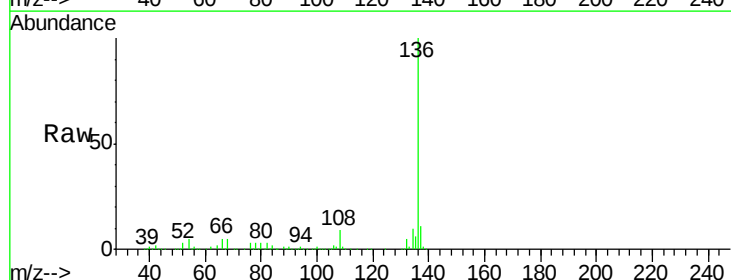
Ion Ratio Lower Upper

136 100

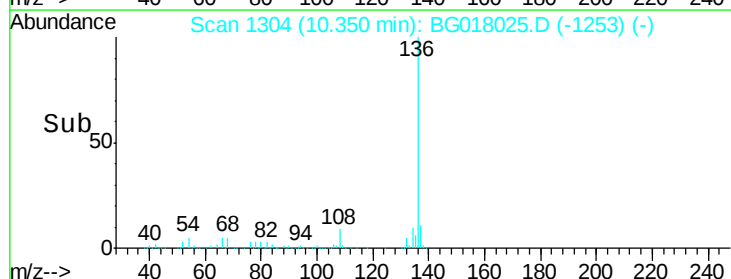
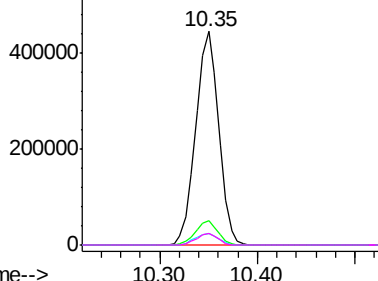
137 11.1 8.8 13.2

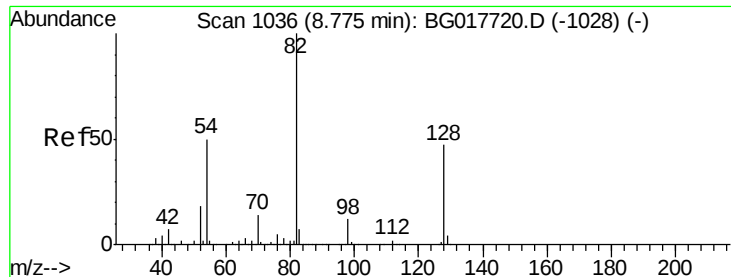
54 5.4 6.6 9.8#

68 5.1 5.1 7.7



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

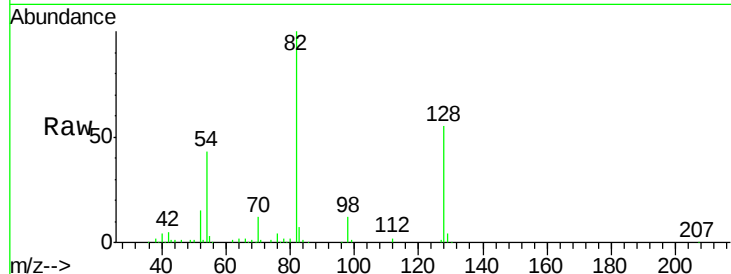




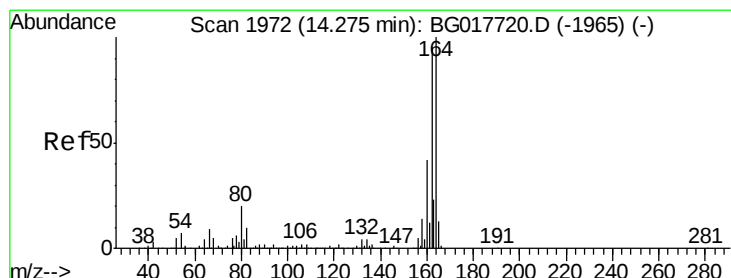
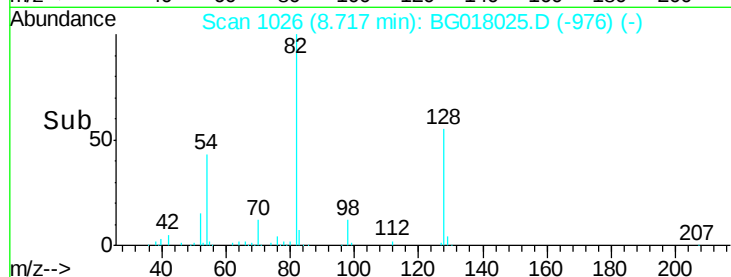
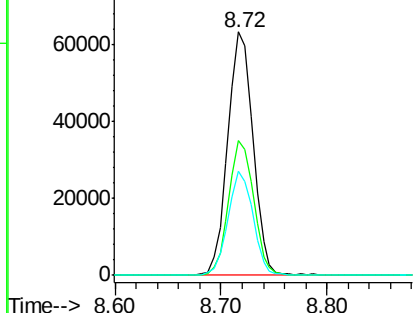
#23
 Nitrobenzene-d5
 Concen: 9.35 ng
 RT: 8.72 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BG018025.D
 Acq: 21 Jul 2015 16:33

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-2RE

Tgt Ion: 82 Resp: 104716
 Ion Ratio Lower Upper
 82 100
 128 55.3 37.8 56.6
 54 42.8 39.9 59.9

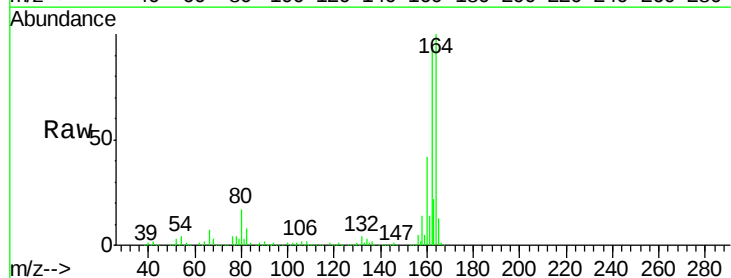


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

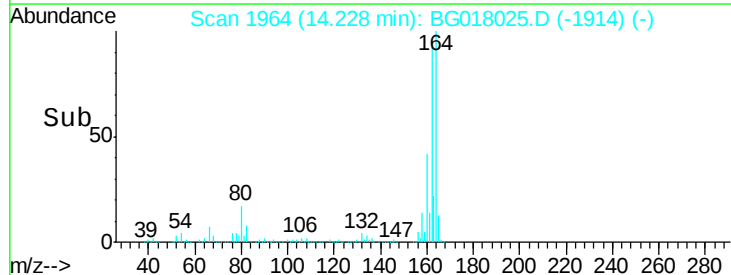
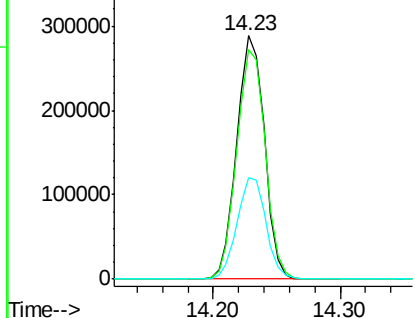


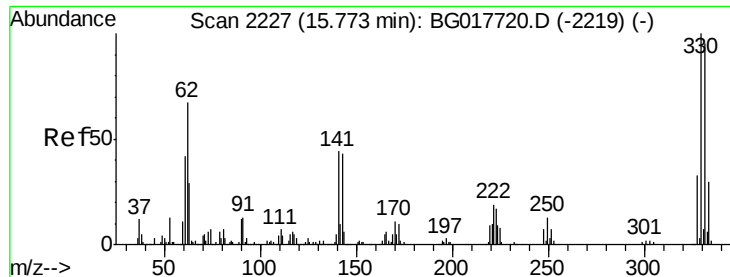
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.23 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BG018025.D
 Acq: 21 Jul 2015 16:33

Tgt Ion: 164 Resp: 434530
 Ion Ratio Lower Upper
 164 100
 162 94.3 76.3 114.5
 160 41.9 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

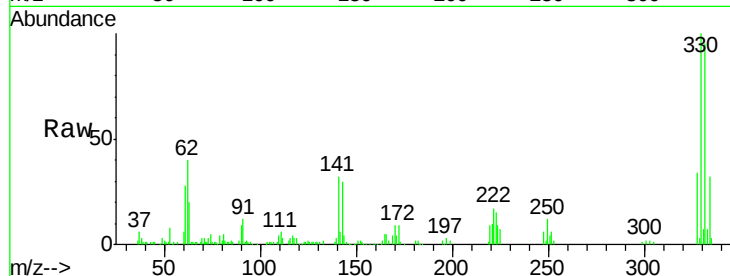




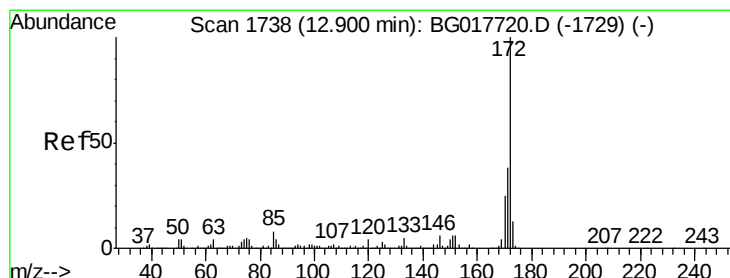
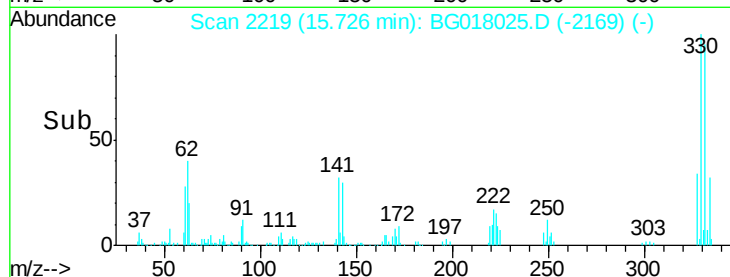
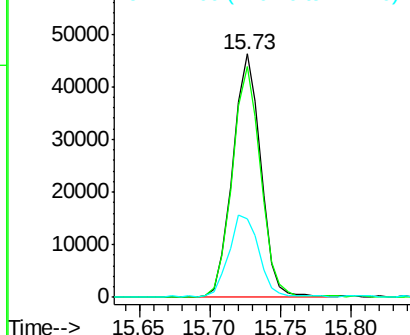
#41
 2,4,6-Tribromophenol
 Concen: 14.59 ng
 RT: 15.73 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG018025.D
 Acq: 21 Jul 2015 16:33

Instrument :
 BNA_G
 ClientSampleId :
 TOPSOIL-2RE

Tgt Ion: 330 Resp: 64217
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.8 115.2
 141 36.1 38.0 57.0#

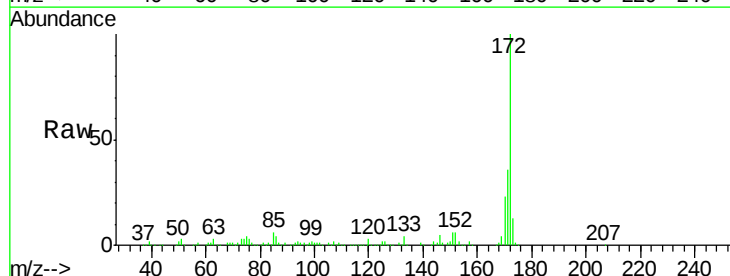


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

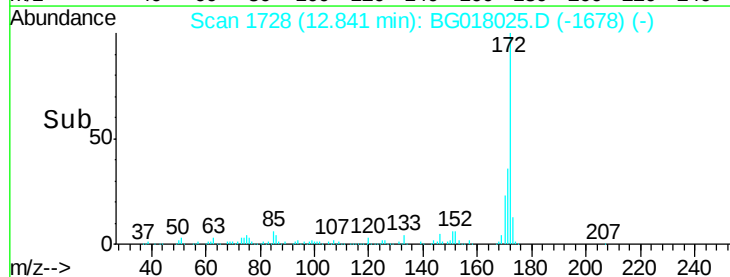
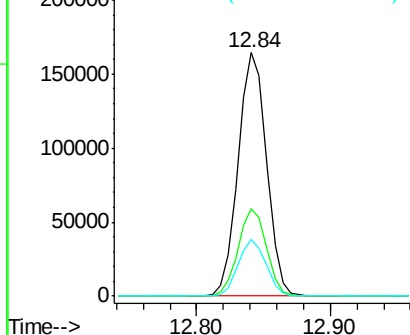


#44
 2-Fluorobiphenyl
 Concen: 9.64 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG018025.D
 Acq: 21 Jul 2015 16:33

Tgt Ion: 172 Resp: 241723
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.7 46.1
 170 23.3 19.7 29.5



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: 2.60 ng

RT: 13.69 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

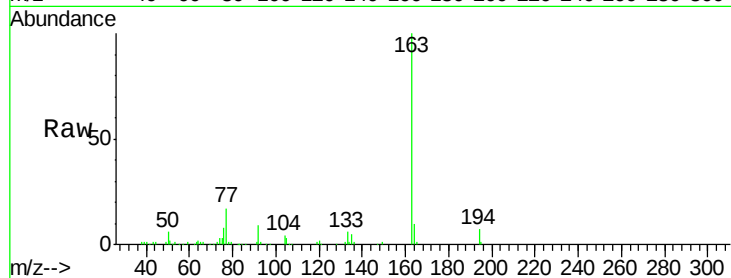
Instrument :

BNA_G

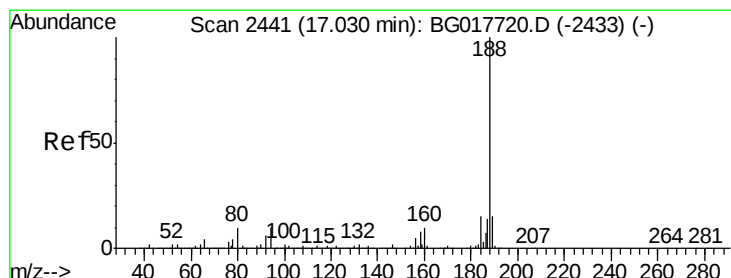
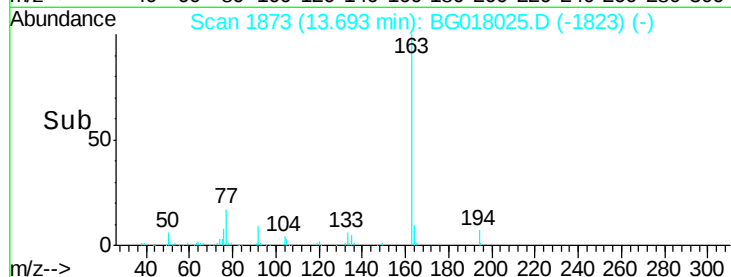
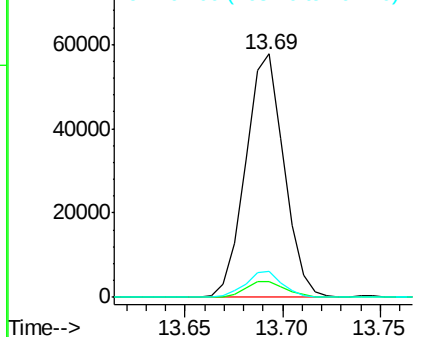
ClientSampleId :

TOPSOIL-2RE

Tgt Ion:	163	Resp:	78381
Ion	Ratio	Lower	Upper
163	100		
194	6.5	5.8	8.6
164	10.4	8.3	12.5



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

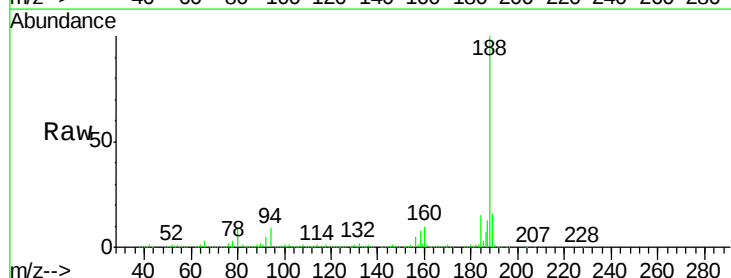
RT: 16.98 min Scan# 2433

Delta R.T. -0.00 min

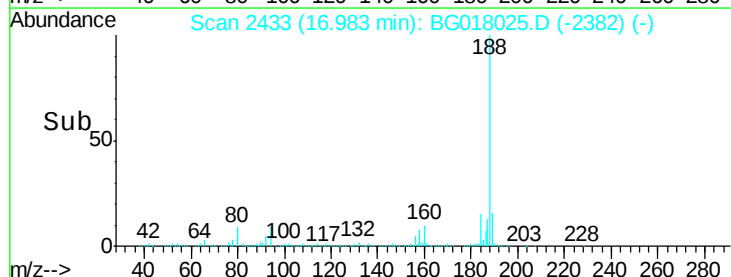
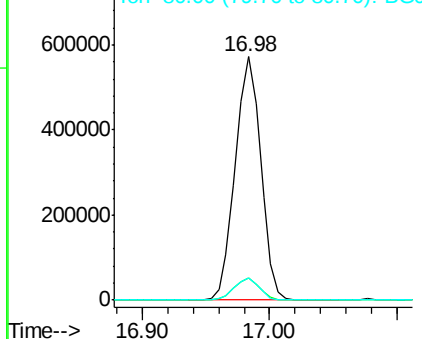
Lab File: BG018025.D

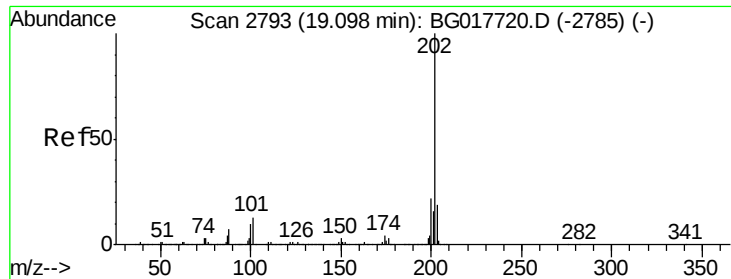
Acq: 21 Jul 2015 16:33

Tgt Ion:	188	Resp:	799200
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	9.1	8.2	12.4



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





#74

Fluoranthene

Concen: 2.11 ng

RT: 19.05 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

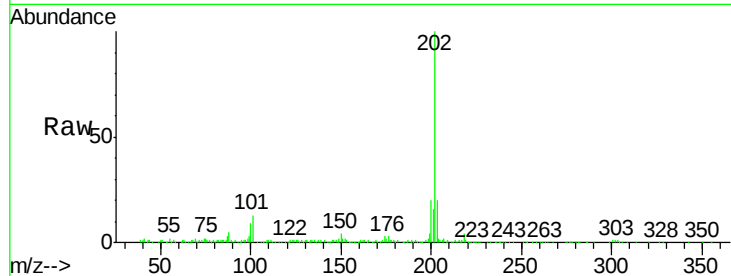
Instrument :

BNA_G

ClientSampleId :

TOPSOIL-2RE

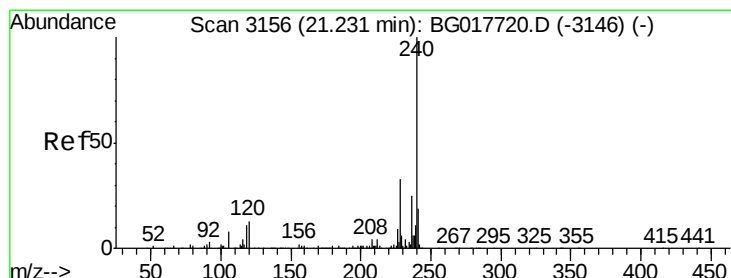
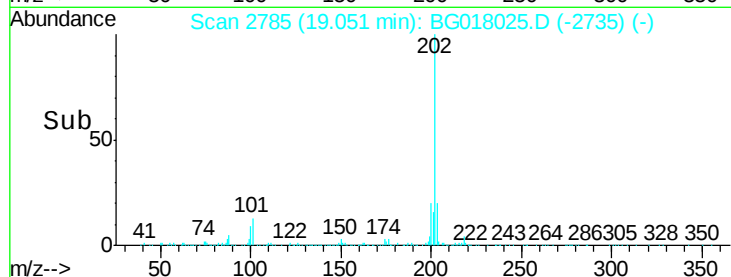
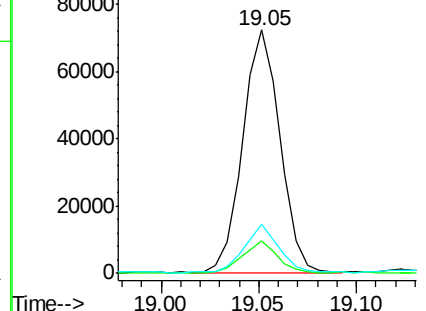
Tgt Ion:	202	Resp:	95034
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	33.3
203	20.1	0.0	39.5



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

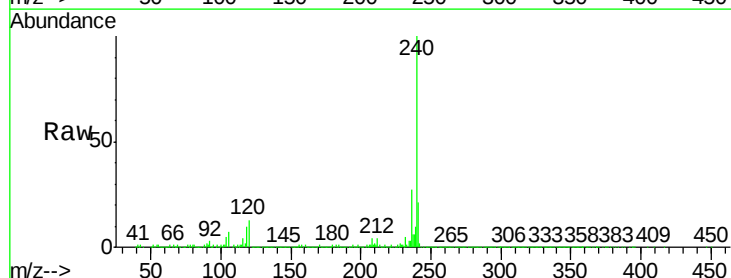
RT: 21.18 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

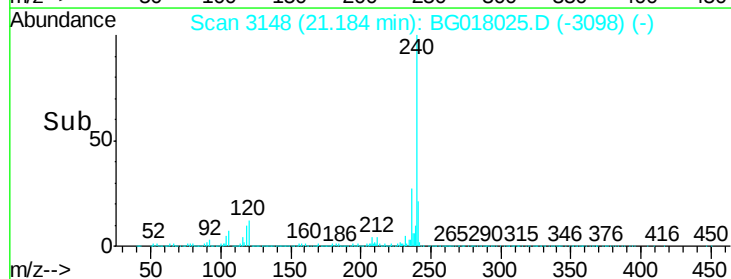
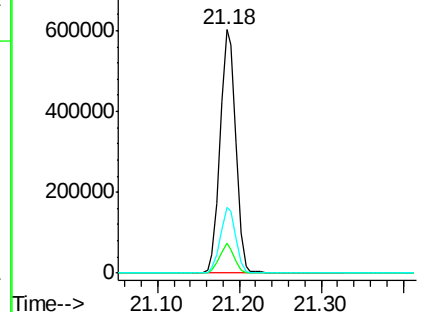
Tgt Ion:	240	Resp:	805400
Ion Ratio	Lower	Upper	
240	100		
120	12.5	10.8	16.2
236	26.7	20.0	30.0

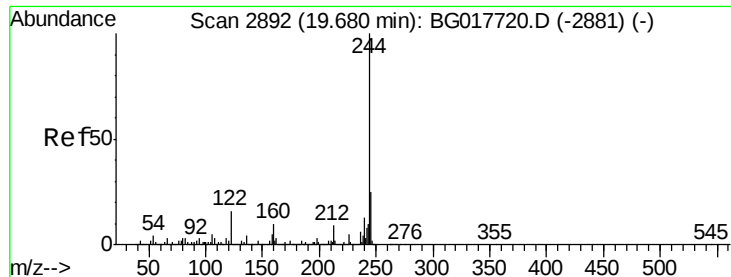


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 8.75 ng

RT: 19.63 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

Instrument :

BNA_G

ClientSampleId :

TOPSOIL-2RE

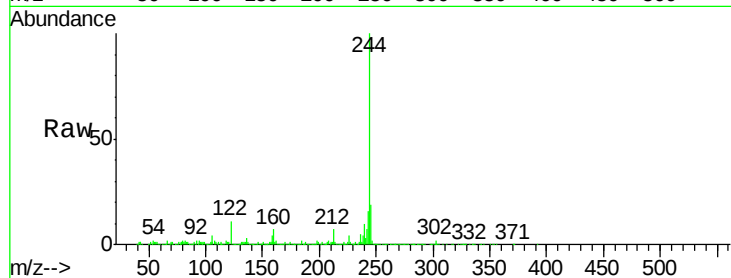
Tgt Ion:244 Resp: 279860

Ion Ratio Lower Upper

244 100

212 7.0 7.2 10.8#

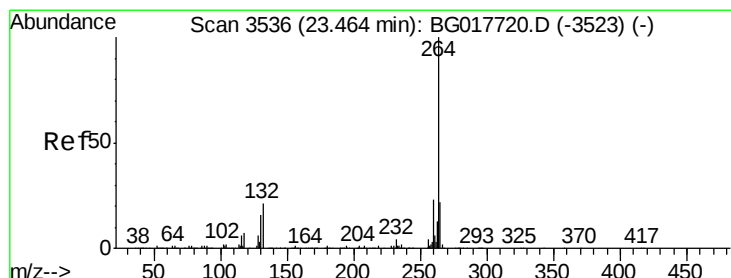
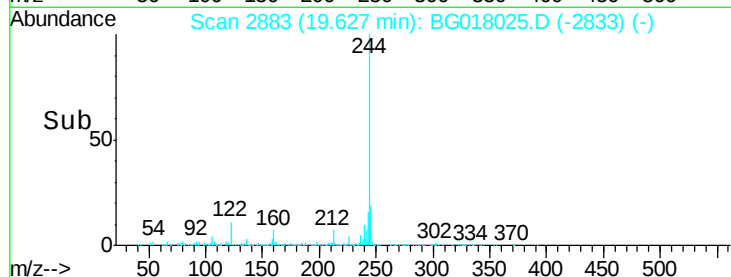
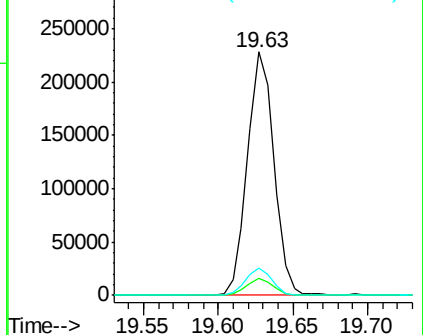
122 11.4 12.8 19.2#



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

Perylene-d12

Concen: 20.00 ng

RT: 23.40 min Scan# 3525

Delta R.T. -0.00 min

Lab File: BG018025.D

Acq: 21 Jul 2015 16:33

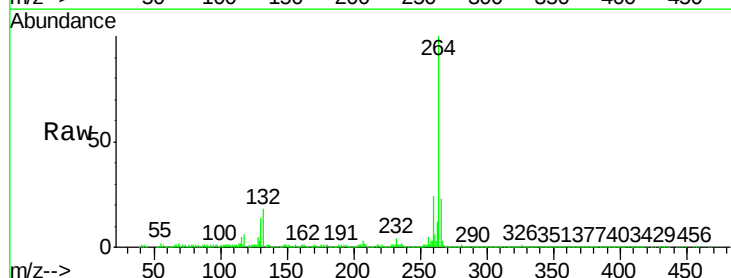
Tgt Ion:264 Resp: 861427

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.7 18.2 27.2



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

