

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072115\
 Data File : BG018047.D
 Acq On : 22 Jul 2015 7:19
 Operator : TP/UM
 Sample : G3027-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-10-3.0-3.5

Quant Time: Jul 22 07:58:07 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 04:14:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	57822	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	271323	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	168450	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	334263	20.00	ng	0.00
75) Chrysene-d12	21.17	240	361497	20.00	ng	0.00
86) Perylene-d12	23.36	264	363116	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	404359	121.99	ng	0.00
7) Phenol-d6	6.74	99	570166	131.30	ng	0.00
23) Nitrobenzene-d5	8.70	82	345169	82.40	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	252737	148.09	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	865156	89.00	ng	0.00
78) Terphenyl-d14	19.62	244	1162357	80.99	ng	0.00

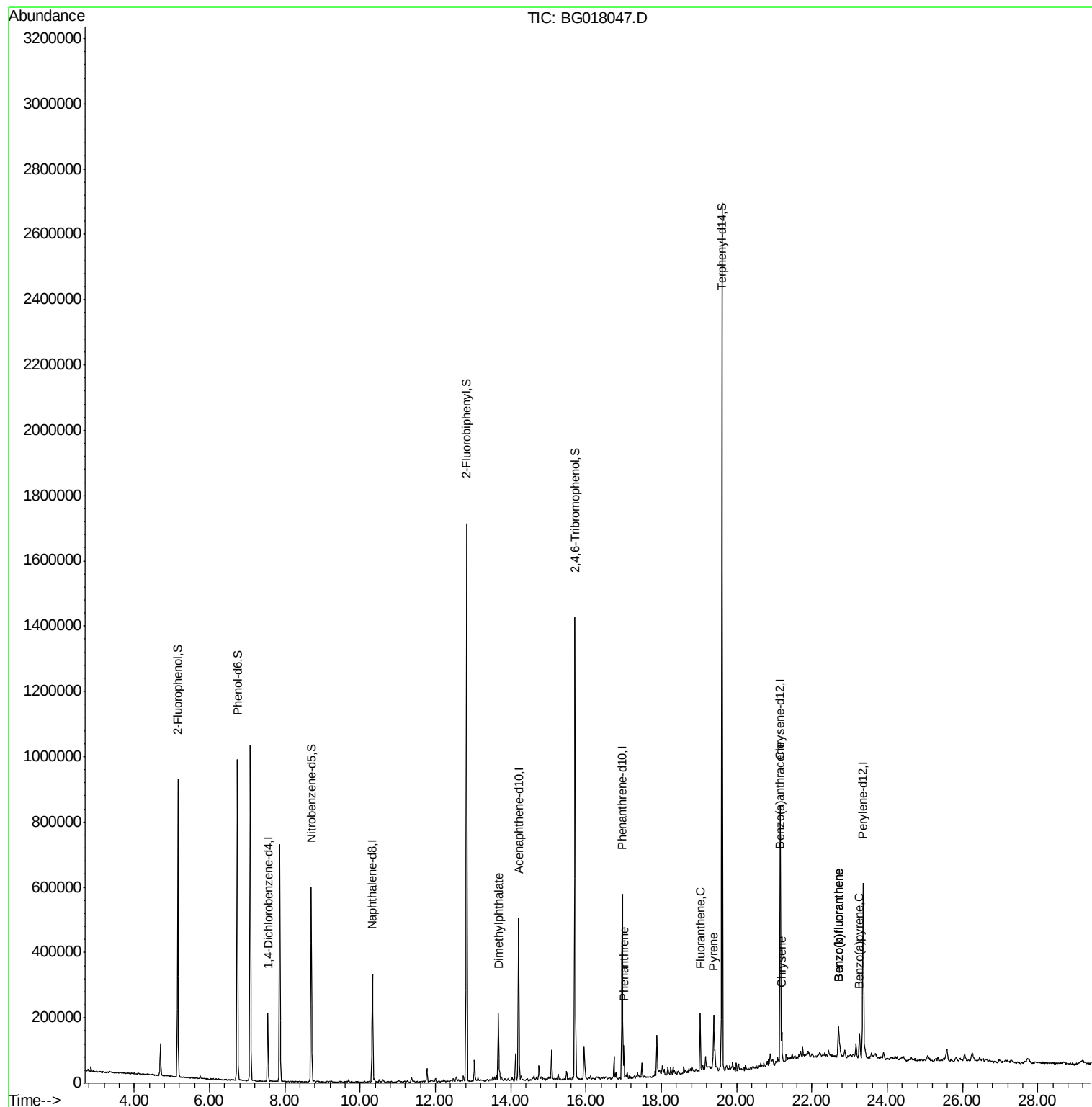
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	13.68	163	135310	11.56	ng	99
70) Phenanthrene	17.01	178	59417	3.45	ng	97
74) Fluoranthene	19.03	202	97047	5.14	ng	95
77) Pyrene	19.40	202	90540	4.49	ng	93
80) Benzo(a)anthracene	21.15	228	51646	2.70	ng	96
82) Chrysene	21.20	228	47380	2.61	ng	98
87) Benzo(b)fluoranthene	22.70	252	88694	4.46	ng	98
88) Benzo(k)fluoranthene	22.70	252	88694	4.47	ng	99
89) Benzo(a)pyrene	23.26	252	48952	2.64	ng	99

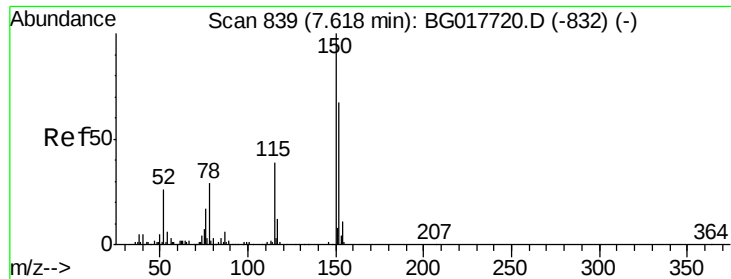
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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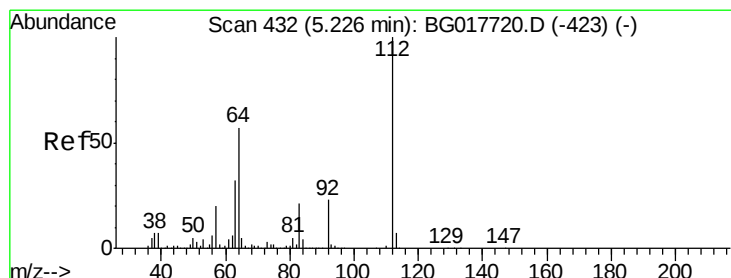
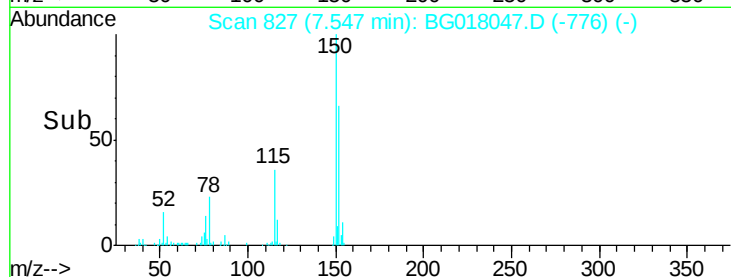
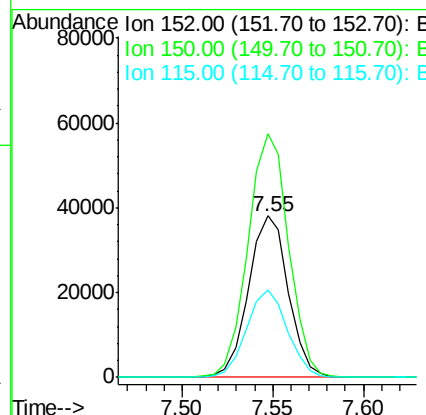
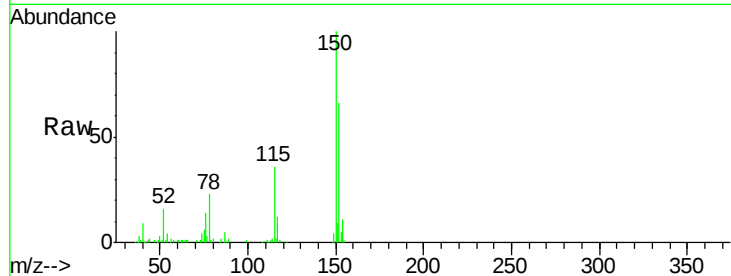


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG018047.D
Acq: 22 Jul 2015 7:19

Instrument :
BNA_G
ClientSampleId :
SB-10-3.0-3.5

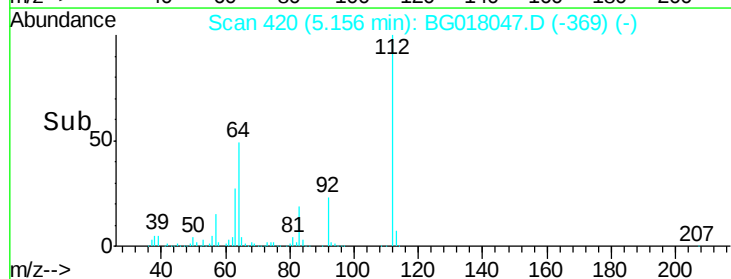
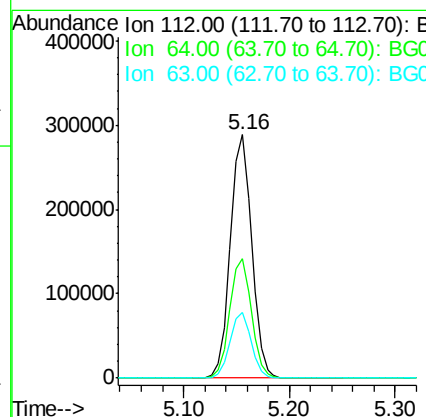
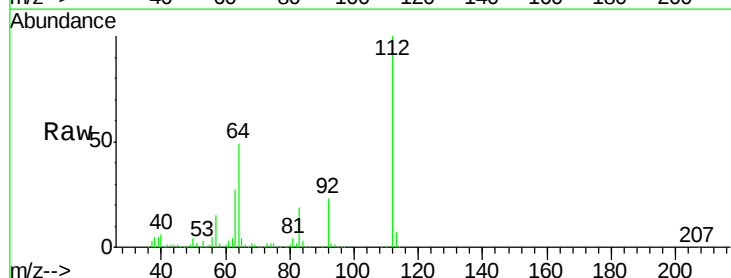
Tgt Ion:152 Resp: 57822
Ion Ratio Lower Upper
152 100
150 151.0 119.1 178.7
115 54.1 47.0 70.4

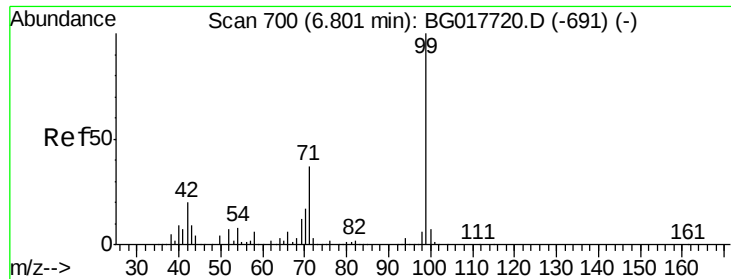


#5

2-Fluorophenol
Concen: 121.99 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG018047.D
Acq: 22 Jul 2015 7:19

Tgt Ion:112 Resp: 404359
Ion Ratio Lower Upper
112 100
64 49.3 45.4 68.0
63 27.2 25.3 37.9





#7

Phenol-d6

Concen: 131.30 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

BNA_G

ClientSampleId :

SB-10-3.0-3.5

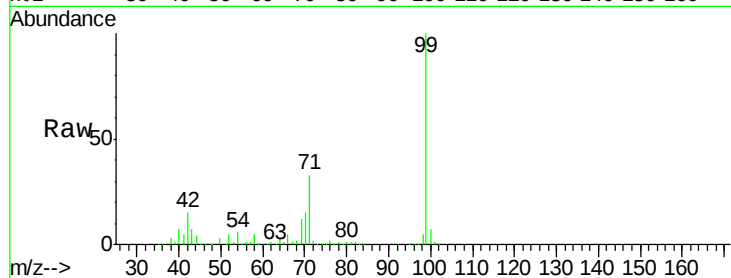
Tgt Ion: 99 Resp: 570166

Ion Ratio Lower Upper

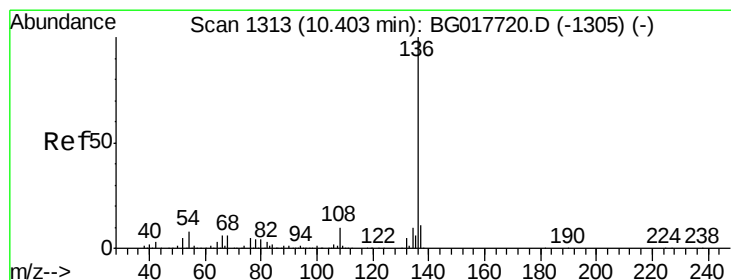
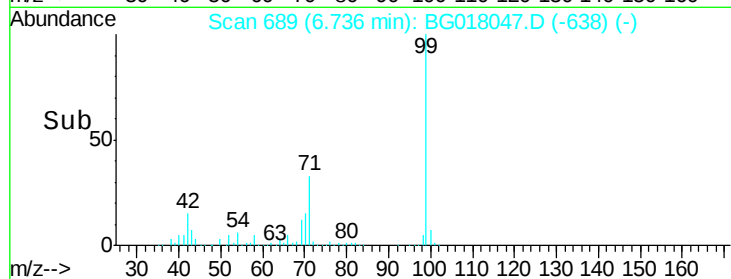
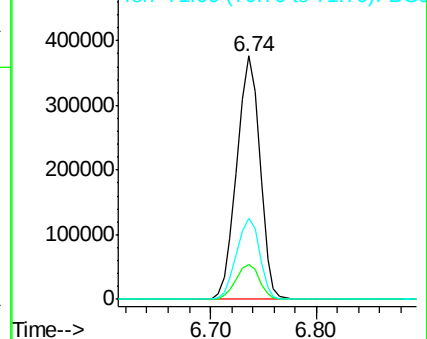
99 100

42 14.5 16.2 24.4#

71 33.4 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: 10.33 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Tgt Ion: 136 Resp: 271323

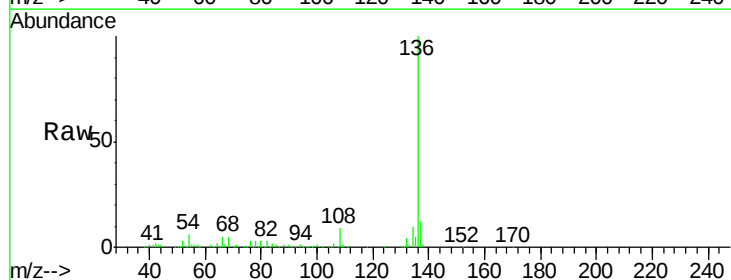
Ion Ratio Lower Upper

136 100

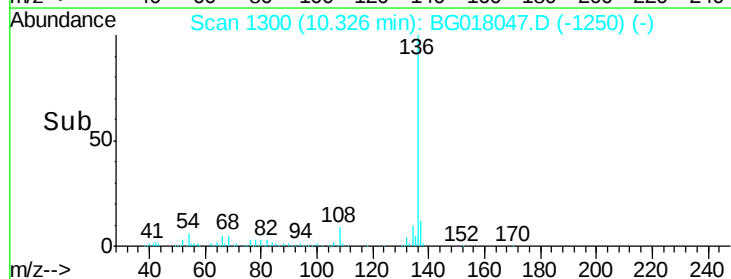
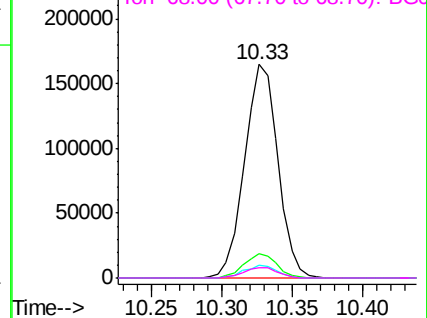
137 11.6 8.8 13.2

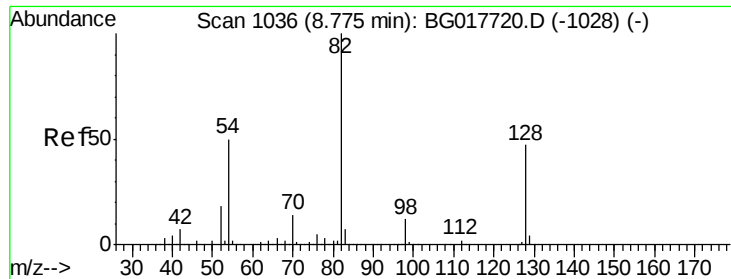
54 5.8 6.6 9.8#

68 4.8 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

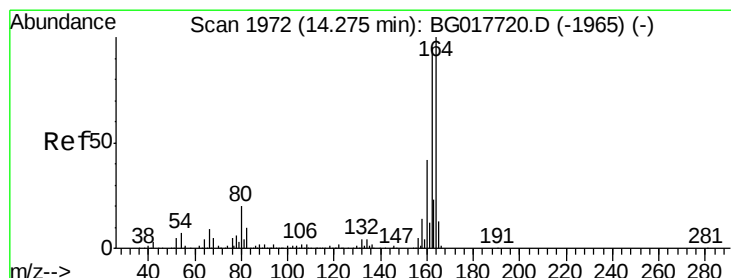
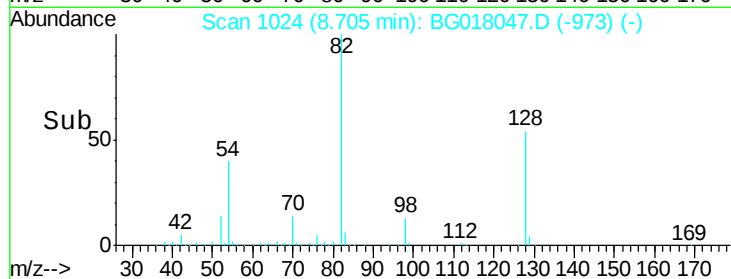
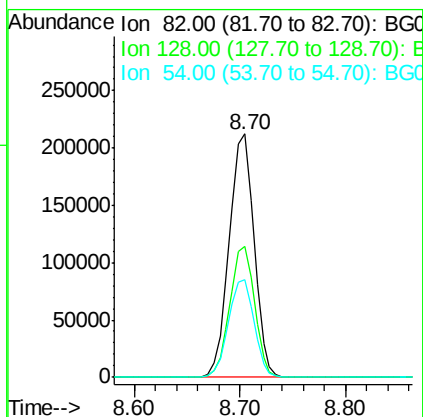
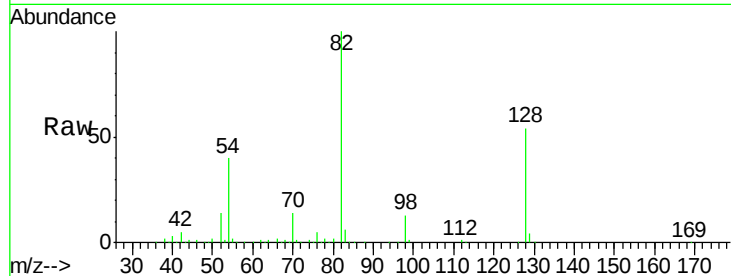




#23
 Nitrobenzene-d5
 Concen: 82.40 ng
 RT: 8.70 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BG018047.D
 Acq: 22 Jul 2015 7:19

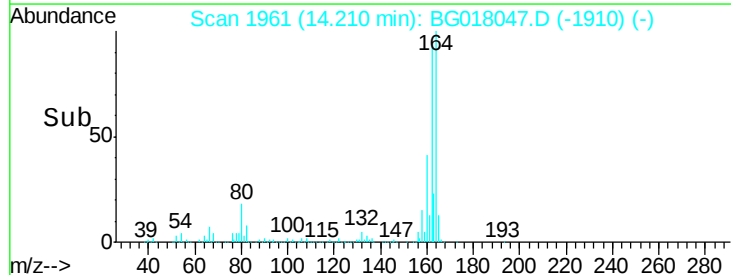
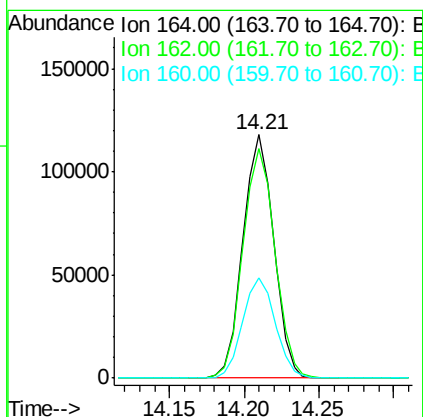
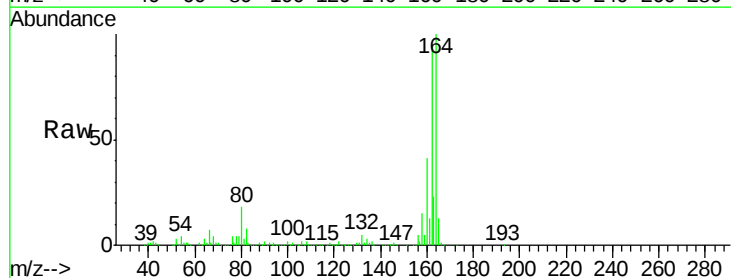
Instrument :
 BNA_G
 ClientSampleId :
 SB-10-3.0-3.5

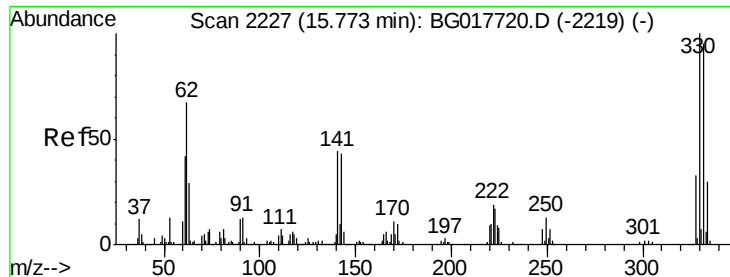
Tgt Ion	Ratio	Lower	Upper
82	100		
128	53.6	37.8	56.6
54	39.9	39.9	59.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.21 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BG018047.D
 Acq: 22 Jul 2015 7:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.3	76.3	114.5
160	41.0	33.7	50.5

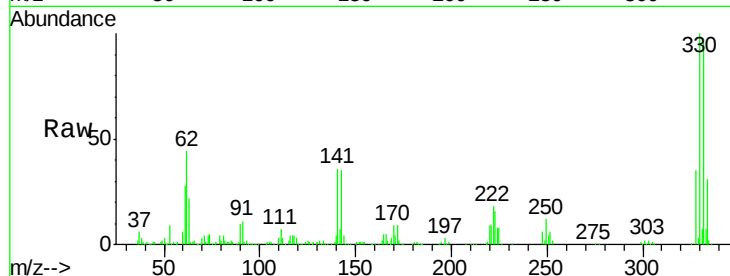




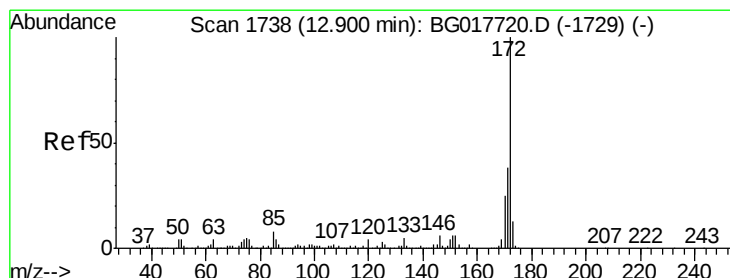
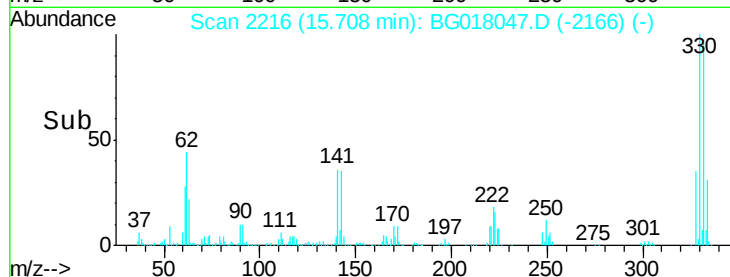
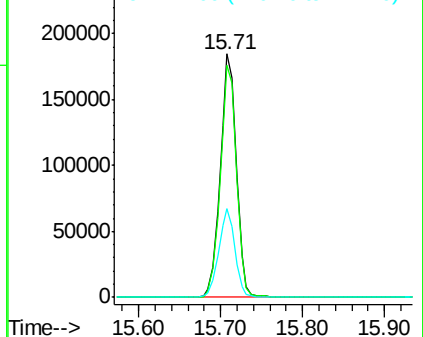
#41
 2,4,6-Tribromophenol
 Concen: 148.09 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG018047.D
 Acq: 22 Jul 2015 7:19

Instrument :
 BNA_G
 ClientSampleId :
 SB-10-3.0-3.5

Tgt Ion:330 Resp: 252737
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.8 115.2
 141 36.5 38.0 57.0#

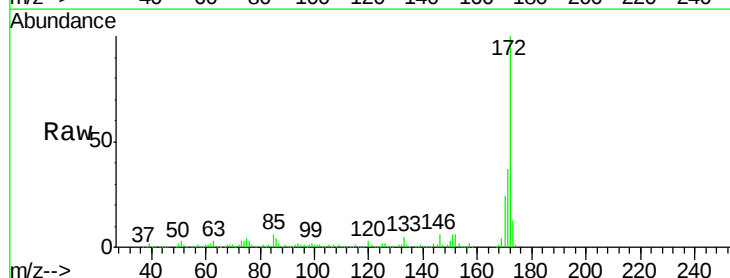


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

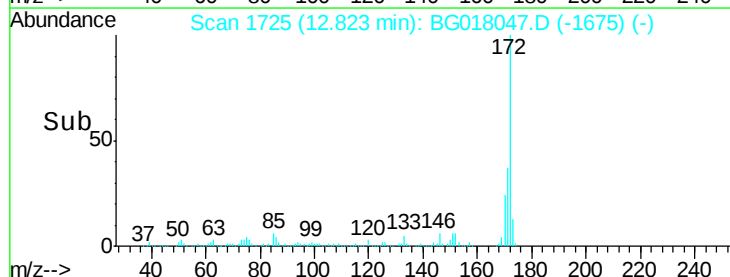
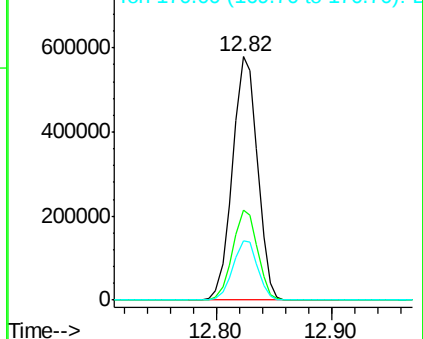


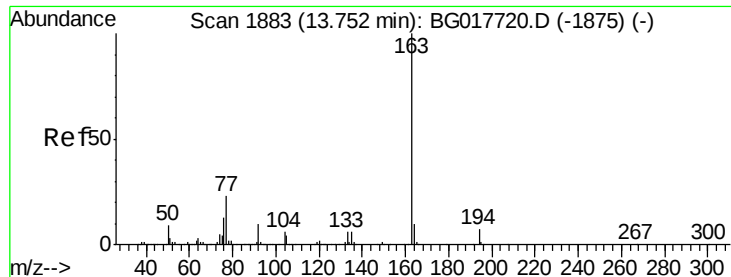
#44
 2-Fluorobiphenyl
 Concen: 89.00 ng
 RT: 12.82 min Scan# 1725
 Delta R.T. -0.01 min
 Lab File: BG018047.D
 Acq: 22 Jul 2015 7:19

Tgt Ion:172 Resp: 865156
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.7 46.1
 170 24.5 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: 11.56 ng

RT: 13.68 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

BNA_G

ClientSampleId :

SB-10-3.0-3.5

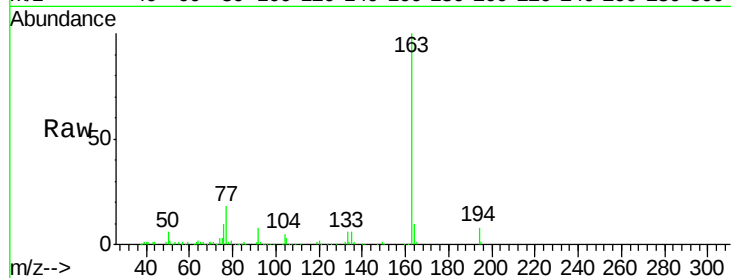
Tgt Ion:163 Resp: 135310

Ion Ratio Lower Upper

163 100

194 7.7 5.8 8.6

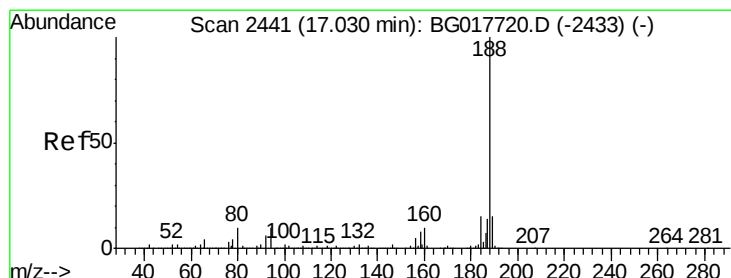
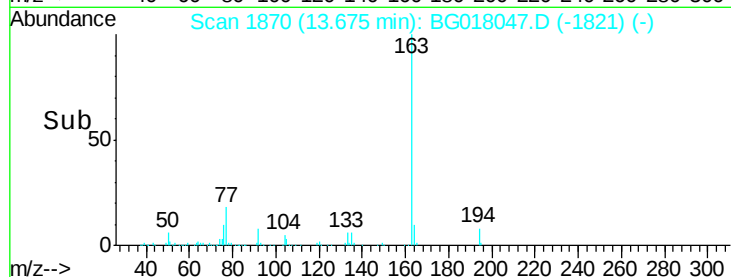
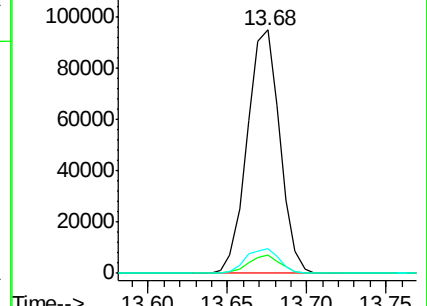
164 10.2 8.3 12.5



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: 16.97 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

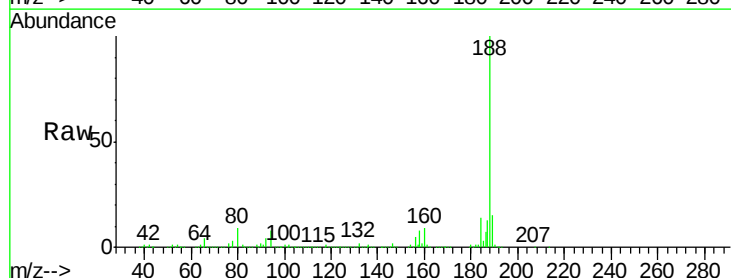
Tgt Ion:188 Resp: 334263

Ion Ratio Lower Upper

188 100

94 8.2 8.2 12.2

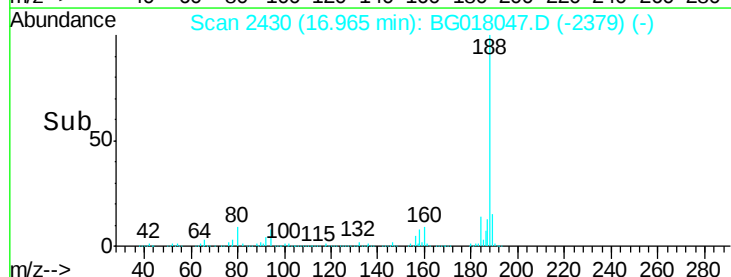
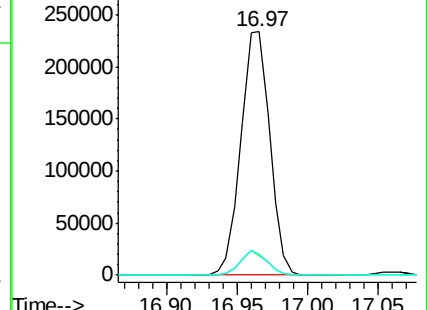
80 8.8 8.2 12.4

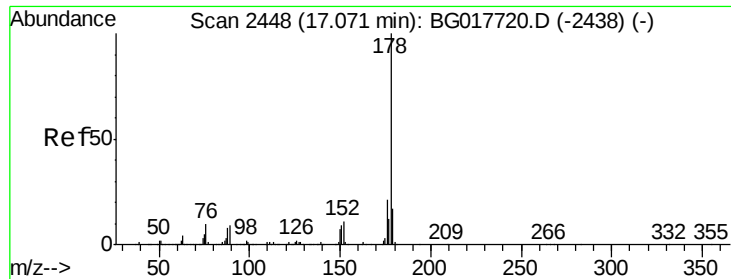


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#70

Phenanthrene

Concen: 3.45 ng

RT: 17.01 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

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ClientSampleId :

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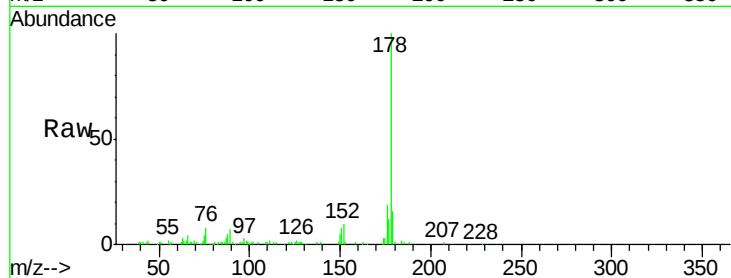
Tgt Ion:178 Resp: 59417

Ion Ratio Lower Upper

178 100

176 19.3 16.5 24.7

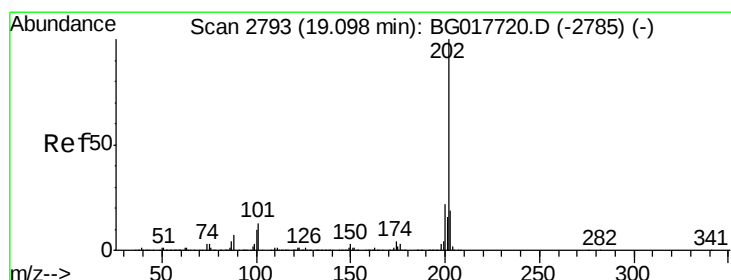
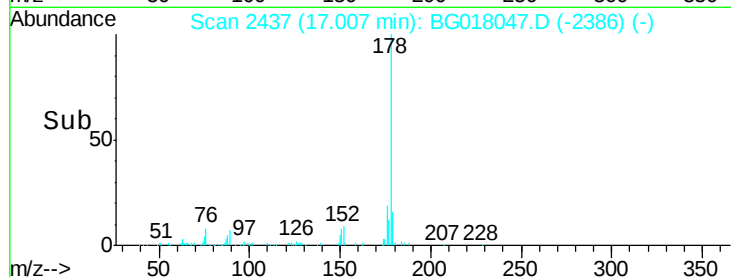
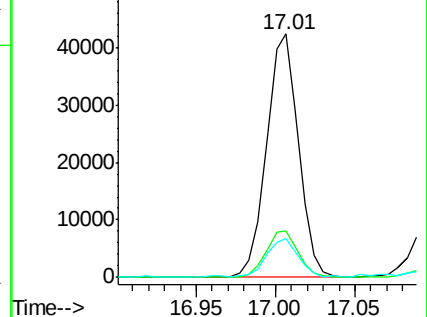
179 15.9 13.5 20.3



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: 5.14 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

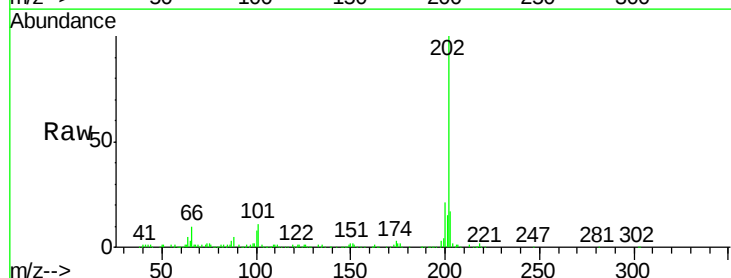
Tgt Ion:202 Resp: 97047

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.3

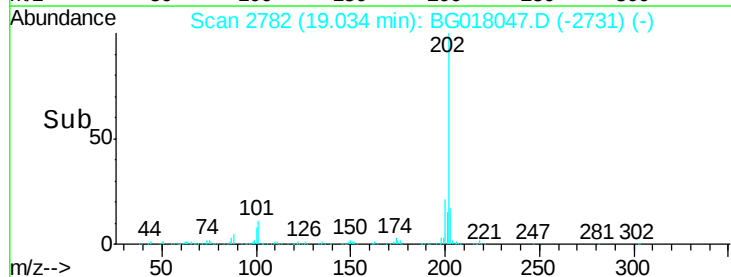
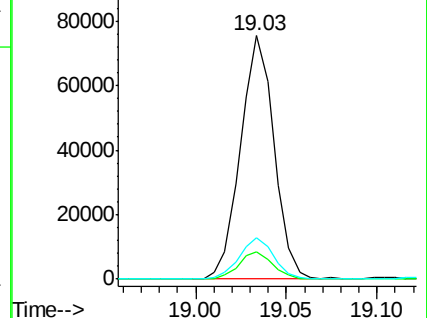
203 17.2 0.0 39.5

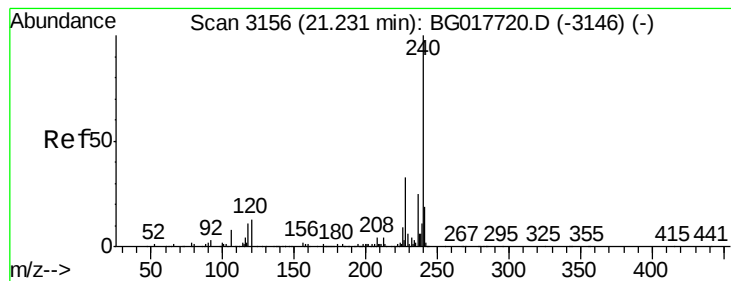


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.17 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

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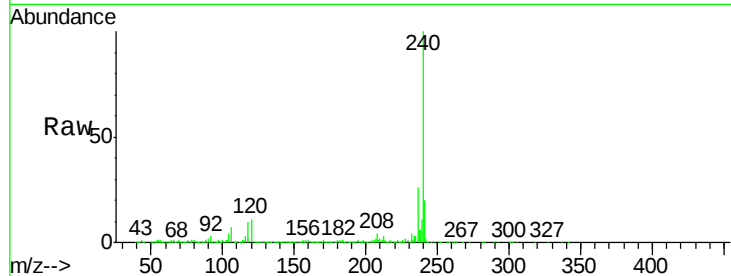
Tgt Ion:240 Resp: 361497

Ion Ratio Lower Upper

240 100

120 10.9 10.8 16.2

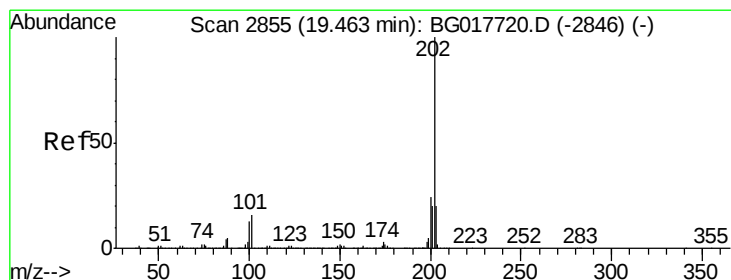
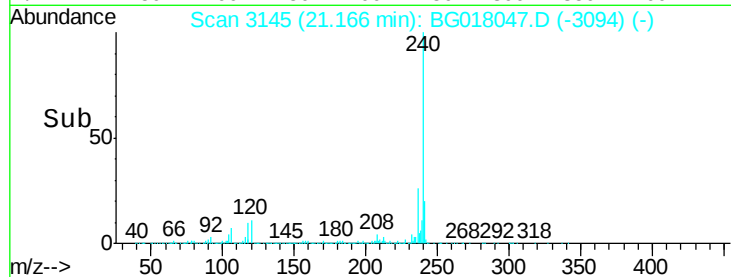
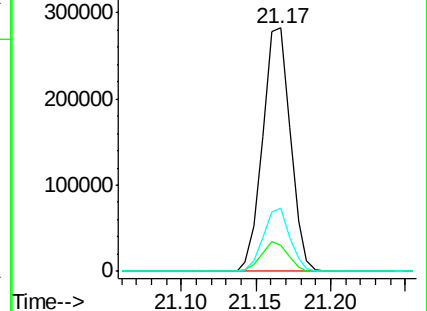
236 26.0 20.0 30.0



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



#77

Pyrene

Concen: 4.49 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

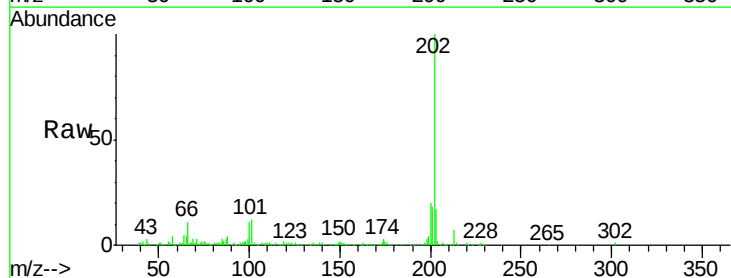
Tgt Ion:202 Resp: 90540

Ion Ratio Lower Upper

202 100

200 19.8 18.8 28.2

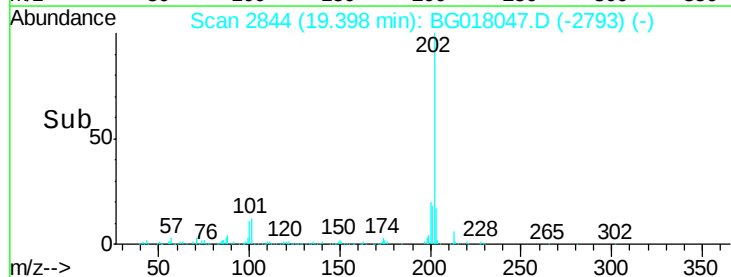
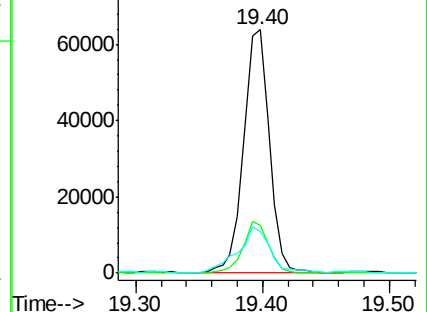
203 17.1 15.9 23.9

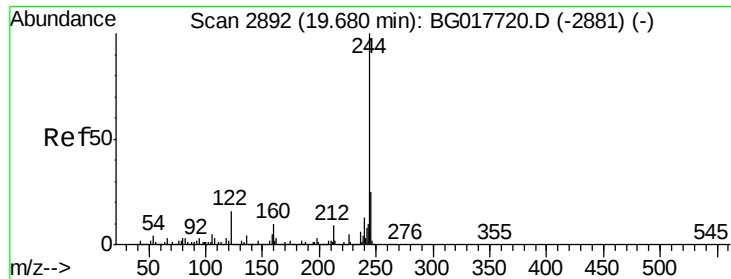


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.99 ng

RT: 19.62 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

BNA_G

ClientSampleId :

SB-10-3.0-3.5

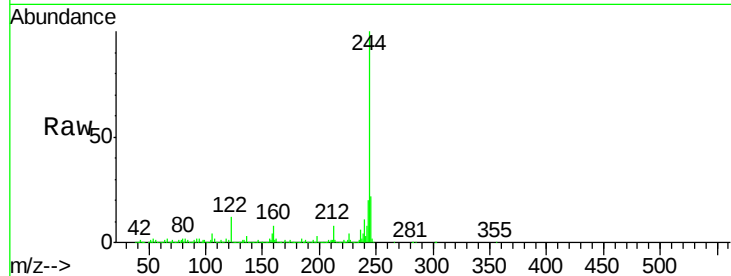
Tgt Ion:244 Resp: 1162357

Ion Ratio Lower Upper

244 100

212 7.6 7.2 10.8

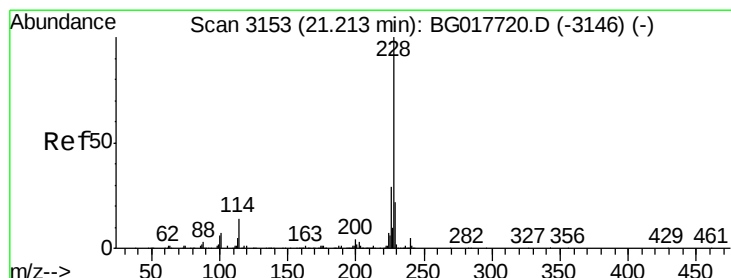
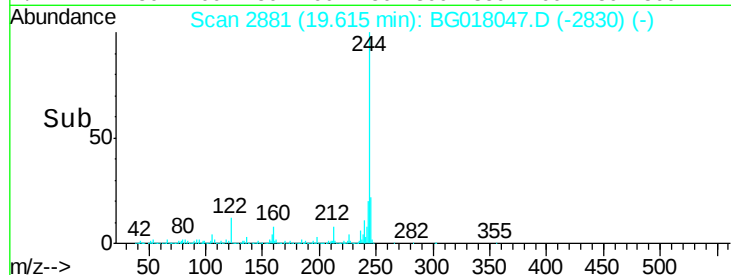
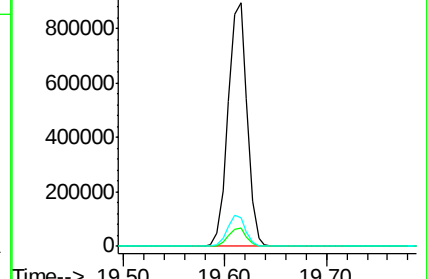
122 11.8 12.8 19.2#



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



#80

Benzo(a)anthracene

Concen: 2.70 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

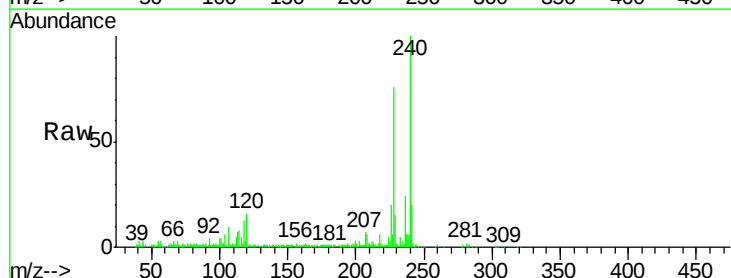
Tgt Ion:228 Resp: 51646

Ion Ratio Lower Upper

228 100

226 26.5 23.1 34.7

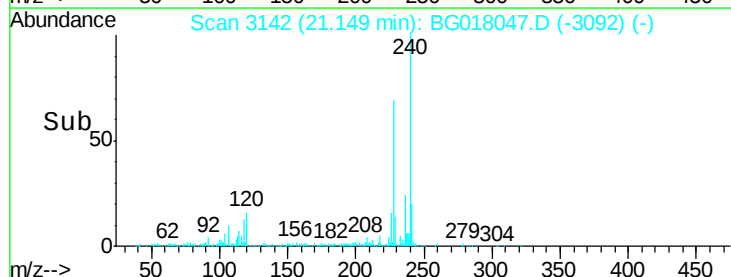
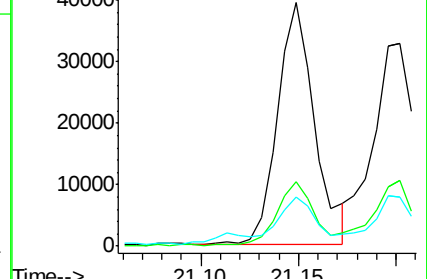
229 20.2 17.4 26.0

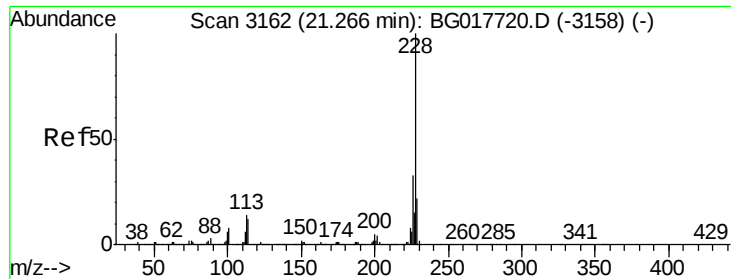


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.61 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

BNA_G

ClientSampleId :

SB-10-3.0-3.5

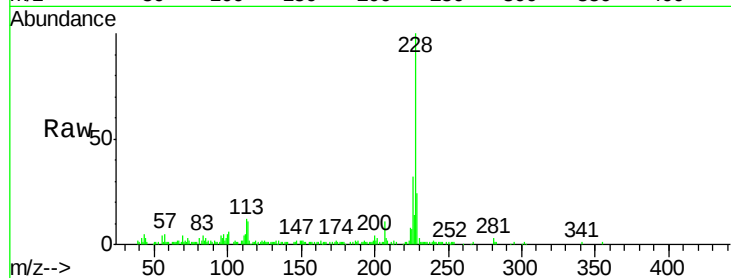
Tgt Ion:228 Resp: 47380

Ion Ratio Lower Upper

228 100

226 32.4 26.1 39.1

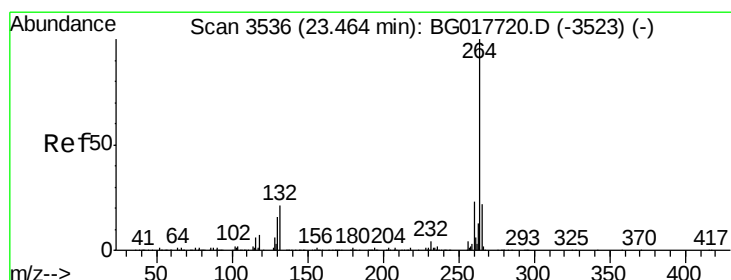
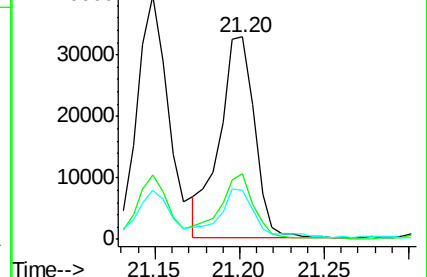
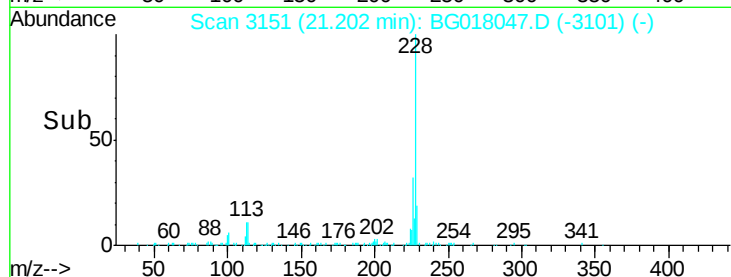
229 24.3 17.7 26.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3519

Delta R.T. -0.01 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

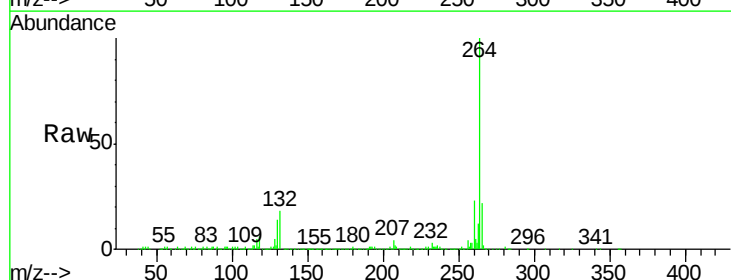
Tgt Ion:264 Resp: 363116

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

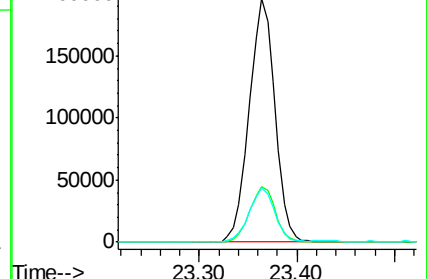
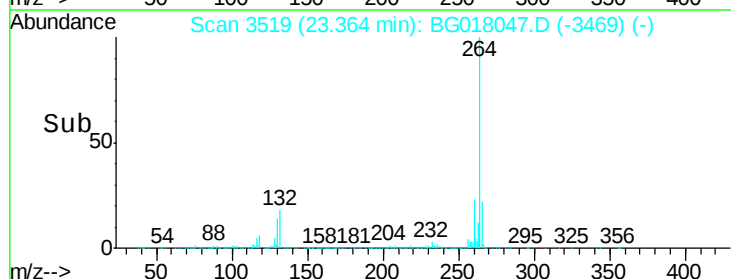
265 22.4 18.2 27.2

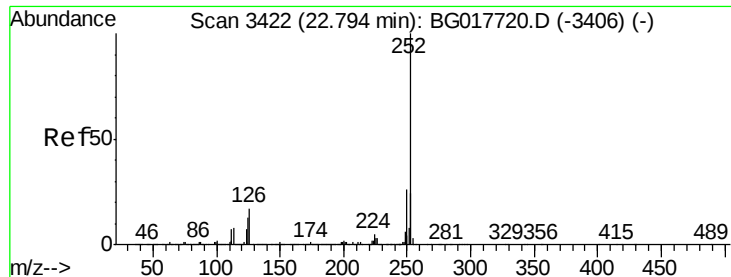


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

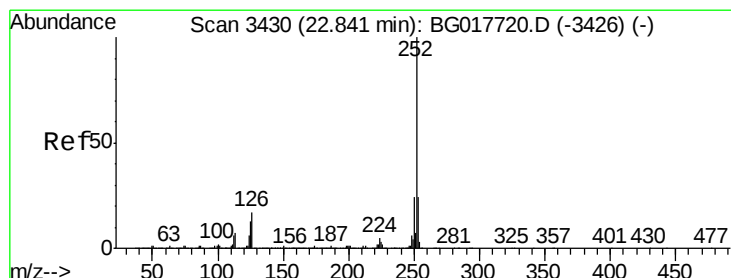
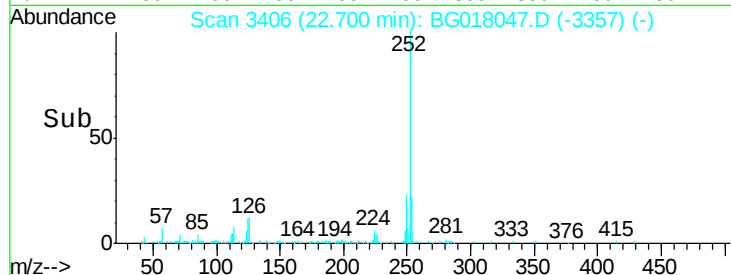
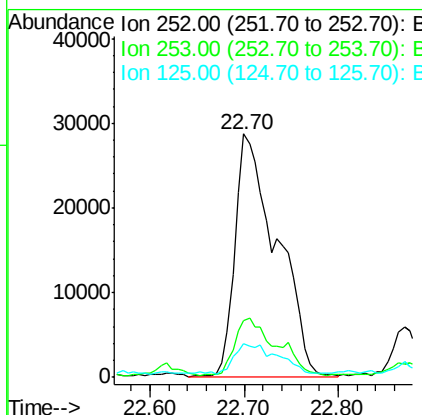
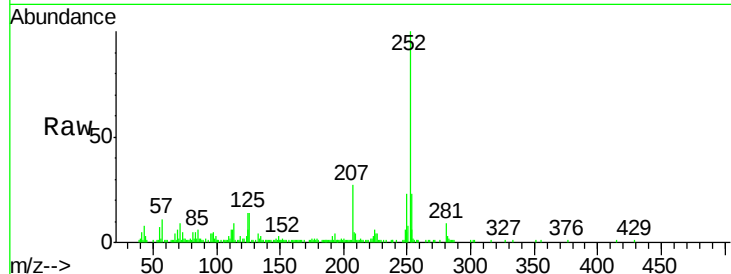




#87
Benzo(b)fluoranthene
Concen: 4.46 ng
RT: 22.70 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BG018047.D
Acq: 22 Jul 2015 7:19

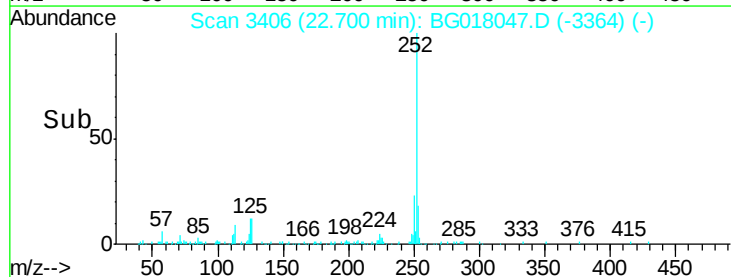
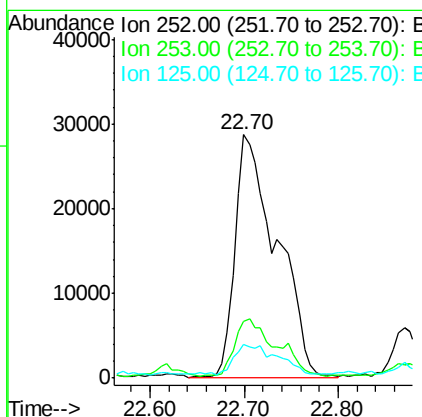
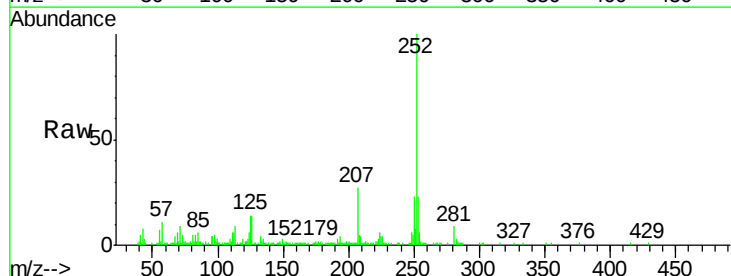
Instrument :
BNA_G
ClientSampleId :
SB-10-3.0-3.5

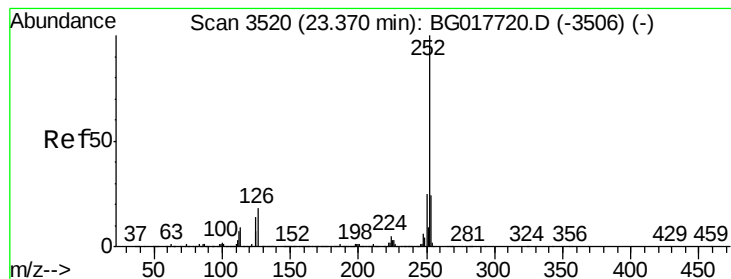
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.7	29.5
125	13.6	10.6	15.8



#88
Benzo(k)fluoranthene
Concen: 4.47 ng
RT: 22.70 min Scan# 3406
Delta R.T. -0.05 min
Lab File: BG018047.D
Acq: 22 Jul 2015 7:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.6
125	13.6	10.3	15.5





#89

Benzo(a)pyrene

Concen: 2.64 ng

RT: 23.26 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BG018047.D

Acq: 22 Jul 2015 7:19

Instrument :

BNA_G

ClientSampleId :

SB-10-3.0-3.5

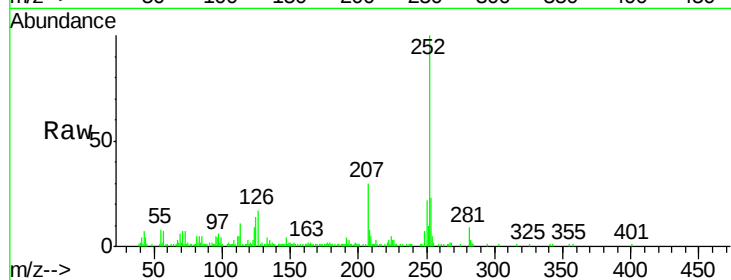
Tgt Ion: 252 Resp: 48952

Ion Ratio Lower Upper

252 100

253 23.1 19.0 28.6

125 14.0 11.1 16.7



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

