

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071715\
 Data File : BG017927.D
 Acq On : 17 Jul 2015 16:17
 Operator : TP/UM
 Sample : G3015-01 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-7-15-15

Quant Time: Jul 17 17:02:50 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 17 16:58:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	96697	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	430397	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	257441	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	541839	20.00	ng	0.00
75) Chrysene-d12	21.20	240	544898	20.00	ng	0.00
86) Perylene-d12	23.42	264	528476	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	979	0.18	ng	0.00
7) Phenol-d6	6.76	99	1038	0.14	ng	0.00
23) Nitrobenzene-d5	8.73	82	617	0.09	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
44) 2-Fluorobiphenyl	12.86	172	1657	0.11	ng	0.00
78) Terphenyl-d14	19.64	244	3490	0.16	ng	0.00

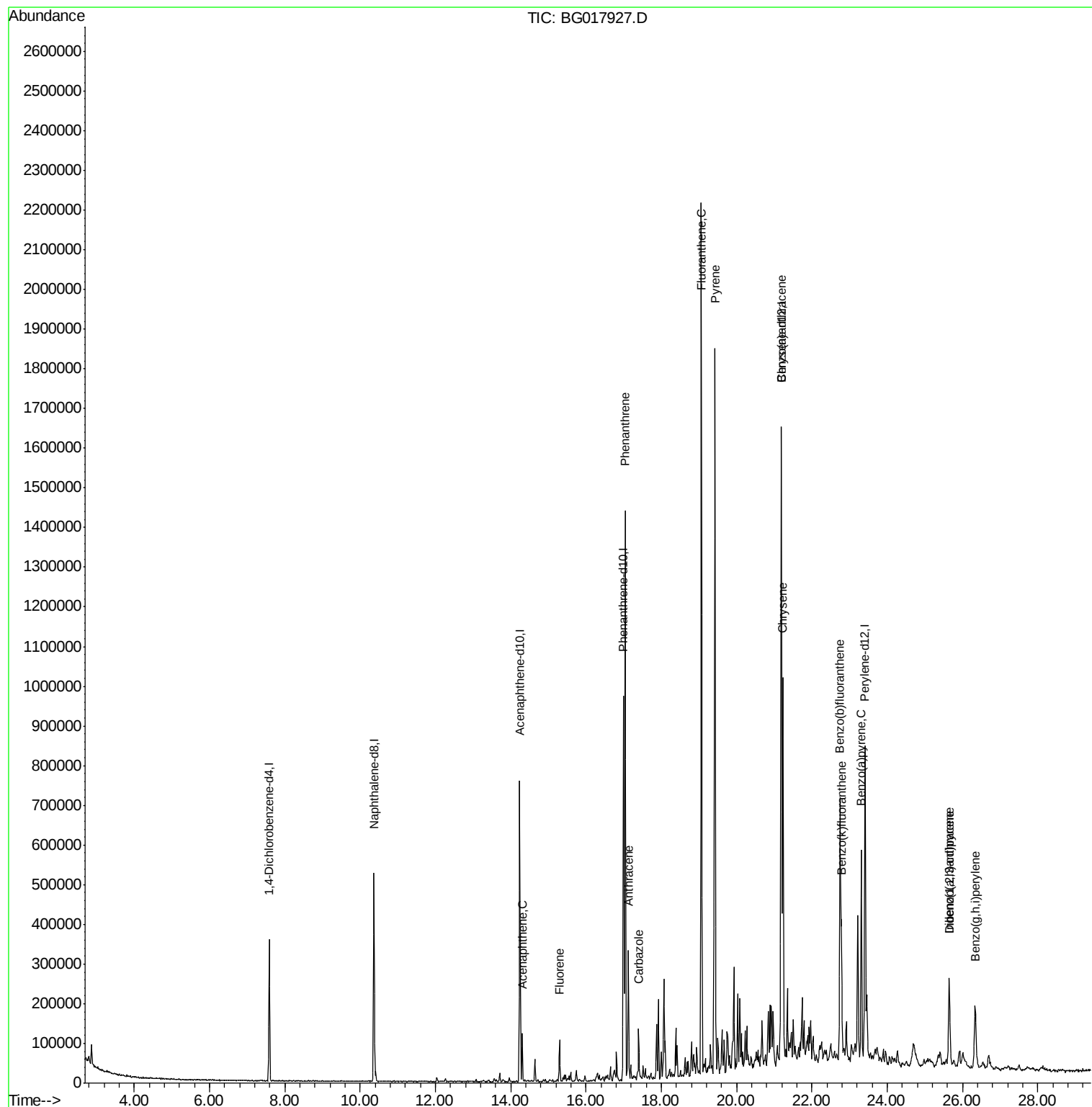
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	14.30	154	41643	2.82	ng	97
57) Fluorene	15.30	166	45649	2.50	ng	98
70) Phenanthrene	17.04	178	813965	29.12	ng	99
71) Anthracene	17.13	178	195789	7.20	ng	98
72) Carbazole	17.40	167	72029	2.80	ng	98
74) Fluoranthene	19.06	202	1190687	38.91	ng	99
77) Pyrene	19.43	202	1058907	34.84	ng	98
80) Benzo(a)anthracene	21.18	228	529657	18.40	ng	97
82) Chrysene	21.23	228	475888	17.36	ng	96
85) Indeno(1,2,3-cd)pyrene	25.65	276	185989	5.61	ng	93
87) Benzo(b)fluoranthene	22.75	252	534130m	18.47	ng	
88) Benzo(k)fluoranthene	22.79	252	188017m	6.51	ng	
89) Benzo(a)pyrene	23.31	252	367237	13.63	ng	99
90) Dibenzo(a,h)anthracene	25.65	278	57339m	2.05	ng	
91) Benzo(g,h,i)perylene	26.34	276	181287	6.73	ng	98

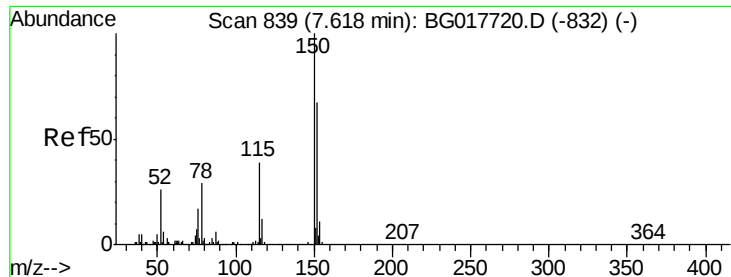
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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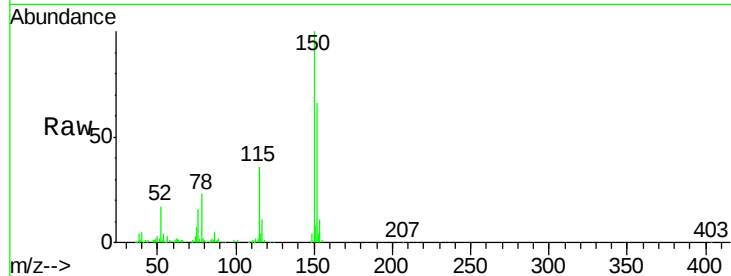


#1

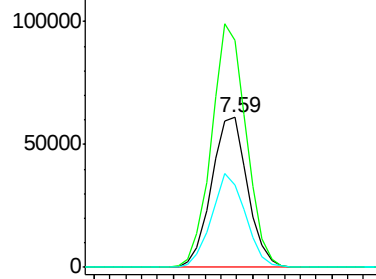
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

Instrument :
BNA_G
ClientSampleId :
STOCKPILE-7-15-15

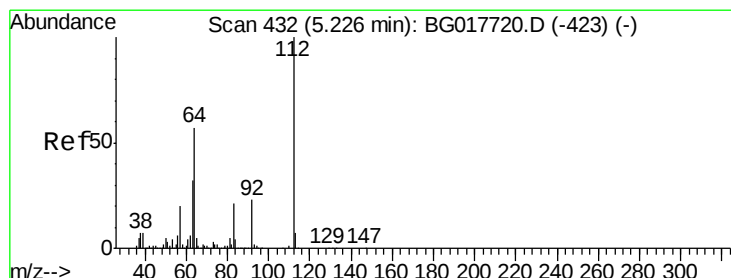
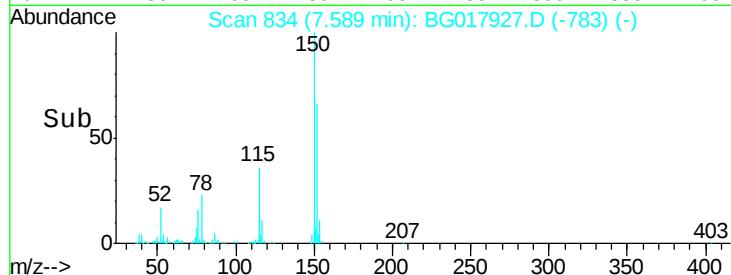
Tgt Ion:152 Resp: 96697
Ion Ratio Lower Upper
152 100
150 151.5 119.1 178.7
115 54.7 47.0 70.4



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



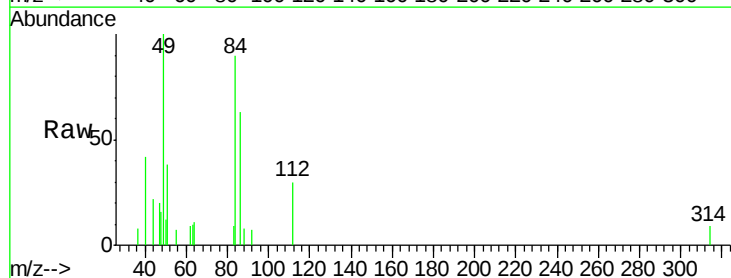
Time--> 7.50 7.55 7.60 7.65



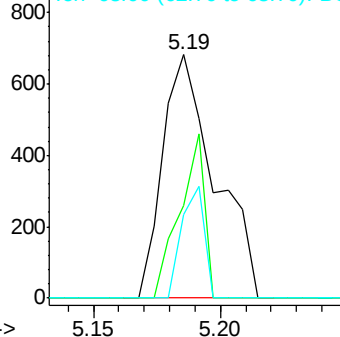
#5

2-Fluorophenol
Concen: 0.18 ng
RT: 5.19 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

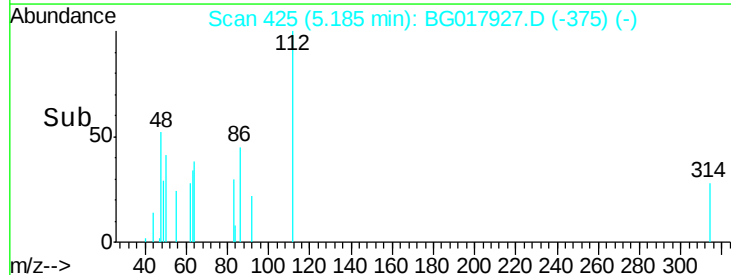
Tgt Ion:112 Resp: 979
Ion Ratio Lower Upper
112 100
64 37.8 45.4 68.0#
63 34.5 25.3 37.9

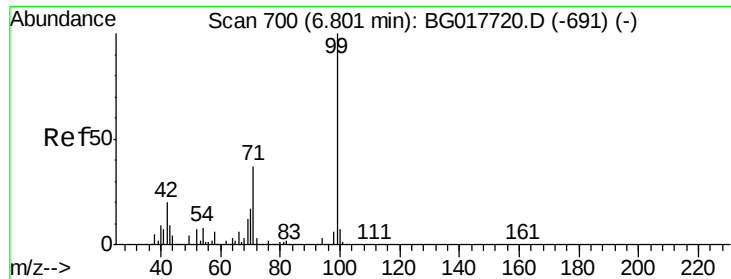


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



Time--> 5.15 5.20





#7

Phenol-d6

Concen: 0.14 ng

RT: 6.76 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

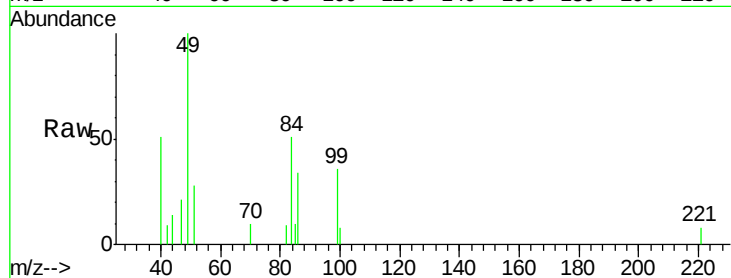
Tgt Ion: 99 Resp: 1038

Ion Ratio Lower Upper

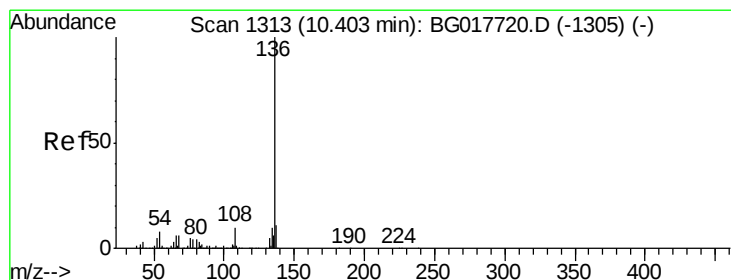
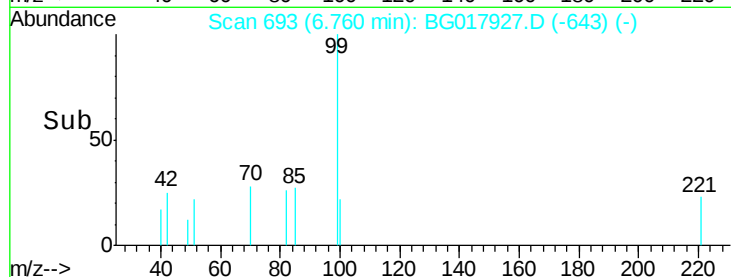
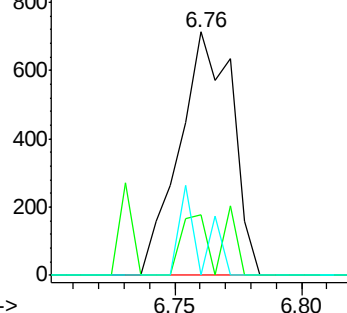
99 100

42 25.0 16.2 24.4#

71 0.0 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: 10.36 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Tgt Ion: 136 Resp: 430397

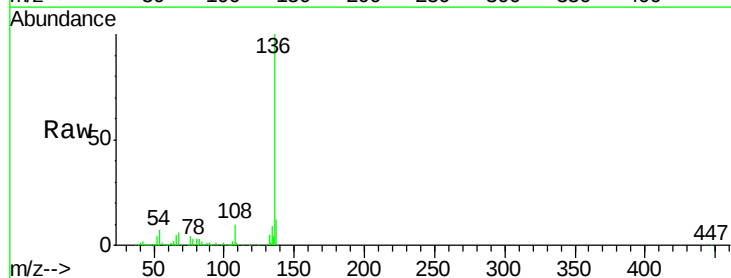
Ion Ratio Lower Upper

136 100

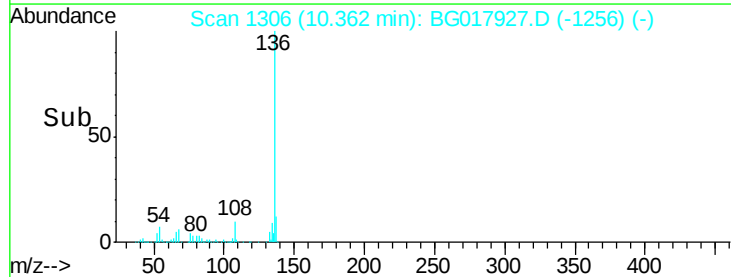
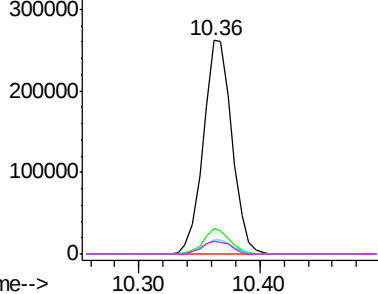
137 11.8 8.8 13.2

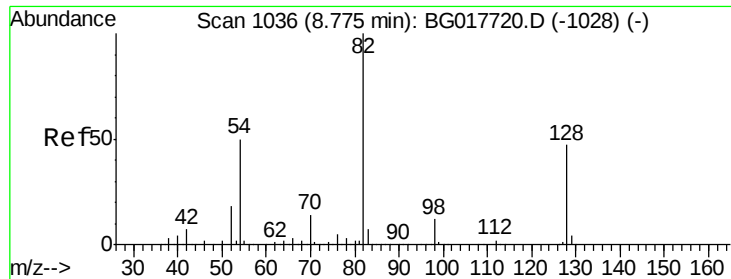
54 6.7 6.6 9.8

68 6.1 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

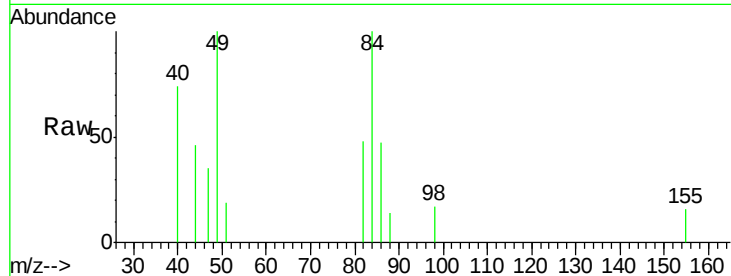




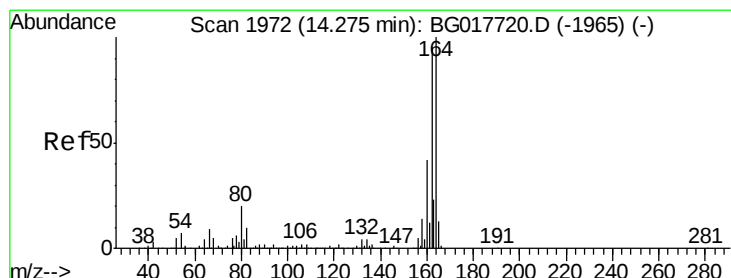
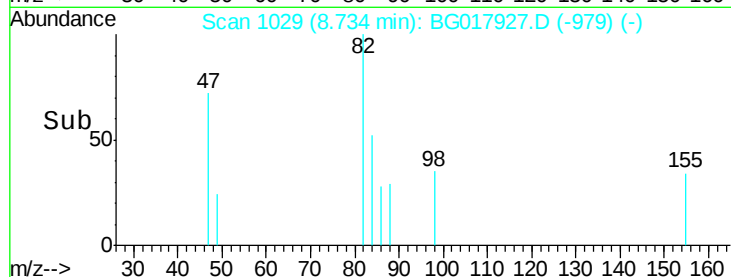
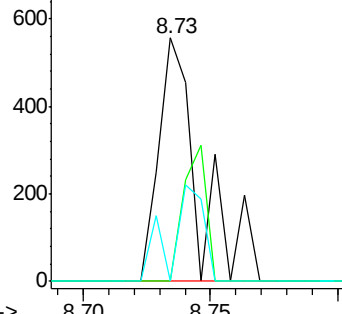
#23
Nitrobenzene-d5
Concen: 0.09 ng
RT: 8.73 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

Instrument :
BNA_G
ClientSampleId :
STOCKPILE-7-15-15

Tgt Ion: 82 Resp: 617
Ion Ratio Lower Upper
82 100
128 0.0 37.8 56.6#
54 0.0 39.9 59.9#

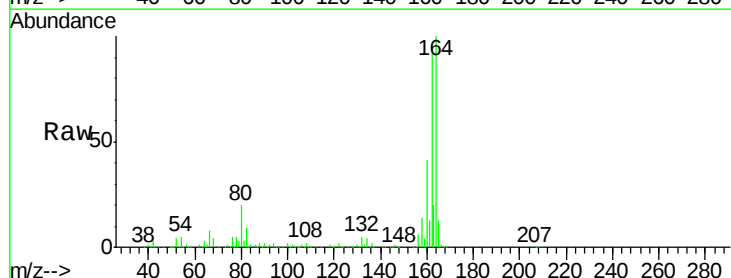


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

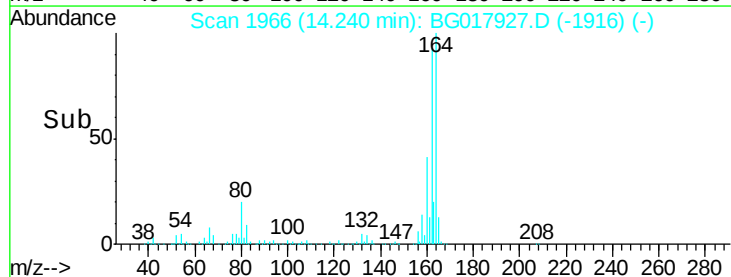
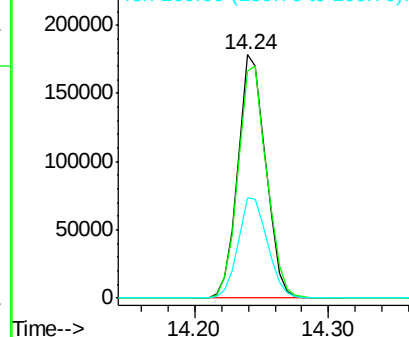


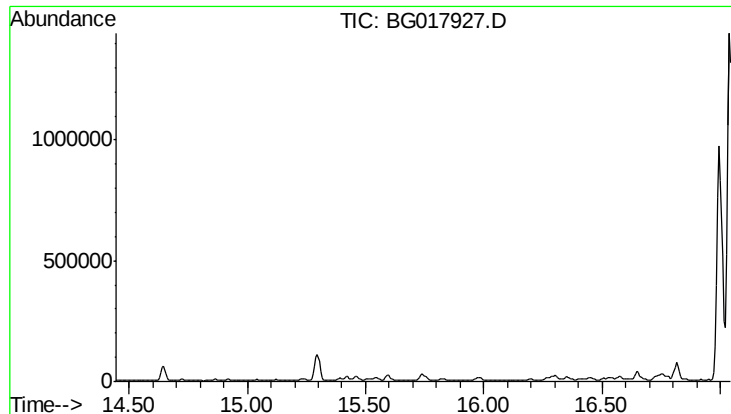
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.24 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

Tgt Ion: 164 Resp: 257441
Ion Ratio Lower Upper
164 100
162 93.4 76.3 114.5
160 41.2 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

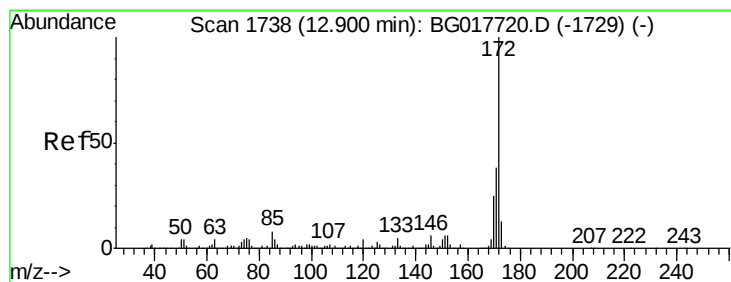
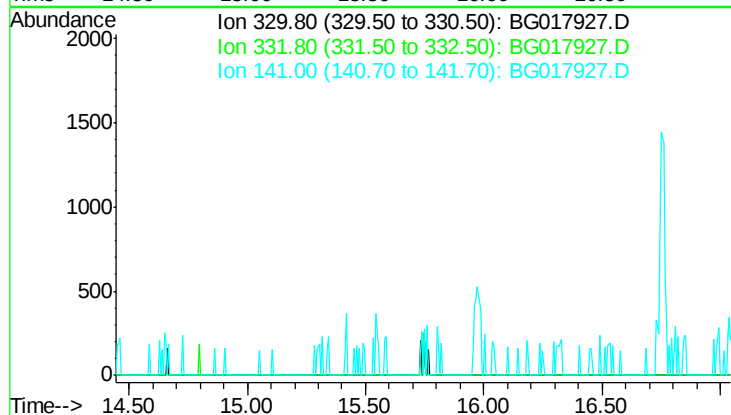




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 15.74 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

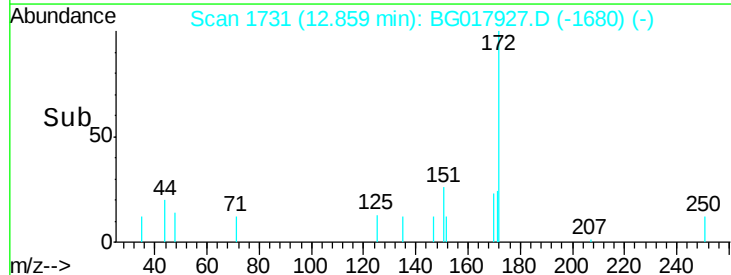
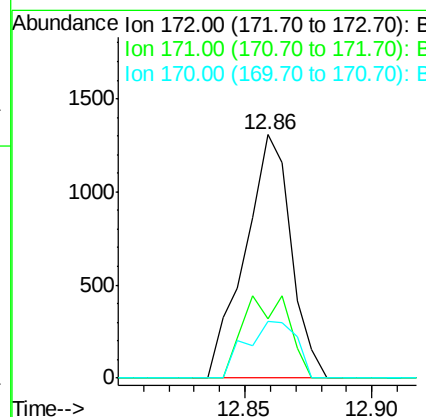
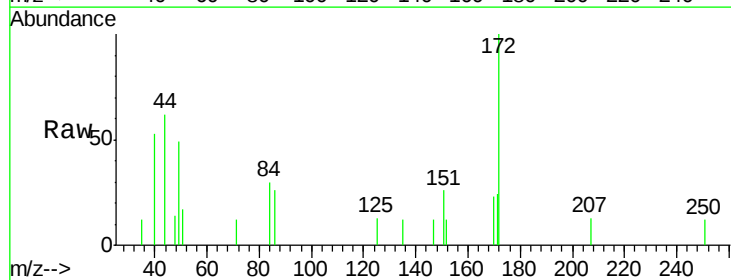
Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-7-15-15

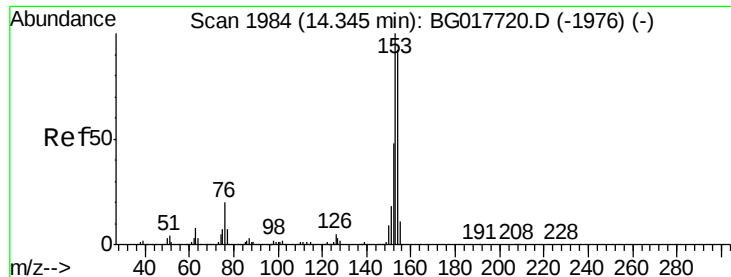
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.0
 141 47.5



#44
 2-Fluorobiphenyl
 Concen: 0.11 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

Tgt Ion: 172 Resp: 1657
 Ion Ratio Lower Upper
 172 100
 171 24.2 30.7 46.1#
 170 23.4 19.7 29.5





#51

Acenaphthene

Concen: 2.82 ng

RT: 14.30 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

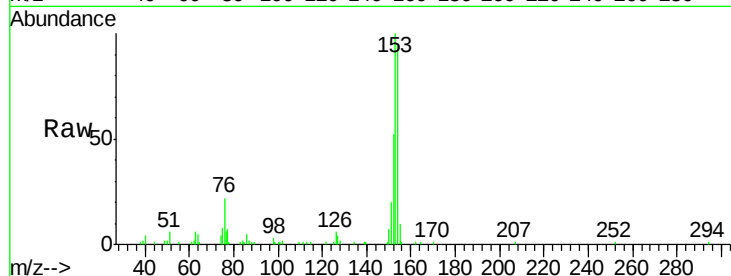
Tgt Ion:154 Resp: 41643

Ion Ratio Lower Upper

154 100

153 105.8 87.0 130.4

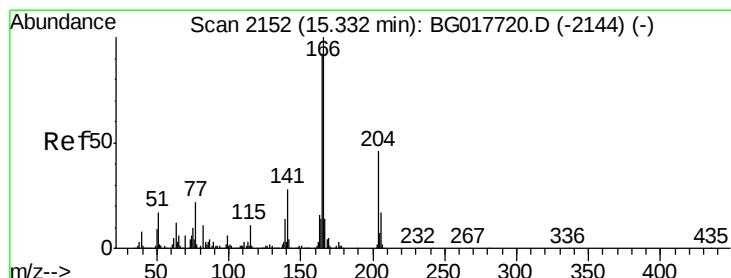
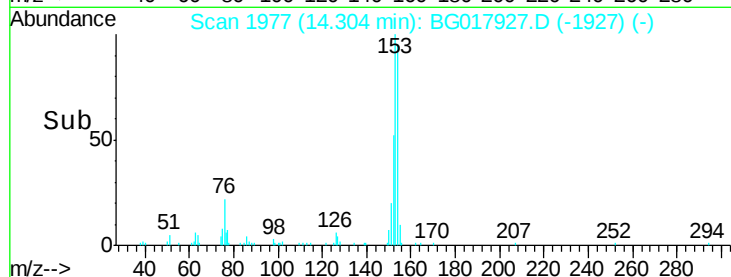
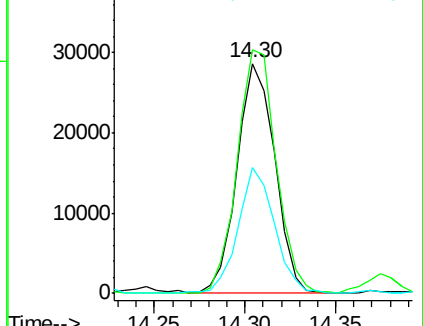
152 54.6 41.4 62.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.50 ng

RT: 15.30 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

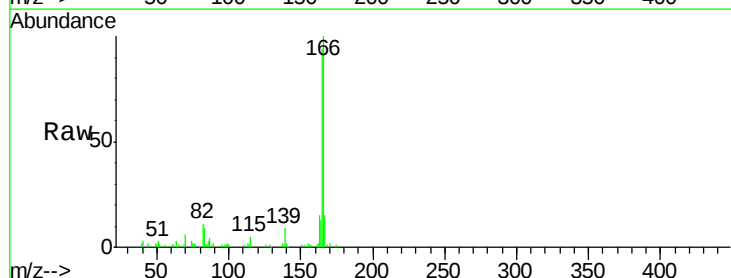
Tgt Ion:166 Resp: 45649

Ion Ratio Lower Upper

166 100

165 93.5 73.4 110.0

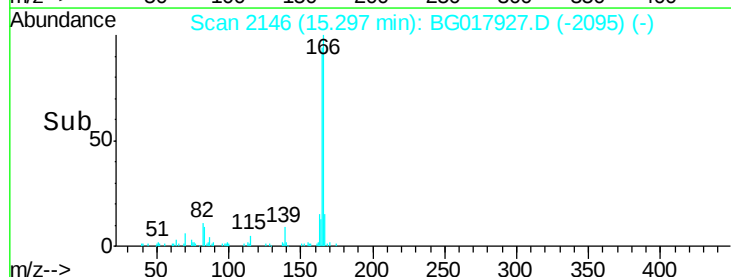
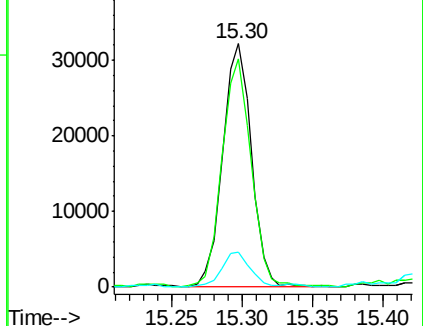
167 14.6 11.0 16.6

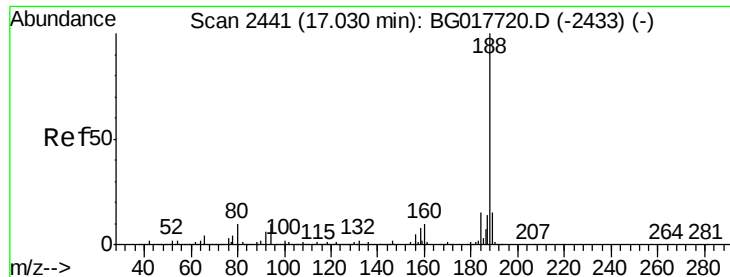


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.00 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

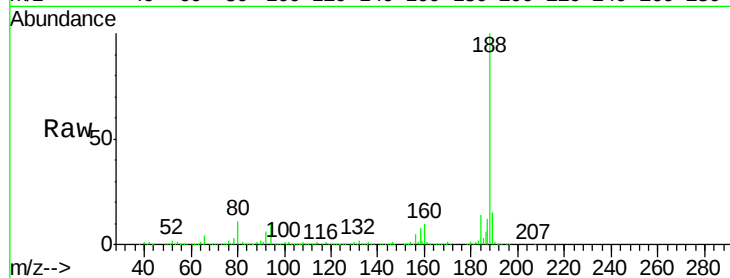
Tgt Ion:188 Resp: 541839

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

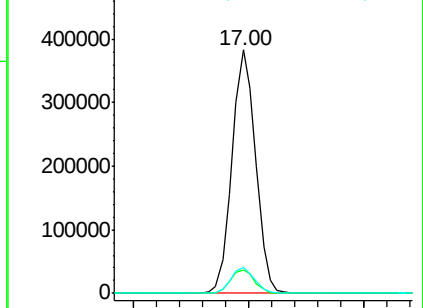
80 10.9 8.2 12.4



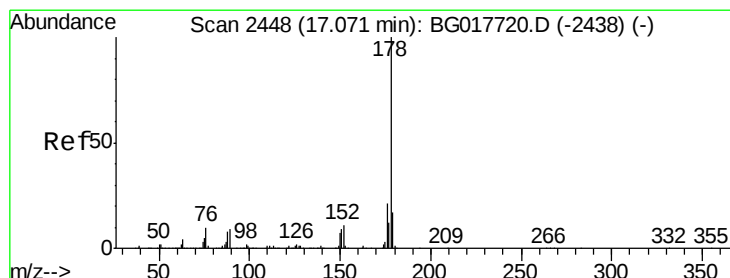
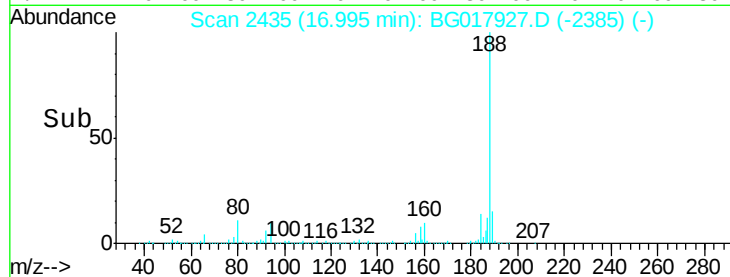
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



Time--> 16.90 17.00 17.10



#70

Phenanthrene

Concen: 29.12 ng

RT: 17.04 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

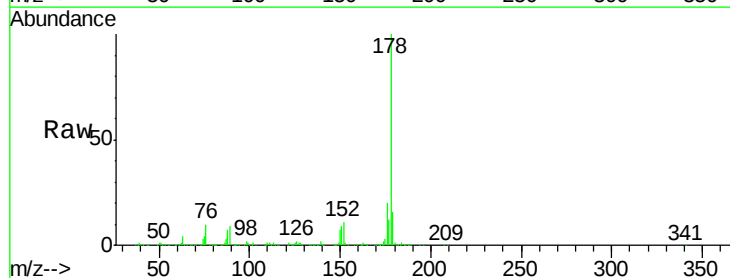
Tgt Ion:178 Resp: 813965

Ion Ratio Lower Upper

178 100

176 20.4 16.5 24.7

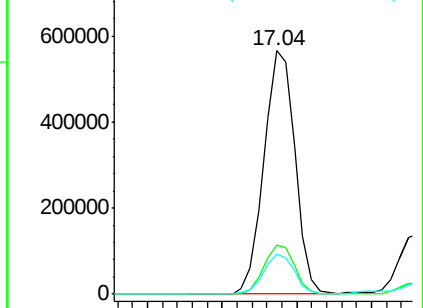
179 16.3 13.5 20.3



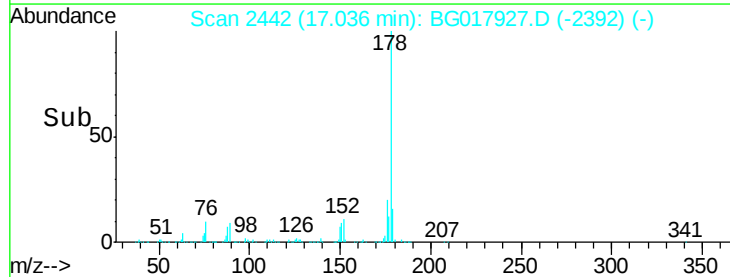
Abundance Ion 178.00 (177.70 to 178.70): E

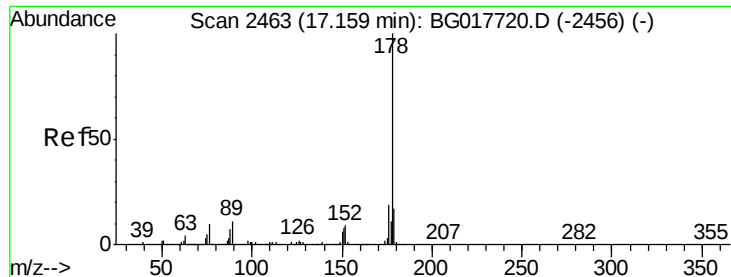
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.95 17.00 17.05 17.10

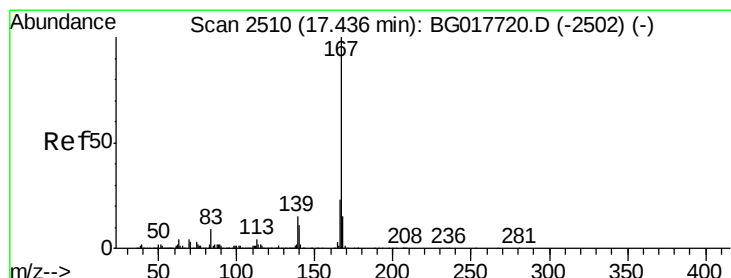
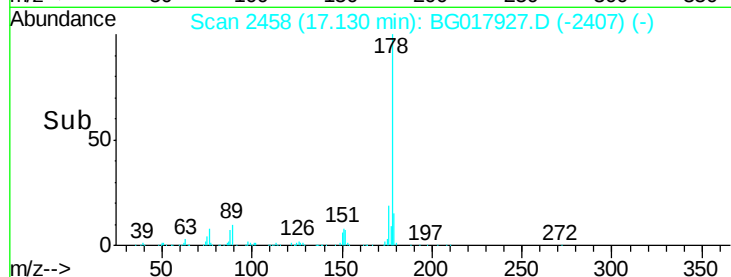
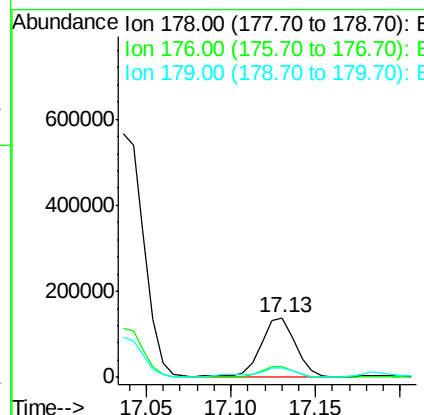
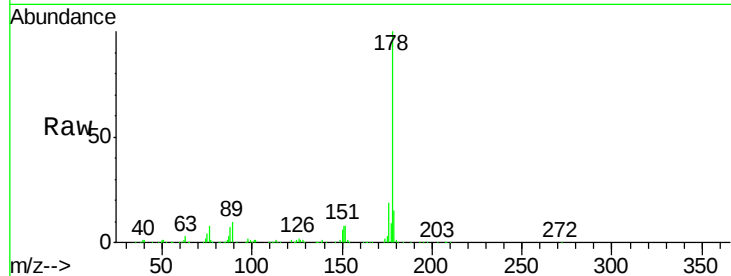




#71
 Anthracene
 Concen: 7.20 ng
 RT: 17.13 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

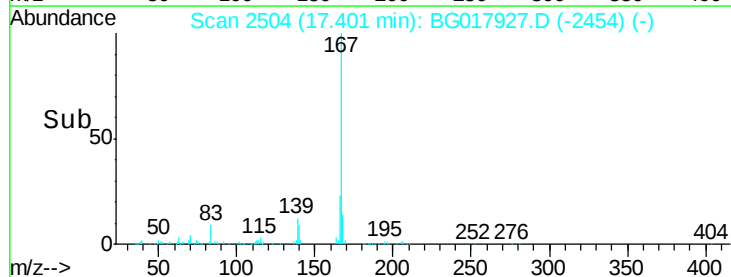
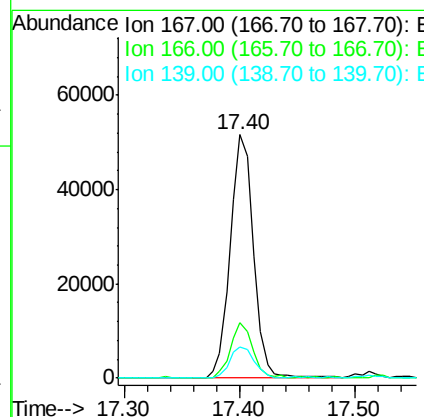
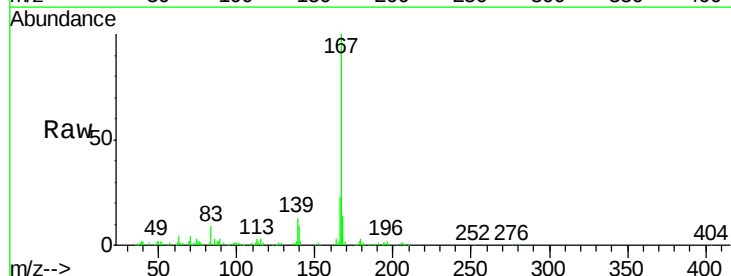
Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-7-15-15

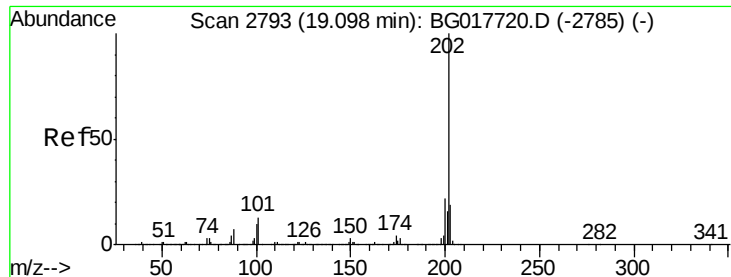
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.3	13.6	20.4



#72
 Carbazole
 Concen: 2.80 ng
 RT: 17.40 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.3	27.5
139	12.5	11.9	17.9





#74

Fluoranthene

Concen: 38.91 ng

RT: 19.06 min Scan# 2787

Delta R.T. 0.00 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

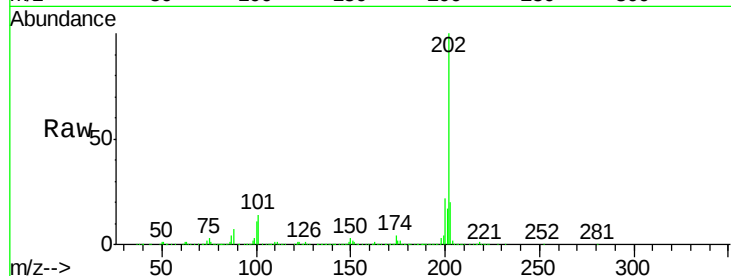
BNA_G

ClientSampleId :

STOCKPILE-7-15-15

Tgt Ion:202 Resp: 1190687

Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.3
203	19.5	0.0	39.5

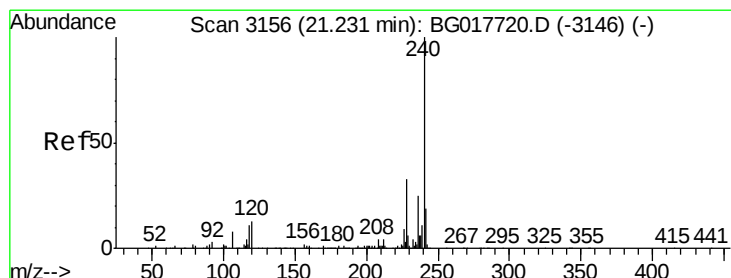
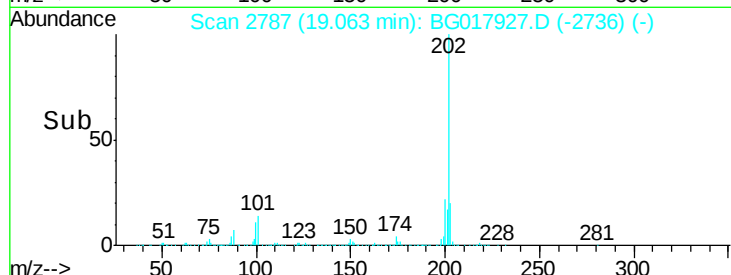
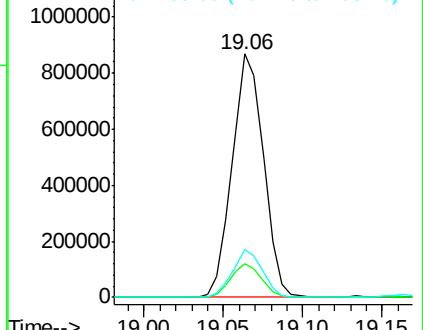


Abundance

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: 21.20 min Scan# 3150

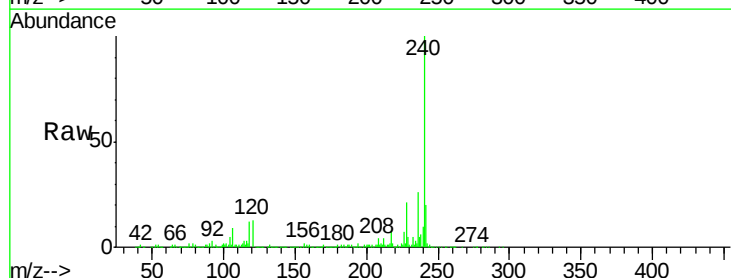
Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Tgt Ion:240 Resp: 544898

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.8	16.2
236	26.0	20.0	30.0

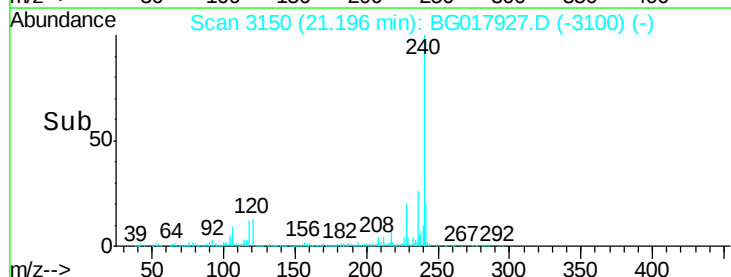
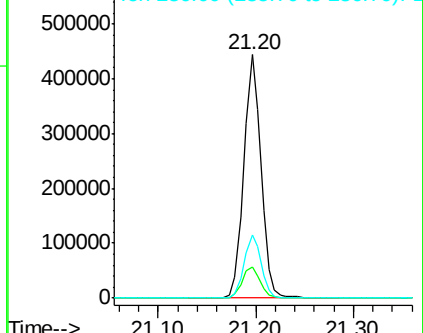


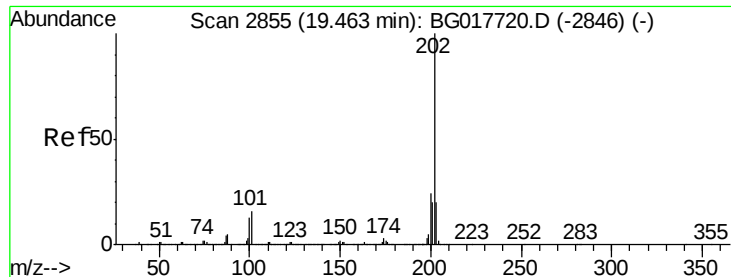
Abundance

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

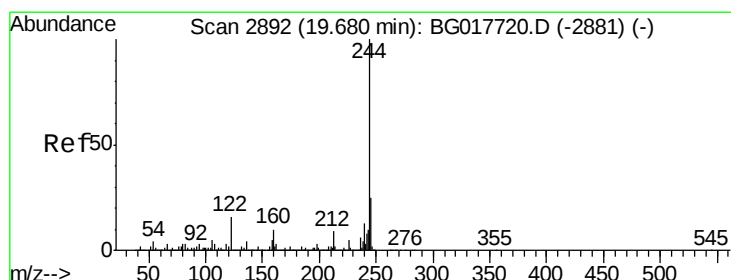
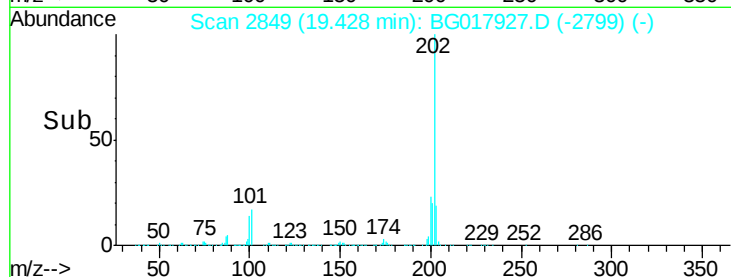
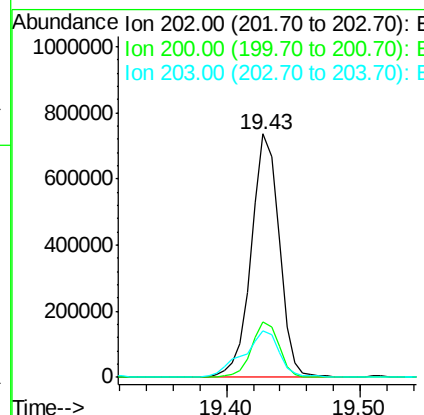
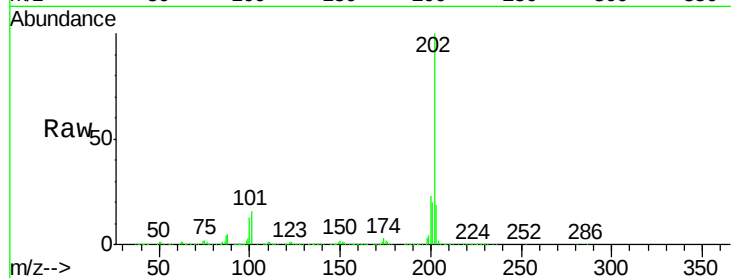




#77
 Pyrene
 Concen: 34.84 ng
 RT: 19.43 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

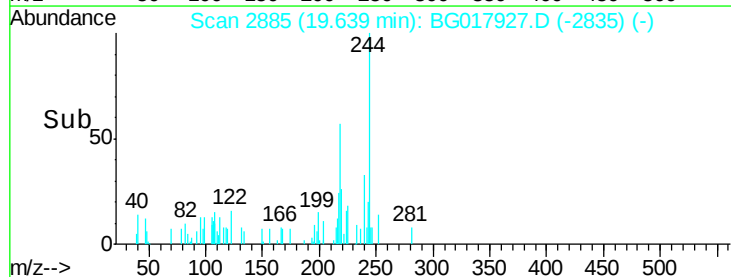
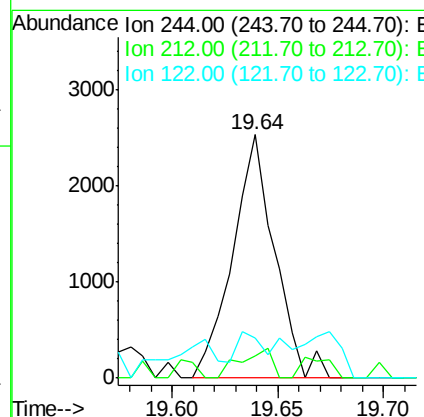
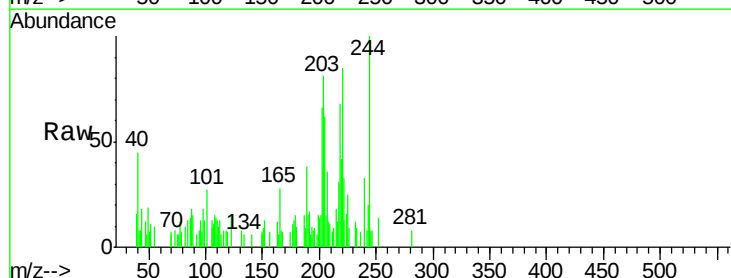
Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-7-15-15

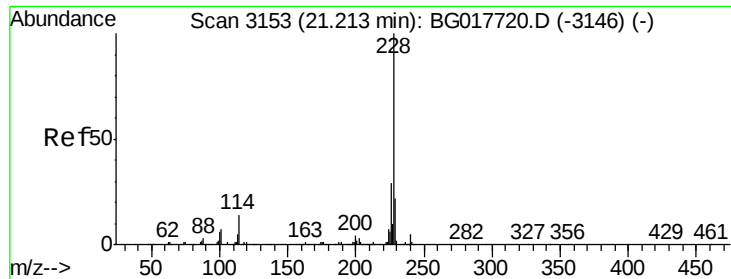
Tgt Ion:202 Resp: 1058907
 Ion Ratio Lower Upper
 202 100
 200 22.7 18.8 28.2
 203 19.0 15.9 23.9



#78
 Terphenyl-d14
 Concen: 0.16 ng
 RT: 19.64 min Scan# 2885
 Delta R.T. -0.01 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

Tgt Ion:244 Resp: 3490
 Ion Ratio Lower Upper
 244 100
 212 9.2 7.2 10.8
 122 16.2 12.8 19.2





#80

Benzo(a)anthracene

Concen: 18.40 ng

RT: 21.18 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

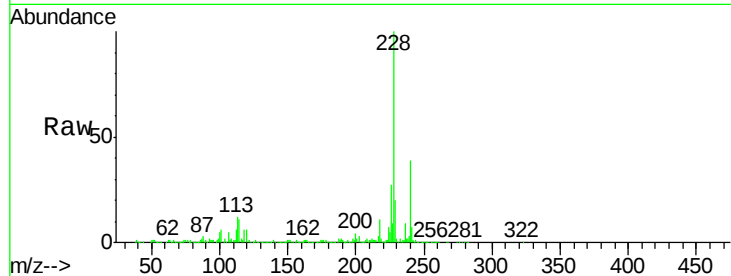
Tgt Ion:228 Resp: 529657

Ion Ratio Lower Upper

228 100

226 27.4 23.1 34.7

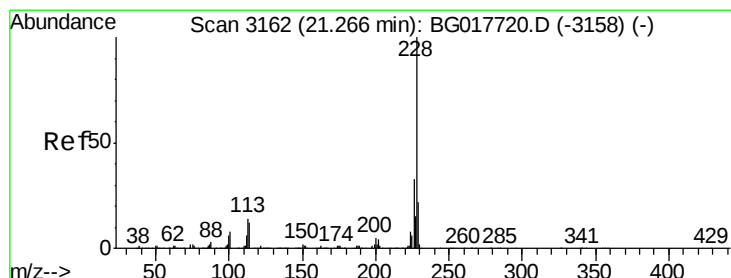
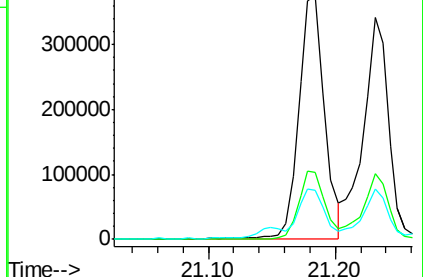
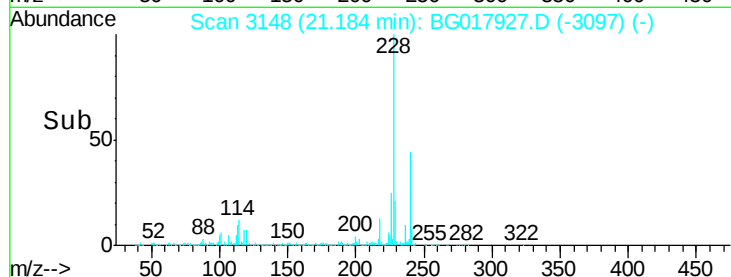
229 20.2 17.4 26.0



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: 17.36 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

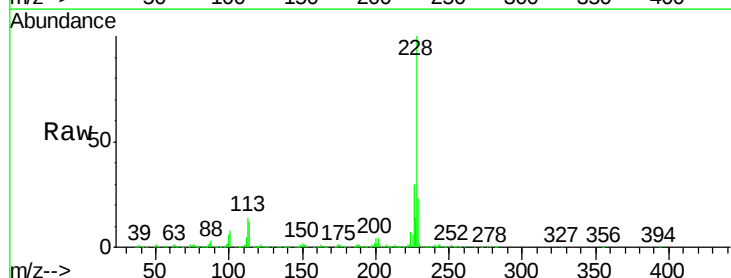
Tgt Ion:228 Resp: 475888

Ion Ratio Lower Upper

228 100

226 29.8 26.1 39.1

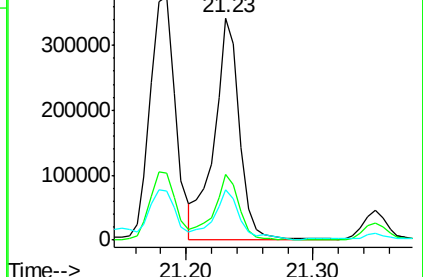
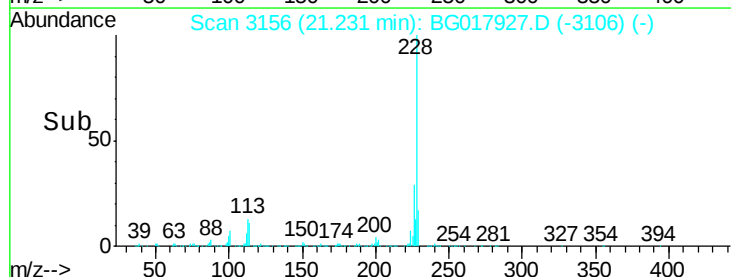
229 22.7 17.7 26.5

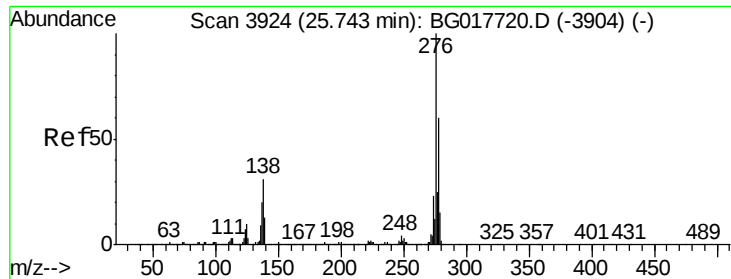


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

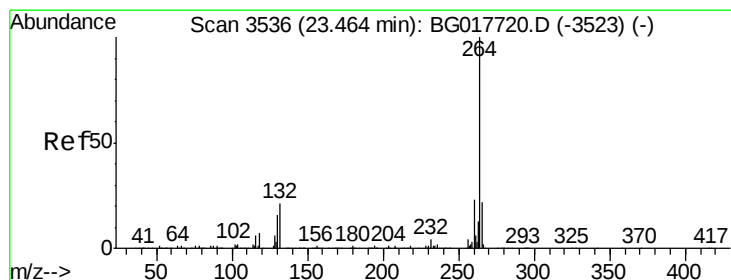
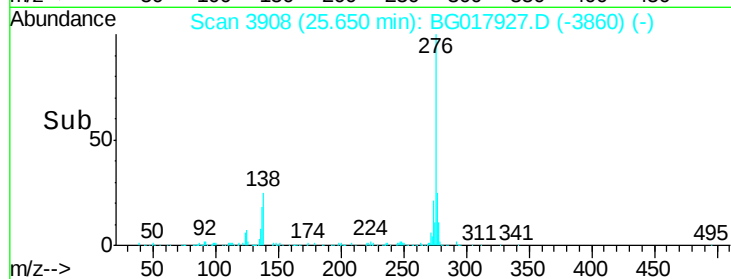
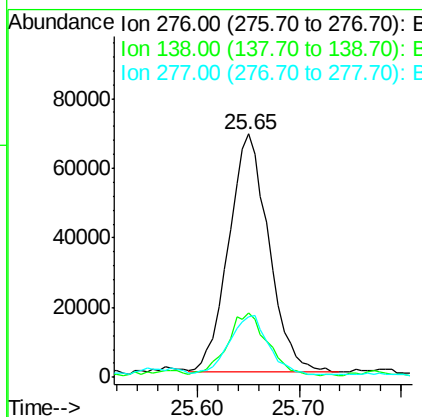
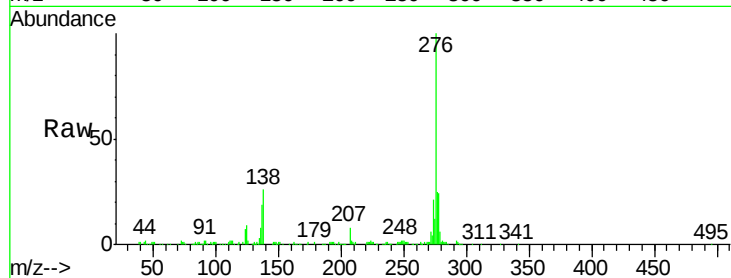




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.61 ng
 RT: 25.65 min Scan# 3908
 Delta R.T. -0.02 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

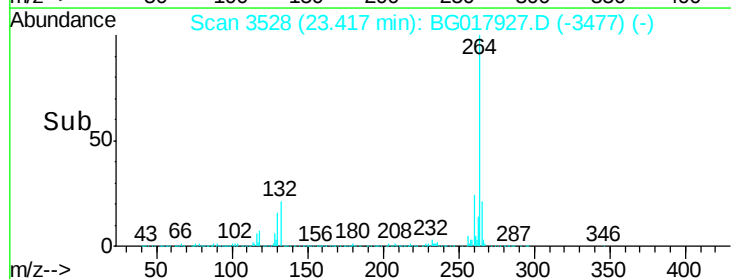
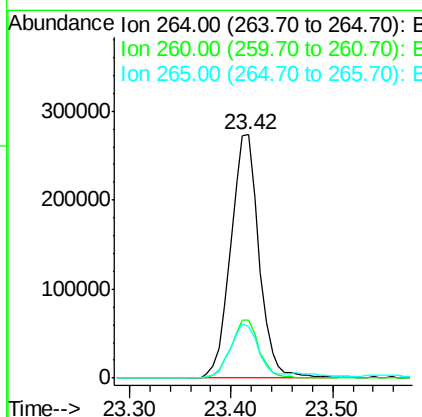
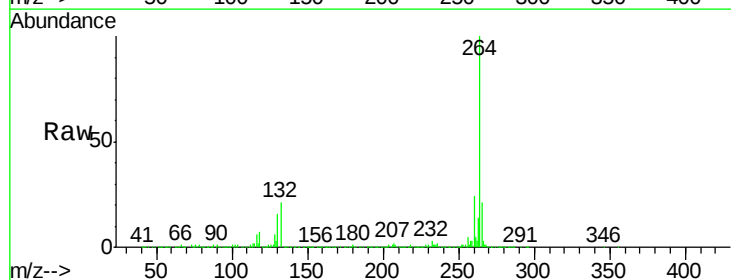
Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-7-15-15

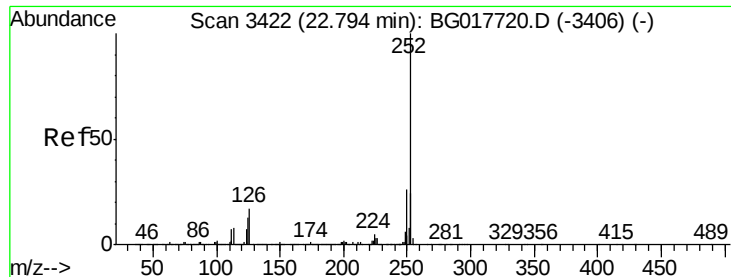
Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.4	38.0
277	24.4	21.0	31.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.42 min Scan# 3528
 Delta R.T. 0.00 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.3	18.2	27.2





#87

Benzo(b)fluoranthene

Concen: 18.47 ng m

RT: 22.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

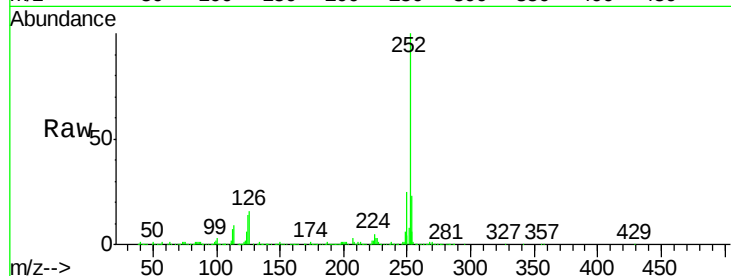
Tgt Ion:252 Resp: 534130

Ion Ratio Lower Upper

252 100

253 22.7 19.7 29.5

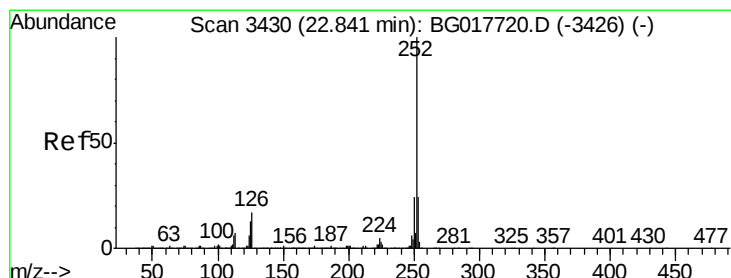
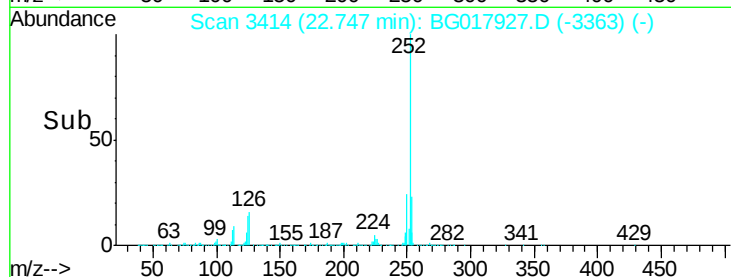
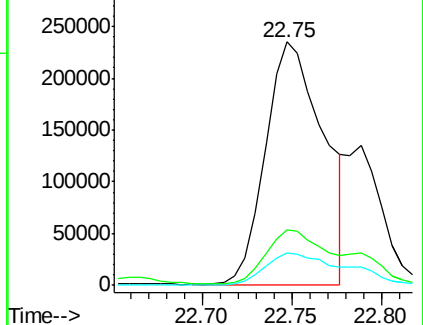
125 13.6 10.6 15.8



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



#88

Benzo(k)fluoranthene

Concen: 6.51 ng m

RT: 22.79 min Scan# 3421

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

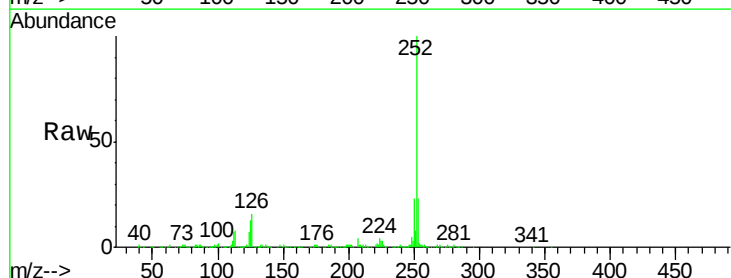
Tgt Ion:252 Resp: 188017

Ion Ratio Lower Upper

252 100

253 23.1 19.0 28.6

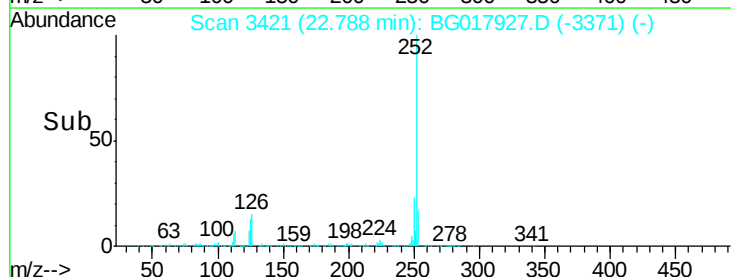
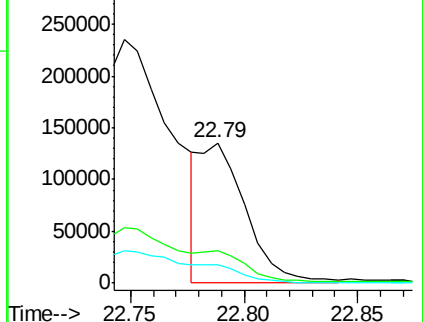
125 12.9 10.3 15.5

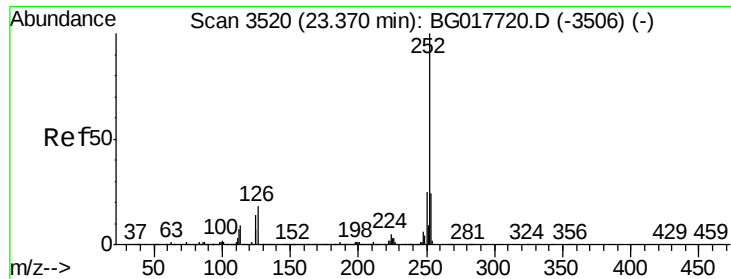


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.63 ng

RT: 23.31 min Scan# 3510

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

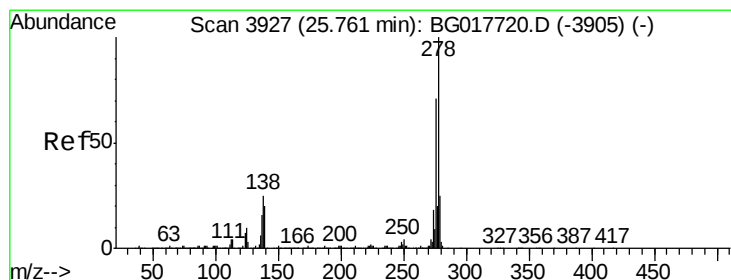
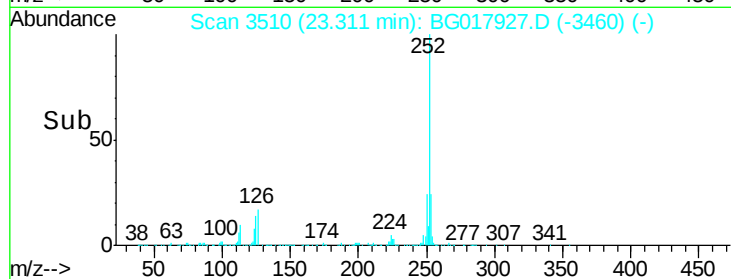
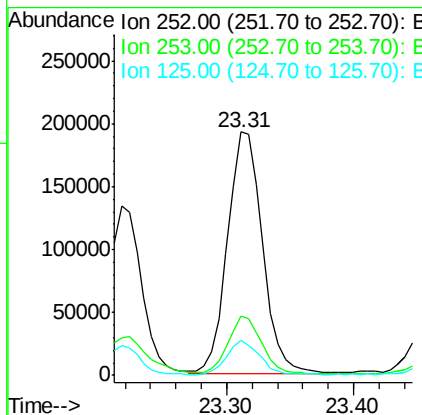
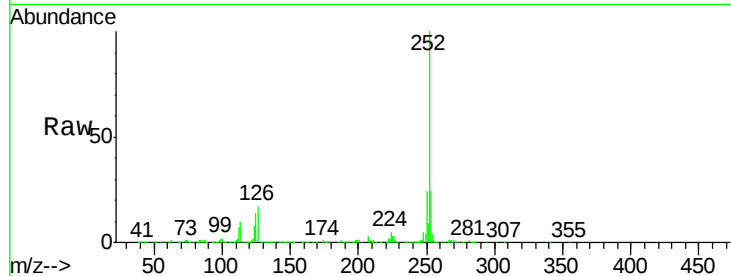
Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

Tgt Ion:	252	Resp:	367237
Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	14.5	11.1	16.7



#90

Dibenzo(a,h)anthracene

Concen: 2.05 ng m

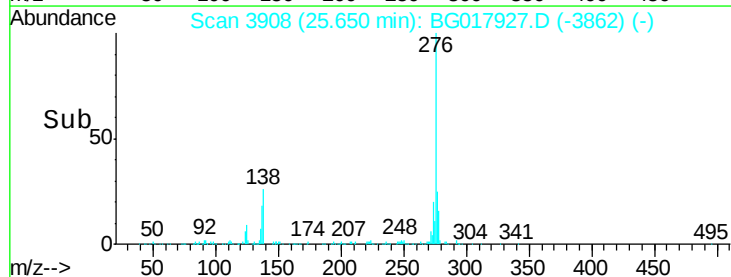
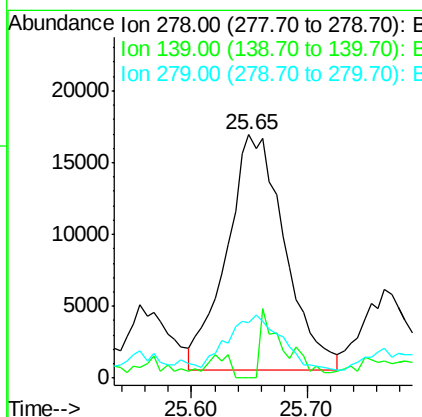
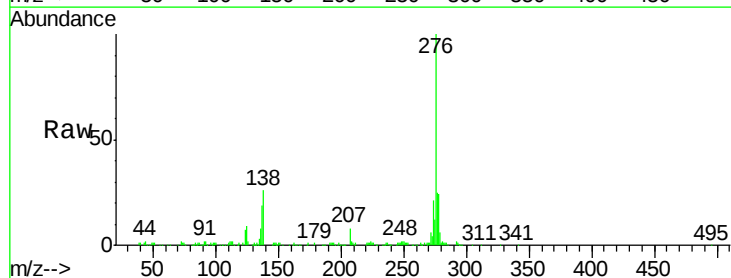
RT: 25.65 min Scan# 3908

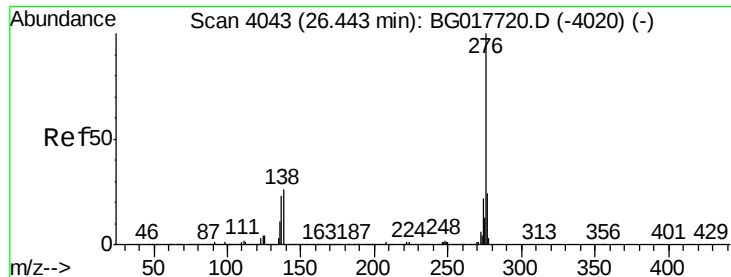
Delta R.T. -0.03 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Tgt Ion:	278	Resp:	57339
Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.2	24.2#
279	22.7	19.9	29.9





#91

Benzo(g,h,i)perylene

Concen: 6.73 ng

RT: 26.34 min Scan# 4025

Delta R.T. -0.02 min

Lab File: BG017927.D

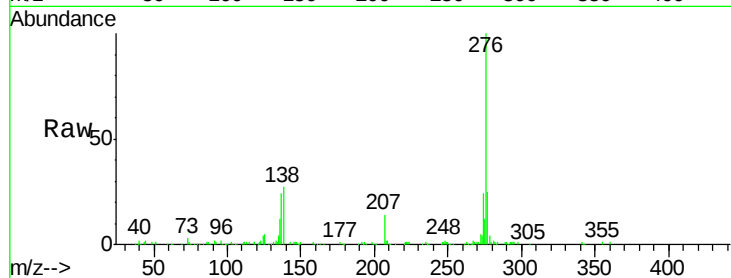
Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15



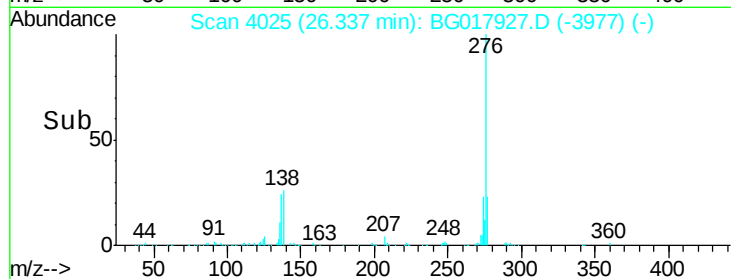
Tgt Ion: 276 Resp: 181287

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 26.9 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

