

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 16:52:57 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 16:12:50 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						
5) 2-Fluorophenol	5.19	112	979	0.09	ng	0.00
7) Phenol-d6	6.76	99	1038	0.07	ng	0.00
23) Nitrobenzene-d5	8.73	82	617	0.05	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	73	-1.00	ng	-0.01
44) 2-Fluorobiphenyl	12.86	172	1657	0.06	ng	0.00
78) Terphenyl-d14	19.64	244	3490	0.08	ng	0.00

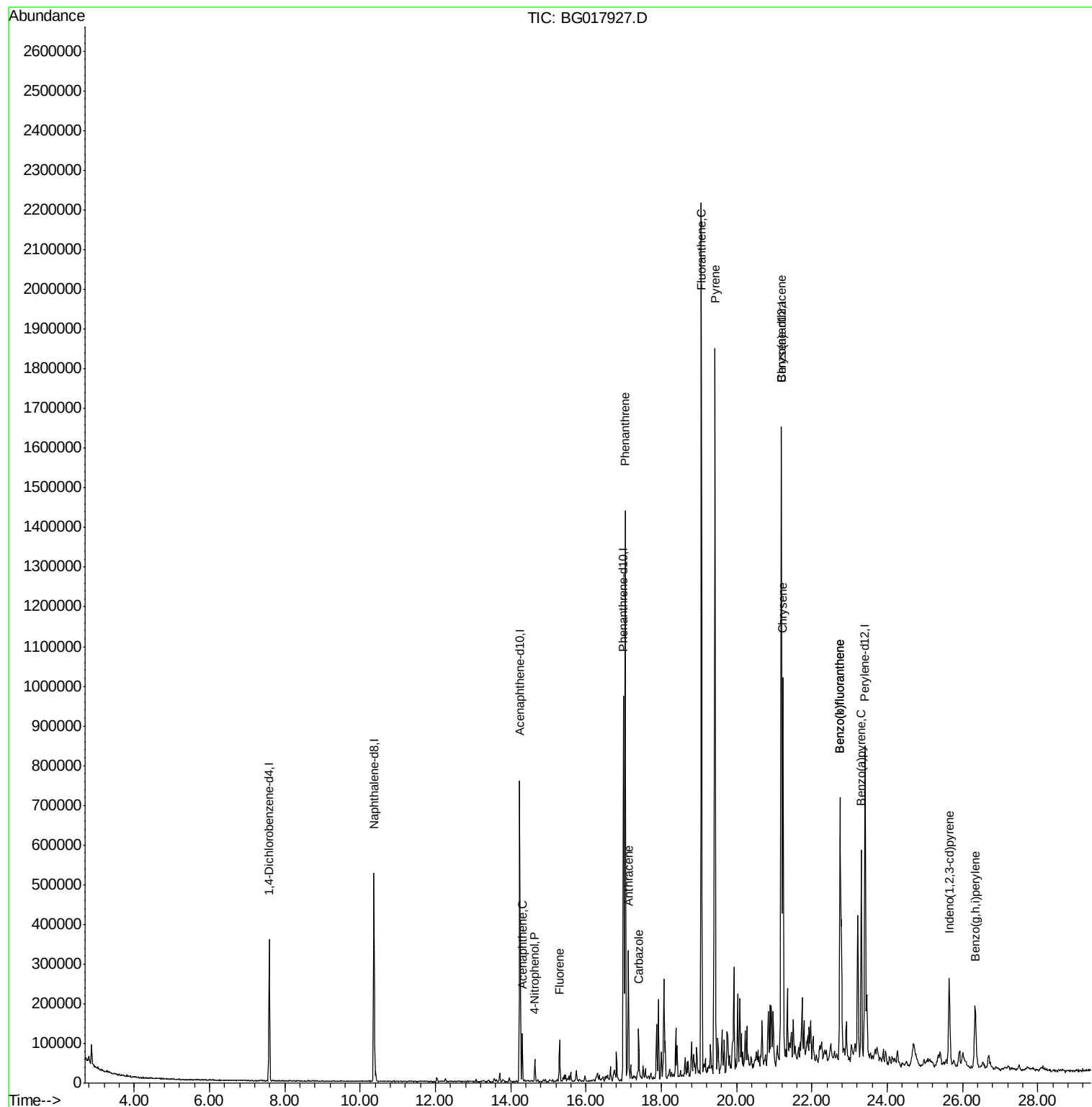
Target Compounds				Qvalue		
32) Benzoic acid	9.84	122	64	Below Cal	#	1
47) 2-Nitroaniline	13.58	65	70	Below Cal	#	3
51) Acenaphthene	14.30	154	41643	2.82	ng	97
53) 2,4-Dinitrophenol	14.49	184	60	Below Cal	#	28
55) 4-Nitrophenol	14.64	139	12103	3.36	ng	8
57) Fluorene	15.30	166	45649	2.50	ng	98
61) 4-Nitroaniline	15.30	138	563	Below Cal	#	18
64) 4,6-Dinitro-2-methylphenol	15.22	198	62	Below Cal	#	1
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	718993	24.87	ng	97
88) Benzo(k)fluoranthene	22.75	252	718993	24.90	ng	98
89) Benzo(a)pyrene	23.31	252	367237	13.63	ng	99
91) Benzo(g,h,i)perylene	26.34	276	181287	6.73	ng	98

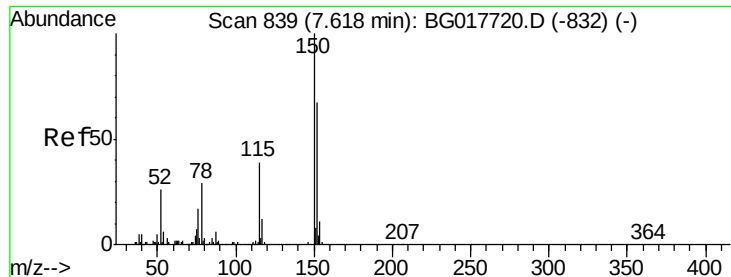
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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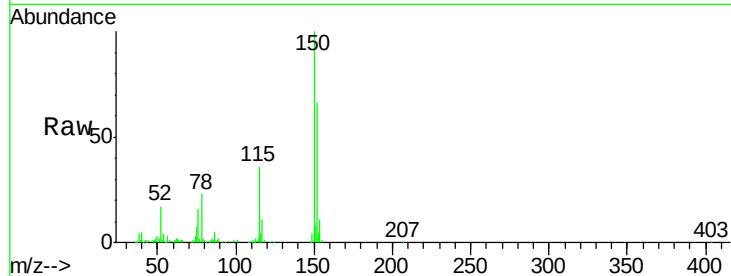


#1

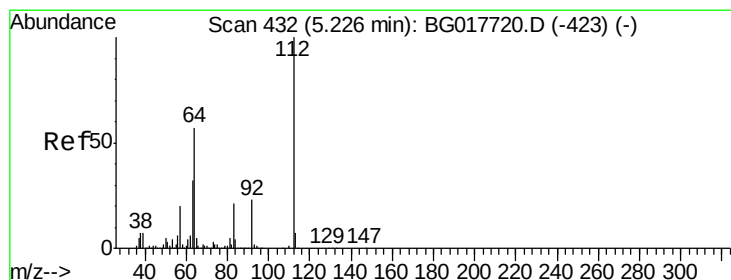
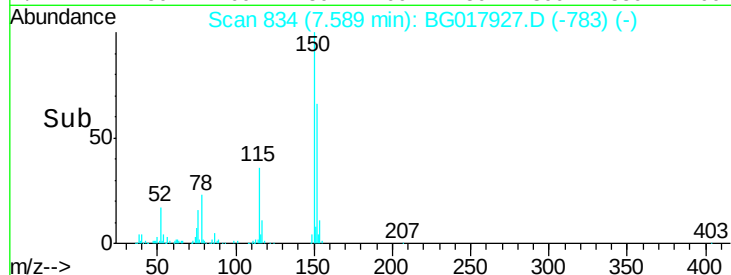
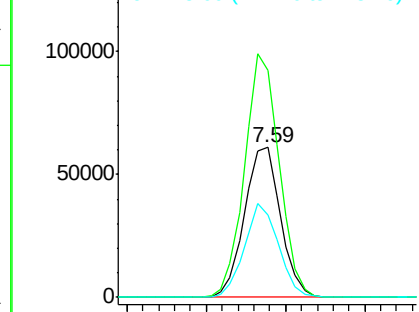
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

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



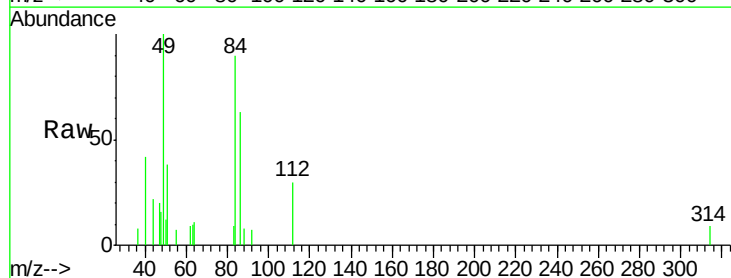
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



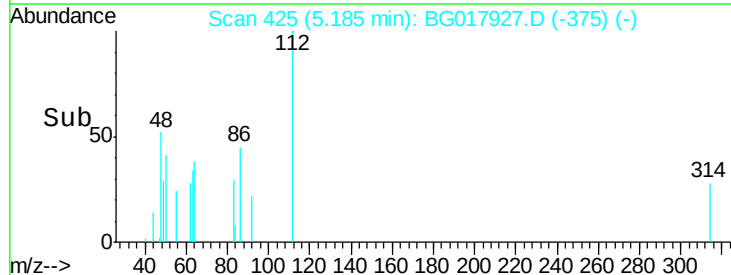
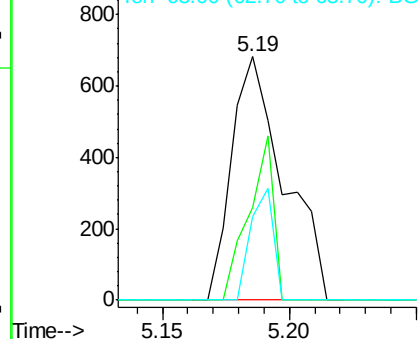
#5

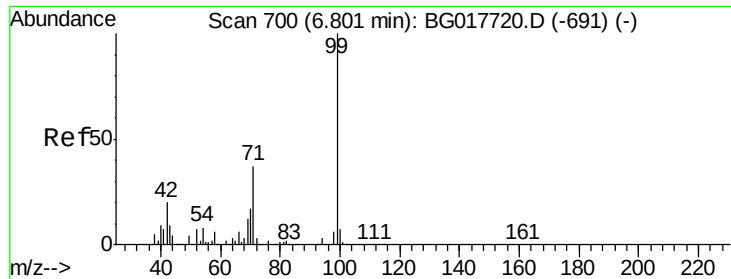
2-Fluorophenol
Concen: 0.09 ng
RT: 5.19 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

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





#7

Phenol-d6

Concen: 0.07 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

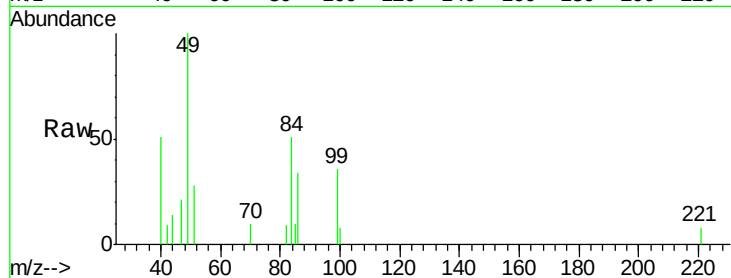
Tgt Ion: 99 Resp: 1038

Ion Ratio Lower Upper

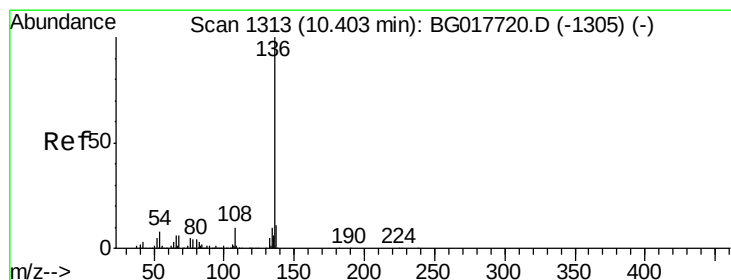
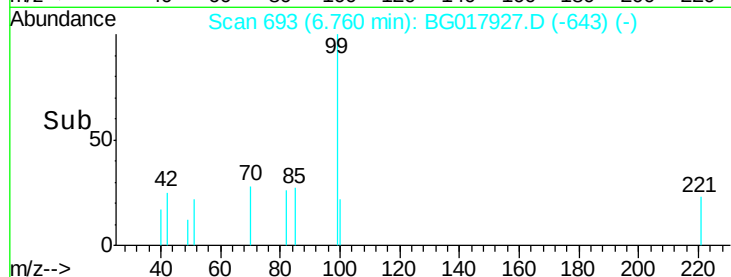
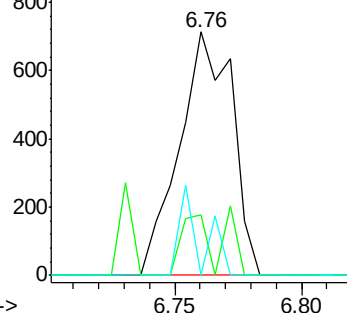
99 100

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

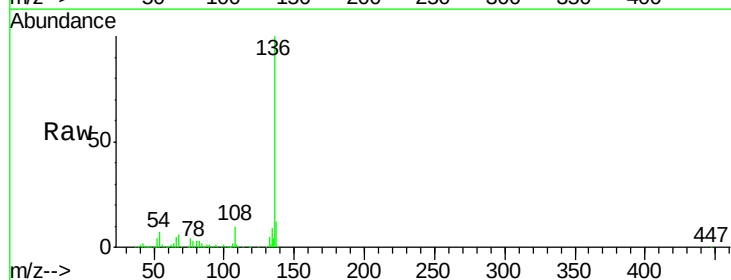
Ion Ratio Lower Upper

136 100

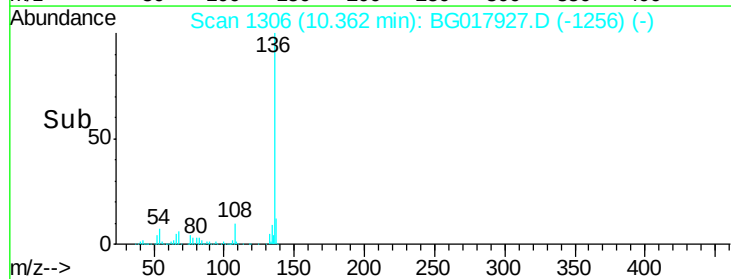
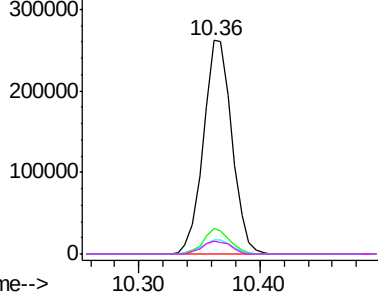
137 11.8 8.8 13.2

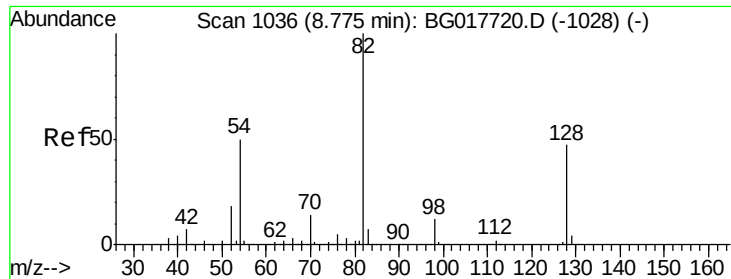
54 6.7 6.6 9.8

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

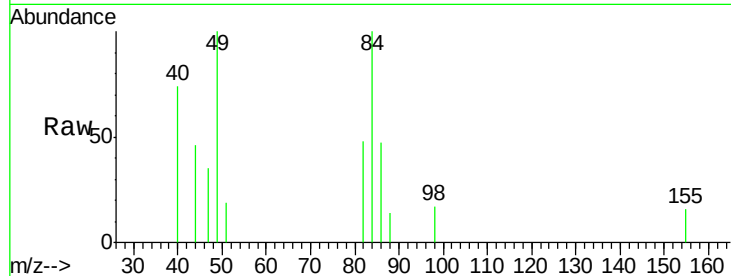




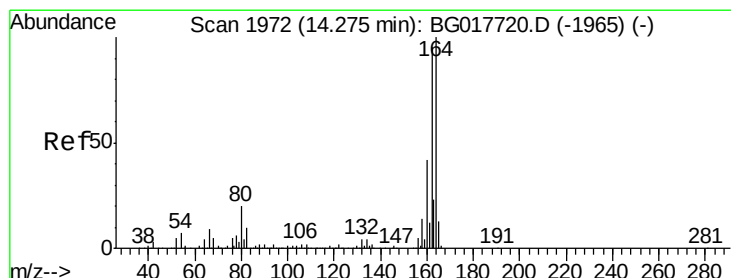
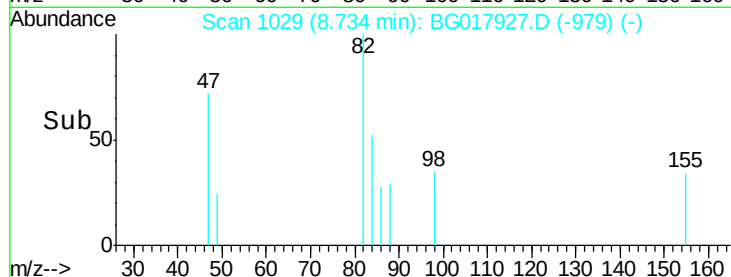
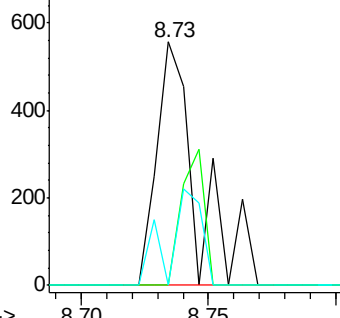
#23
 Nitrobenzene-d5
 Concen: 0.05 ng
 RT: 8.73 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

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#

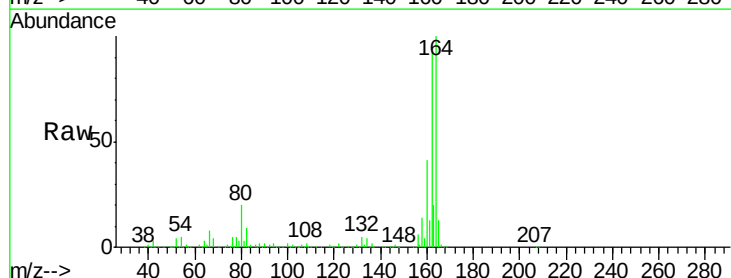


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

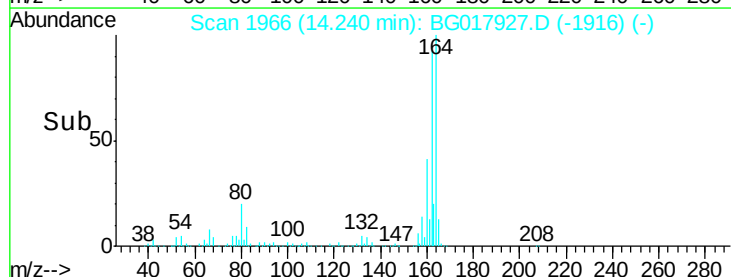
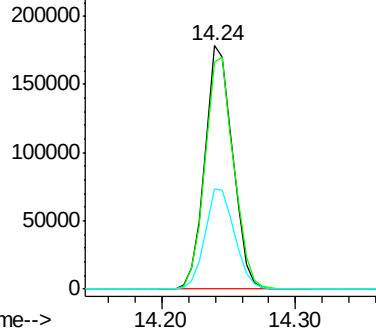


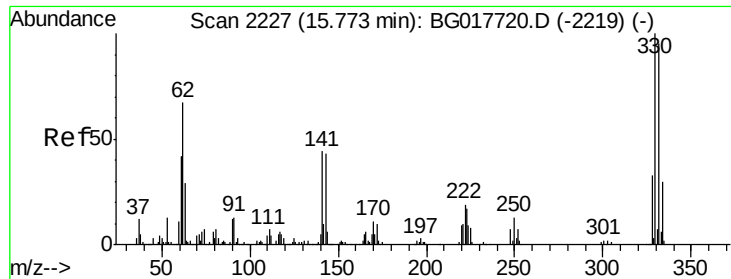
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.24 min Scan# 1966
 Delta R.T. -0.01 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

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

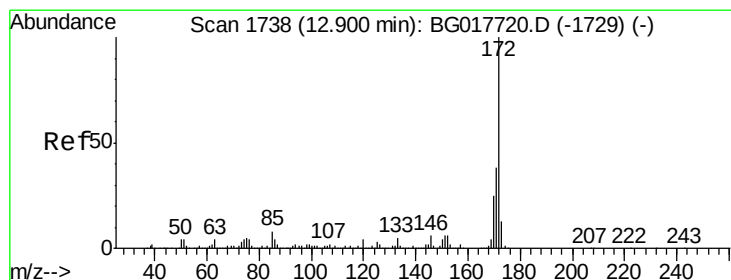
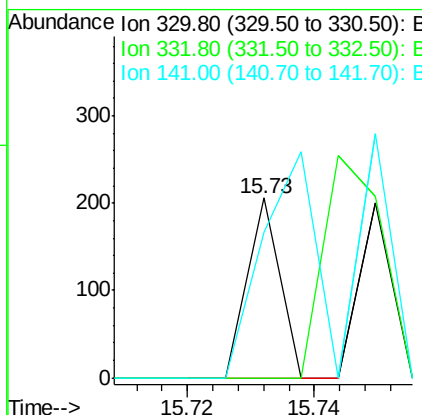
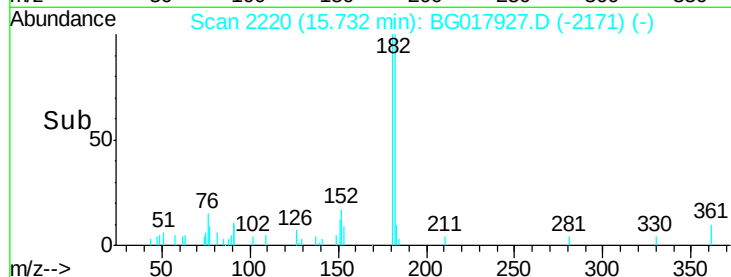
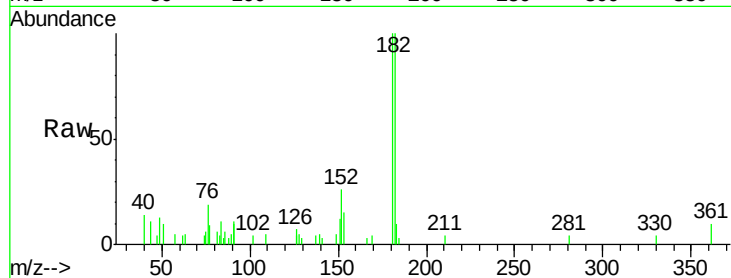




#41
 2,4,6-Tribromophenol
 Concen: -1.00 ng
 RT: 15.73 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

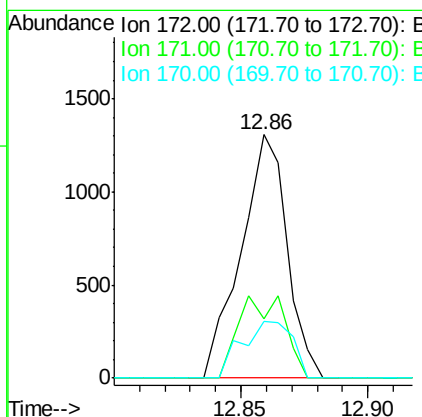
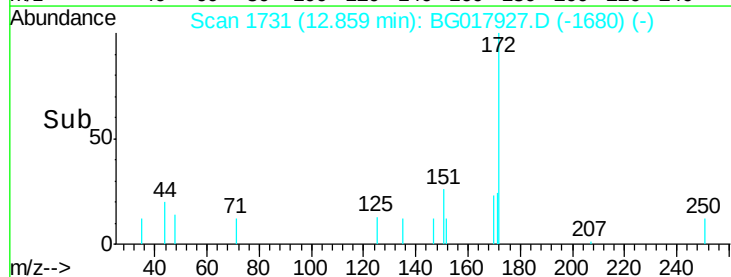
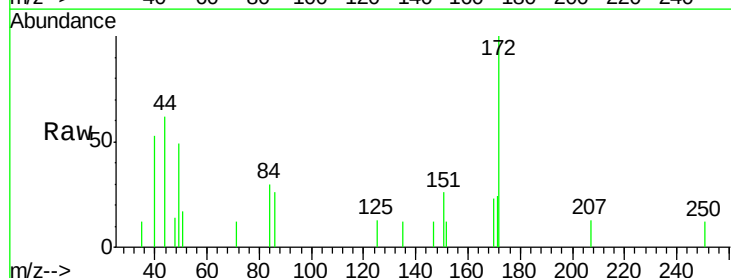
Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-7-15-15

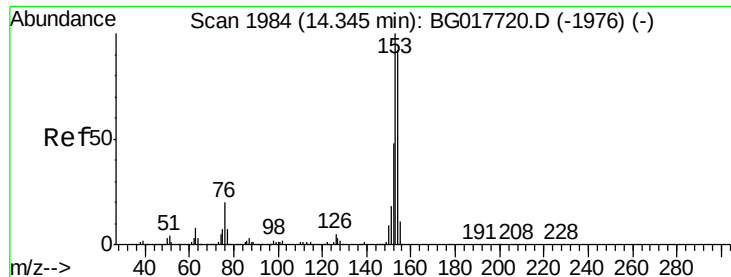
Tgt Ion:330 Resp: 73
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.8 115.2#
 141 205.5 38.0 57.0#



#44
 2-Fluorobiphenyl
 Concen: 0.06 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

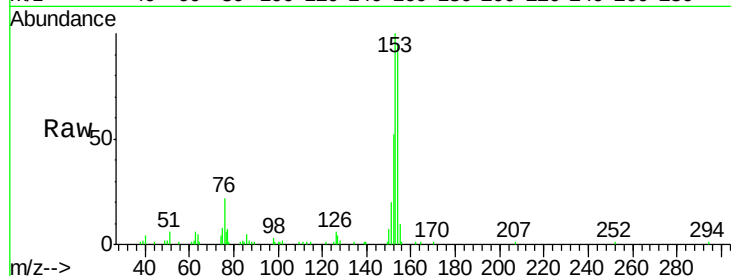
Tgt Ion:154 Resp: 41643

Ion Ratio Lower Upper

154 100

153 105.8 87.0 130.4

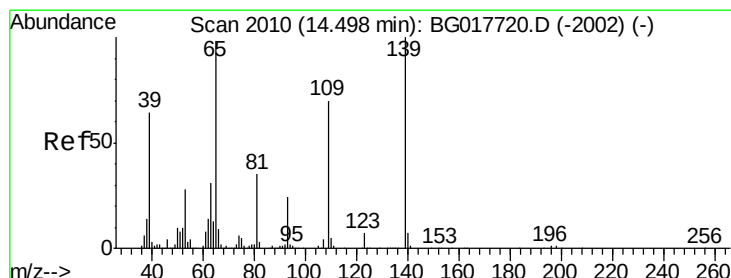
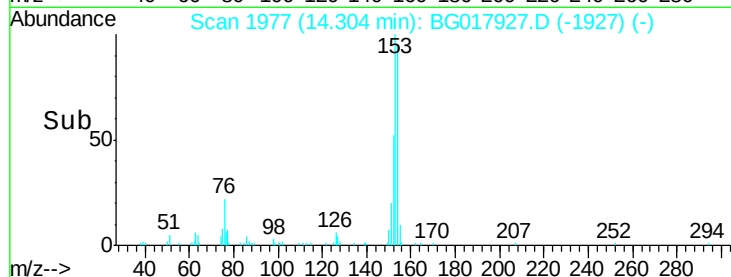
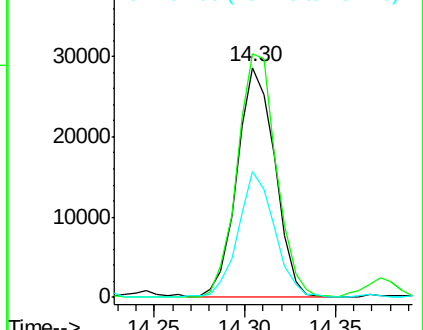
152 54.6 41.4 62.0



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



#55

4-Nitrophenol

Concen: 3.36 ng

RT: 14.64 min Scan# 2035

Delta R.T. 0.18 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

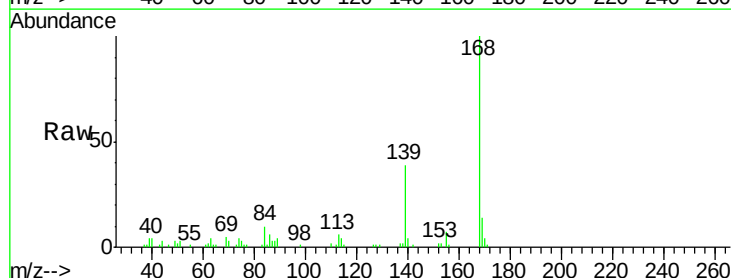
Tgt Ion:139 Resp: 12103

Ion Ratio Lower Upper

139 100

109 0.0 50.3 90.3#

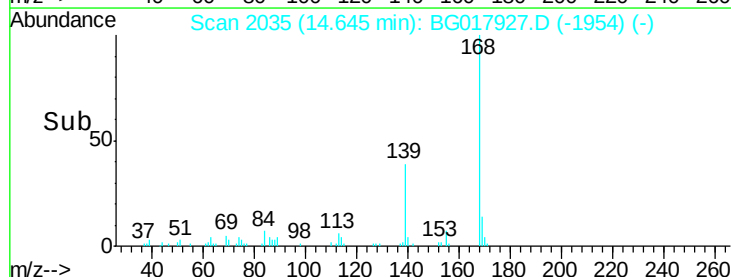
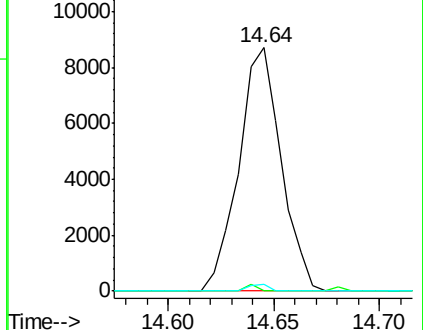
65 2.5 78.8 118.8#

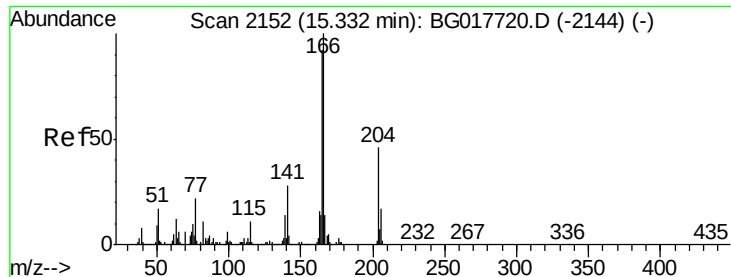


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

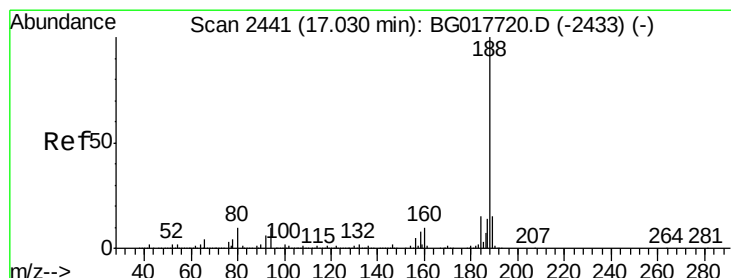
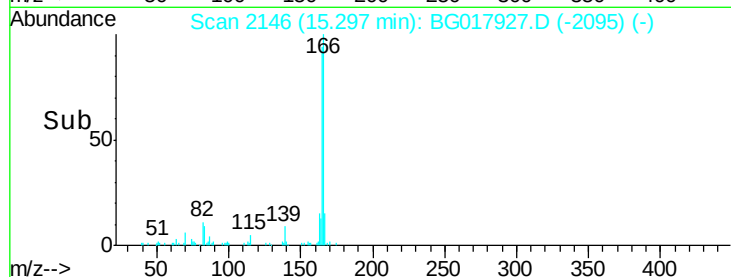
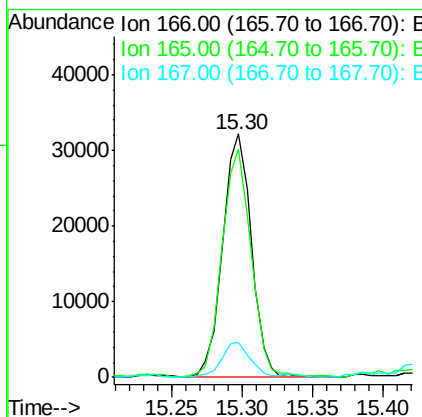
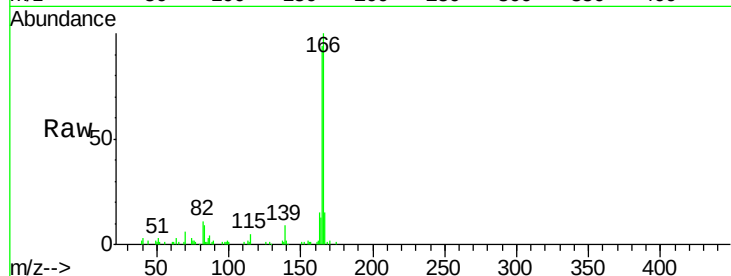




#57
Fluorene
 Concen: 2.50 ng
 RT: 15.30 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: BG017927.D
 Acq: 17 Jul 2015 16:17

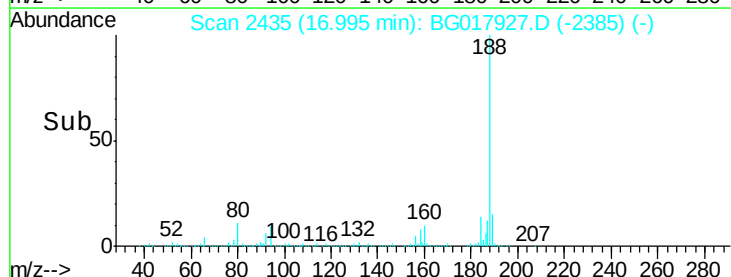
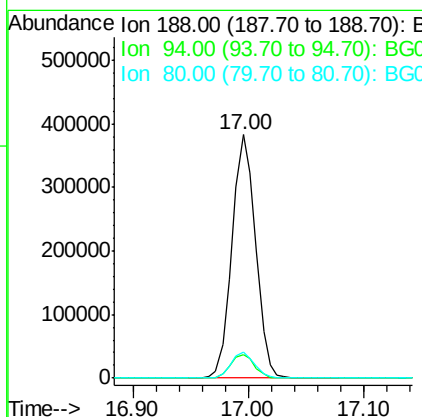
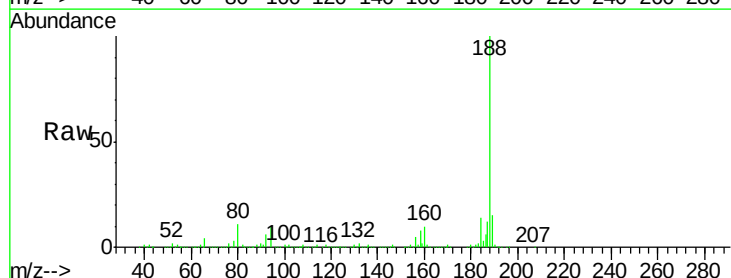
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 STOCKPILE-7-15-15

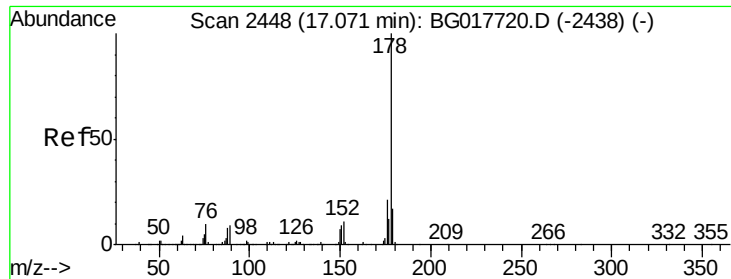
Tgt Ion:166 Resp: 45649
 Ion Ratio Lower Upper
 166 100
 165 93.5 73.4 110.0
 167 14.6 11.0 16.6



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

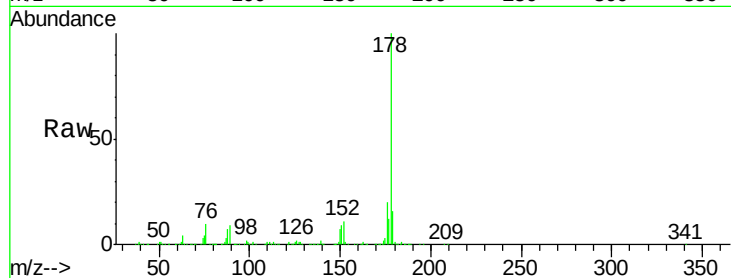
Tgt Ion:178 Resp: 813965

Ion Ratio Lower Upper

178 100

176 20.4 16.5 24.7

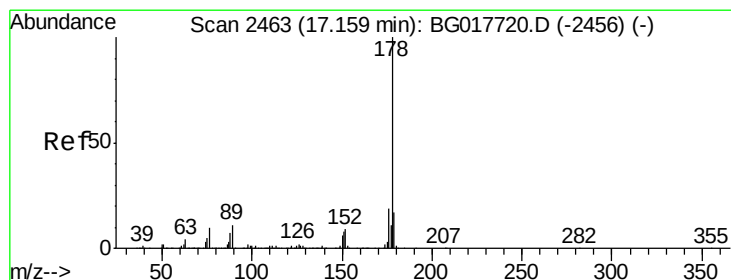
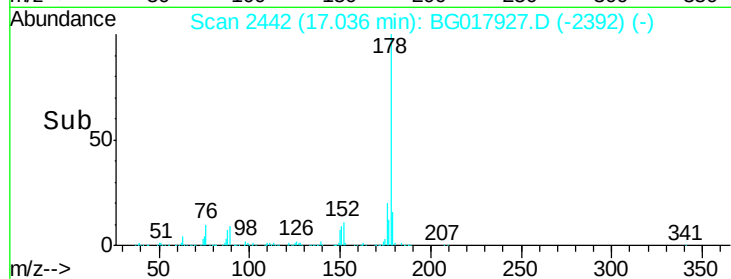
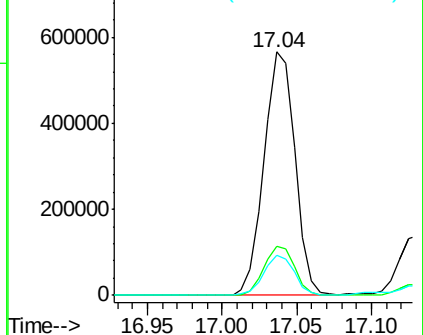
179 16.3 13.5 20.3



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



#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

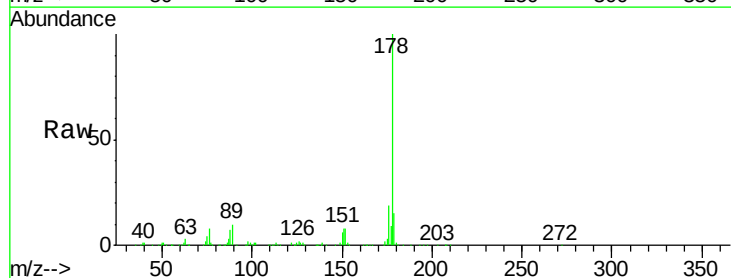
Tgt Ion:178 Resp: 195789

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

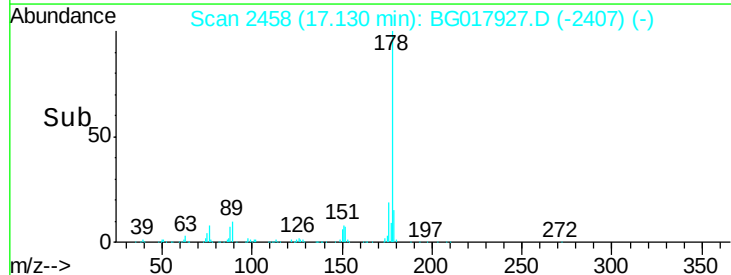
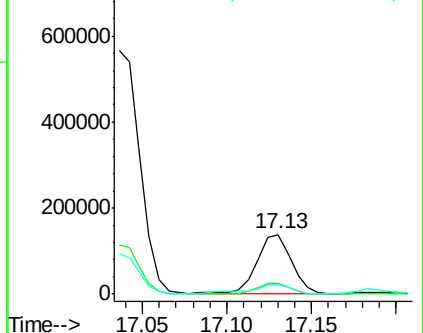
179 15.3 13.6 20.4

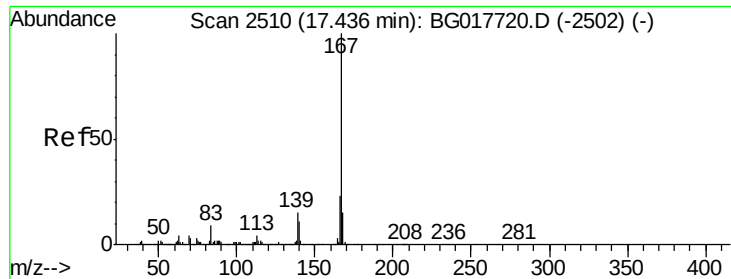


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#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

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

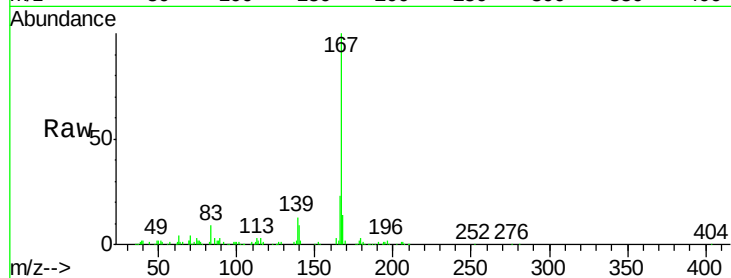
Tgt Ion:167 Resp: 72029

Ion Ratio Lower Upper

167 100

166 22.9 18.3 27.5

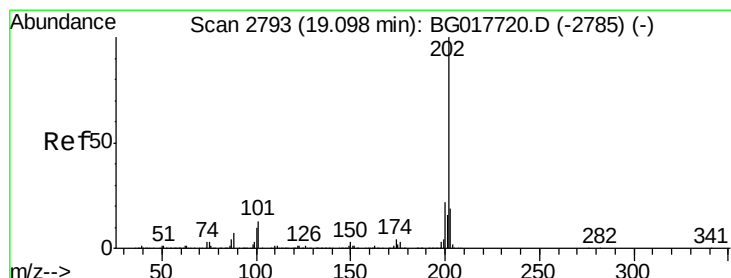
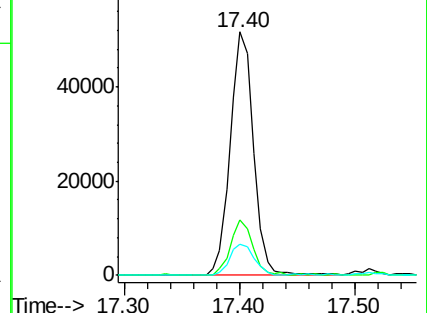
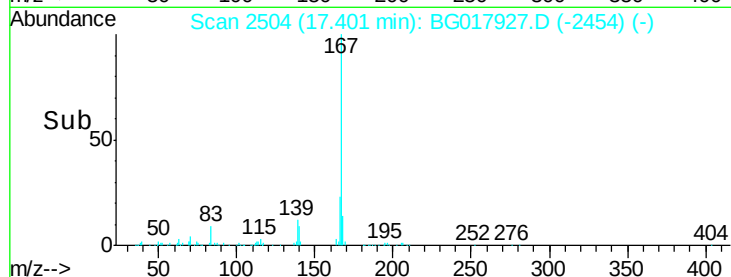
139 12.5 11.9 17.9



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#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

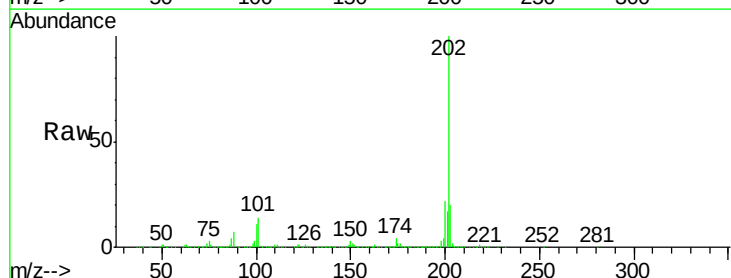
Tgt Ion:202 Resp: 1190687

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.3

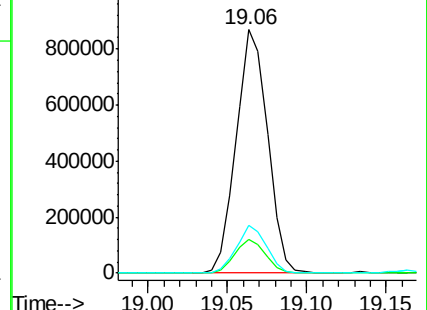
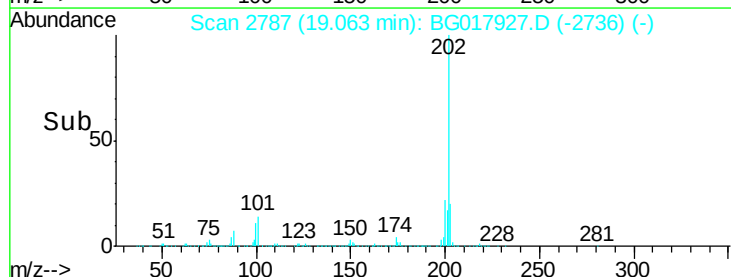
203 19.5 0.0 39.5

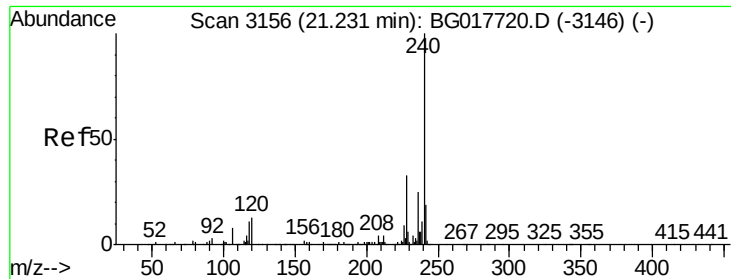


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

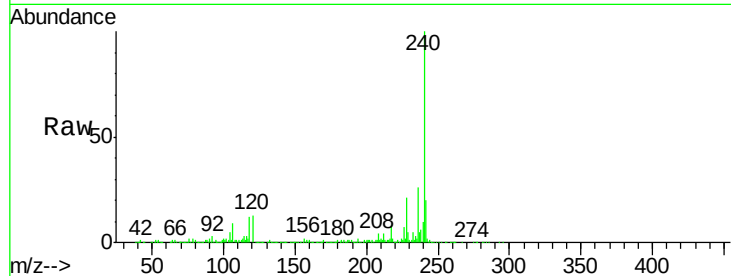
Tgt Ion:240 Resp: 544898

Ion Ratio Lower Upper

240 100

120 13.0 10.8 16.2

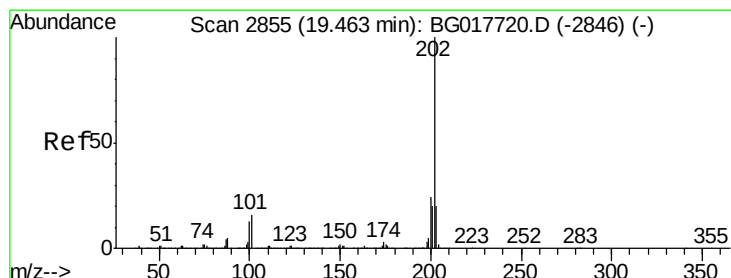
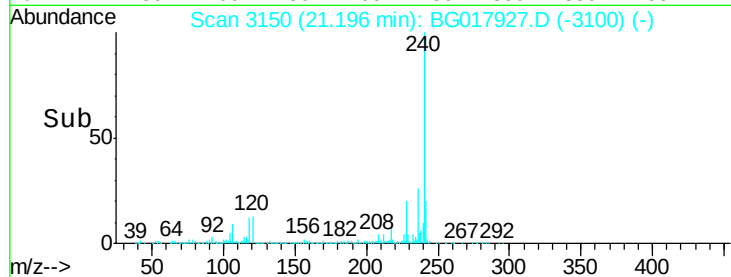
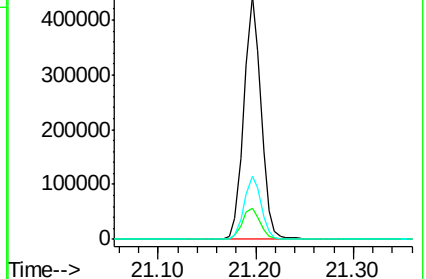
236 26.0 20.0 30.0



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

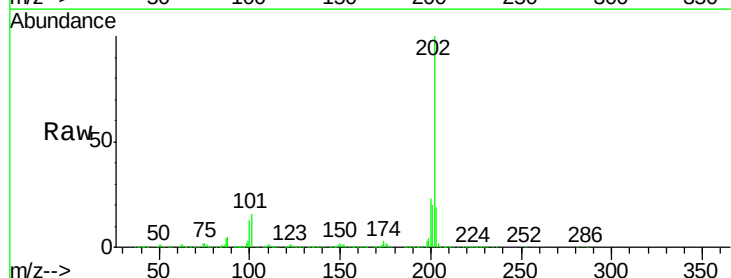
Tgt Ion:202 Resp: 1058907

Ion Ratio Lower Upper

202 100

200 22.7 18.8 28.2

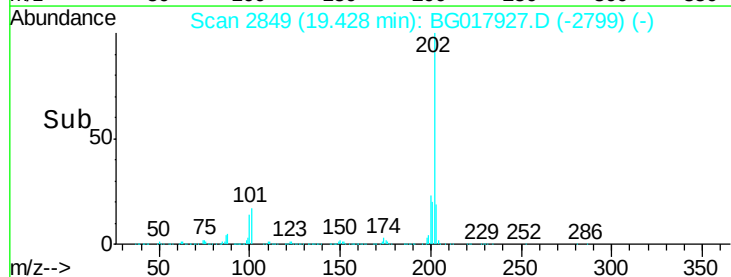
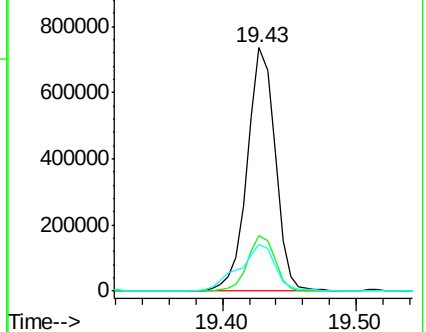
203 19.0 15.9 23.9

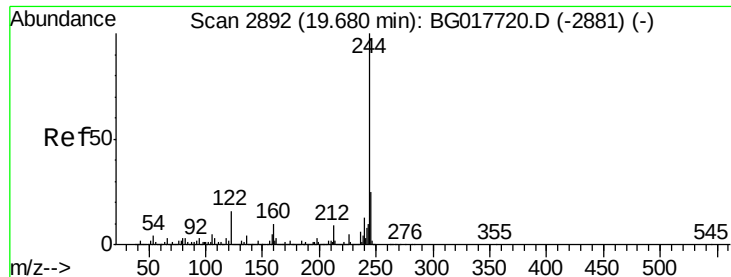


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.08 ng

RT: 19.64 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

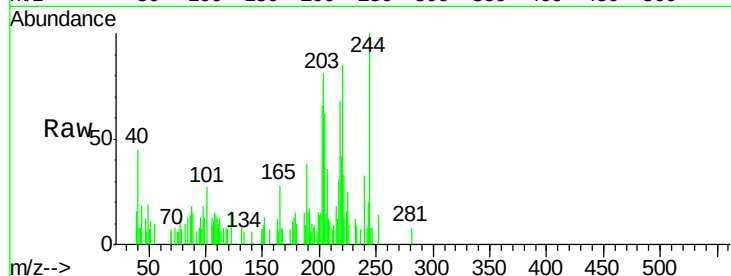
Tgt Ion:244 Resp: 3490

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

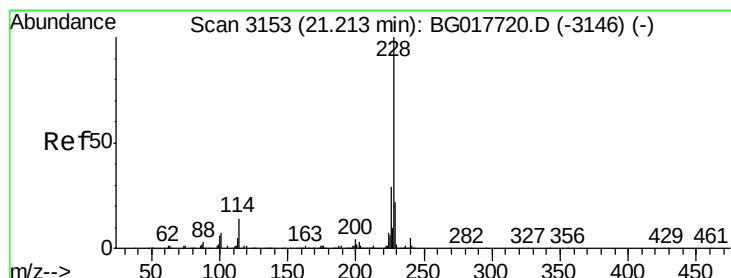
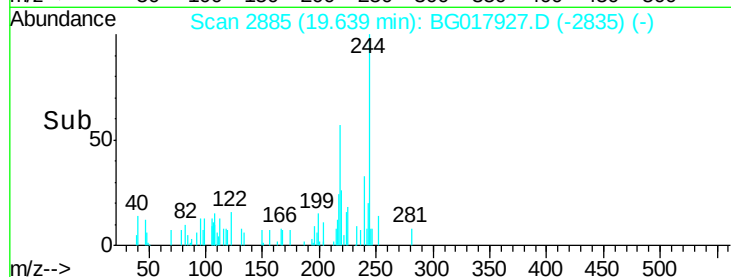
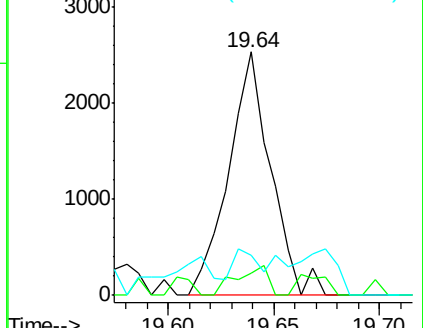
122 16.2 12.8 19.2



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: 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

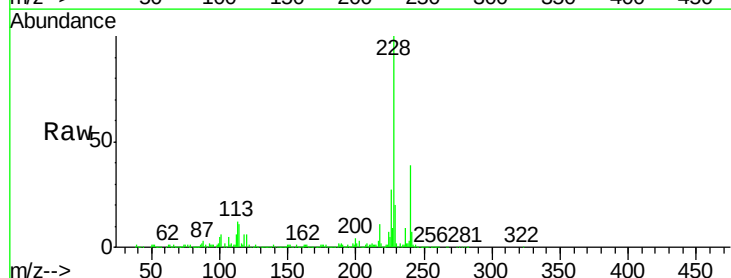
Tgt Ion:228 Resp: 529657

Ion Ratio Lower Upper

228 100

226 27.4 23.1 34.7

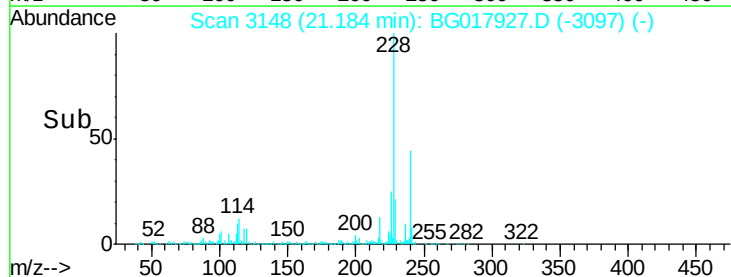
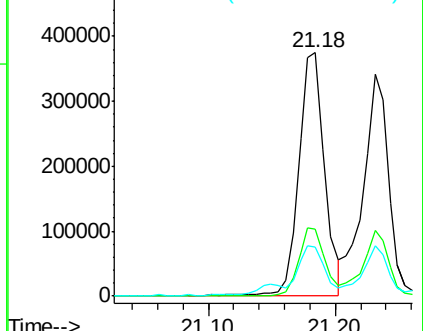
229 20.2 17.4 26.0

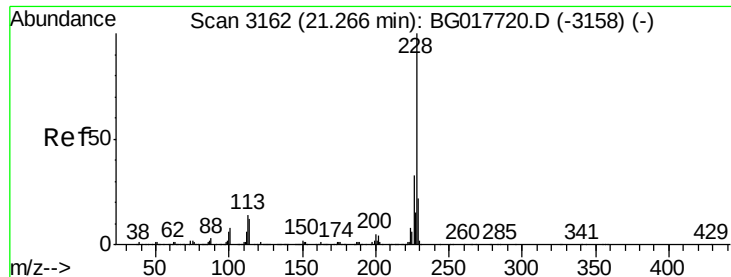


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

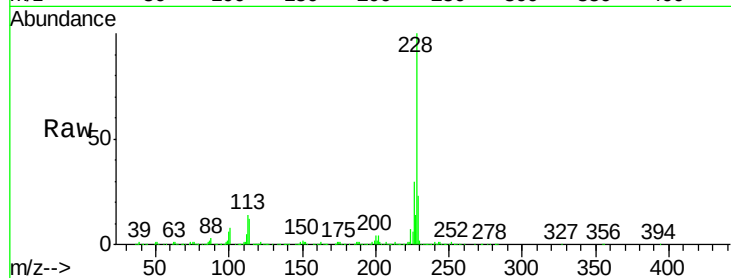
Tgt Ion:228 Resp: 475888

Ion Ratio Lower Upper

228 100

226 29.8 26.1 39.1

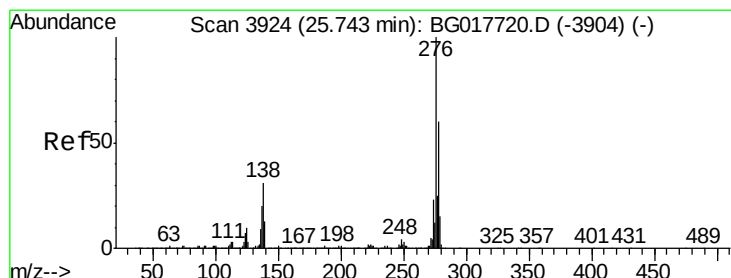
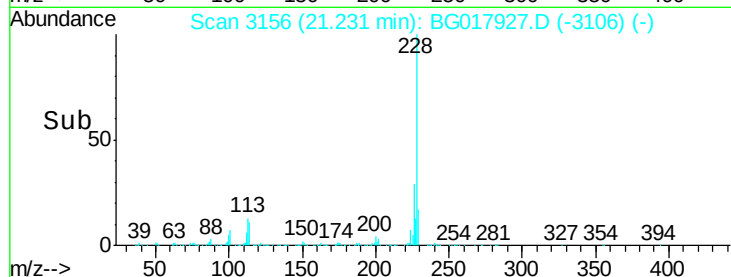
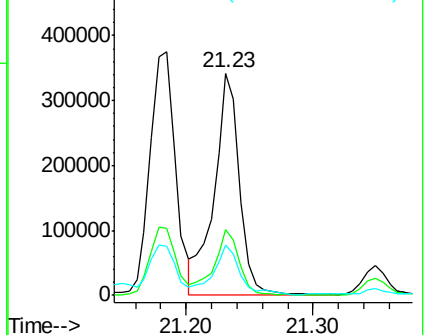
229 22.7 17.7 26.5



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

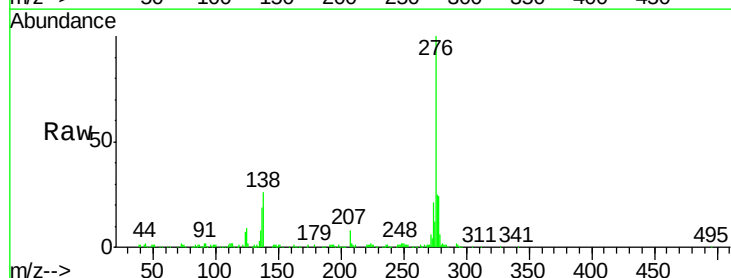
Tgt Ion:276 Resp: 185989

Ion Ratio Lower Upper

276 100

138 26.2 25.4 38.0

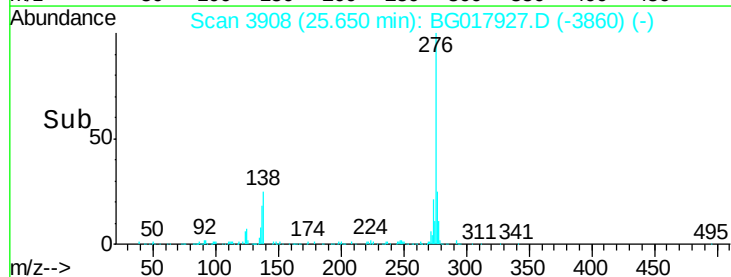
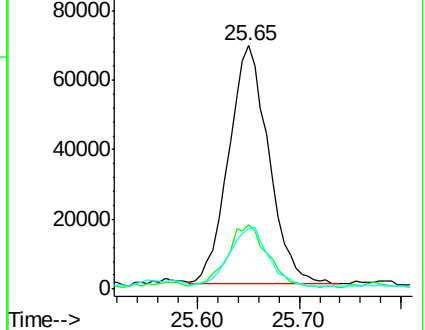
277 24.4 21.0 31.4

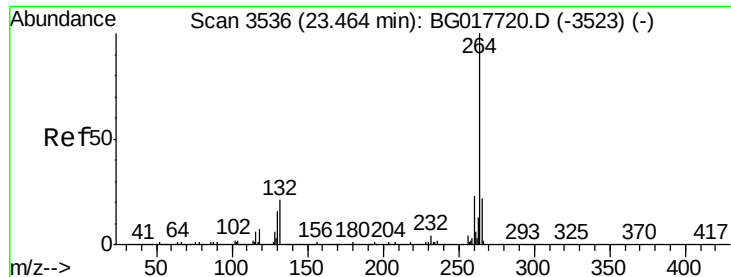


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

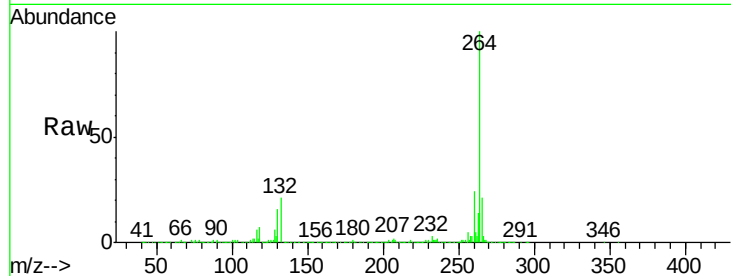




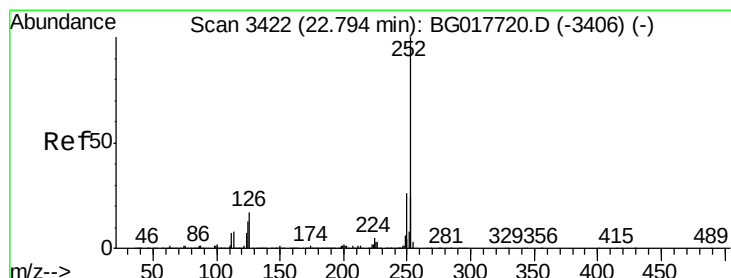
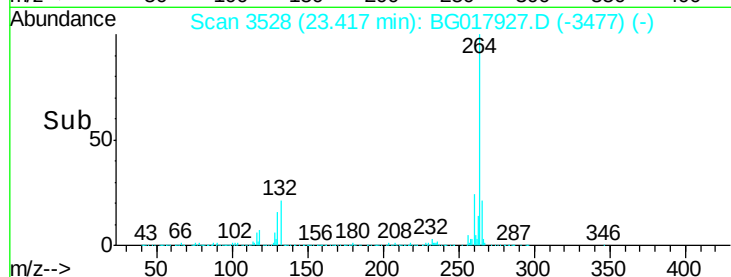
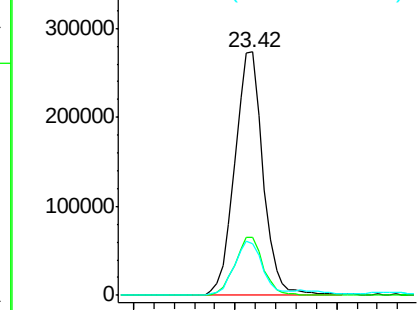
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.42 min Scan# 3528
Delta R.T. 0.00 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

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

Tgt Ion:264 Resp: 528476
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.3 18.2 27.2

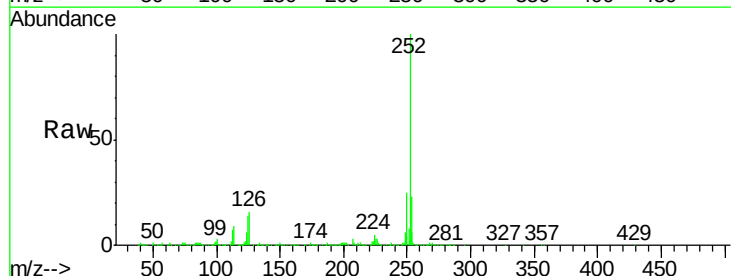


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

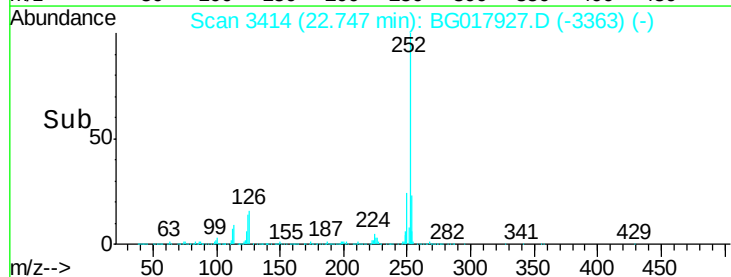
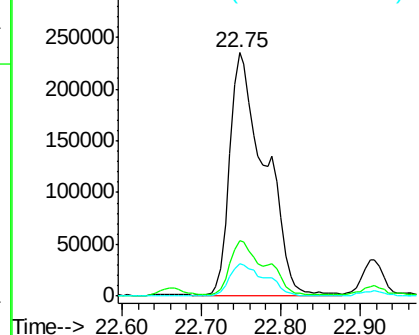


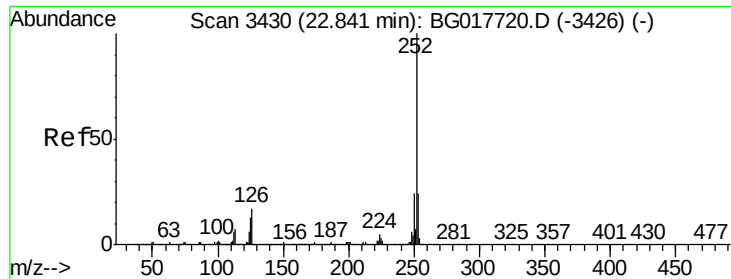
#87
Benzo(b)fluoranthene
Concen: 24.87 ng
RT: 22.75 min Scan# 3414
Delta R.T. 0.00 min
Lab File: BG017927.D
Acq: 17 Jul 2015 16:17

Tgt Ion:252 Resp: 718993
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: 24.90 ng

RT: 22.75 min Scan# 3414

Delta R.T. -0.05 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

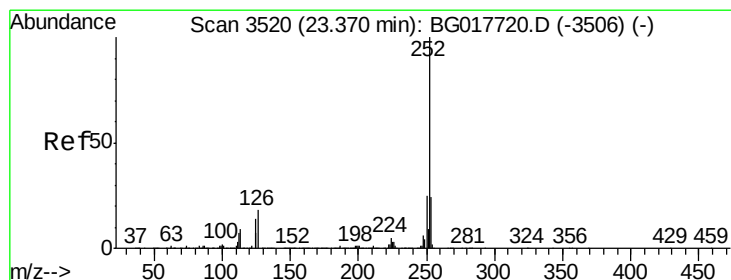
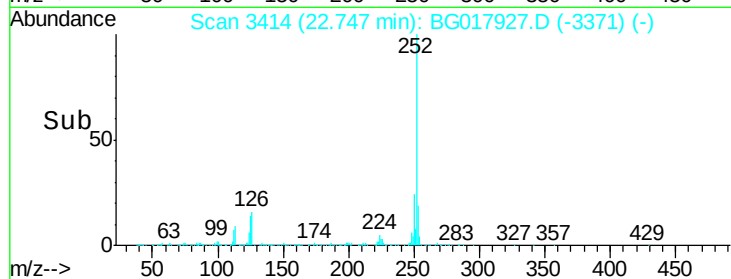
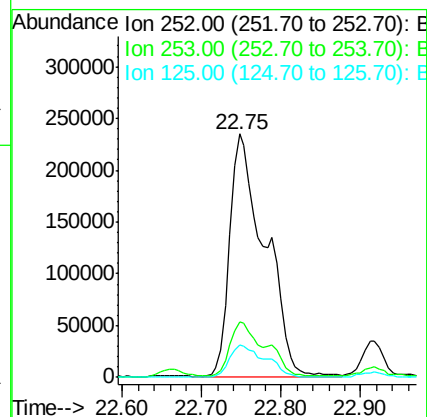
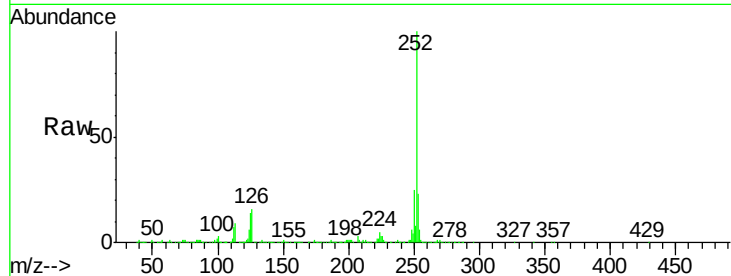
Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15

Tgt Ion:	252	Resp:	718993
Ion Ratio	Lower	Upper	
252	100		
253	22.7	19.0	28.6
125	13.6	10.3	15.5



#89

Benzo(a)pyrene

Concen: 13.63 ng

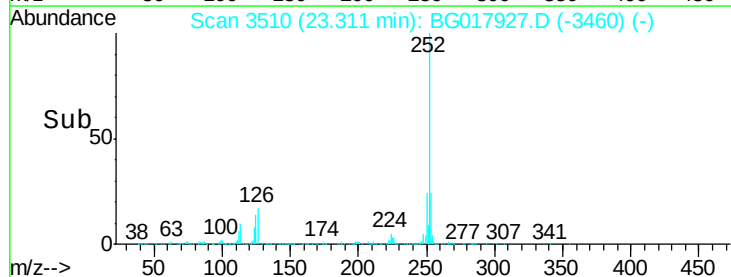
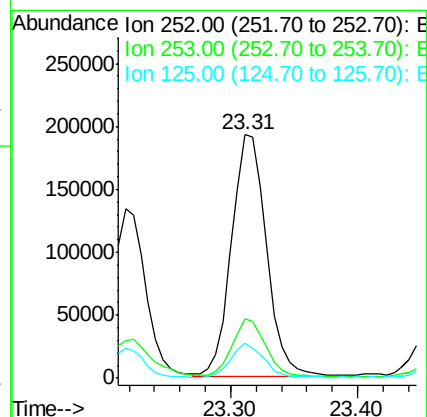
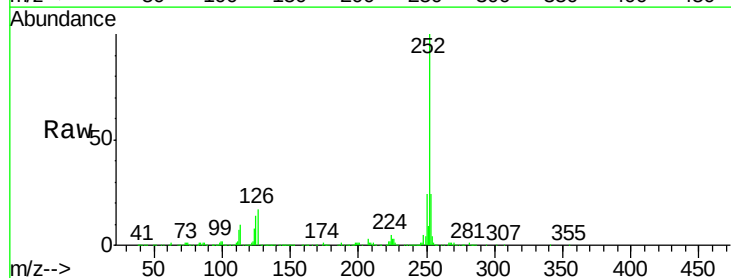
RT: 23.31 min Scan# 3510

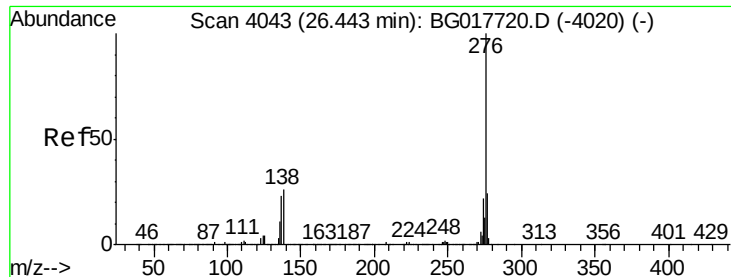
Delta R.T. -0.01 min

Lab File: BG017927.D

Acq: 17 Jul 2015 16:17

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





#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

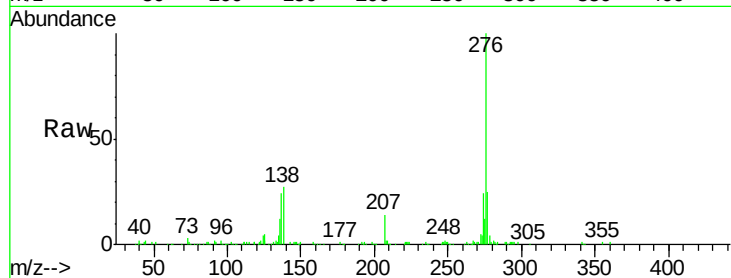
Acq: 17 Jul 2015 16:17

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-7-15-15



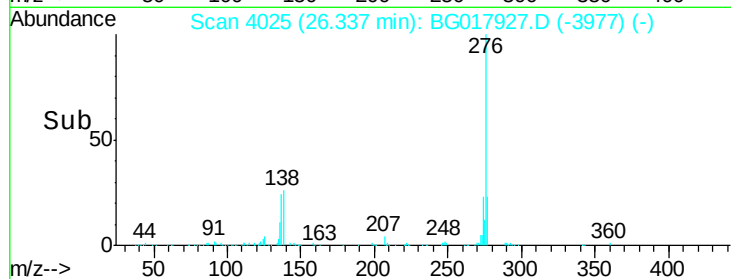
Tgt Ion: 276 Resp: 181287

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

