

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084041.D
 Acq On : 23 Dec 2015 18:48
 Operator : UM/SJ
 Sample : G4912-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

Quant Time: Dec 24 01:01:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

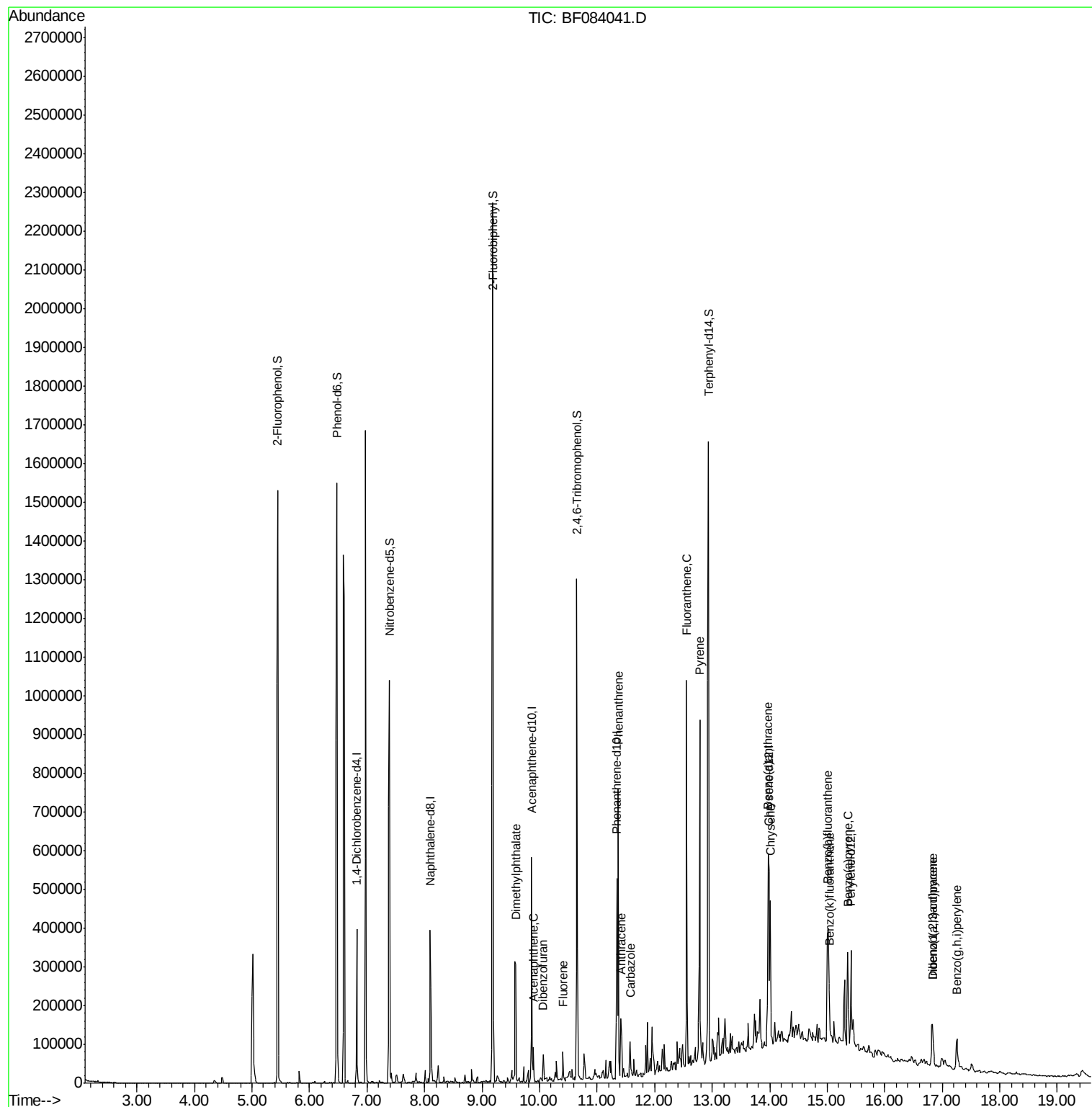
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	57386	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	223764	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	110089	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	184040	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	113285	20.00	ng	-0.01
86) Perylene-d12	15.41	264	103362	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	552435	164.14	ng	0.01
7) Phenol-d6	6.48	99	639040	161.48	ng	0.00
23) Nitrobenzene-d5	7.39	82	444833	122.12	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	162421	153.39	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	737609	90.17	ng	-0.01
78) Terphenyl-d14	12.93	244	593972	125.04	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	204224	23.71	ng	# 91
51) Acenaphthene	9.89	154	21751	3.30	ng	97
54) Dibenzofuran	10.06	168	20641	2.09	ng	# 94
57) Fluorene	10.41	166	20848	2.66	ng	96
70) Phenanthrene	11.37	178	264200	25.40	ng	99
71) Anthracene	11.41	178	78880	7.47	ng	98
72) Carbazole	11.57	167	29444	2.98	ng	99
74) Fluoranthene	12.56	202	370805	35.95	ng	99
77) Pyrene	12.79	202	342550	44.57	ng	100
80) Benzo(a)anthracene	13.97	228	178539	27.33	ng	100
82) Chrysene	14.01	228	119166	19.65	ng	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	79090	15.77	ng	95
87) Benzo(b)fluoranthene	15.01	252	183215m	28.12	ng	
88) Benzo(k)fluoranthene	15.04	252	51578m	8.32	ng	
89) Benzo(a)pyrene	15.36	252	107675	17.84	ng	# 96
90) Dibenzo(a,h)anthracene	16.83	278	20442m	4.09	ng	
91) Benzo(g,h,i)perylene	17.25	276	73964	14.62	ng	97

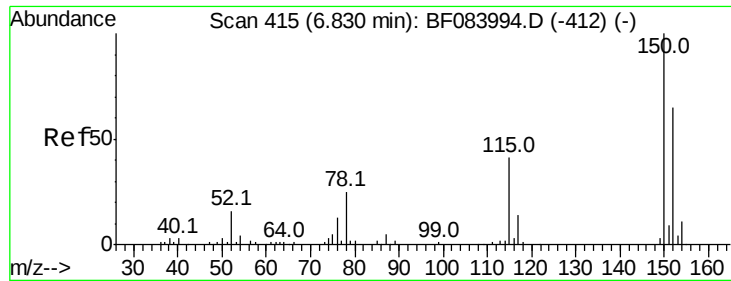
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

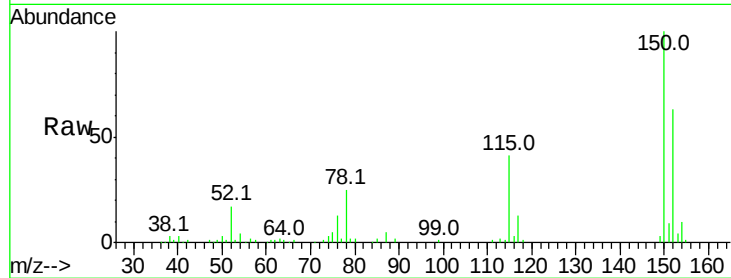
Tot Ion:152 Resp: 57386

Ion Ratio Lower Upper

152 100

150 158.4 123.0 184.4

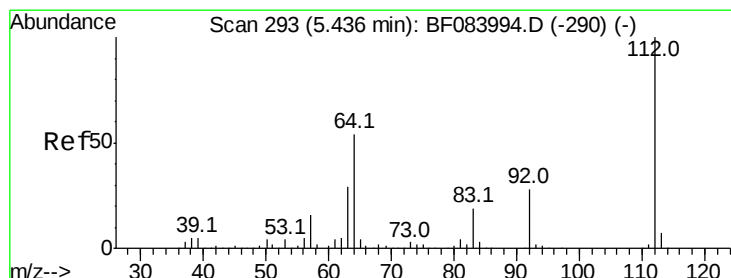
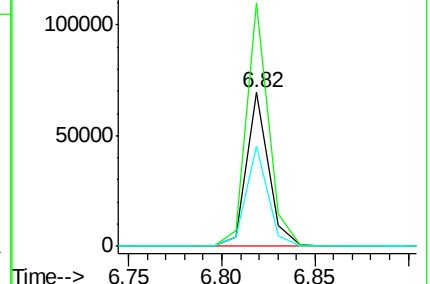
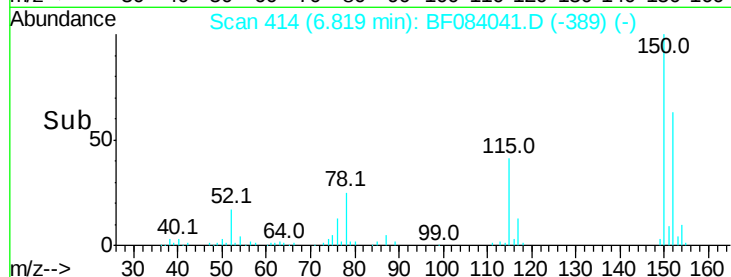
115 65.6 51.4 77.2



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: 164.14 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

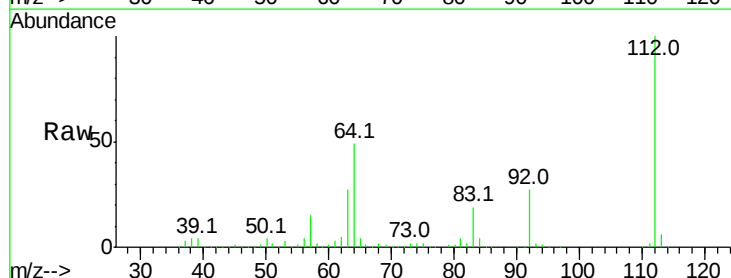
Tgt Ion:112 Resp: 552435

Ion Ratio Lower Upper

112 100

64 49.5 36.6 55.0

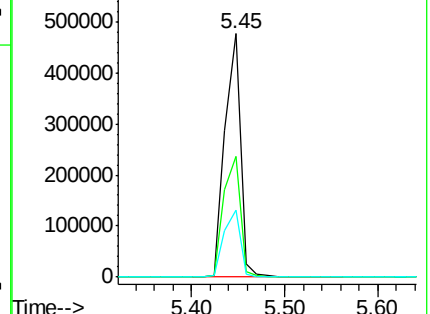
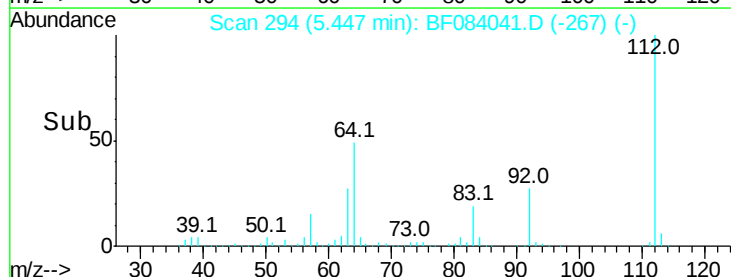
63 27.3 19.4 29.0

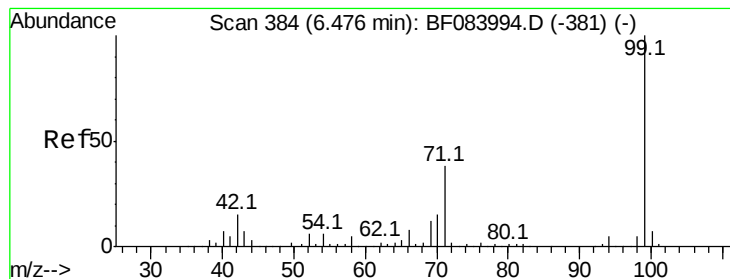


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 161.48 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

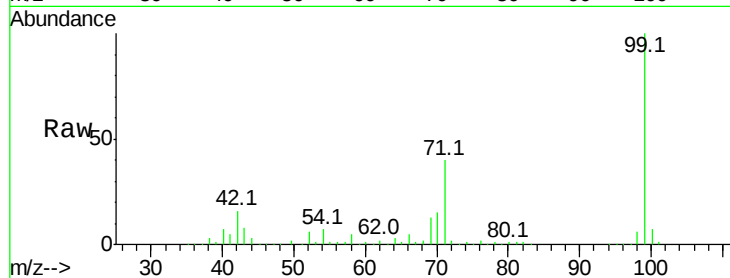
Tot Ion: 99 Resp: 639040

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

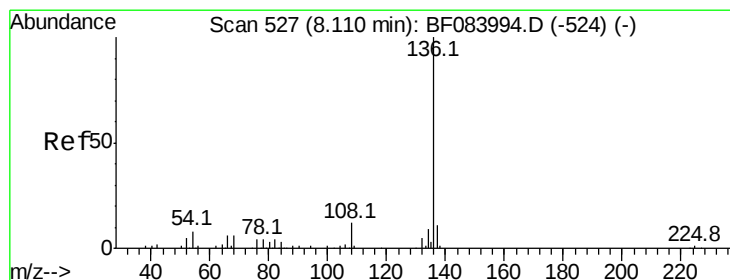
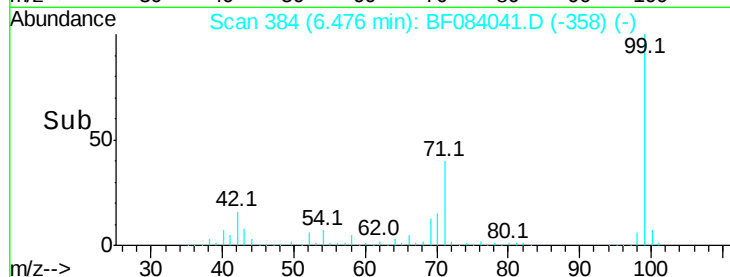
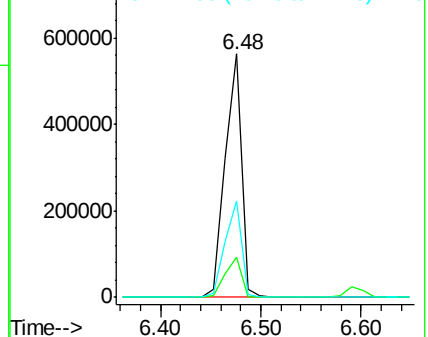
71 39.8 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Tgt Ion: 136 Resp: 223764

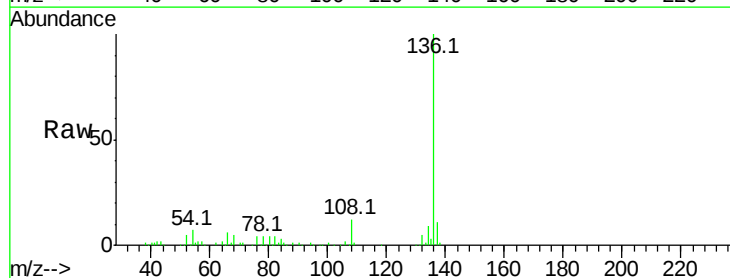
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 7.4 5.8 8.8

68 5.2 4.2 6.2

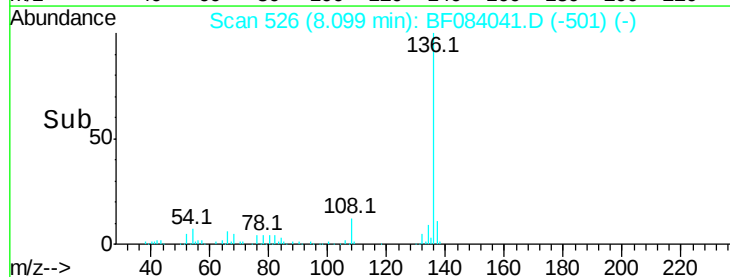
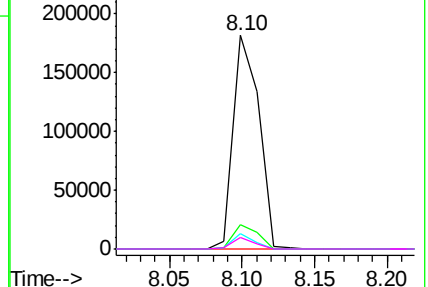


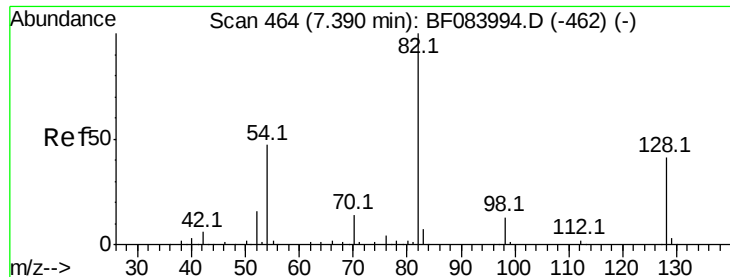
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

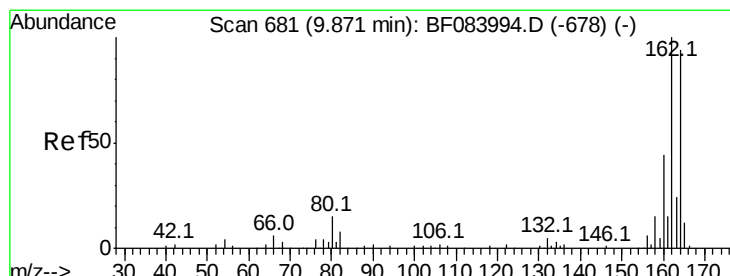
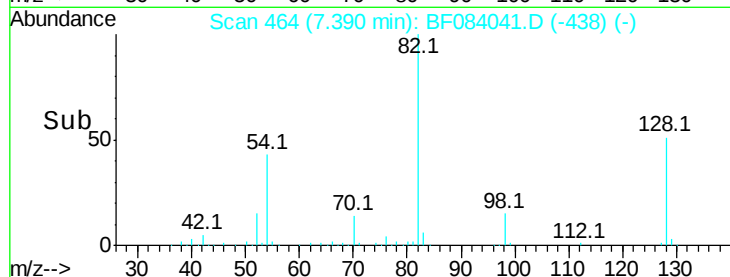
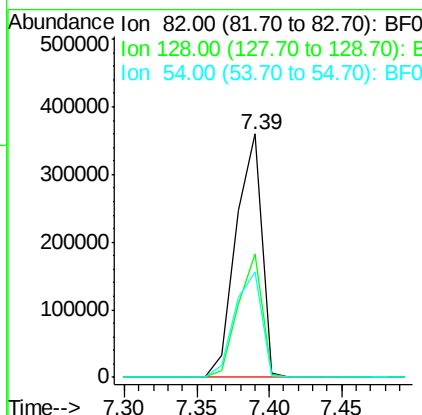
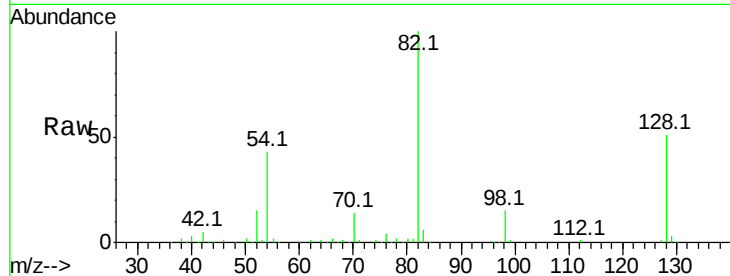




#23
 Nitrobenzene-d5
 Concen: 122.12 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

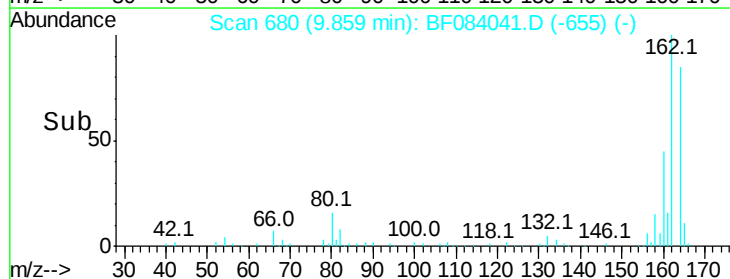
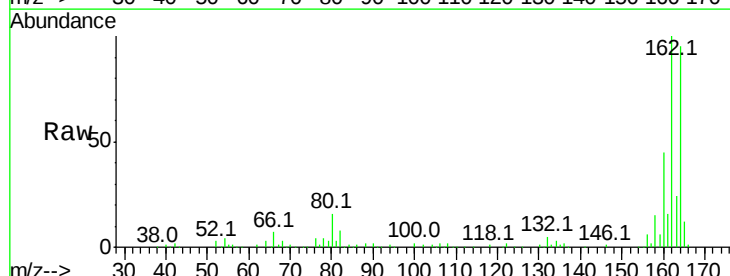
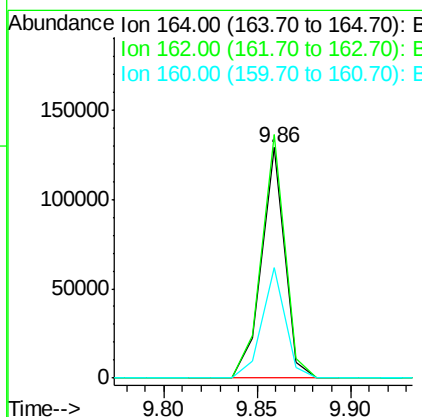
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

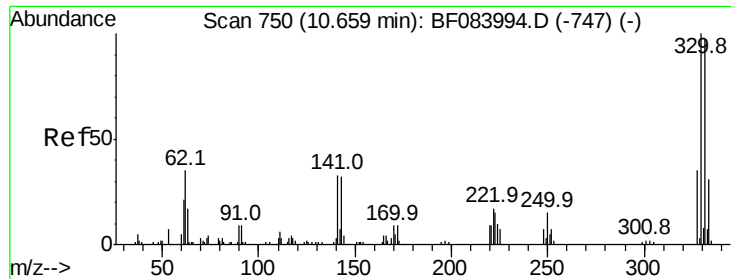
Tot Ion	82	Resp	444833
Ion Ratio	Lower	Upper	
82	100		
128	50.7	34.6	51.8
54	43.1	38.4	57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

Tgt Ion	164	Resp	110089
Ion Ratio	Lower	Upper	
164	100		
162	105.5	85.1	127.7
160	47.9	37.5	56.3

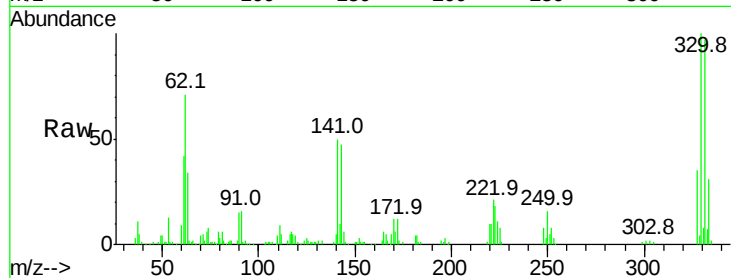




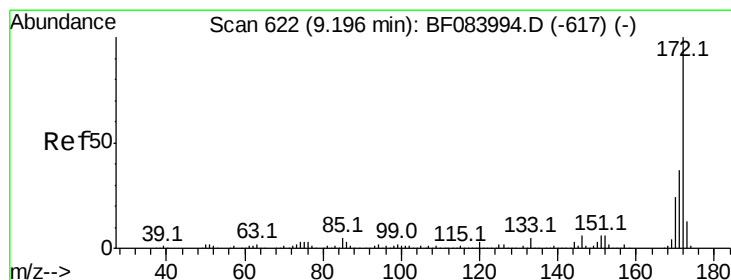
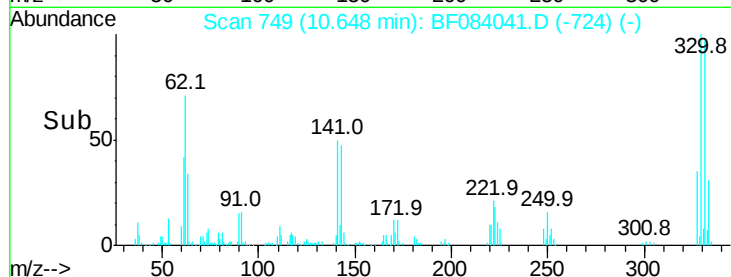
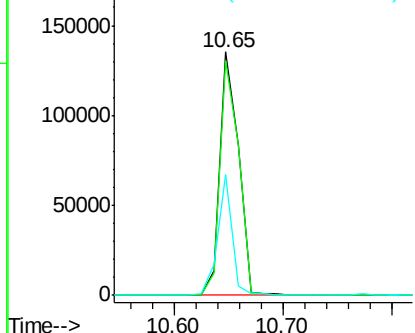
#41
 2,4,6-Tribromophenol
 Concen: 153.39 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

Tot Ion:330 Resp: 162421
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 39.8 27.8 41.6

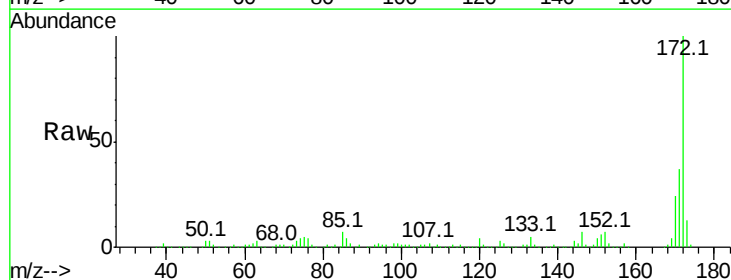


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

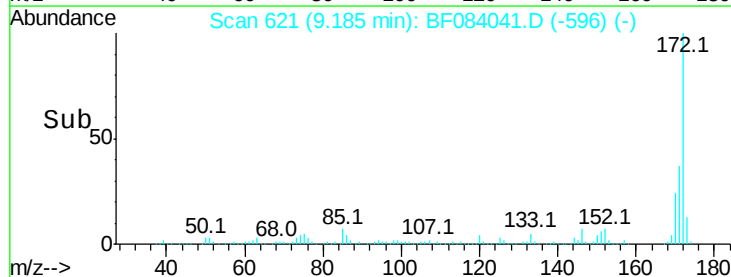
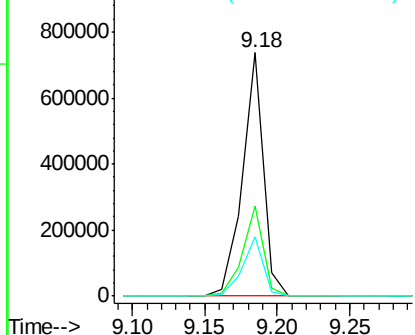


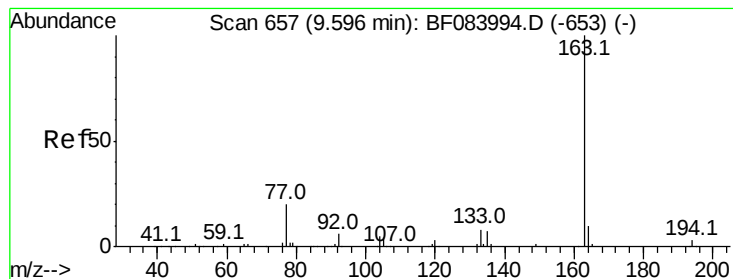
#44
 2-Fluorobiphenyl
 Concen: 90.17 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

Tgt Ion:172 Resp: 737609
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 24.2 18.6 27.8



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: 23.71 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

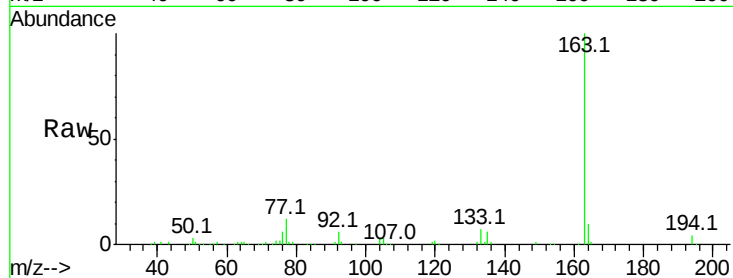
Tot Ion:163 Resp: 204224

Ion Ratio Lower Upper

163 100

194 3.7 8.0 12.0#

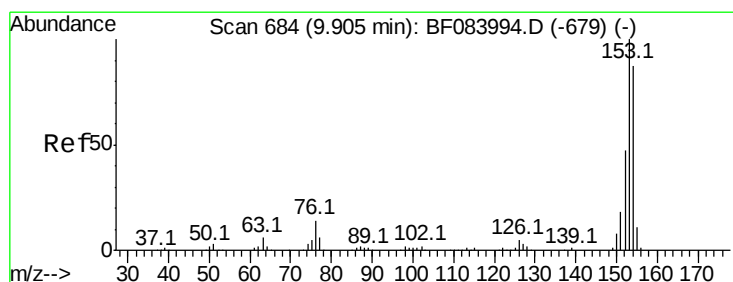
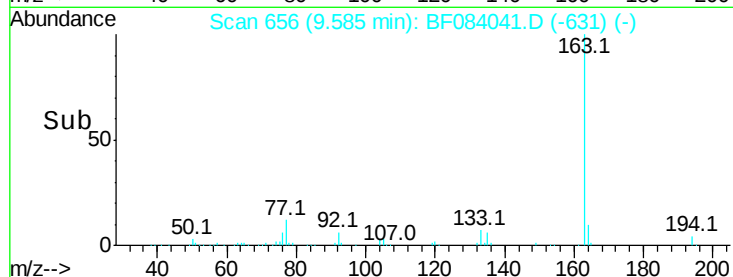
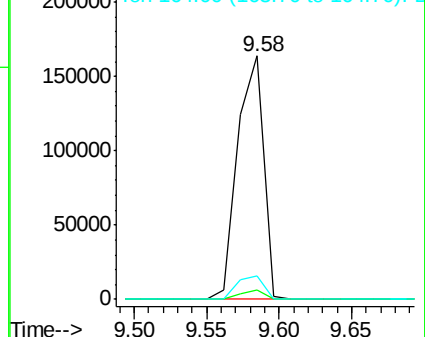
164 9.8 8.0 12.0



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



#51

Acenaphthene

Concen: 3.30 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

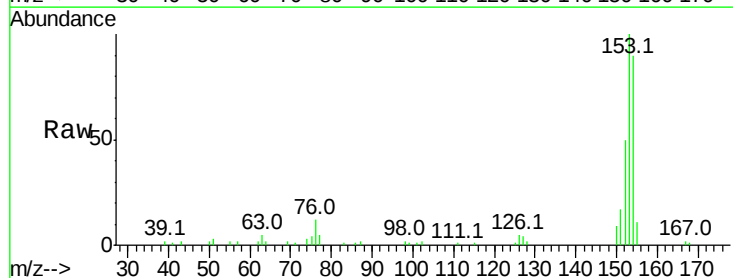
Tgt Ion:154 Resp: 21751

Ion Ratio Lower Upper

154 100

153 111.3 91.5 137.3

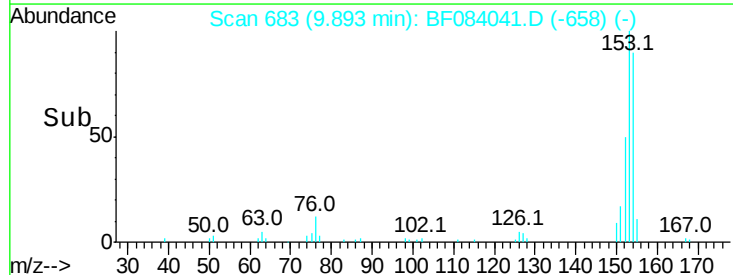
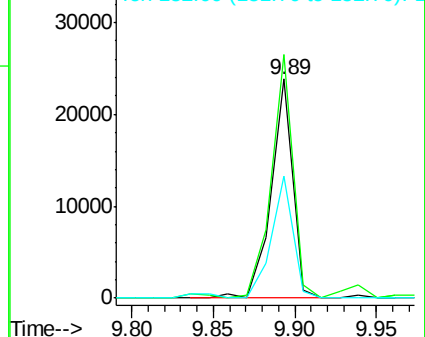
152 55.5 43.0 64.6

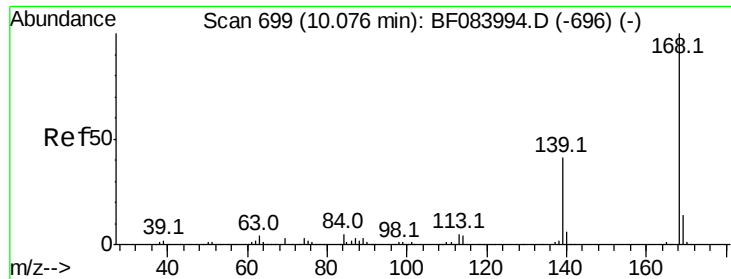


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

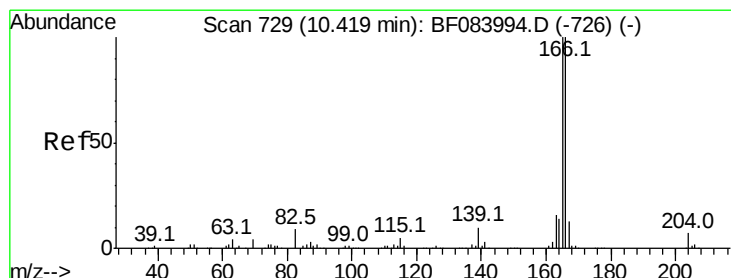
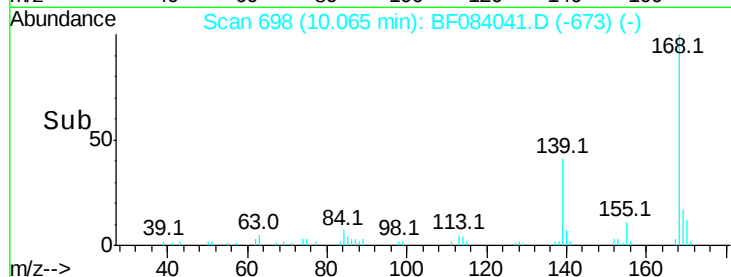
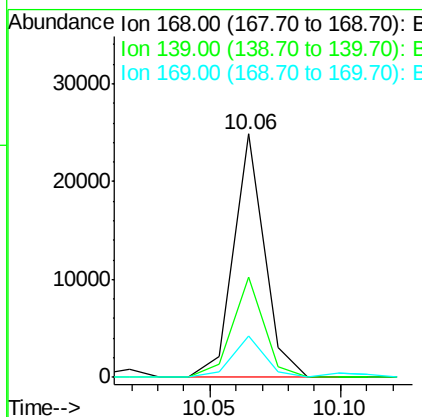
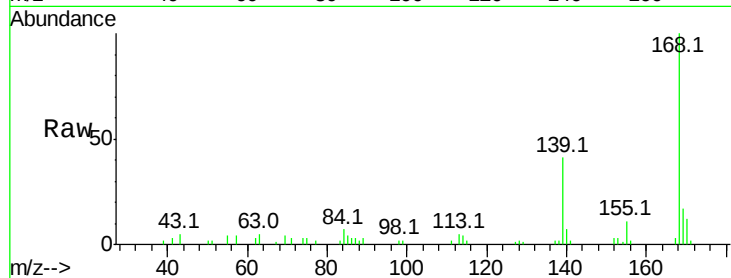




#54
Dibenzenofuran
Concen: 2.09 ng
RT: 10.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

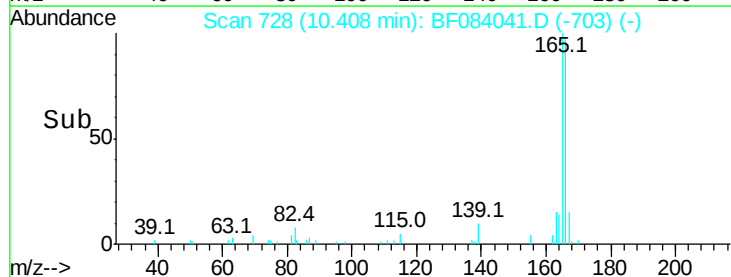
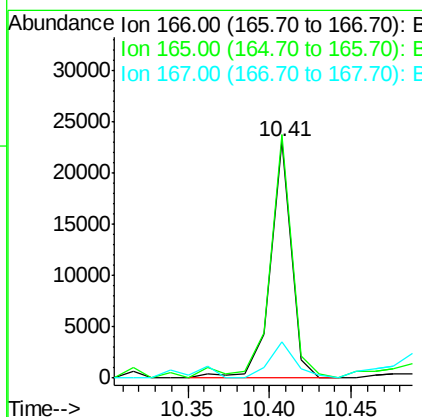
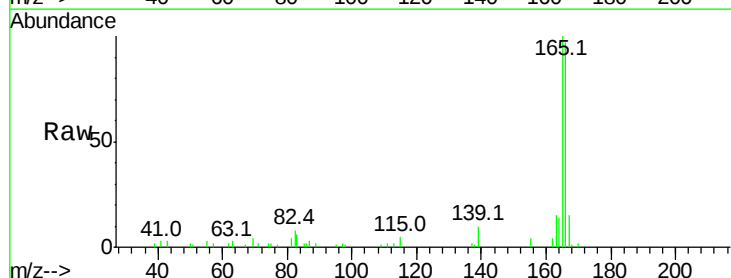
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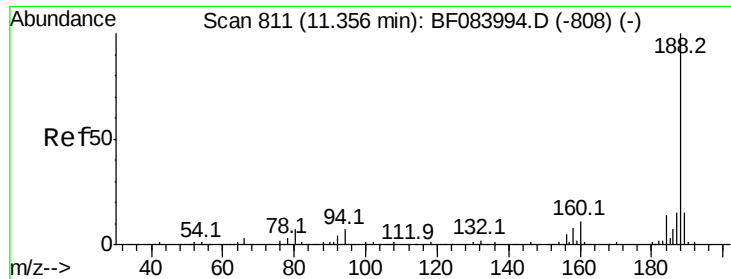
Tot Ion:168 Resp: 20641
Ion Ratio Lower Upper
168 100
139 41.1 30.5 45.7
169 16.9 10.4 15.6#



#57
Fluorene
Concen: 2.66 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

Tgt Ion:166 Resp: 20848
Ion Ratio Lower Upper
166 100
165 102.7 79.1 118.7
167 15.3 10.4 15.6

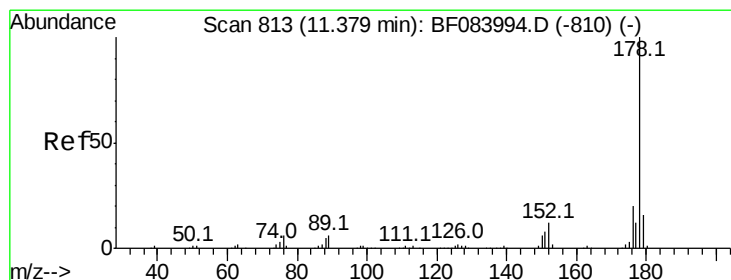
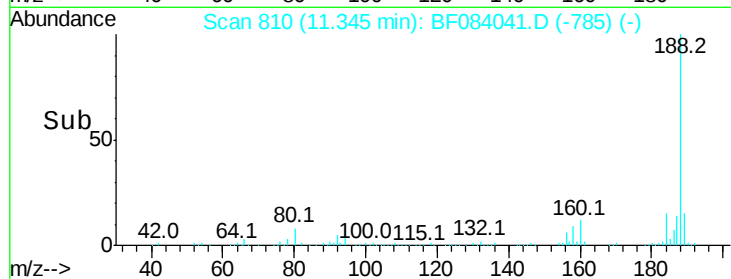
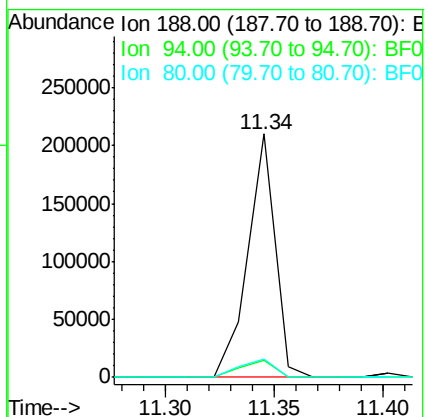
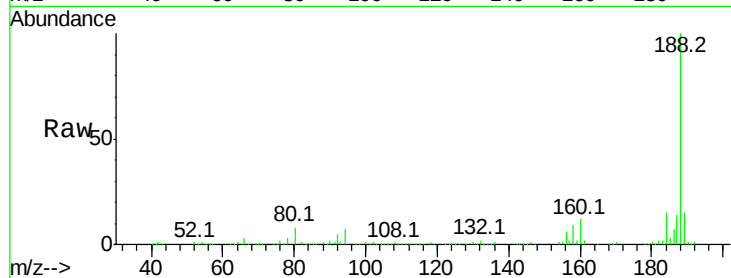




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

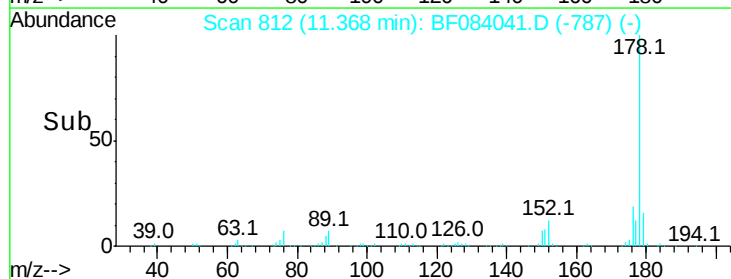
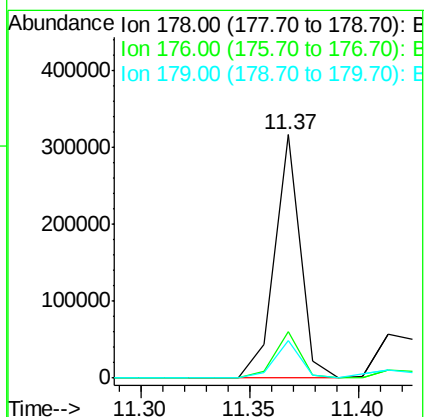
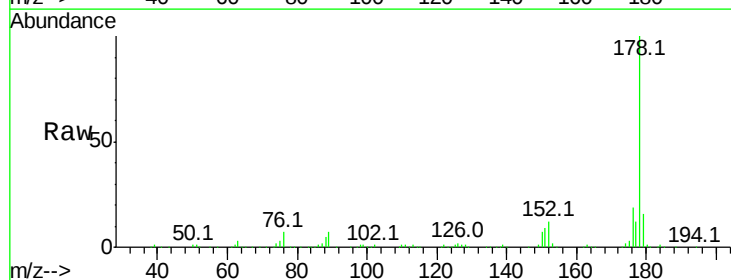
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

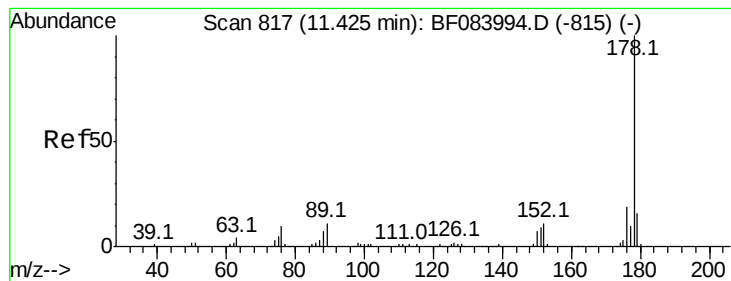
Tot Ion:188 Resp: 184040
 Ion Ratio Lower Upper
 188 100
 94 7.1 9.0 13.4#
 80 7.6 9.6 14.4#



#70
 Phenanthrene
 Concen: 25.40 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

Tgt Ion:178 Resp: 264200
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.5 12.0 18.0





#71

Anthracene

Concen: 7.47 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

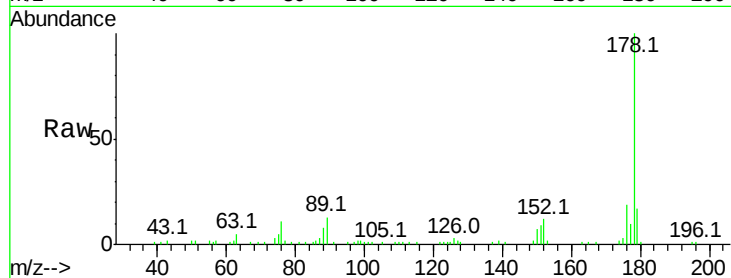
Tot Ion:178 Resp: 78880

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

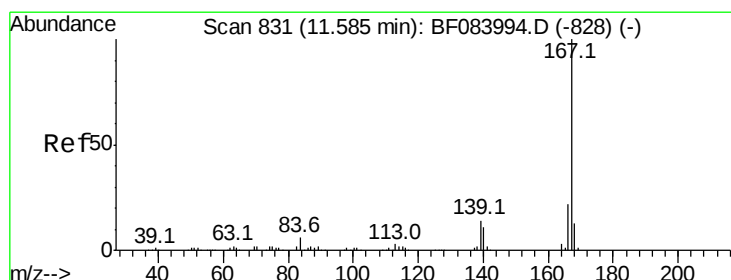
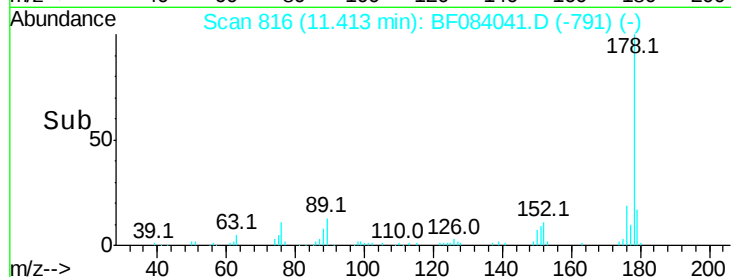
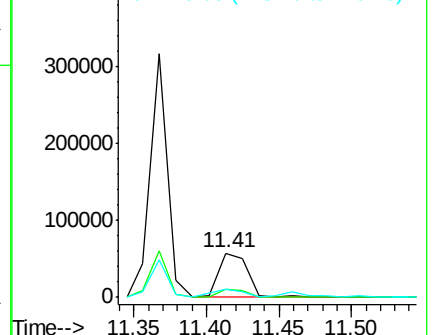
179 17.0 12.5 18.7



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: 2.98 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

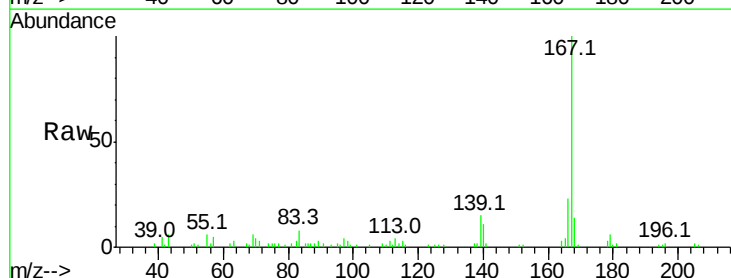
Tgt Ion:167 Resp: 29444

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

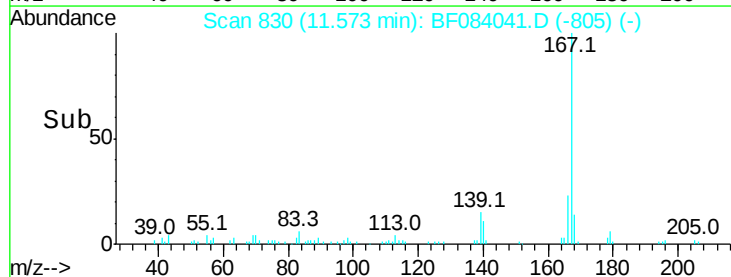
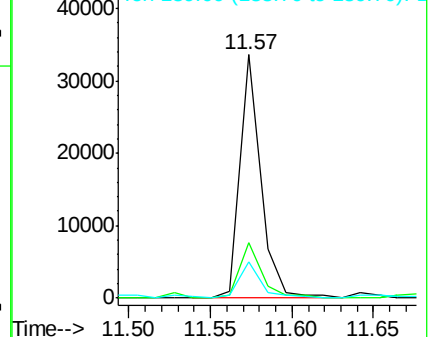
139 15.0 11.8 17.8

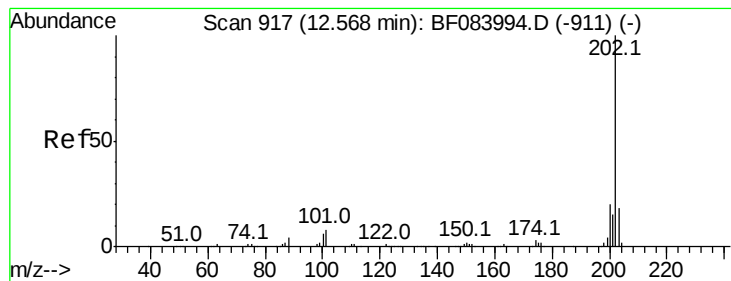


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 35.95 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

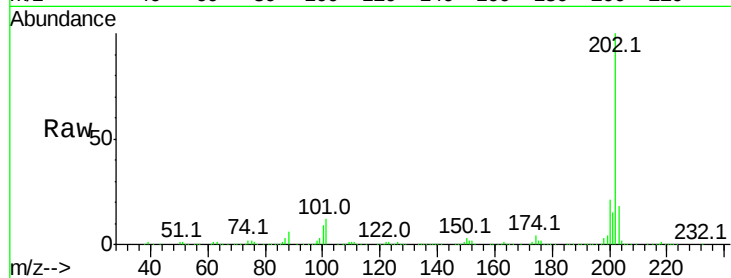
Tot Ion:202 Resp: 370805

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.8

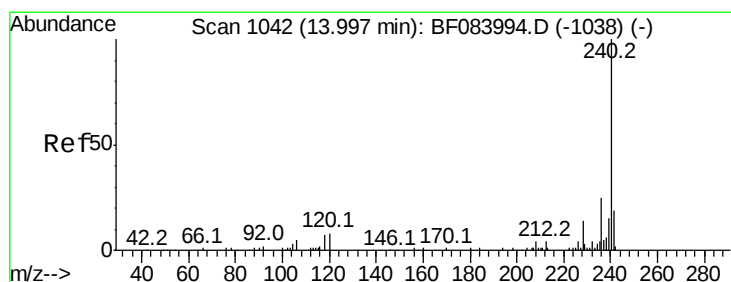
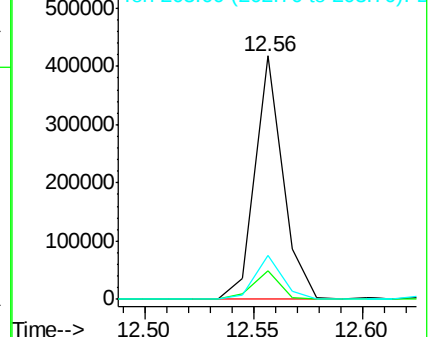
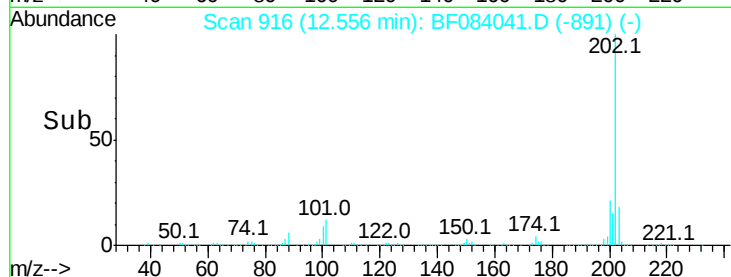
203 17.8 0.0 37.9



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

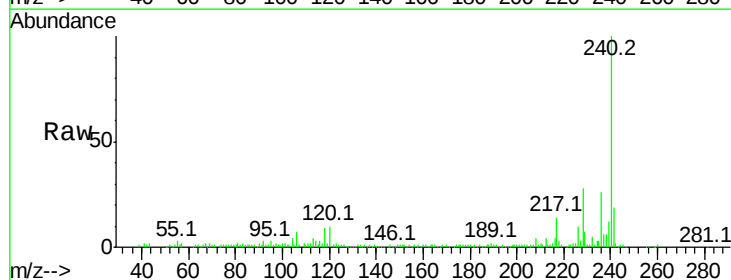
Tgt Ion:240 Resp: 113285

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

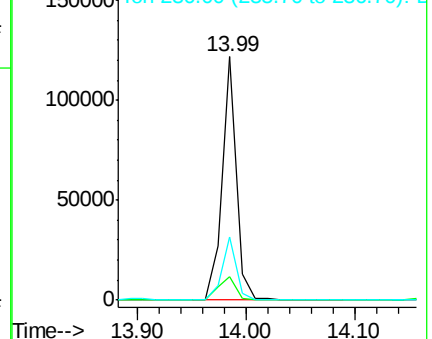
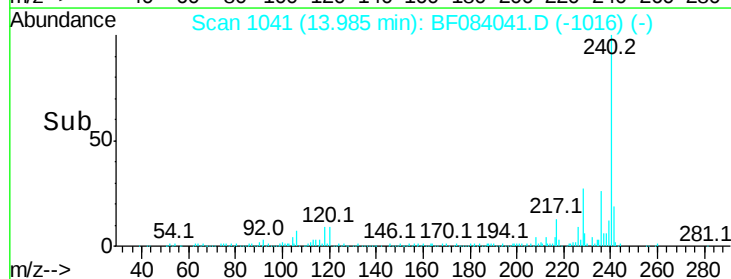
236 25.8 20.6 31.0

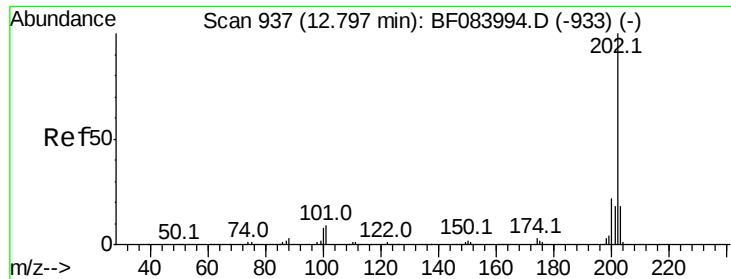


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 44.57 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

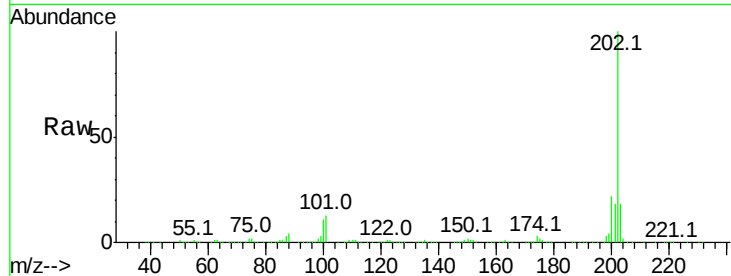
Tot Ion:202 Resp: 342550

Ion Ratio Lower Upper

202 100

200 21.9 17.2 25.8

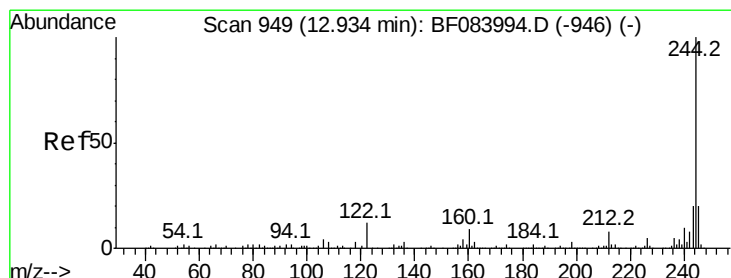
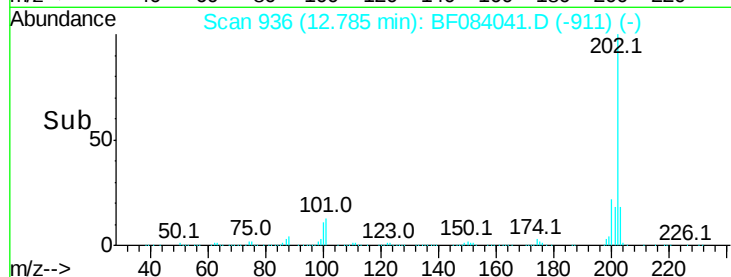
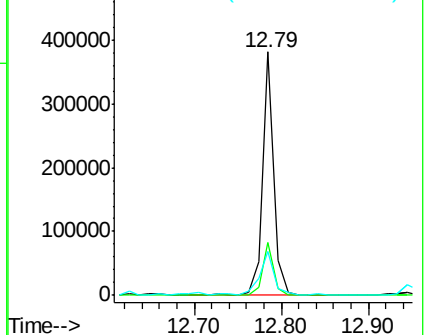
203 17.9 14.3 21.5



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: 125.04 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

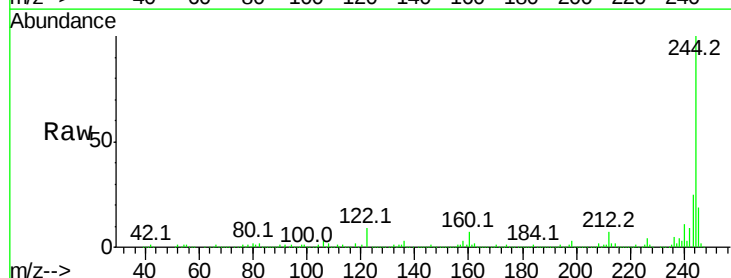
Tgt Ion:244 Resp: 593972

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

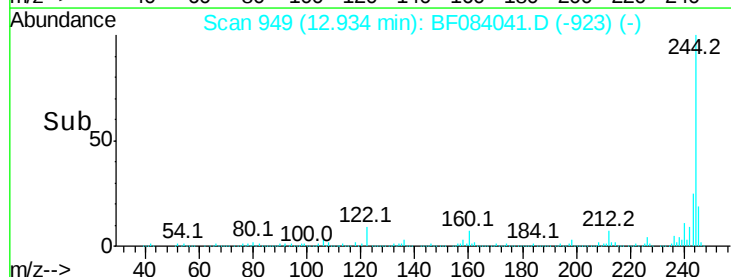
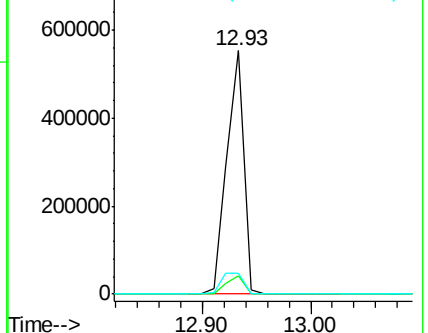
122 8.7 7.4 11.0

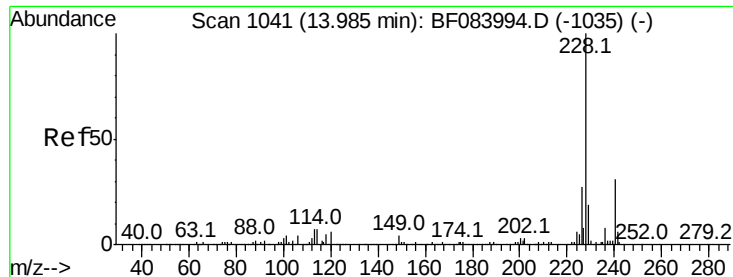


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

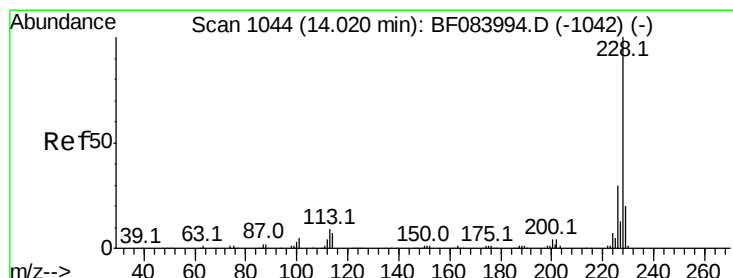
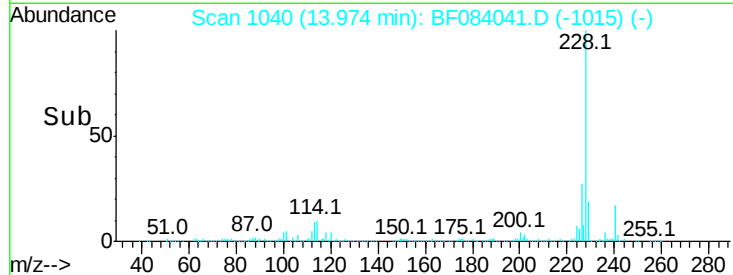
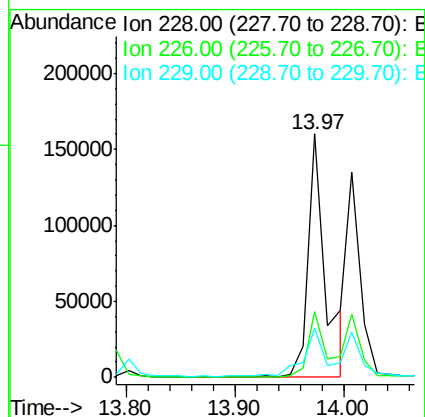
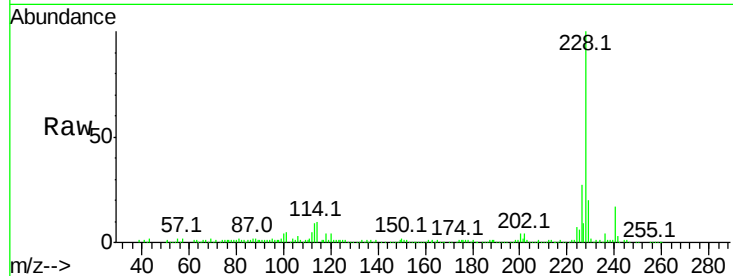




#80
Benzo(a)anthracene
Concen: 27.33 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

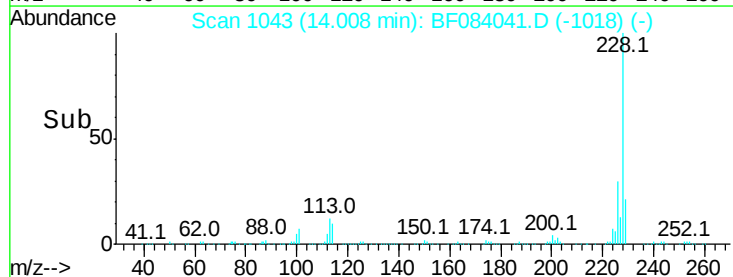
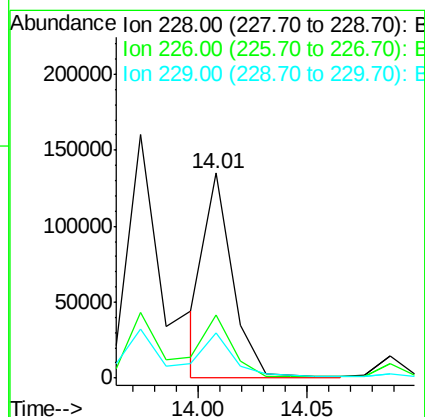
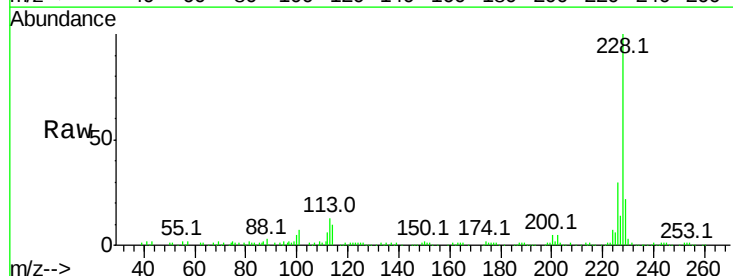
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

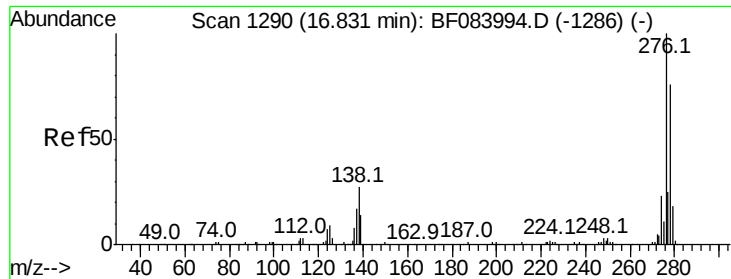
Tot Ion:228 Resp: 178539
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.6
229 20.0 15.8 23.8



#82
Chrysene
Concen: 19.65 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

Tgt Ion:228 Resp: 119166
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.3 16.1 24.1

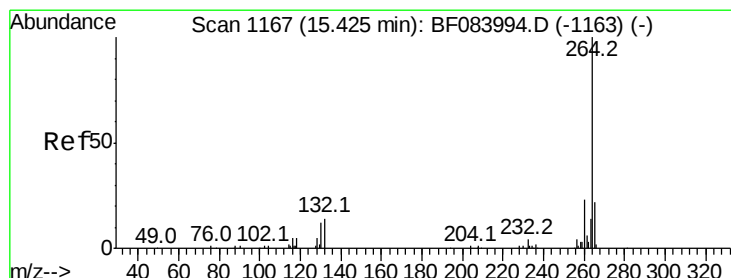
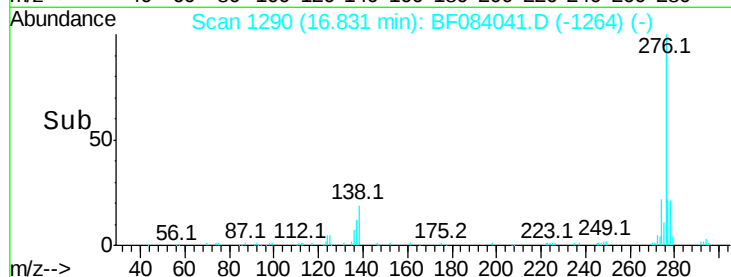
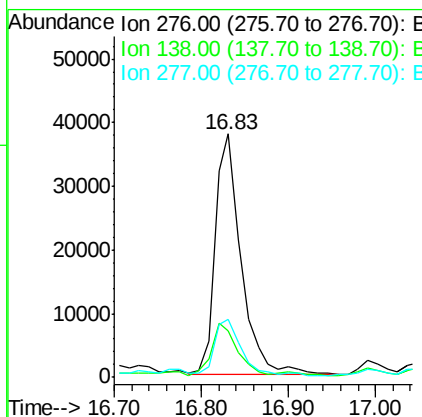
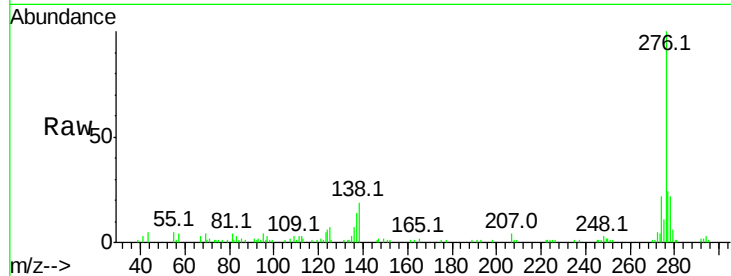




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.77 ng
 RT: 16.83 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

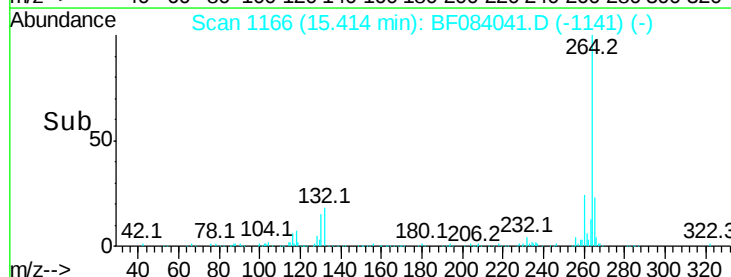
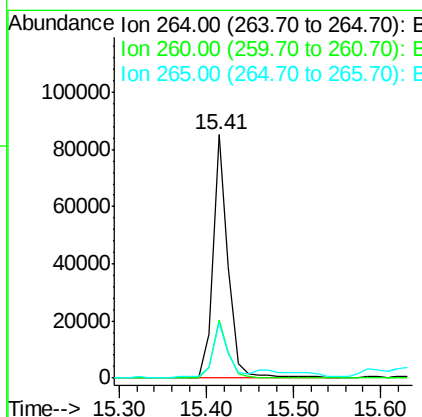
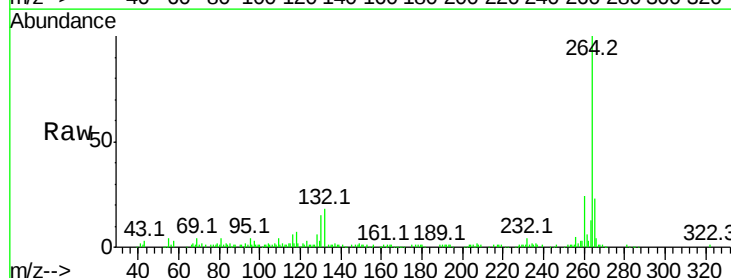
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-1(0-2)

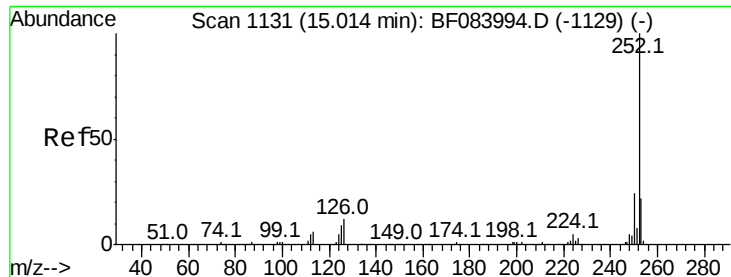
Tot Ion:276 Resp: 79090
 Ion Ratio Lower Upper
 276 100
 138 21.3 20.6 30.8
 277 24.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084041.D
 Acq: 23 Dec 2015 18:48

Tgt Ion:264 Resp: 103362
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 22.8 17.8 26.6

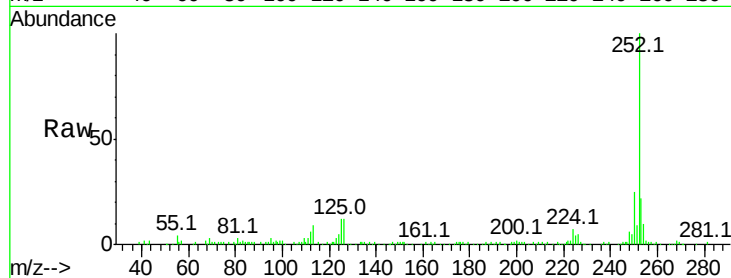




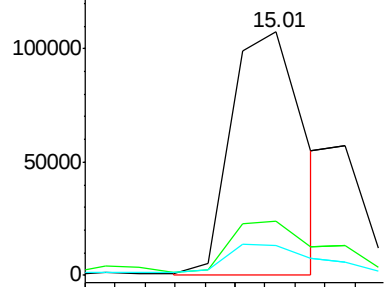
#87
Benzo(b)fluoranthene
Concen: 28.12 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

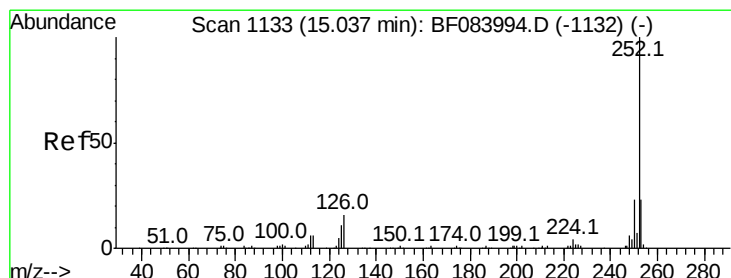
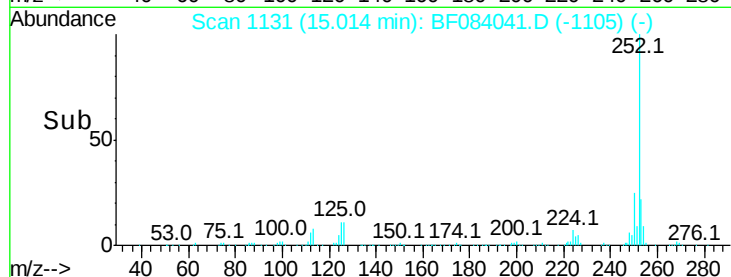
Tot Ion:252 Resp: 183215
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 12.1 6.5 9.7#



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

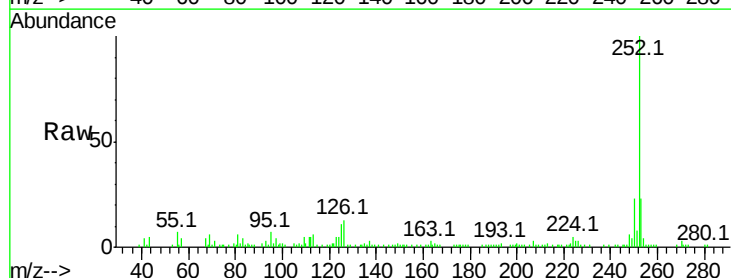


Time--> 14.95

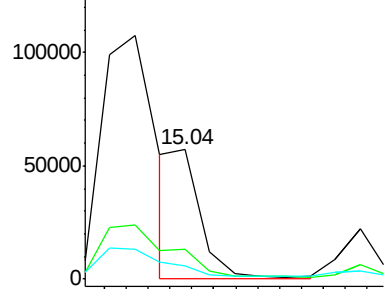


#88
Benzo(k)fluoranthene
Concen: 8.32 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

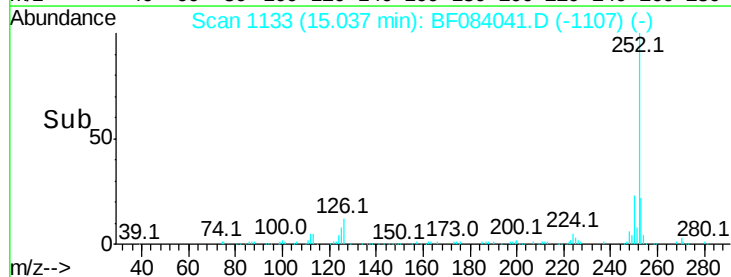
Tgt Ion:252 Resp: 51578
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.5 9.0 13.6

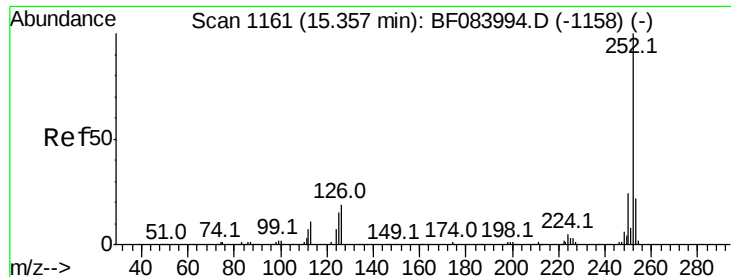


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 15.00

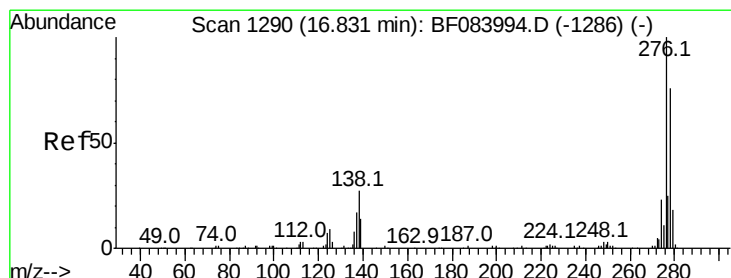
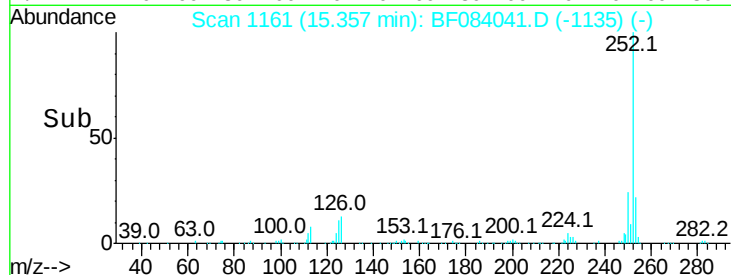
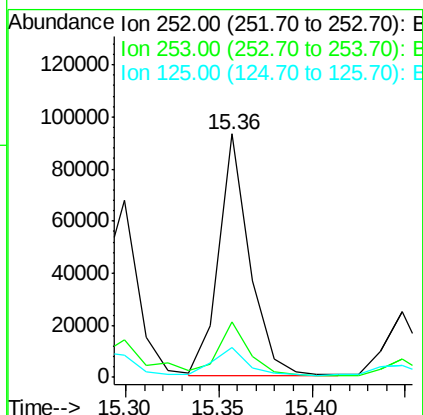
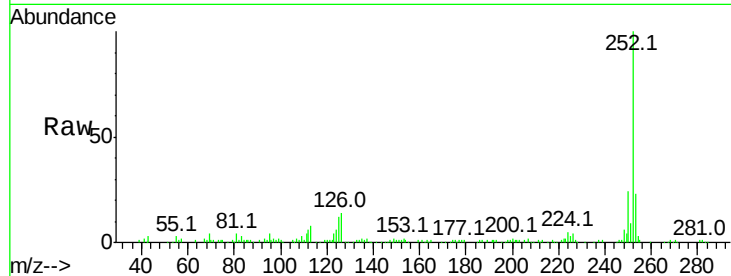




#89
Benzo(a)pyrene
Concen: 17.84 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

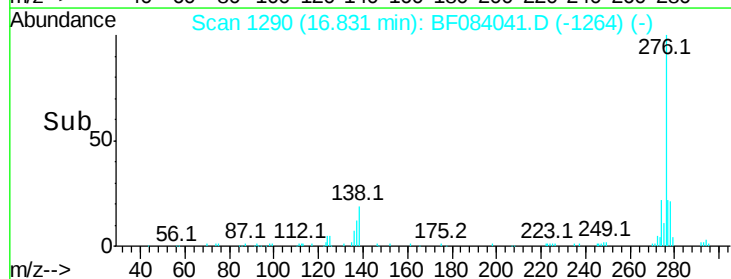
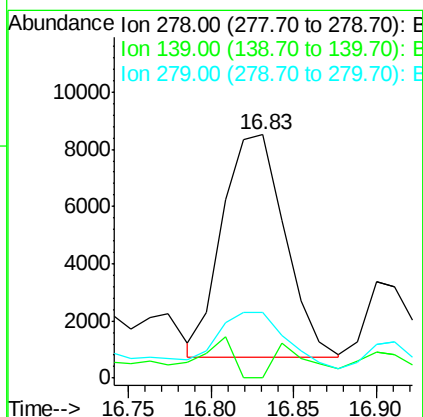
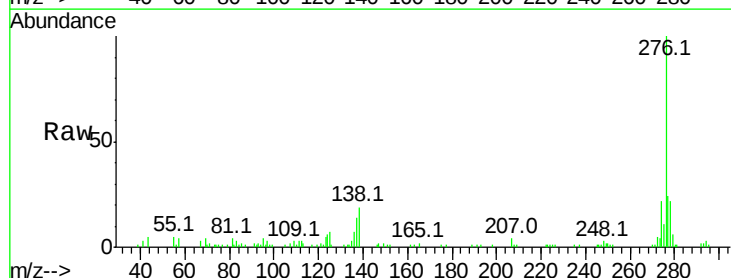
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

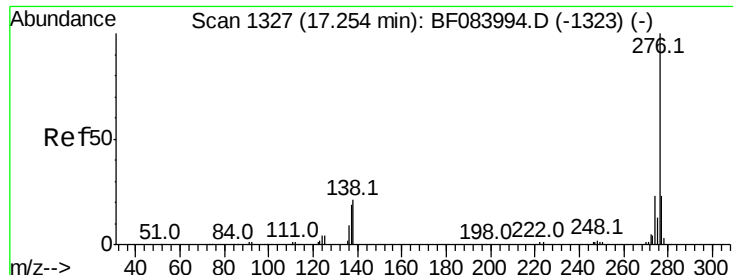
Tot Ion:252 Resp: 107675
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.2 7.0 10.4#



#90
Dibenzo(a,h)anthracene
Concen: 4.09 ng m
RT: 16.83 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BF084041.D
Acq: 23 Dec 2015 18:48

Tgt Ion:278 Resp: 20442
Ion Ratio Lower Upper
278 100
139 0.0 15.0 22.4#
279 26.9 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 14.62 ng

RT: 17.25 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF084041.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-1(0-2)

Tot Ion:276 Resp: 73964

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 21.2 17.8 26.6

