

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
 Data File : BF084042.D
 Acq On : 23 Dec 2015 19:16
 Operator : UM/SJ
 Sample : G4912-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Dec 24 01:05:20 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

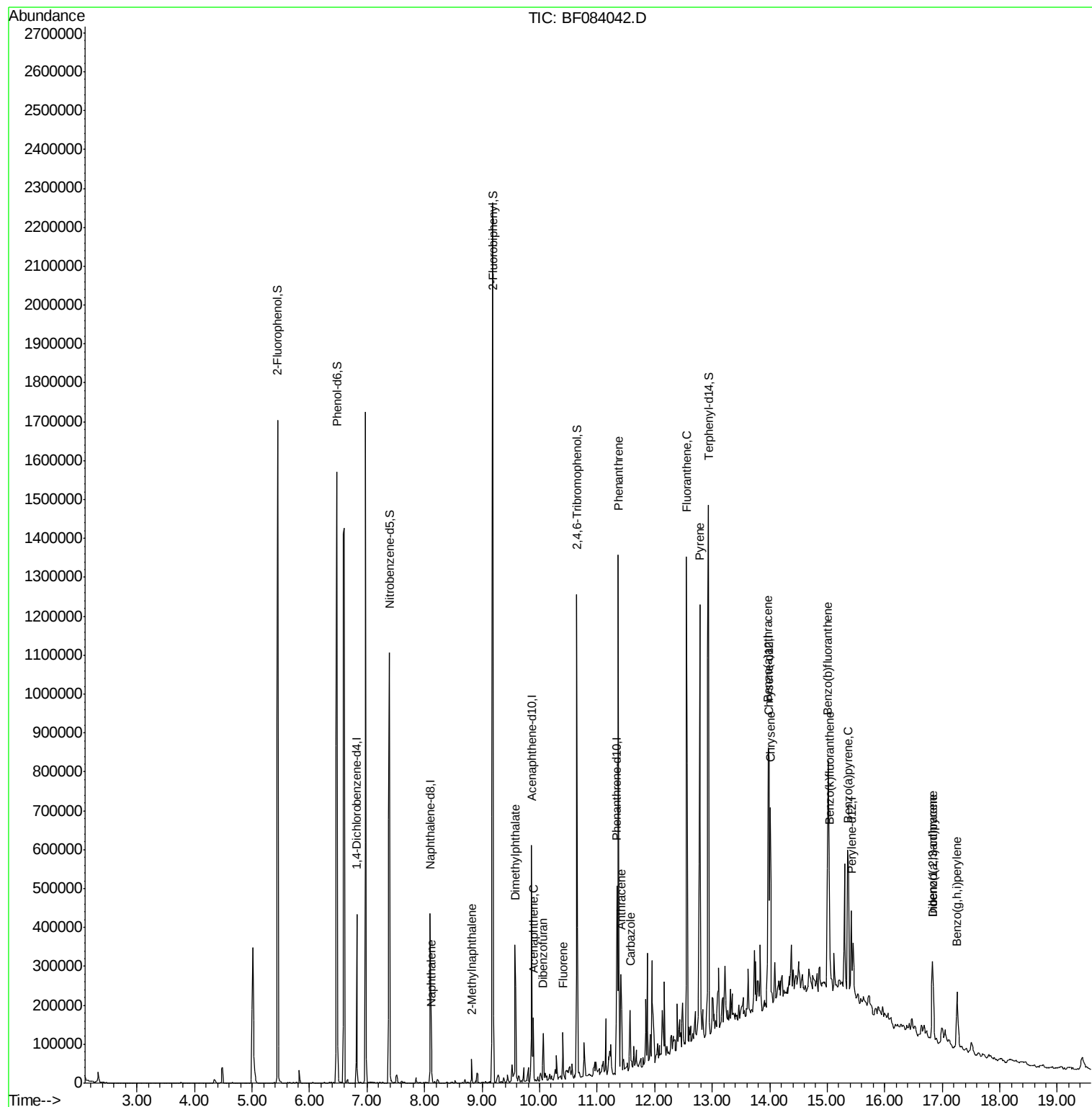
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62756	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	235683	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	113521	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	174702	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	112751	20.00	ng	-0.01
86) Perylene-d12	15.43	264	114441	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	559535	152.02	ng	0.01
7) Phenol-d6	6.48	99	646040	149.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	467621	121.89	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	161183	147.62	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	725133	85.97	ng	-0.01
78) Terphenyl-d14	12.93	244	543484	114.95	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	39449	3.28	ng	99
37) 2-Methylnaphthalene	8.82	142	16613	2.13	ng	97
49) Dimethylphthalate	9.57	163	196493	22.12	ng	# 90
51) Acenaphthene	9.89	154	38910	5.72	ng	96
54) Dibenzofuran	10.06	168	43158	4.24	ng	99
57) Fluorene	10.41	166	36343	4.51	ng	98
70) Phenanthrene	11.37	178	493753	50.00	ng	99
71) Anthracene	11.41	178	123085	12.27	ng	98
72) Carbazole	11.57	167	53731	5.73	ng	99
74) Fluoranthene	12.56	202	623446	63.67	ng	98
77) Pyrene	12.78	202	564616	73.81	ng	99
80) Benzo(a)anthracene	13.97	228	298972	45.98	ng	99
82) Chrysene	14.01	228	216865	35.93	ng	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	135754	27.19	ng	95
87) Benzo(b)fluoranthene	15.01	252	313366m	43.43	ng	
88) Benzo(k)fluoranthene	15.04	252	118972m	17.34	ng	
89) Benzo(a)pyrene	15.37	252	210114	31.44	ng	98
90) Dibenzo(a,h)anthracene	16.83	278	35902m	6.48	ng	
91) Benzo(a,h,i)perylene	17.25	276	123119	21.98	ng	98

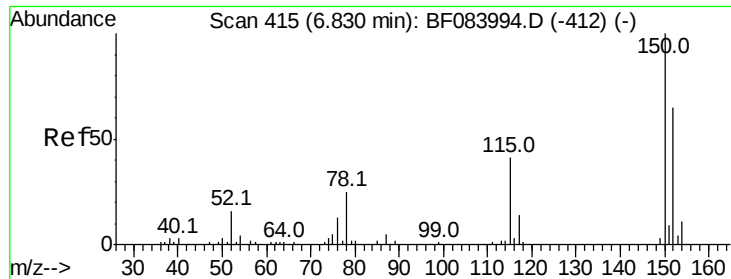
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

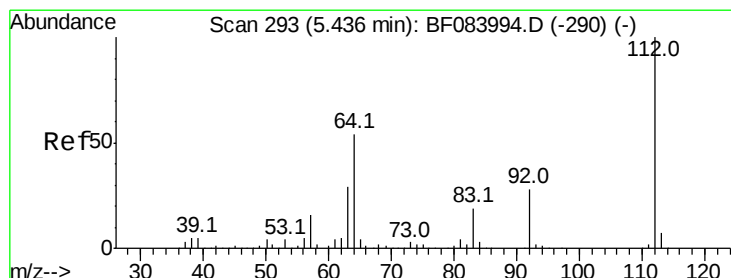
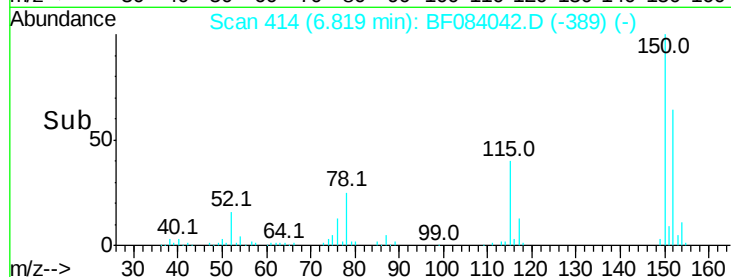
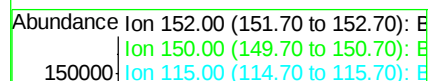
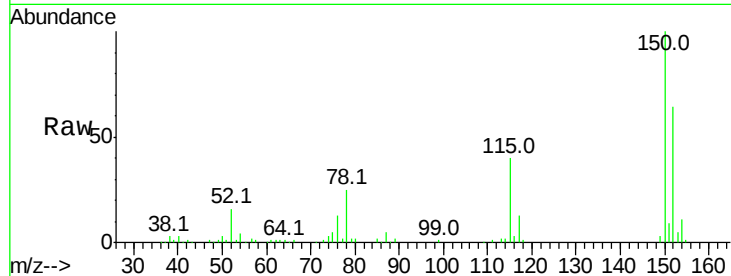
Tot Ion:152 Resp: 62756

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

115 62.8 51.4 77.2



#5

2-Fluorophenol

Concen: 152.02 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

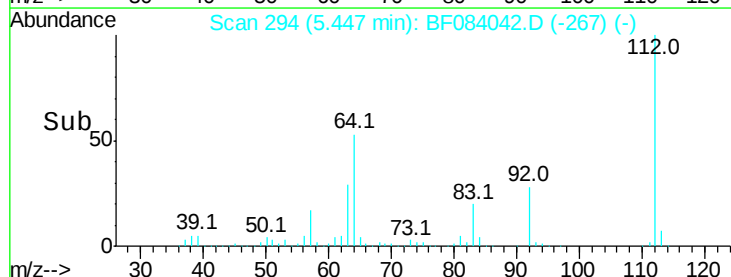
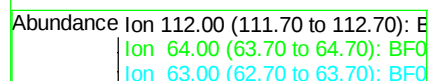
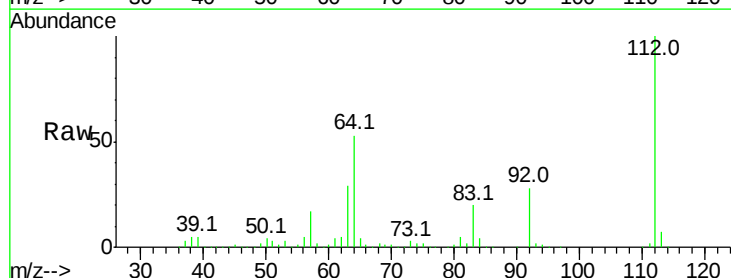
Tgt Ion:112 Resp: 559535

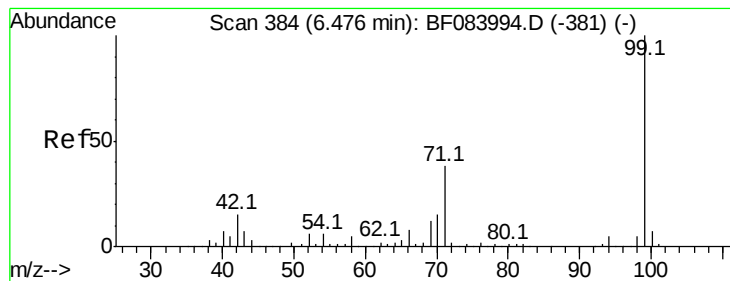
Ion Ratio Lower Upper

112 100

64 52.6 36.6 55.0

63 29.3 19.4 29.0#





#7

Phenol-d6

Concen: 149.28 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

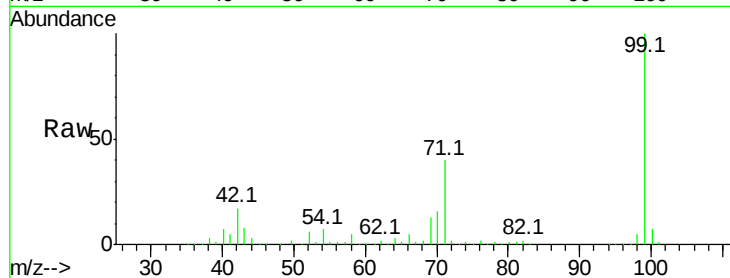
Tot Ion: 99 Resp: 646040

Ion Ratio Lower Upper

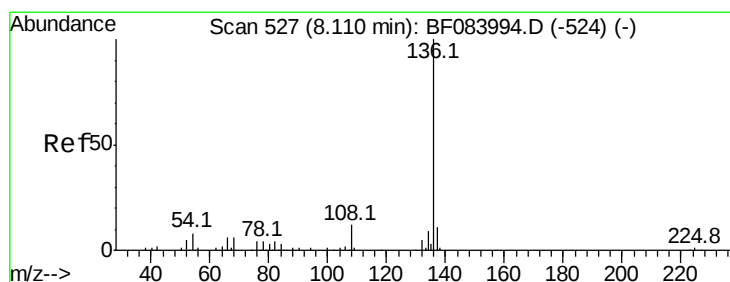
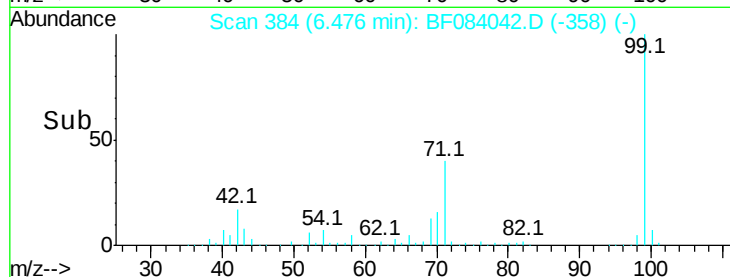
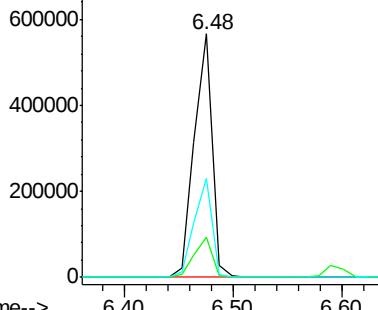
99 100

42 16.6 12.8 19.2

71 40.5 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: BF084042.D

Acq: 23 Dec 2015 19:16

Tgt Ion: 136 Resp: 235683

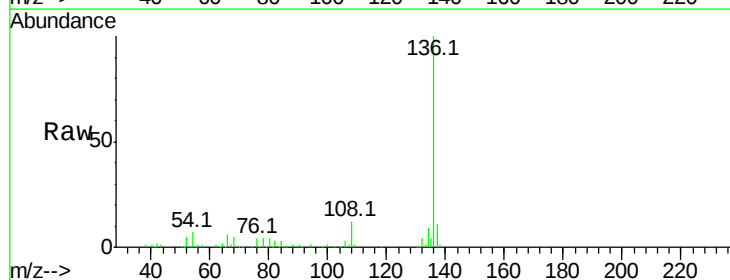
Ion Ratio Lower Upper

136 100

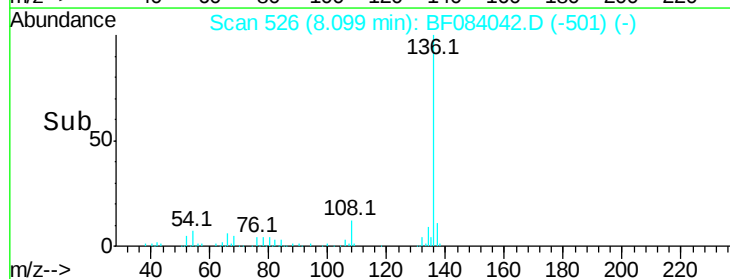
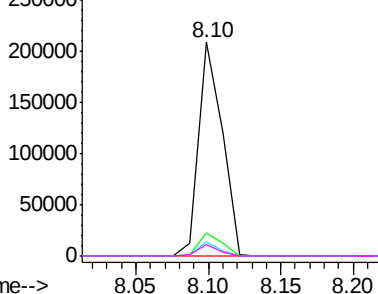
137 11.1 8.7 13.1

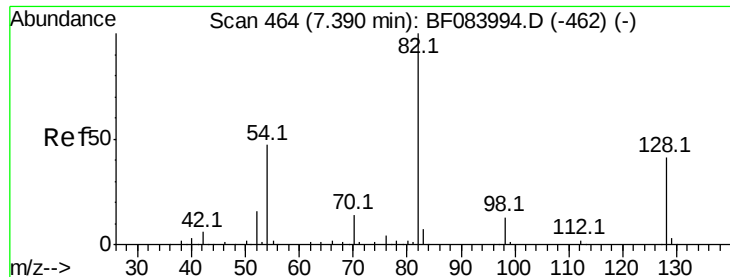
54 6.8 5.8 8.8

68 5.3 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

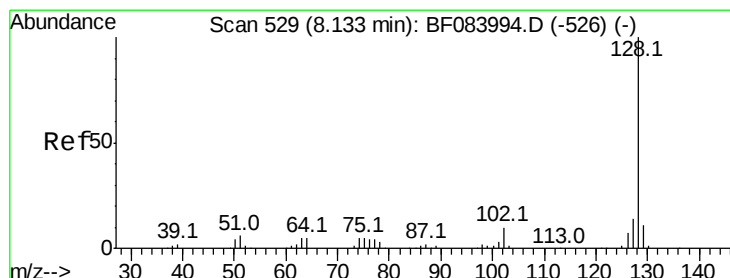
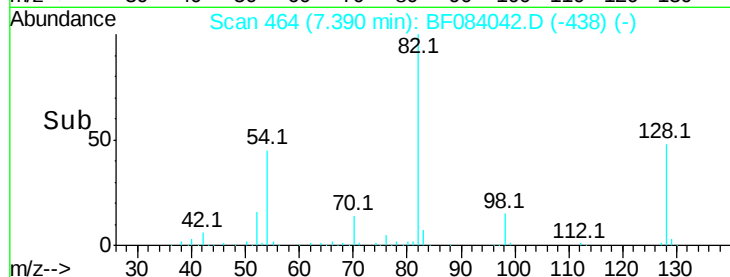
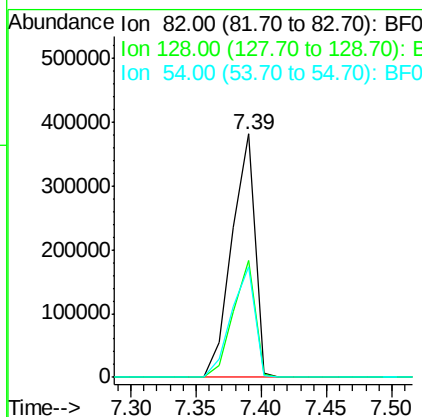
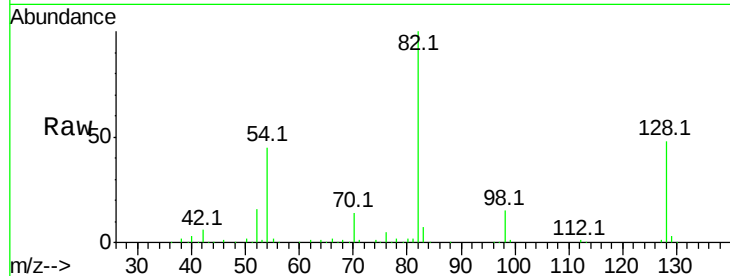




#23
 Nitrobenzene-d5
 Concen: 121.89 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084042.D
 Acq: 23 Dec 2015 19:16

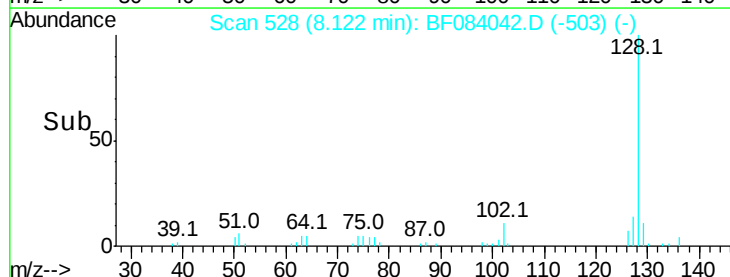
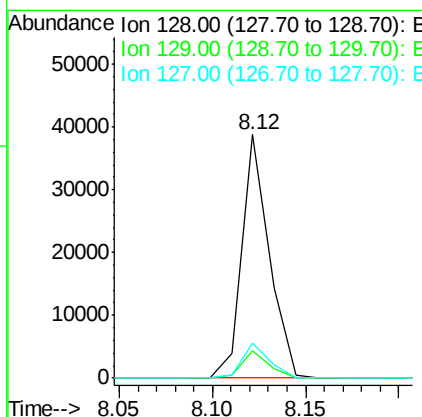
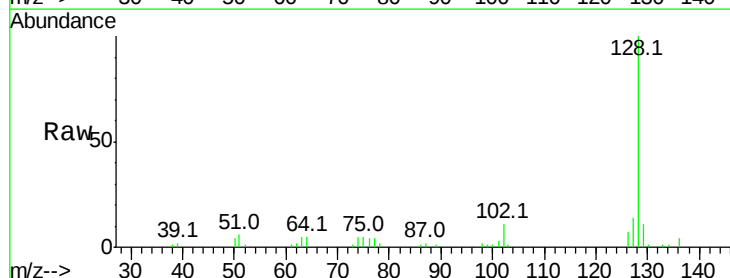
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2(0-2)

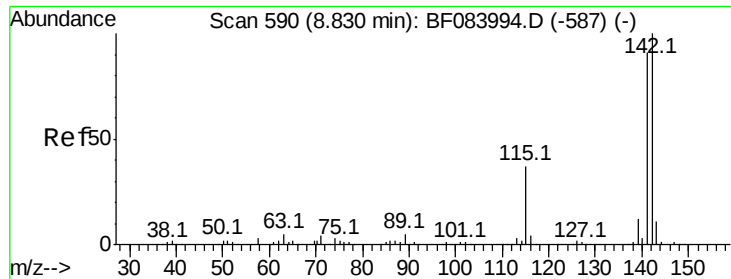
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.6	51.8
54	45.2	38.4	57.6



#31
 Naphthalene
 Concen: 3.28 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: BF084042.D
 Acq: 23 Dec 2015 19:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	14.1	11.1	16.7

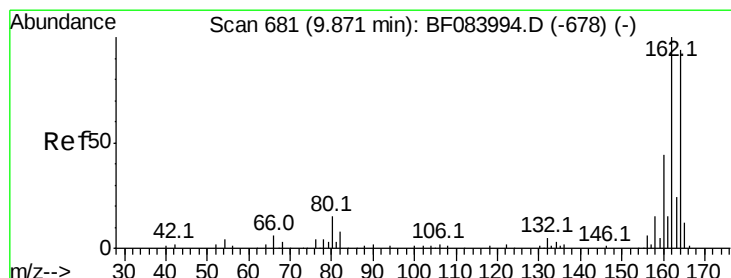
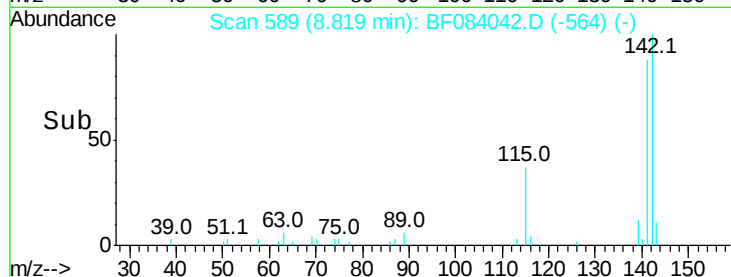
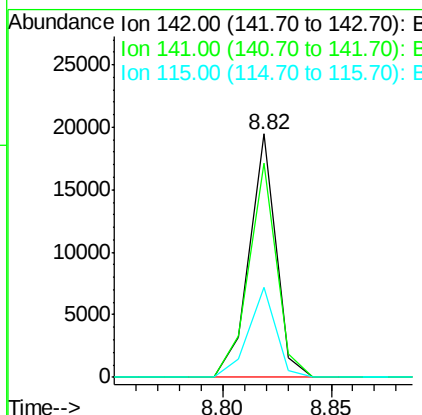
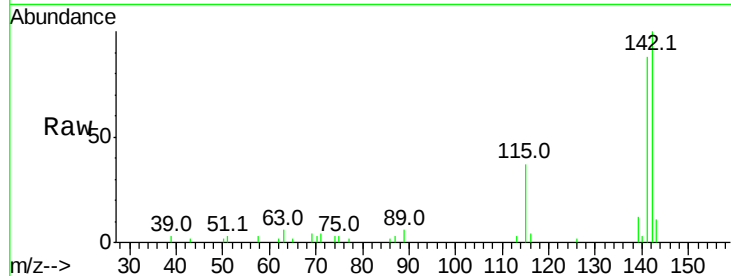




#37
2-Methylnaphthalene
Concen: 2.13 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

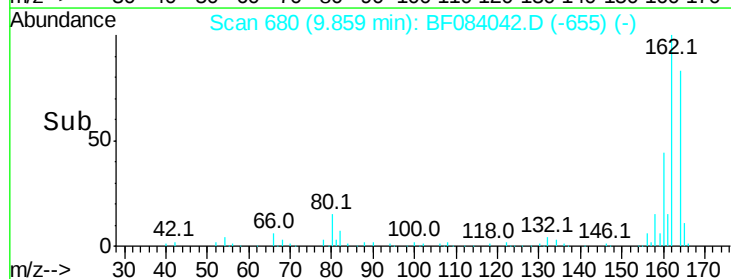
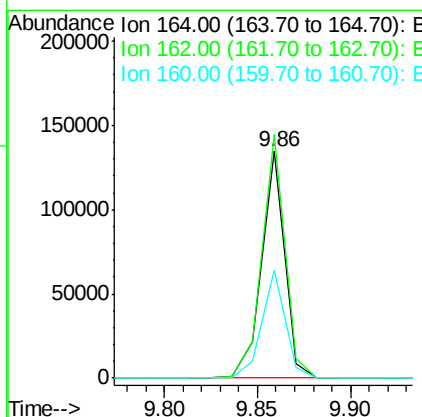
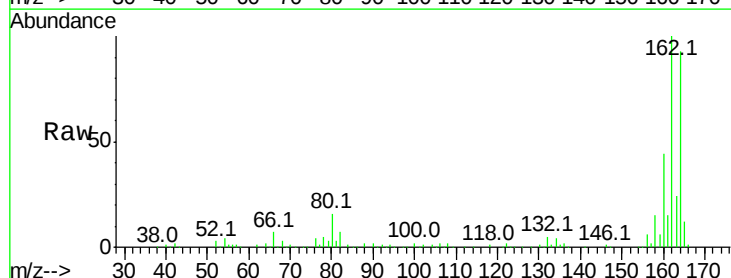
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2(0-2)

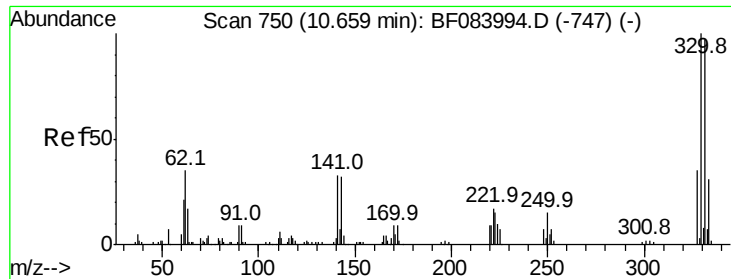
Tot Ion:142 Resp: 16613
Ion Ratio Lower Upper
142 100
141 87.8 72.4 108.6
115 36.8 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:164 Resp: 113521
Ion Ratio Lower Upper
164 100
162 107.3 85.1 127.7
160 47.4 37.5 56.3

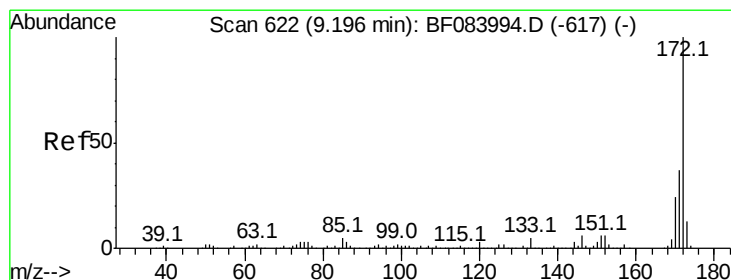
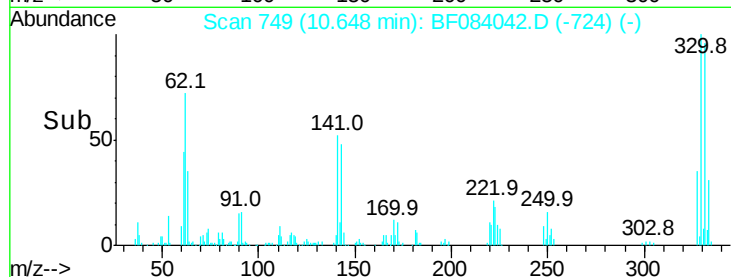
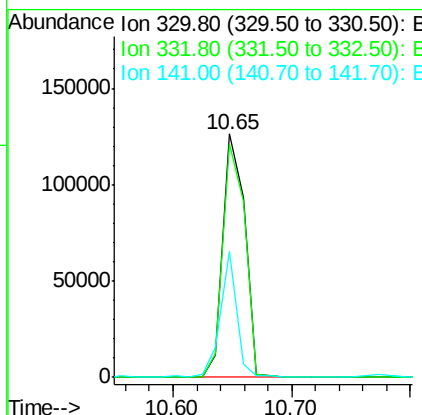
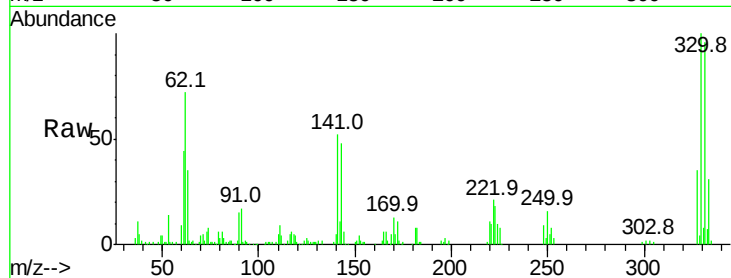




#41
 2,4,6-Tribromophenol
 Concen: 147.62 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF084042.D
 Acq: 23 Dec 2015 19:16

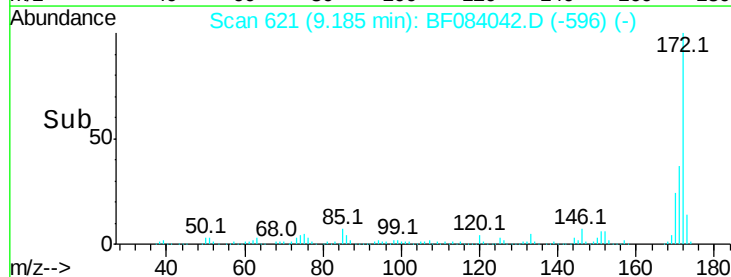
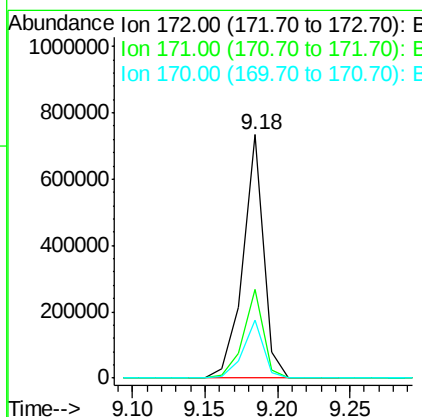
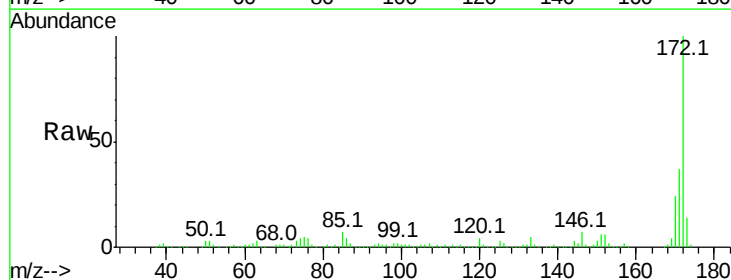
Instrument :
 BNA_F
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 STOCKPILE-2(0-2)

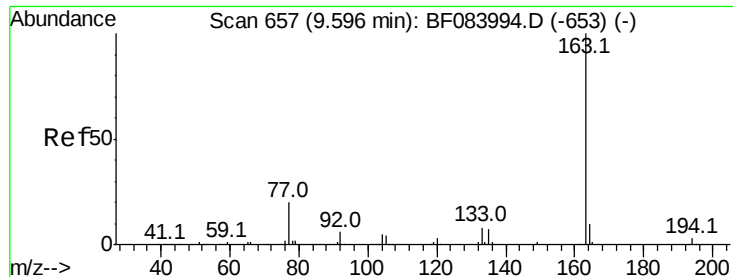
Tot Ion:330 Resp: 161183
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 39.1 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 85.97 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084042.D
 Acq: 23 Dec 2015 19:16

Tgt Ion:172 Resp: 725133
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.9 43.3
 170 23.9 18.6 27.8

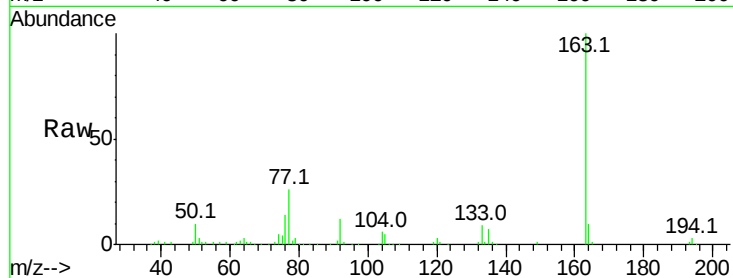




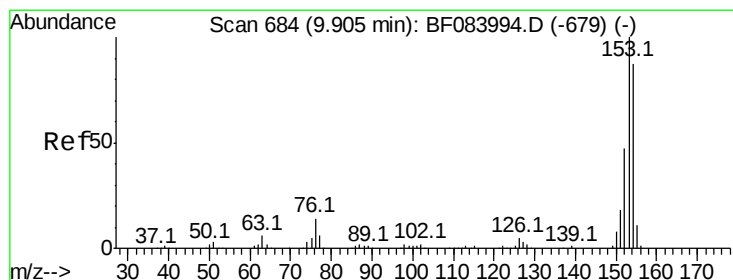
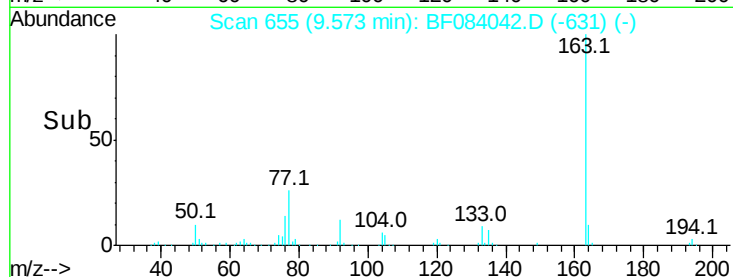
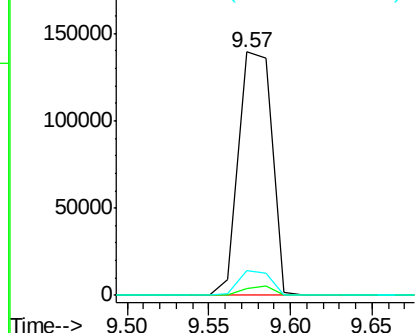
#49
Dimethylphthalate
Concen: 22.12 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

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

Tot Ion:163 Resp: 196493
Ion Ratio Lower Upper
163 100
194 2.9 8.0 12.0#
164 10.2 8.0 12.0

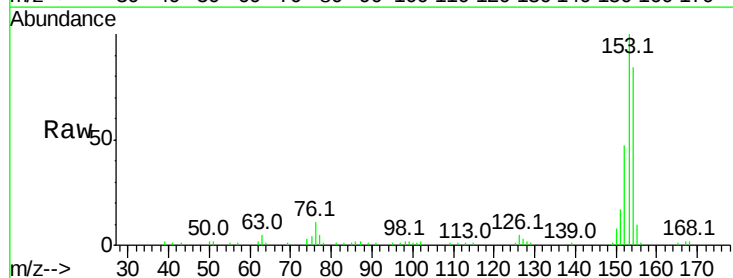


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

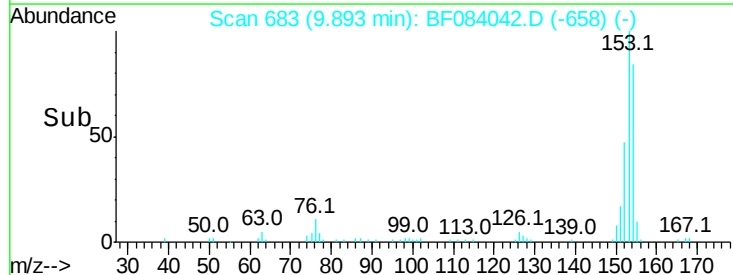
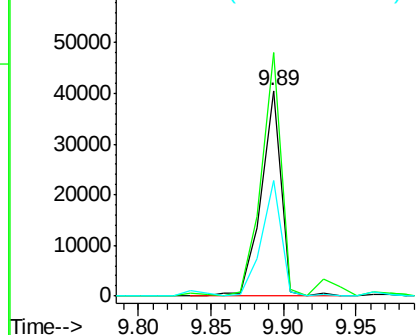


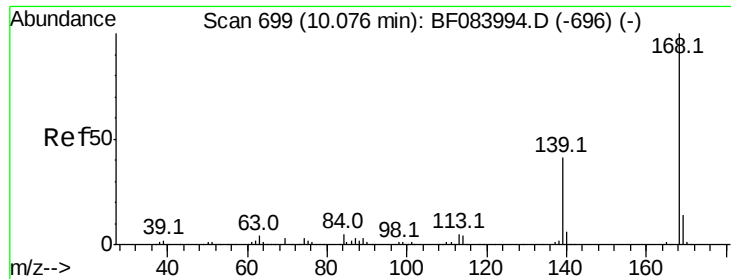
#51
Acenaphthene
Concen: 5.72 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:154 Resp: 38910
Ion Ratio Lower Upper
154 100
153 118.6 91.5 137.3
152 56.1 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

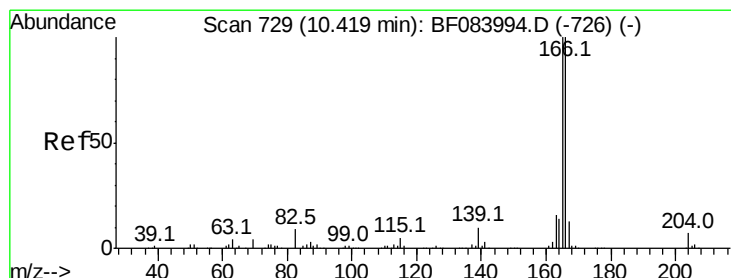
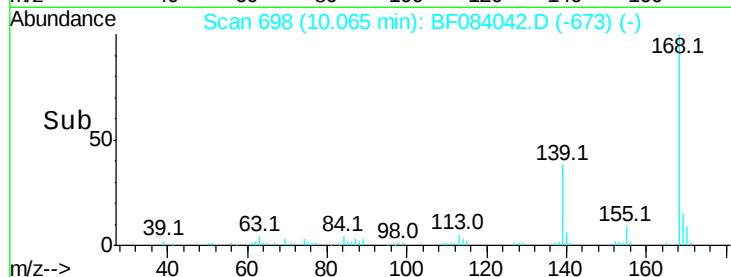
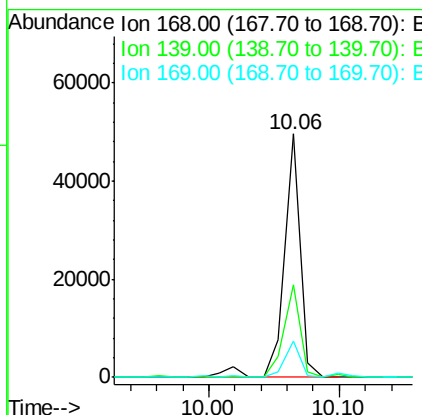
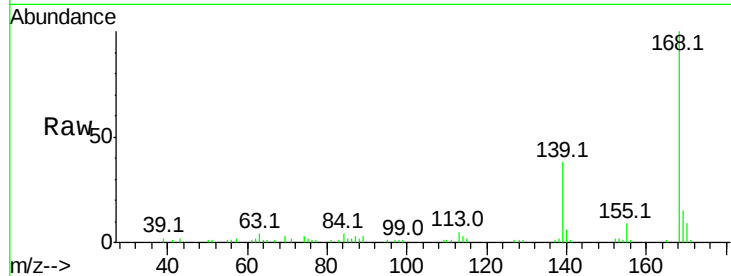




#54
Dibenzenofuran
Concen: 4.24 ng
RT: 10.06 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

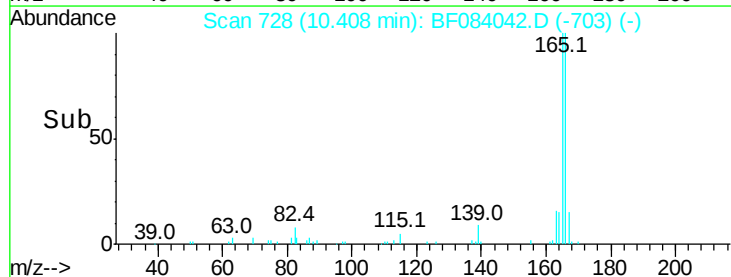
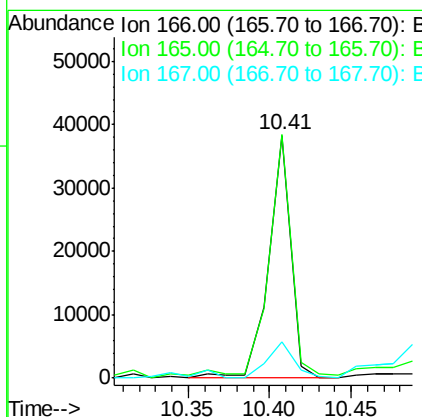
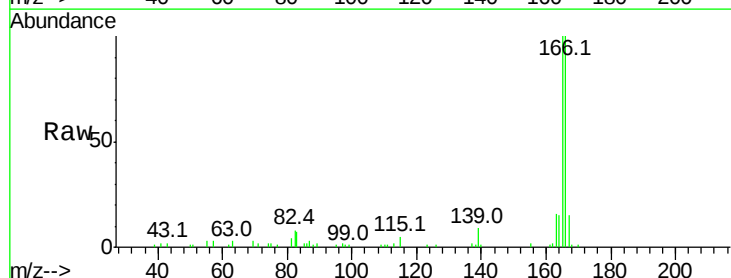
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2(0-2)

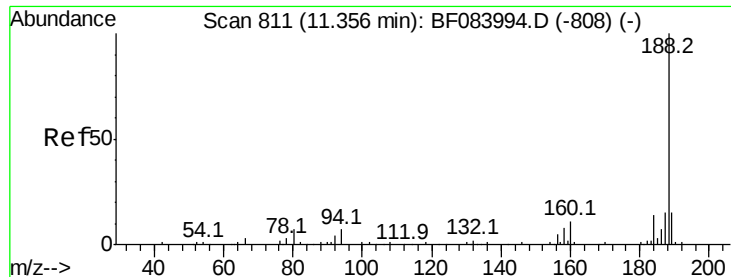
Tot Ion:168 Resp: 43158
Ion Ratio Lower Upper
168 100
139 38.2 30.5 45.7
169 15.1 10.4 15.6



#57
Fluorene
Concen: 4.51 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:166 Resp: 36343
Ion Ratio Lower Upper
166 100
165 100.4 79.1 118.7
167 14.7 10.4 15.6

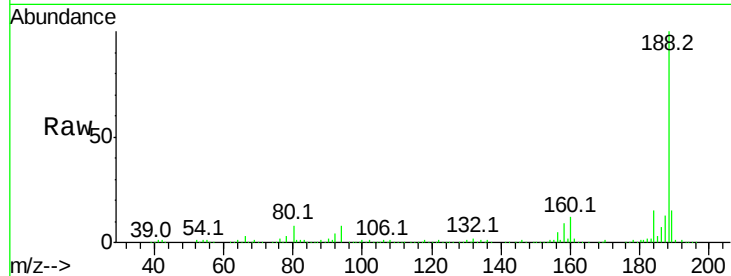




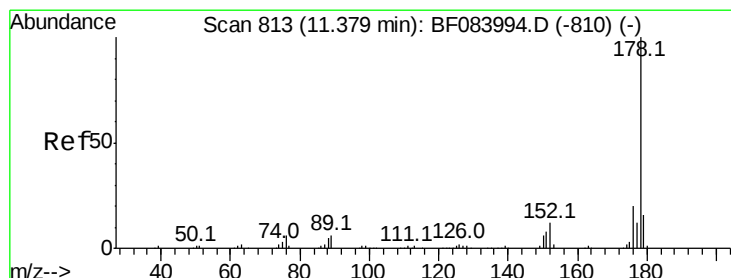
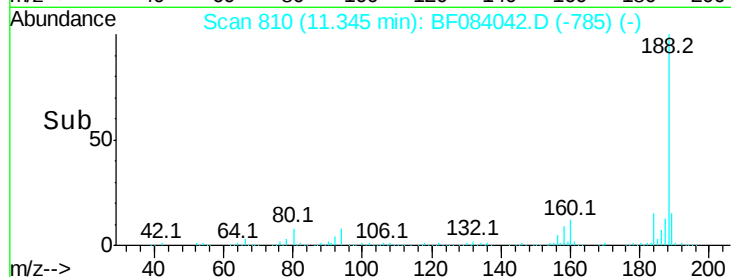
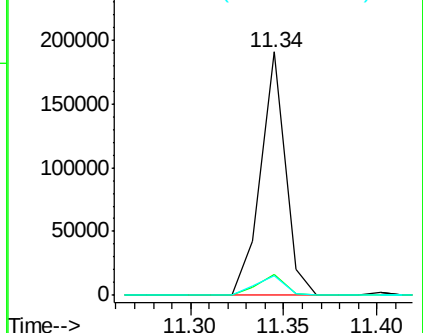
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

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

Tot Ion:188 Resp: 174702
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.4#
80 8.1 9.6 14.4#

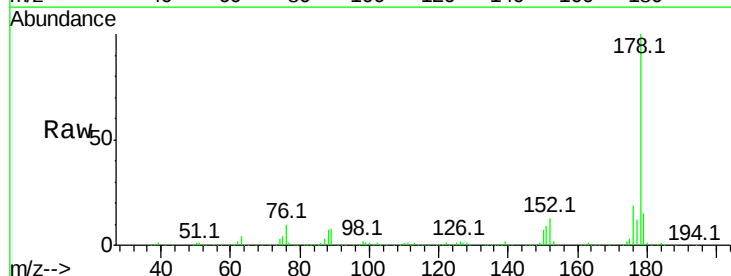


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

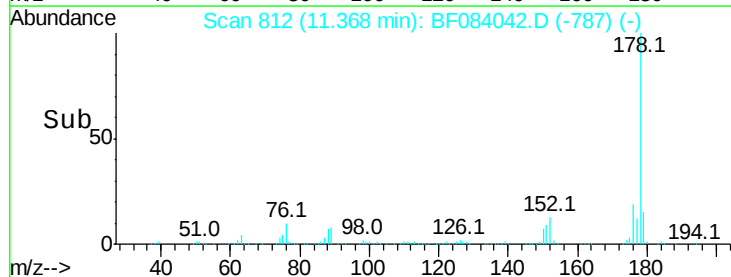
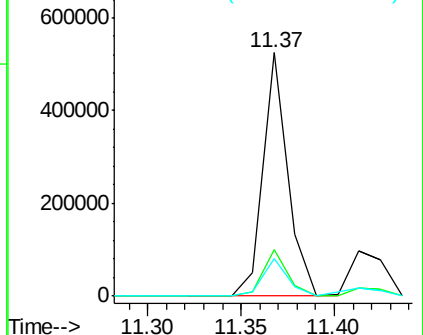


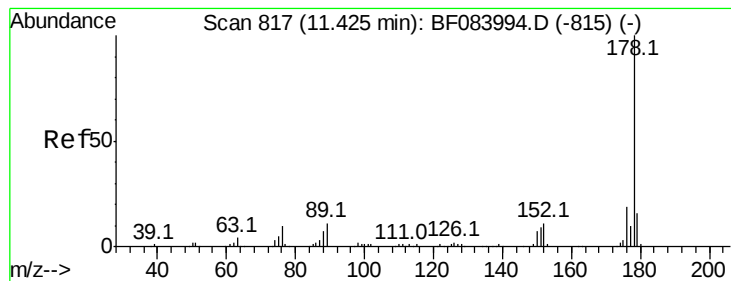
#70
Phenanthrene
Concen: 50.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:178 Resp: 493753
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 12.0 18.0



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: 12.27 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

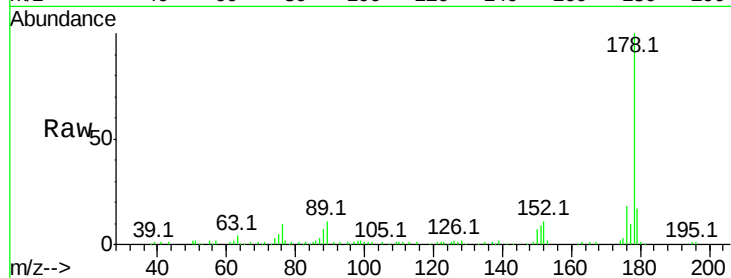
Tot Ion:178 Resp: 123085

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

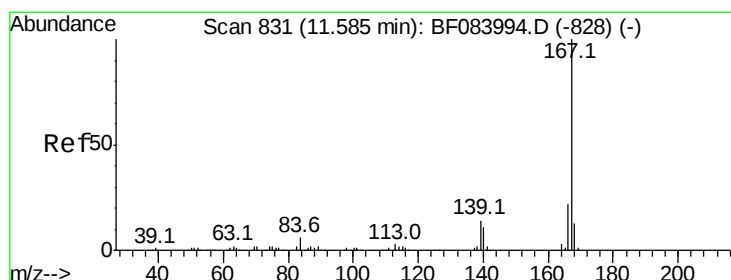
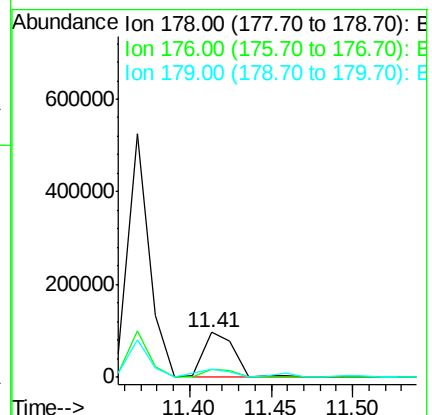
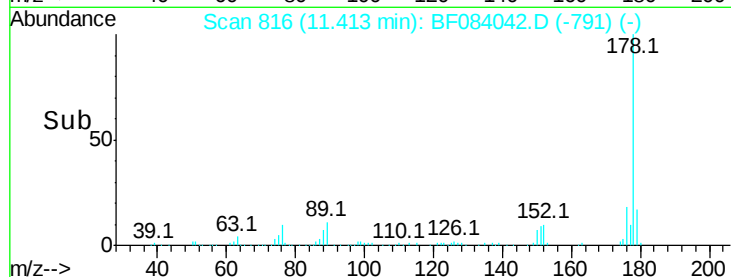
179 16.7 12.5 18.7



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: 5.73 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

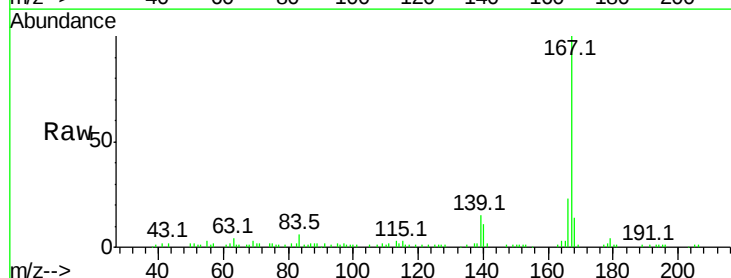
Tgt Ion:167 Resp: 53731

Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

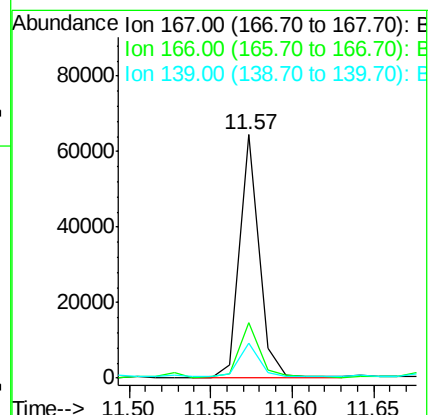
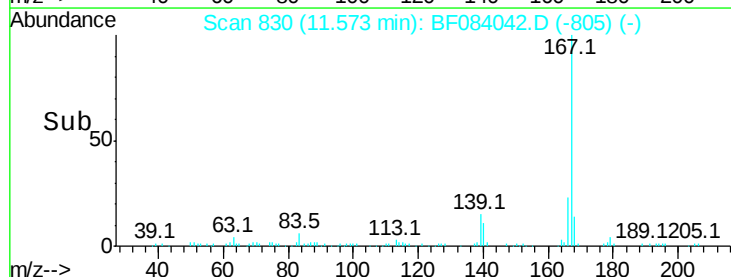
139 14.5 11.8 17.8

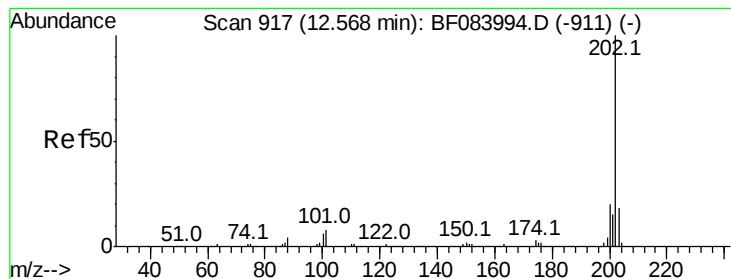


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 63.67 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

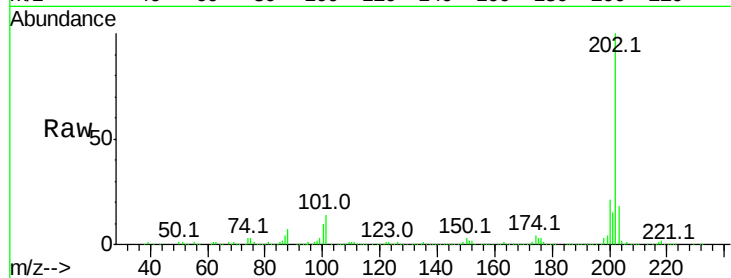
Tot Ion:202 Resp: 623446

Ion Ratio Lower Upper

202 100

101 13.6 0.0 32.8

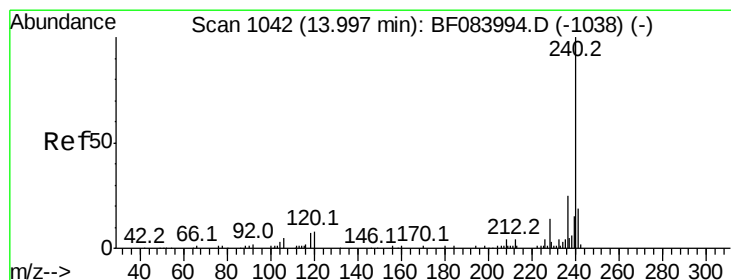
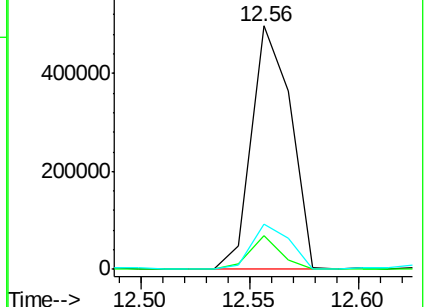
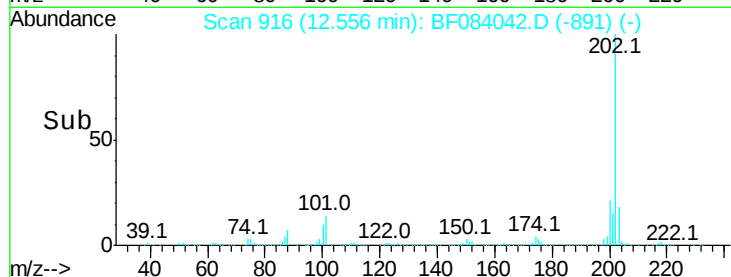
203 18.4 0.0 37.9



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: BF084042.D

Acq: 23 Dec 2015 19:16

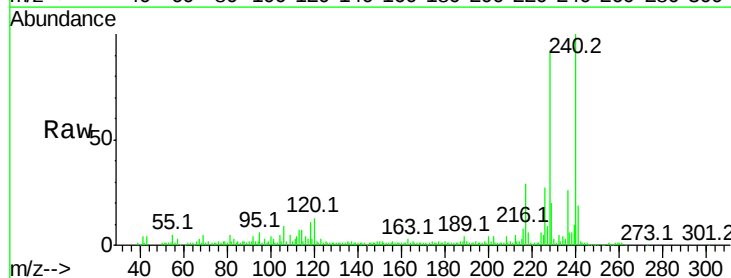
Tgt Ion:240 Resp: 112751

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

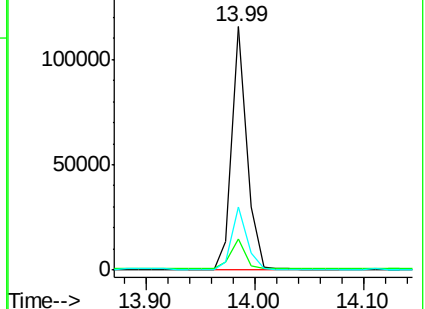
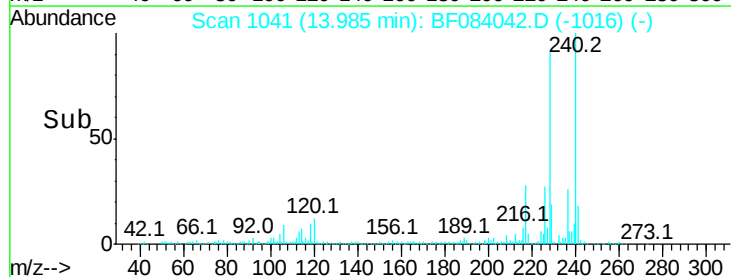
236 25.7 20.6 31.0

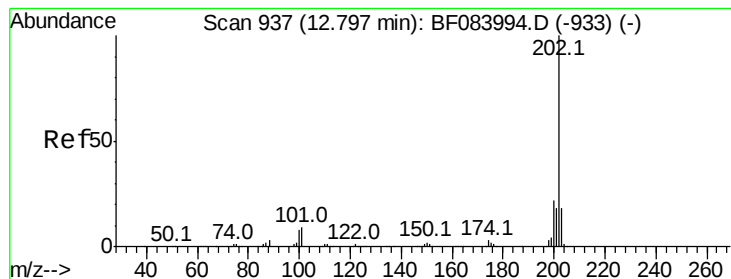


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 73.81 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

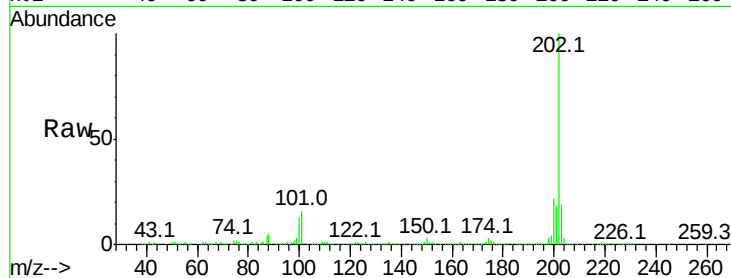
Tot Ion:202 Resp: 564616

Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

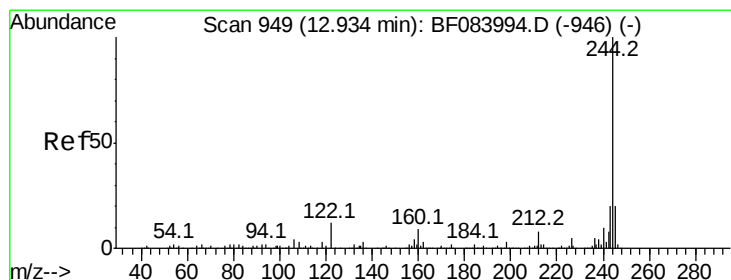
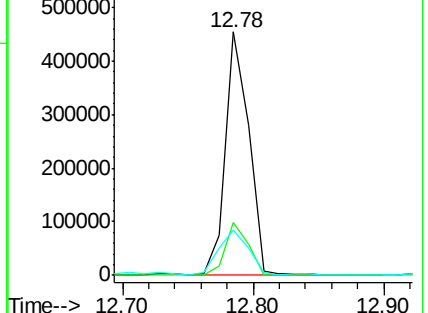
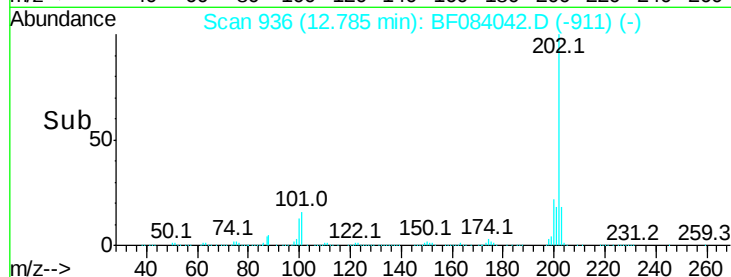
203 18.6 14.3 21.5



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: 114.95 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

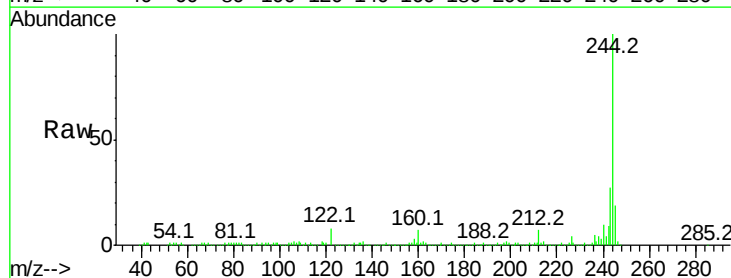
Tgt Ion:244 Resp: 543484

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

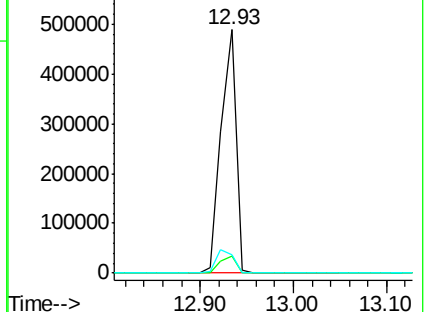
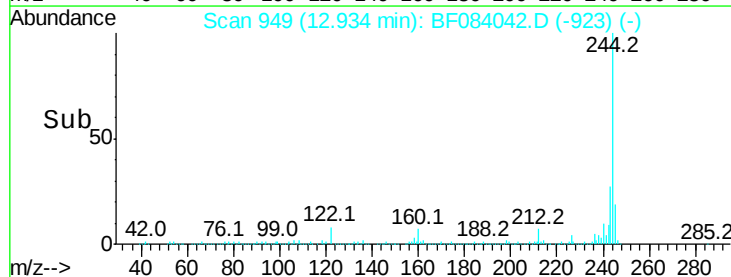
122 7.7 7.4 11.0

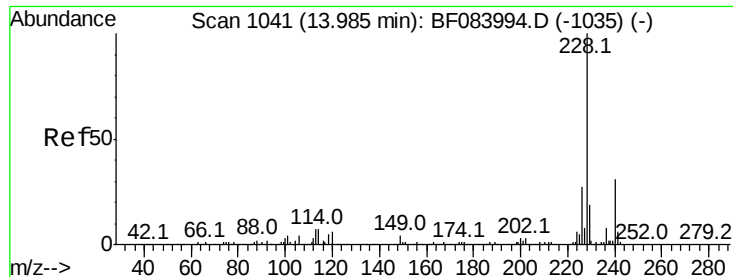


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

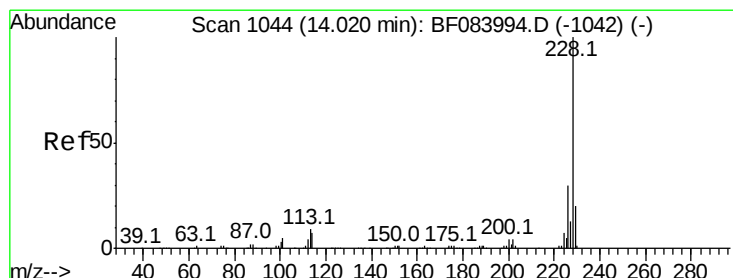
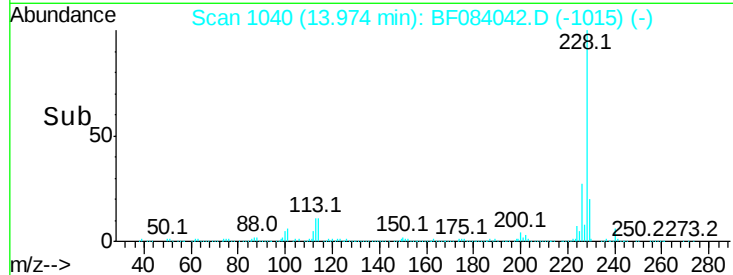
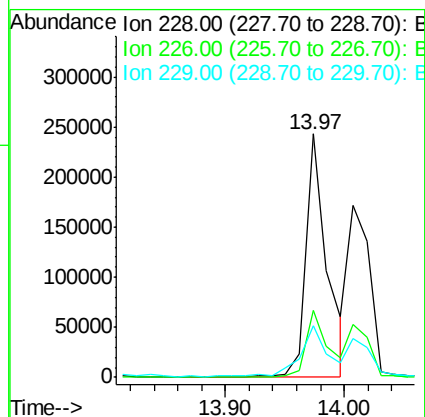
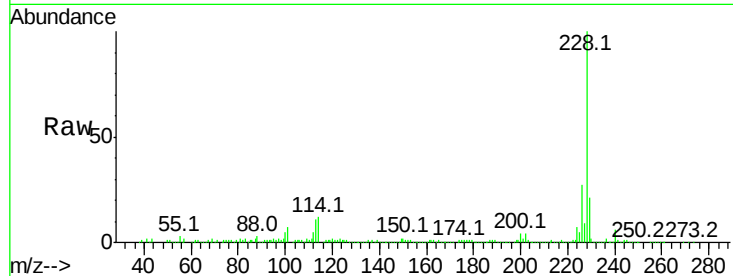




#80
Benzo(a)anthracene
Concen: 45.98 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

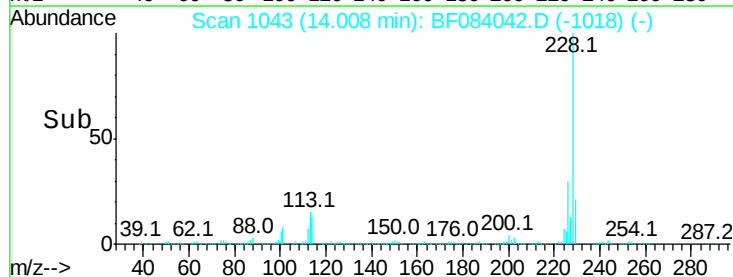
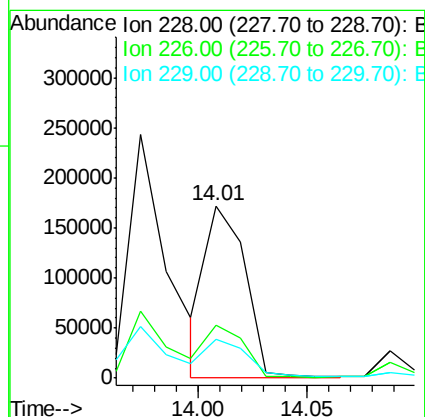
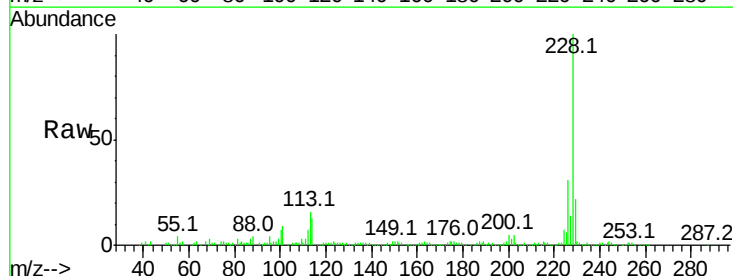
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2(0-2)

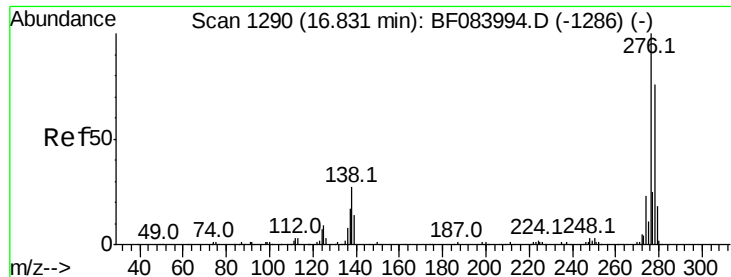
Tot Ion:228 Resp: 298972
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.6
229 21.0 15.8 23.8



#82
Chrysene
Concen: 35.93 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:228 Resp: 216865
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.2 16.1 24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 27.19 ng

RT: 16.83 min Scan# 1290

Delta R.T. -0.00 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

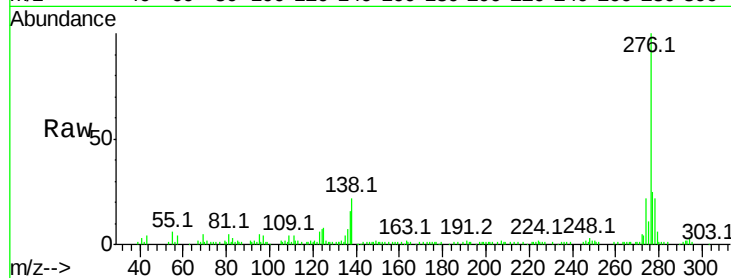
Tot Ion:276 Resp: 135754

Ion Ratio Lower Upper

276 100

138 21.7 20.6 30.8

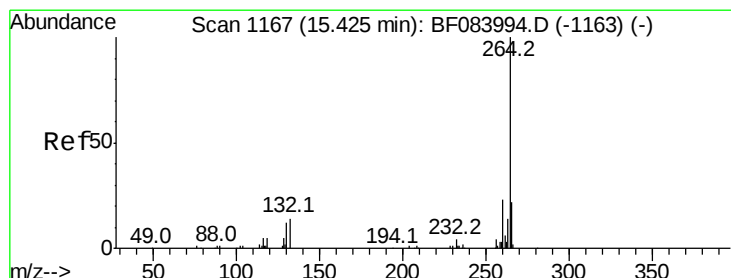
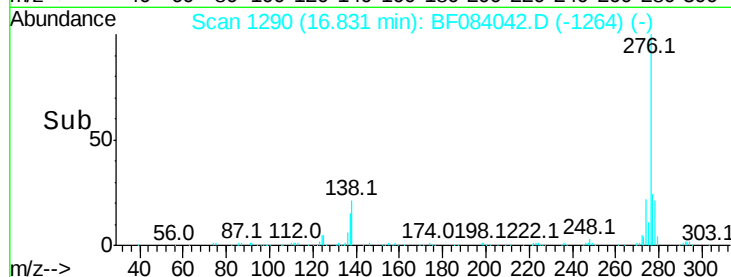
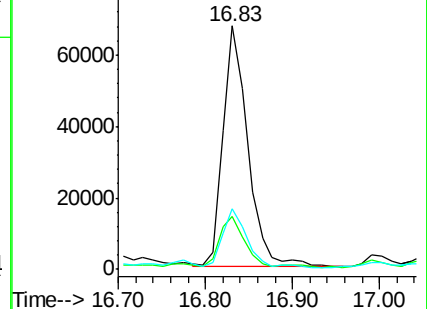
277 23.9 20.1 30.1



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: 15.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

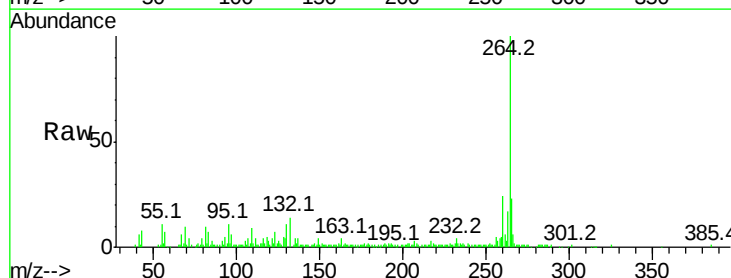
Tgt Ion:264 Resp: 114441

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

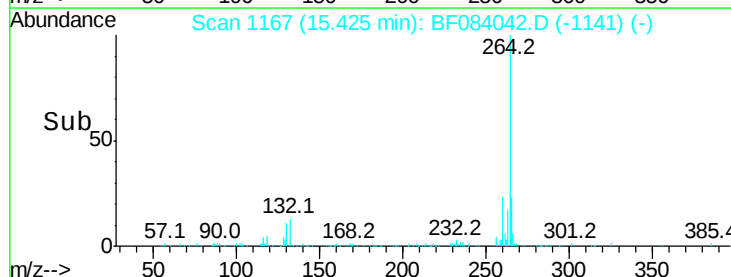
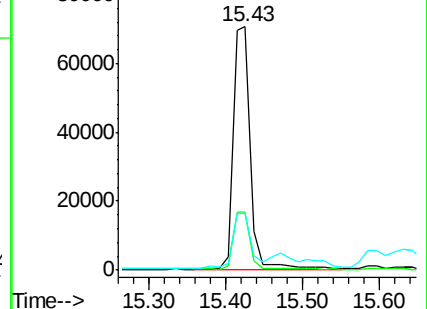
265 23.1 17.8 26.6

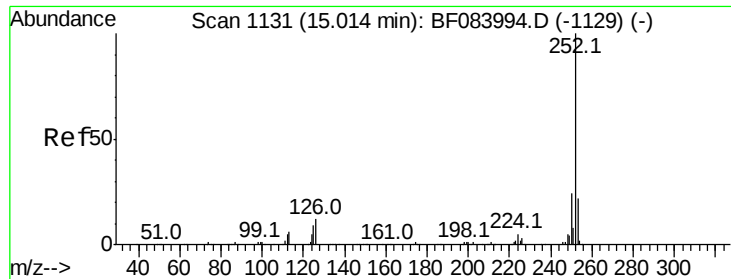


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

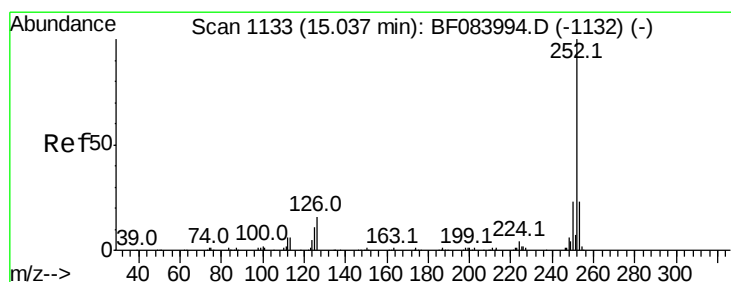
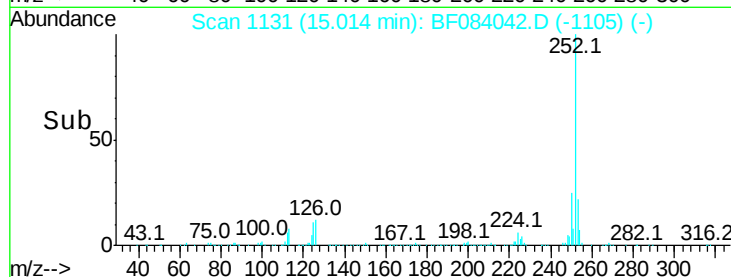
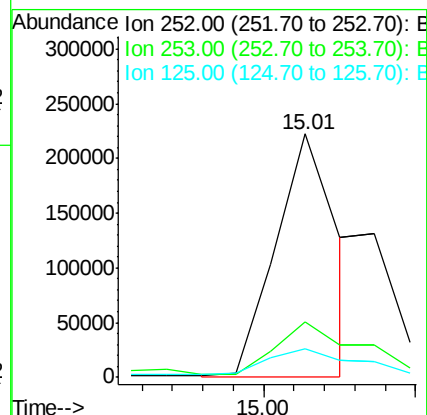
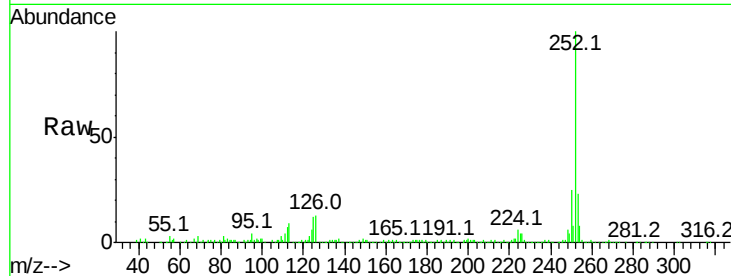




#87
Benzo(b)fluoranthene
Concen: 43.43 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

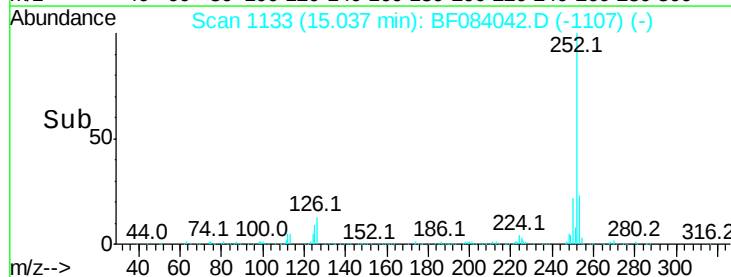
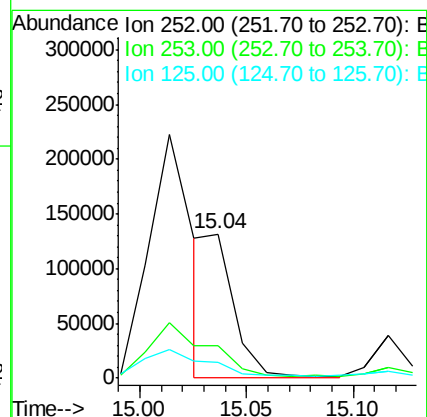
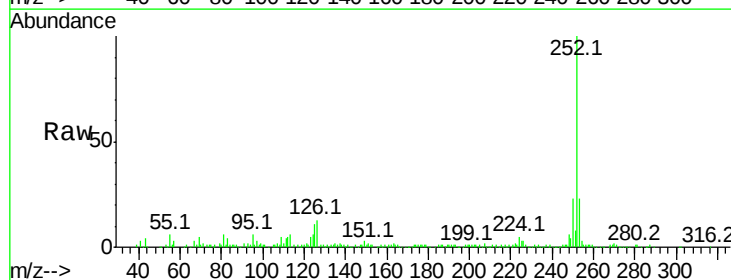
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2(0-2)

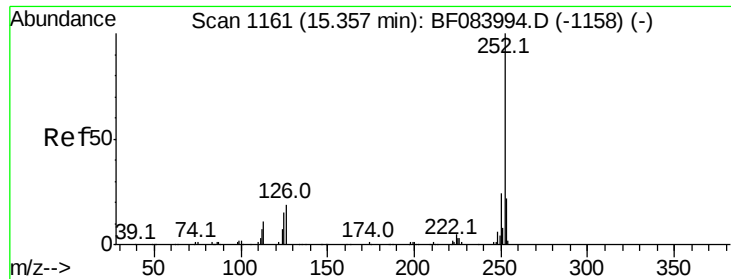
Tot Ion:252 Resp: 313366
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 11.7 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 17.34 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:252 Resp: 118972
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.6 9.0 13.6

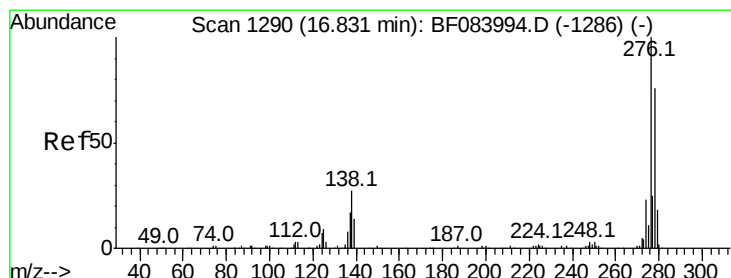
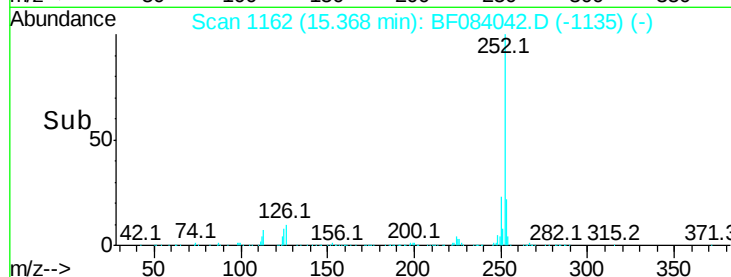
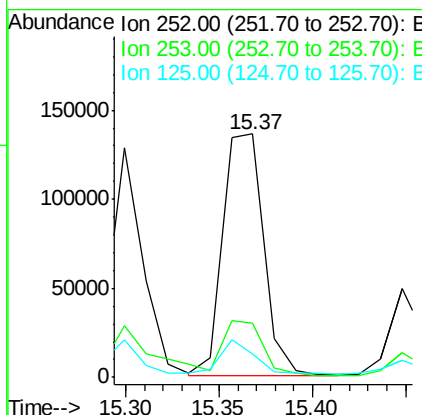
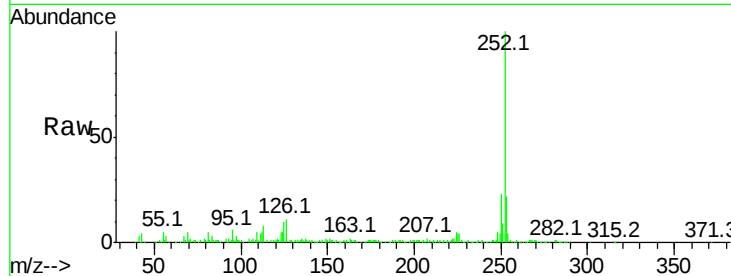




#89
Benzo(a)pyrene
Concen: 31.44 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

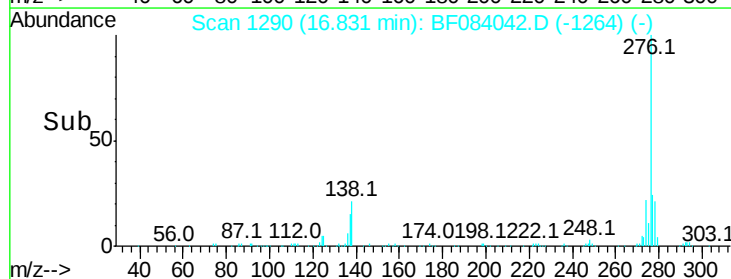
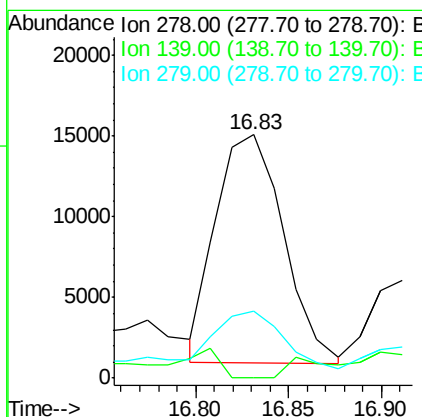
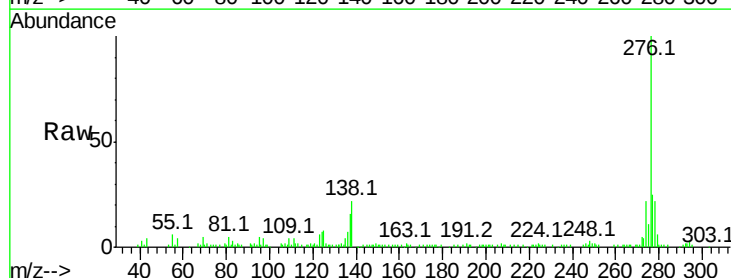
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2(0-2)

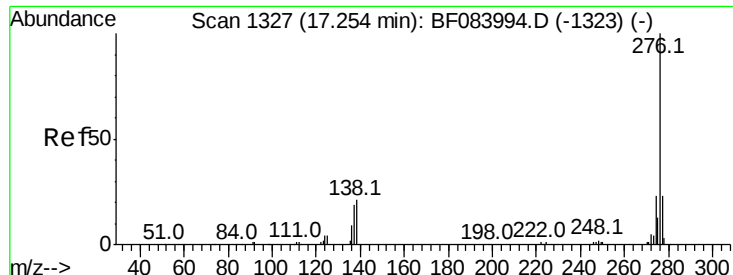
Tot Ion:252 Resp: 210114
Ion Ratio Lower Upper
252 100
253 22.4 17.3 25.9
125 9.5 7.0 10.4



#90
Dibenzo(a,h)anthracene
Concen: 6.48 ng m
RT: 16.83 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BF084042.D
Acq: 23 Dec 2015 19:16

Tgt Ion:278 Resp: 35902
Ion Ratio Lower Upper
278 100
139 0.0 15.0 22.4#
279 27.4 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 21.98 ng

RT: 17.25 min Scan# 1327

Delta R.T. -0.00 min

Lab File: BF084042.D

Acq: 23 Dec 2015 19:16

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2(0-2)

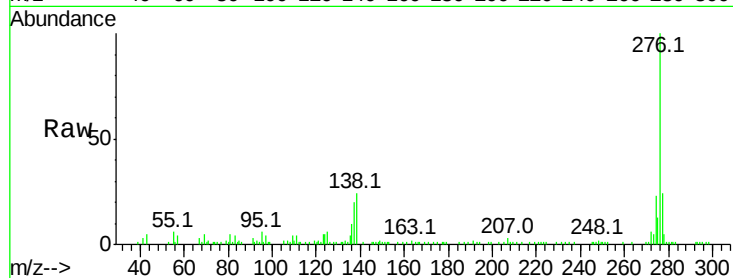
Tot Ion: 276 Resp: 123119

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 23.8 17.8 26.6



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

