

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
 Data File : BF084043.D
 Acq On : 23 Dec 2015 19:45
 Operator : UM/SJ
 Sample : G4912-05RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-3(0-2)

Quant Time: Dec 24 00:34:52 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

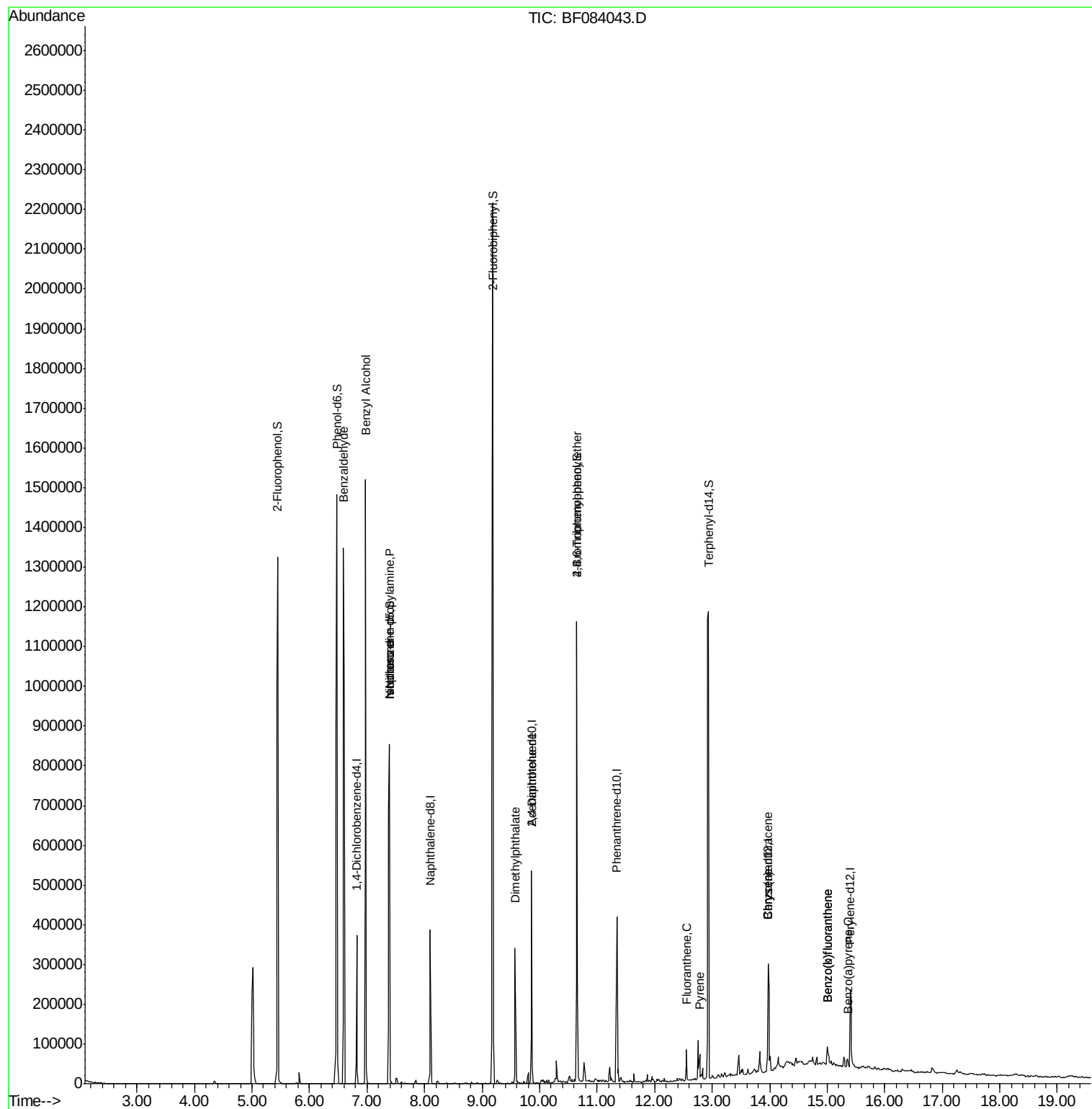
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	55249	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	209166	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	101998	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	171503	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	106266	20.00	ng	-0.02
86) Perylene-d12	15.40	264	98104	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	505121	155.88	ng	0.01
7) Phenol-d6	6.48	99	619967	162.72	ng	0.00
23) Nitrobenzene-d5	7.39	82	404350	118.76	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	133281	135.85	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	707778	93.39	ng	-0.01
78) Terphenyl-d14	12.93	244	557860	125.19	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	11611	4.56	ng	86
15) Benzyl Alcohol	6.98	79	7489	2.50	ng	# 46
19) n-Nitroso-di-n-propylamine	7.39	70	55908	24.22	ng	# 73
25) Isophorone	7.39	82	370559	57.44	ng	# 66
49) Dimethylphthalate	9.57	163	172412	21.60	ng	# 89
56) 2,4-Dinitrotoluene	9.86	165	13256	6.26	ng	# 20
66) 4-Bromophenyl-phenylether	10.65	248	9108	4.63	ng	# 1
74) Fluoranthene	12.56	202	35619	3.71	ng	95
77) Pyrene	12.79	202	33086	4.59	ng	98
80) Benzo(a)anthracene	13.97	228	15700	2.56	ng	91
82) Chrysene	13.97	228	15700	2.76	ng	95
87) Benzo(b)fluoranthene	15.00	252	30329	4.90	ng	# 93
88) Benzo(k)fluoranthene	15.00	252	30329	5.16	ng	97
89) Benzo(a)pyrene	15.36	252	11590	2.02	ng	# 95

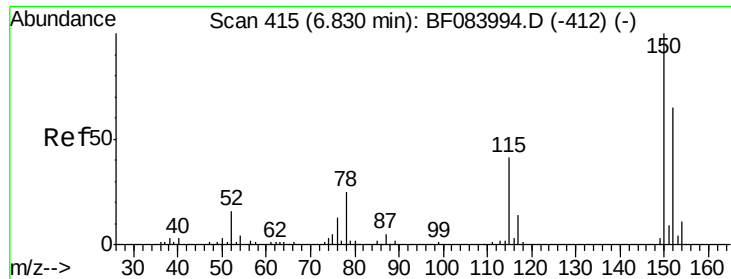
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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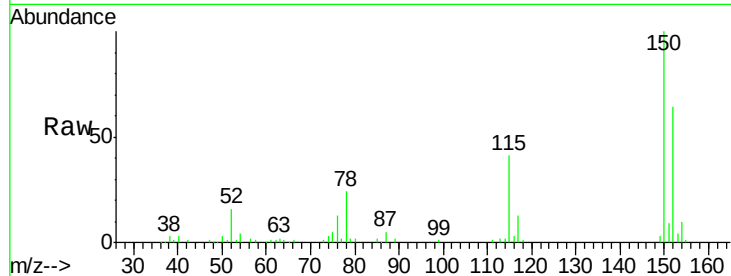


#1

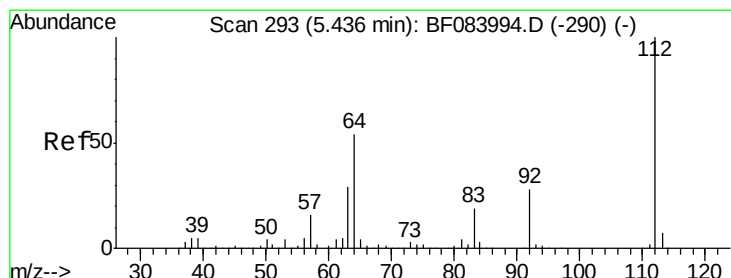
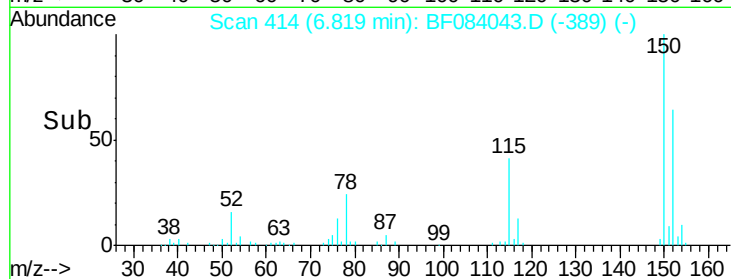
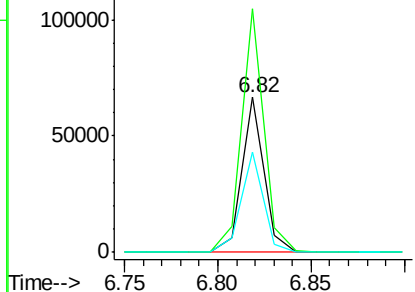
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tgt Ion:152 Resp: 55249
Ion Ratio Lower Upper
152 100
150 157.1 123.0 184.4
115 64.3 51.4 77.2



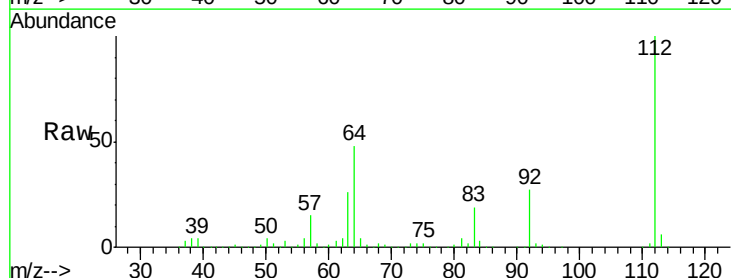
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



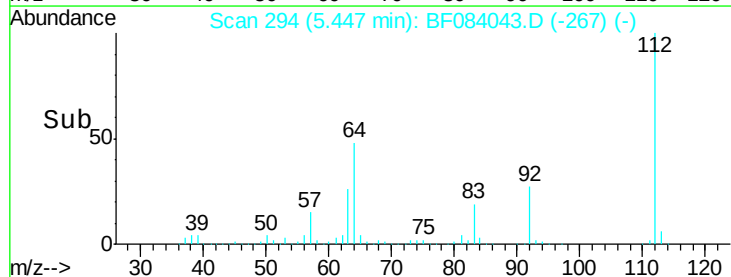
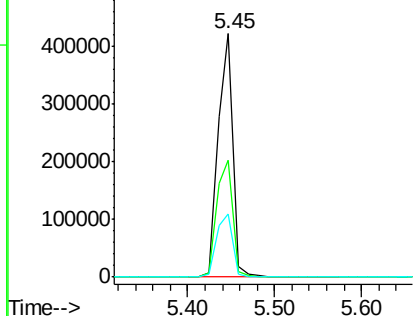
#5

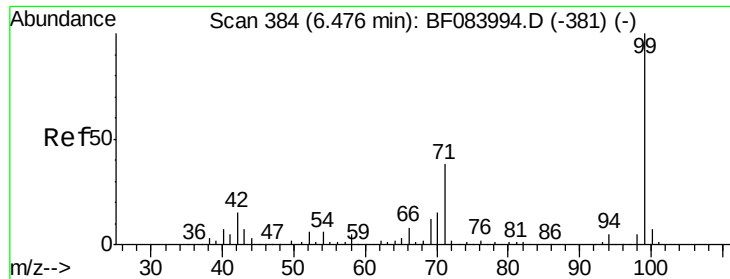
2-Fluorophenol
Concen: 155.88 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Tgt Ion:112 Resp: 505121
Ion Ratio Lower Upper
112 100
64 47.9 36.6 55.0
63 26.1 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: 162.72 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

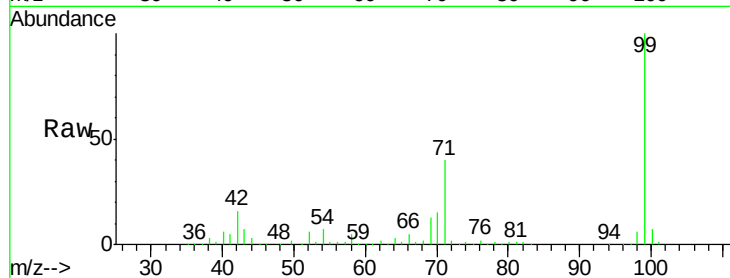
Tgt Ion: 99 Resp: 619967

Ion Ratio Lower Upper

99 100

42 15.6 12.8 19.2

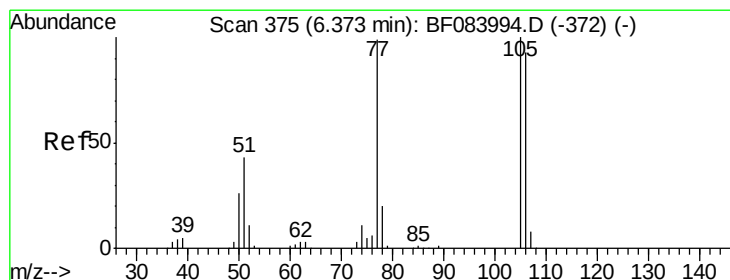
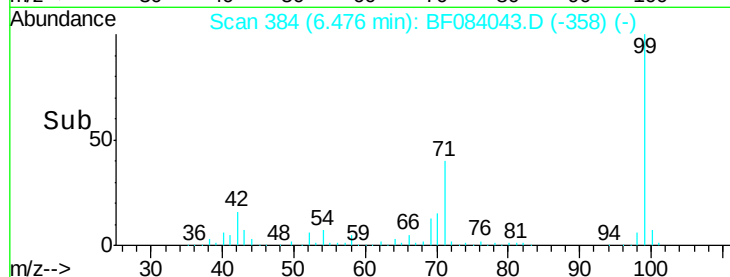
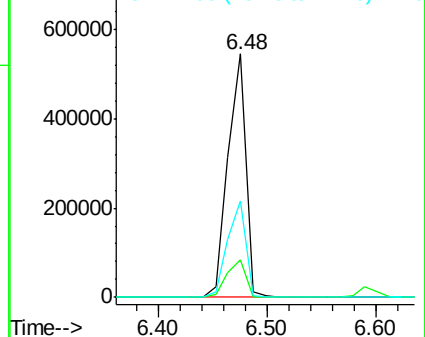
71 39.7 30.9 46.3



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



#9

Benzaldehyde

Concen: 4.56 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.22 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

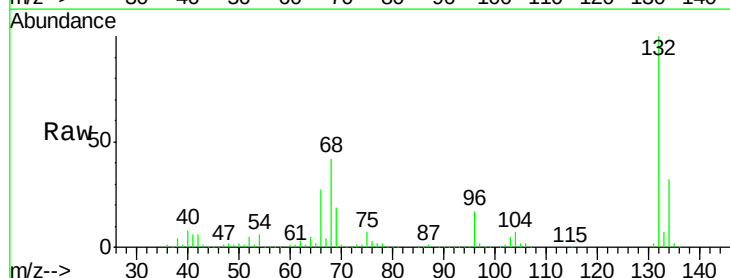
Tgt Ion: 77 Resp: 11611

Ion Ratio Lower Upper

77 100

105 86.2 83.0 123.0

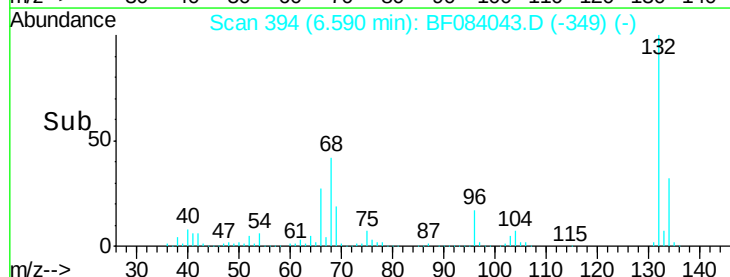
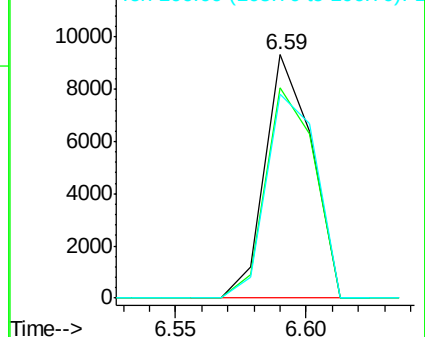
106 83.7 74.6 114.6

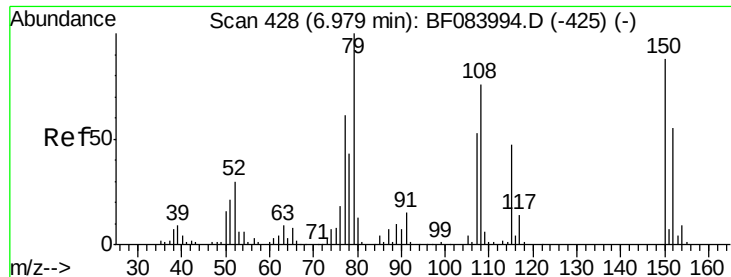


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

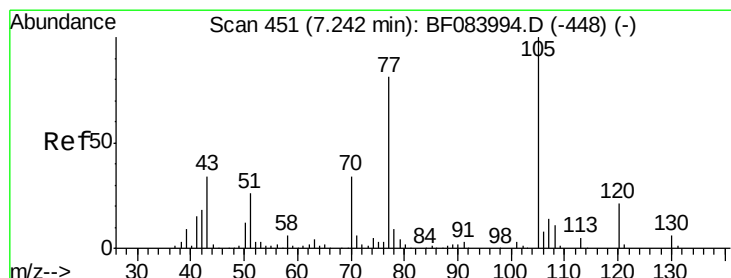
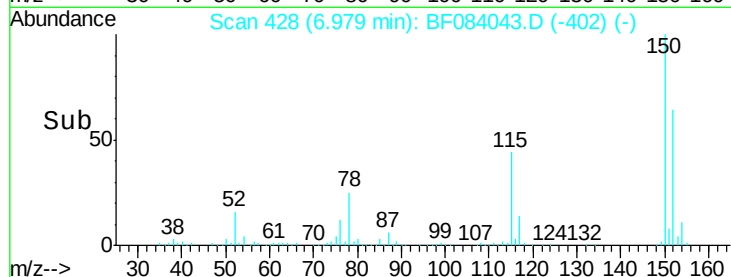
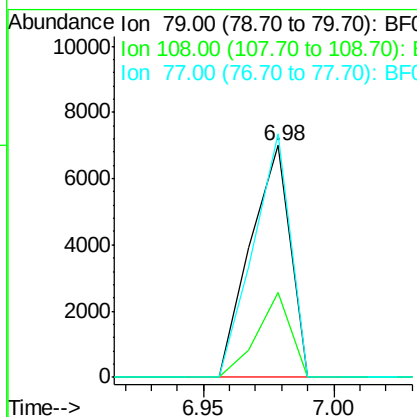
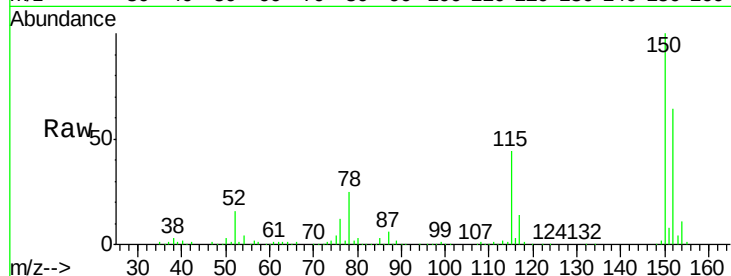




#15
Benzyl Alcohol
Concen: 2.50 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

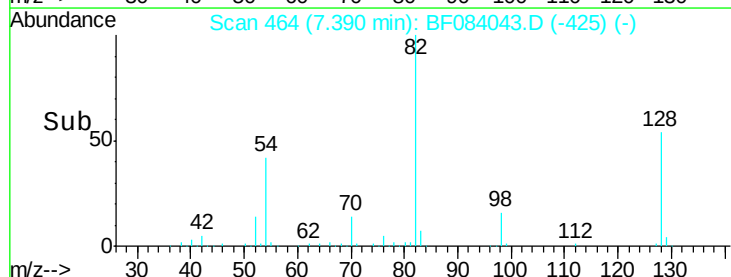
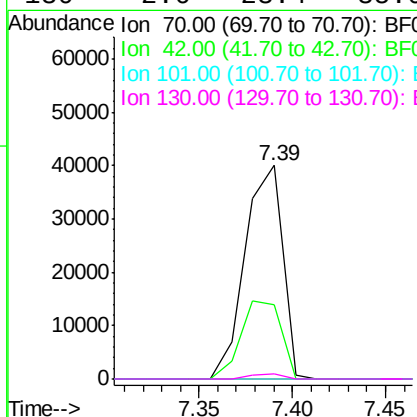
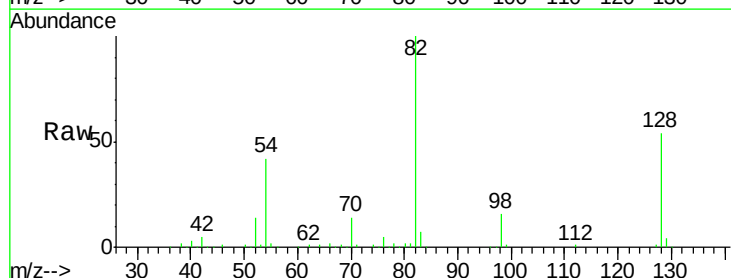
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

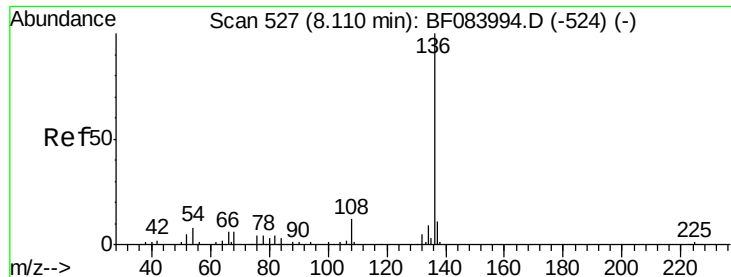
Tgt Ion: 79 Resp: 7489
Ion Ratio Lower Upper
79 100
108 36.8 69.0 103.4#
77 105.1 50.0 75.0#



#19
n-Nitroso-di-n-propylamine
Concen: 24.22 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.15 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Tgt Ion: 70 Resp: 55908
Ion Ratio Lower Upper
70 100
42 35.0 33.3 49.9
101 0.0 9.3 13.9#
130 2.6 23.4 35.0#

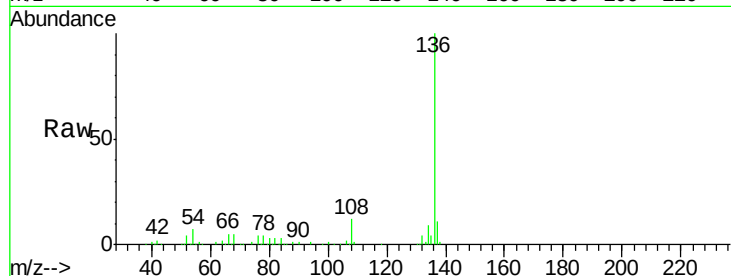




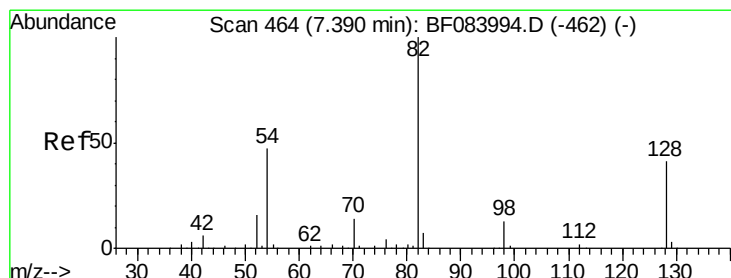
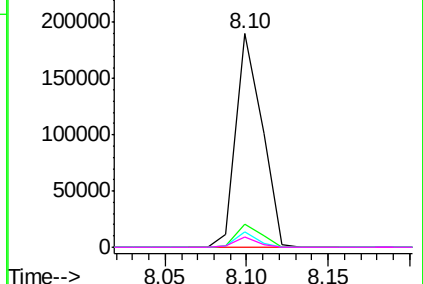
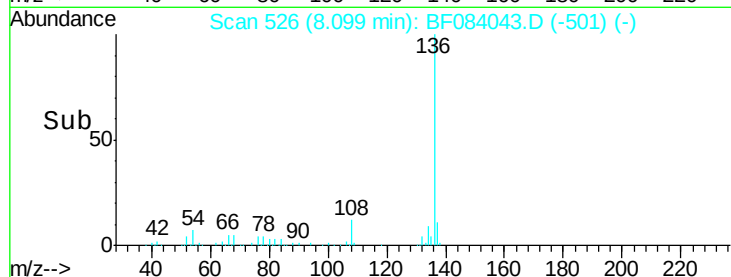
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tgt Ion:	136	Resp:	209166
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.1	5.8	8.8
68	4.9	4.2	6.2

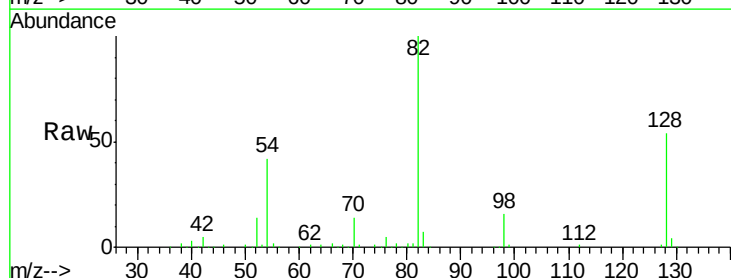


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

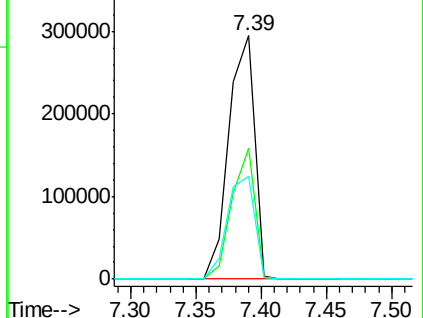
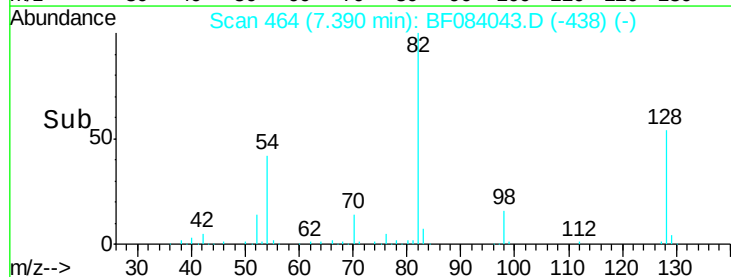


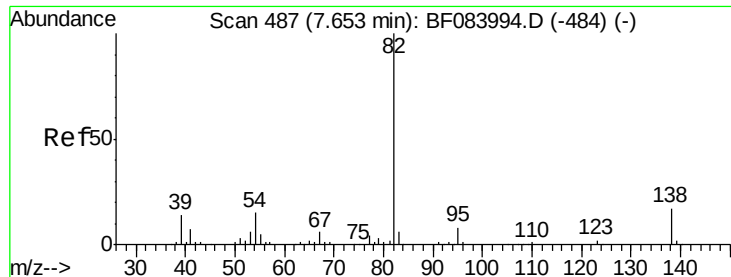
#23
Nitrobenzene-d5
Concen: 118.76 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Tgt Ion:	82	Resp:	404350
Ion	Ratio	Lower	Upper
82	100		
128	53.9	34.6	51.8#
54	42.2	38.4	57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 57.44 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.26 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

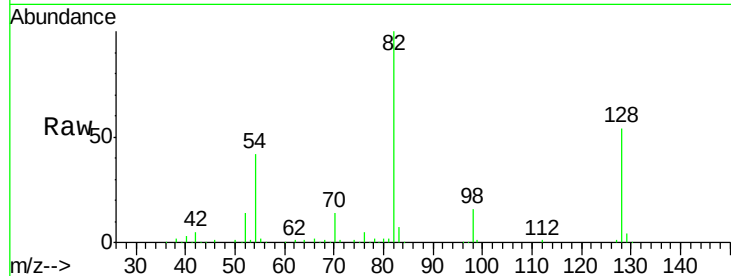
Tgt Ion: 82 Resp: 370559

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

138 0.0 13.6 20.4#

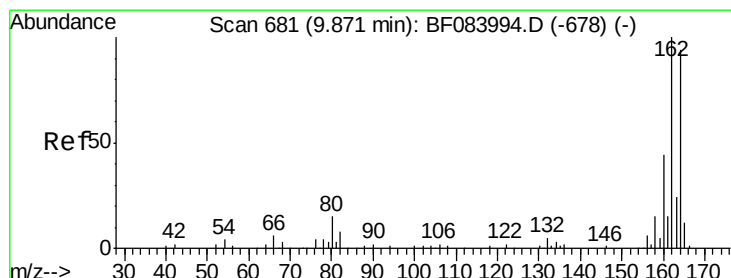
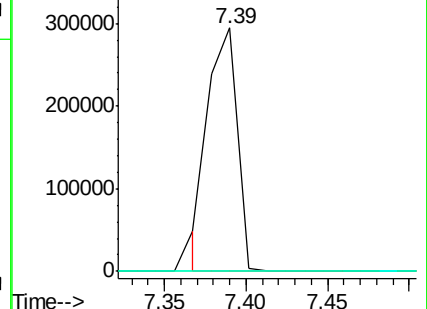
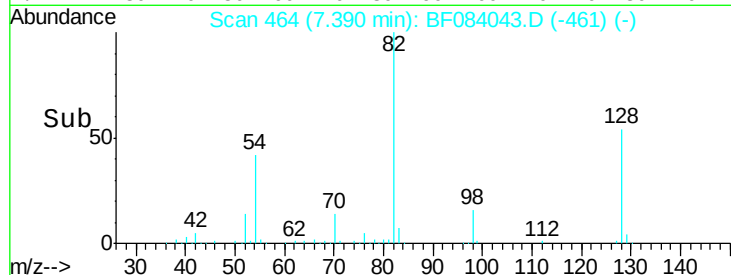


Abundance Ion 82.00 (81.70 to 82.70): BF084043.D (-464) (-)

Ion 95.00 (94.70 to 95.70): BF084043.D (-464) (-)

Ion 138.00 (137.70 to 138.70): BF084043.D (-464) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

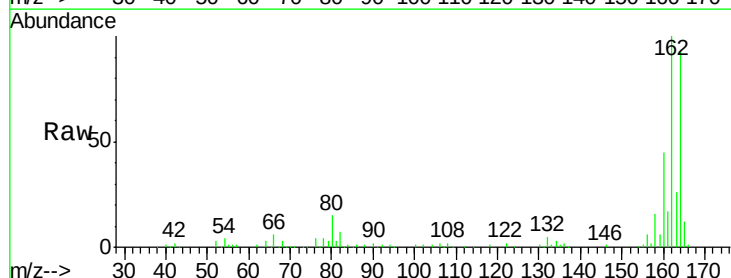
Tgt Ion: 164 Resp: 101998

Ion Ratio Lower Upper

164 100

162 107.5 85.1 127.7

160 48.2 37.5 56.3

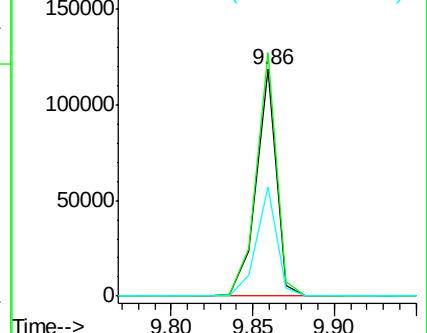
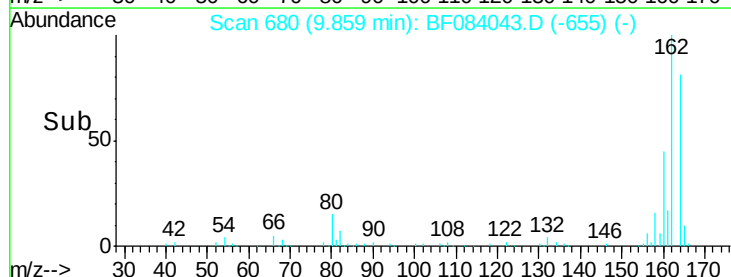


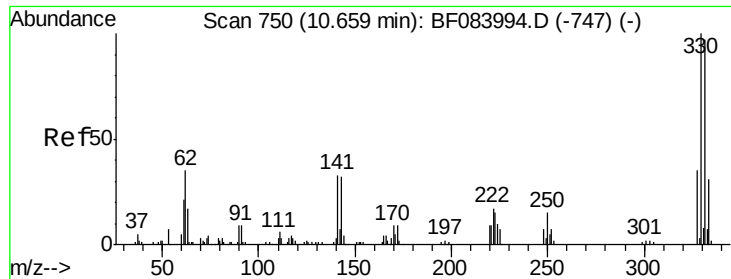
Abundance Ion 164.00 (163.70 to 164.70): BF084043.D (-655) (-)

Ion 162.00 (161.70 to 162.70): BF084043.D (-655) (-)

Ion 160.00 (159.70 to 160.70): BF084043.D (-655) (-)

Time-->

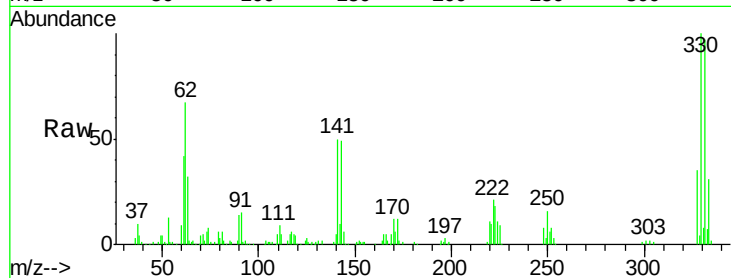




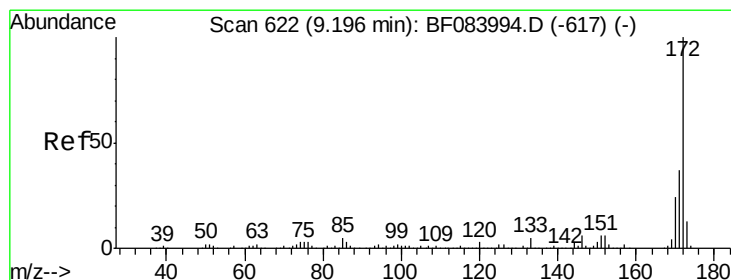
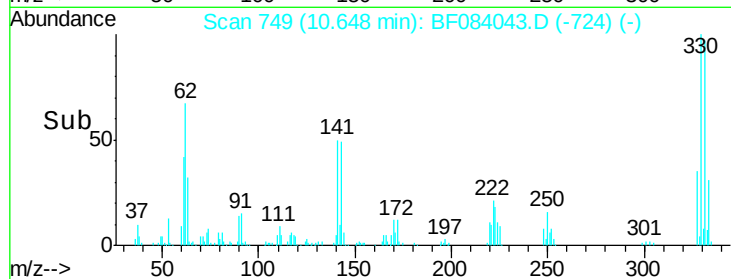
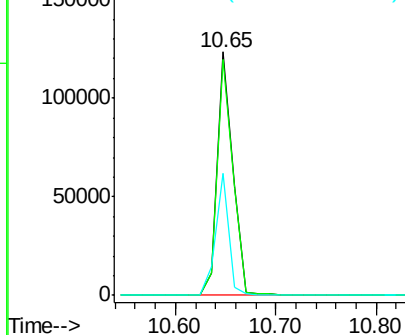
#41
 2,4,6-Tribromophenol
 Concen: 135.85 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF084043.D
 Acq: 23 Dec 2015 19:45

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-3(0-2)

Tgt Ion:330 Resp: 133281
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 114.8
 141 42.2 27.8 41.6#

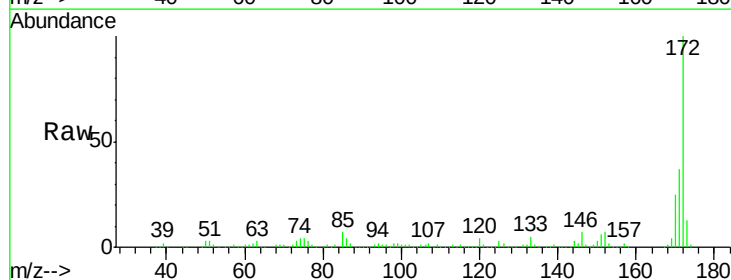


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

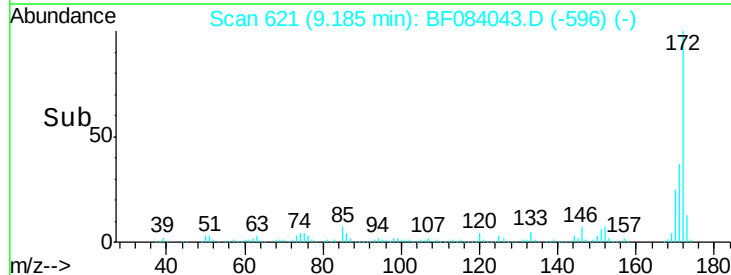
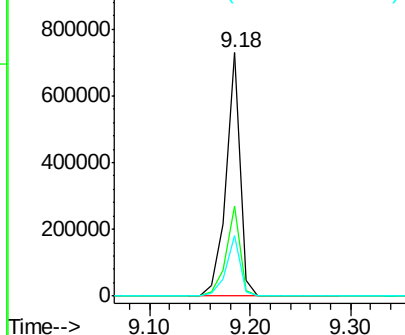


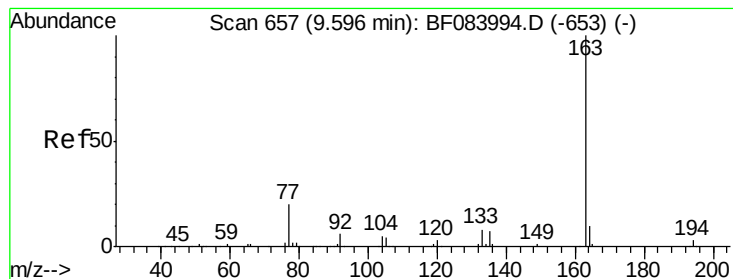
#44
 2-Fluorobiphenyl
 Concen: 93.39 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084043.D
 Acq: 23 Dec 2015 19:45

Tgt Ion:172 Resp: 707778
 Ion Ratio Lower Upper
 172 100
 171 36.8 28.9 43.3
 170 24.6 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: 21.60 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.02 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

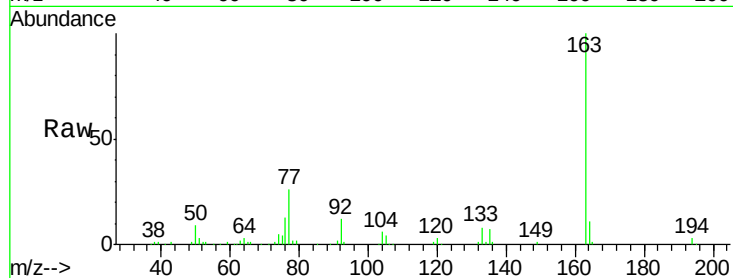
Tgt Ion:163 Resp: 172412

Ion Ratio Lower Upper

163 100

194 2.8 8.0 12.0#

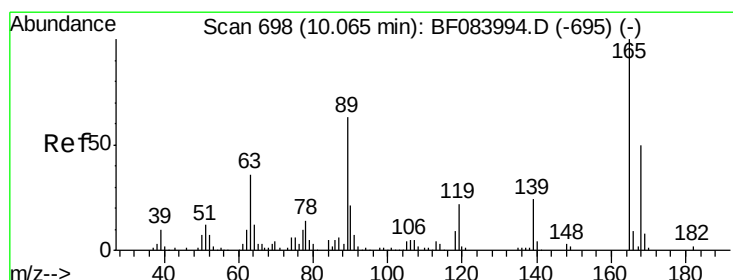
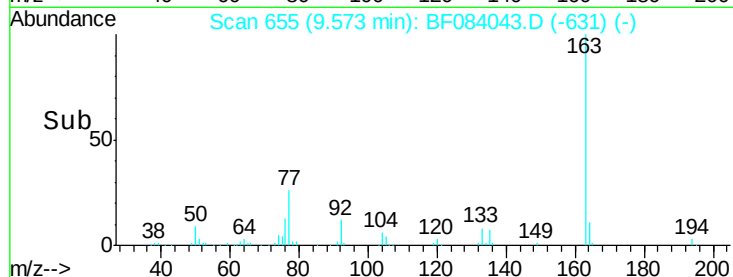
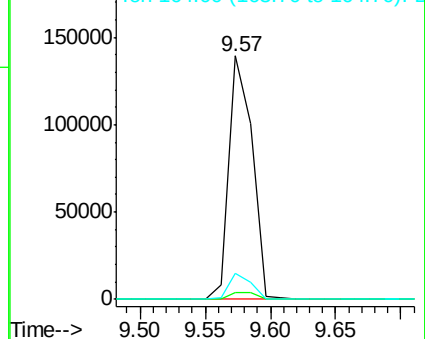
164 10.9 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.26 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.21 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Tgt Ion:165 Resp: 13256

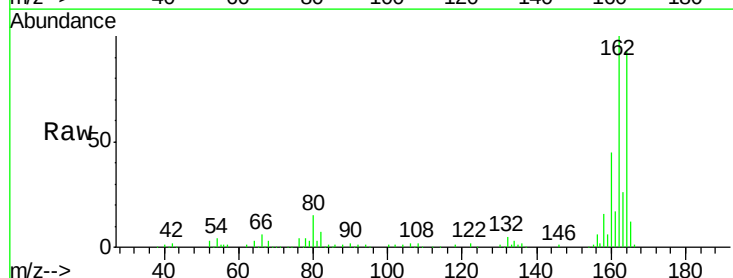
Ion Ratio Lower Upper

165 100

63 0.0 36.7 55.1#

89 0.0 61.9 92.9#

182 0.0 2.0 3.0#

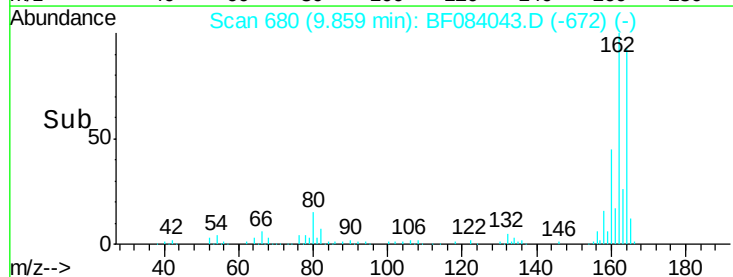
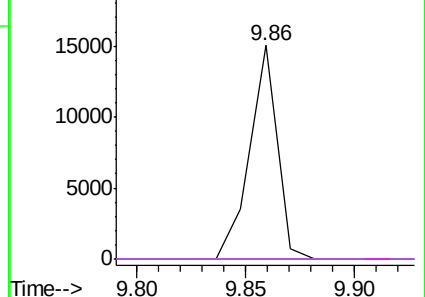


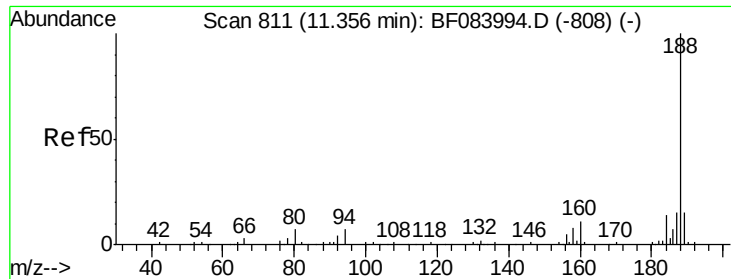
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

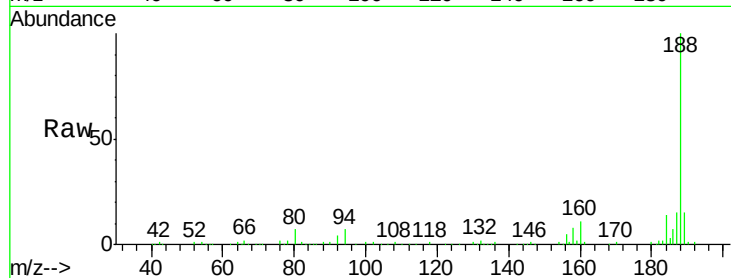




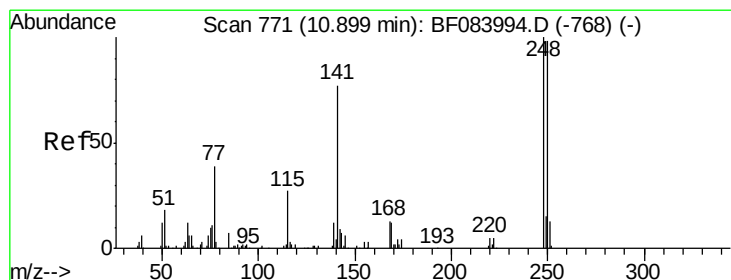
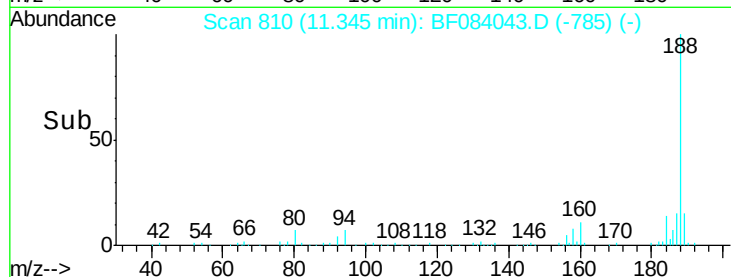
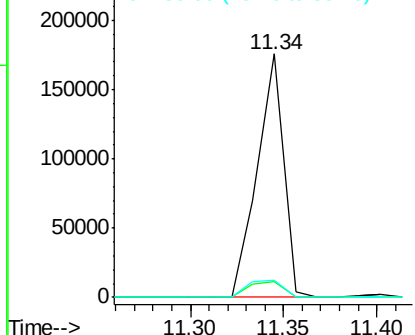
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

Tgt Ion:188 Resp: 171503
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.4#
80 7.0 9.6 14.4#

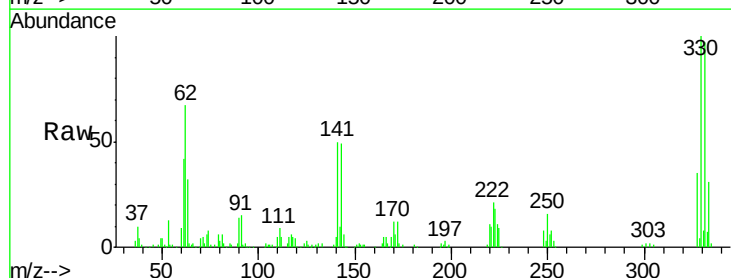


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

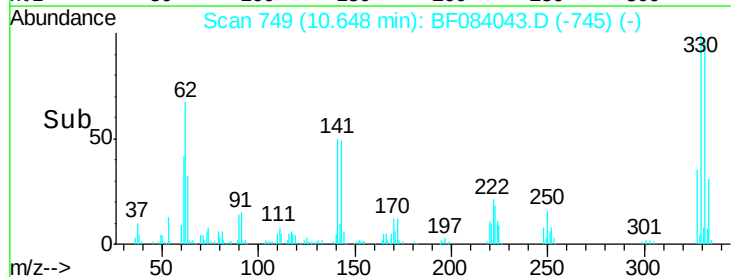
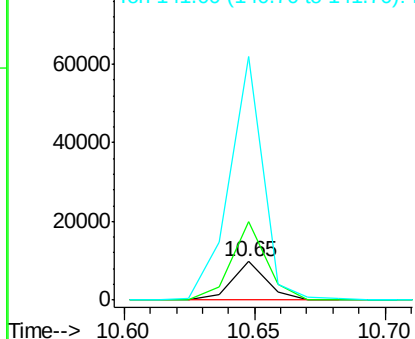


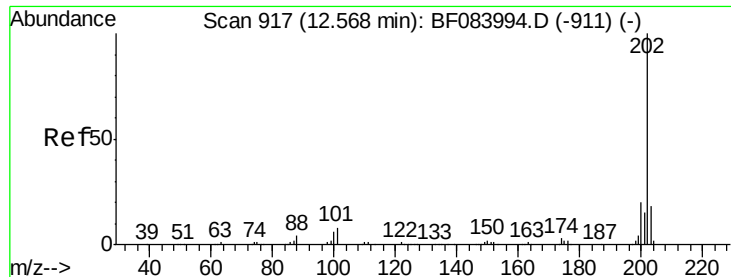
#66
4-Bromophenyl-phenylether
Concen: 4.63 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.25 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Tgt Ion:248 Resp: 9108
Ion Ratio Lower Upper
248 100
250 203.2 78.4 117.6#
141 630.4 44.0 66.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.71 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

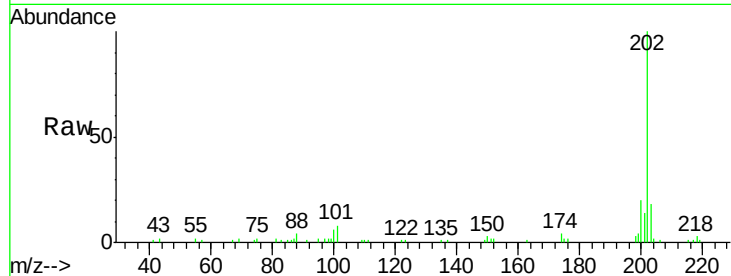
Tgt Ion:202 Resp: 35619

Ion Ratio Lower Upper

202 100

101 8.4 0.0 32.8

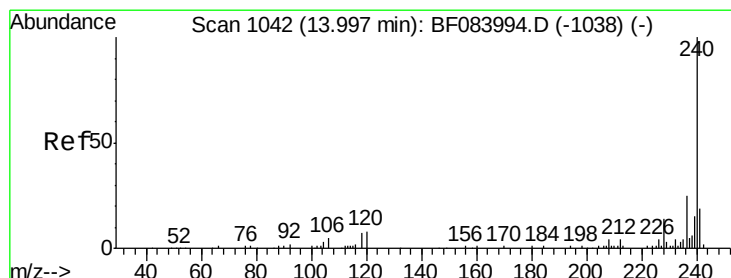
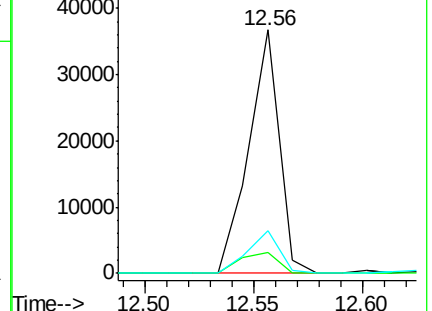
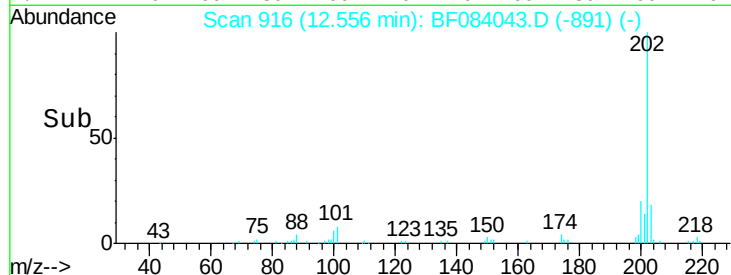
203 17.6 0.0 37.9



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: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

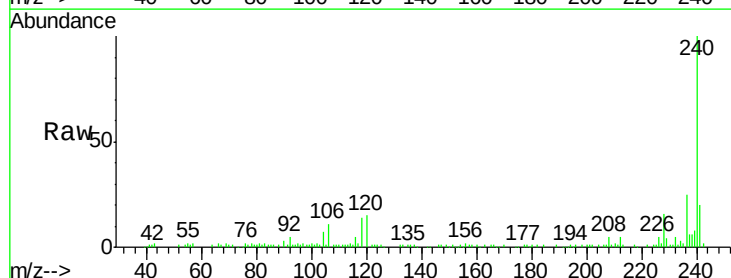
Tgt Ion:240 Resp: 106266

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

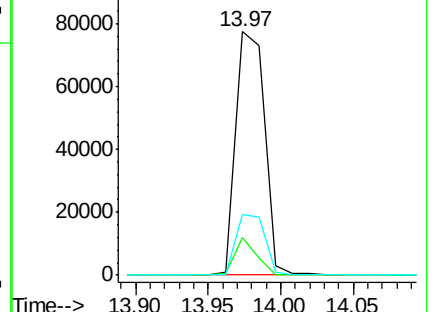
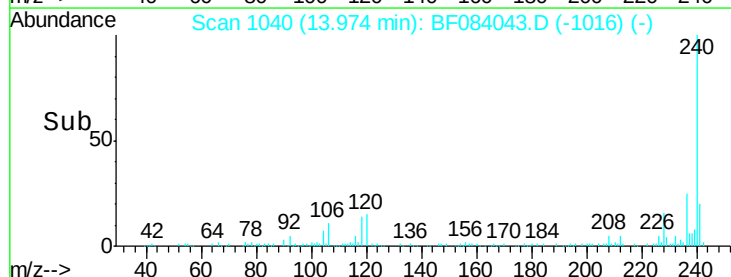
236 24.8 20.6 31.0

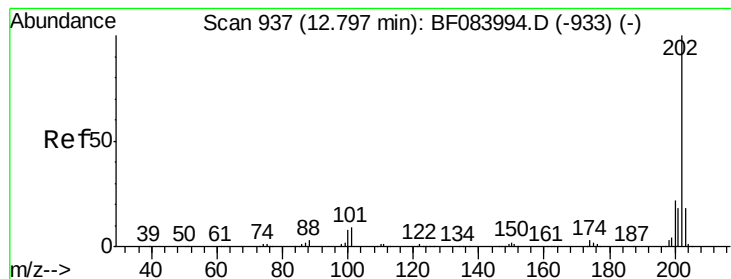


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.59 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

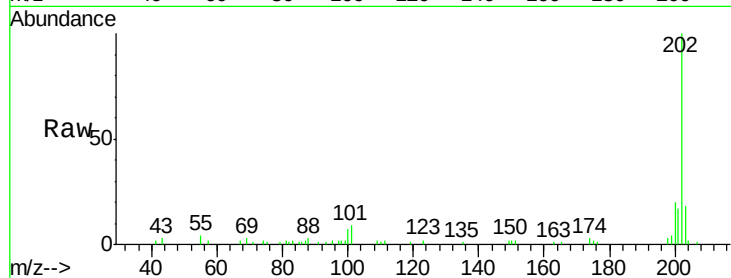
Tgt Ion:202 Resp: 33086

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

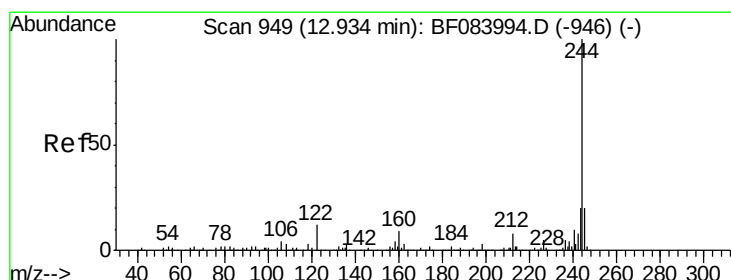
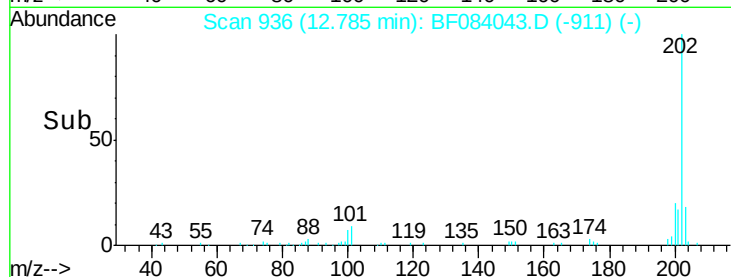
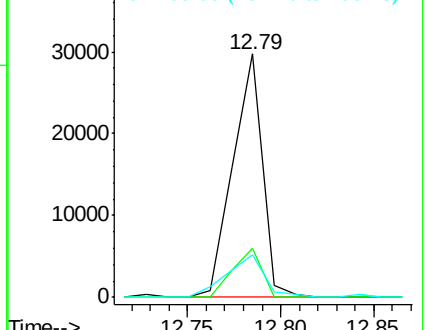
203 17.7 14.3 21.5



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: 125.19 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

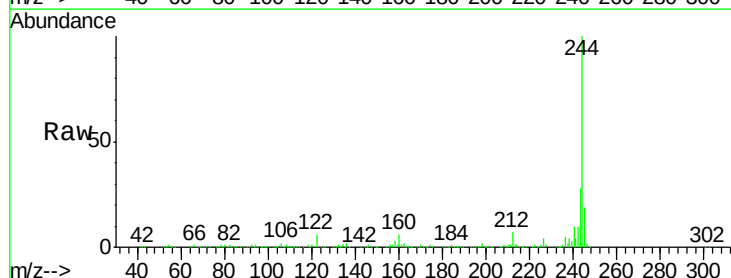
Tgt Ion:244 Resp: 557860

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

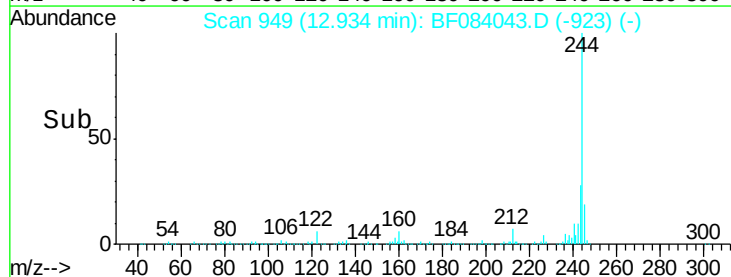
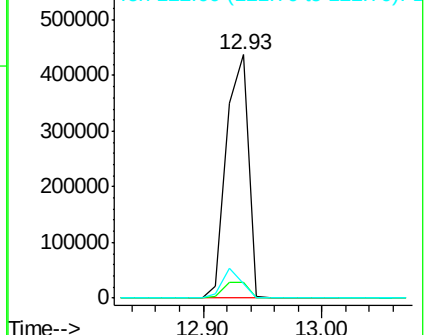
122 5.8 7.4 11.0#

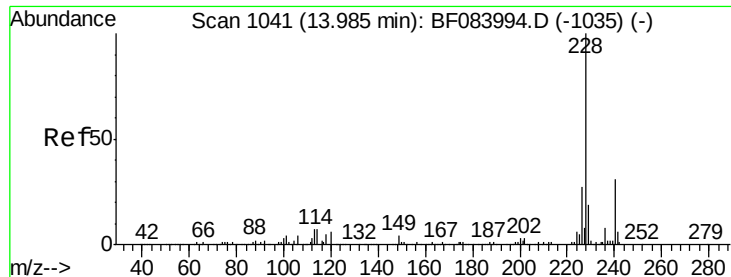


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.56 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

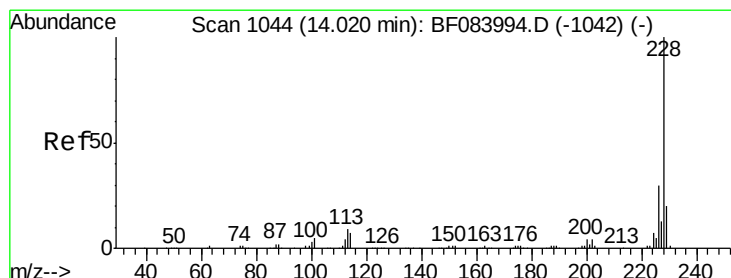
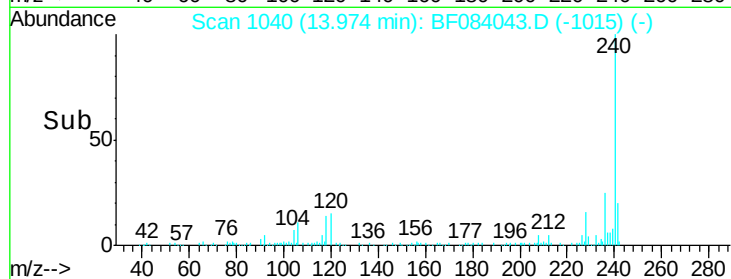
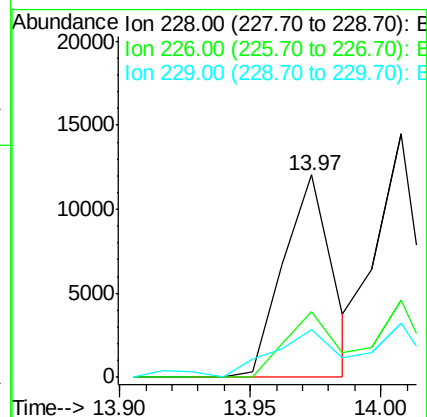
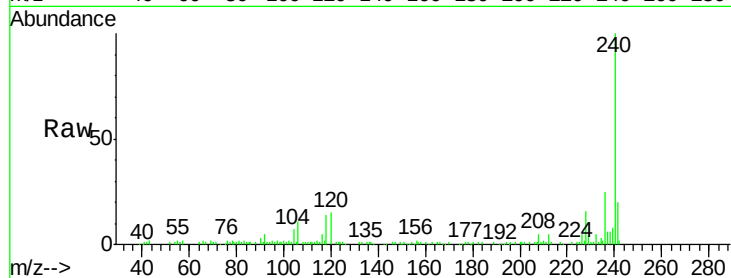
Tgt Ion:228 Resp: 15700

Ion Ratio Lower Upper

228 100

226 32.2 21.8 32.6

229 23.5 15.8 23.8



#82

Chrysene

Concen: 2.76 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

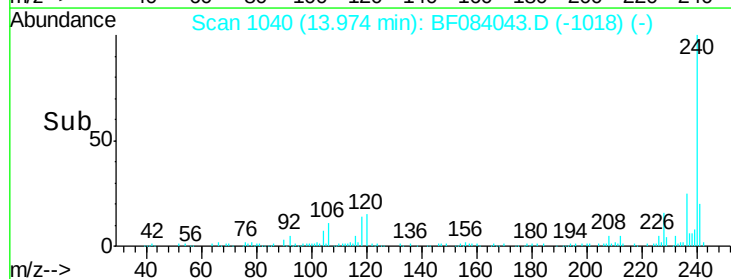
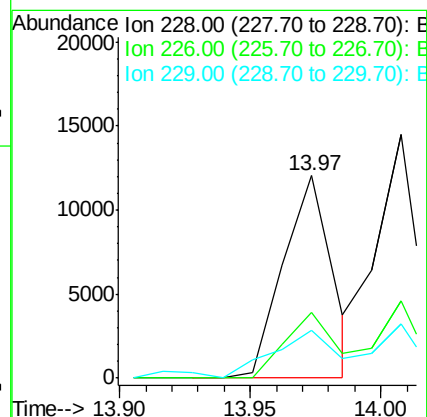
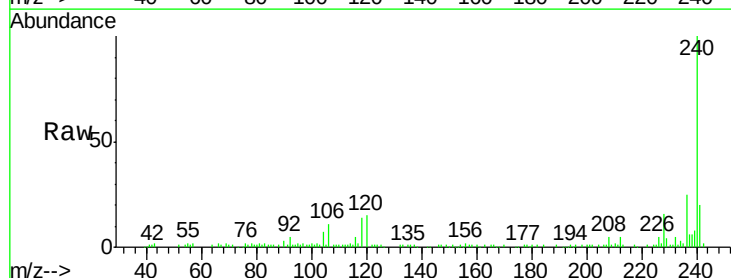
Tgt Ion:228 Resp: 15700

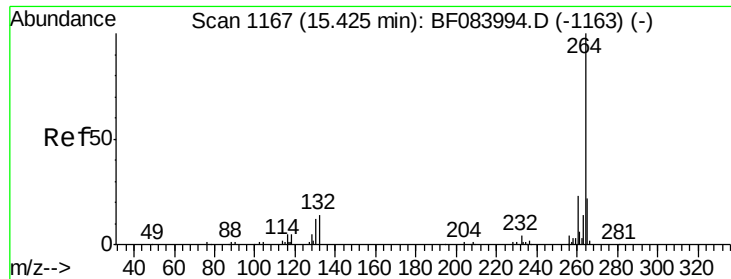
Ion Ratio Lower Upper

228 100

226 32.2 24.3 36.5

229 23.5 16.1 24.1

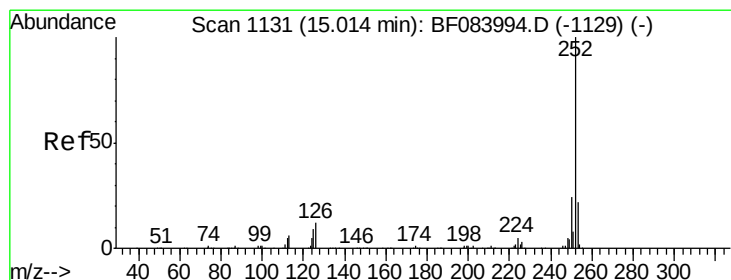
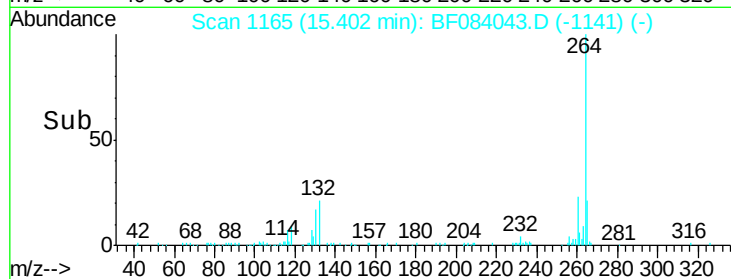
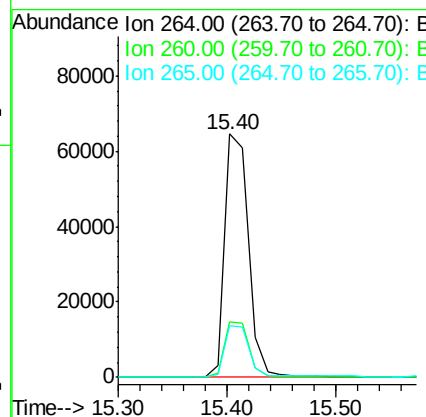
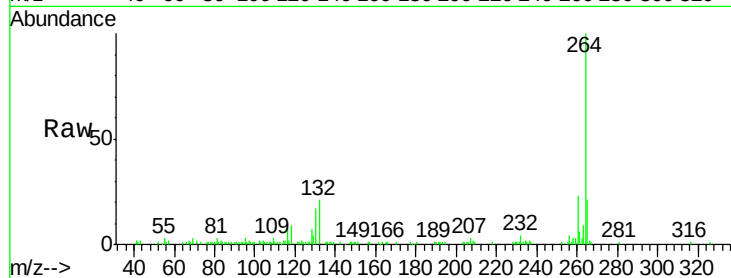




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

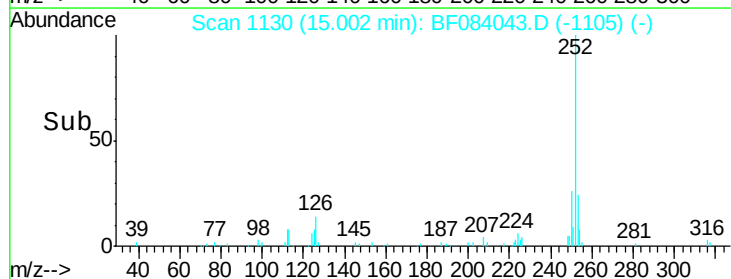
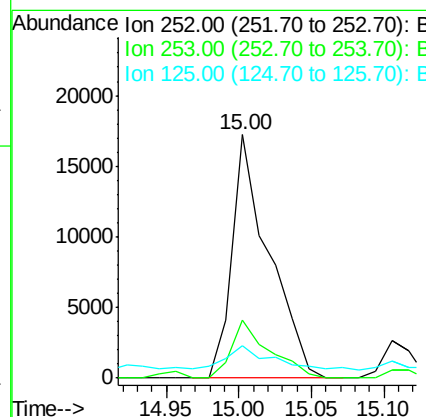
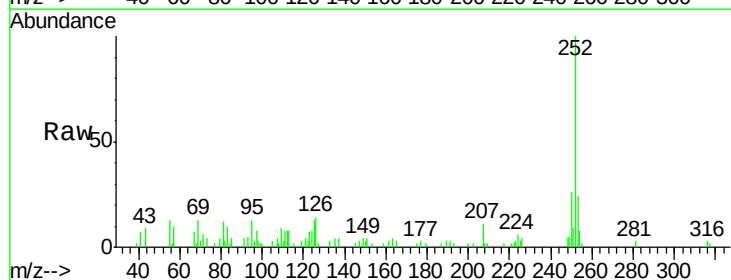
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

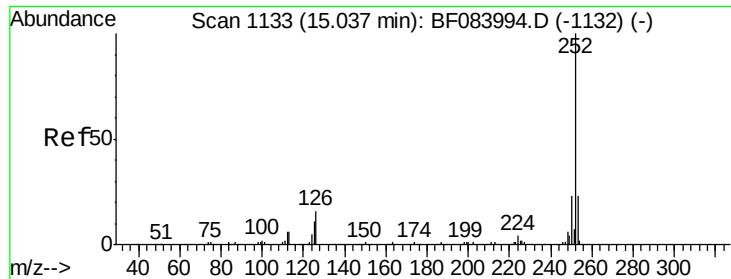
Tgt Ion:264 Resp: 98104
Ion Ratio Lower Upper
264 100
260 22.7 19.4 29.2
265 21.2 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 4.90 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF084043.D
Acq: 23 Dec 2015 19:45

Tgt Ion:252 Resp: 30329
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 13.2 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 5.16 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

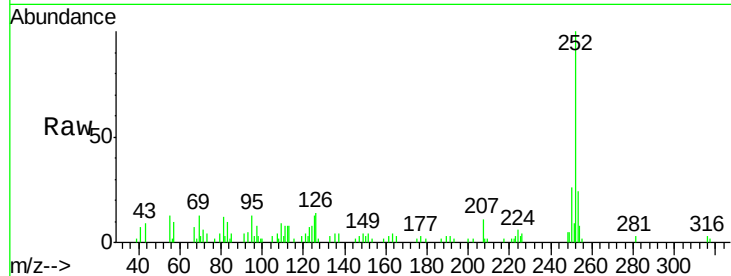
Tgt Ion:252 Resp: 30329

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

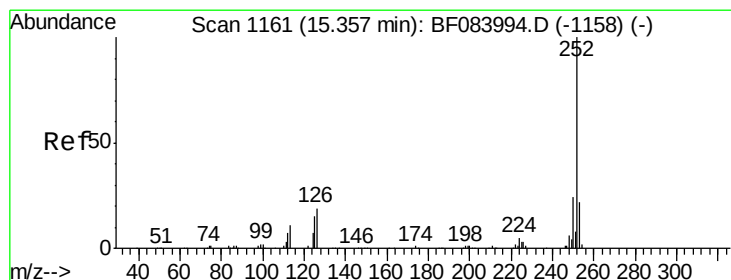
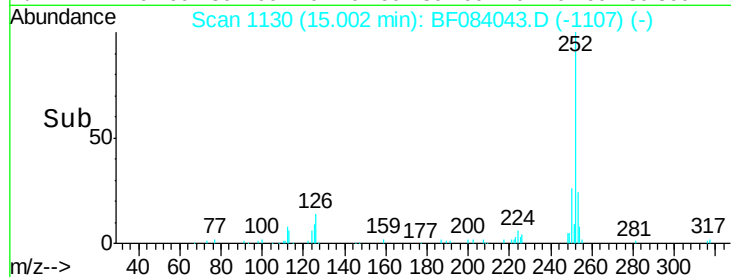
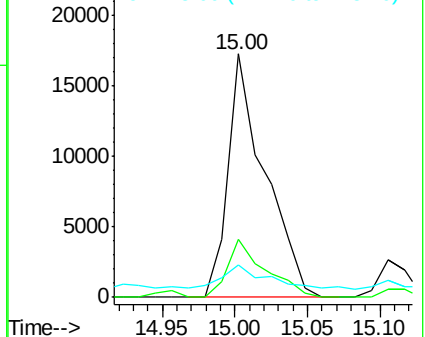
125 13.2 9.0 13.6



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



#89

Benzo(a)pyrene

Concen: 2.02 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF084043.D

Acq: 23 Dec 2015 19:45

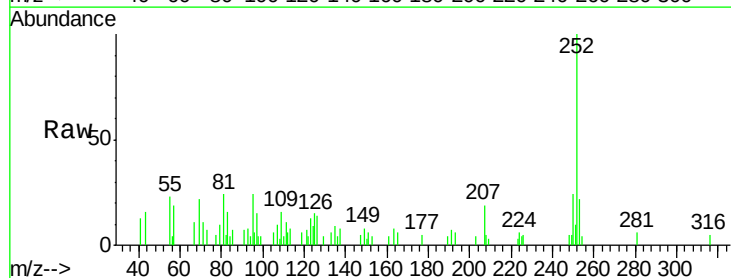
Tgt Ion:252 Resp: 11590

Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 15.2 7.0 10.4#



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

