

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083988.D
 Acq On : 20 Dec 2015 9:08
 Operator : UM/SJ
 Sample : G4912-05
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Quant Time: Dec 21 01:06:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

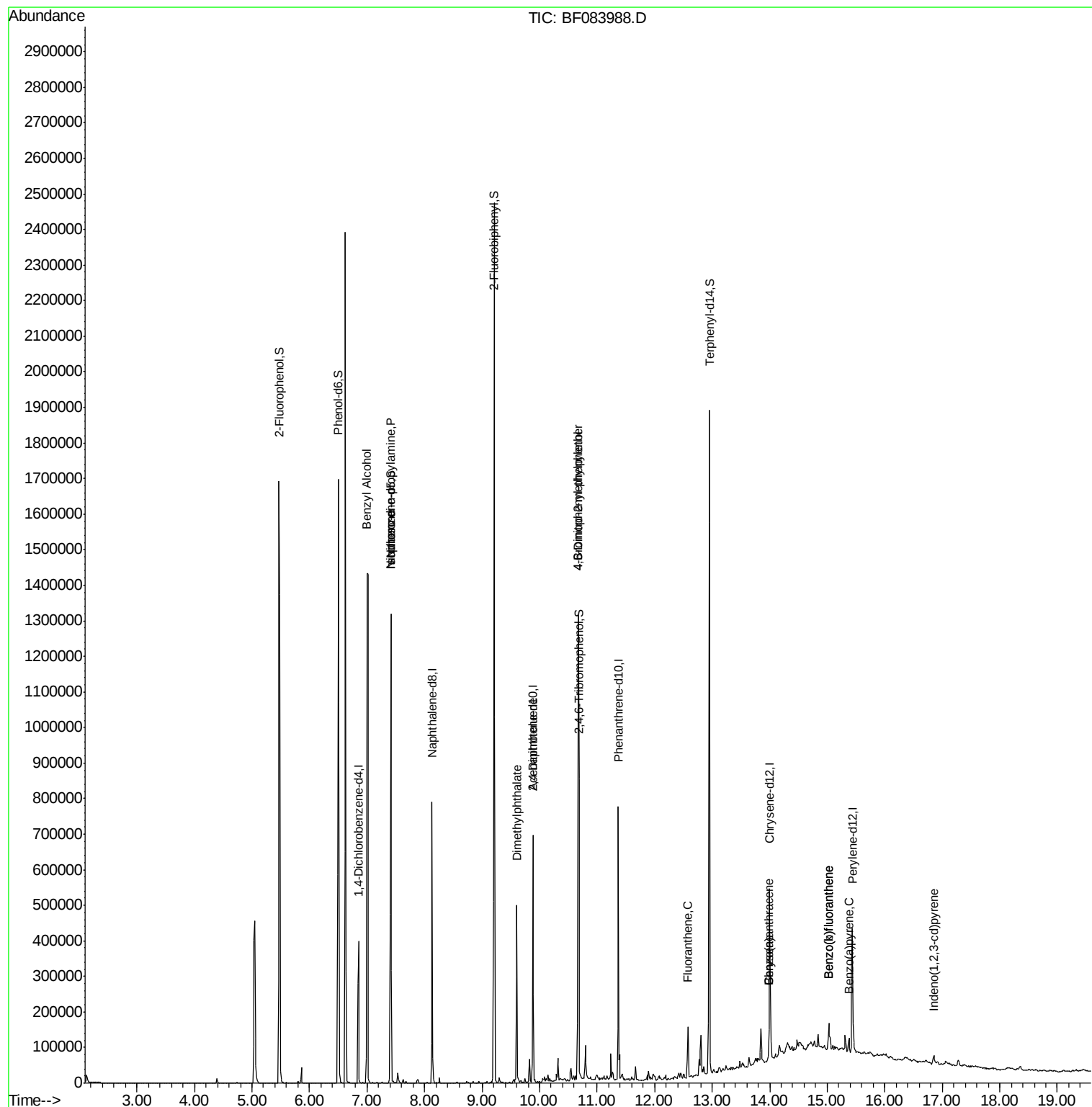
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	82757	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	339149	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	144689	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	260662	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	171411	20.00	ng	-0.03
86) Perylene-d12	15.44	264	160097	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	716178	135.43	ng	-0.01
7) Phenol-d6	6.50	99	889192	137.37	ng	-0.01
23) Nitrobenzene-d5	7.41	82	506051	85.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	228851	143.57	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	959499	94.84	ng	-0.03
78) Terphenyl-d14	12.96	244	819547	113.92	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.00	79	9857	2.01	ng	# 50
19) n-Nitroso-di-n-propylamine	7.41	70	67972	18.01	ng	# 77
25) Isophorone	7.41	82	386583	34.58	ng	# 66
31) Naphthalene	8.16	128	4810	Below	Cal	98
45) 1,1'-Biphenyl	9.31	154	859	Below	Cal	92
49) Dimethylphthalate	9.61	163	270713	22.30	ng	# 91
56) 2,4-Dinitrotoluene	9.88	165	18186	5.36	ng	# 22
57) Fluorene	10.43	166	1398	Below	Cal	# 87
64) 4,6-Dinitro-2-methylphenol	10.67	198	311	4.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14374	4.51	ng	# 1
74) Fluoranthene	12.58	202	56869	3.62	ng	95
80) Benzo(a)anthracene	13.99	228	27129	2.57	ng	93
82) Chrysene	13.99	228	27129	2.66	ng	97
85) Indeno(1,2,3-cd)pyrene	16.85	276	15905	2.09	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	49765	4.26	ng	# 93
88) Benzo(k)fluoranthene	15.03	252	49765	5.17	ng	# 96
89) Benzo(a)pyrene	15.38	252	19314	2.00	ng	# 89

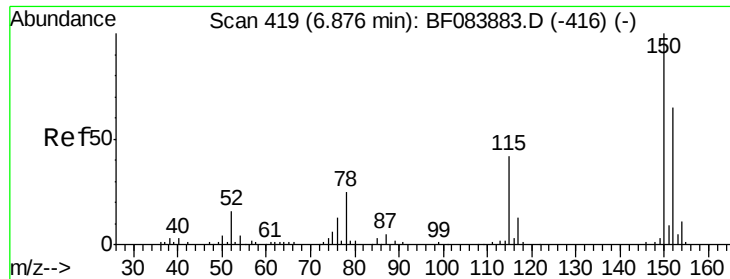
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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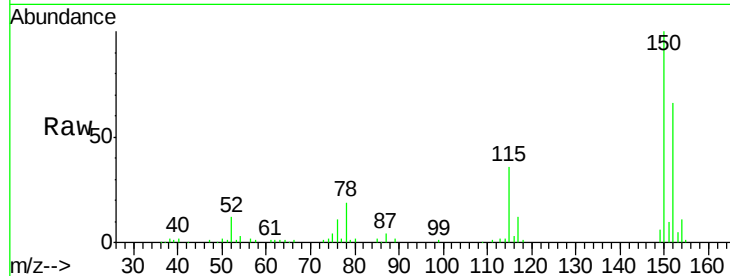




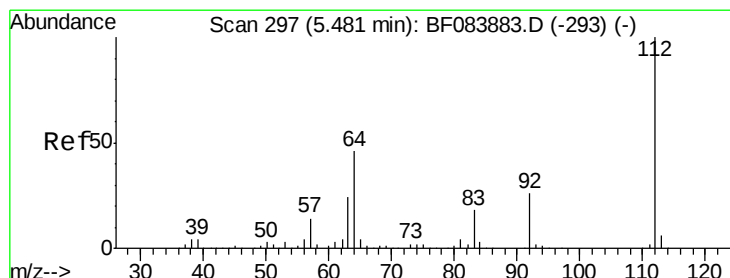
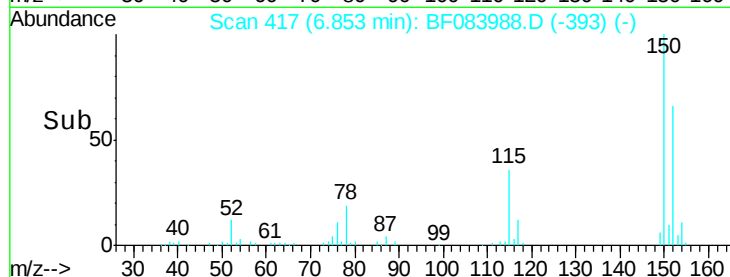
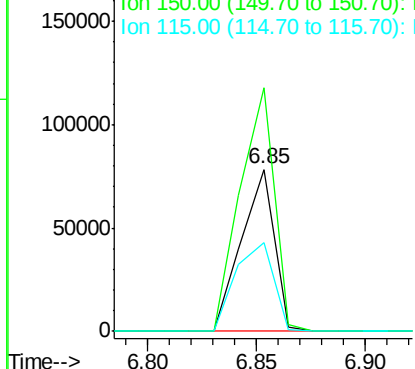
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

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

Tgt Ion:152 Resp: 82757
 Ion Ratio Lower Upper
 152 100
 150 150.6 123.0 184.4
 115 54.7 51.4 77.2

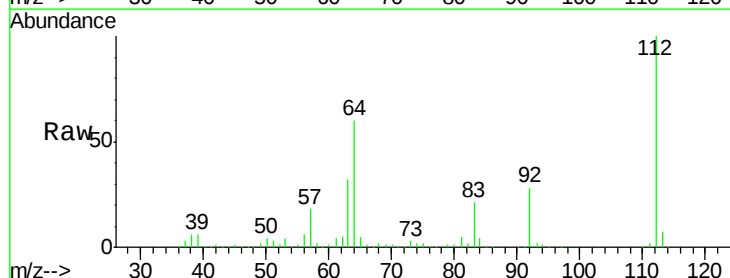


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

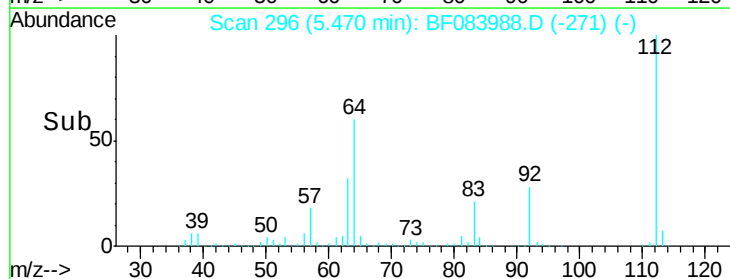
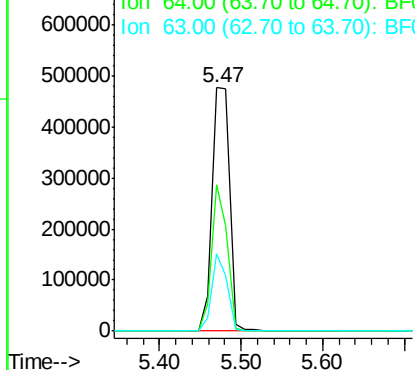


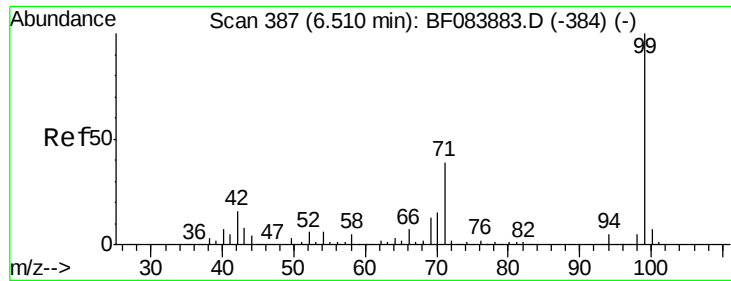
#5
 2-Fluorophenol
 Concen: 135.43 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

Tgt Ion:112 Resp: 716178
 Ion Ratio Lower Upper
 112 100
 64 60.0 36.6 55.0#
 63 31.9 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: 137.37 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

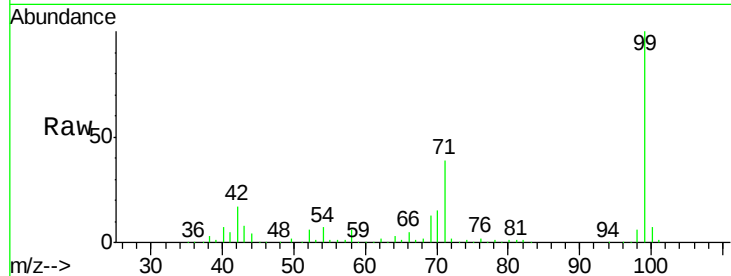
Tgt Ion: 99 Resp: 889192

Ion Ratio Lower Upper

99 100

42 16.8 12.8 19.2

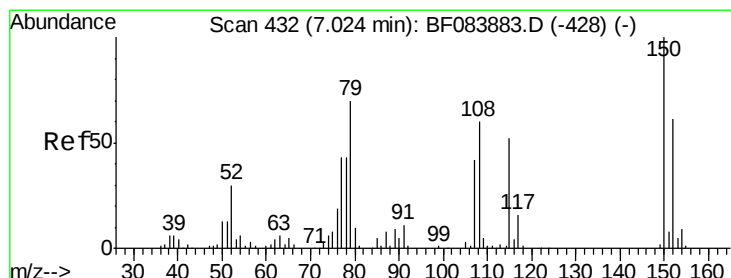
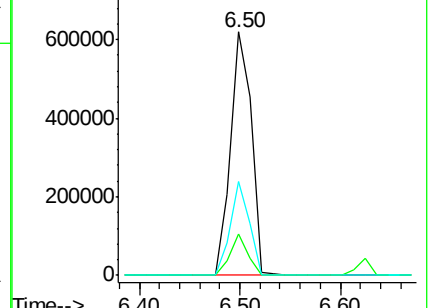
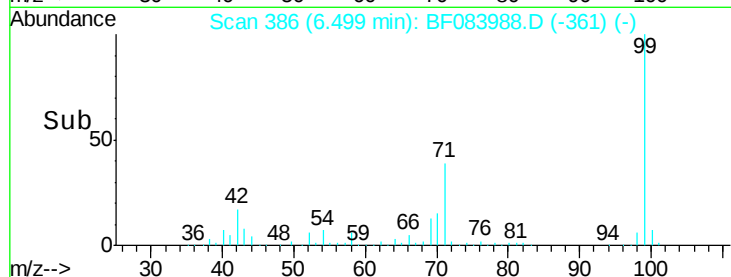
71 38.5 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

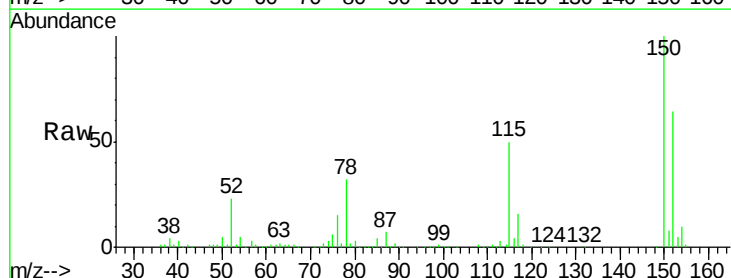
Tgt Ion: 79 Resp: 9857

Ion Ratio Lower Upper

79 100

108 30.1 69.0 103.4#

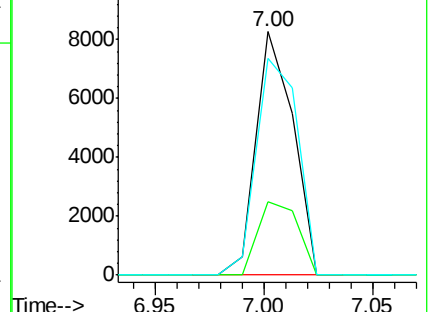
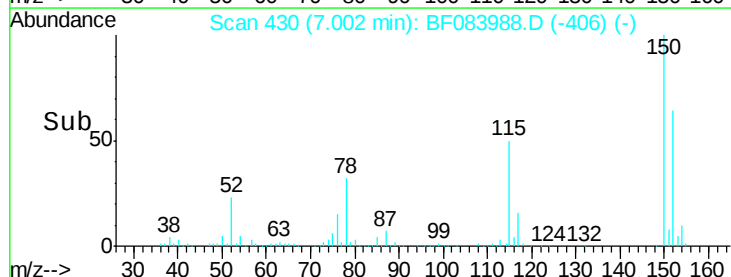
77 89.2 50.0 75.0#

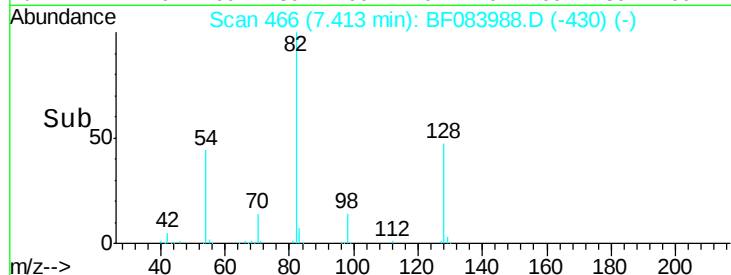
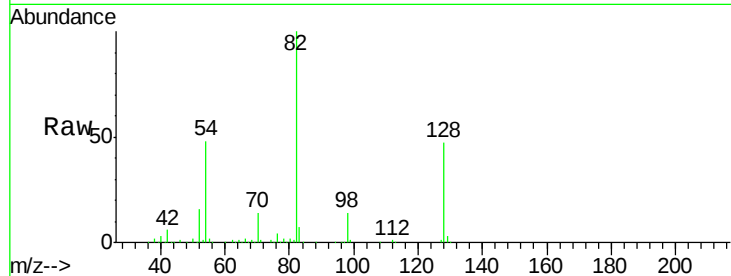
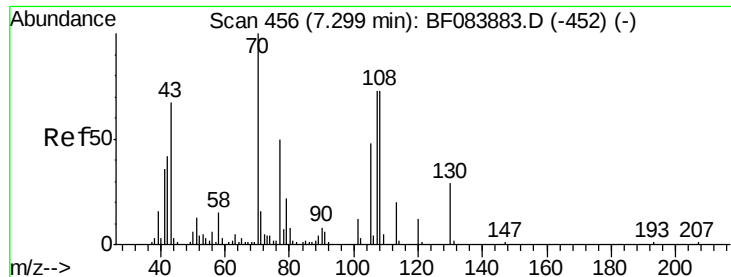


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

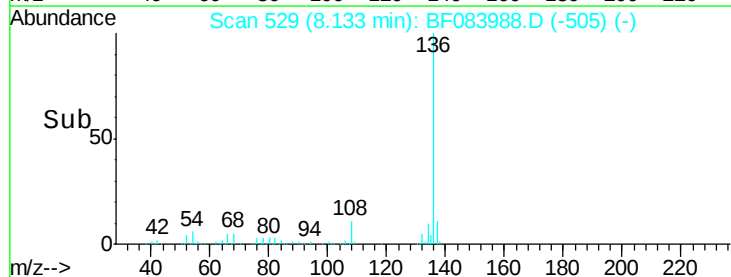
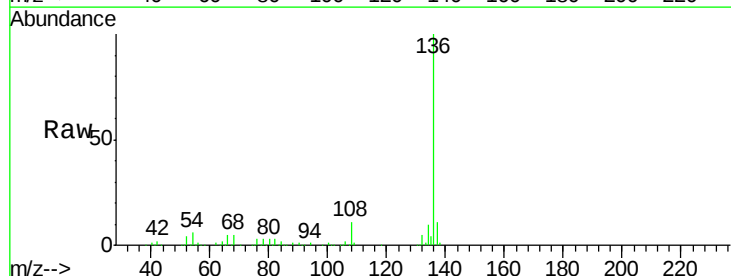
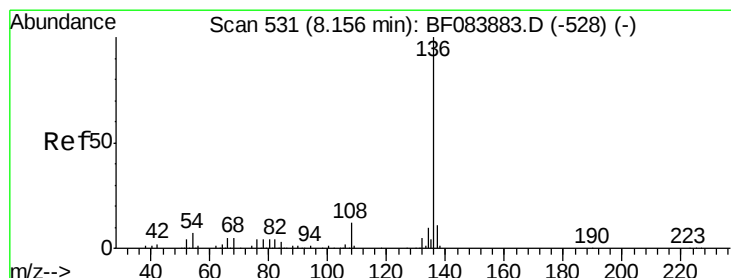
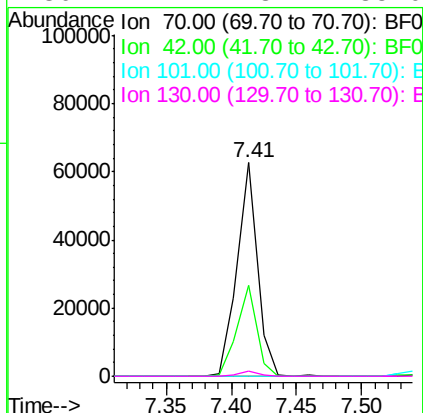




#19
n-Nitroso-di-n-propylamine
Concen: 18.01 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

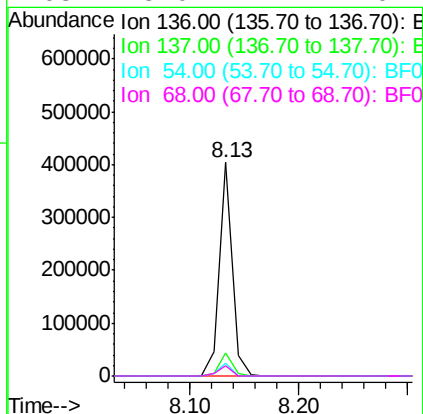
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

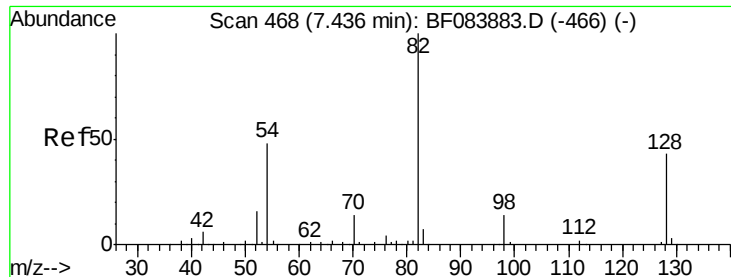
Tgt Ion: 70 Resp: 67972
Ion Ratio Lower Upper
70 100
42 42.3 33.3 49.9
101 0.0 9.3 13.9#
130 2.2 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion: 136 Resp: 339149
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.1 5.8 8.8
68 5.0 4.2 6.2

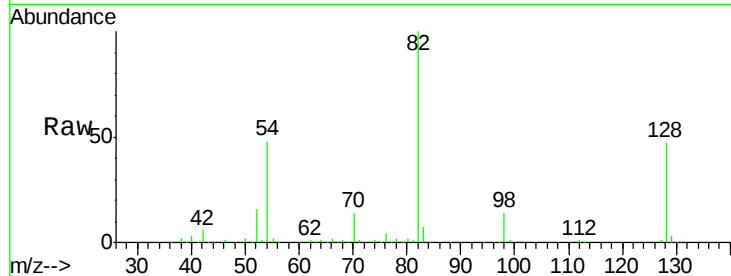




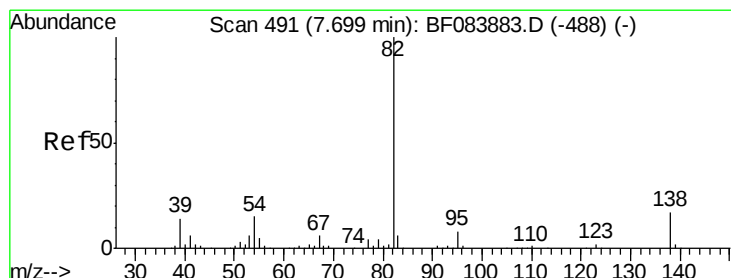
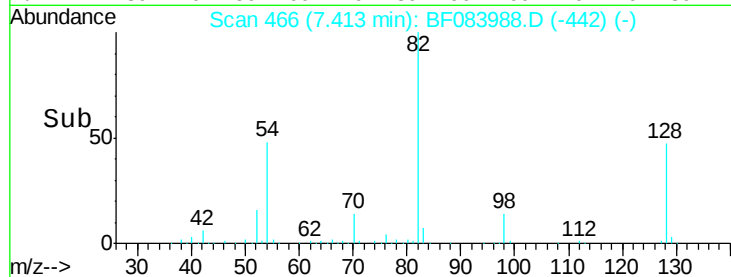
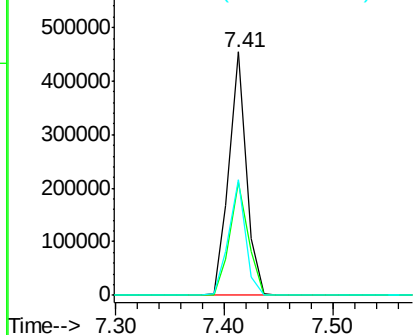
#23
 Nitrobenzene-d5
 Concen: 85.16 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

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

Tgt Ion: 82 Resp: 506051
 Ion Ratio Lower Upper
 82 100
 128 46.7 34.6 51.8
 54 47.7 38.4 57.6

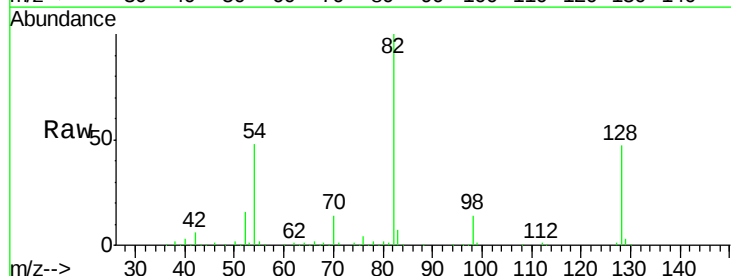


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

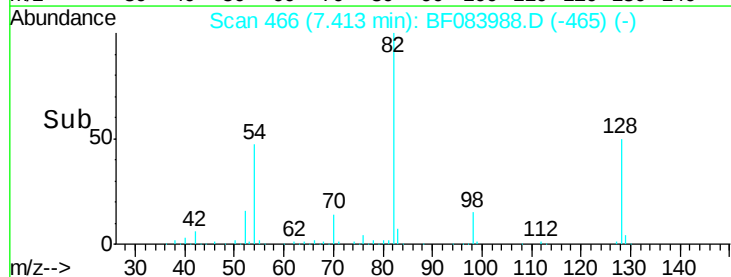
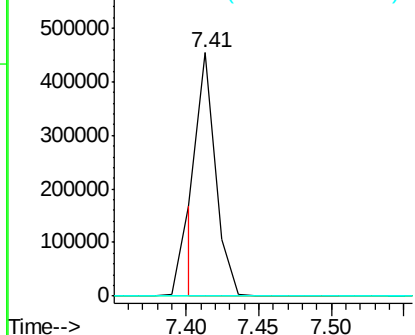


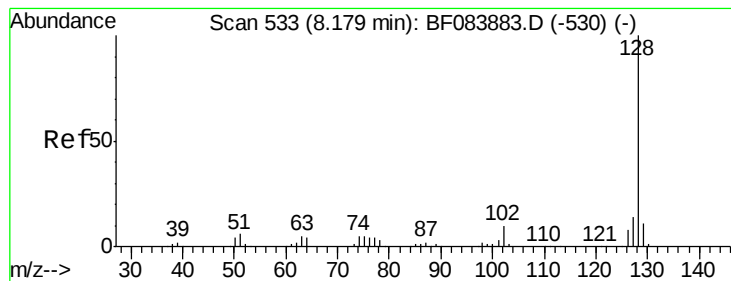
#25
 Isophorone
 Concen: 34.58 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.29 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

Tgt Ion: 82 Resp: 386583
 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): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: Below Cal

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

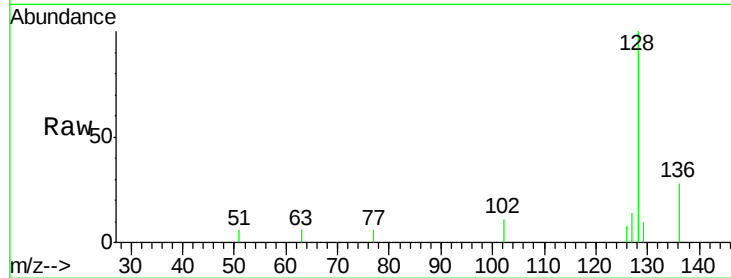
Tgt Ion:128 Resp: 4810

Ion Ratio Lower Upper

128 100

129 10.2 9.1 13.7

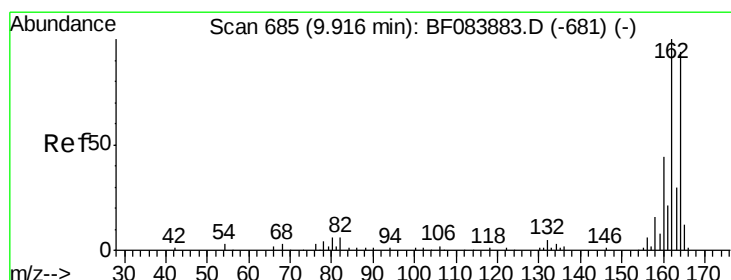
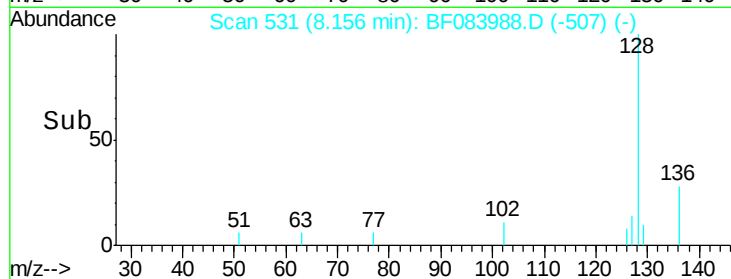
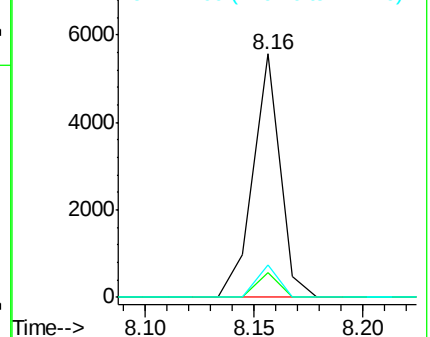
127 13.6 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

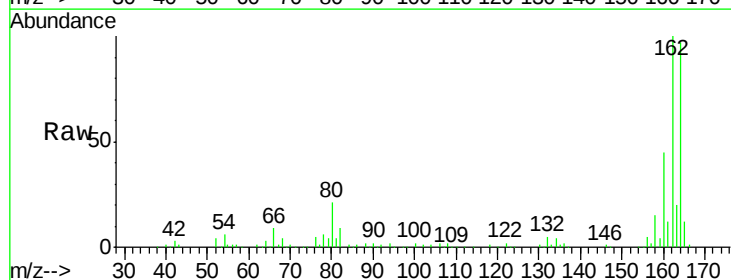
Tgt Ion:164 Resp: 144689

Ion Ratio Lower Upper

164 100

162 102.8 85.1 127.7

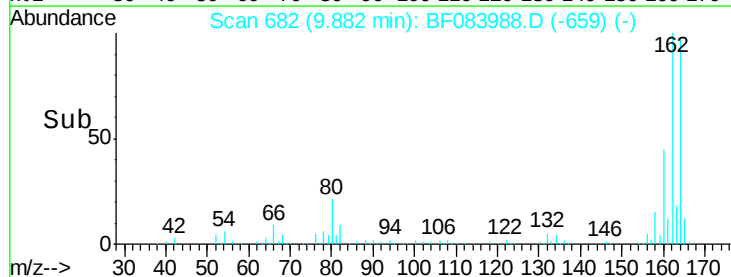
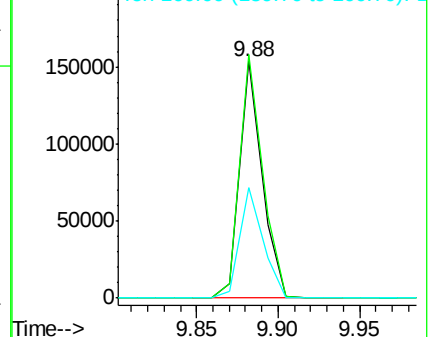
160 46.6 37.5 56.3

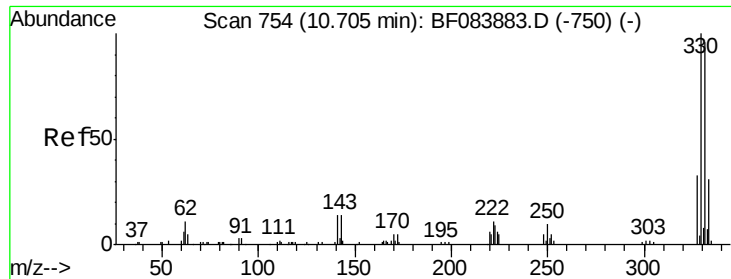


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

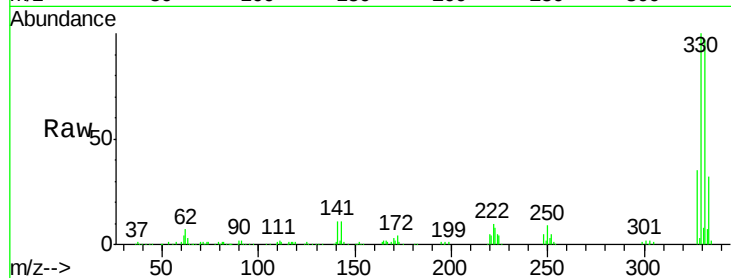




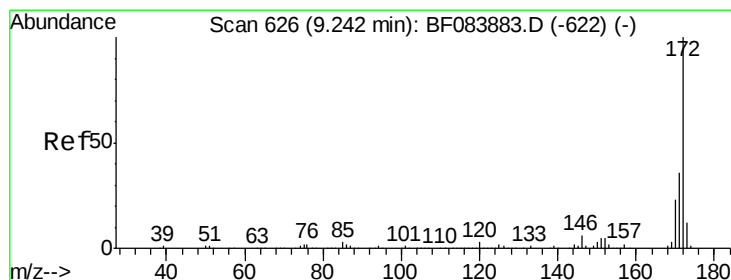
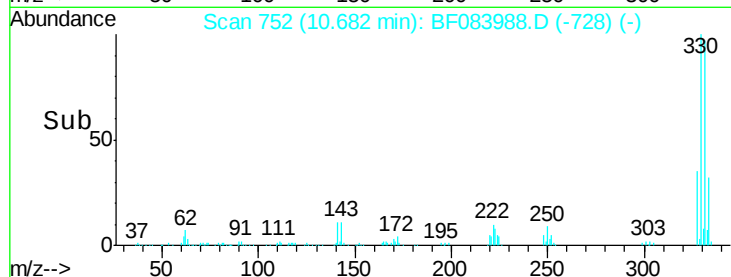
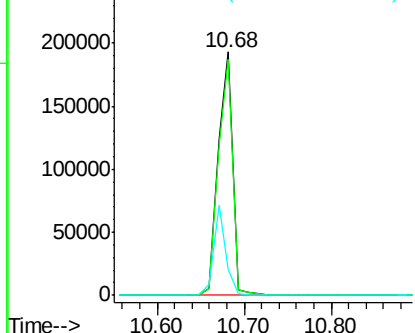
#41
 2,4,6-Tribromophenol
 Concen: 143.57 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

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

Tgt Ion:330 Resp: 228851
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 31.5 27.8 41.6

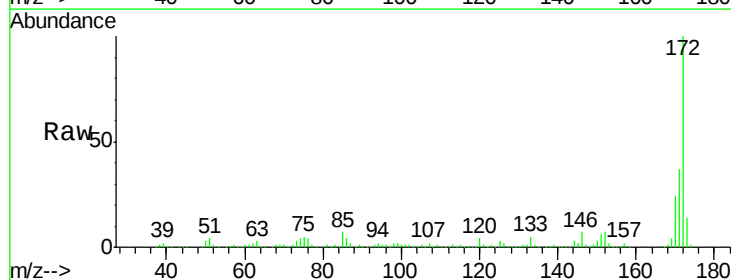


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

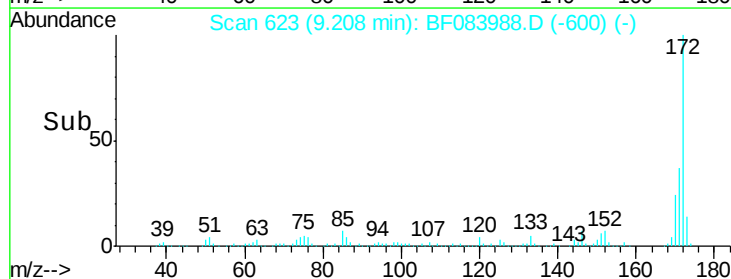
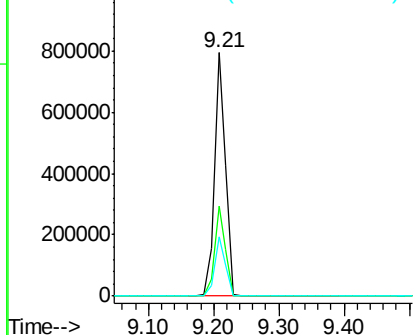


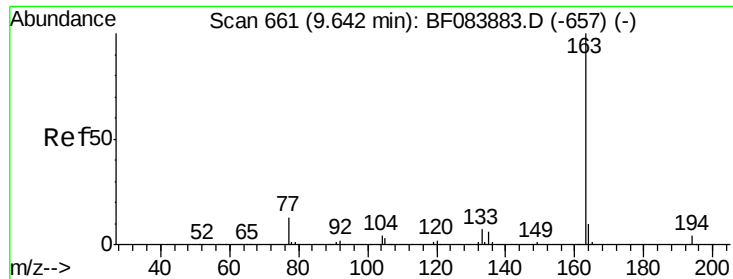
#44
 2-Fluorobiphenyl
 Concen: 94.84 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

Tgt Ion:172 Resp: 959499
 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

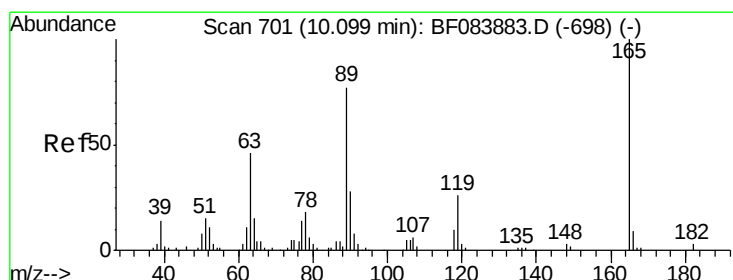
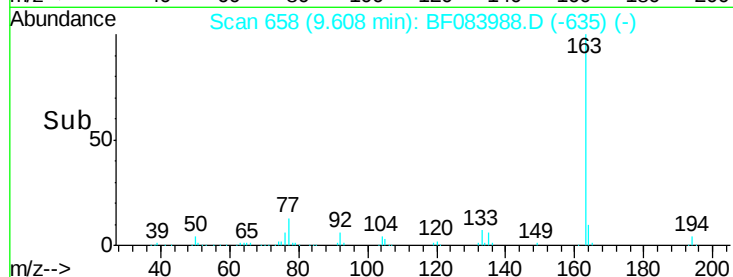
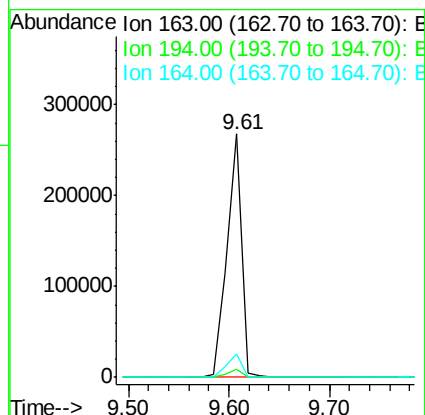
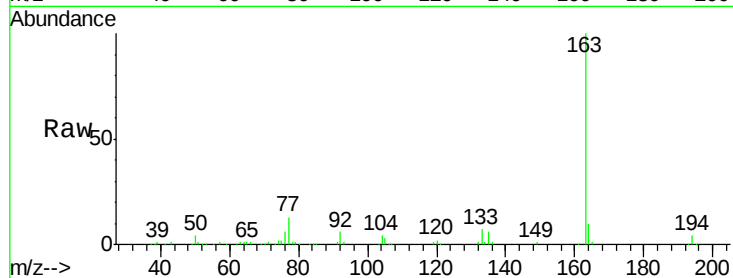




#49
Dimethylphthalate
Concen: 22.30 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.03 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

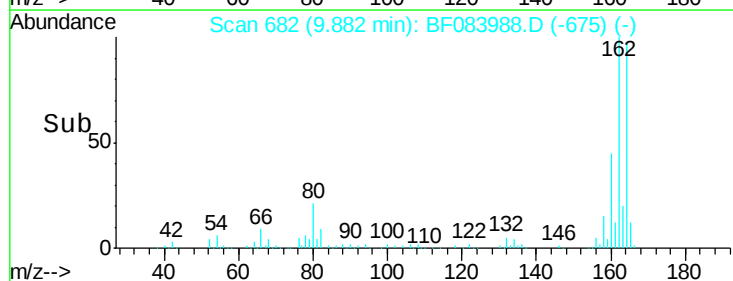
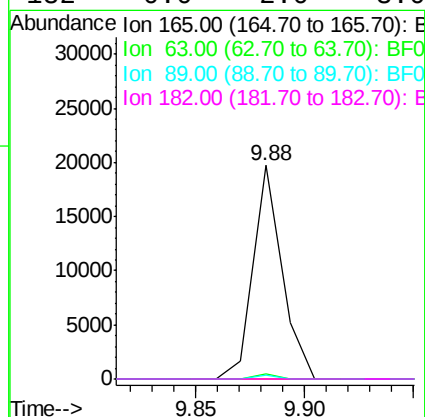
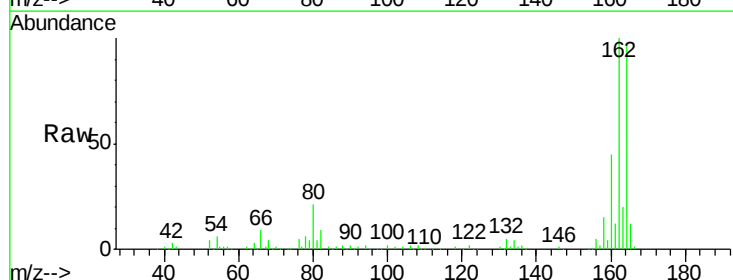
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

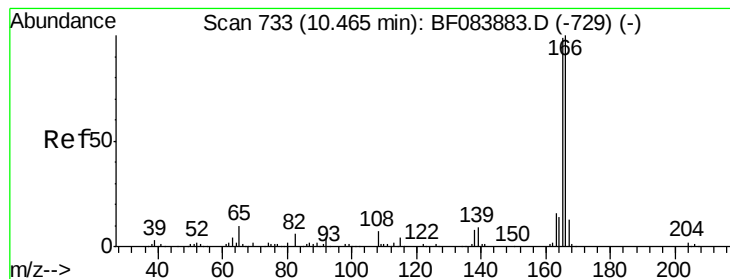
Tgt Ion:163 Resp: 270713
Ion Ratio Lower Upper
163 100
194 3.6 8.0 12.0#
164 9.6 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 5.36 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.22 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion:165 Resp: 18186
Ion Ratio Lower Upper
165 100
63 2.3 36.7 55.1#
89 1.8 61.9 92.9#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.43 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

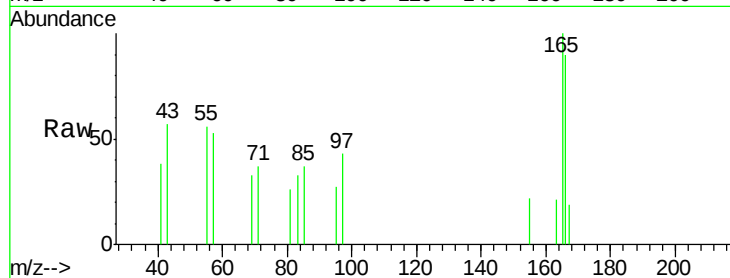
Tgt Ion:166 Resp: 1398

Ion Ratio Lower Upper

166 100

165 110.8 79.1 118.7

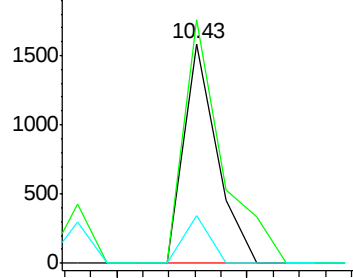
167 21.6 10.4 15.6#



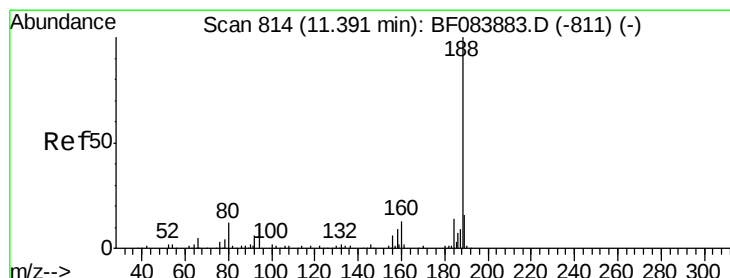
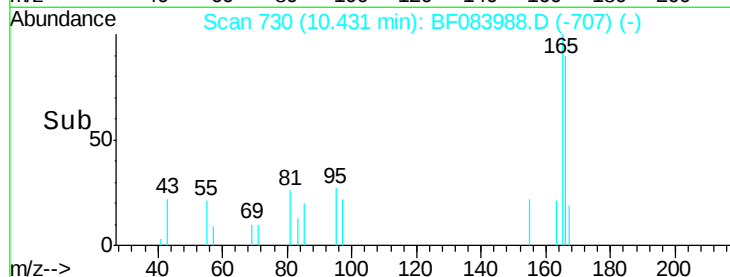
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

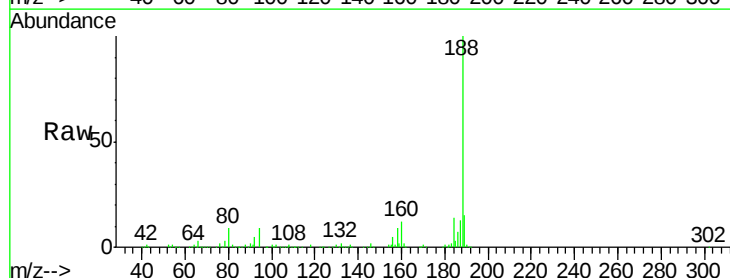
Tgt Ion:188 Resp: 260662

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

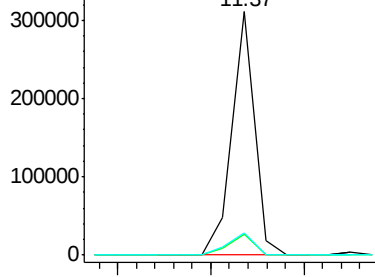
80 9.2 9.6 14.4#



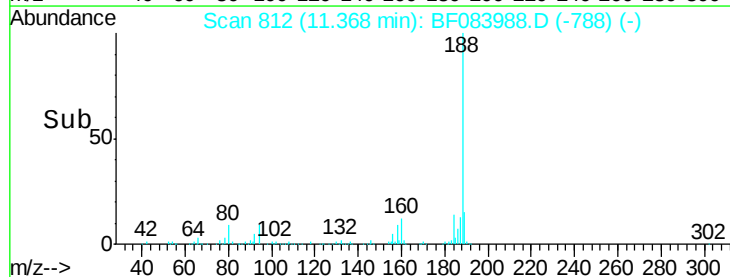
Abundance Ion 188.00 (187.70 to 188.70): E

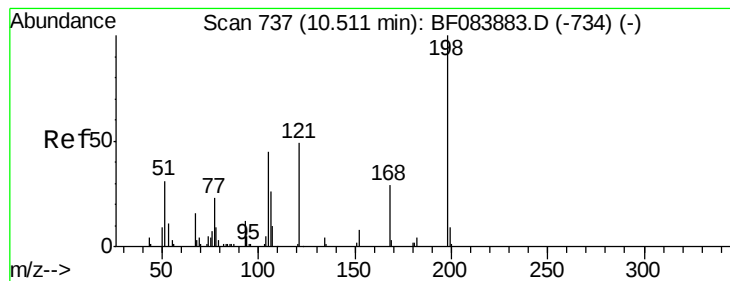
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->





#64

4,6-Dinitro-2-methylphenol

Concen: 4.11 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.16 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

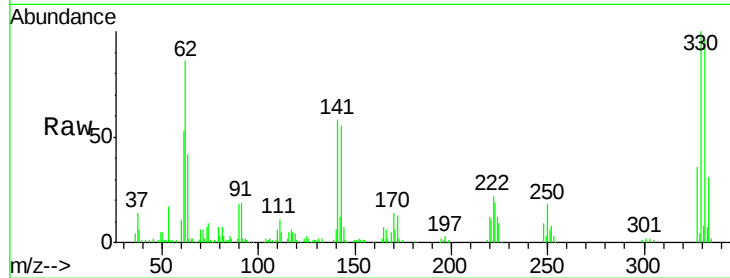
Tgt Ion:198 Resp: 311

Ion Ratio Lower Upper

198 100

51 236.0 18.9 58.9#

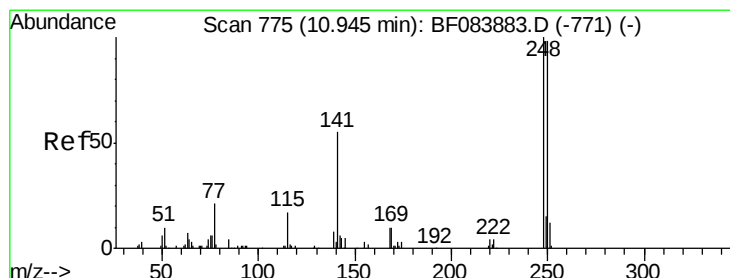
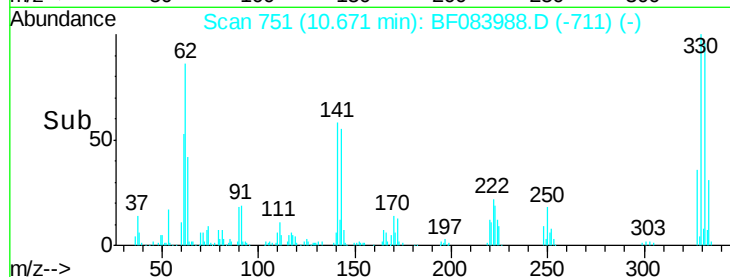
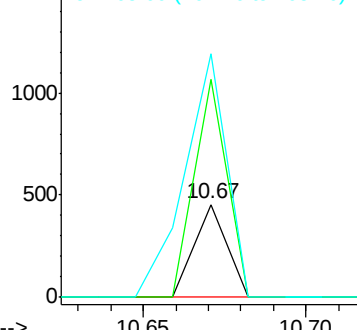
105 262.9 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.51 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

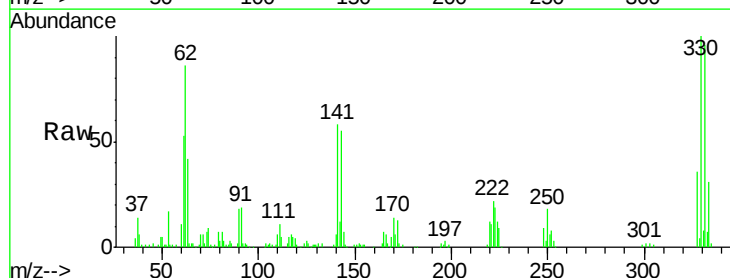
Tgt Ion:248 Resp: 14374

Ion Ratio Lower Upper

248 100

250 195.5 78.4 117.6#

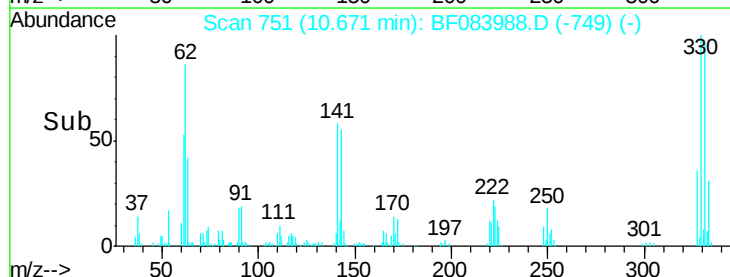
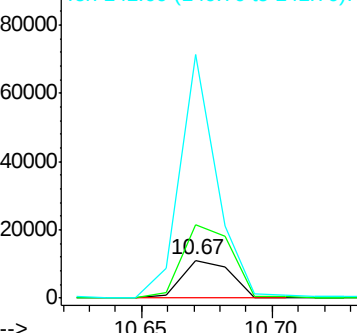
141 643.4 44.0 66.0#

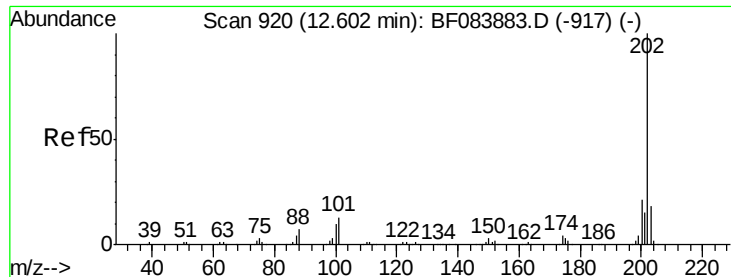


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.62 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

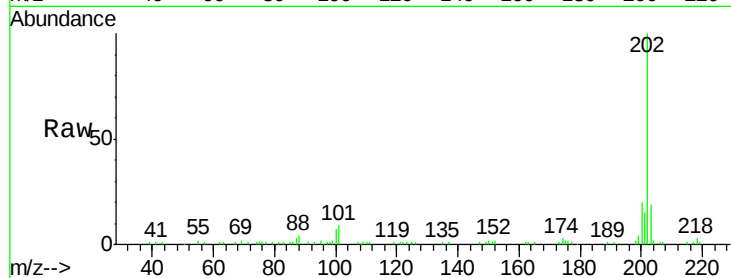
Tgt Ion:202 Resp: 56869

Ion Ratio Lower Upper

202 100

101 9.4 0.0 32.8

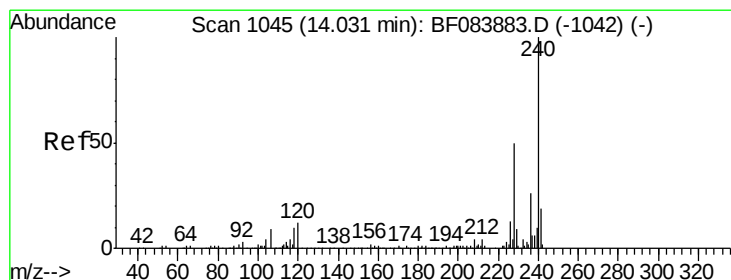
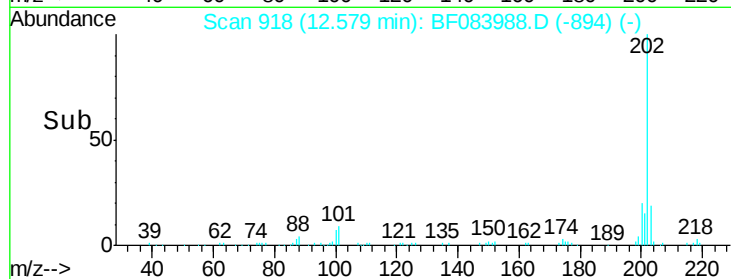
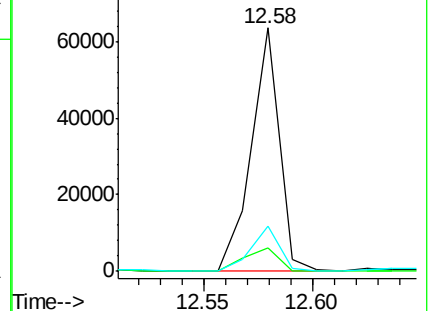
203 18.6 0.0 37.9



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: 14.00 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

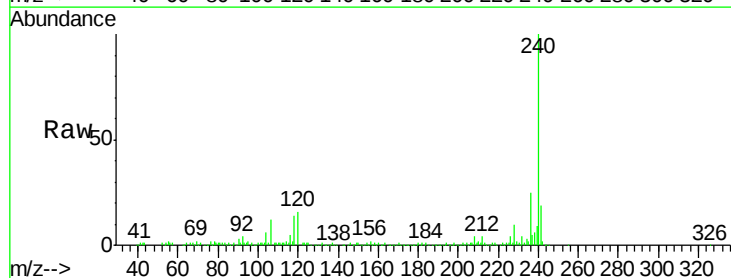
Tgt Ion:240 Resp: 171411

Ion Ratio Lower Upper

240 100

120 15.6 9.5 14.3#

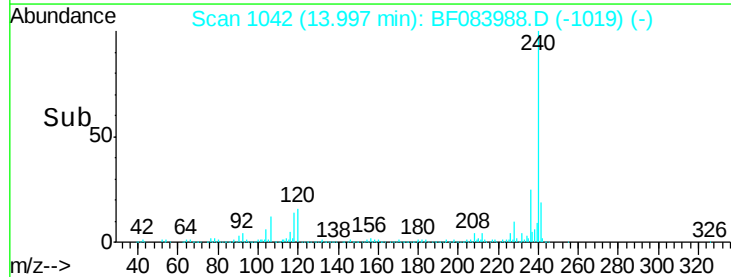
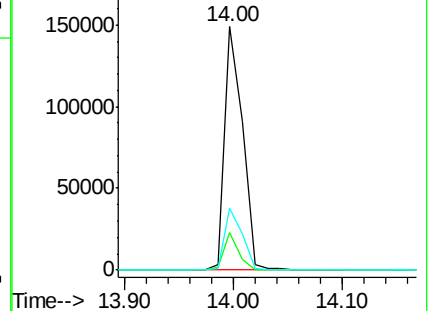
236 25.2 20.6 31.0

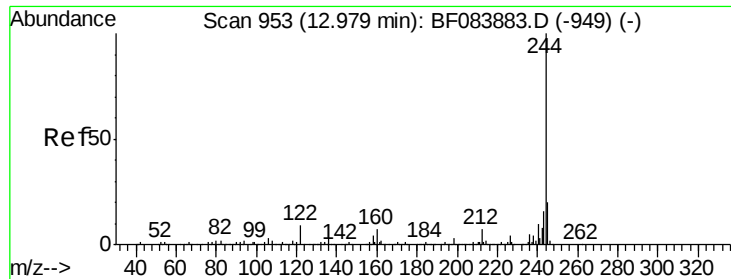


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

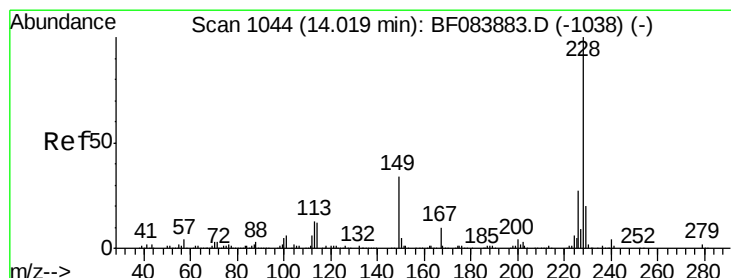
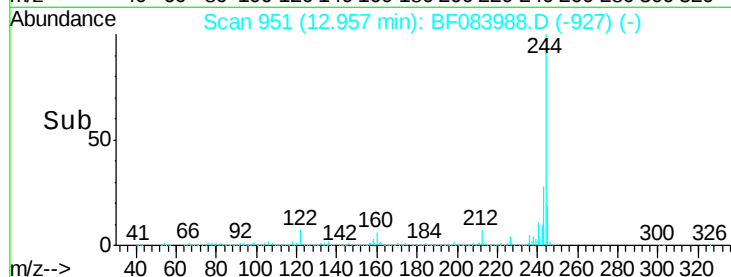
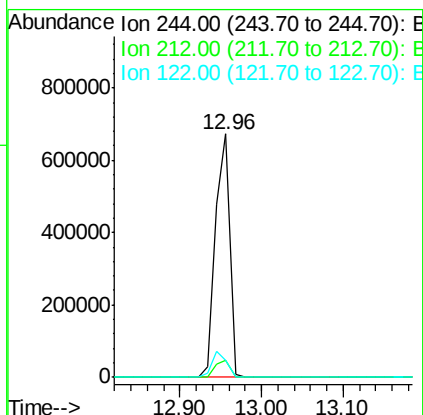
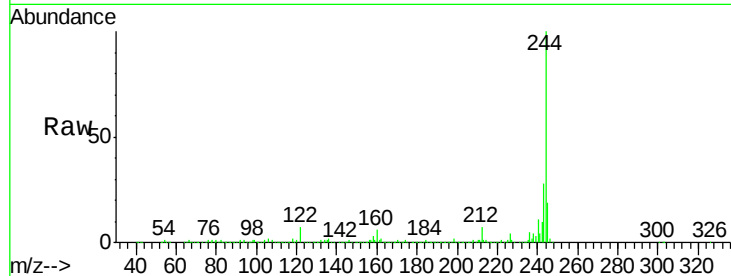




#78
 Terphenyl-d14
 Concen: 113.92 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

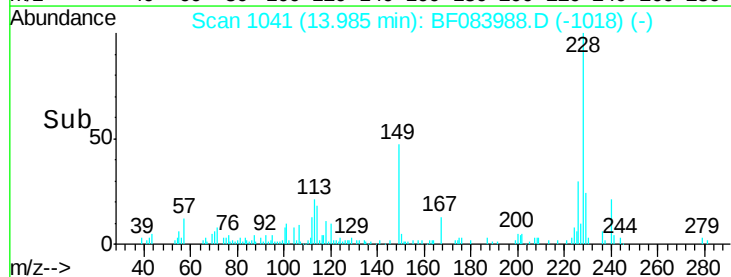
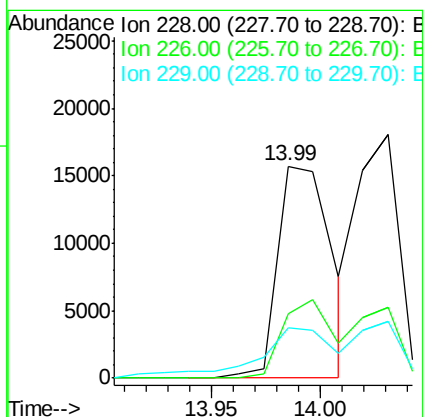
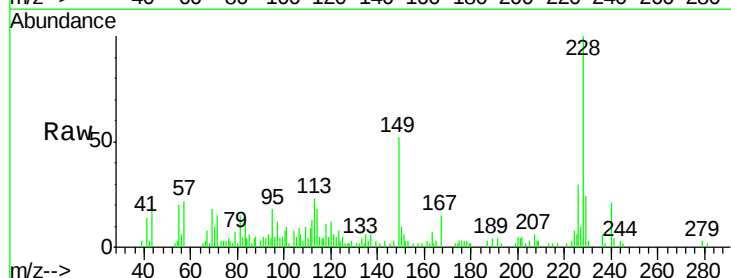
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-3(0-2)

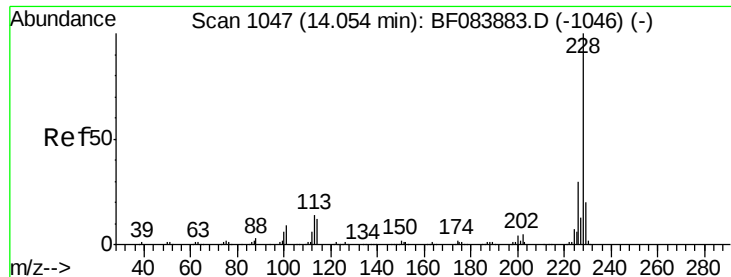
Tgt Ion:244 Resp: 819547
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 7.2 7.4 11.0#



#80
 Benzo(a)anthracene
 Concen: 2.57 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF083988.D
 Acq: 20 Dec 2015 9:08

Tgt Ion:228 Resp: 27129
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.8 32.6
 229 23.7 15.8 23.8

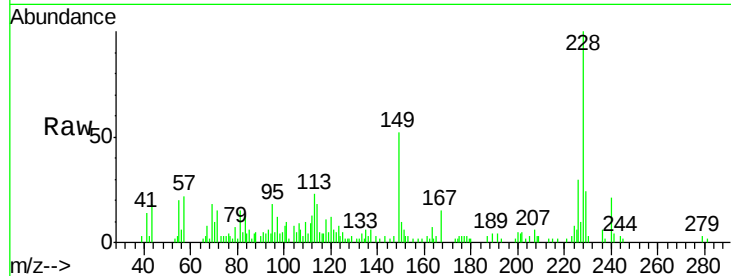




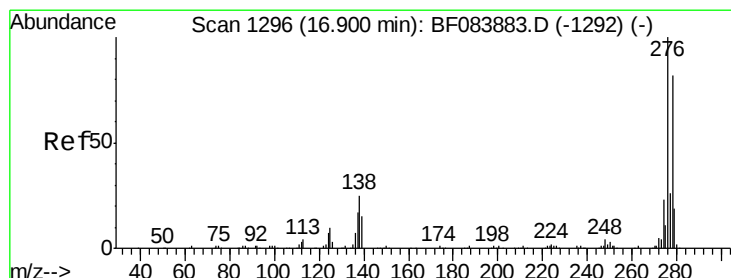
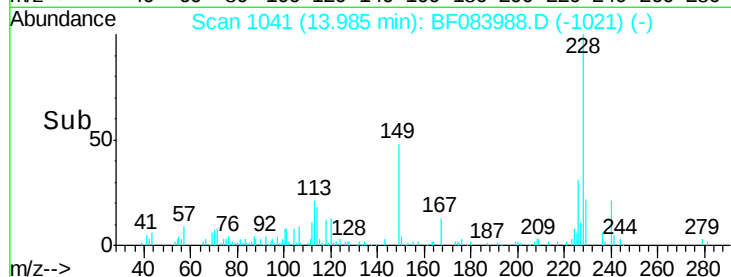
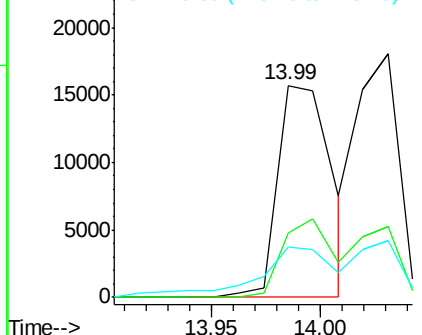
#82
Chrysene
Concen: 2.66 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.07 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

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

Tgt Ion: 228 Resp: 27129
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.7 16.1 24.1

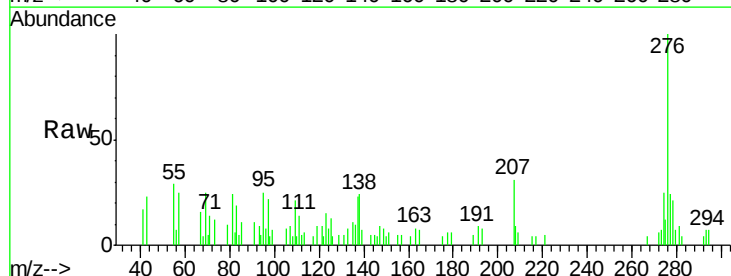


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

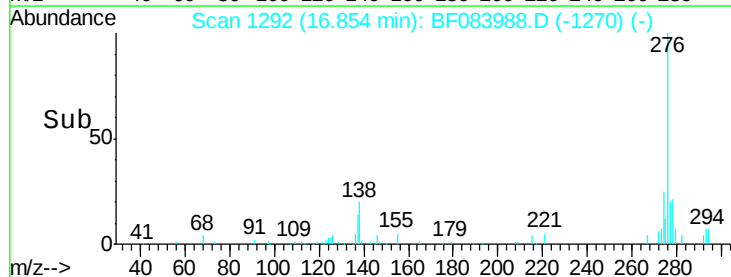
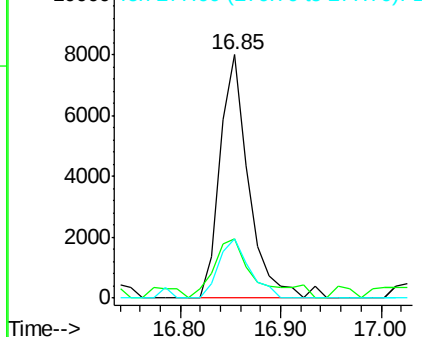


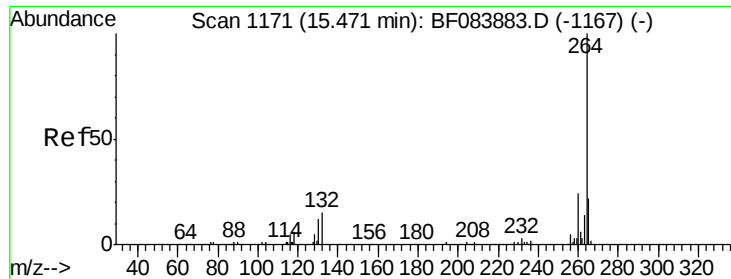
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.09 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion: 276 Resp: 15905
Ion Ratio Lower Upper
276 100
138 33.9 20.6 30.8#
277 25.8 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

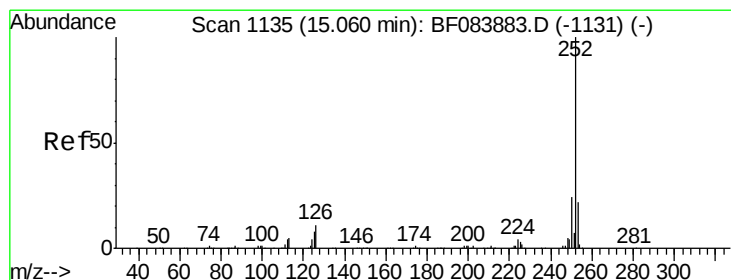
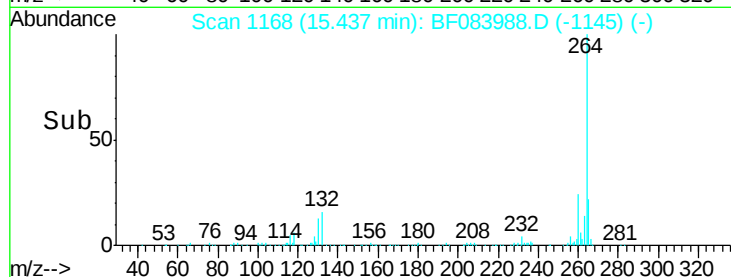
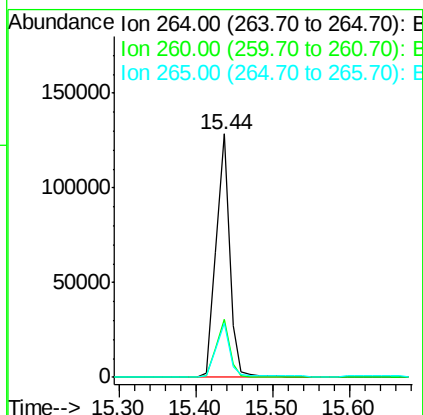
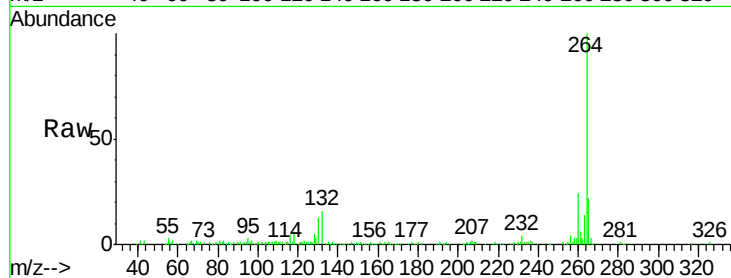




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

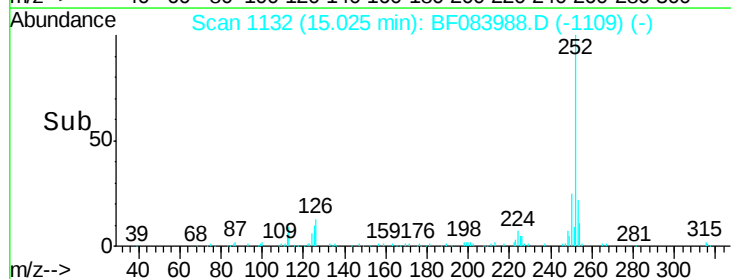
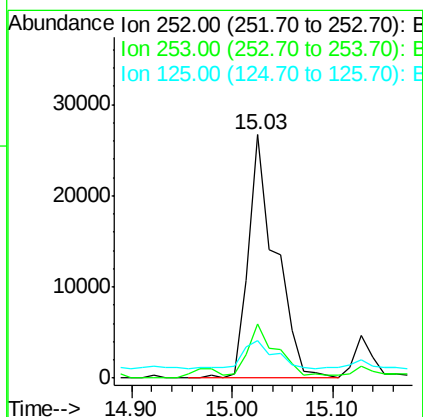
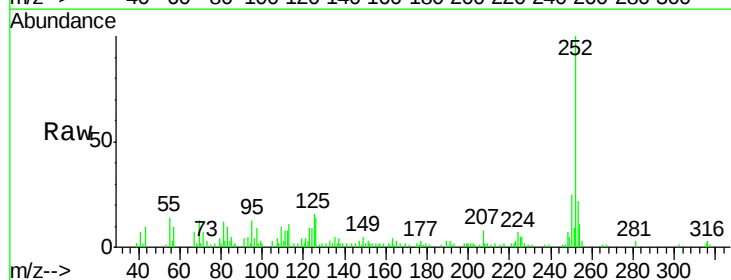
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-3(0-2)

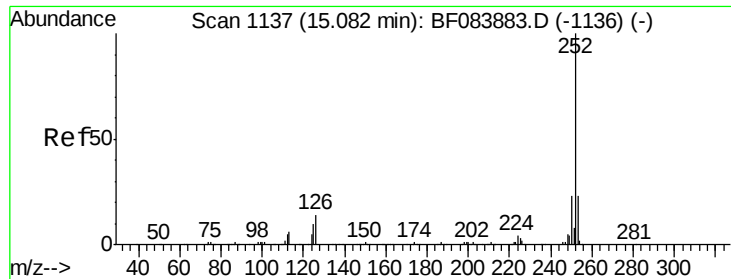
Tgt Ion:264 Resp: 160097
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 22.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 4.26 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.03 min
Lab File: BF083988.D
Acq: 20 Dec 2015 9:08

Tgt Ion:252 Resp: 49765
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 15.5 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 5.17 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.06 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

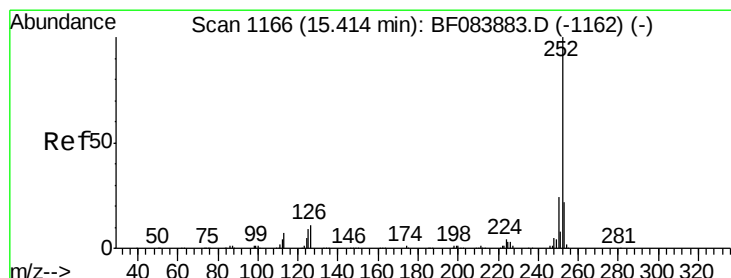
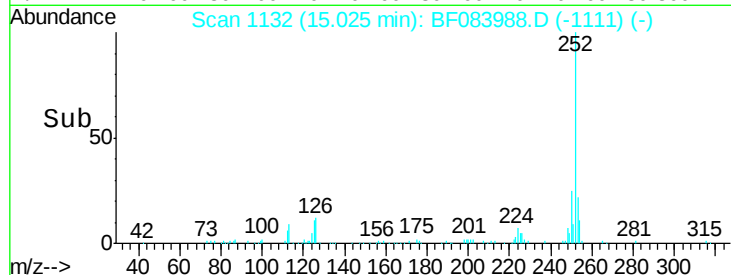
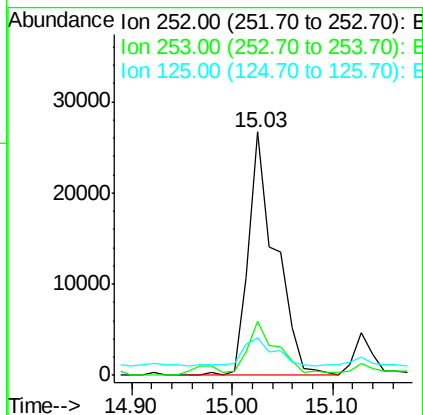
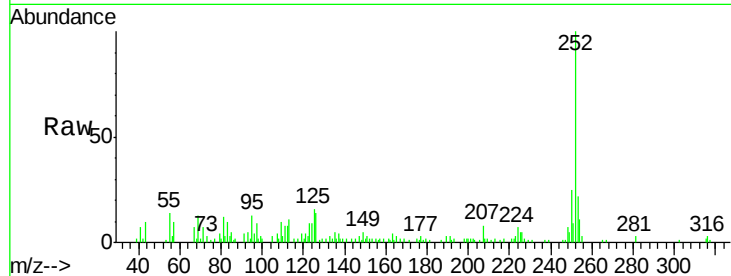
Instrument :

BNA_F

ClientSampleId :

STOCKPILE-3(0-2)

Tgt Ion:	252	Resp:	49765
Ion Ratio		Lower	Upper
252	100		
253	22.3	18.1	27.1
125	15.5	9.0	13.6#



#89

Benzo(a)pyrene

Concen: 2.00 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF083988.D

Acq: 20 Dec 2015 9:08

Tgt Ion:	252	Resp:	19314
Ion Ratio		Lower	Upper
252	100		
253	24.2	17.3	25.9
125	17.1	7.0	10.4#

