

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020216\
 Data File : BF084770.D
 Acq On : 3 Feb 2016 3:55
 Operator : SJ/IZ
 Sample : H1290-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Quant Time: Feb 03 06:26:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

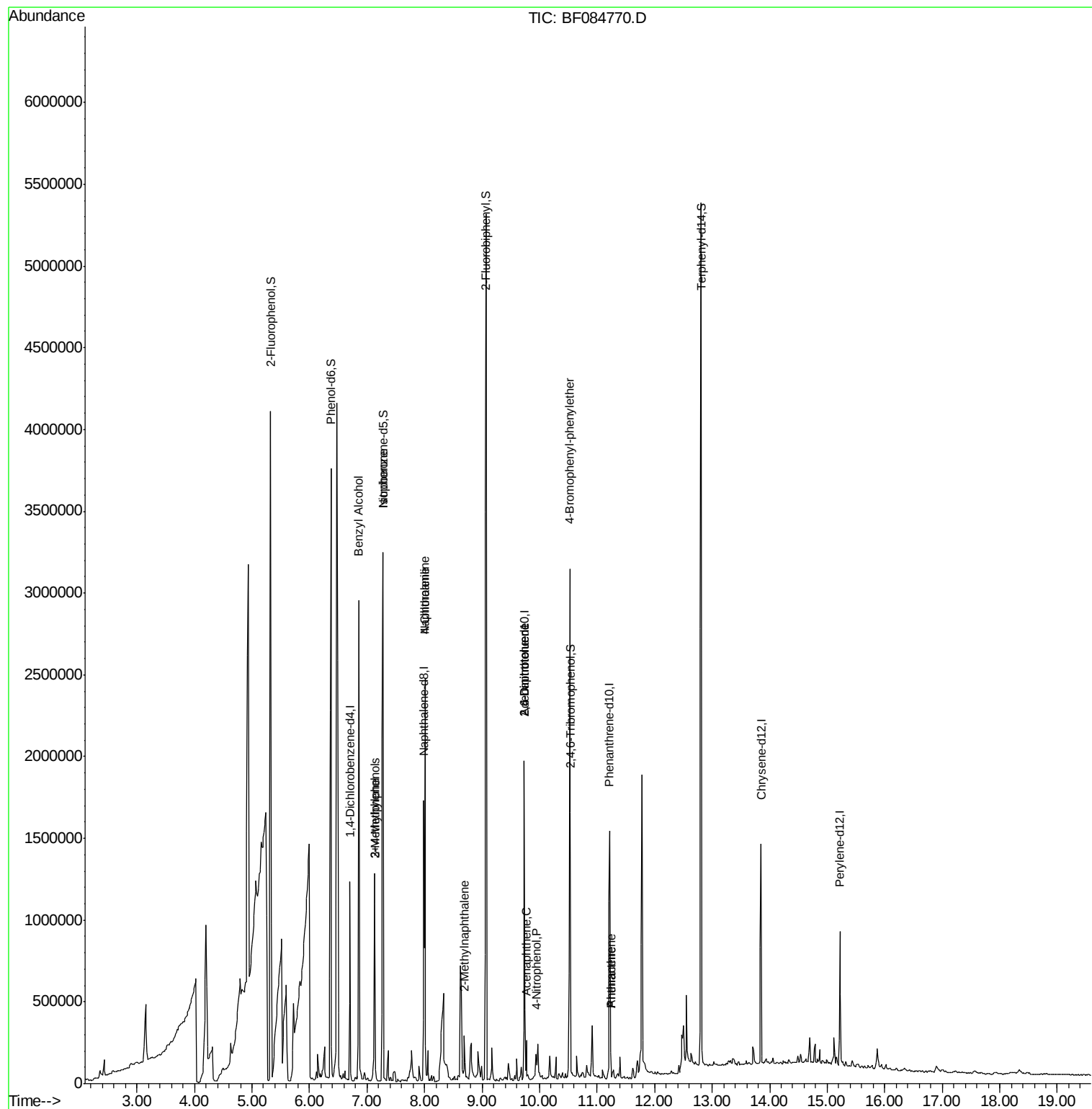
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	193751	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	776177	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	370371	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	712056	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	544185	20.00	ng	-0.02
86) Perylene-d12	15.22	264	371215	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1236145	99.38	ng	0.01
7) Phenol-d6	6.37	99	1588986	103.04	ng	0.00
23) Nitrobenzene-d5	7.28	82	1286754	93.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	508443	131.61	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	2167955	108.71	ng	-0.02
78) Terphenyl-d14	12.81	244	1807287	75.26	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	6.85	79	26615	2.50	ng	# 43
17) 2-Methylphenol	7.14	107	452976	40.68	ng	# 70
20) 3+4-Methylphenols	7.14	107	452976	32.77	ng	89
25) Isophorone	7.28	82	1199508	44.77	ng	# 66
31) Naphthalene	8.01	128	1013185	26.02	ng	99
33) 4-Chloroaniline	8.01	127	135798	8.43	ng	# 31
37) 2-Methylnaphthalene	8.69	142	74944	3.08	ng	94
50) 2,6-Dinitrotoluene	9.73	165	47253	7.67	ng	# 43
51) Acenaphthene	9.77	154	52952	2.20	ng	98
55) 4-Nitrophenol	9.94	139	18095	3.56	ng	# 14
56) 2,4-Dinitrotoluene	9.73	165	47253	6.01	ng	# 26
66) 4-Bromophenyl-phenylether	10.52	248	29325	3.73	ng	# 1
70) Phenanthrene	11.24	178	85332	2.16	ng	100
71) Anthracene	11.24	178	85332	2.14	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

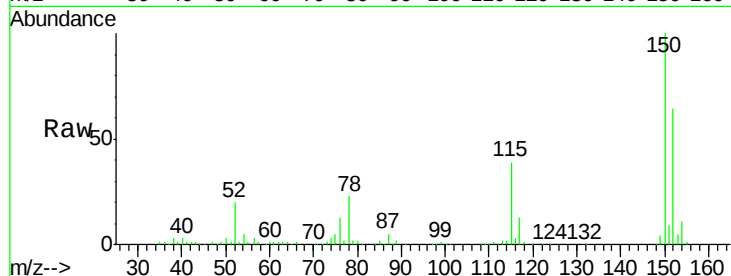
Tgt Ion:152 Resp: 193751

Ion Ratio Lower Upper

152 100

150 156.3 123.0 184.4

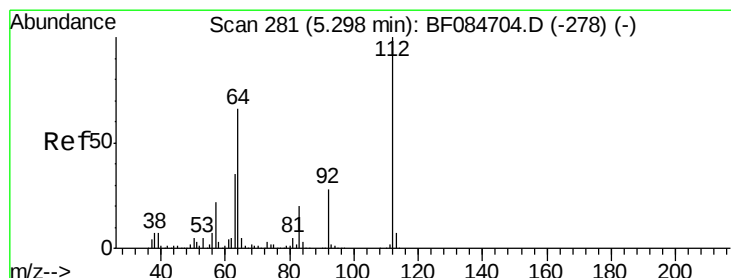
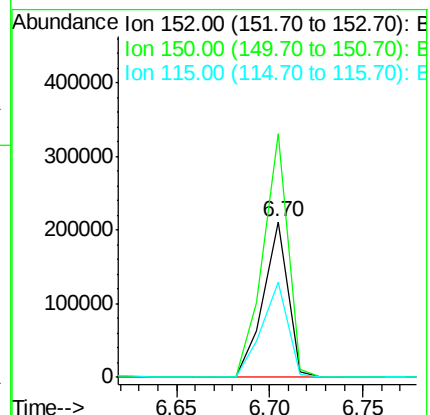
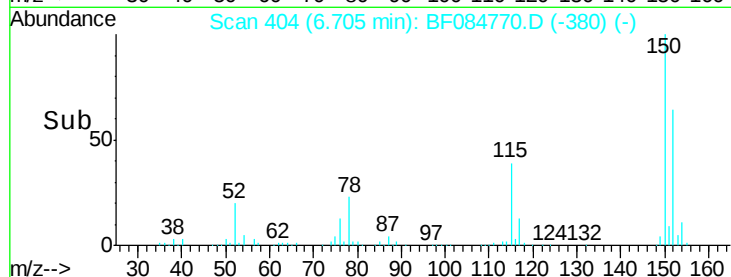
115 61.0 51.4 77.2



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: 99.38 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

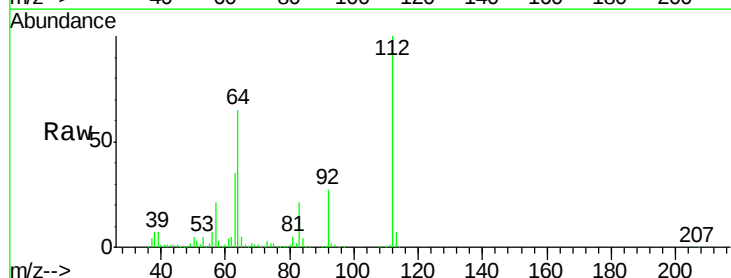
Tgt Ion:112 Resp: 1236145

Ion Ratio Lower Upper

112 100

64 65.3 36.6 55.0#

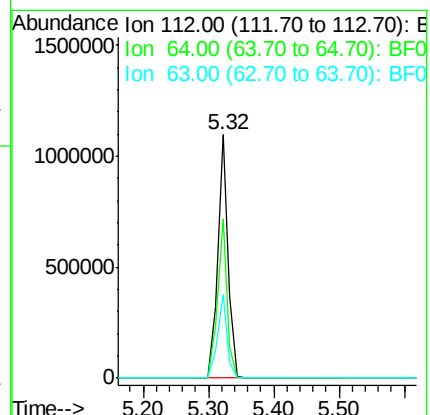
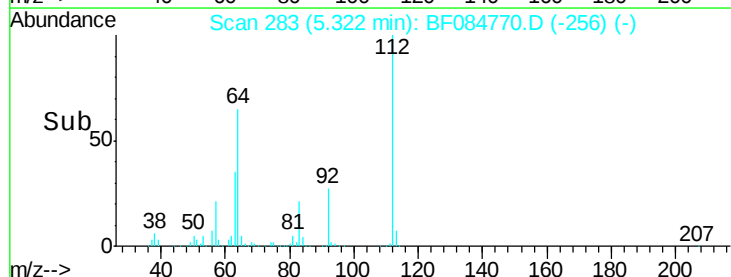
63 34.5 19.4 29.0#



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: 103.04 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

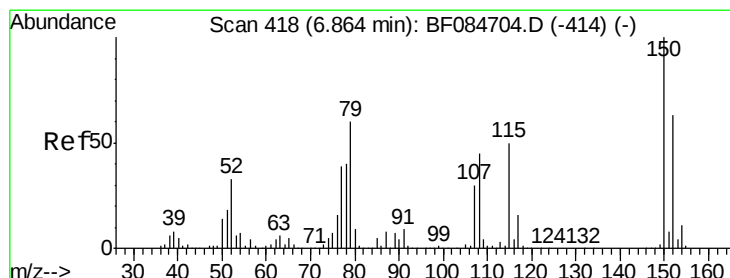
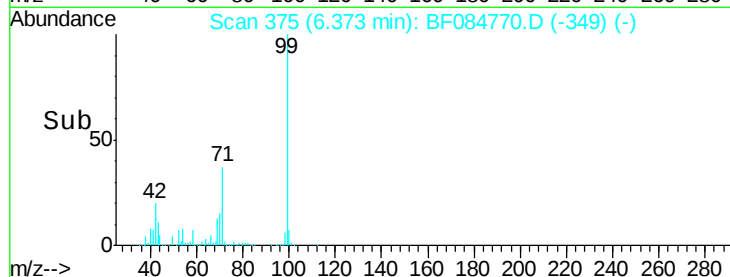
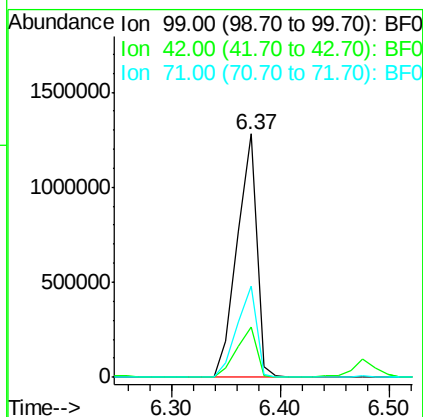
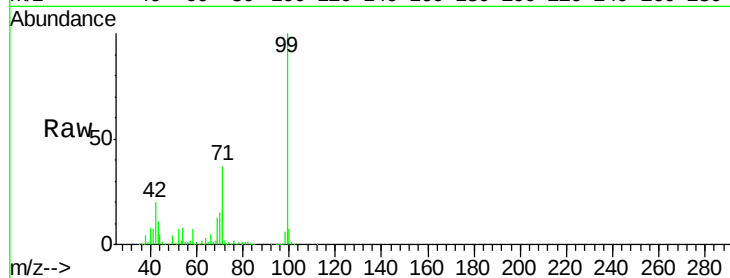
Tgt Ion: 99 Resp: 1588986

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

71 37.5 30.9 46.3



#15

Benzyl Alcohol

Concen: 2.50 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

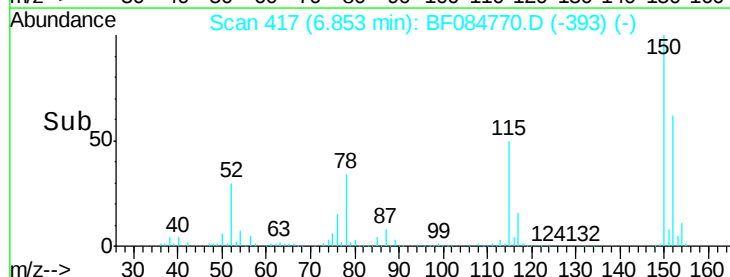
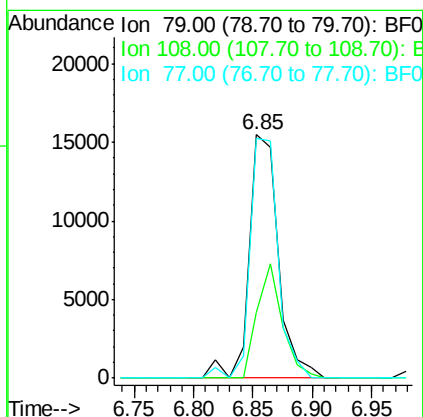
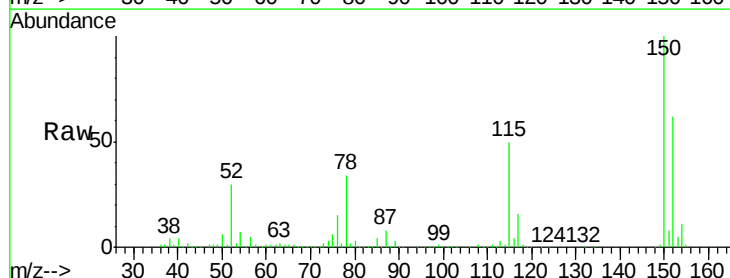
Tgt Ion: 79 Resp: 26615

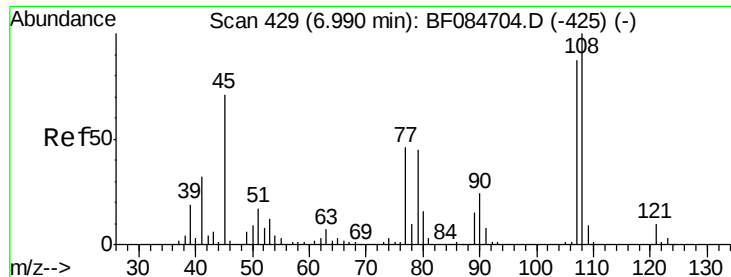
Ion Ratio Lower Upper

79 100

108 26.8 69.0 103.4#

77 98.3 50.0 75.0#

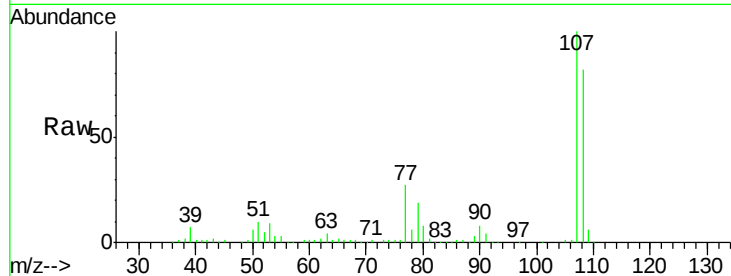




#17
2-Methylphenol
Concen: 40.68 ng
RT: 7.14 min Scan# 442
Delta R.T. 0.14 min
Lab File: BF084770.D
Acq: 3 Feb 2016 3:55

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.3	89.8	134.6#
77	26.6	35.7	53.5#
79	19.3	35.7	53.5#



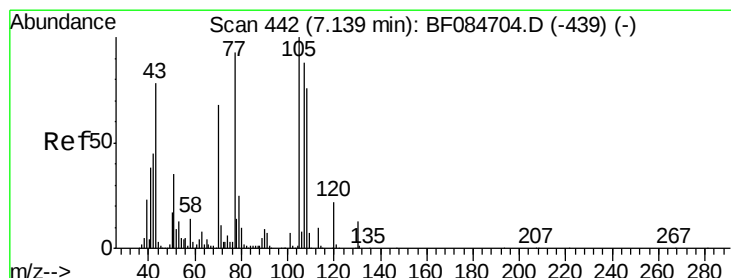
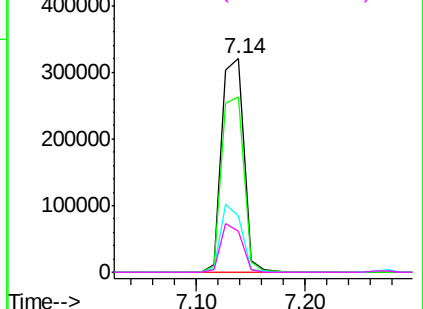
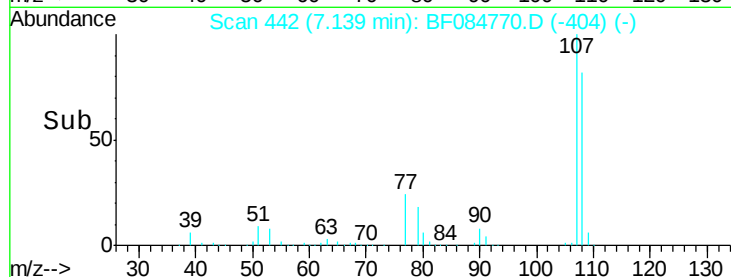
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

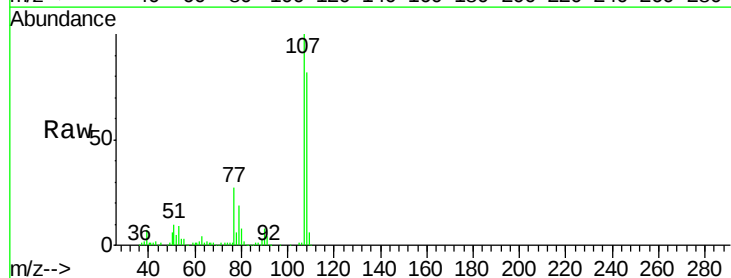
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#20
3+4-Methylphenols
Concen: 32.77 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF084770.D
Acq: 3 Feb 2016 3:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.3	74.6	114.6
77	26.6	0.7	40.7
79	19.3	0.0	39.0



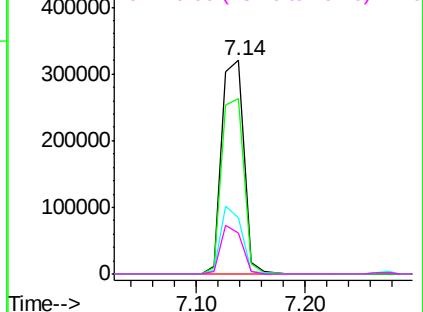
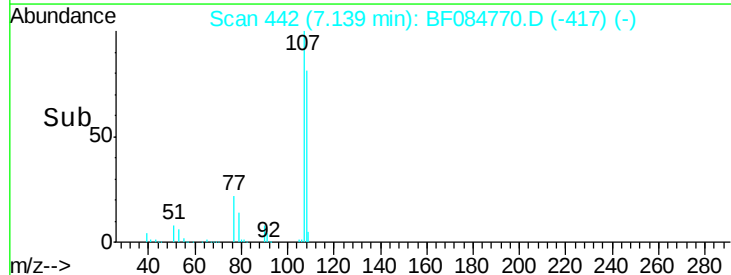
Abundance

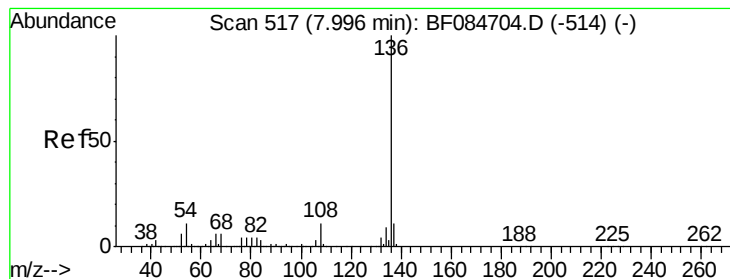
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

Tgt Ion: 136 Resp: 776177

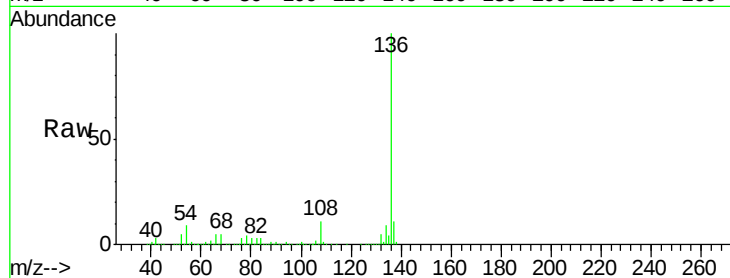
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 9.1 5.8 8.8#

68 5.3 4.2 6.2

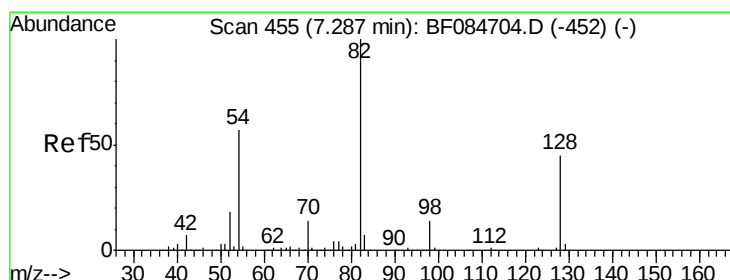
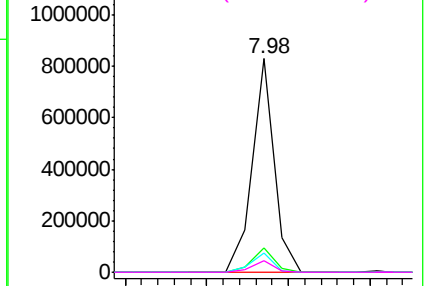
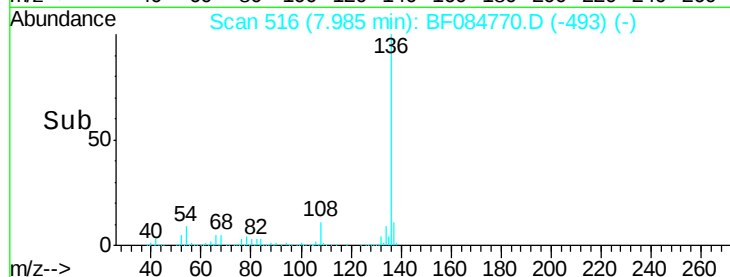


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.39 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

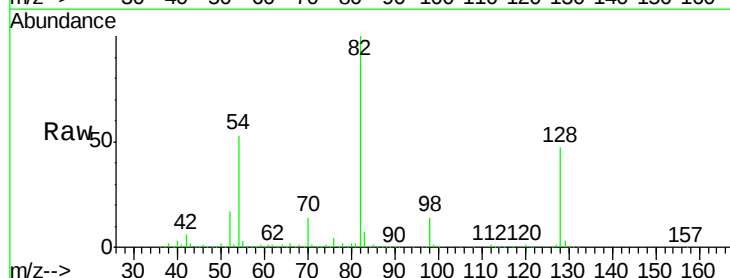
Tgt Ion: 82 Resp: 1286754

Ion Ratio Lower Upper

82 100

128 47.2 34.6 51.8

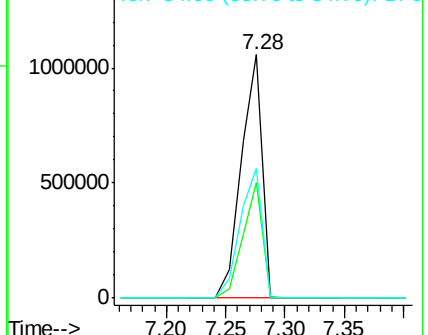
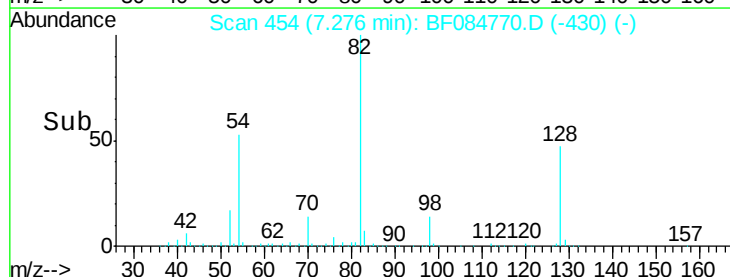
54 53.5 38.4 57.6

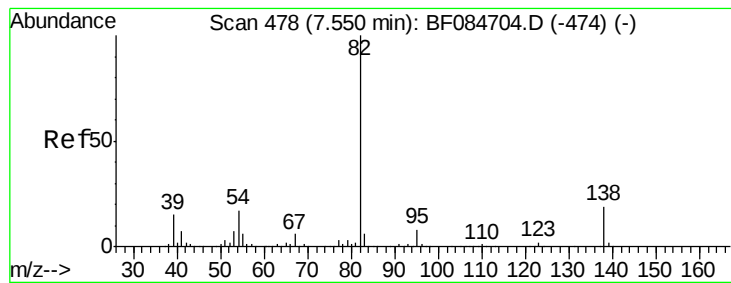


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.77 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.29 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

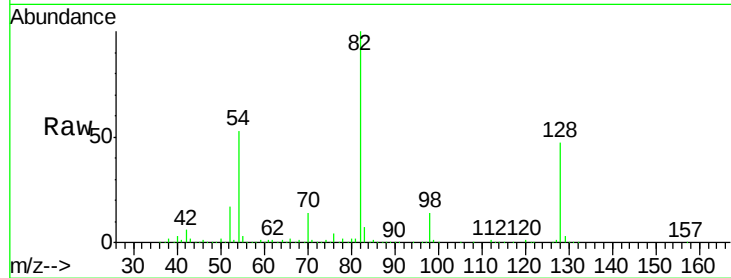
Tgt Ion: 82 Resp: 1199508

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

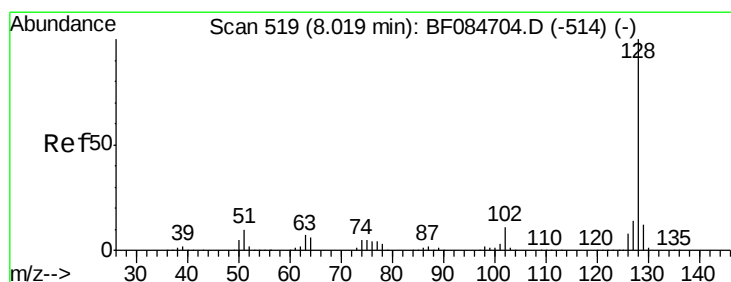
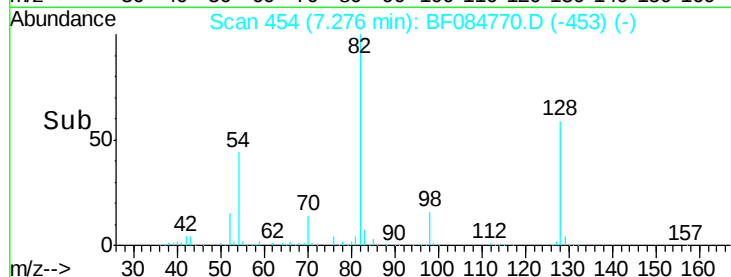
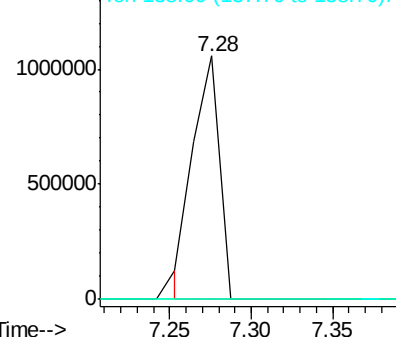
138 0.0 13.6 20.4#



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): E



#31

Naphthalene

Concen: 26.02 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

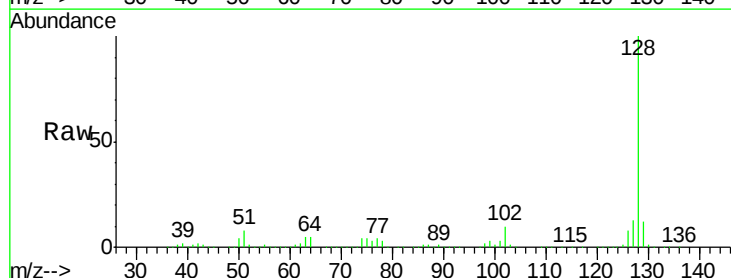
Tgt Ion: 128 Resp: 1013185

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

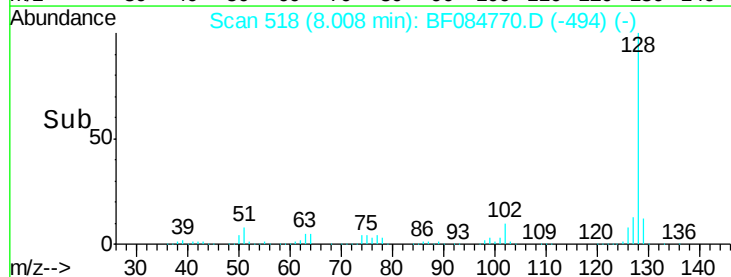
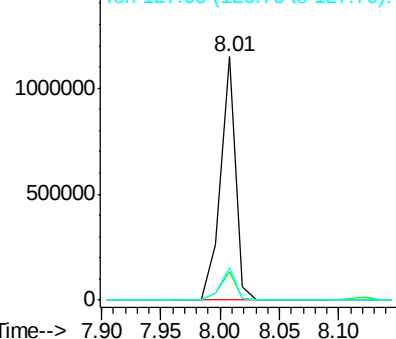
127 13.5 11.1 16.7

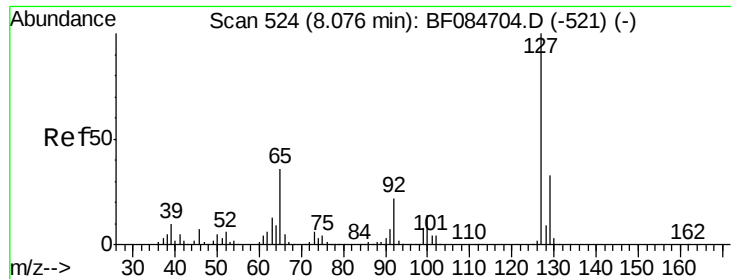


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

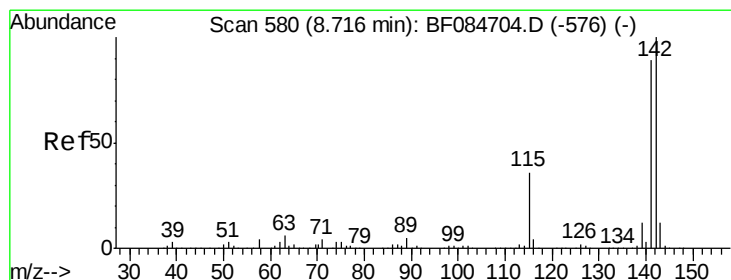
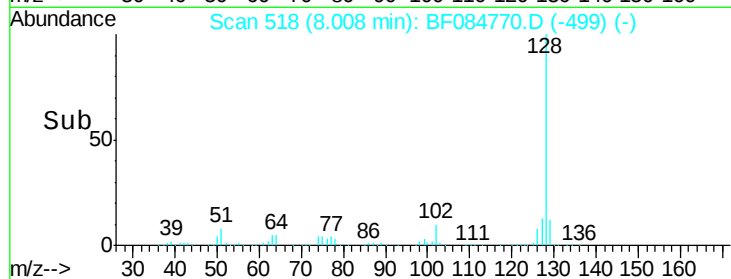
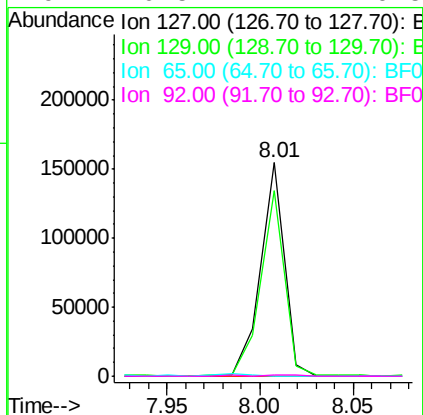
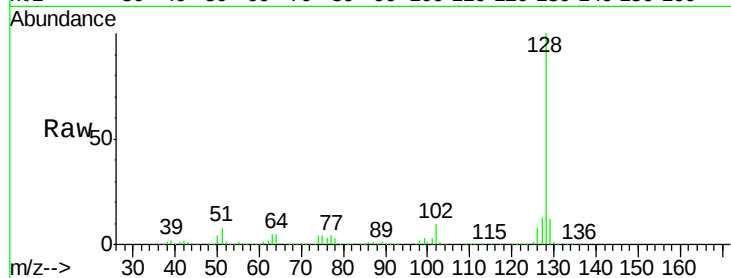




#33
 4-Chloroaniline
 Concen: 8.43 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.08 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

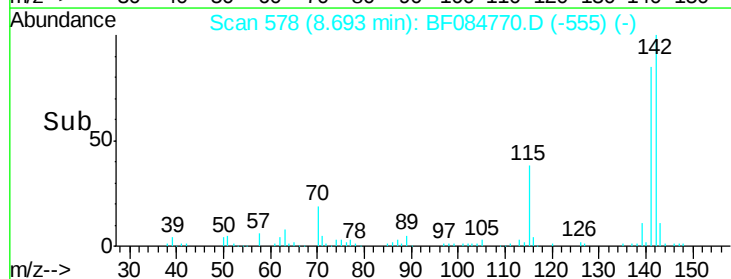
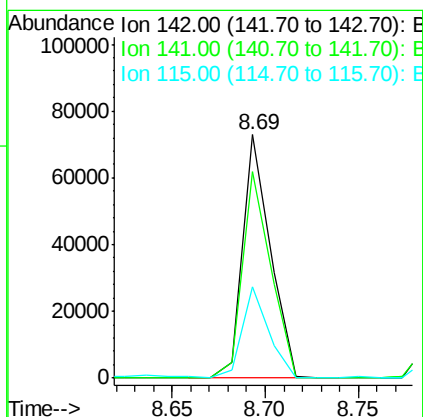
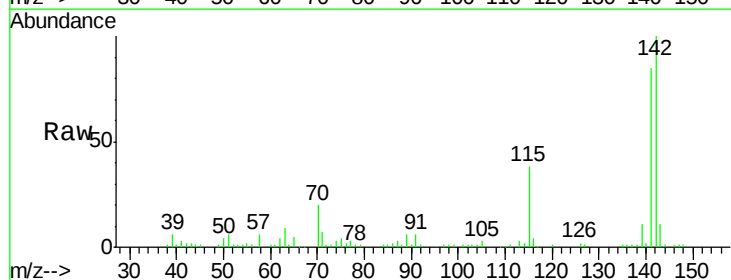
Instrument :
 BNA_F
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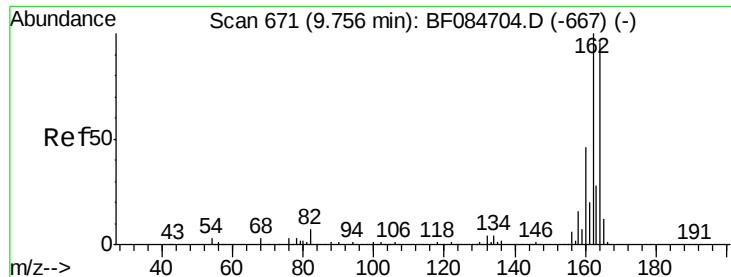
Tgt Ion:	127	Resp:	135798
Ion	Ratio	Lower	Upper
127	100		
129	86.9	26.5	39.7#
65	0.0	27.2	40.8#
92	0.5	17.7	26.5#



#37
 2-Methylnaphthalene
 Concen: 3.08 ng
 RT: 8.69 min Scan# 578
 Delta R.T. -0.03 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Tgt Ion:	142	Resp:	74944
Ion	Ratio	Lower	Upper
142	100		
141	84.9	72.4	108.6
115	37.6	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampled :

STOCKPILE

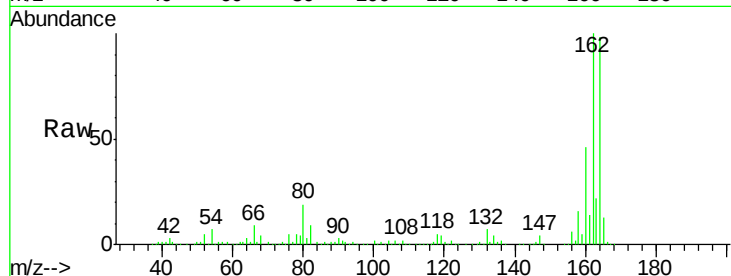
Tgt Ion:164 Resp: 370371

Ion Ratio Lower Upper

164 100

162 102.0 85.1 127.7

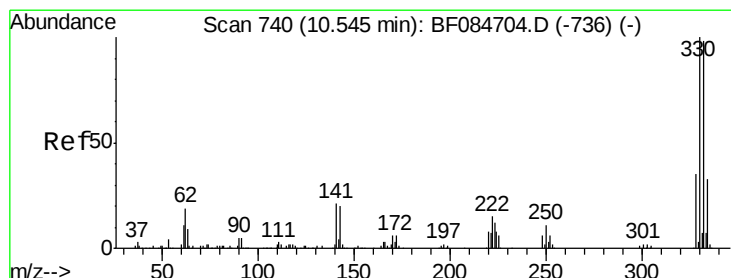
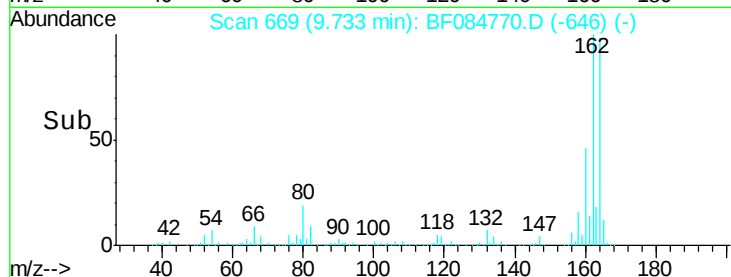
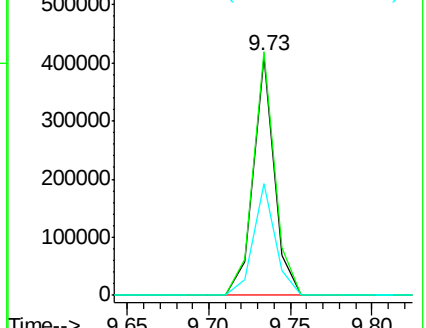
160 46.9 37.5 56.3



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: 131.61 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

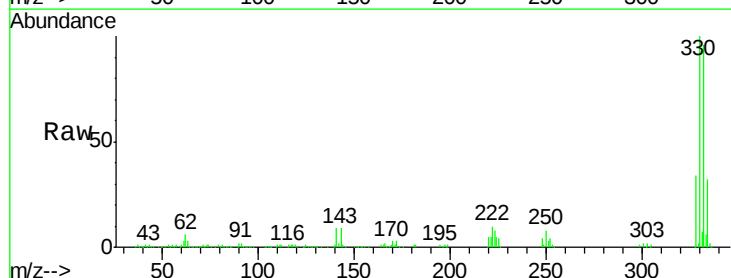
Tgt Ion:330 Resp: 508443

Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

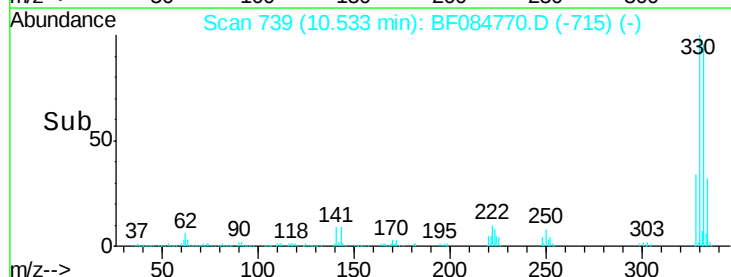
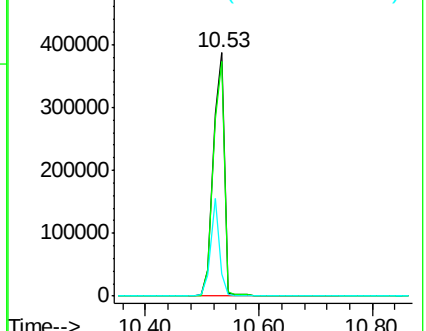
141 31.4 27.8 41.6

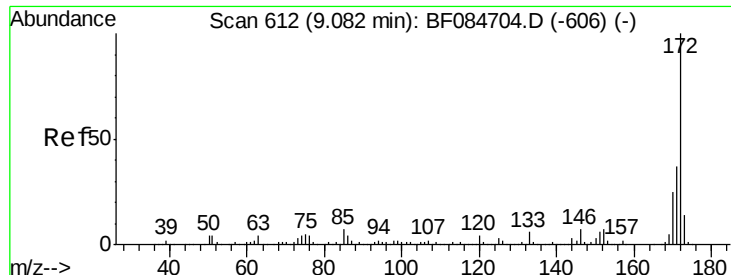


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

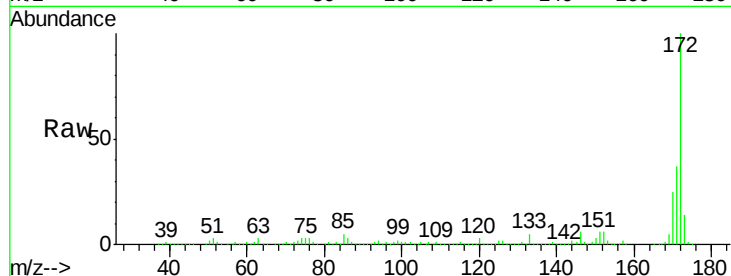




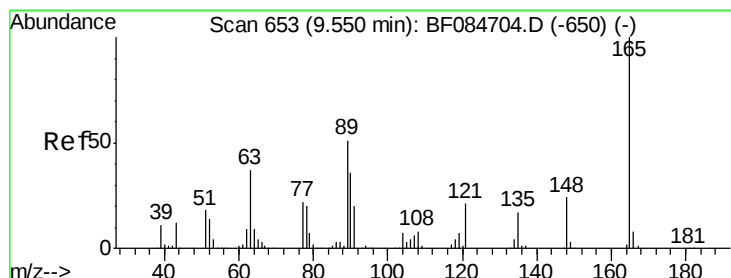
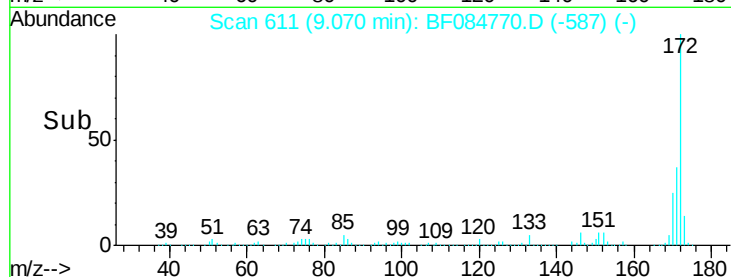
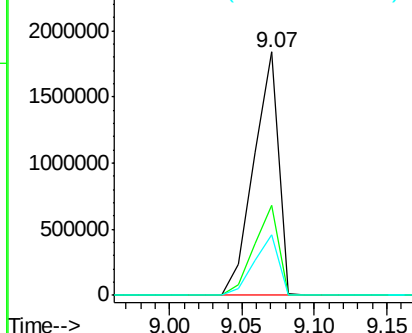
#44
 2-Fluorobiphenyl
 Concen: 108.71 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:172 Resp: 2167955
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 25.1 18.6 27.8

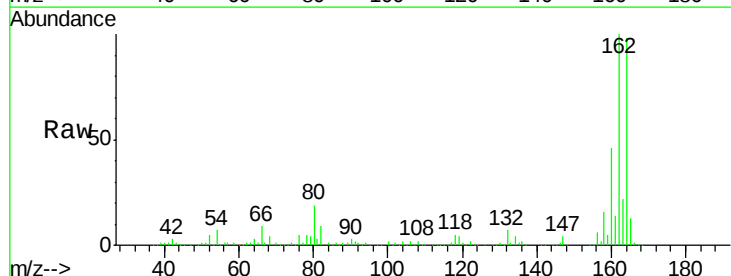


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

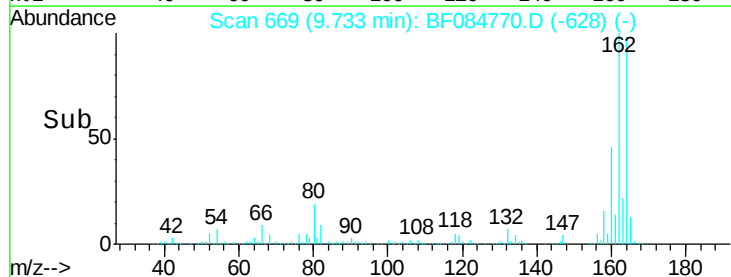
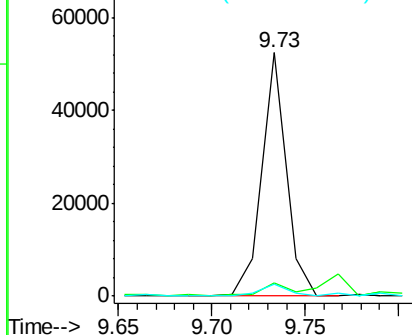


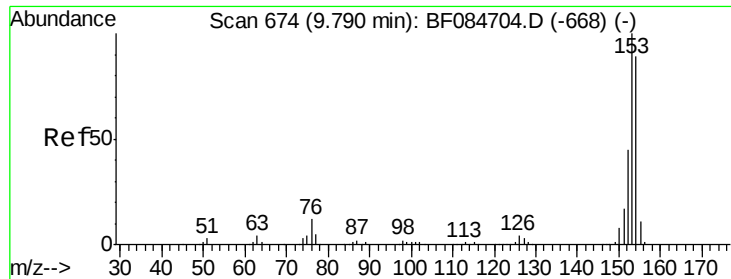
#50
 2,6-Dinitrotoluene
 Concen: 7.67 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.17 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Tgt Ion:165 Resp: 47253
 Ion Ratio Lower Upper
 165 100
 63 5.6 28.8 43.2#
 89 4.7 35.1 52.7#



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





#51

Acenaphthene

Concen: 2.20 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

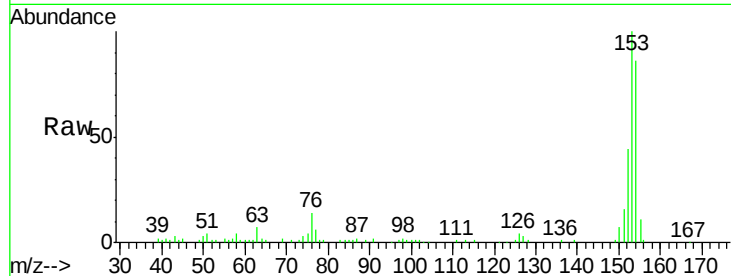
Tgt Ion:154 Resp: 52952

Ion Ratio Lower Upper

154 100

153 116.5 91.5 137.3

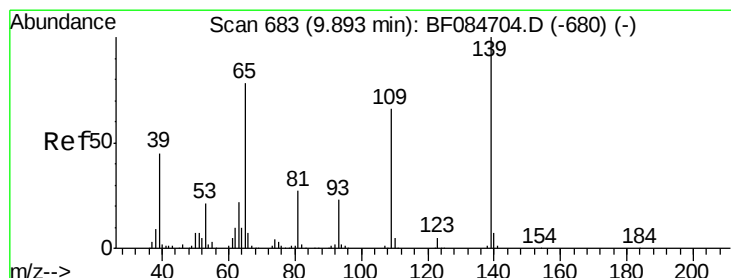
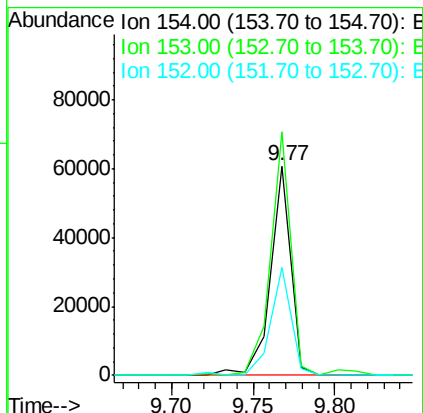
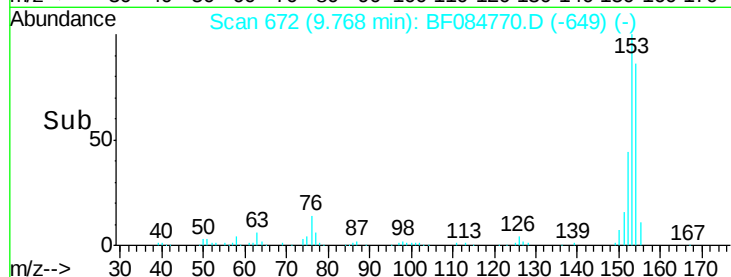
152 51.4 43.0 64.6



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



#55

4-Nitrophenol

Concen: 3.56 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.05 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

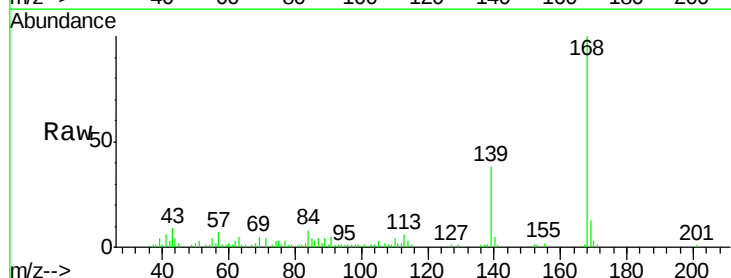
Tgt Ion:139 Resp: 18095

Ion Ratio Lower Upper

139 100

109 2.7 58.5 98.5#

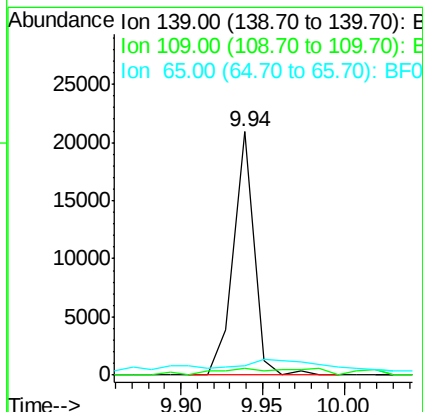
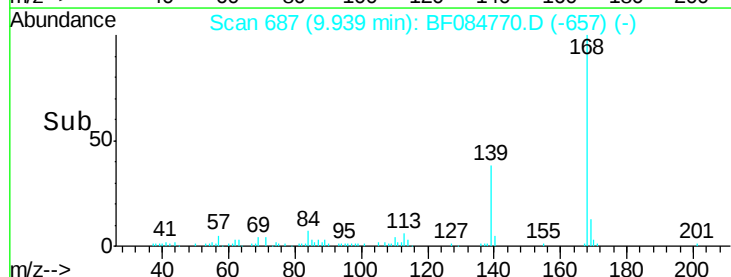
65 3.7 57.6 97.6#

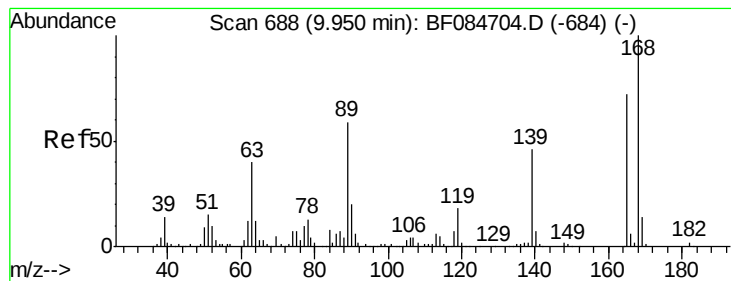


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.23 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

Tgt Ion:165 Resp: 47253

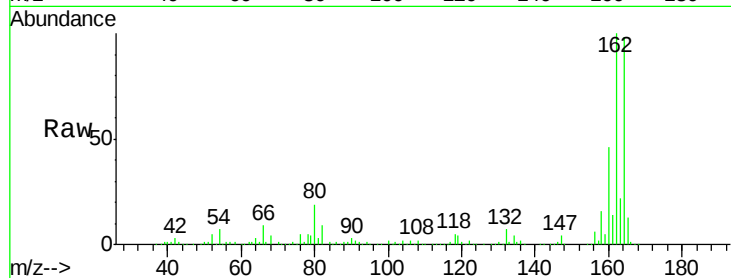
Ion Ratio Lower Upper

165 100

63 5.6 36.7 55.1#

89 4.7 61.9 92.9#

182 0.0 2.0 3.0#

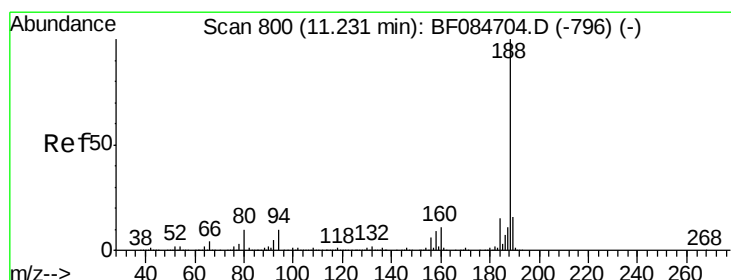
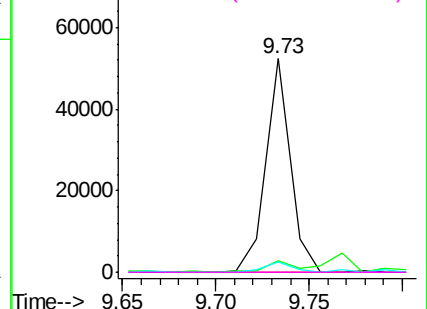
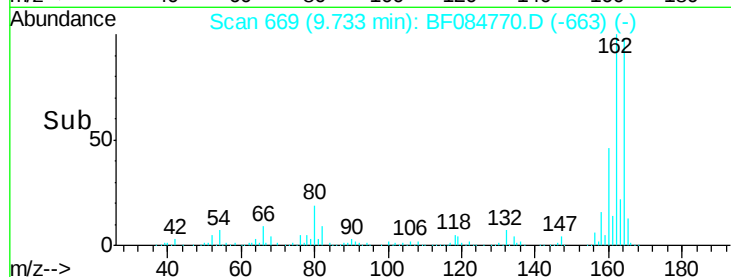


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.22 min Scan# 799

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

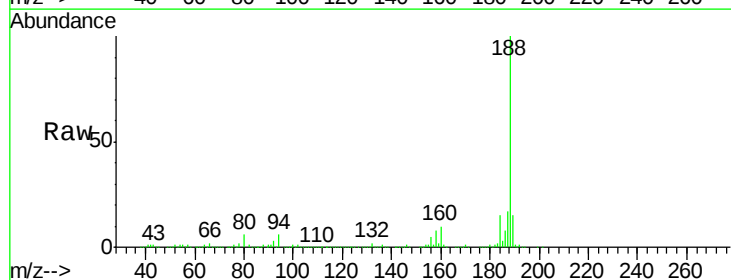
Tgt Ion:188 Resp: 712056

Ion Ratio Lower Upper

188 100

94 5.8 9.0 13.4#

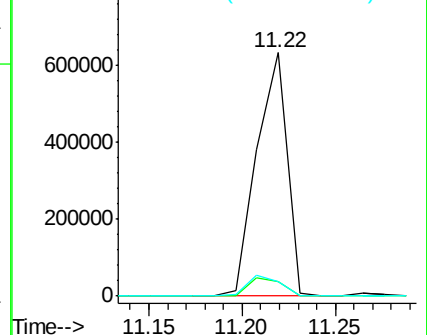
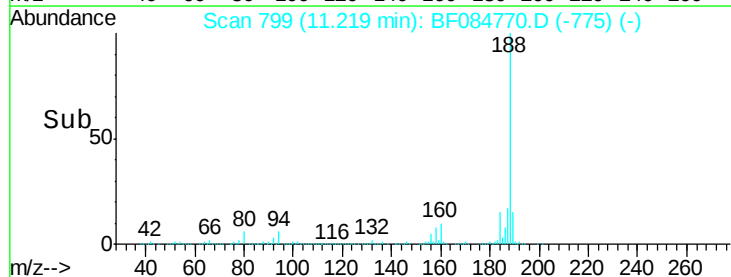
80 5.9 9.6 14.4#

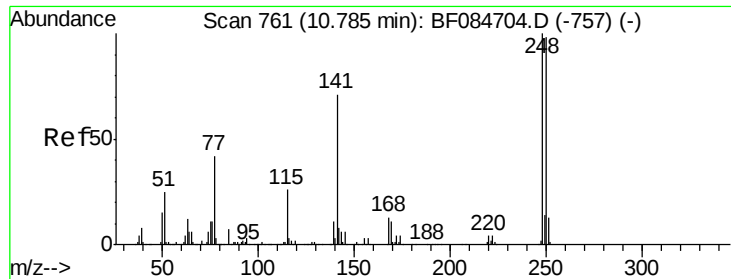


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

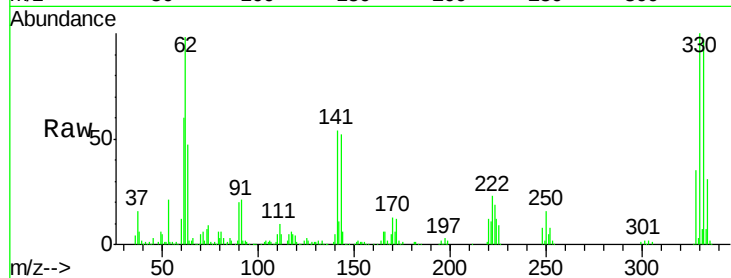




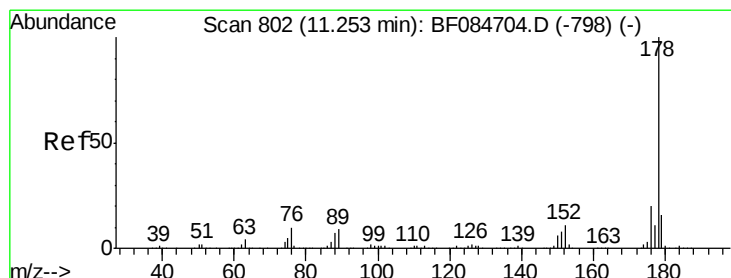
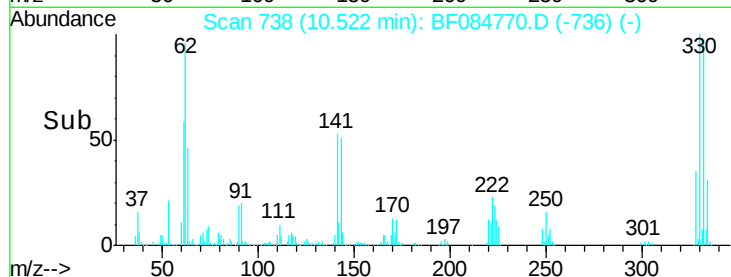
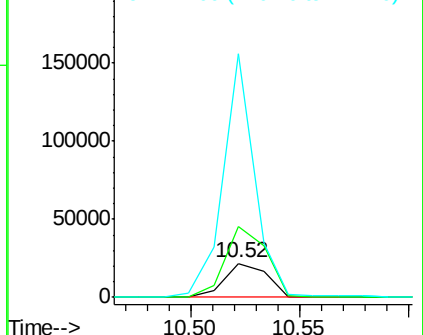
#66
 4-Bromophenyl-phenylether
 Concen: 3.73 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.27 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:248 Resp: 29325
 Ion Ratio Lower Upper
 248 100
 250 206.8 78.4 117.6#
 141 709.5 44.0 66.0#

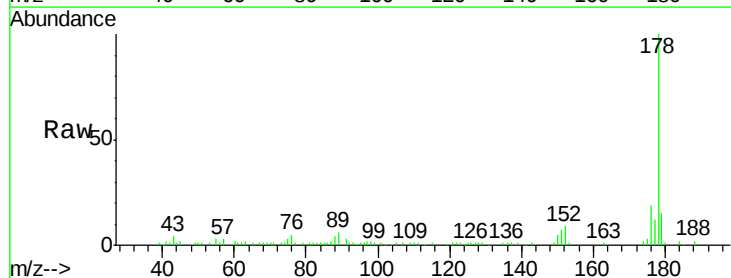


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

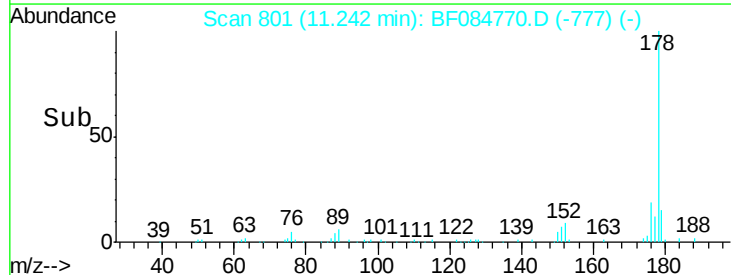
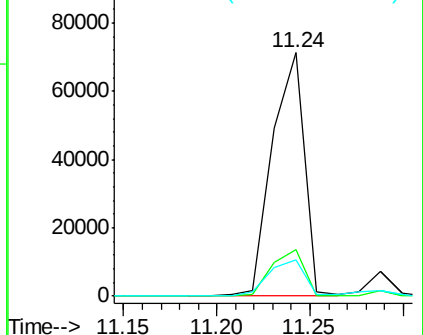


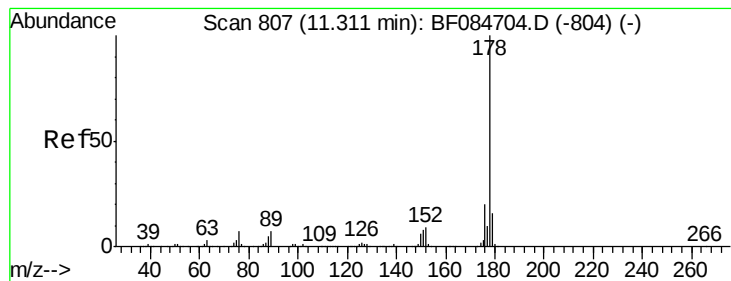
#70
 Phenanthrene
 Concen: 2.16 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Tgt Ion:178 Resp: 85332
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.1 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: 2.14 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.08 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

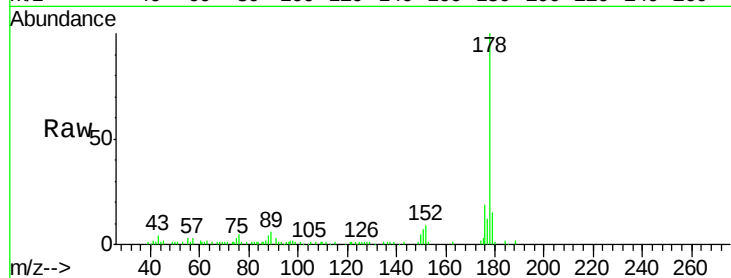
Tgt Ion:178 Resp: 85332

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

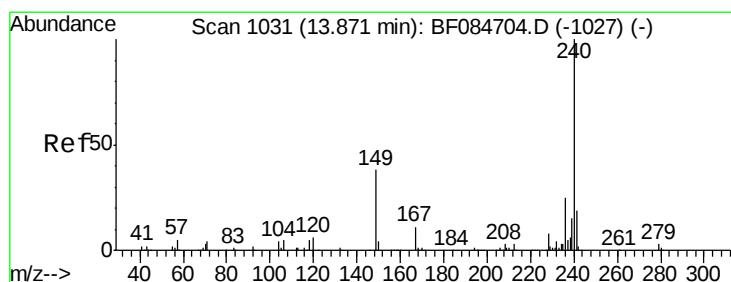
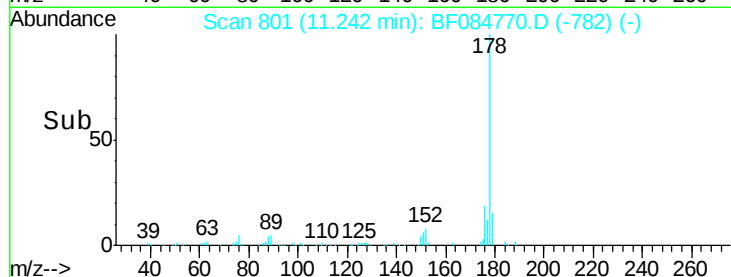
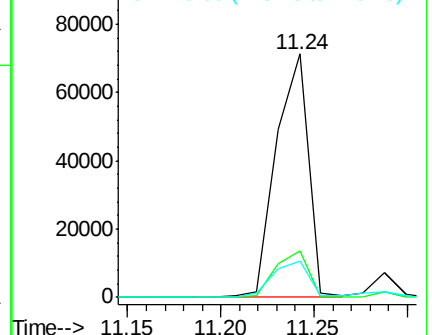
179 15.1 12.5 18.7



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084770.D

Acq: 3 Feb 2016 3:55

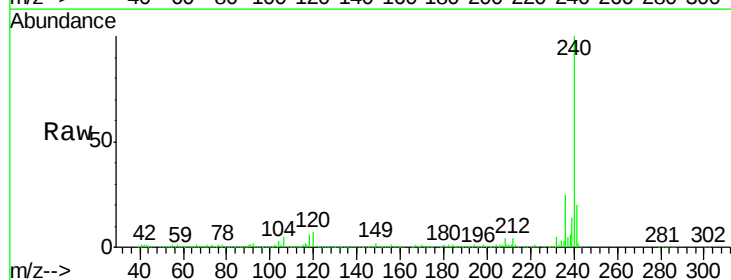
Tgt Ion:240 Resp: 544185

Ion Ratio Lower Upper

240 100

120 7.2 9.5 14.3#

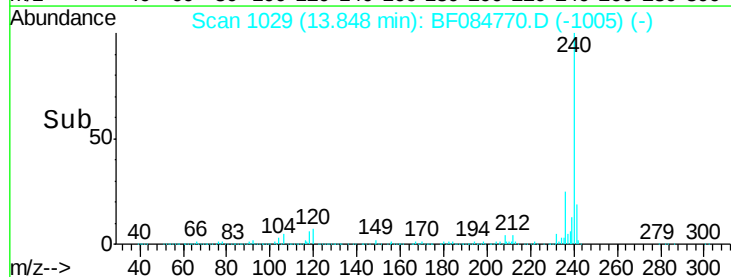
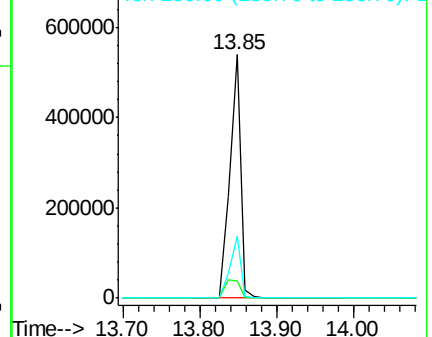
236 25.3 20.6 31.0

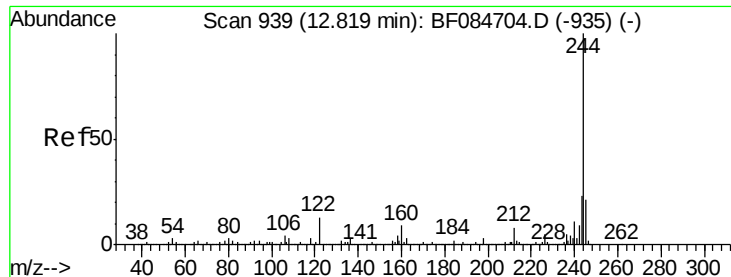


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

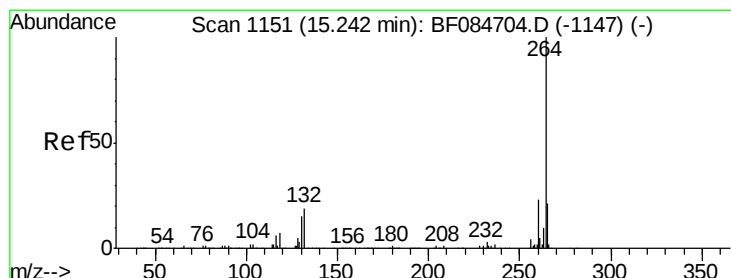
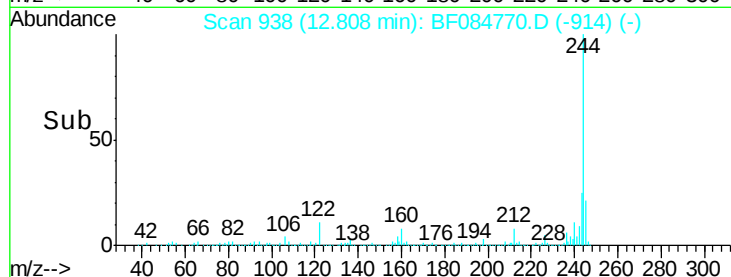
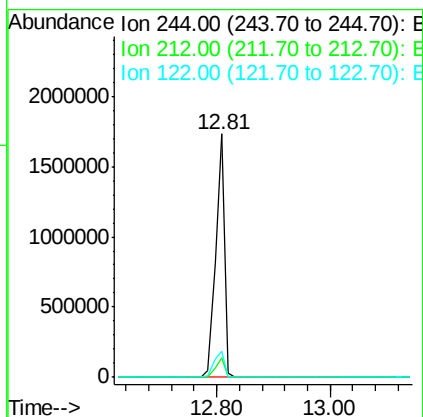
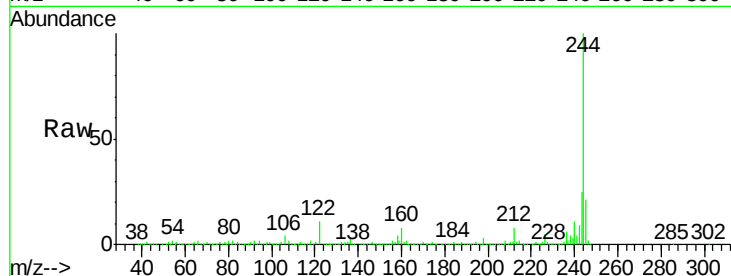




#78
 Terphenyl-d14
 Concen: 75.26 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tgt Ion:244 Resp: 1807287
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.7 8.5
 122 10.8 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: BF084770.D
 Acq: 3 Feb 2016 3:55

Tgt Ion:264 Resp: 371215
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.4 29.2
 265 22.0 17.8 26.6

