

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091284.D
 Acq On : 23 Nov 2016 19:35
 Operator : UM/SJ
 Sample : H5750-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18A-STOCKPILE

Quant Time: Nov 23 23:59:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 13:22:53 2016
 Response via : Initial Calibration

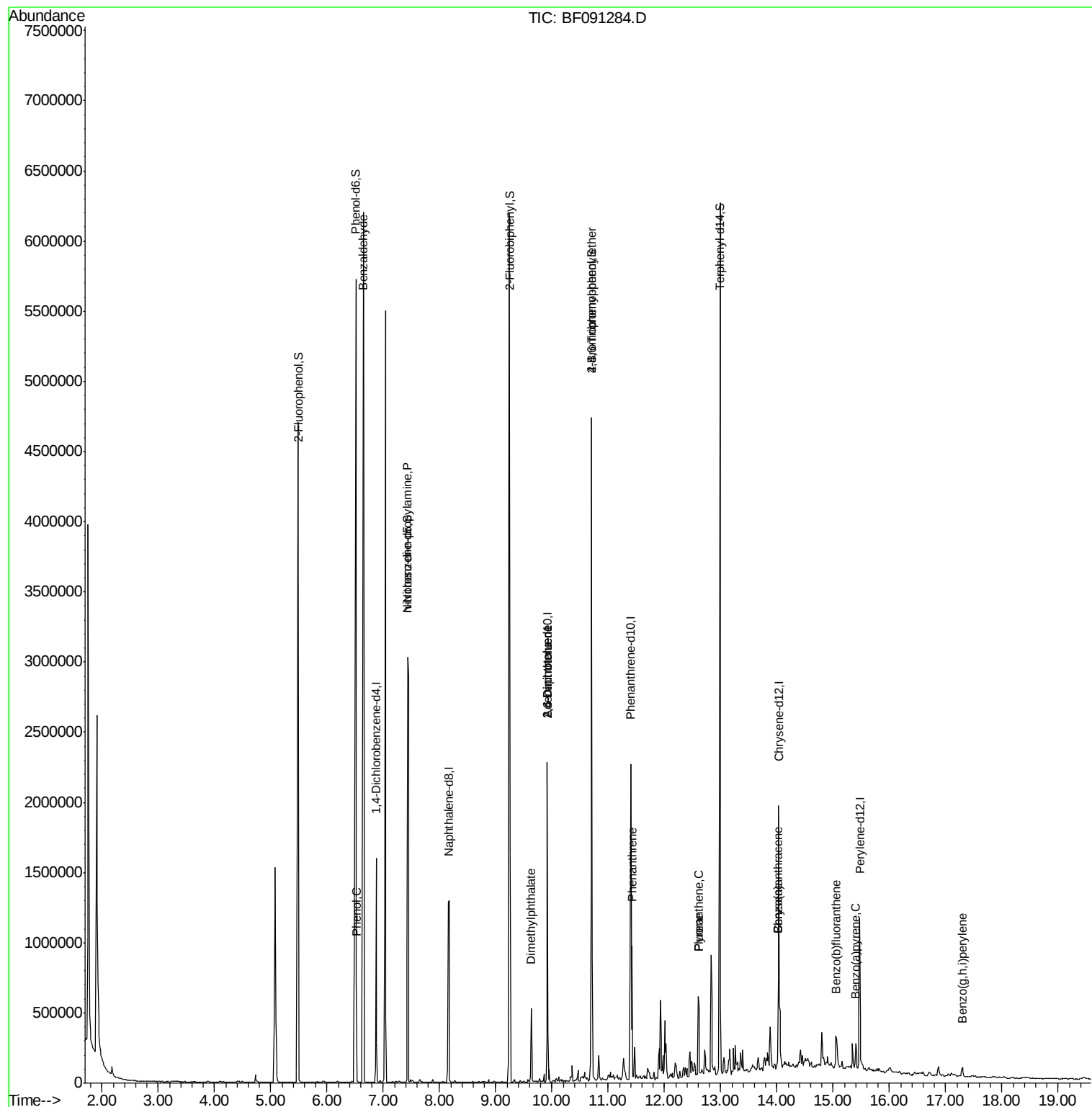
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	210384	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	887208	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	480069	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	862595	20.00	ng	0.00
75) Chrysene-d12	14.03	240	605377	20.00	ng	-0.01
86) Perylene-d12	15.47	264	512160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1907494	145.68	ng	0.02
7) Phenol-d6	6.51	99	2212735	131.52	ng	0.01
23) Nitrobenzene-d5	7.44	82	1501903	97.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	614141	126.86	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2189546	74.68	ng	0.00
78) Terphenyl-d14	12.99	244	1976564	74.57	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	43741	3.67	ng	80
10) Phenol	6.52	94	169882	9.05	ng	81
19) n-Nitroso-di-n-propylamine	7.44	70	203014	19.24	ng	# 73
49) Dimethylphthalate	9.63	163	197510	6.59	ng	97
50) 2,6-Dinitrotoluene	9.92	165	65006	9.93	ng	# 17
56) 2,4-Dinitrotoluene	9.92	165	65008	7.85	ng	# 34
66) 4-Bromophenyl-phenylether	10.70	248	36490	3.87	ng	# 1
70) Phenanthrene	11.42	178	381711	8.53	ng	98
74) Fluoranthene	12.60	202	322727	7.09	ng	95
77) Pyrene	12.60	202	322727	7.21	ng	98
80) Benzo(a)anthracene	14.02	228	193889	5.64	ng	99
82) Chrysene	14.02	228	193889	5.97	ng	97
87) Benzo(b)fluoranthene	15.06	252	183070	5.67	ng	97
89) Benzo(a)pyrene	15.40	252	99287	3.61	ng	98
91) Benzo(g,h,i)perylene	17.30	276	55487	2.20	ng	97

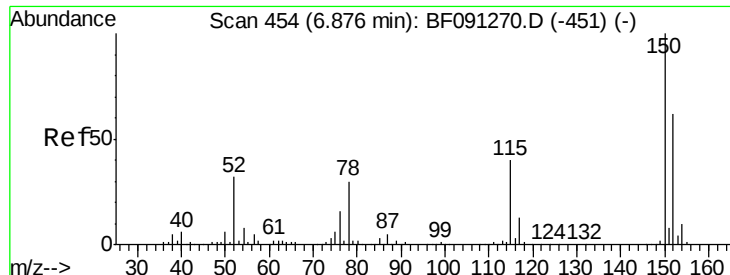
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

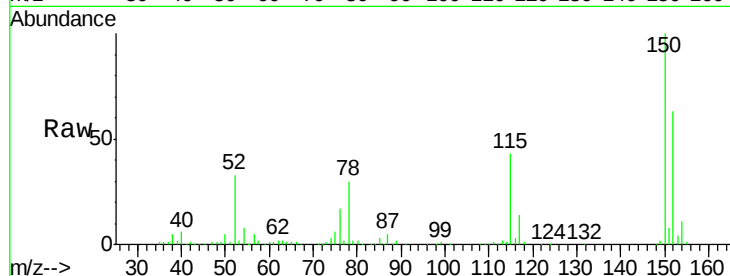
Tgt Ion:152 Resp: 210384

Ion Ratio Lower Upper

152 100

150 159.5 122.5 183.7

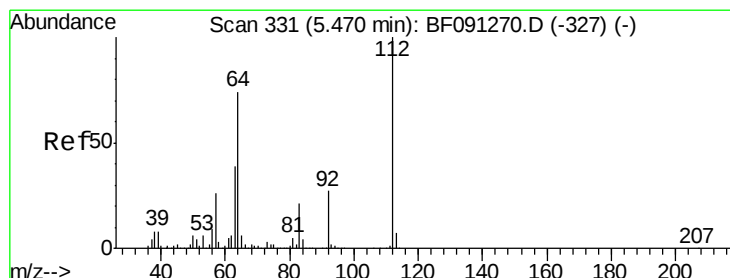
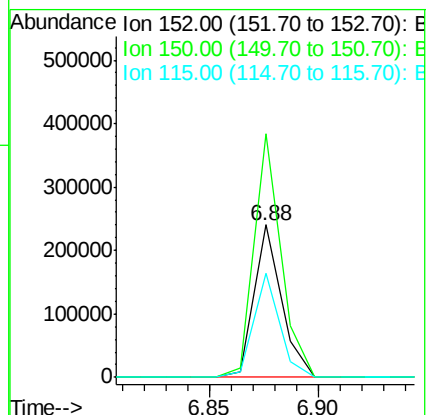
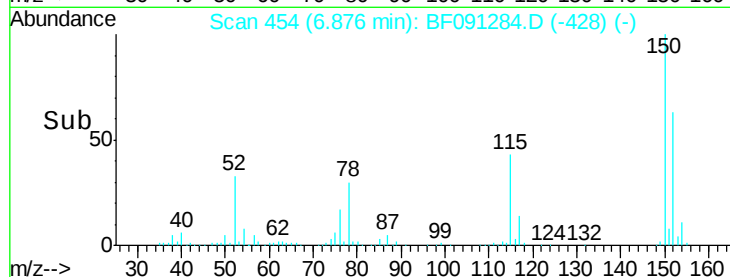
115 68.4 51.8 77.8



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: 145.68 ng

RT: 5.49 min Scan# 333

Delta R.T. 0.02 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

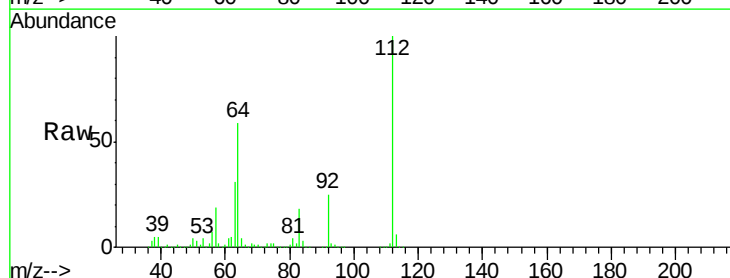
Tgt Ion:112 Resp: 1907494

Ion Ratio Lower Upper

112 100

64 58.9 61.5 92.3#

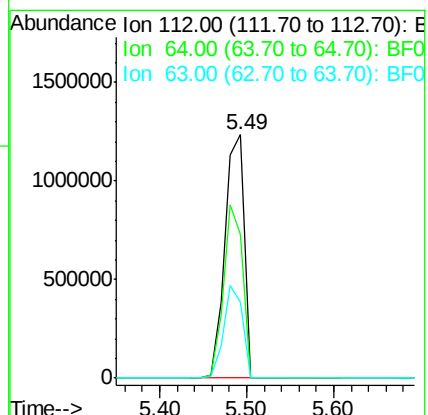
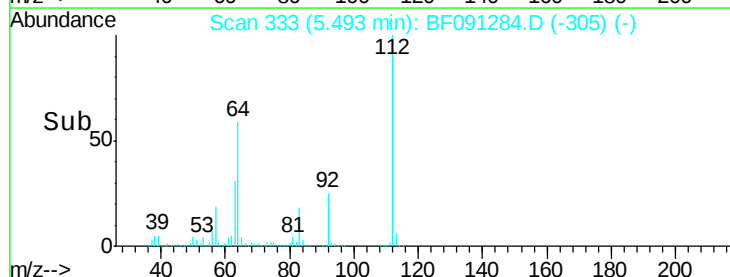
63 31.4 33.3 49.9#

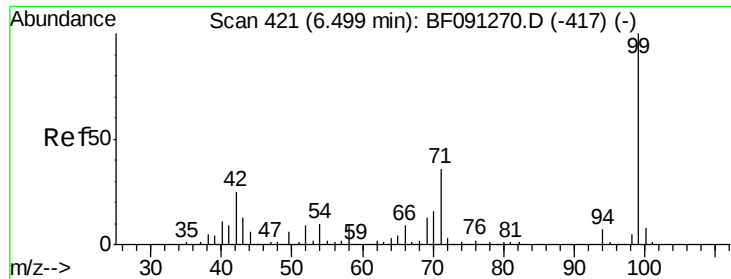


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.52 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

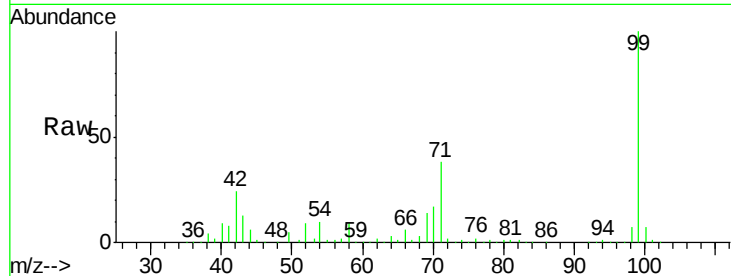
Tgt Ion: 99 Resp: 2212735

Ion Ratio Lower Upper

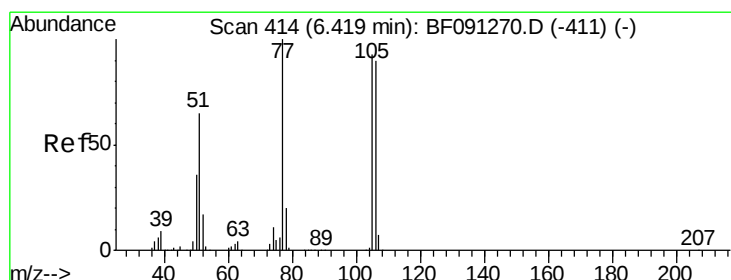
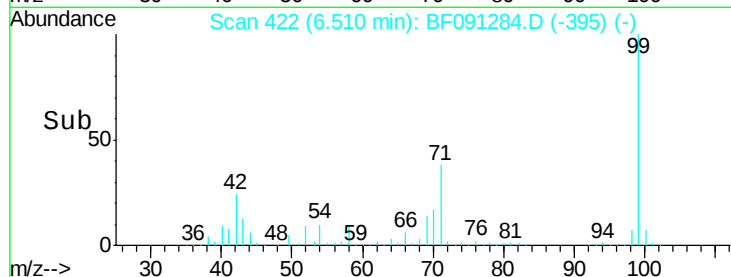
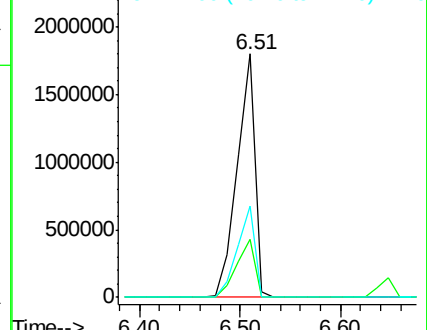
99 100

42 24.0 20.6 31.0

71 37.5 29.9 44.9



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: 3.67 ng

RT: 6.65 min Scan# 434

Delta R.T. 0.23 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

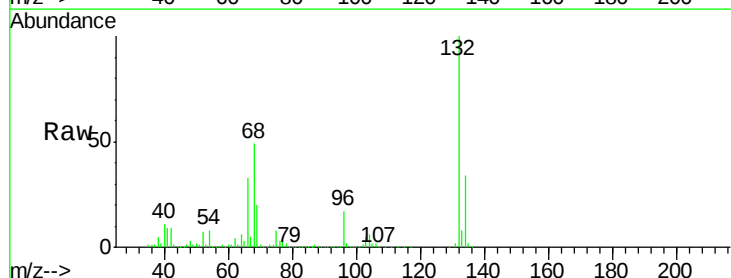
Tgt Ion: 77 Resp: 43741

Ion Ratio Lower Upper

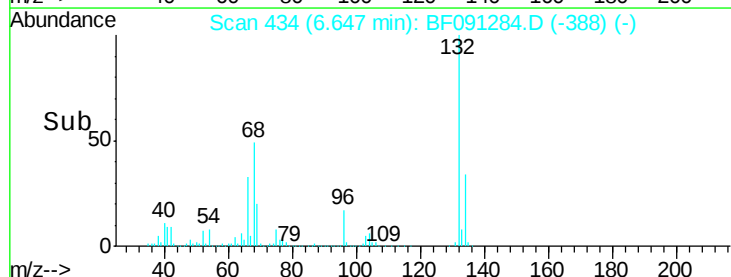
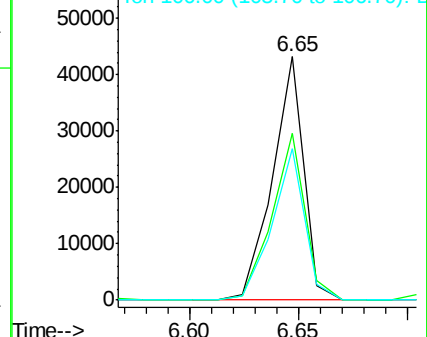
77 100

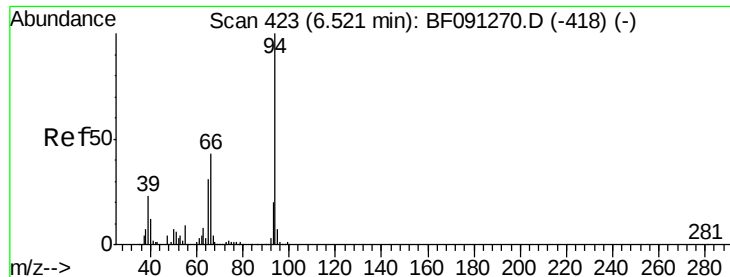
105 68.6 66.4 106.4

106 62.3 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 9.05 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

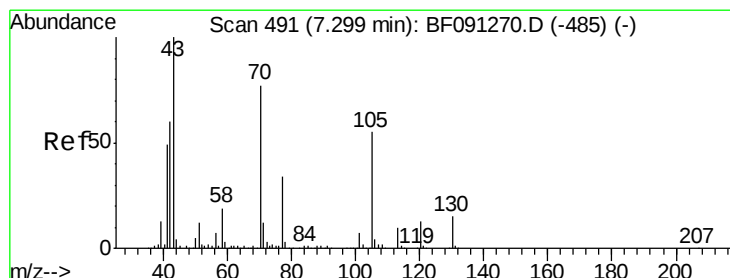
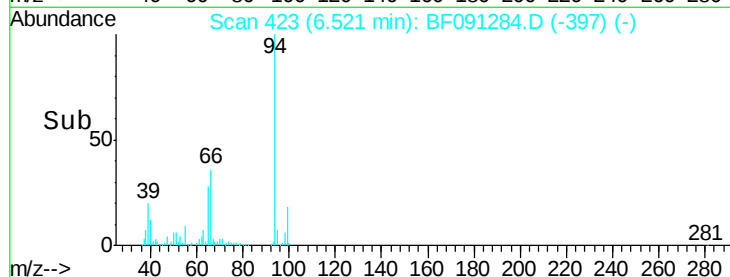
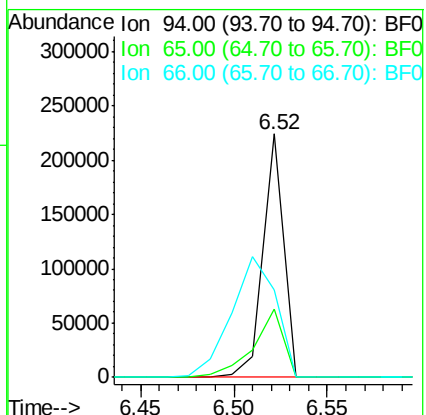
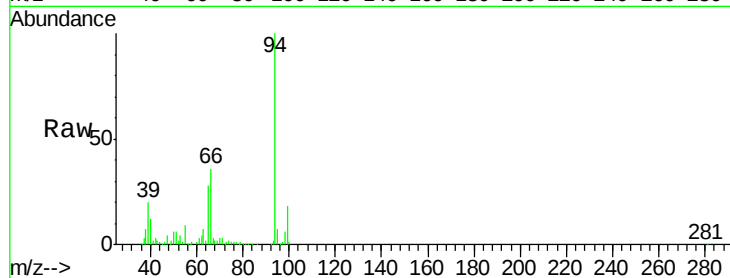
Tgt Ion: 94 Resp: 169882

Ion Ratio Lower Upper

94 100

65 27.9 16.9 56.9

66 35.9 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 19.24 ng

RT: 7.44 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Tgt Ion: 70 Resp: 203014

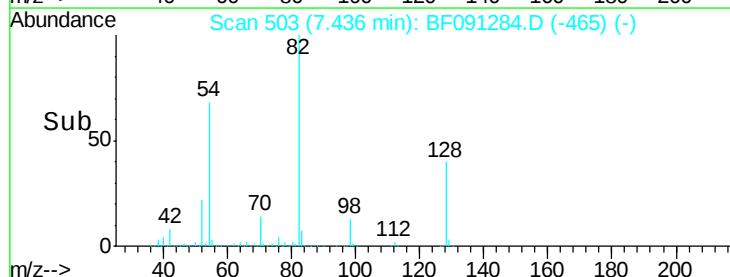
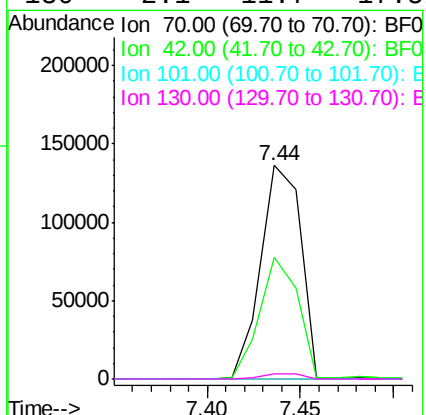
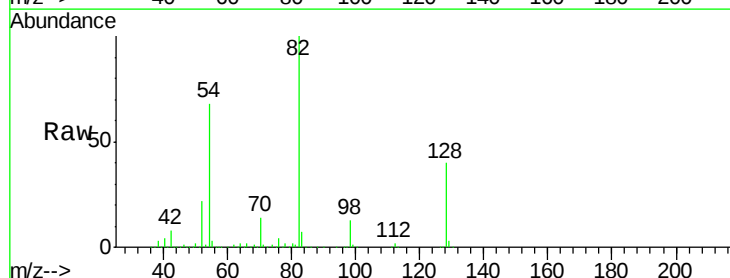
Ion Ratio Lower Upper

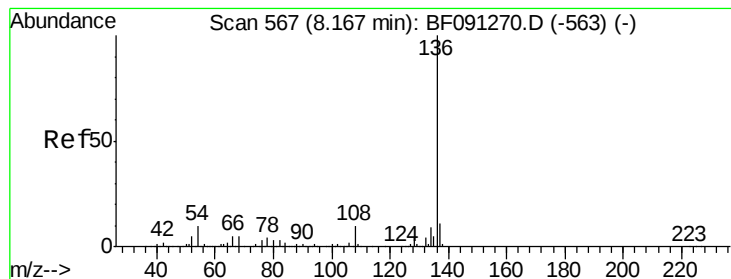
70 100

42 57.2 64.8 97.2#

101 0.0 6.2 9.4#

130 2.1 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

Tgt Ion:136 Resp: 887208

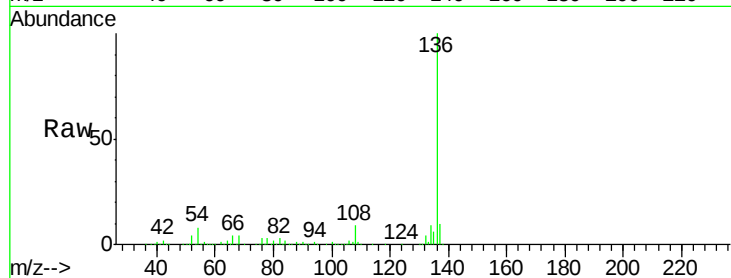
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 7.5 9.1 13.7#

68 4.1 5.9 8.9#

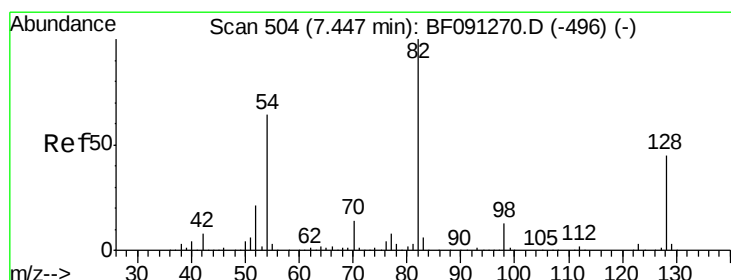
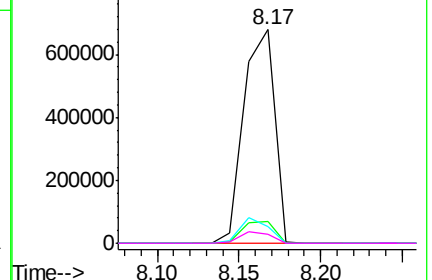
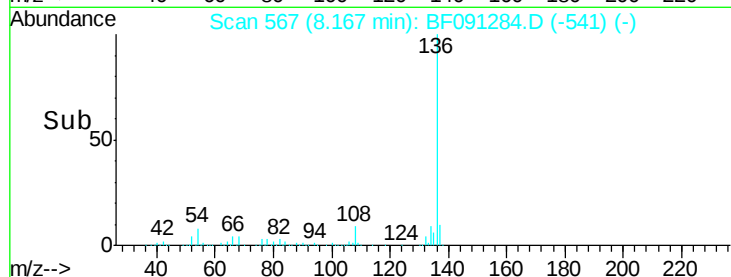


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.46 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

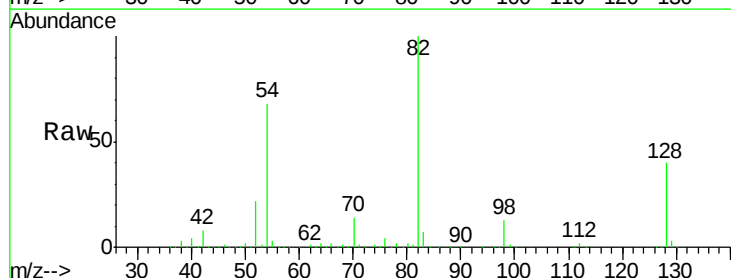
Tgt Ion: 82 Resp: 1501903

Ion Ratio Lower Upper

82 100

128 40.4 31.8 47.6

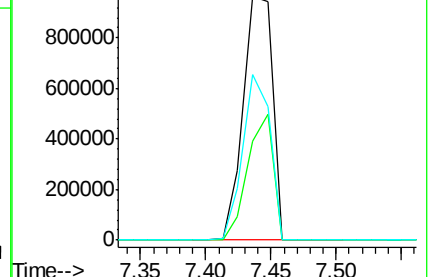
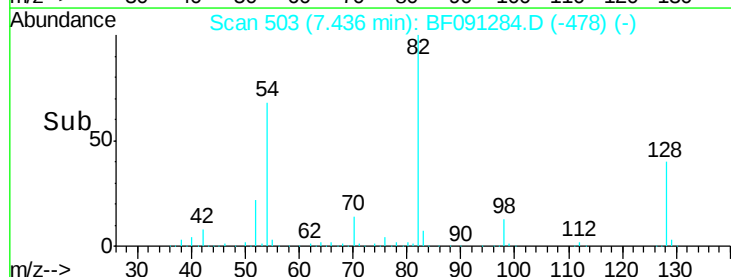
54 67.7 49.1 73.7

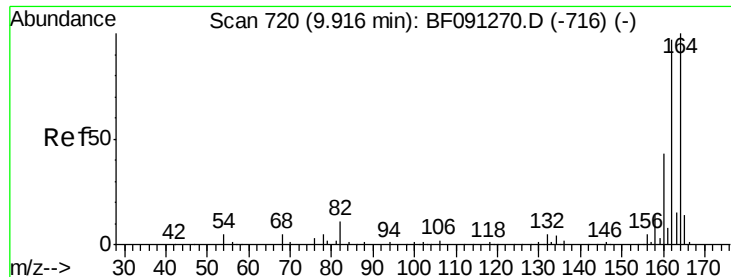


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

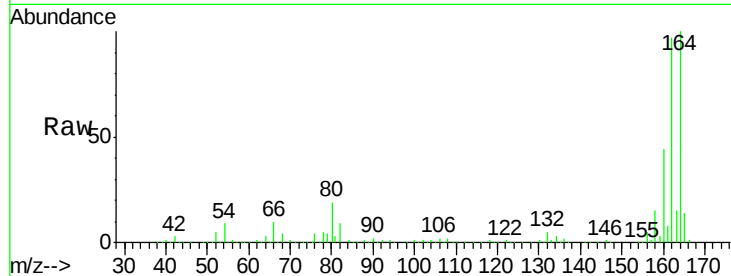




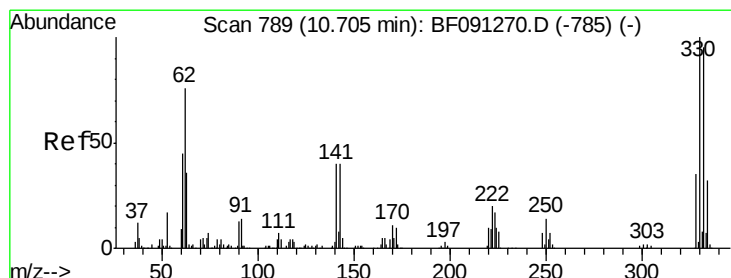
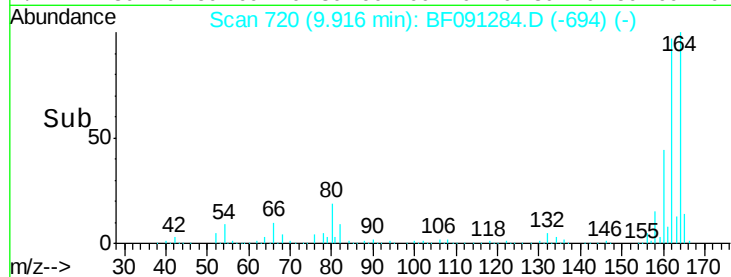
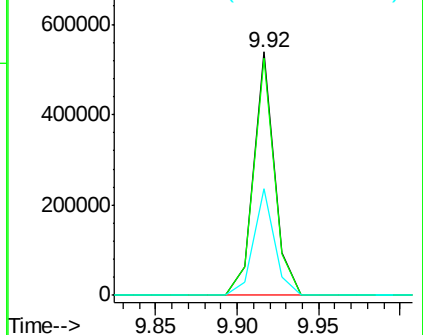
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: BF091284.D
 Acq: 23 Nov 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 18A-STOCKPILE

Tgt Ion:164 Resp: 480069
 Ion Ratio Lower Upper
 164 100
 162 97.3 82.6 124.0
 160 43.8 36.7 55.1

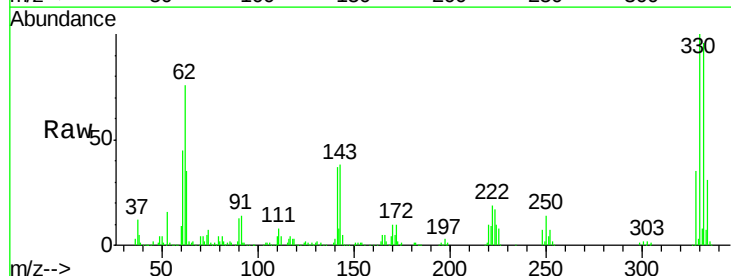


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

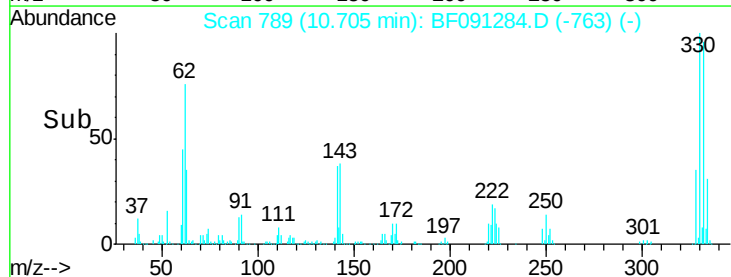
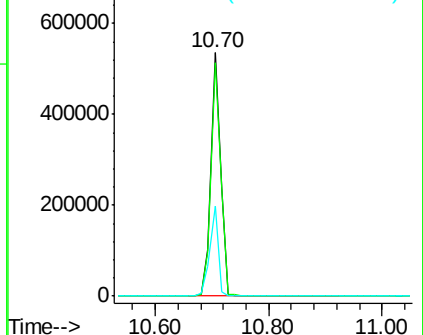


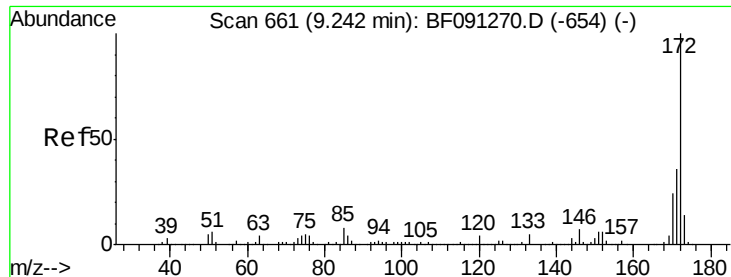
#41
 2,4,6-Tribromophenol
 Concen: 126.86 ng
 RT: 10.70 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091284.D
 Acq: 23 Nov 2016 19:35

Tgt Ion:330 Resp: 614141
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.2 114.4
 141 31.8 33.6 50.4#



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

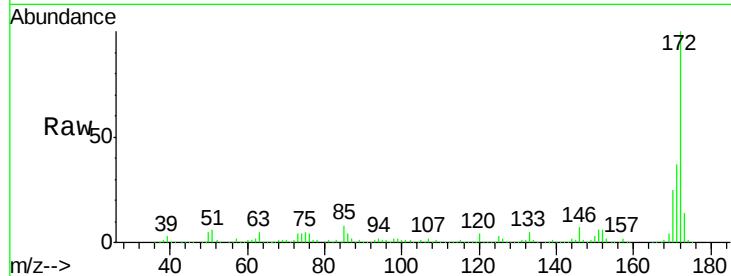




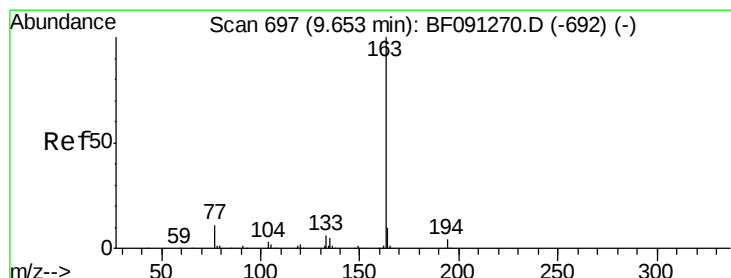
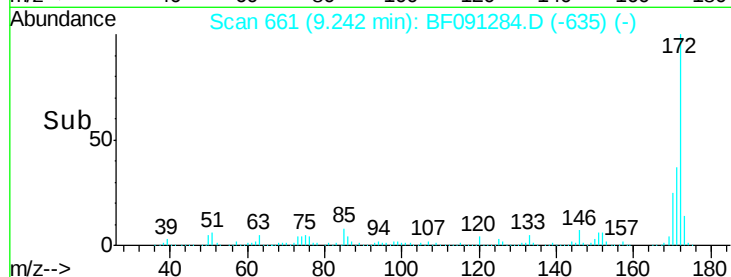
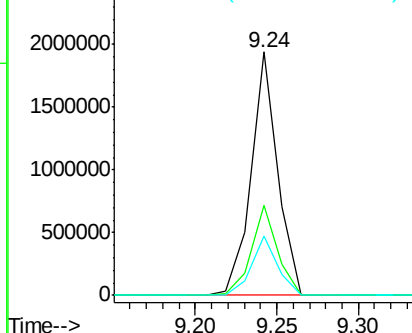
#44
 2-Fluorobiphenyl
 Concen: 74.68 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091284.D
 Acq: 23 Nov 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 18A-STOCKPILE

Tgt Ion:172 Resp: 2189546
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.5 19.7 29.5

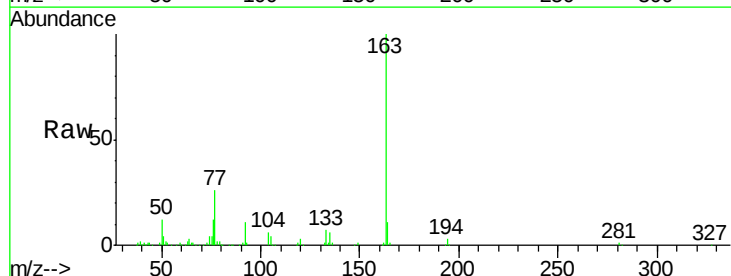


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

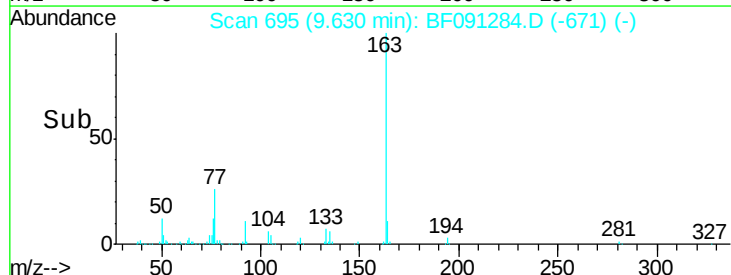
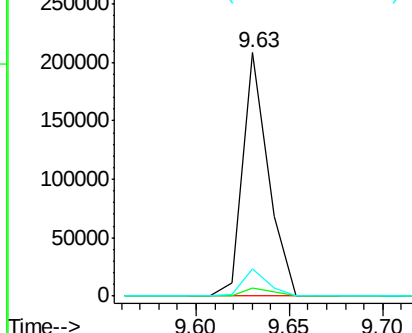


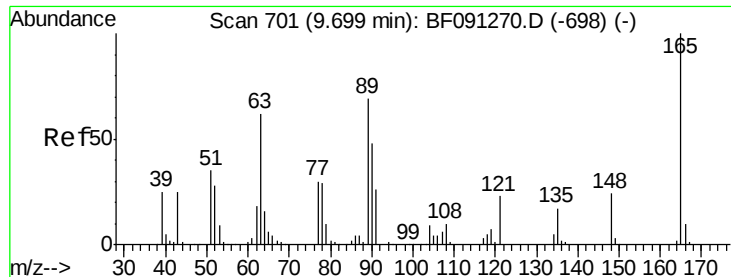
#49
 Dimethylphthalate
 Concen: 6.59 ng
 RT: 9.63 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF091284.D
 Acq: 23 Nov 2016 19:35

Tgt Ion:163 Resp: 197510
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.4
 164 11.1 7.8 11.8



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

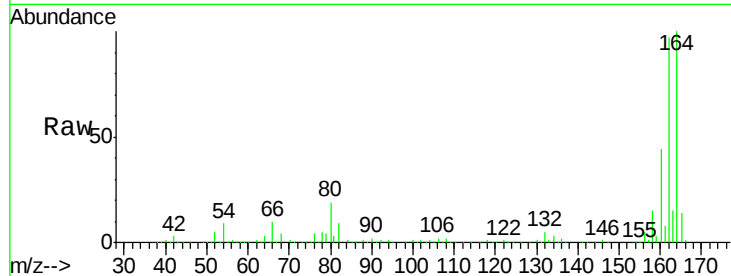




#50
 2,6-Dinitrotoluene
 Concen: 9.93 ng
 RT: 9.92 min Scan# 720
 Delta R.T. 0.22 min
 Lab File: BF091284.D
 Acq: 23 Nov 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 18A-STOCKPILE

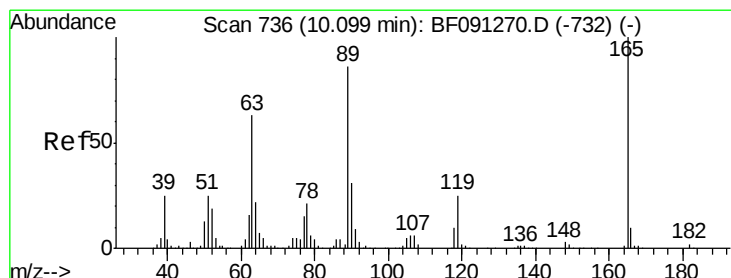
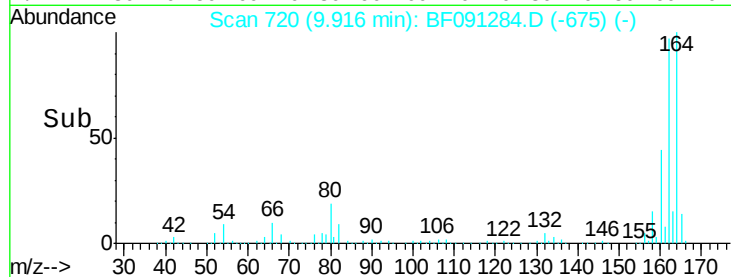
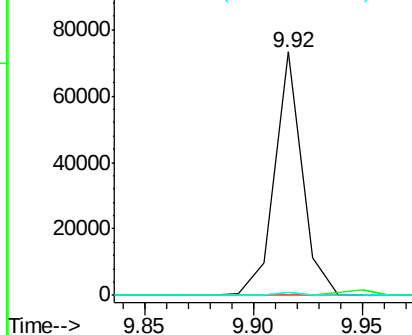
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	59.4	89.0#
89	1.2	50.8	76.2#



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



#56
 2,4-Dinitrotoluene
 Concen: 7.85 ng
 RT: 9.92 min Scan# 720
 Delta R.T. -0.18 min
 Lab File: BF091284.D
 Acq: 23 Nov 2016 19:35

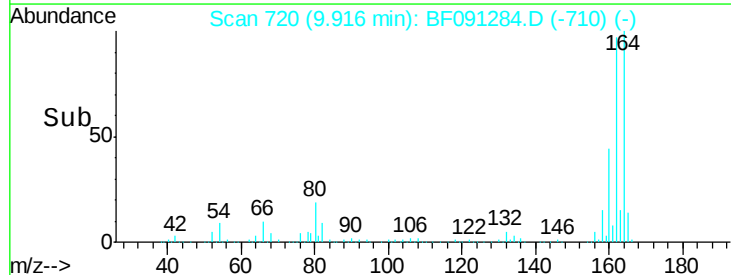
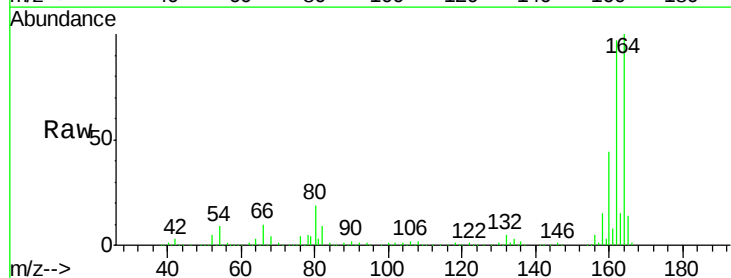
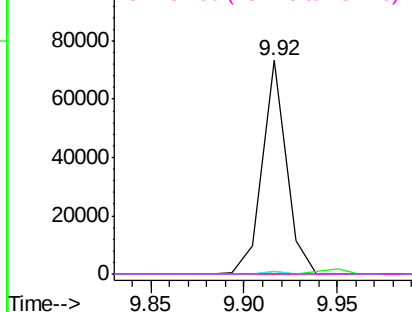
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	29.0	43.4#
89	1.2	43.1	64.7#
182	0.0	1.9	2.9#

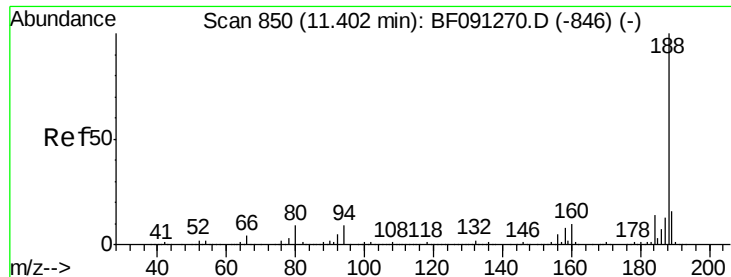
Abundance Ion 165.00 (164.70 to 165.70): E

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

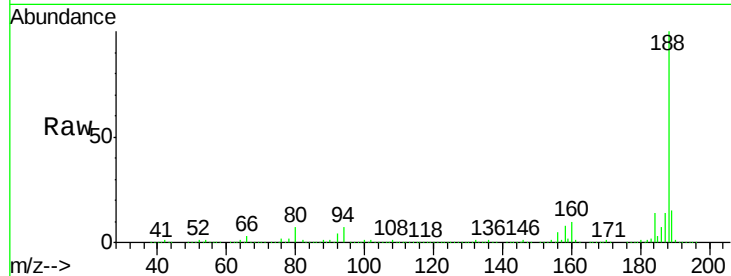




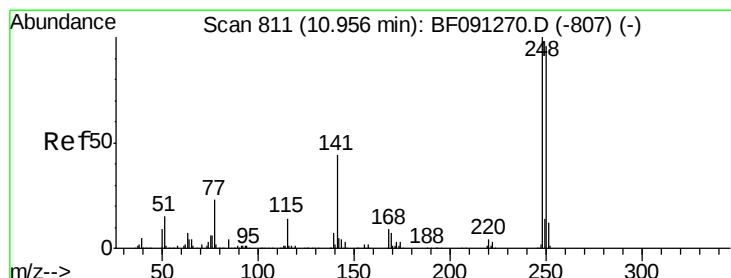
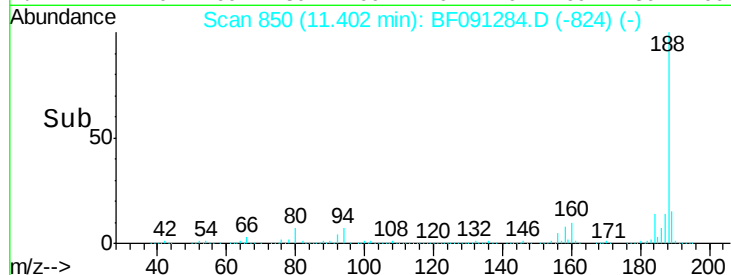
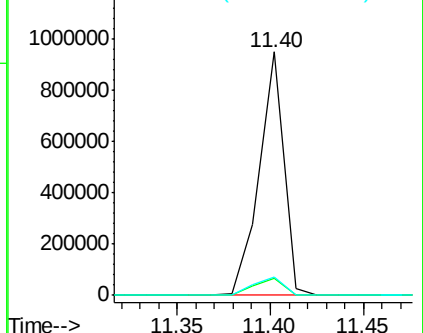
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF091284.D
Acq: 23 Nov 2016 19:35

Instrument :
BNA_F
ClientSampleId :
18A-STOCKPILE

Tgt Ion:188 Resp: 862595
Ion Ratio Lower Upper
188 100
94 7.2 9.2 13.8#
80 7.4 10.5 15.7#

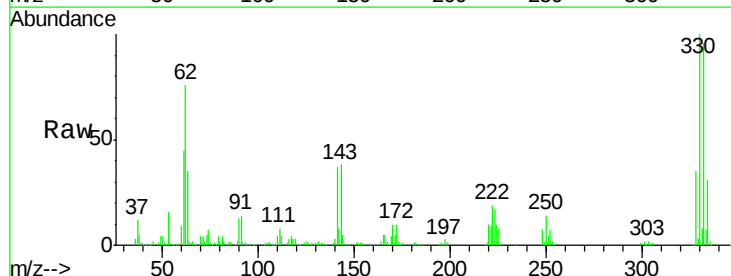


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

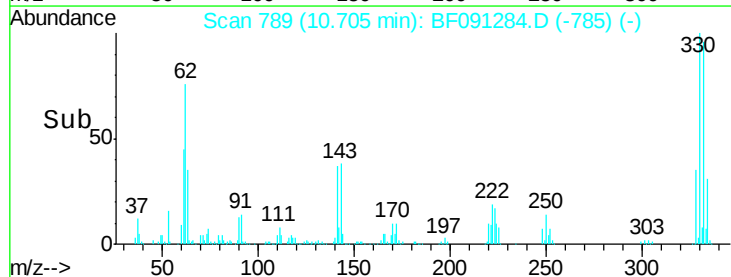
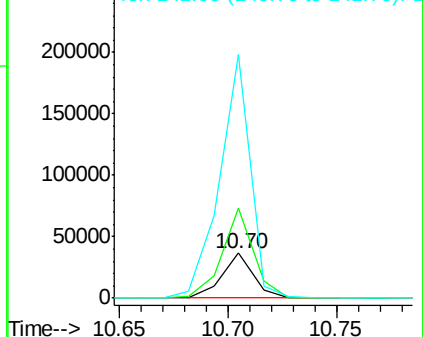


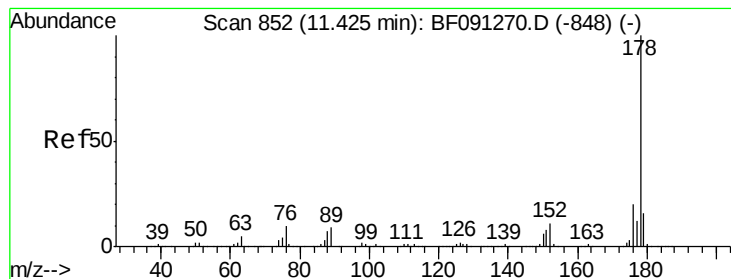
#66
4-Bromophenyl-phenylether
Concen: 3.87 ng
RT: 10.70 min Scan# 789
Delta R.T. -0.25 min
Lab File: BF091284.D
Acq: 23 Nov 2016 19:35

Tgt Ion:248 Resp: 36490
Ion Ratio Lower Upper
248 100
250 199.4 78.2 117.4#
141 539.9 71.9 107.9#



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: 8.53 ng

RT: 11.42 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

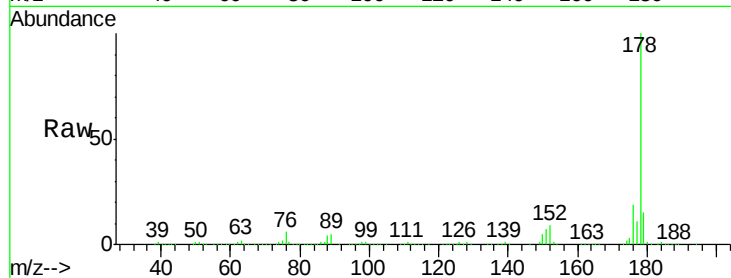
Tgt Ion:178 Resp: 381711

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

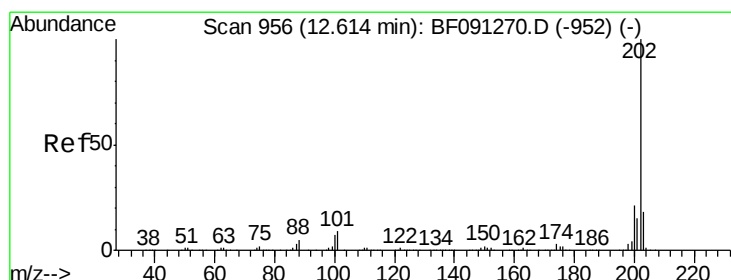
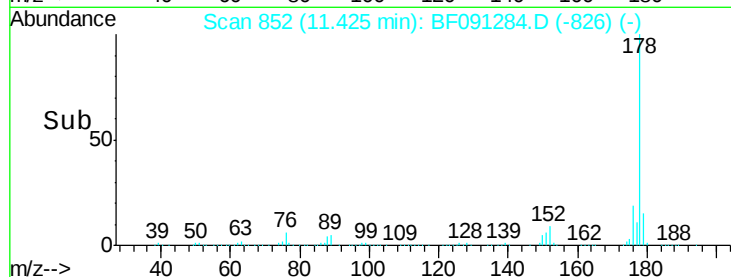
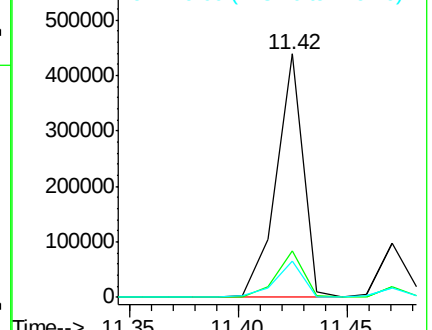
179 15.0 12.6 18.8



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



#74

Fluoranthene

Concen: 7.09 ng

RT: 12.60 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

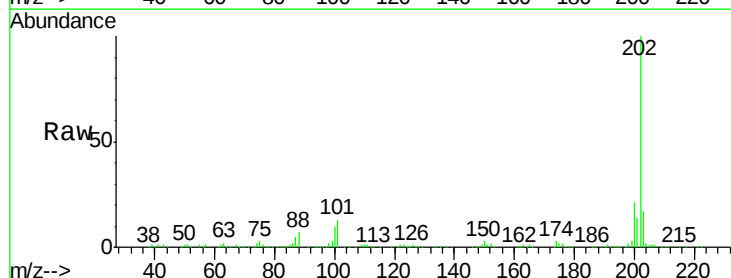
Tgt Ion:202 Resp: 322727

Ion Ratio Lower Upper

202 100

101 13.5 0.0 29.5

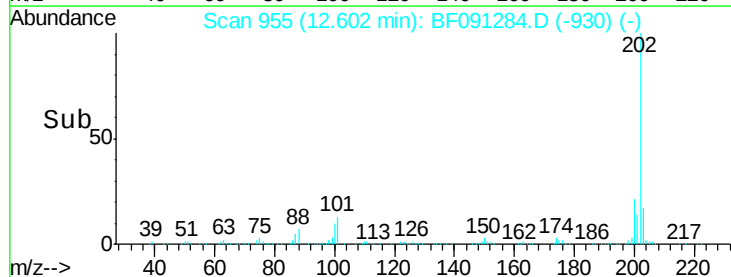
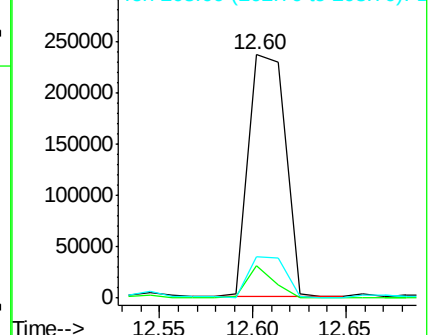
203 17.0 0.0 37.8

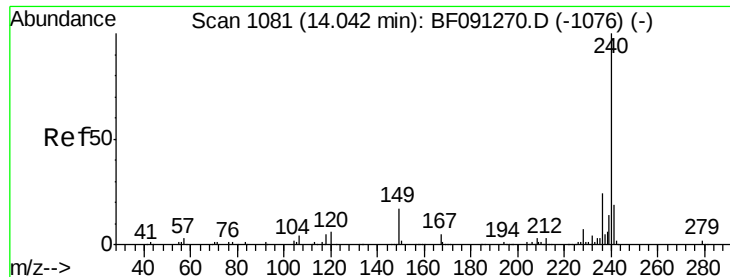


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

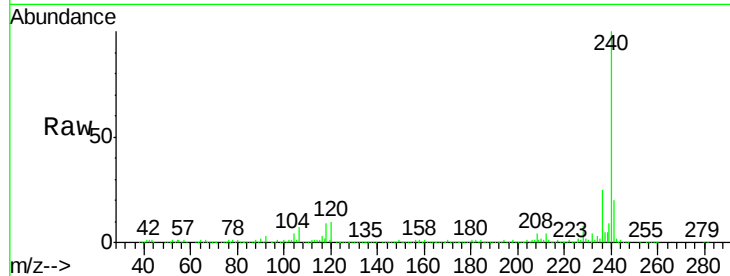
Tgt Ion:240 Resp: 605377

Ion Ratio Lower Upper

240 100

120 10.4 12.1 18.1#

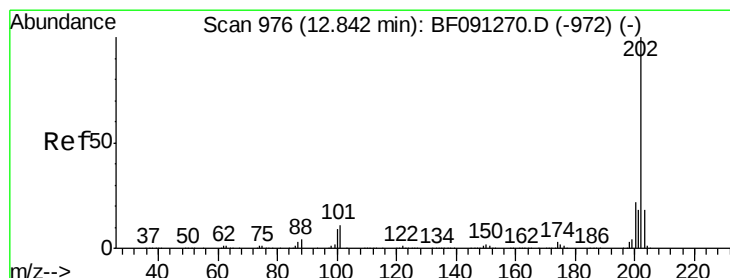
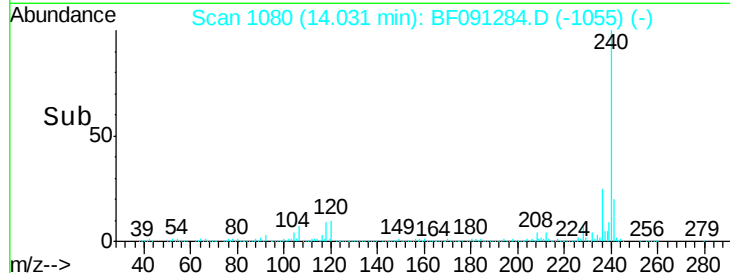
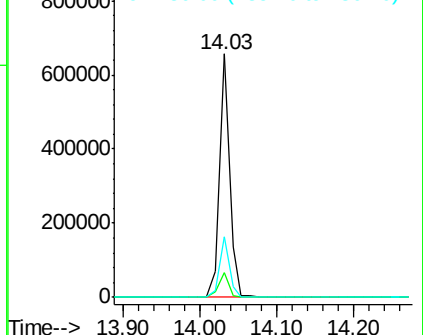
236 24.6 21.0 31.6



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: 7.21 ng

RT: 12.60 min Scan# 955

Delta R.T. -0.24 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

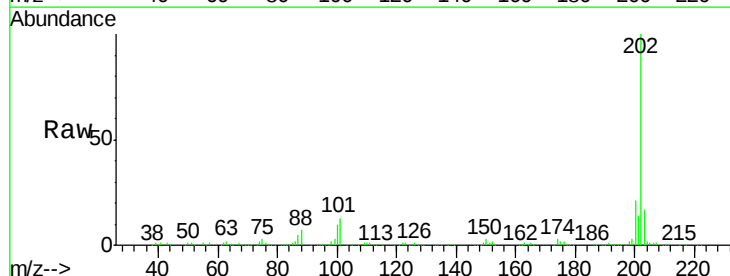
Tgt Ion:202 Resp: 322727

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

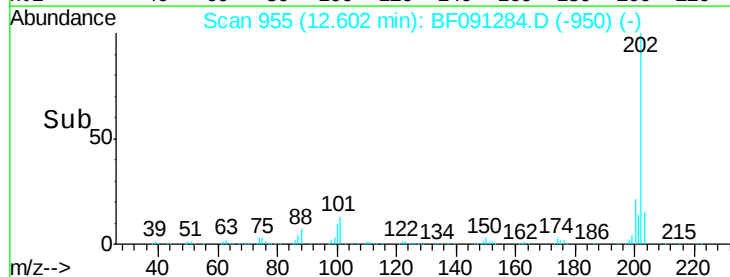
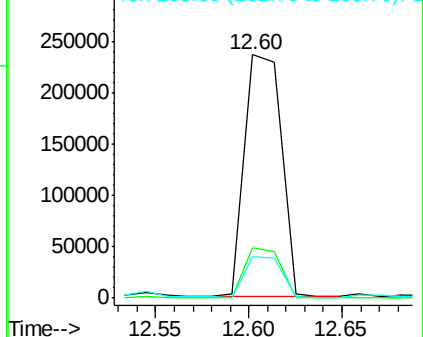
203 17.0 14.0 21.0

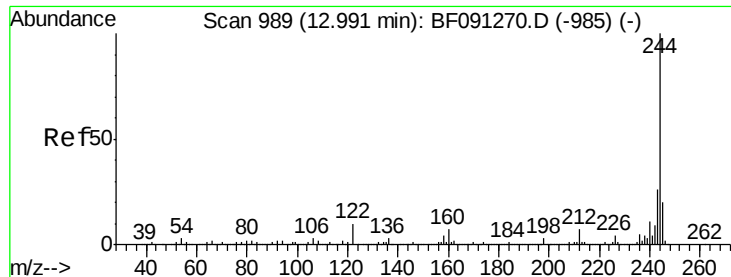


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 74.57 ng

RT: 12.99 min Scan# 989

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

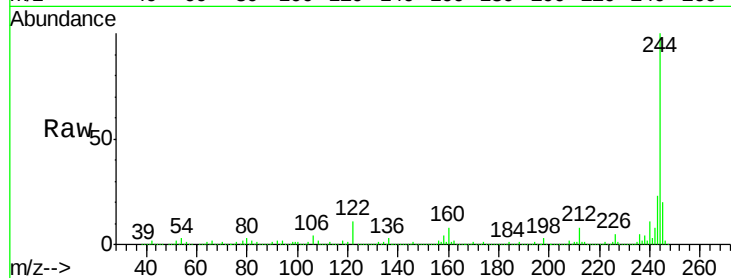
Tgt Ion:244 Resp: 1976564

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

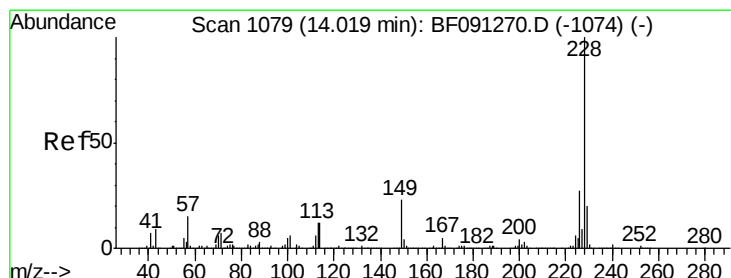
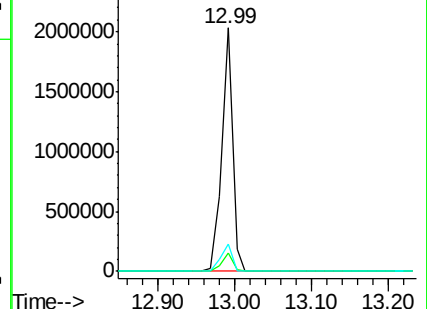
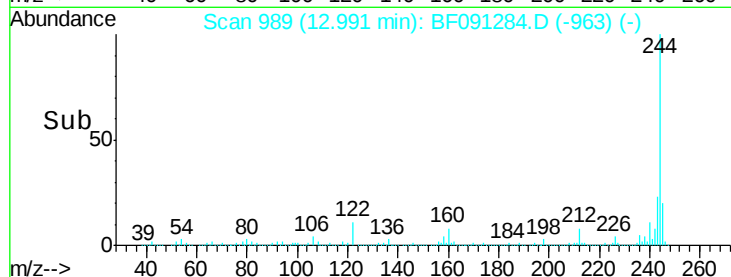
122 11.2 9.5 14.3



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: 5.64 ng

RT: 14.02 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

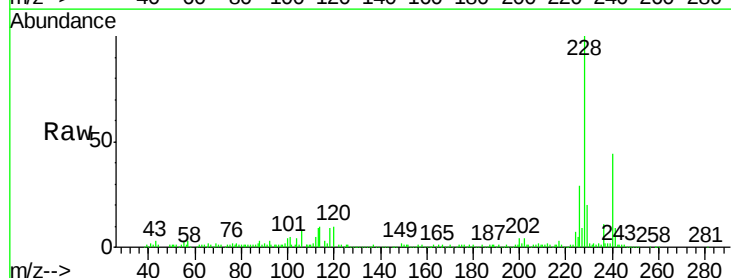
Tgt Ion:228 Resp: 193889

Ion Ratio Lower Upper

228 100

226 28.8 22.5 33.7

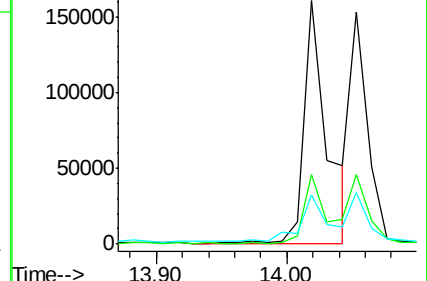
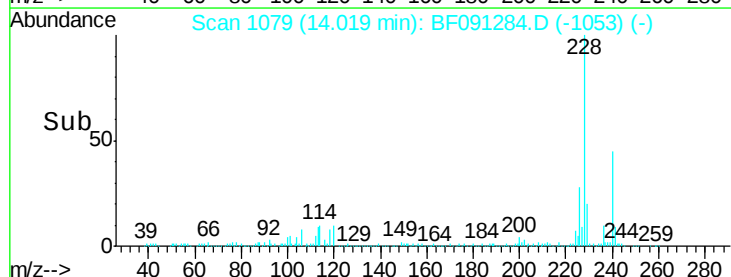
229 20.3 16.4 24.6

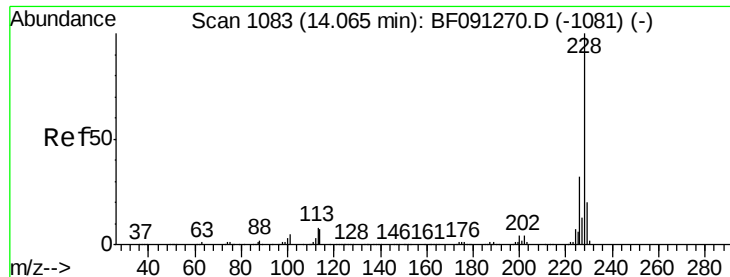


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.97 ng

RT: 14.02 min Scan# 1079

Delta R.T. -0.05 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

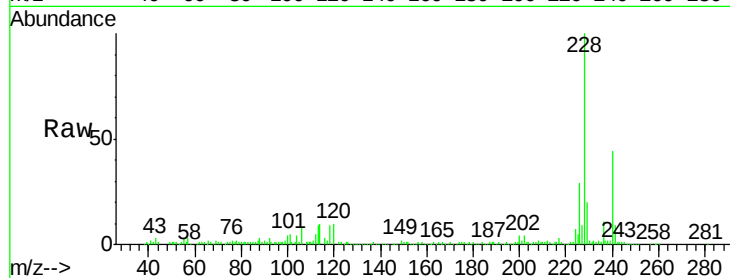
Tgt Ion:228 Resp: 193889

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.4

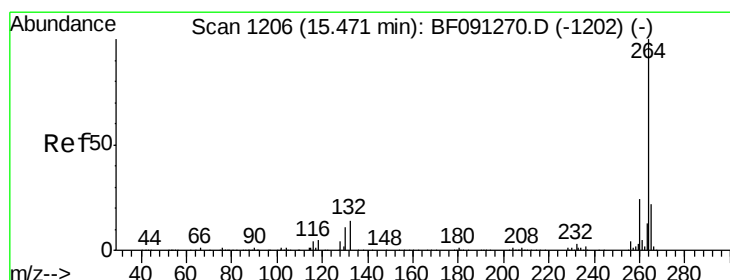
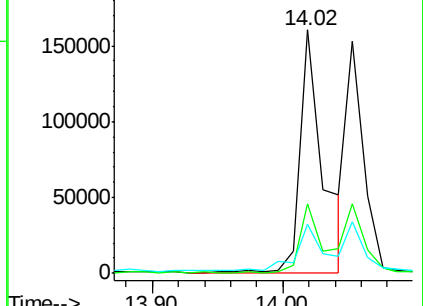
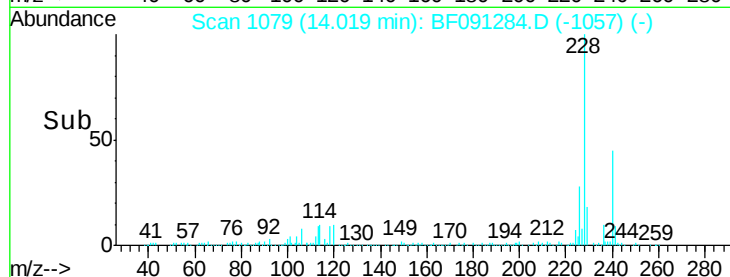
229 20.3 16.0 24.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

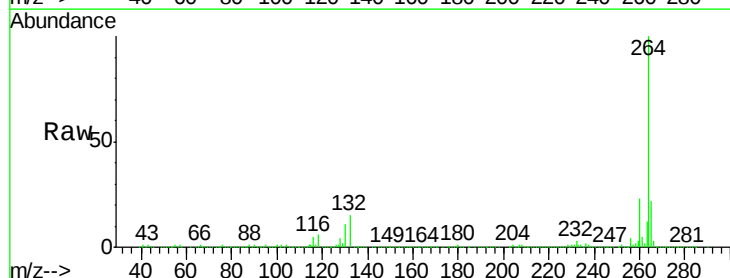
Tgt Ion:264 Resp: 512160

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

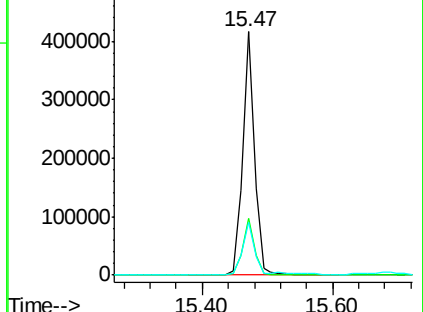
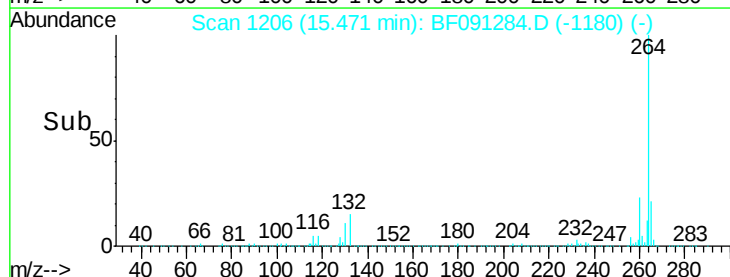
265 21.6 17.0 25.6

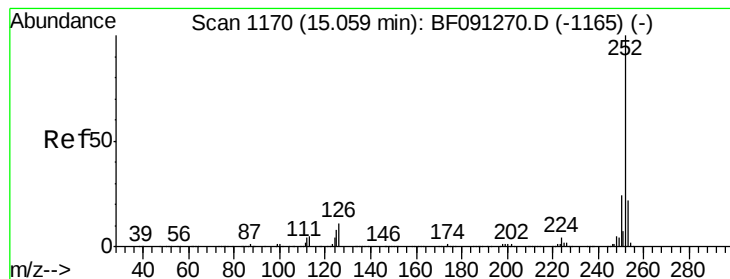


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.67 ng

RT: 15.06 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE

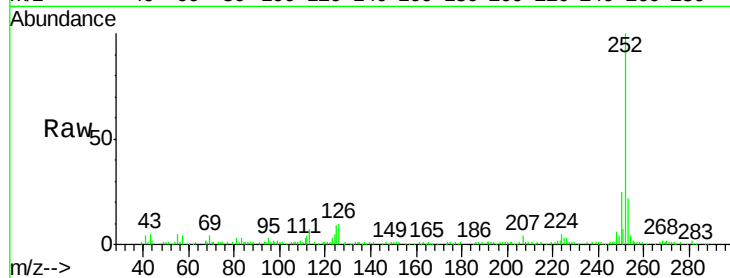
Tgt Ion:252 Resp: 183070

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.2

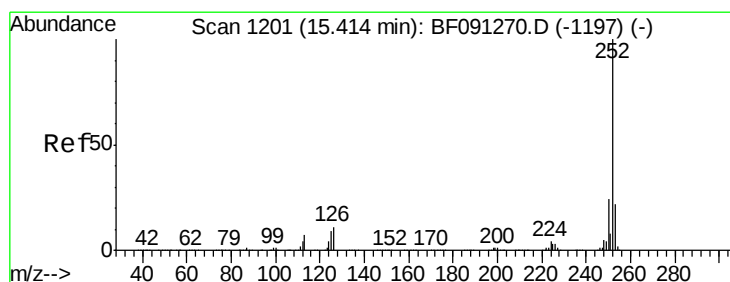
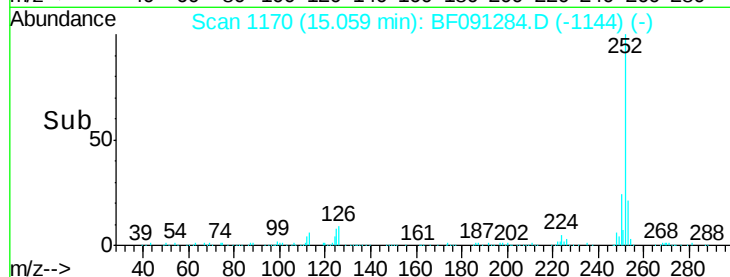
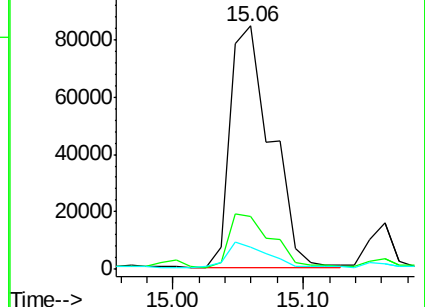
125 9.3 8.6 13.0



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: 3.61 ng

RT: 15.40 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF091284.D

Acq: 23 Nov 2016 19:35

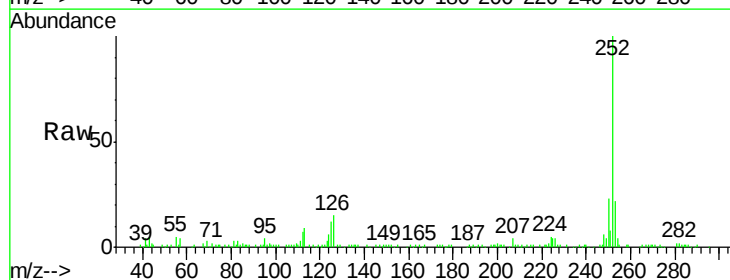
Tgt Ion:252 Resp: 99287

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

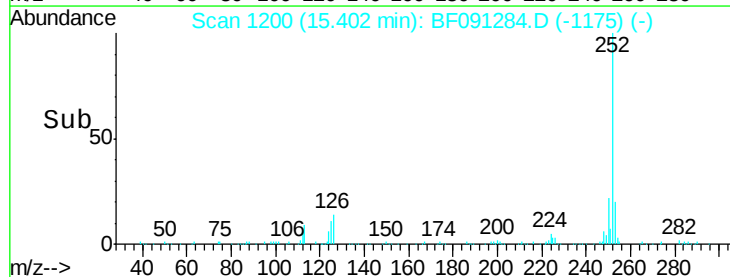
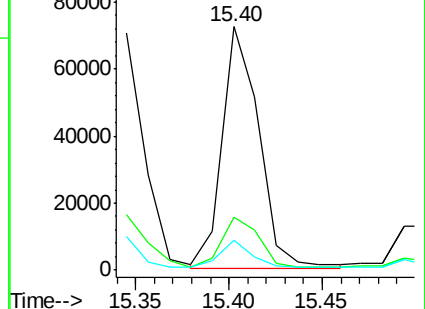
125 12.0 10.4 15.6

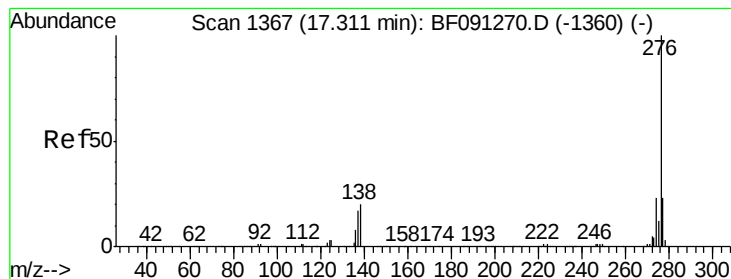


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.20 ng

RT: 17.30 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF091284.D

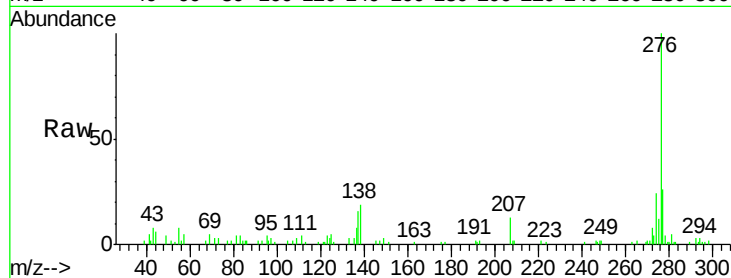
Acq: 23 Nov 2016 19:35

Instrument :

BNA_F

ClientSampleId :

18A-STOCKPILE



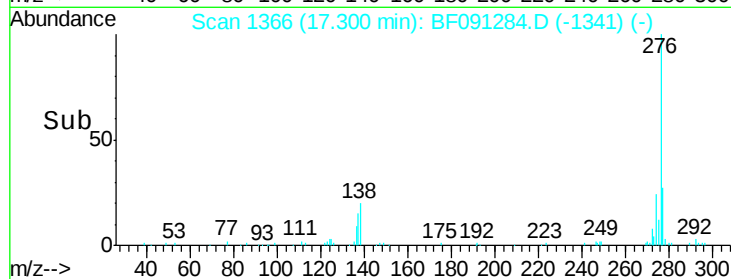
Tgt Ion: 276 Resp: 55487

Ion Ratio Lower Upper

276 100

277 26.2 19.0 28.4

138 19.2 15.4 23.0



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

