

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091684.D
 Acq On : 16 Dec 2016 20:32
 Operator : UM/SJ
 Sample : H6125-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46(22-24)-12-14-16

Quant Time: Dec 16 22:02:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	164657	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	848571	20.00	ng	-0.02
38) Acenaphthene-d10	9.81	164	527425	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	713524	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	571766	20.00	ng	-0.02
86) Perylene-d12	15.32	264	502549	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1339493	137.05	ng	0.00
7) Phenol-d6	6.42	99	1624779	133.35	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1226748	80.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	566182	129.24	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1913318	62.68	ng	-0.01
78) Terphenyl-d14	12.88	244	1679016	66.63	ng	-0.02

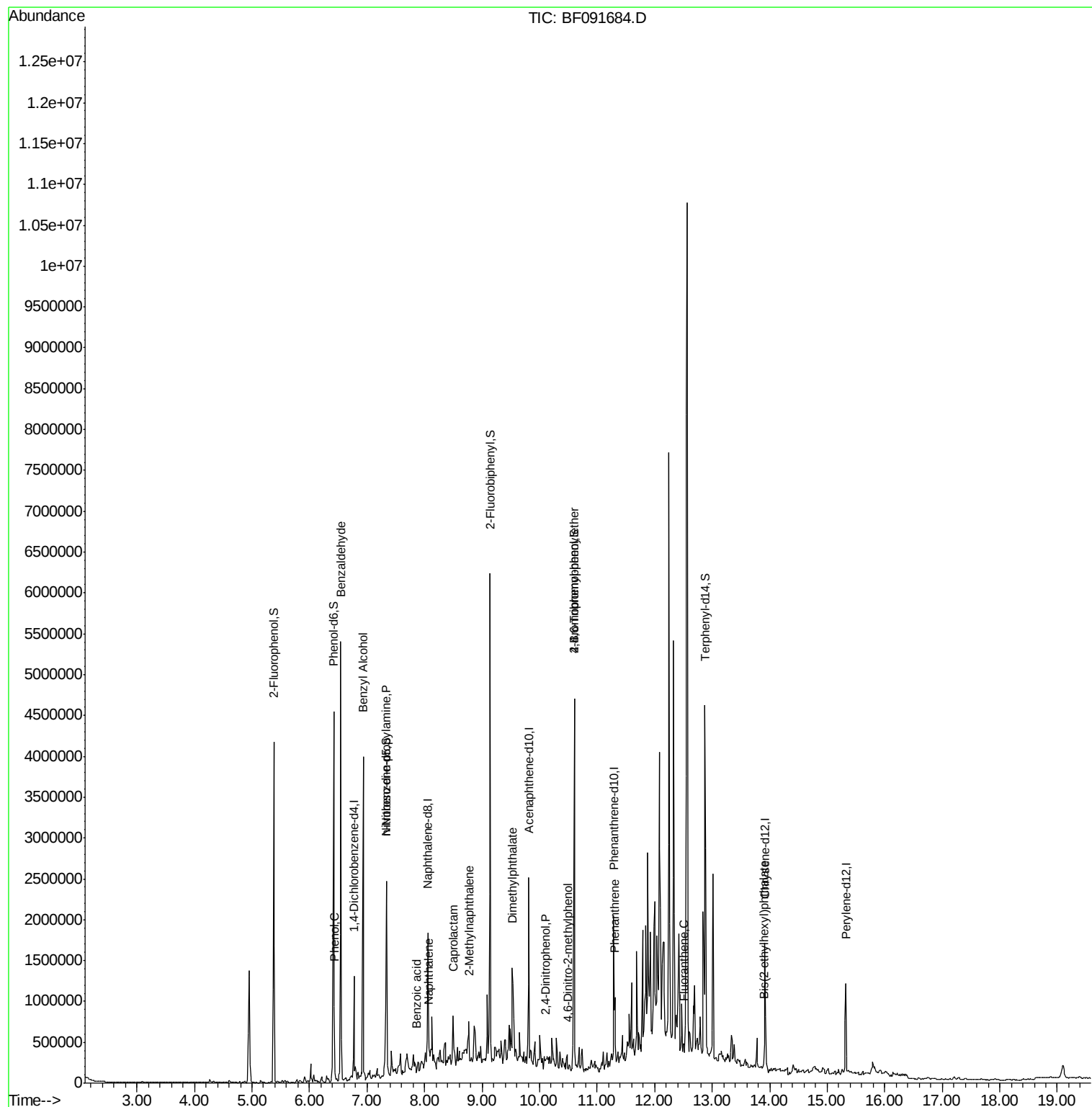
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	39104	4.66	ng	86
10) Phenol	6.43	94	102470	7.19	ng	93
15) Benzyl Alcohol	6.93	79	22705	2.36	ng	# 31
19) n-Nitroso-di-n-propylamine	7.33	70	188691	24.77	ng	# 67
20) 3+4-Methylphenols	7.20	107	1257	Below Cal		# 23
31) Naphthalene	8.08	128	84181	2.13	ng	98
32) Benzoic acid	7.86	122	2245	5.12	ng	# 7
35) Caprolactam	8.50	113	22876	7.23	ng	96
37) 2-Methylnaphthalene	8.77	142	159417	6.24	ng	98
49) Dimethylphthalate	9.53	163	499657	14.96	ng	98
53) 2,4-Dinitrophenol	10.11	184	1621	2.60	ng	# 78
57) Fluorene	10.35	166	31820	Below Cal		# 91
64) 4,6-Dinitro-2-methylphenol	10.49	198	1502	3.27	ng	# 23
66) 4-Bromophenyl-phenylether	10.60	248	38699	5.29	ng	# 1
70) Phenanthrene	11.31	178	331483	9.38	ng	100
74) Fluoranthene	12.51	202	80000	2.16	ng	96
83) Bis(2-ethylhexyl)phthalate	13.91	149	53969	2.38	ng	# 90

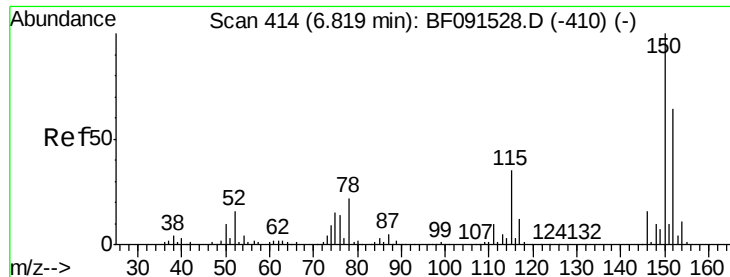
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

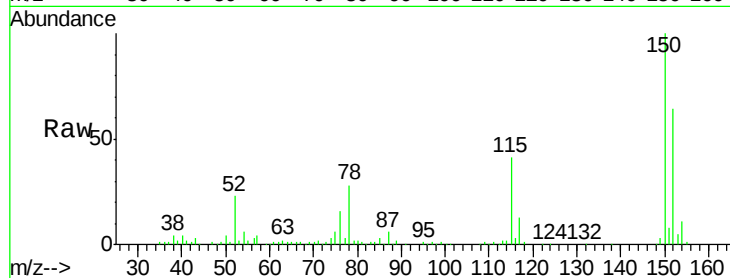
Tgt Ion:152 Resp: 164657

Ion Ratio Lower Upper

152 100

150 156.7 122.5 183.7

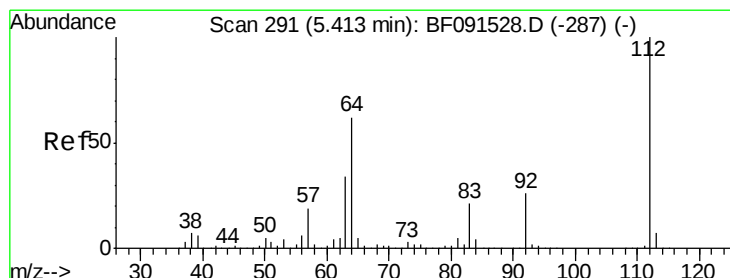
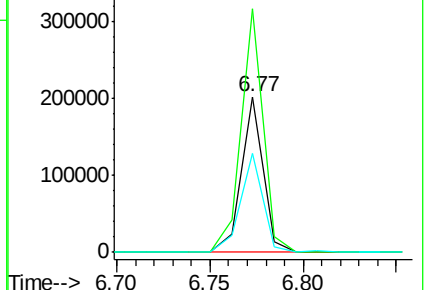
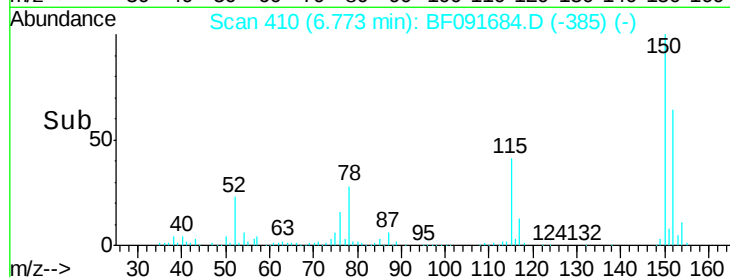
115 63.9 51.8 77.8



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: 137.05 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.00 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

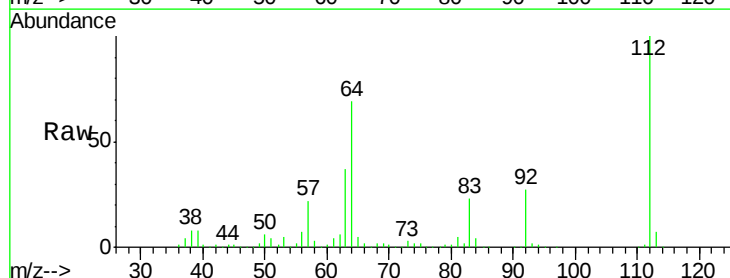
Tgt Ion:112 Resp: 1339493

Ion Ratio Lower Upper

112 100

64 69.1 61.5 92.3

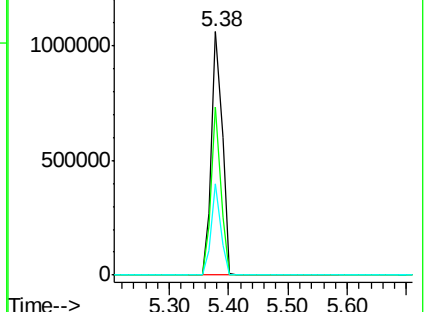
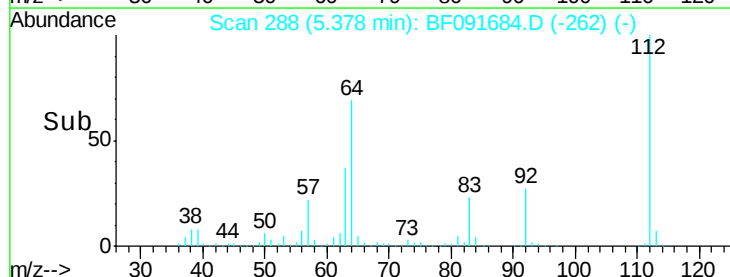
63 37.3 33.3 49.9



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: 133.35 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

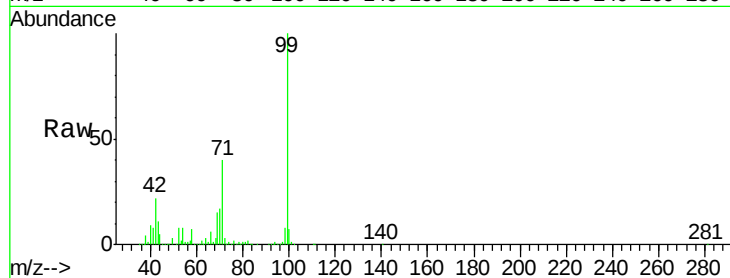
Tgt Ion: 99 Resp: 1624779

Ion Ratio Lower Upper

99 100

42 22.4 20.6 31.0

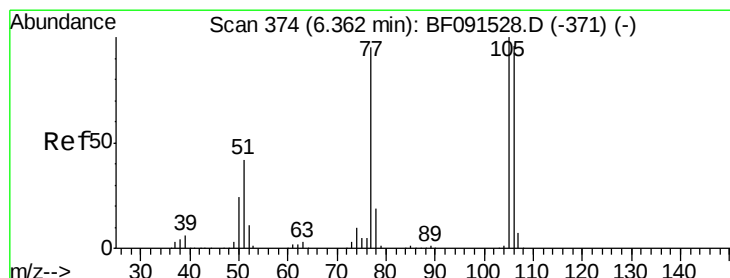
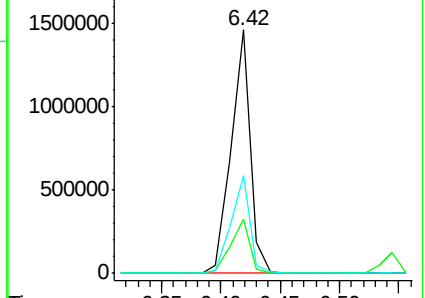
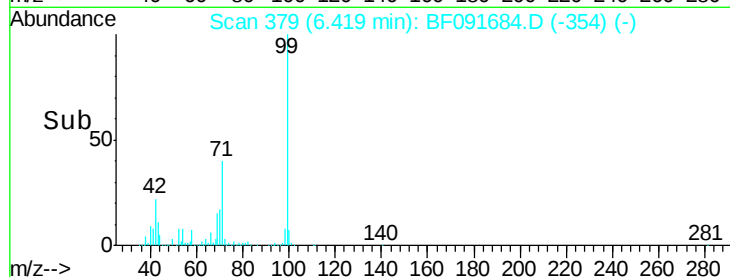
71 40.0 29.9 44.9



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: 4.66 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

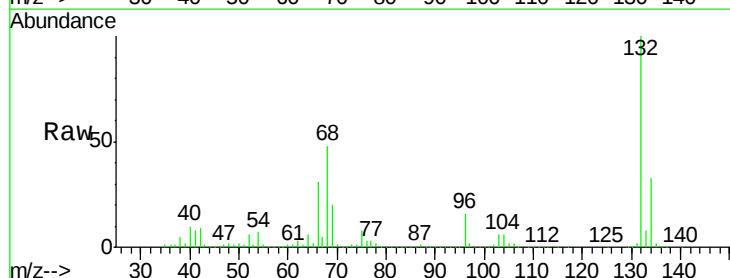
Tgt Ion: 77 Resp: 39104

Ion Ratio Lower Upper

77 100

105 76.9 66.4 106.4

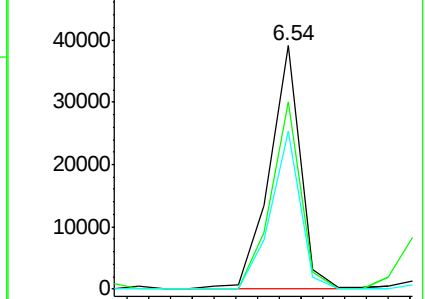
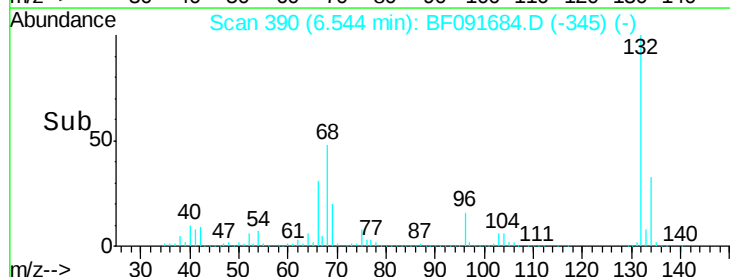
106 64.8 60.9 100.9

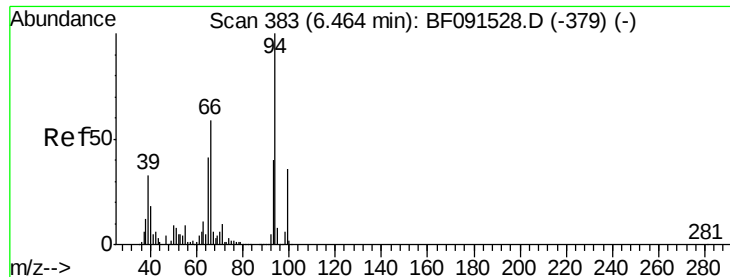


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 7.19 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

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ClientSampleId :

SB-46(22-24)-12-14-16

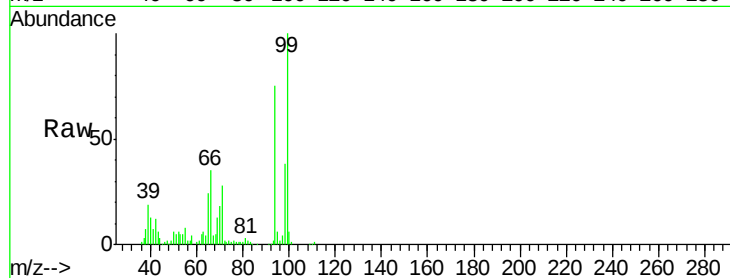
Tgt Ion: 94 Resp: 102470

Ion Ratio Lower Upper

94 100

65 31.6 16.9 56.9

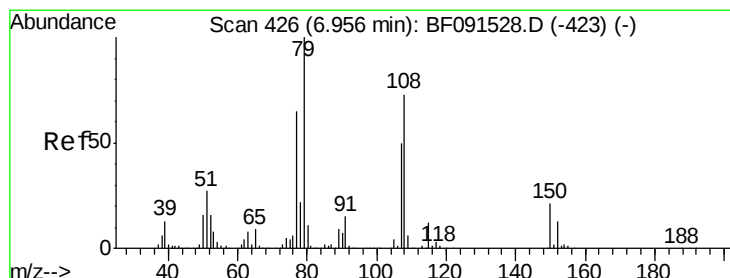
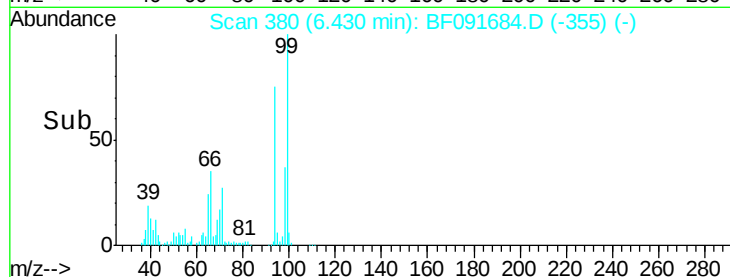
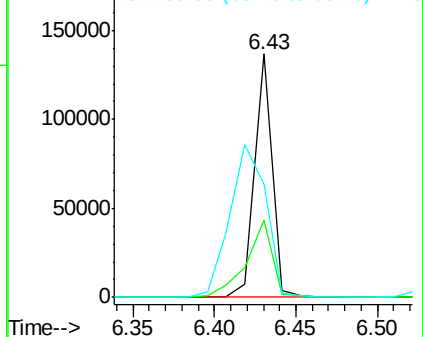
66 46.6 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

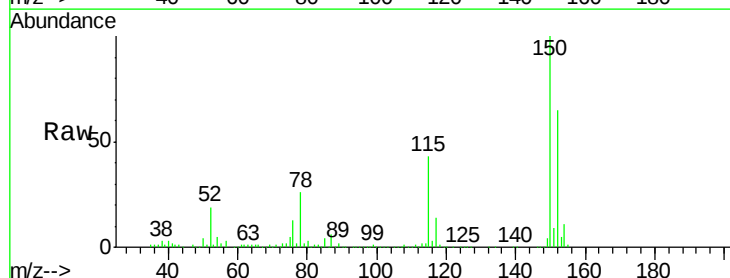
Tgt Ion: 79 Resp: 22705

Ion Ratio Lower Upper

79 100

108 34.3 62.7 94.1#

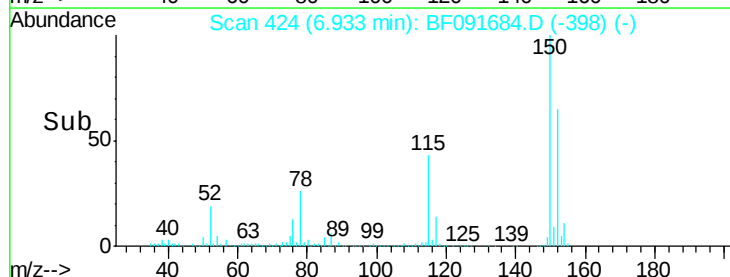
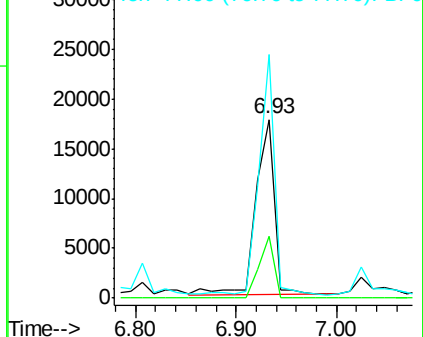
77 136.1 51.7 77.5#

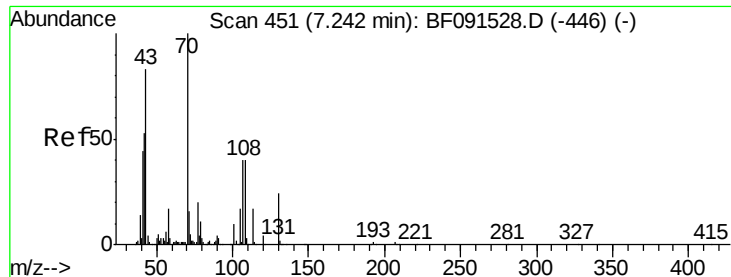


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

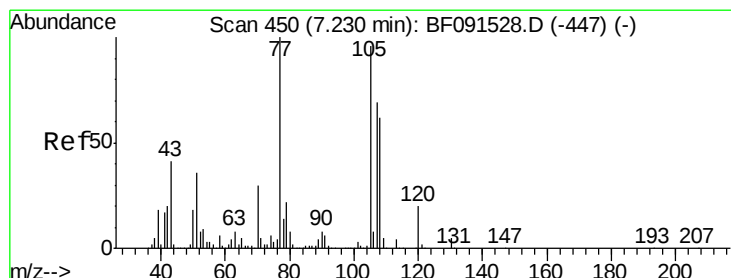
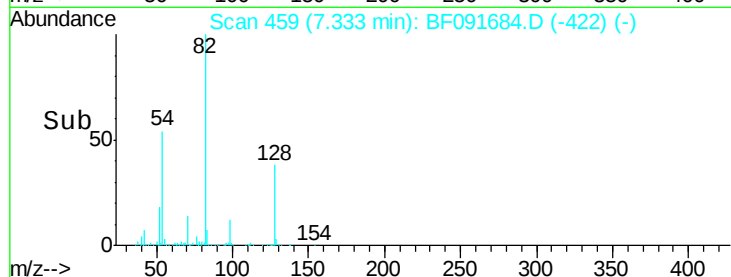
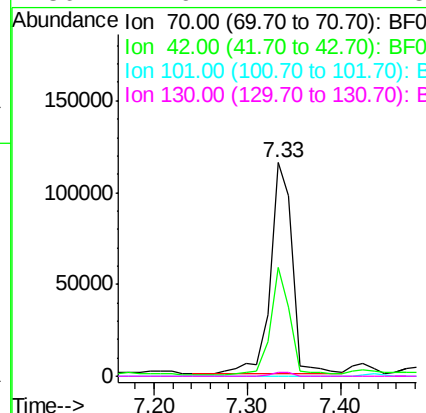
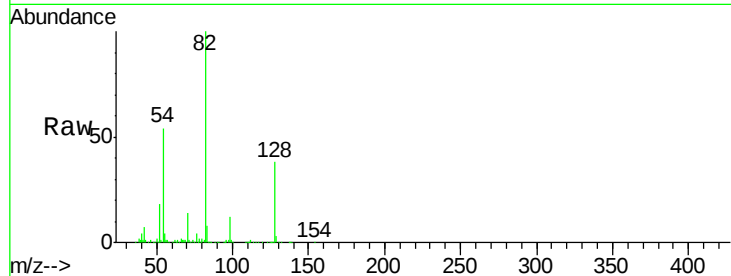




#19
n-Nitroso-di-n-propylamine
Concen: 24.77 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.13 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

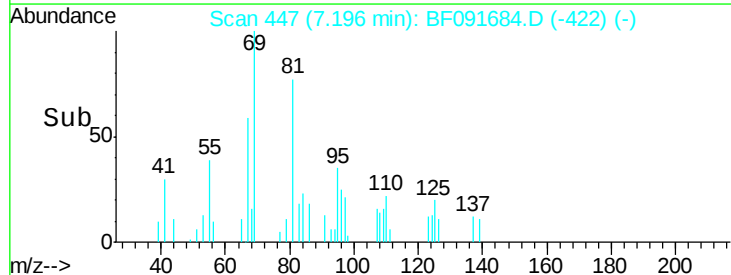
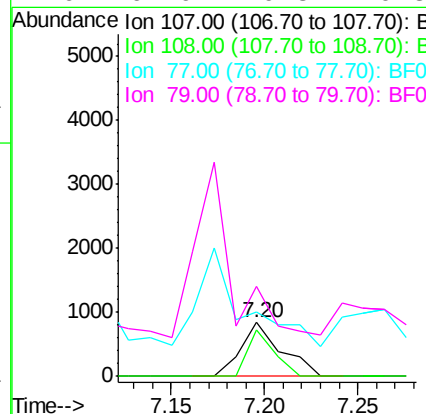
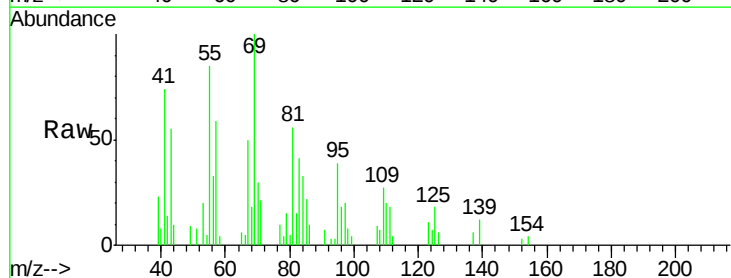
Instrument :
BNA_F
ClientSampleId :
SB-46(22-24)-12-14-16

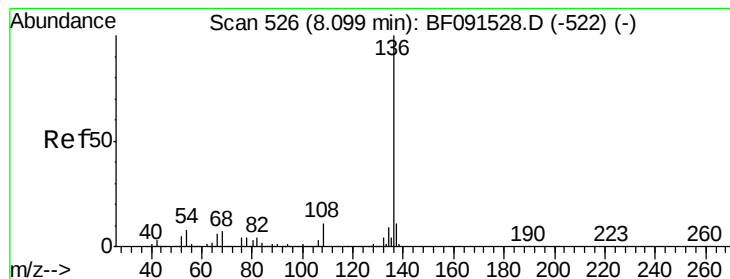
Tgt Ion: 70 Resp: 188691
Ion Ratio Lower Upper
70 100
42 50.9 64.8 97.2#
101 0.0 6.2 9.4#
130 1.9 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Tgt Ion: 107 Resp: 1257
Ion Ratio Lower Upper
107 100
108 85.4 64.6 104.6
77 120.1 30.9 70.9#
79 167.9 9.3 49.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

Tgt Ion:136 Resp: 848571

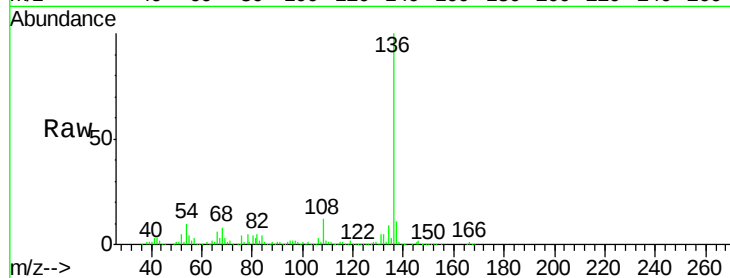
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 10.0 9.1 13.7

68 7.8 5.9 8.9

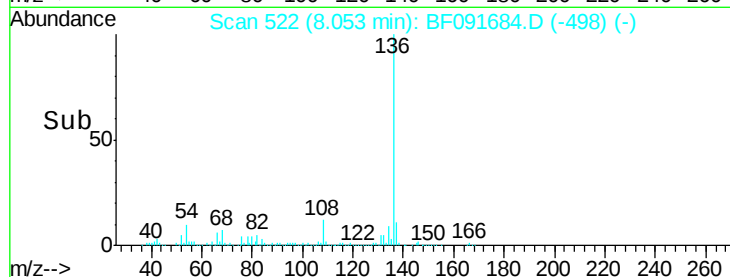


Abundance Ion 136.00 (135.70 to 136.70): E

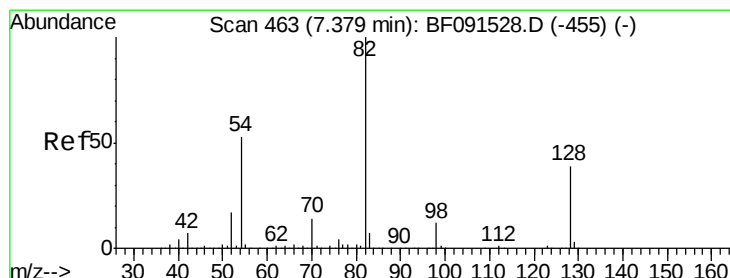
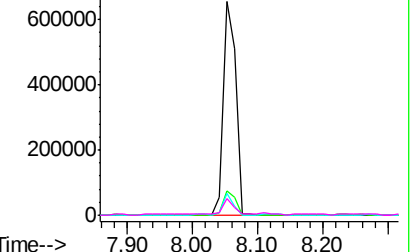
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 80.69 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

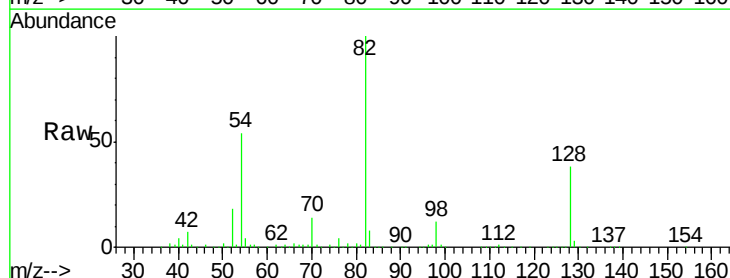
Tgt Ion: 82 Resp: 1226748

Ion Ratio Lower Upper

82 100

128 37.7 31.8 47.6

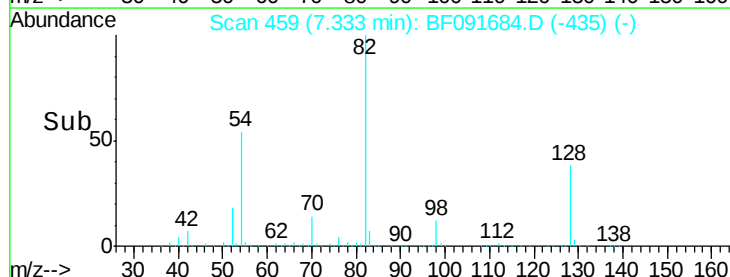
54 54.2 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

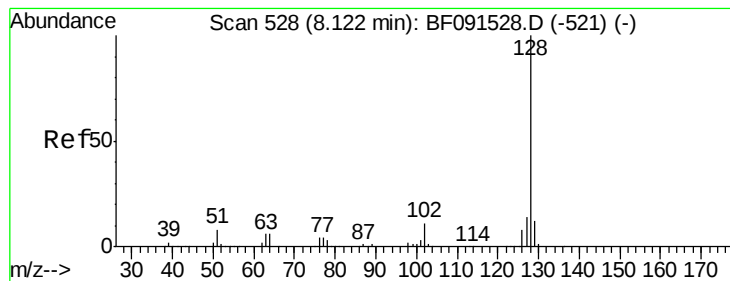
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#31

Naphthalene

Concen: 2.13 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.02 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

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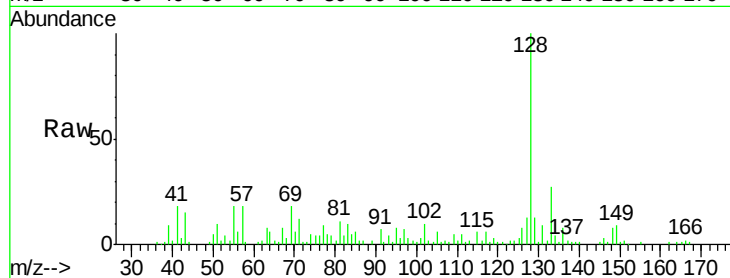
Tgt Ion:128 Resp: 84181

Ion Ratio Lower Upper

128 100

129 12.7 9.1 13.7

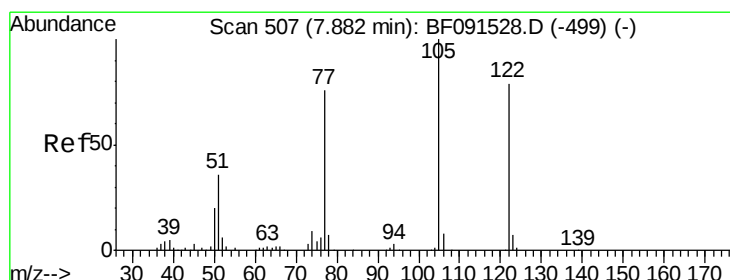
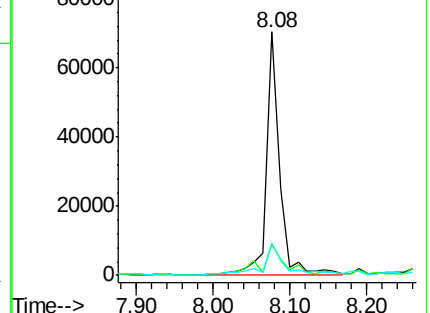
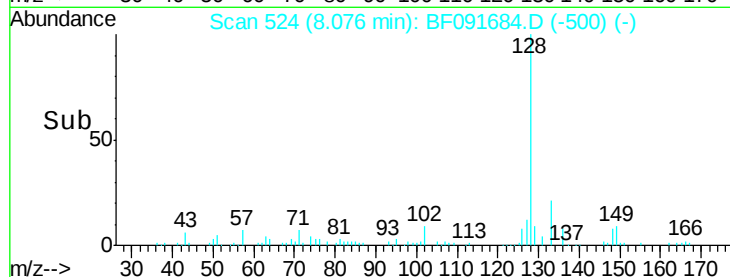
127 13.4 11.0 16.4



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



#32

Benzoic acid

Concen: 5.12 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

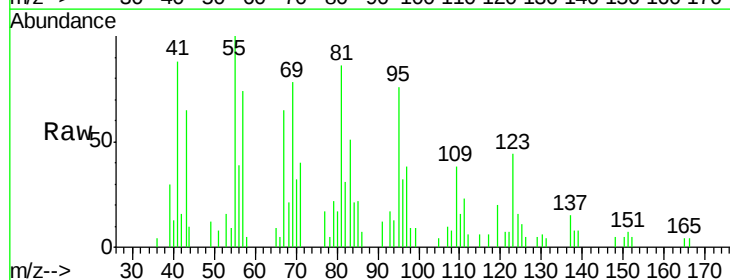
Tgt Ion:122 Resp: 2245

Ion Ratio Lower Upper

122 100

105 54.7 113.0 153.0#

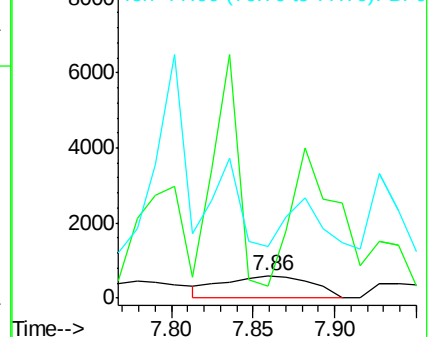
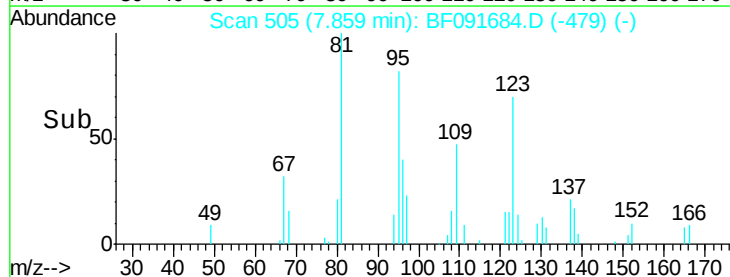
77 231.7 82.0 122.0#

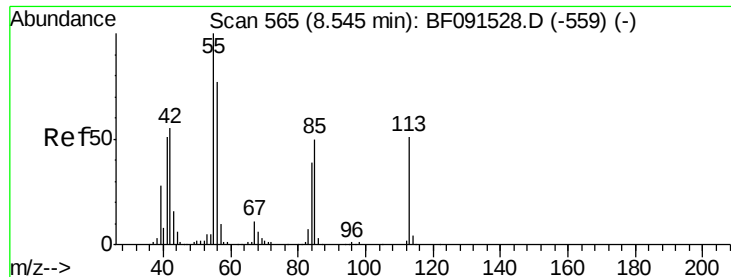


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

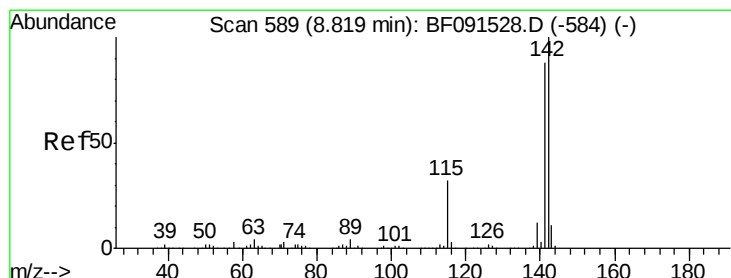
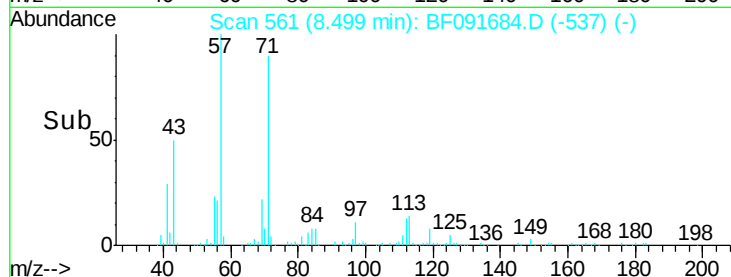
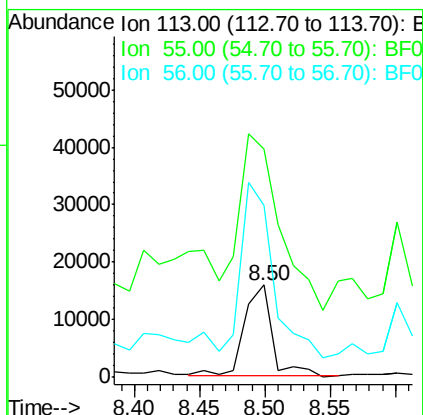
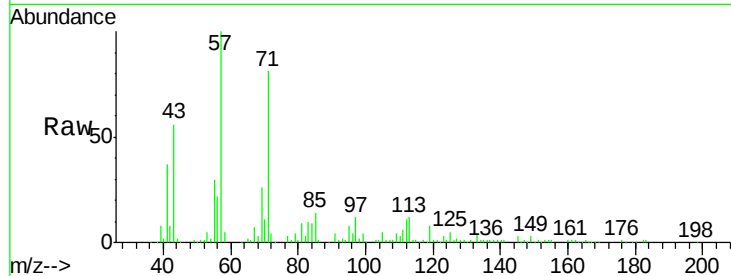




#35
 Caprolactam
 Concen: 7.23 ng
 RT: 8.50 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BF091684.D
 Acq: 16 Dec 2016 20:32

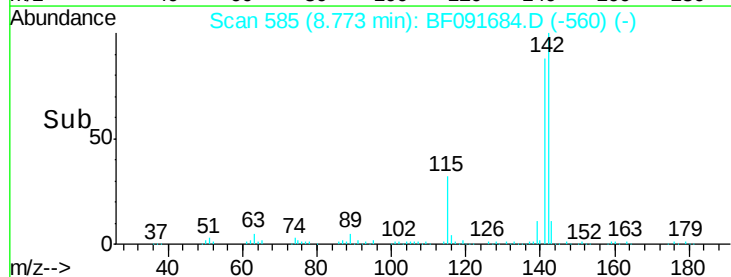
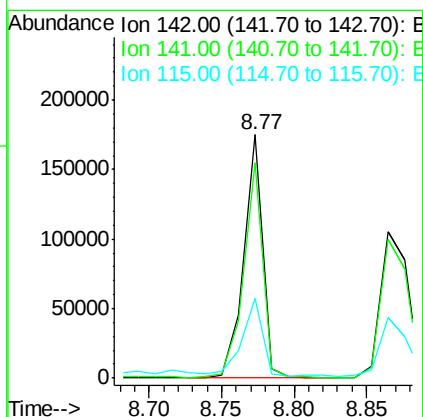
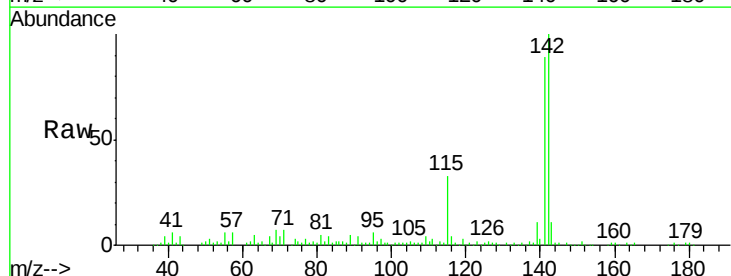
Instrument :
 BNA_F
 ClientSampleId :
 SB-46(22-24)-12-14-16

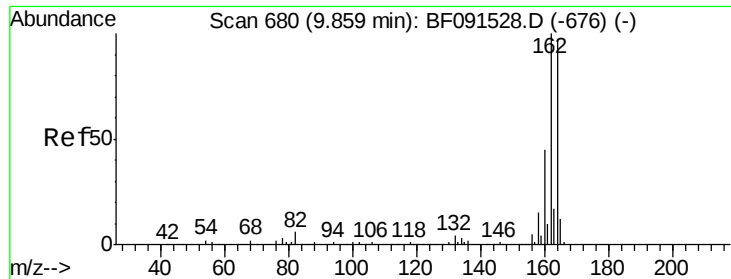
Tgt Ion:113 Resp: 22876
 Ion Ratio Lower Upper
 113 100
 55 247.0 239.8 279.8
 56 185.5 165.6 205.6



#37
 2-Methylnaphthalene
 Concen: 6.24 ng
 RT: 8.77 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF091684.D
 Acq: 16 Dec 2016 20:32

Tgt Ion:142 Resp: 159417
 Ion Ratio Lower Upper
 142 100
 141 88.6 71.7 107.5
 115 32.8 25.0 37.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

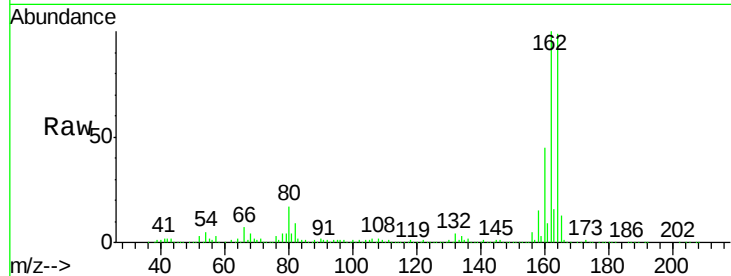
Tgt Ion:164 Resp: 527425

Ion Ratio Lower Upper

164 100

162 100.5 82.6 124.0

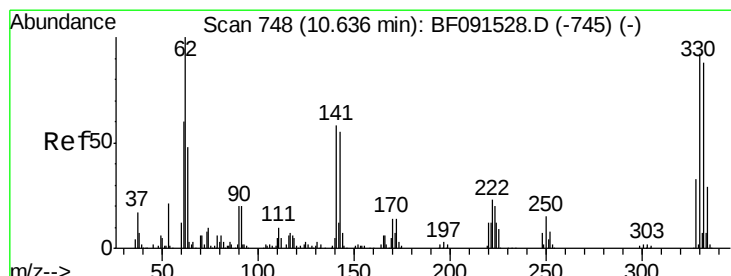
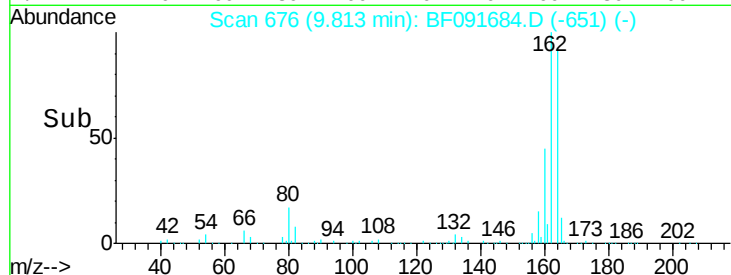
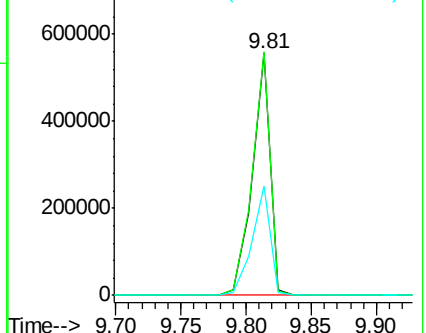
160 45.3 36.7 55.1



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: 129.24 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

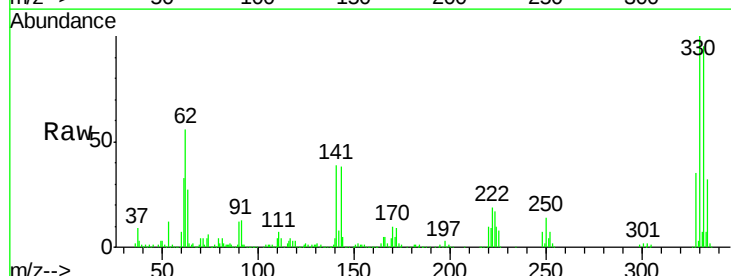
Tgt Ion:330 Resp: 566182

Ion Ratio Lower Upper

330 100

332 95.7 76.2 114.4

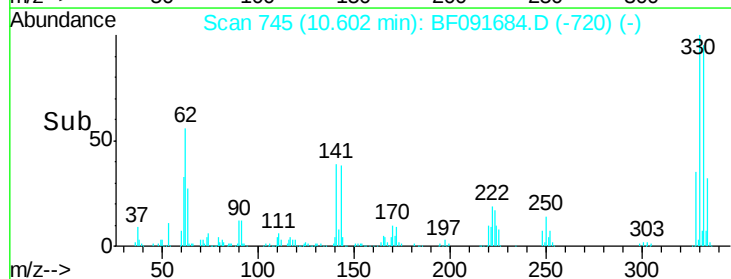
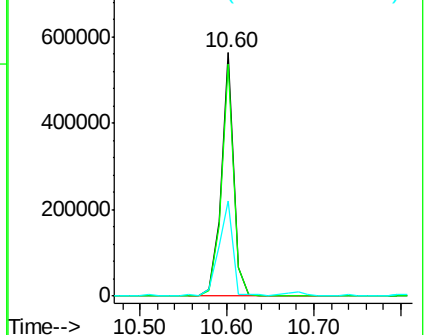
141 43.0 33.6 50.4

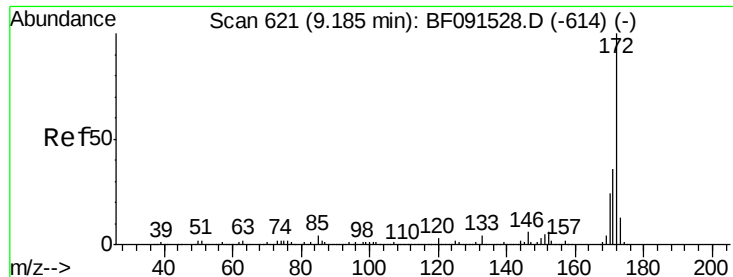


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 62.68 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

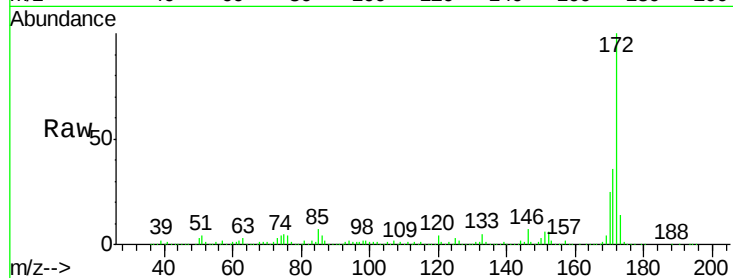
Tgt Ion:172 Resp: 1913318

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

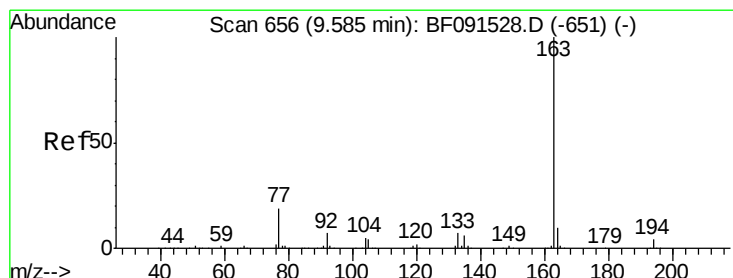
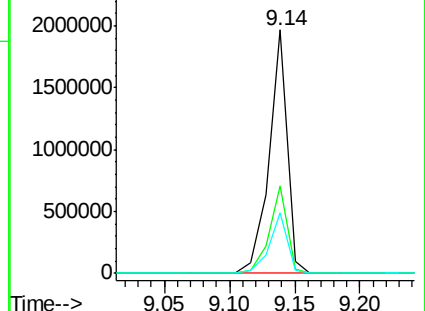
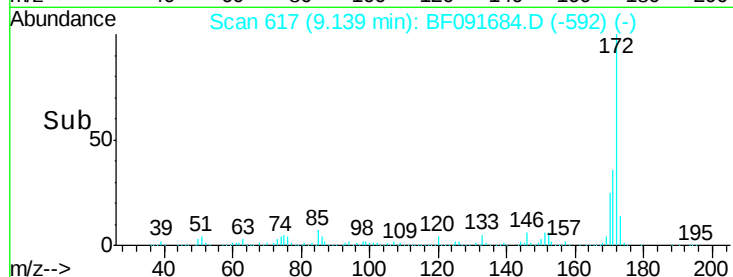
170 25.0 19.7 29.5



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: 14.96 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.03 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

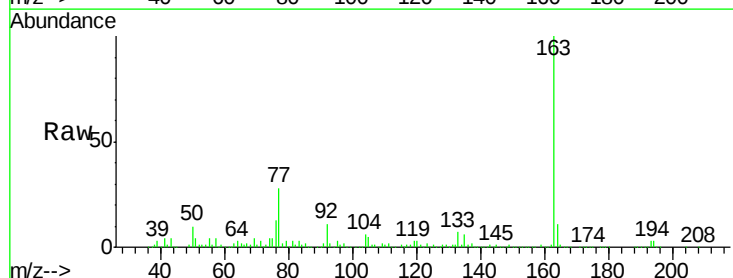
Tgt Ion:163 Resp: 499657

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

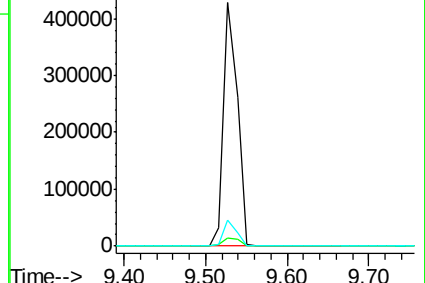
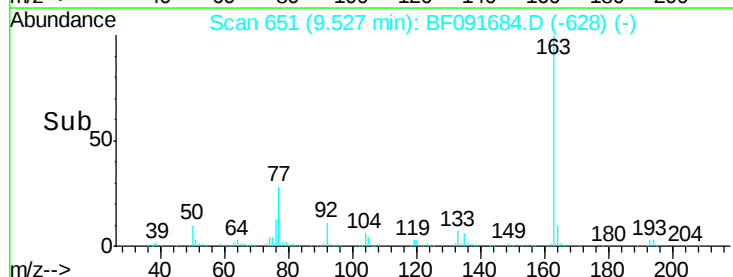
164 10.5 7.8 11.8

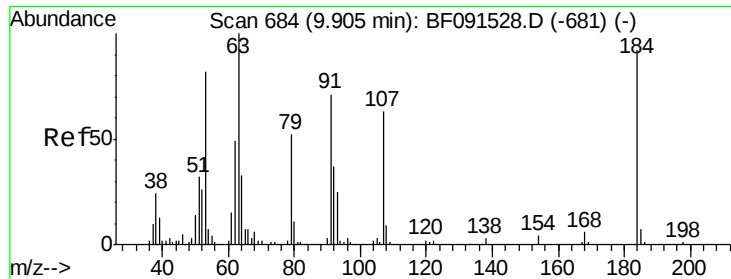


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

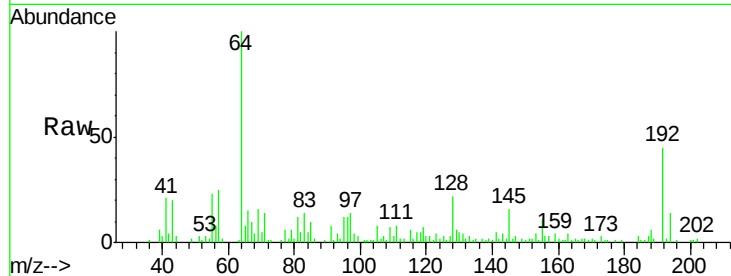




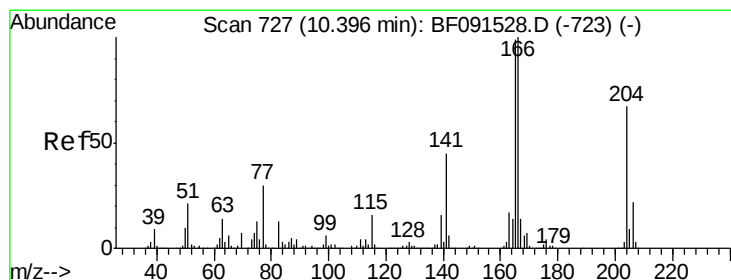
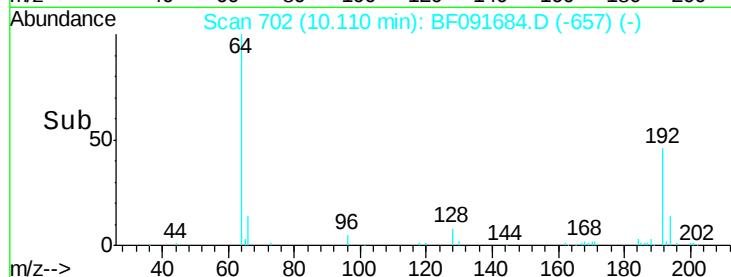
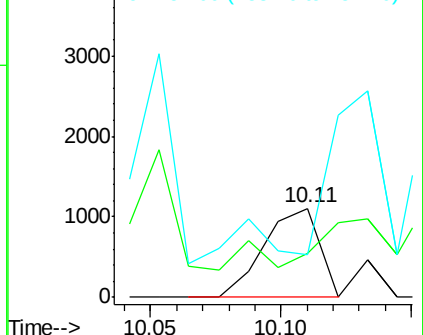
#53
2,4-Dinitrophenol
Concen: 2.60 ng
RT: 10.11 min Scan# 702
Delta R.T. 0.22 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Instrument :
BNA_F
ClientSampleId :
SB-46(22-24)-12-14-16

Tgt Ion:184 Resp: 1621
Ion Ratio Lower Upper
184 100
63 50.0 58.3 87.5#
154 48.1 48.6 73.0#

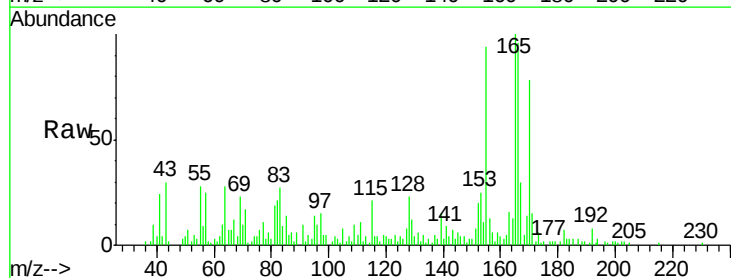


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

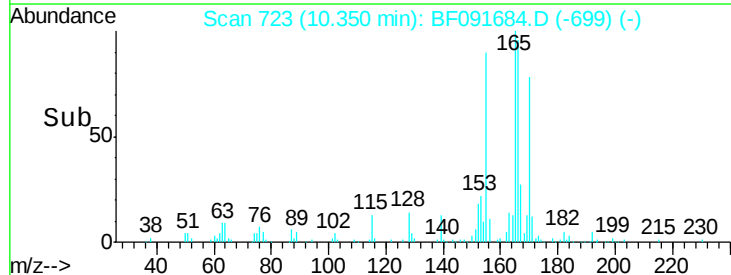
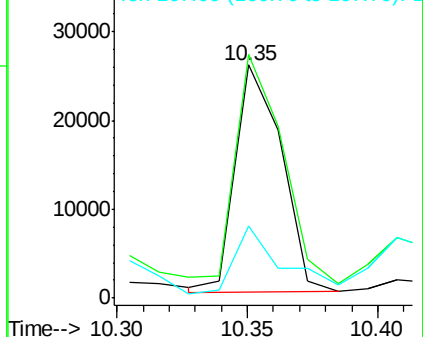


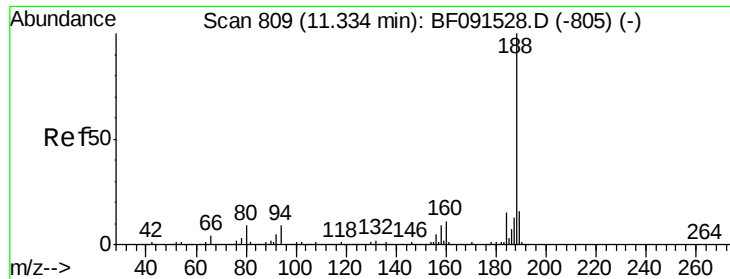
#57
Fluorene
Concen: Below Cal
RT: 10.35 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Tgt Ion:166 Resp: 31820
Ion Ratio Lower Upper
166 100
165 104.6 80.0 120.0
167 31.1 10.8 16.2#



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

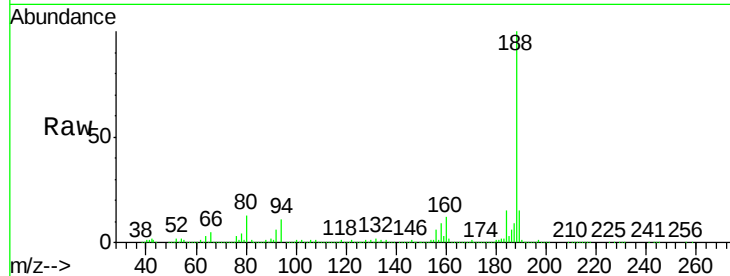




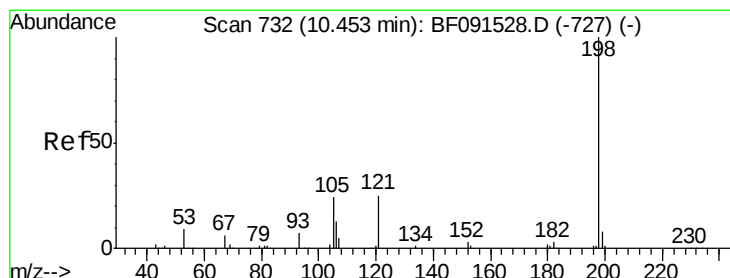
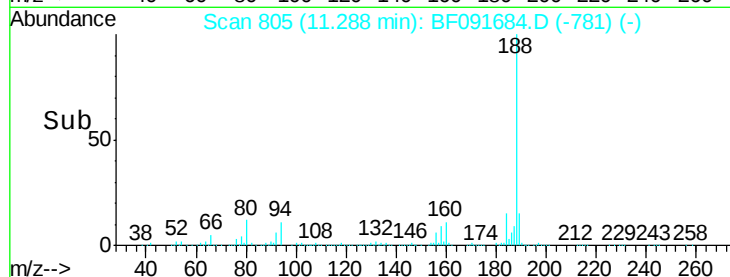
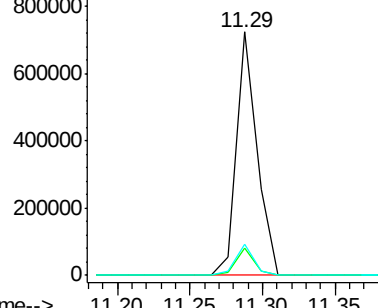
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Instrument :
BNA_F
ClientSampleId :
SB-46(22-24)-12-14-16

Tgt Ion:188 Resp: 713524
Ion Ratio Lower Upper
188 100
94 11.3 9.2 13.8
80 12.5 10.5 15.7

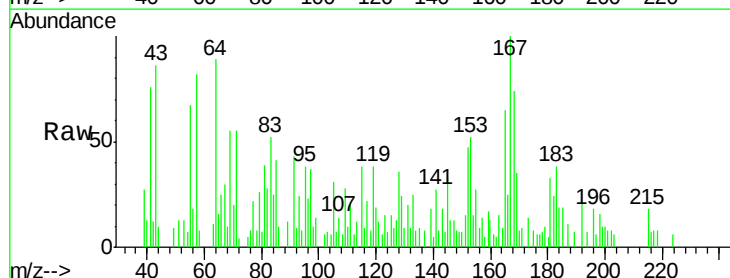


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

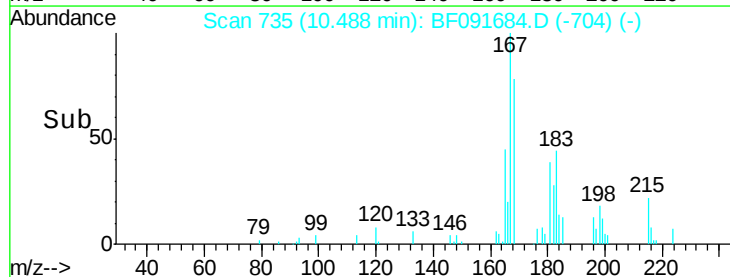
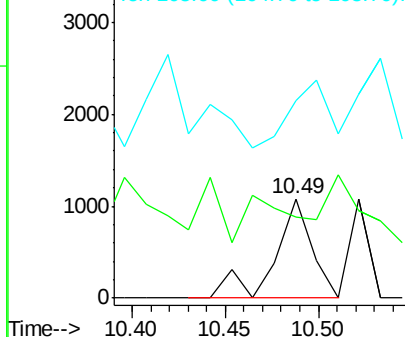


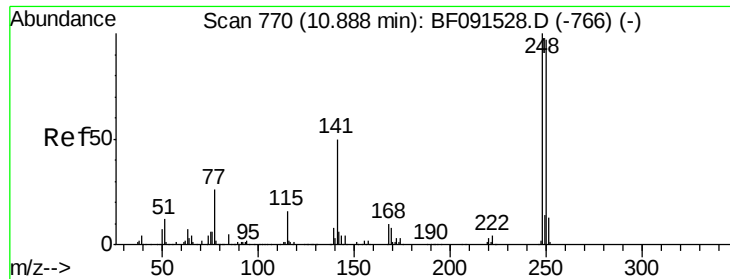
#64
4,6-Dinitro-2-methylphenol
Concen: 3.27 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.06 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Tgt Ion:198 Resp: 1502
Ion Ratio Lower Upper
198 100
51 82.0 77.1 117.1
105 198.6 44.8 84.8#



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

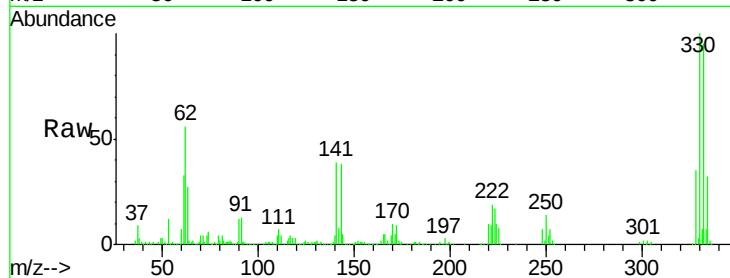




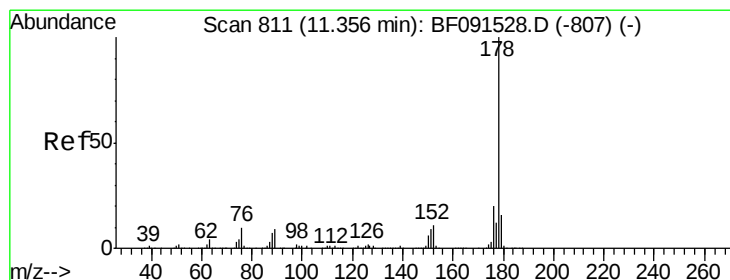
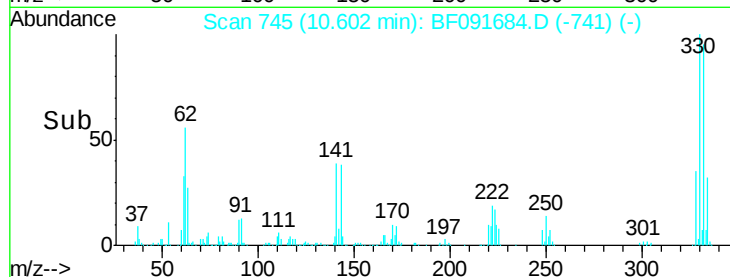
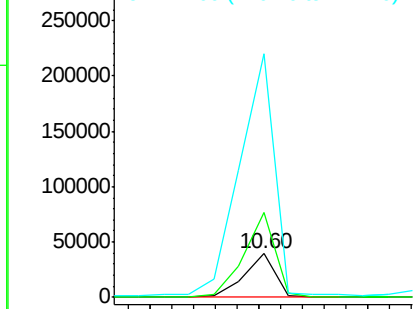
#66
4-Bromophenyl-phenylether
Concen: 5.29 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Instrument :
BNA_F
ClientSampleId :
SB-46(22-24)-12-14-16

Tgt Ion:248 Resp: 38699
Ion Ratio Lower Upper
248 100
250 196.3 78.2 117.4#
141 561.2 71.9 107.9#

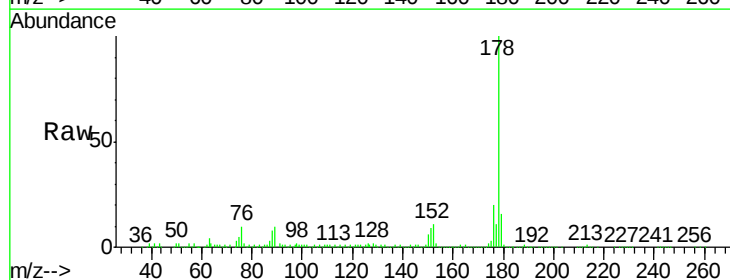


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

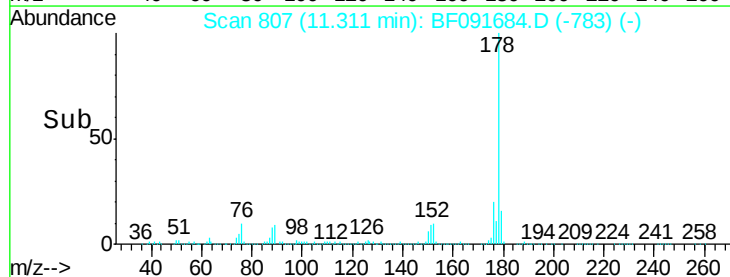
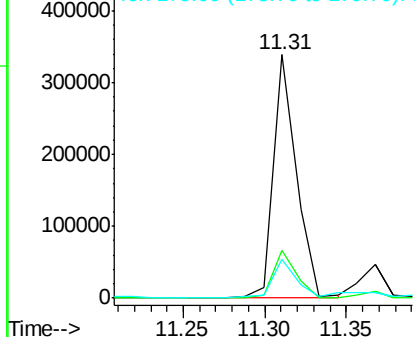


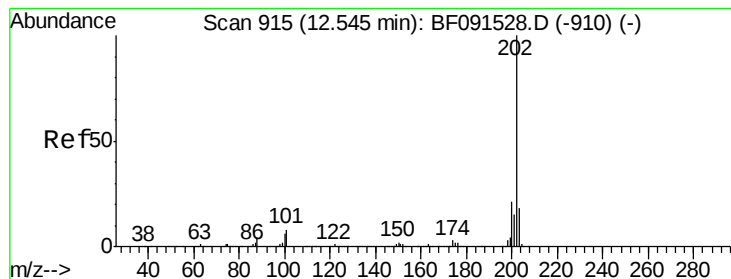
#70
Phenanthrene
Concen: 9.38 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Tgt Ion:178 Resp: 331483
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.8 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: 2.16 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

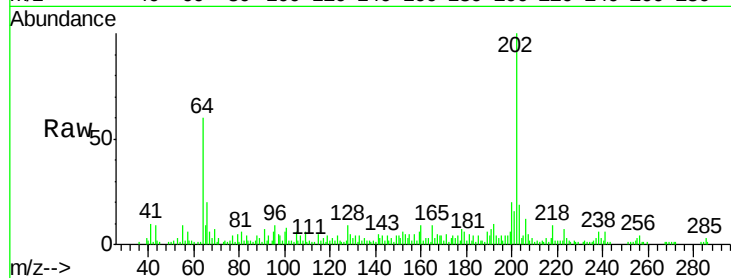
Tgt Ion:202 Resp: 80000

Ion Ratio Lower Upper

202 100

101 7.7 0.0 29.5

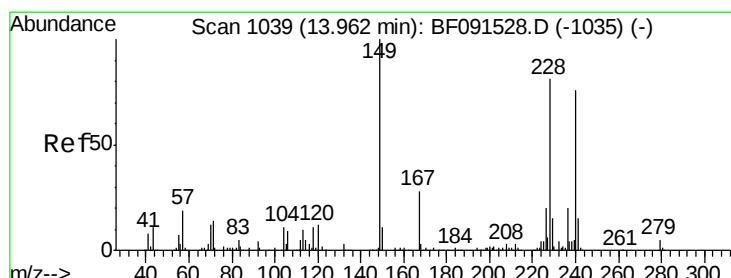
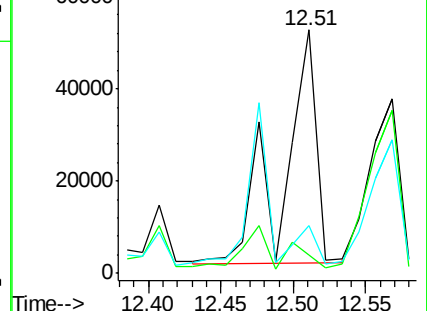
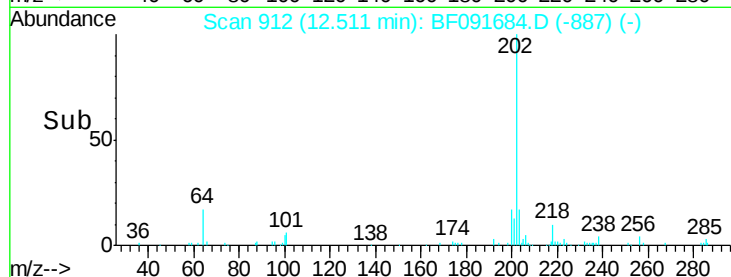
203 19.5 0.0 37.8



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: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

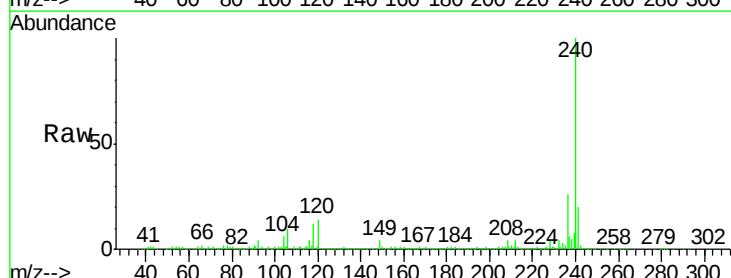
Tgt Ion:240 Resp: 571766

Ion Ratio Lower Upper

240 100

120 13.5 12.1 18.1

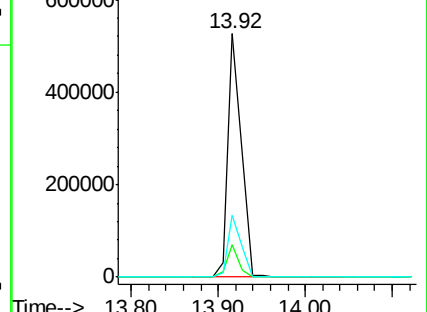
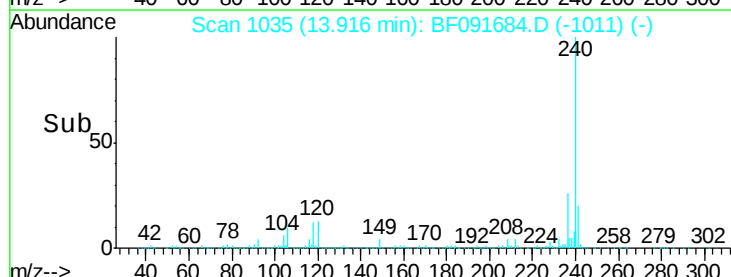
236 25.6 21.0 31.6

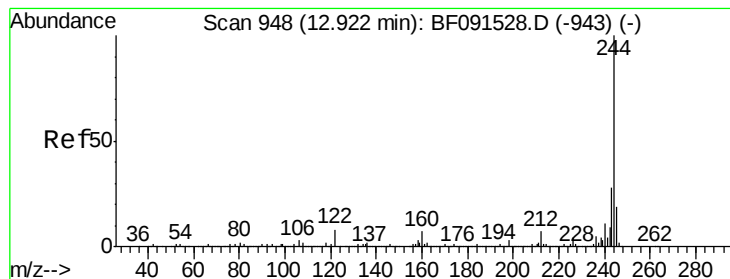


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 66.63 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

Instrument :

BNA_F

ClientSampleId :

SB-46(22-24)-12-14-16

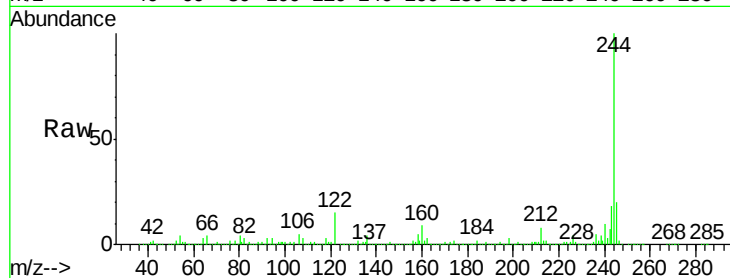
Tgt Ion:244 Resp: 1679016

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

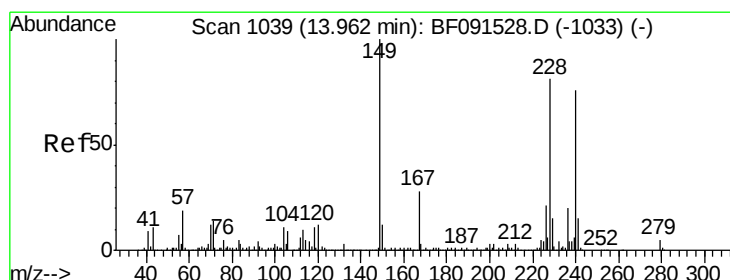
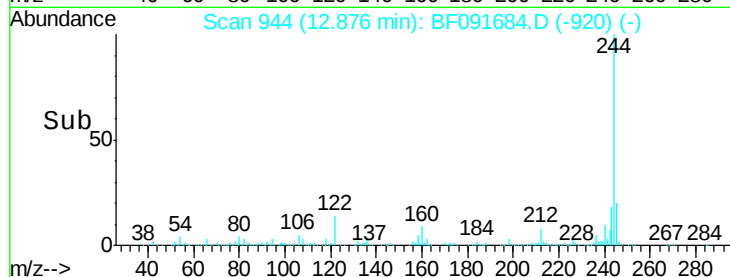
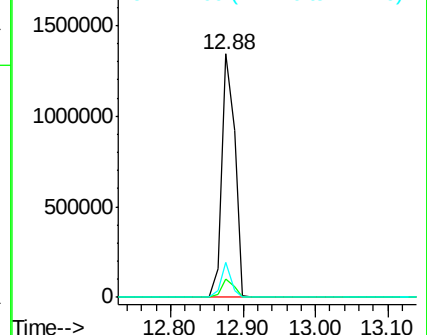
122 14.5 9.5 14.3#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.38 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091684.D

Acq: 16 Dec 2016 20:32

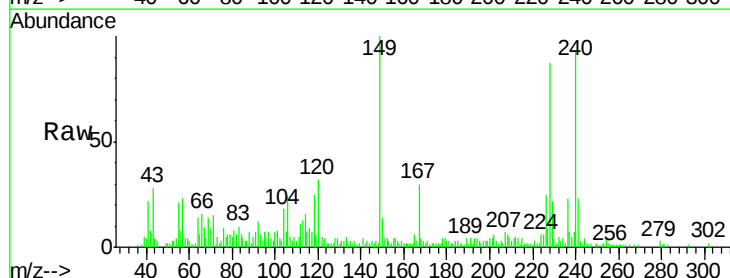
Tgt Ion:149 Resp: 53969

Ion Ratio Lower Upper

149 100

167 30.1 19.6 29.4#

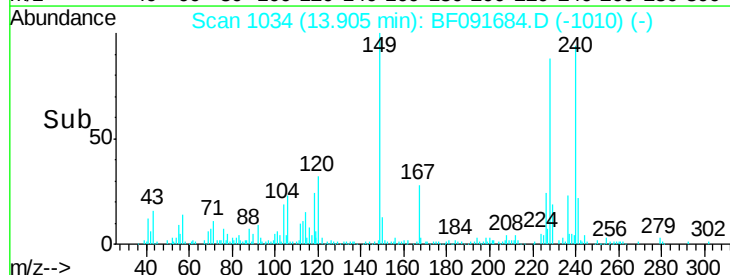
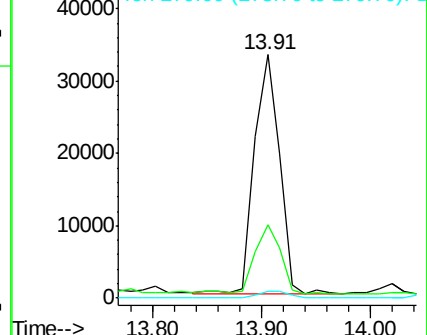
279 2.8 1.9 2.9

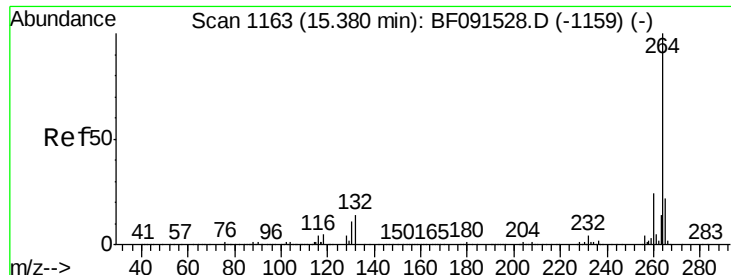


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF091684.D
Acq: 16 Dec 2016 20:32

Instrument :
BNA_F
ClientSampleId :
SB-46(22-24)-12-14-16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	21.6	17.0	25.6

