

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
 Data File : BF091067.D
 Acq On : 7 Nov 2016 20:23
 Operator : UM/SJ
 Sample : H5543-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-113-0.5-1.0

Quant Time: Nov 07 23:58:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	164010	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	584965	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	304390	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	485639	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	401923	20.00	ng	-0.03
86) Perylene-d12	15.22	264	379141	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1184502	119.28	ng	-0.02
7) Phenol-d6	6.33	99	1761234	130.66	ng	-0.02
23) Nitrobenzene-d5	7.24	82	537429	50.12	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	208722	75.85	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	1736951	98.24	ng	-0.02
78) Terphenyl-d14	12.79	244	1408371	87.44	ng	-0.02

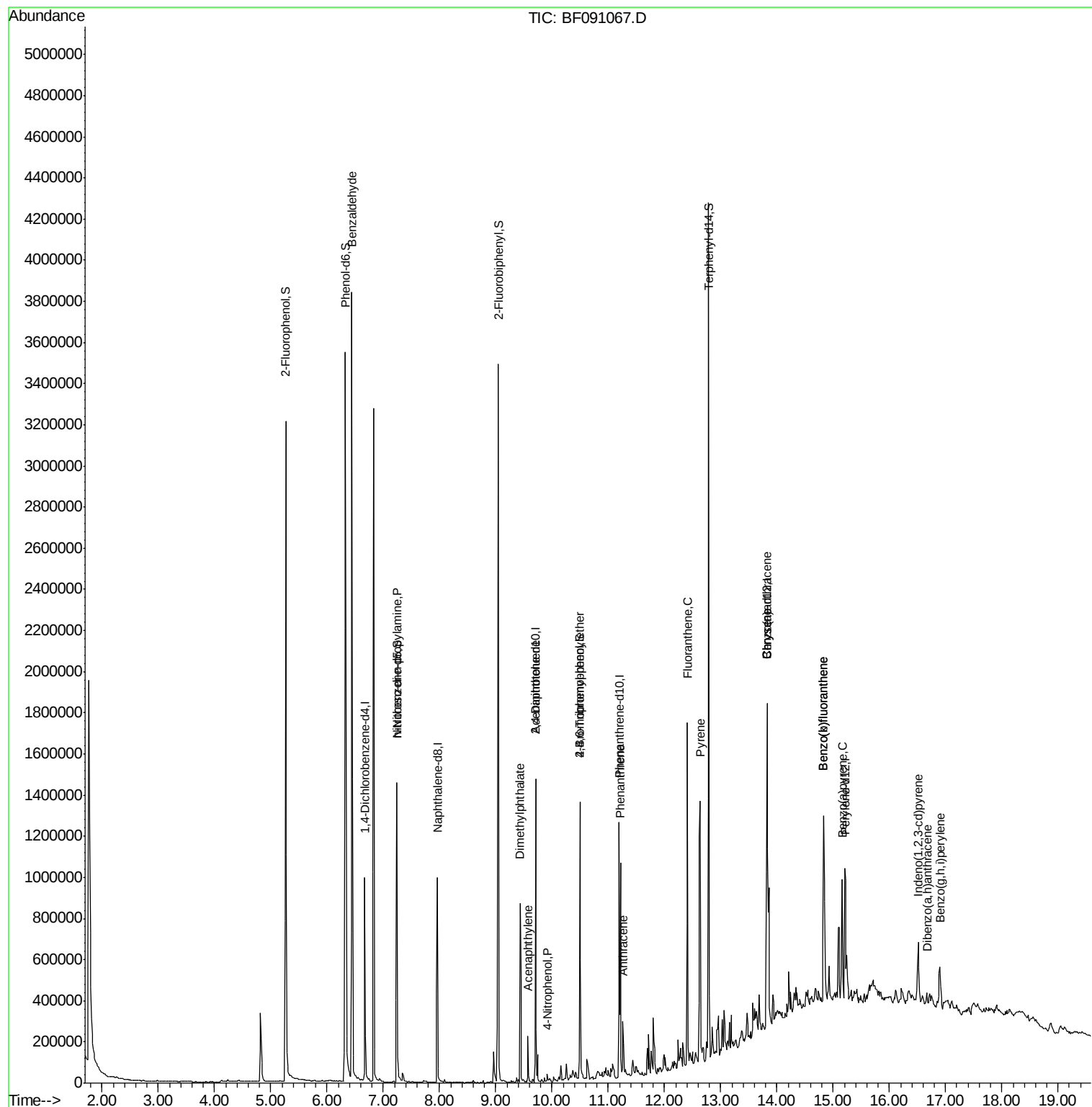
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	27667	3.70	ng	88
19) n-Nitroso-di-n-propylamine	7.24	70	70931	7.59	ng	# 71
48) Acenaphthylene	9.57	152	99648	3.79	ng	98
49) Dimethylphthalate	9.44	163	481419	24.12	ng	100
55) 4-Nitrophenol	9.92	139	4294	6.91	ng	# 1
56) 2,4-Dinitrotoluene	9.71	165	40114	7.37	ng	# 26
66) 4-Bromophenyl-phenylether	10.50	248	12422	2.46	ng	# 1
70) Phenanthrene	11.22	178	415026	16.08	ng	97
71) Anthracene	11.27	178	150266	5.47	ng	97
74) Fluoranthene	12.41	202	772363	28.85	ng	89
77) Pyrene	12.64	202	765411	29.08	ng	96
80) Benzo(a)anthracene	13.83	228	475499	20.84	ng	96
82) Chrysene	13.83	228	475499	21.13	ng	98
85) Indeno(1,2,3-cd)pyrene	16.51	276	174251	9.33	ng	93
87) Benzo(b)fluoranthene	14.83	252	677645	26.35	ng	99
88) Benzo(k)fluoranthene	14.83	252	677645	30.04	ng	# 97
89) Benzo(a)pyrene	15.16	252	377374	16.86	ng	97
90) Dibenzo(a,h)anthracene	16.67	278	40891	2.11	ng	93
91) Benzo(g,h,i)perylene	16.90	276	163008	9.31	ng	# 93

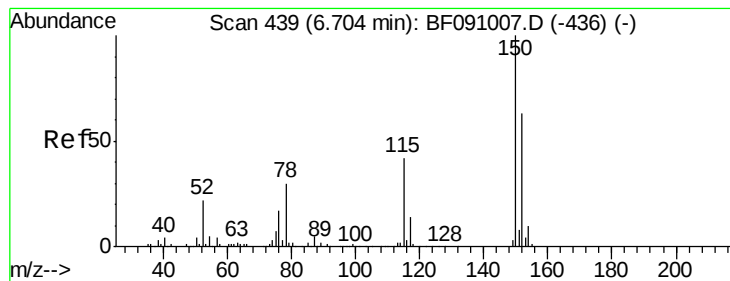
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

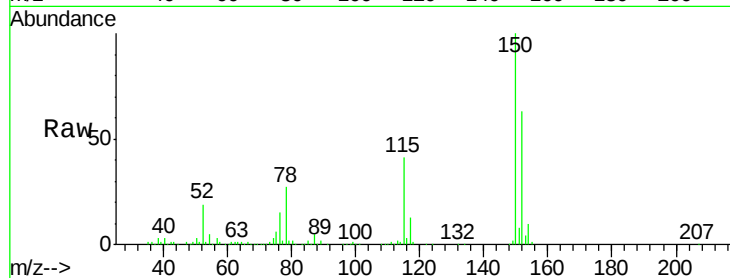
Tgt Ion:152 Resp: 164010

Ion Ratio Lower Upper

152 100

150 157.8 126.8 190.2

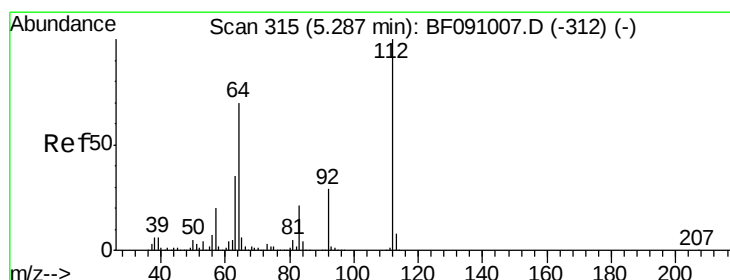
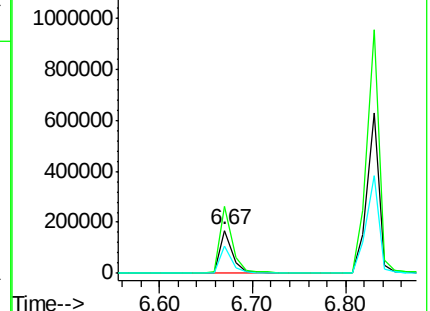
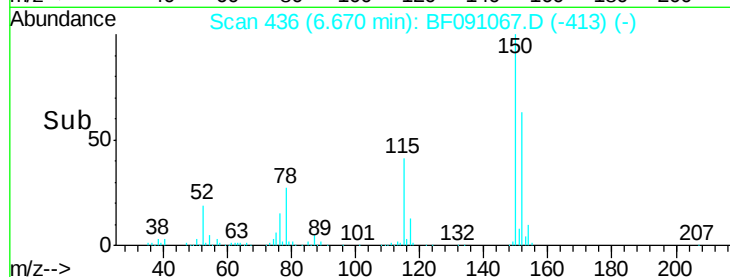
115 65.2 53.3 79.9



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: 119.28 ng

RT: 5.26 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

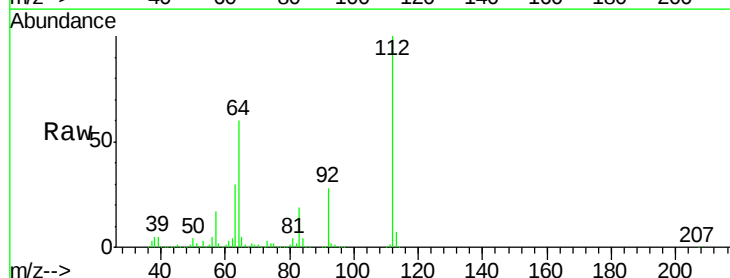
Tgt Ion:112 Resp: 1184502

Ion Ratio Lower Upper

112 100

64 59.5 55.8 83.6

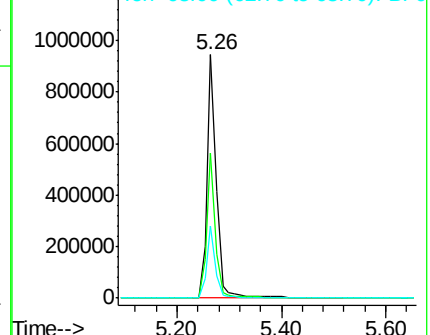
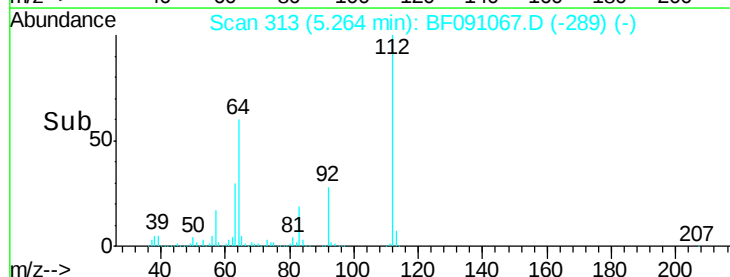
63 29.6 28.0 42.0



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: 130.66 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

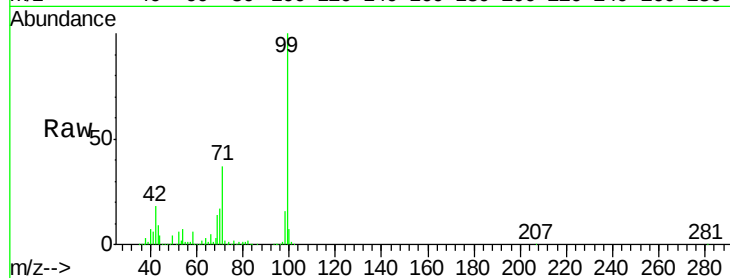
Tgt Ion: 99 Resp: 1761234

Ion Ratio Lower Upper

99 100

42 17.6 13.9 20.9

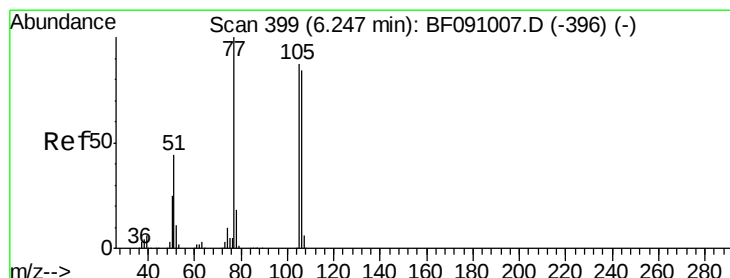
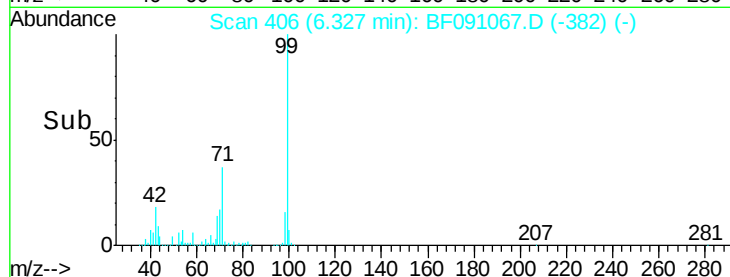
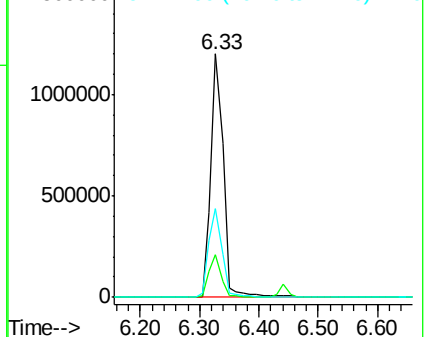
71 36.6 27.8 41.8



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: 3.70 ng

RT: 6.44 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

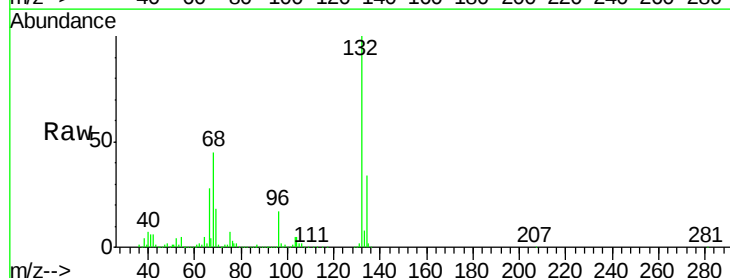
Tgt Ion: 77 Resp: 27667

Ion Ratio Lower Upper

77 100

105 77.9 66.8 106.8

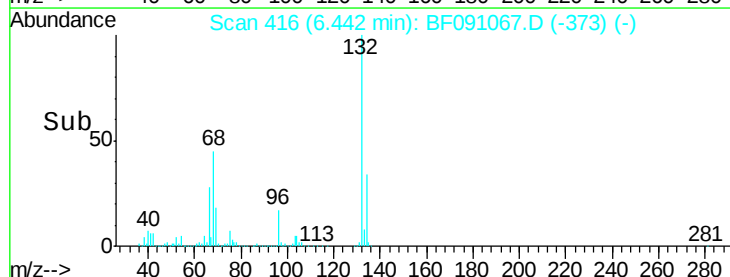
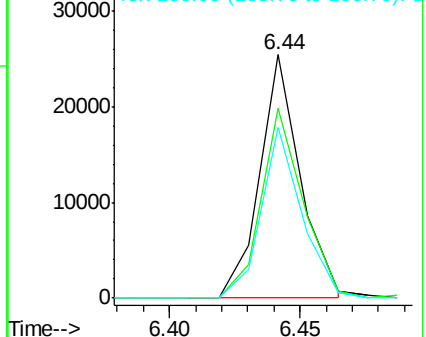
106 70.3 64.0 104.0

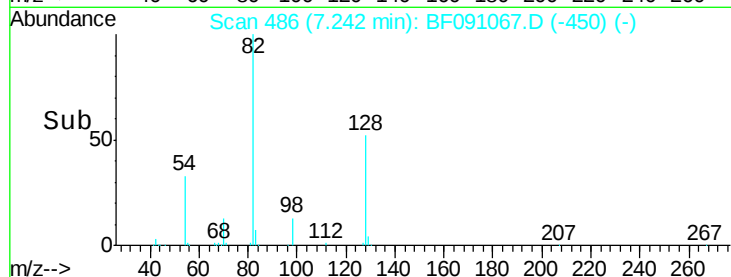
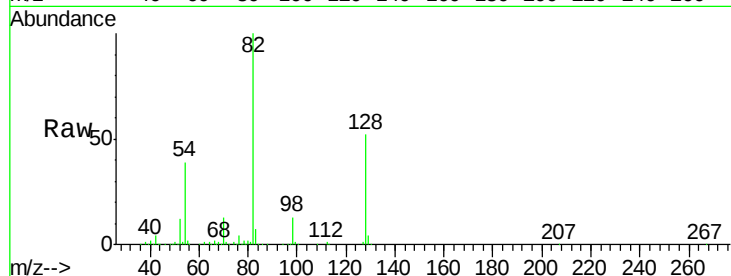
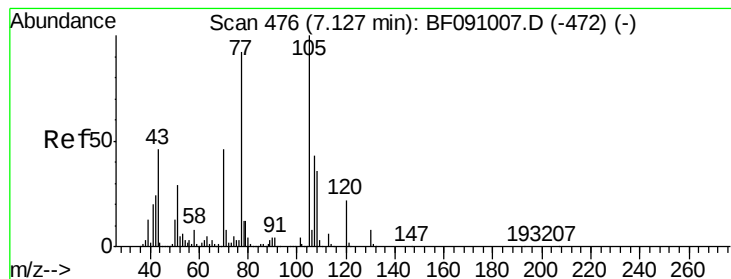


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 7.59 ng

RT: 7.24 min Scan# 486

Delta R.T. 0.11 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

Tgt Ion: 70 Resp: 70931

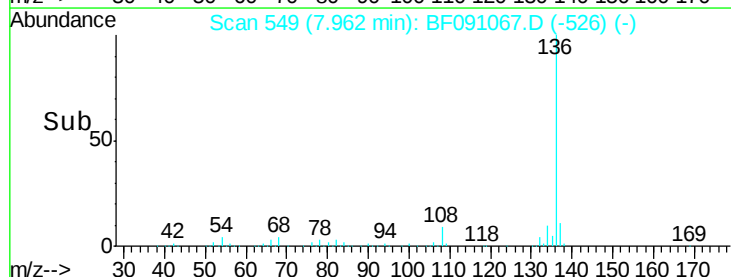
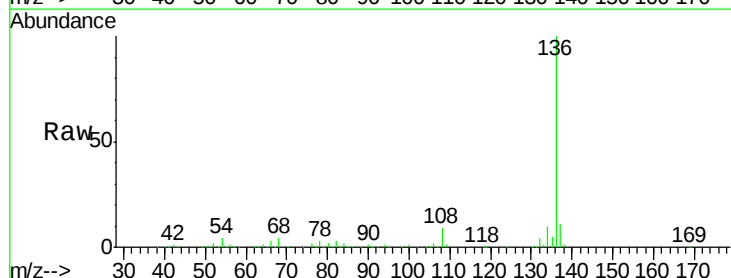
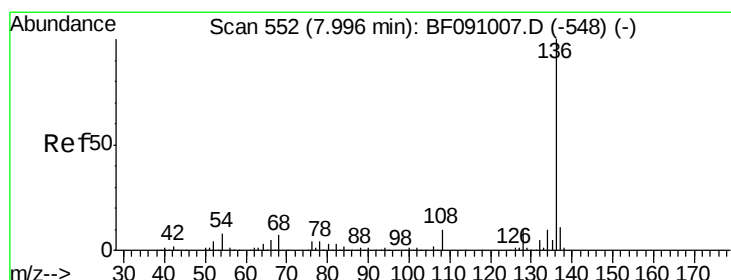
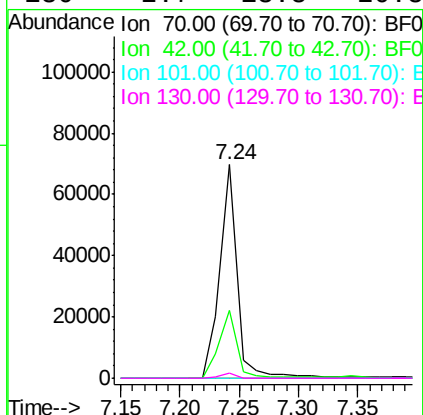
Ion Ratio Lower Upper

70 100

42 31.9 41.7 62.5#

101 0.0 6.7 10.1#

130 2.7 13.8 20.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Tgt Ion: 136 Resp: 584965

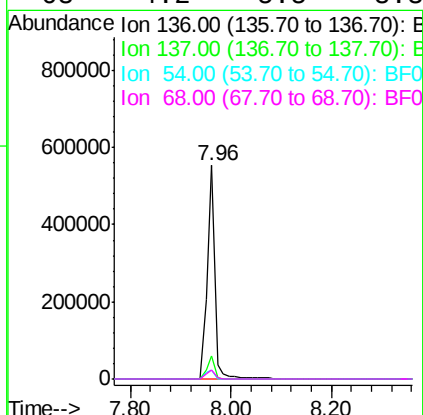
Ion Ratio Lower Upper

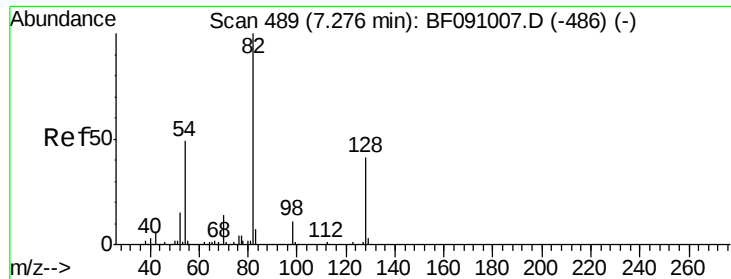
136 100

137 11.1 8.9 13.3

54 4.1 6.2 9.2#

68 4.2 5.5 8.3#

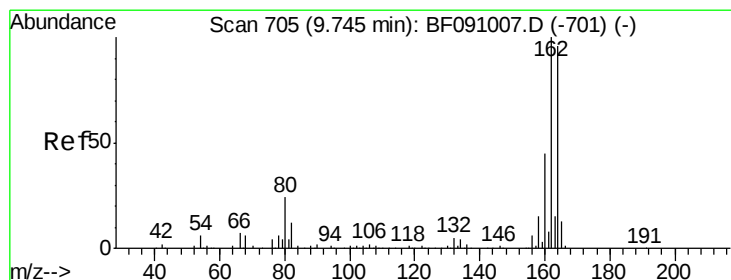
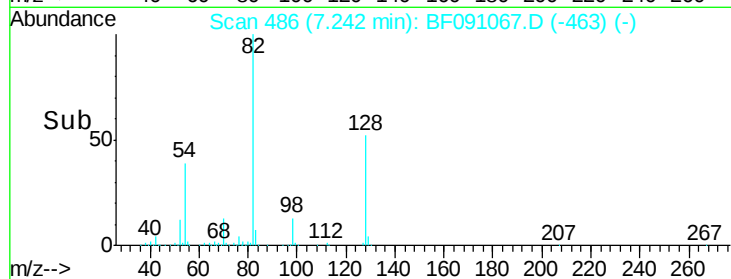
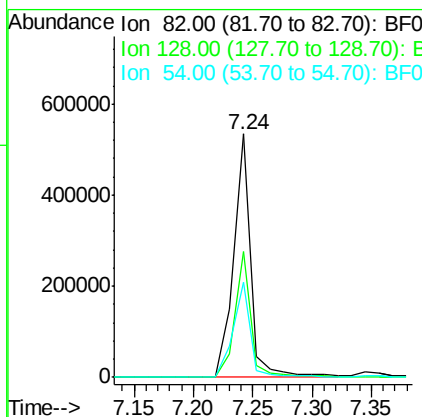
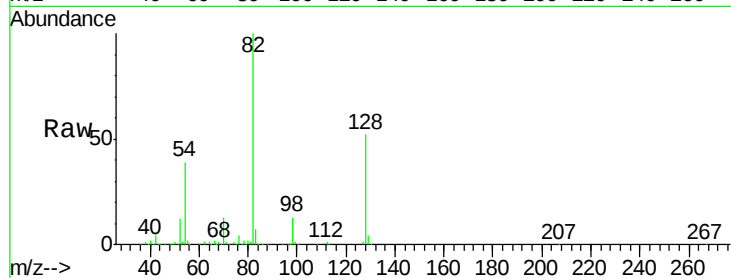




#23
 Nitrobenzene-d5
 Concen: 50.12 ng
 RT: 7.24 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: BF091067.D
 Acq: 7 Nov 2016 20:23

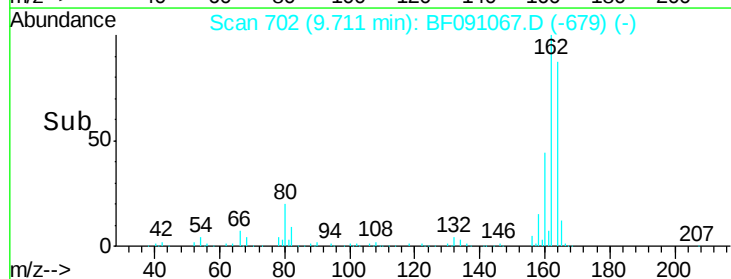
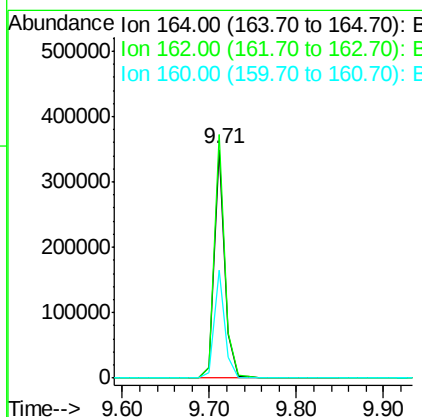
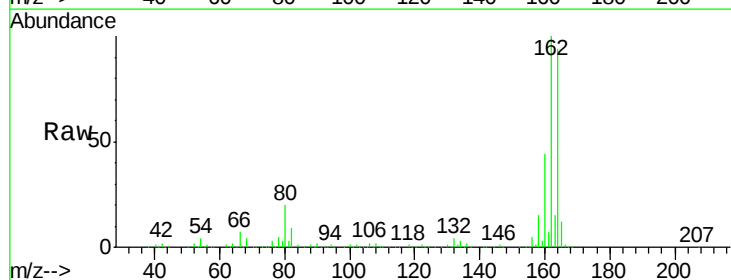
Instrument :
 BNA_F
 ClientSampleId :
 SB-113-0.5-1.0

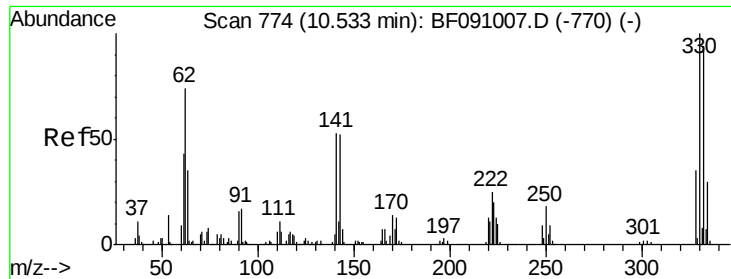
Tgt Ion: 82 Resp: 537429
 Ion Ratio Lower Upper
 82 100
 128 51.8 32.4 48.6#
 54 38.9 39.2 58.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: BF091067.D
 Acq: 7 Nov 2016 20:23

Tgt Ion:164 Resp: 304390
 Ion Ratio Lower Upper
 164 100
 162 106.5 83.6 125.4
 160 46.9 37.9 56.9

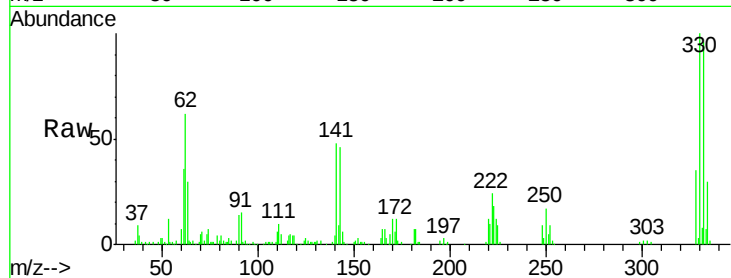




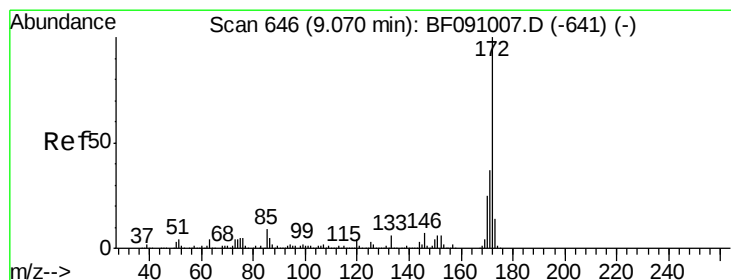
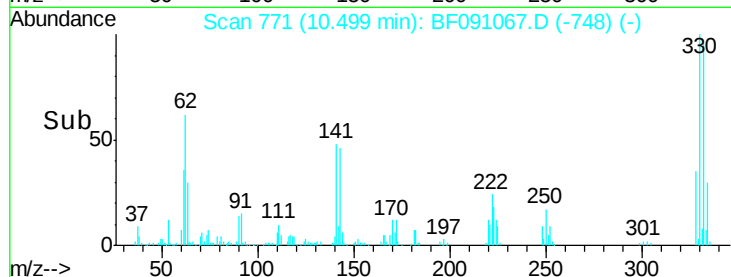
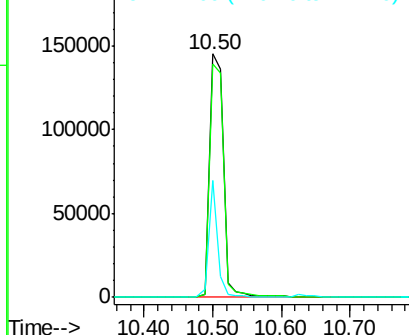
#41
 2,4,6-Tribromophenol
 Concen: 75.85 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091067.D
 Acq: 7 Nov 2016 20:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-113-0.5-1.0

Tgt Ion:330 Resp: 208722
 Ion Ratio Lower Upper
 330 100
 332 97.5 75.9 113.9
 141 31.1 36.1 54.1#

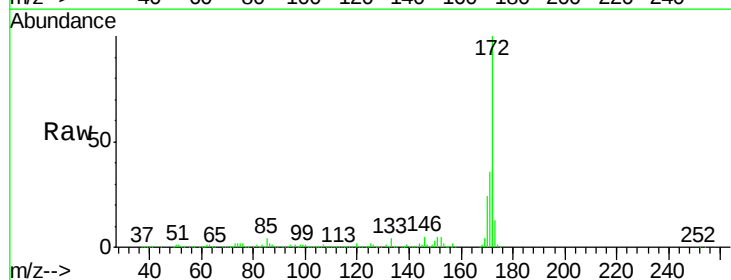


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

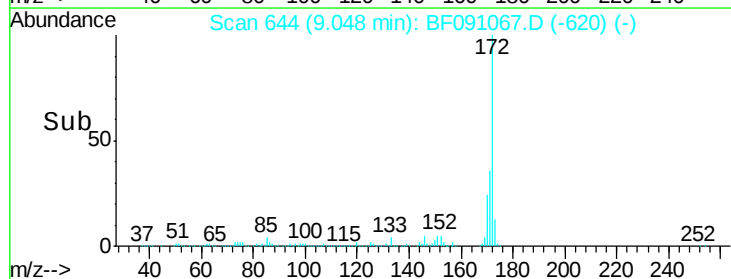
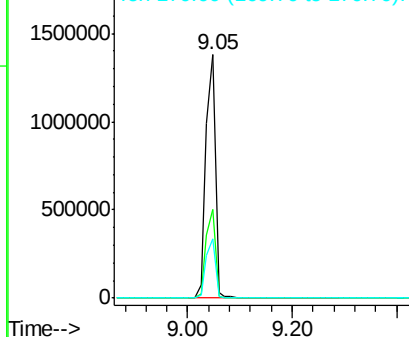


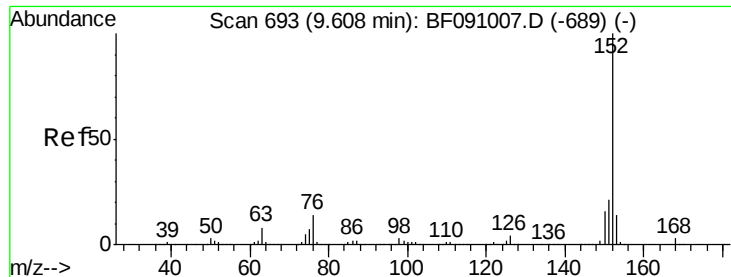
#44
 2-Fluorobiphenyl
 Concen: 98.24 ng
 RT: 9.05 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF091067.D
 Acq: 7 Nov 2016 20:23

Tgt Ion:172 Resp: 1736951
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.8 44.6
 170 24.5 20.3 30.5



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





#48

Acenaphthylene

Concen: 3.79 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

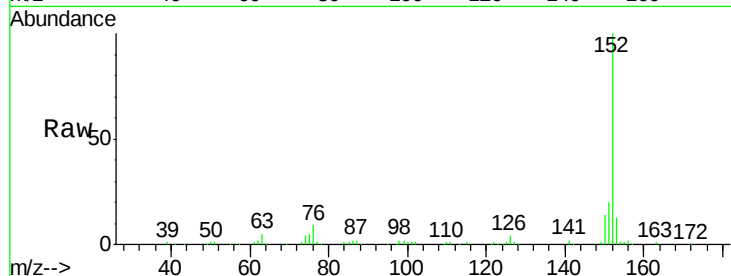
Tgt Ion:152 Resp: 99648

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

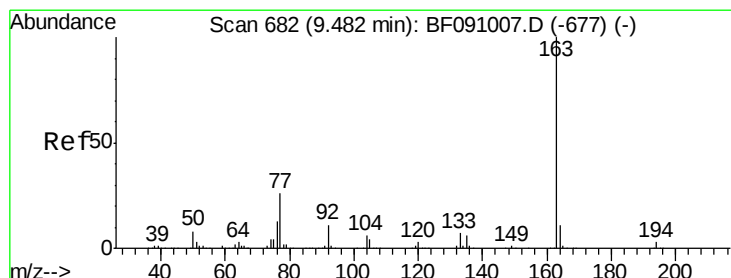
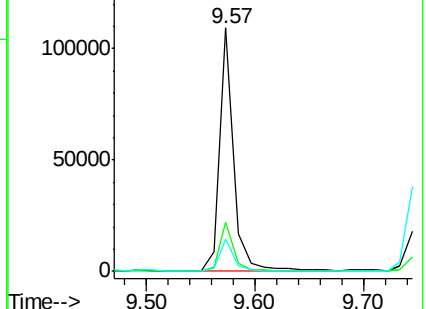
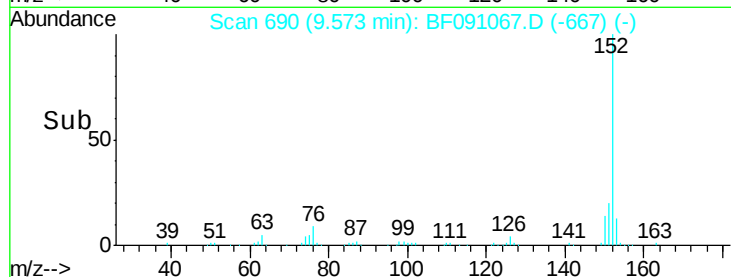
153 13.3 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 24.12 ng

RT: 9.44 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

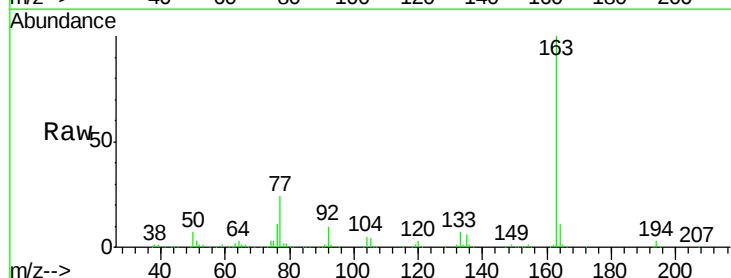
Tgt Ion:163 Resp: 481419

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

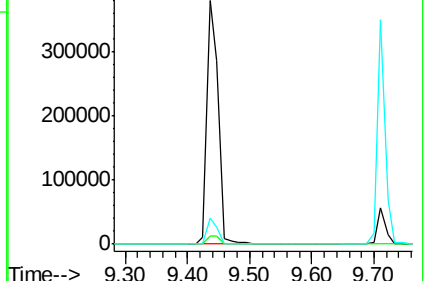
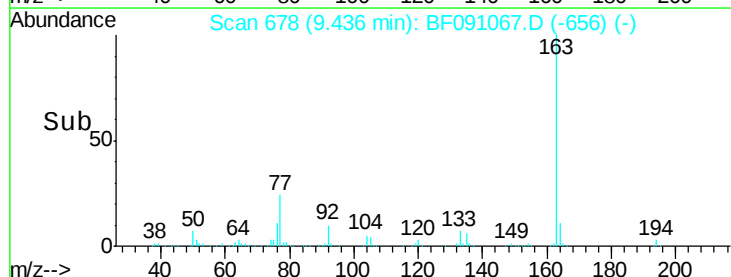
164 10.9 8.7 13.1

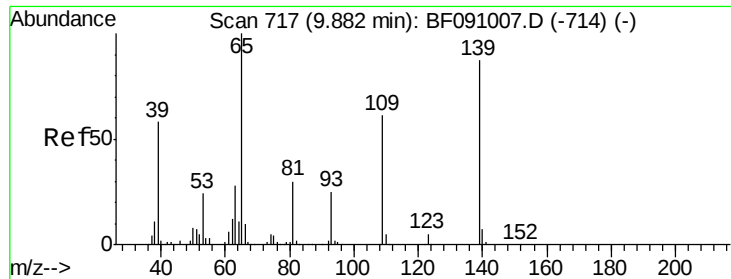


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

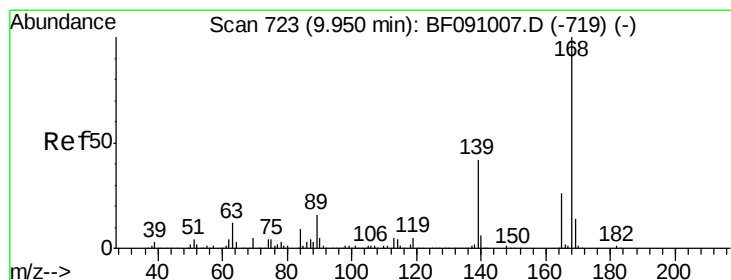
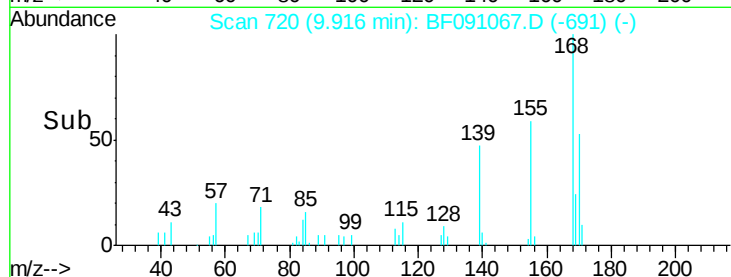
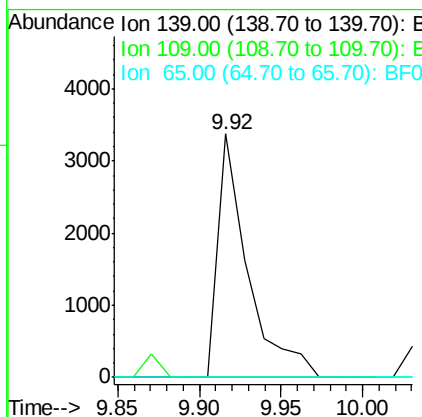
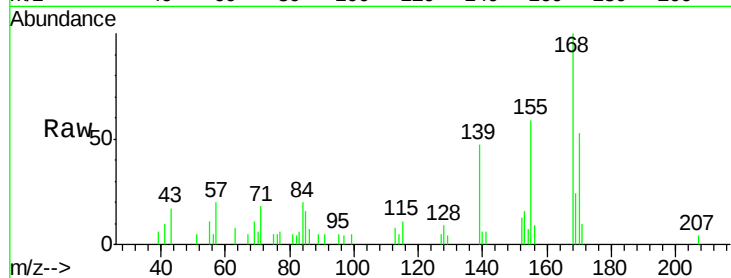




#55
4-Nitrophenol
Concen: 6.91 ng
RT: 9.92 min Scan# 720
Delta R.T. 0.04 min
Lab File: BF091067.D
Acq: 7 Nov 2016 20:23

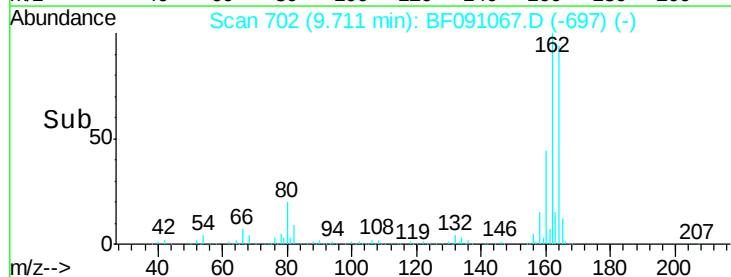
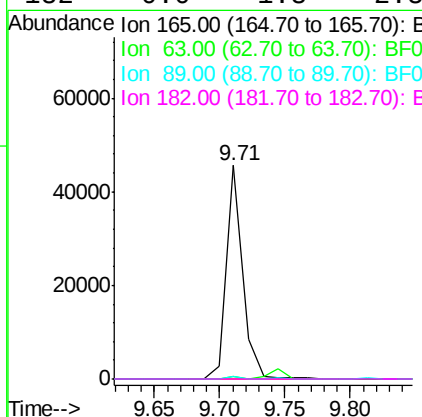
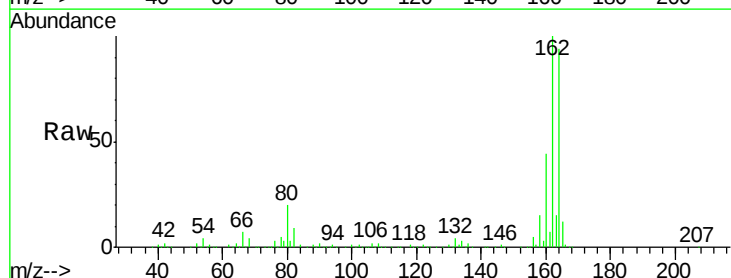
Instrument :
BNA_F
ClientSampleId :
SB-113-0.5-1.0

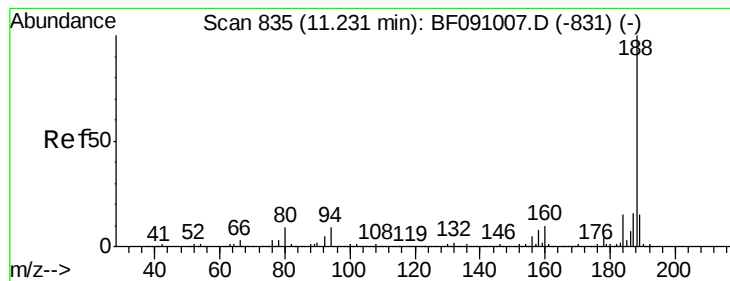
Tgt Ion:139 Resp: 4294
Ion Ratio Lower Upper
139 100
109 0.0 50.5 90.5#
65 0.0 97.1 137.1#



#56
2,4-Dinitrotoluene
Concen: 7.37 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.24 min
Lab File: BF091067.D
Acq: 7 Nov 2016 20:23

Tgt Ion:165 Resp: 40114
Ion Ratio Lower Upper
165 100
63 1.0 38.7 58.1#
89 1.0 50.6 76.0#
182 0.0 1.8 2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 832

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

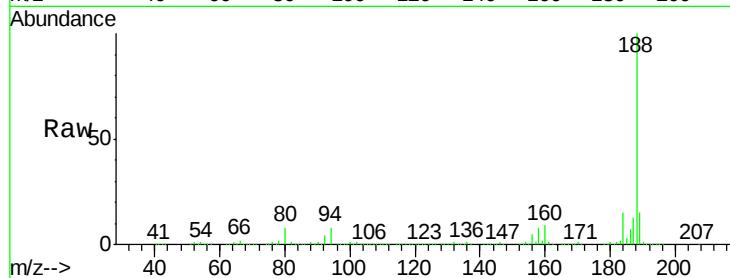
Tgt Ion:188 Resp: 485639

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.4

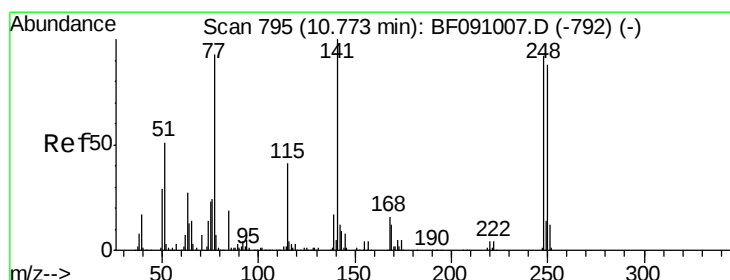
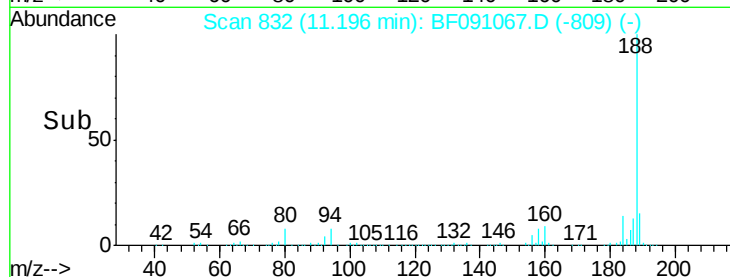
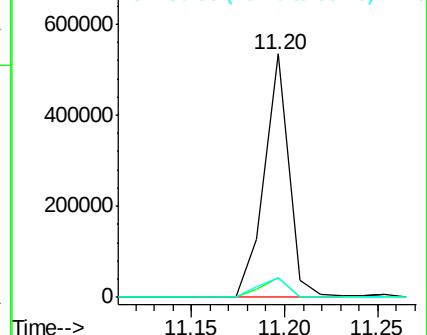
80 8.3 7.5 11.3



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: 2.46 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

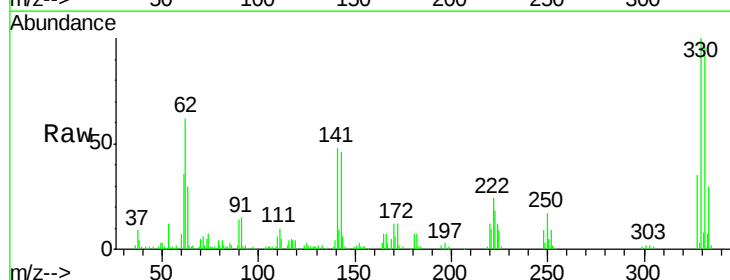
Tgt Ion:248 Resp: 12422

Ion Ratio Lower Upper

248 100

250 192.7 76.3 114.5#

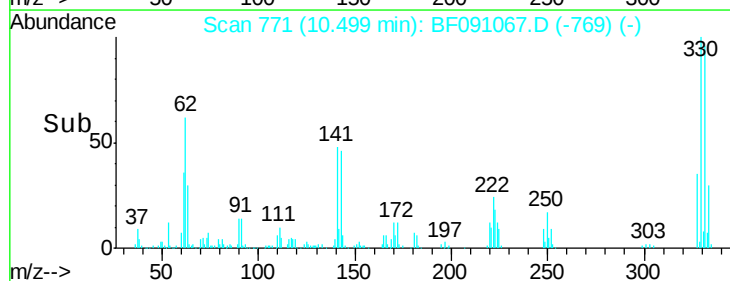
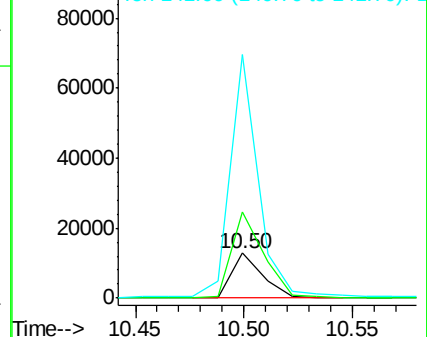
141 540.5 86.8 130.2#

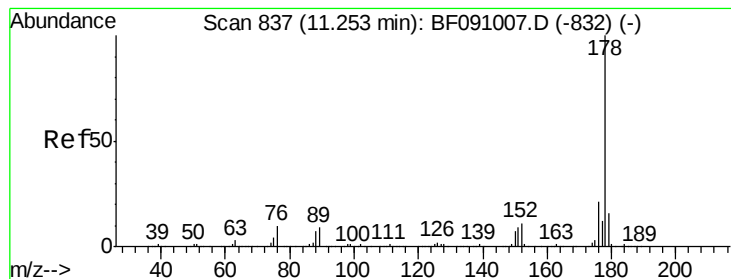


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 16.08 ng

RT: 11.22 min Scan# 834

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

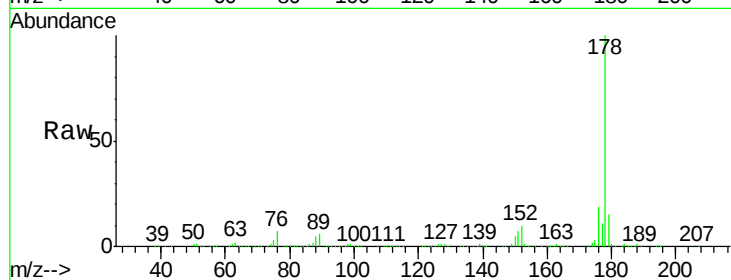
Tgt Ion:178 Resp: 415026

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

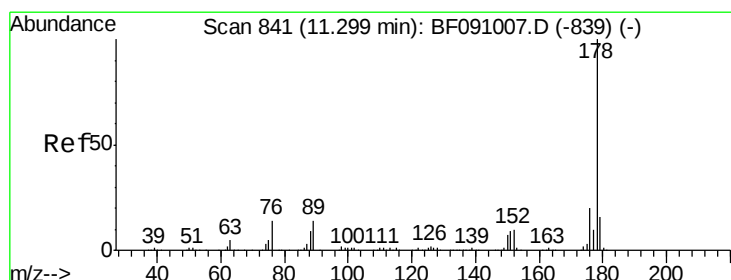
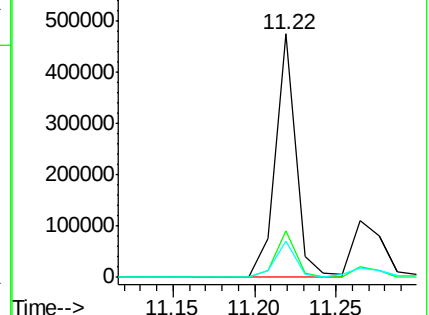
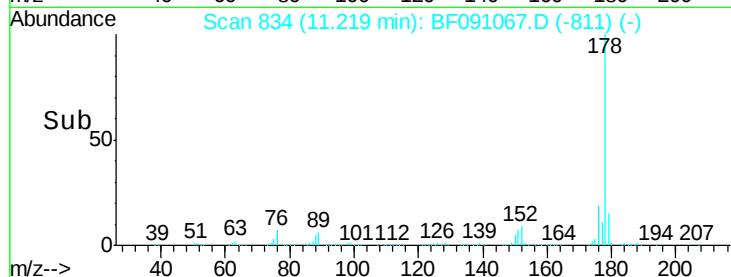
179 15.0 12.9 19.3



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: 5.47 ng

RT: 11.27 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

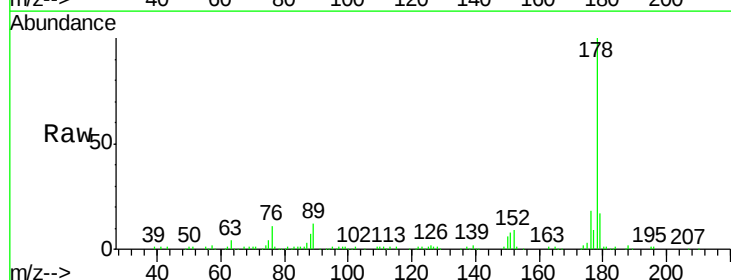
Tgt Ion:178 Resp: 150266

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

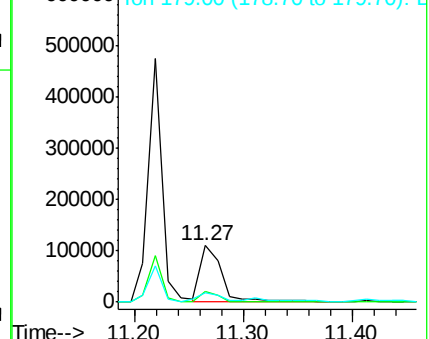
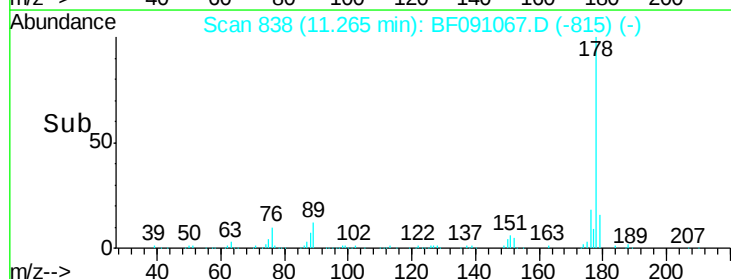
179 16.7 13.0 19.6

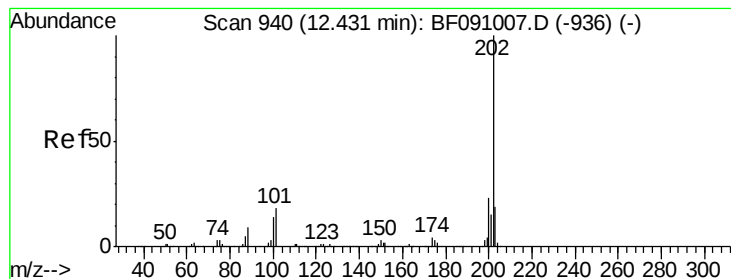


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 28.85 ng

RT: 12.41 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

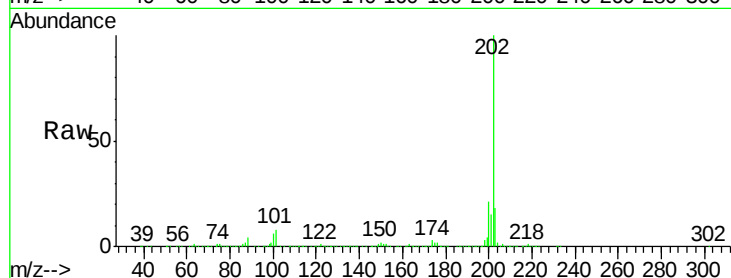
Tgt Ion:202 Resp: 772363

Ion Ratio Lower Upper

202 100

101 8.3 0.0 37.6

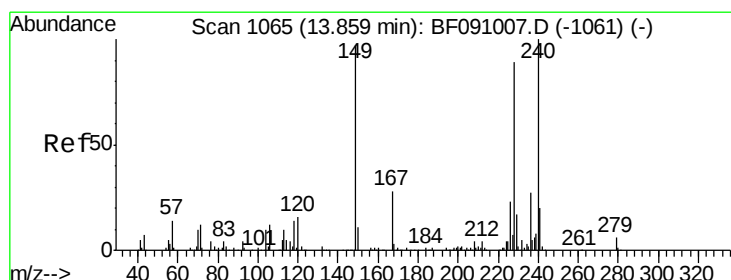
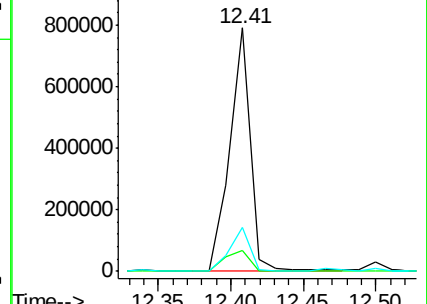
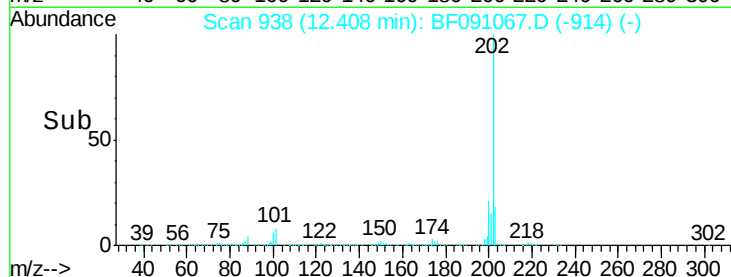
203 18.1 0.0 38.6



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: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

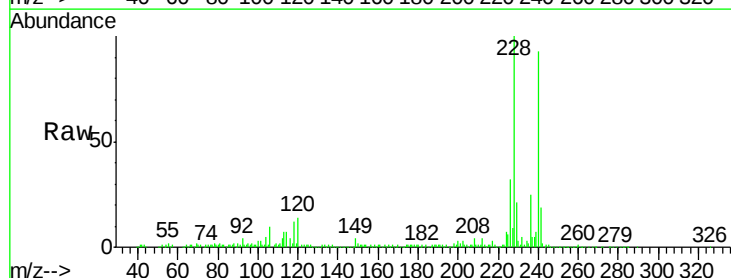
Tgt Ion:240 Resp: 401923

Ion Ratio Lower Upper

240 100

120 14.8 12.9 19.3

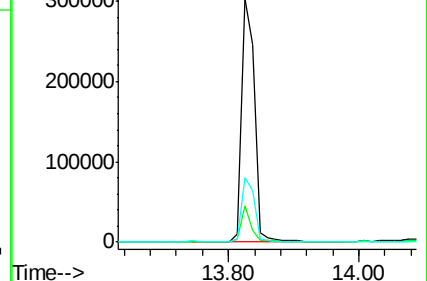
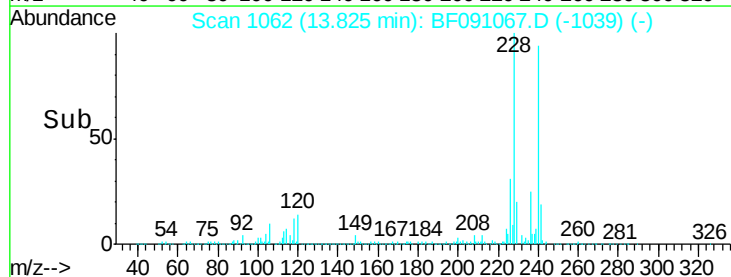
236 26.6 21.9 32.9

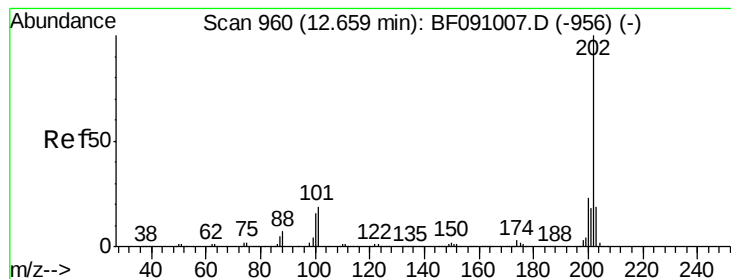


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 29.08 ng

RT: 12.64 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

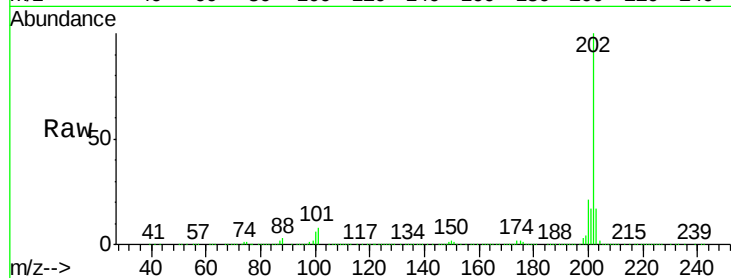
Tgt Ion:202 Resp: 765411

Ion Ratio Lower Upper

202 100

200 20.9 18.4 27.6

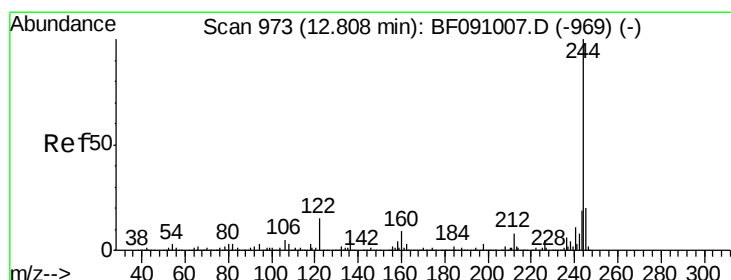
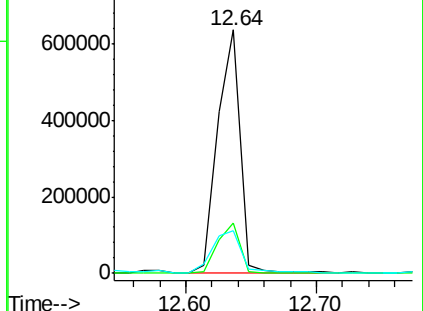
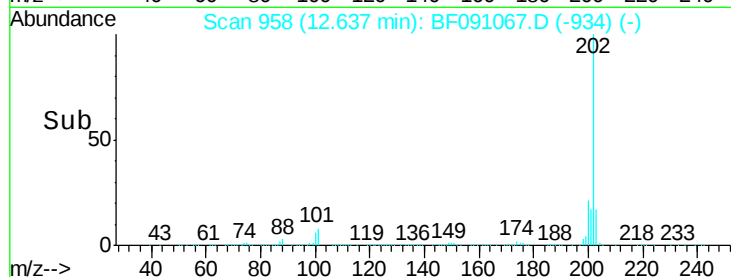
203 17.5 15.0 22.6



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: 87.44 ng

RT: 12.79 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

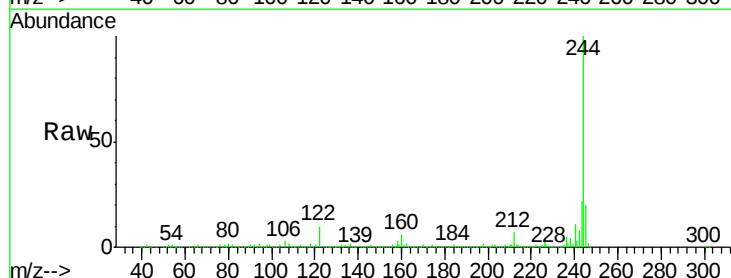
Tgt Ion:244 Resp: 1408371

Ion Ratio Lower Upper

244 100

212 6.7 6.4 9.6

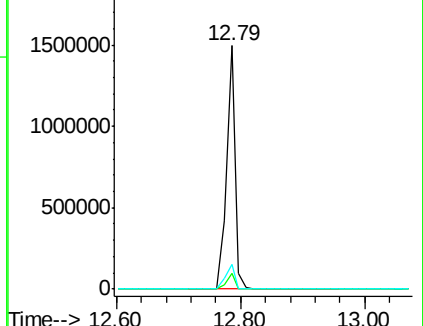
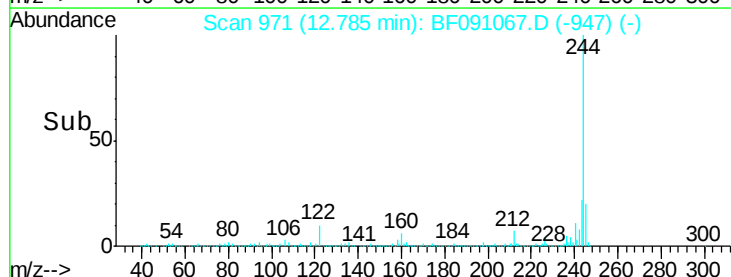
122 10.1 12.3 18.5#

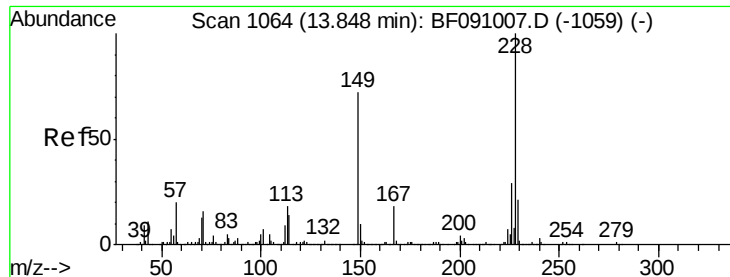


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.84 ng

RT: 13.83 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

Instrument :

BNA_F

ClientSampleId :

SB-113-0.5-1.0

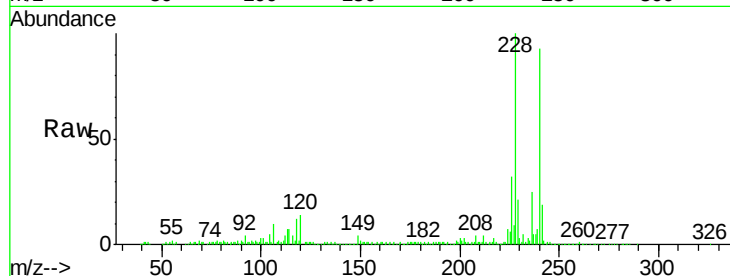
Tgt Ion:228 Resp: 475499

Ion Ratio Lower Upper

228 100

226 32.0 23.0 34.6

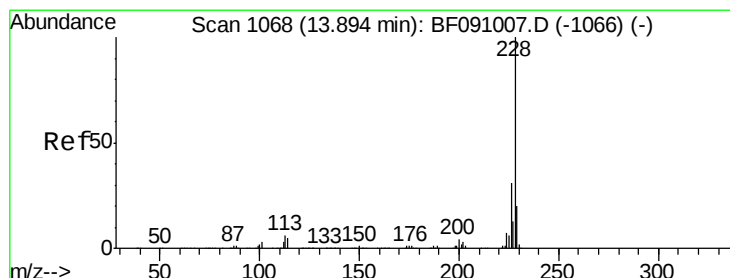
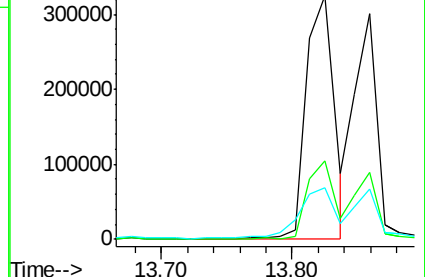
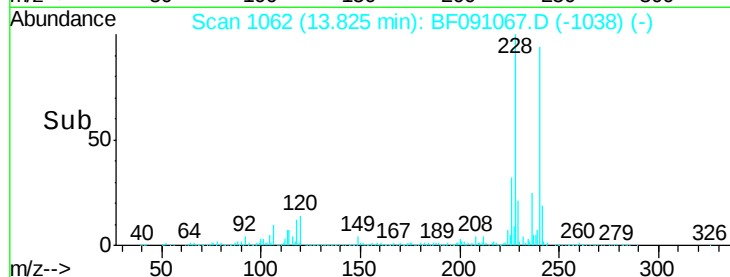
229 21.1 16.6 24.8



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: 21.13 ng

RT: 13.83 min Scan# 1062

Delta R.T. -0.07 min

Lab File: BF091067.D

Acq: 7 Nov 2016 20:23

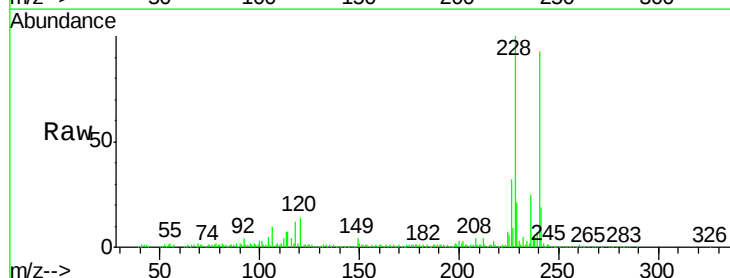
Tgt Ion:228 Resp: 475499

Ion Ratio Lower Upper

228 100

226 32.0 24.9 37.3

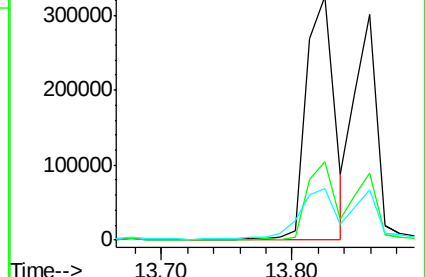
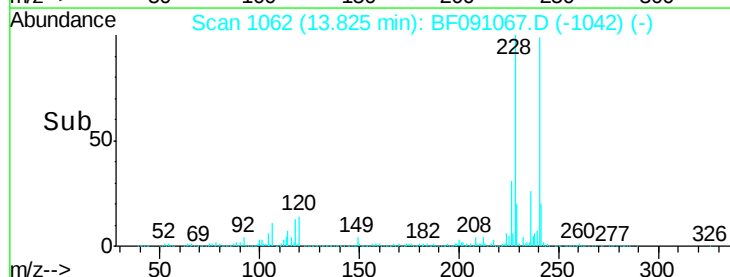
229 21.1 15.9 23.9

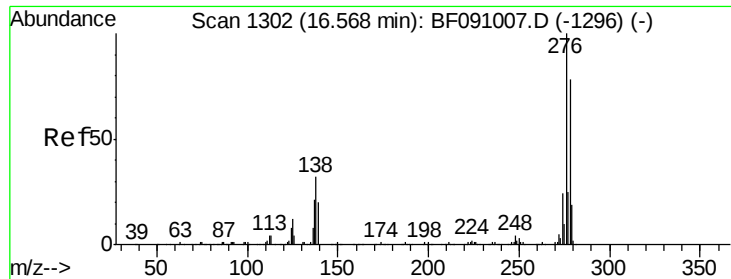


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

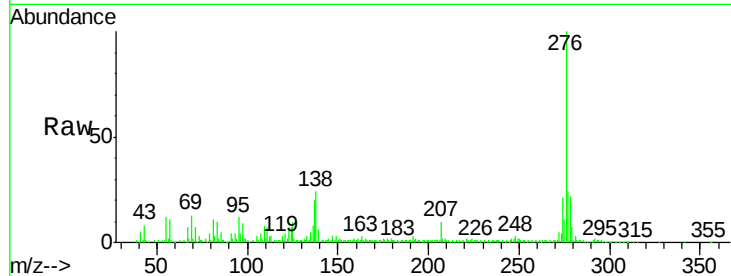




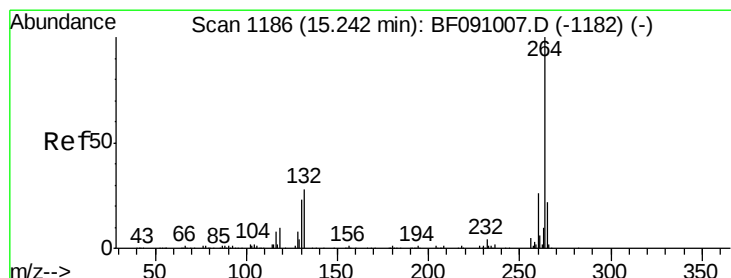
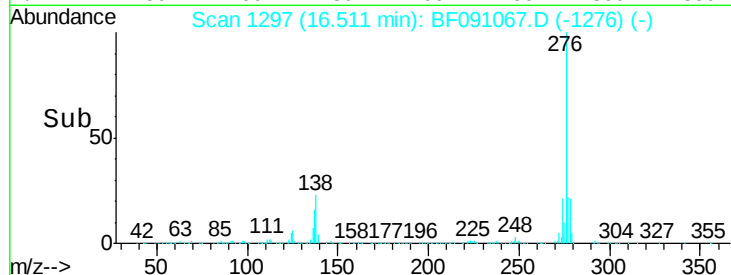
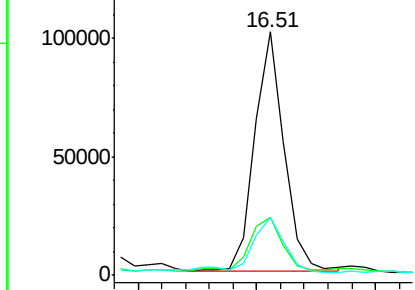
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.33 ng
 RT: 16.51 min Scan# 1297
 Delta R.T. -0.06 min
 Lab File: BF091067.D
 Acq: 7 Nov 2016 20:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-113-0.5-1.0

Tgt Ion: 276 Resp: 174251
 Ion Ratio Lower Upper
 276 100
 138 26.9 26.0 39.0
 277 26.6 20.1 30.1

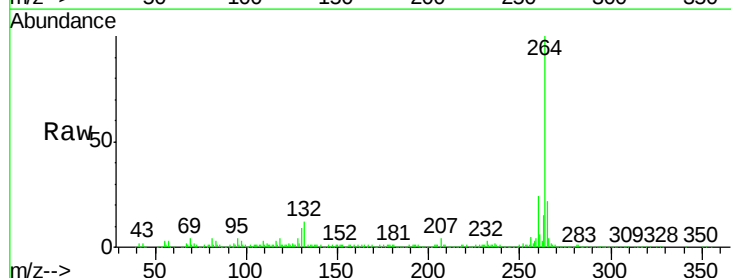


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF091067.D
 Acq: 7 Nov 2016 20:23

Tgt Ion: 264 Resp: 379141
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.6 30.8
 265 22.3 17.8 26.8



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

