

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091292.D
 Acq On : 23 Nov 2016 23:15
 Operator : UM/SJ
 Sample : H5740-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

Quant Time: Nov 24 00:02:41 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	220807	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	920718	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	456261	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	696170	20.00	ng	0.00
75) Chrysene-d12	14.03	240	508950	20.00	ng	-0.01
86) Perylene-d12	15.47	264	491008	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1858140	135.21	ng	0.02
7) Phenol-d6	6.51	99	2152246	121.89	ng	0.01
23) Nitrobenzene-d5	7.45	82	1565441	97.88	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	538470	117.03	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	2195985	78.81	ng	0.00
78) Terphenyl-d14	12.99	244	1441165	64.67	ng	0.00

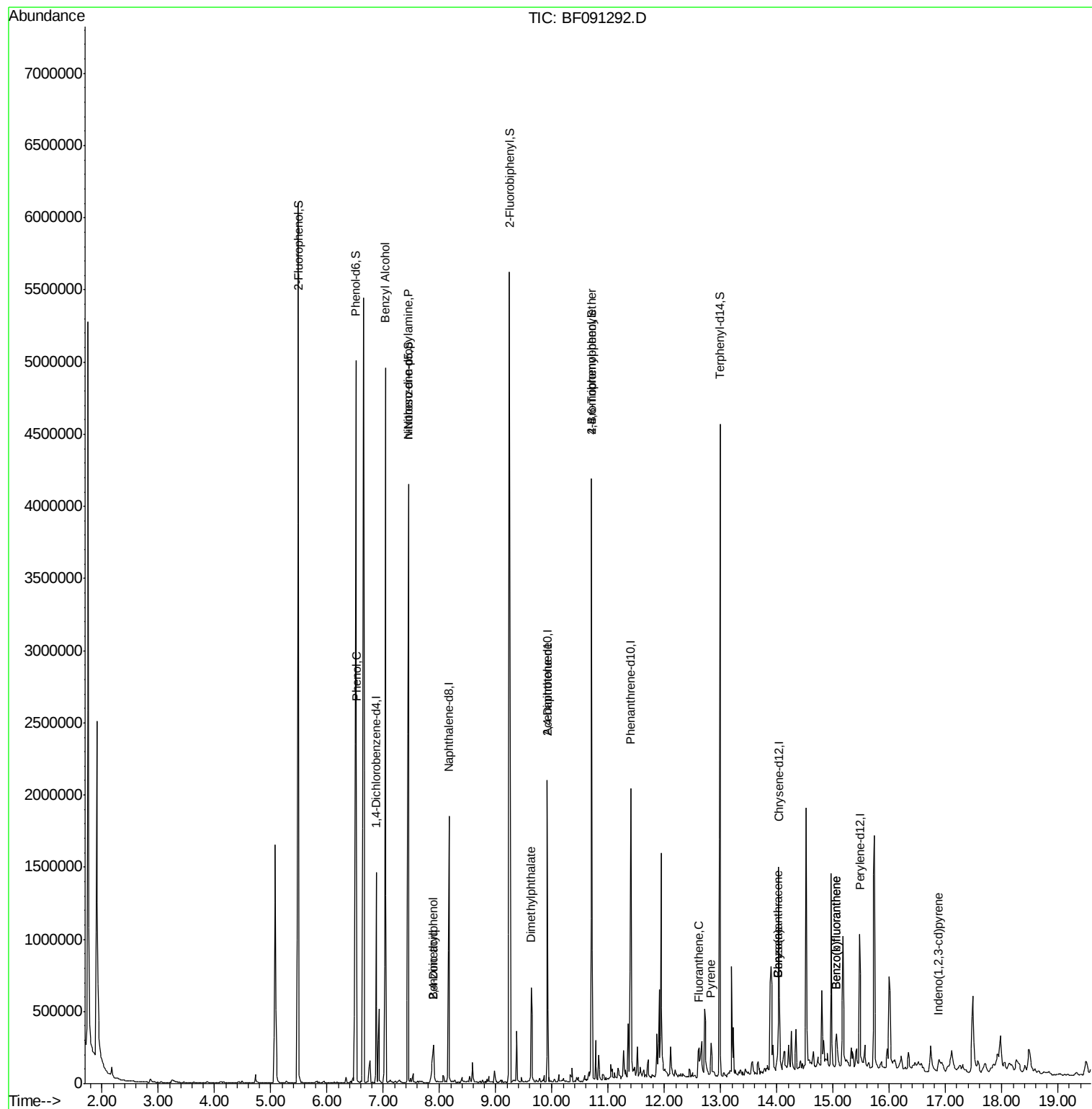
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	1852	Below Cal		88
10) Phenol	6.52	94	127815	6.49 ng		83
15) Benzyl Alcohol	7.04	79	33864	2.47 ng	#	49
19) n-Nitroso-di-n-propylamine	7.45	70	217054	19.60 ng	#	72
27) 2,4-Dimethylphenol	7.89	122	95222	6.68 ng	#	2
32) Benzoic acid	7.89	122	95222	8.49 ng		96
49) Dimethylphthalate	9.63	163	323931	11.37 ng		96
56) 2,4-Dinitrotoluene	9.92	165	59545	7.56 ng	#	33
66) 4-Bromophenyl-phenylether	10.70	248	31315	4.12 ng	#	1
74) Fluoranthene	12.61	202	117237	3.19 ng		95
77) Pyrene	12.83	202	109263	2.91 ng		97
80) Benzo(a)anthracene	14.02	228	80307	2.78 ng		97
82) Chrysene	14.02	228	80307	2.94 ng		97
85) Indeno(1,2,3-cd)pyrene	16.88	276	48823	2.08 ng		94
87) Benzo(b)fluoranthene	15.06	252	158416	5.11 ng		99
88) Benzo(k)fluoranthene	15.06	252	158416	6.26 ng	#	97

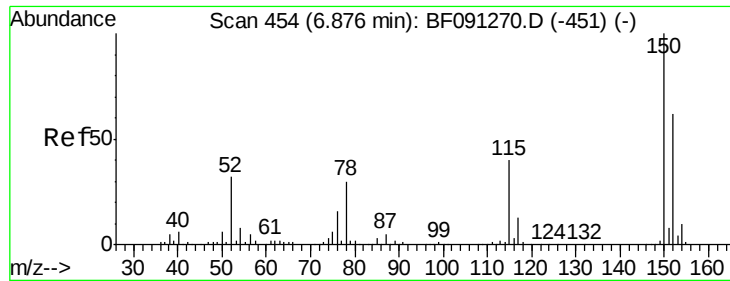
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091292.D
Acq On : 23 Nov 2016 23:15
Operator : UM/SJ
Sample : H5740-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Quant Time: Nov 24 00:02:41 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

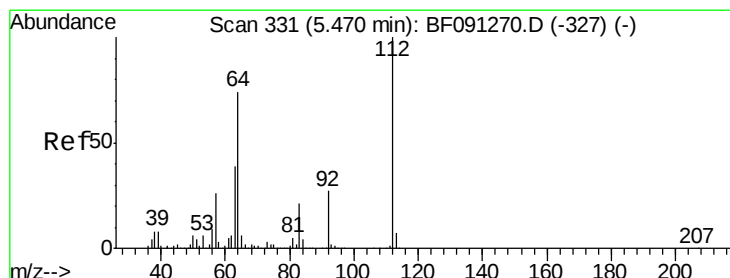
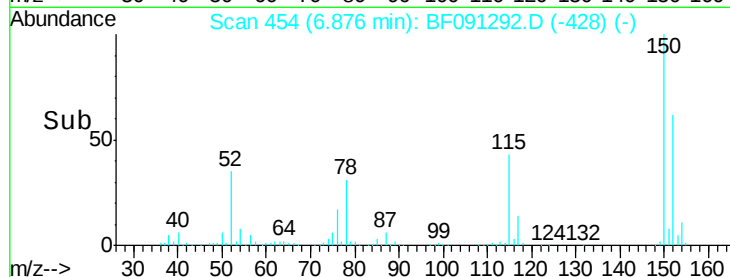
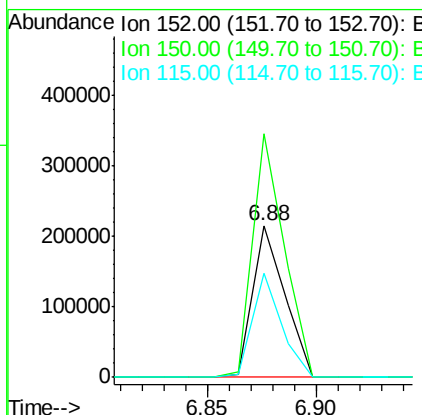
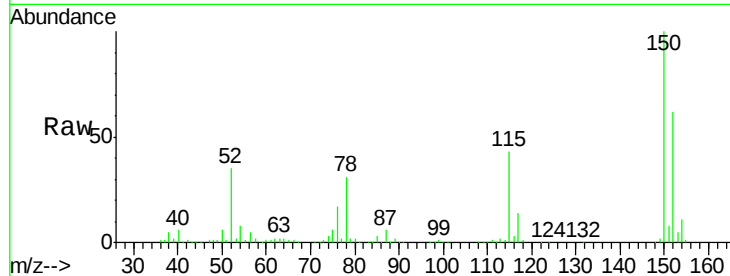




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

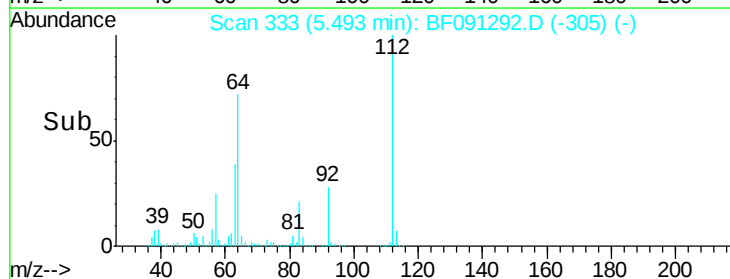
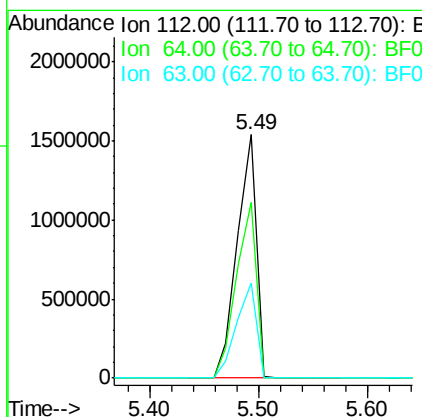
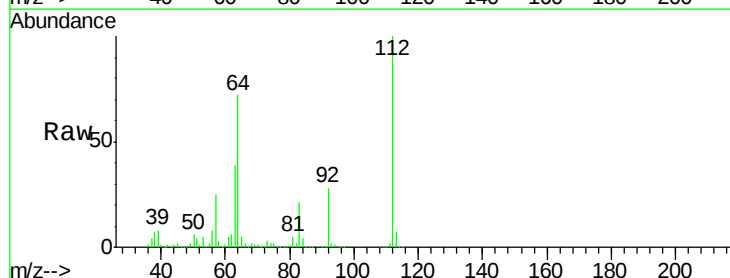
Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

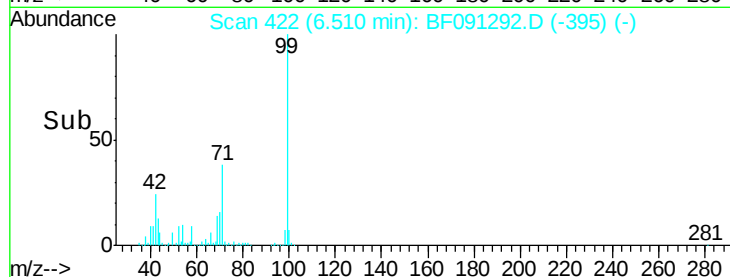
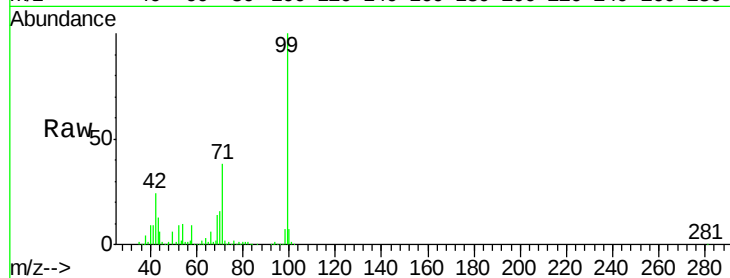
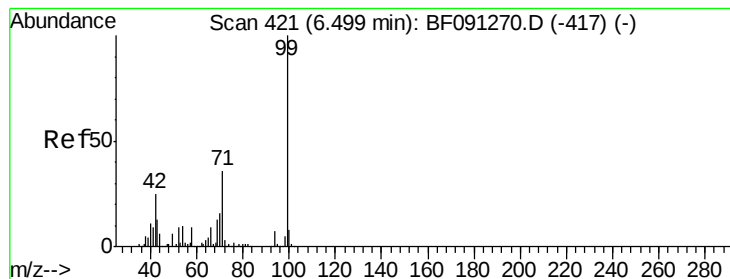
Tgt Ion:152 Resp: 220807
 Ion Ratio Lower Upper
 152 100
 150 160.6 122.5 183.7
 115 68.3 51.8 77.8



#5
 2-Fluorophenol
 Concen: 135.21 ng
 RT: 5.49 min Scan# 333
 Delta R.T. 0.02 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

Tgt Ion:112 Resp: 1858140
 Ion Ratio Lower Upper
 112 100
 64 72.3 61.5 92.3
 63 38.9 33.3 49.9





#7

Phenol-d6

Concen: 121.89 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

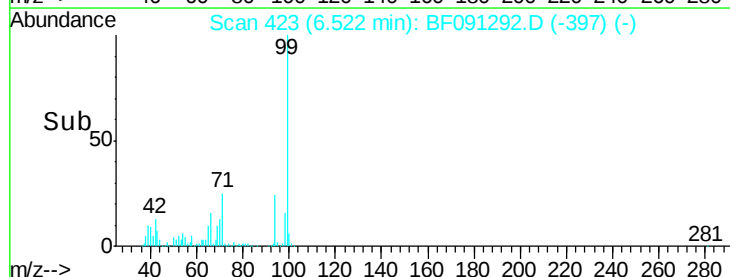
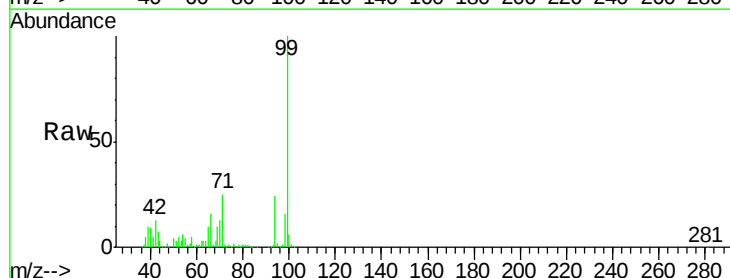
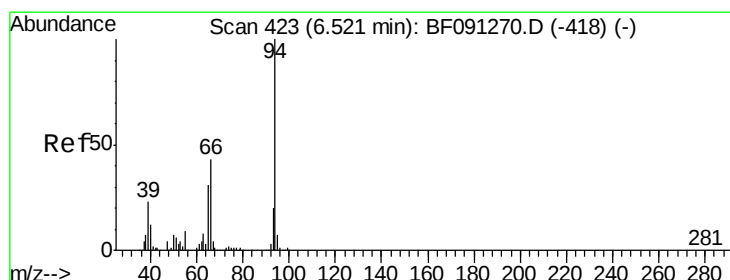
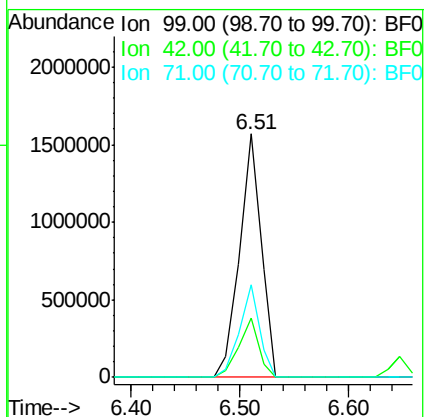
Tgt Ion: 99 Resp: 2152246

Ion Ratio Lower Upper

99 100

42 24.1 20.6 31.0

71 37.9 29.9 44.9



#10

Phenol

Concen: 6.49 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

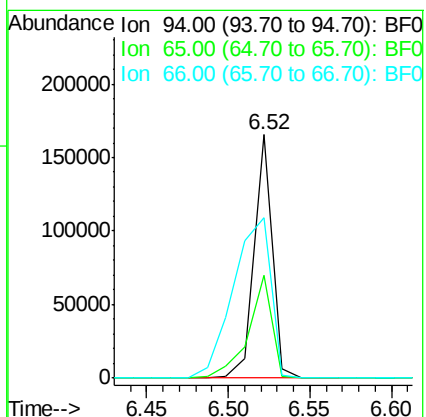
Tgt Ion: 94 Resp: 127815

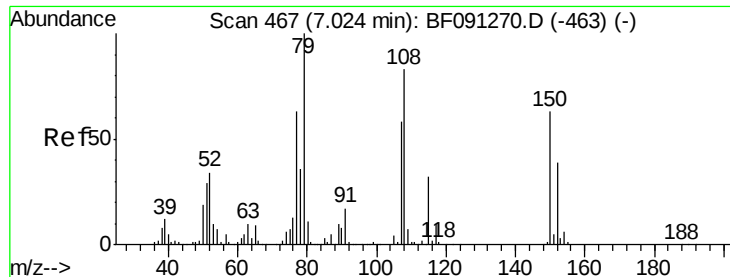
Ion Ratio Lower Upper

94 100

65 42.1 16.9 56.9

66 65.9 30.6 70.6





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 7.04 min Scan# 468

Delta R.T. 0.01 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

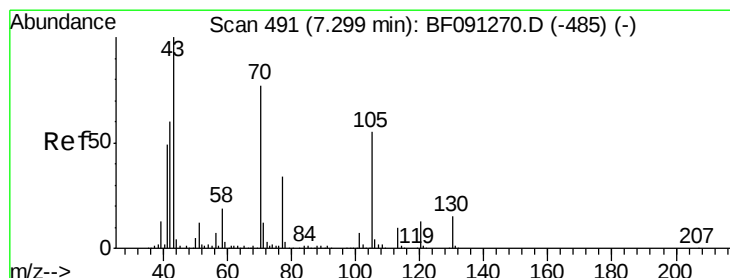
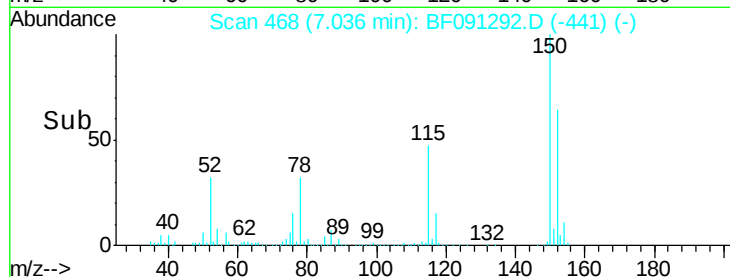
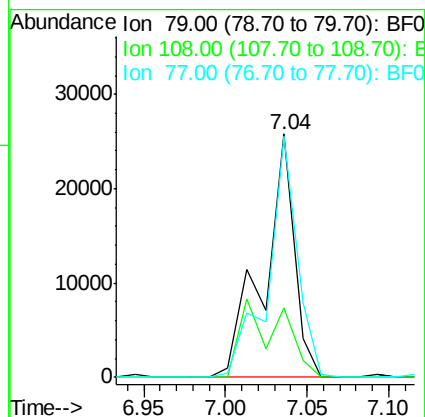
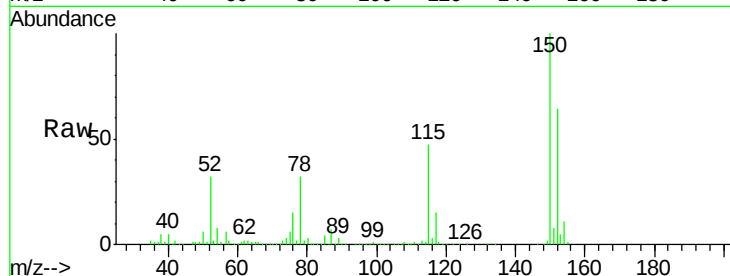
Tgt Ion: 79 Resp: 33864

Ion Ratio Lower Upper

79 100

108 28.7 62.7 94.1#

77 99.0 51.7 77.5#



#19

n-Nitroso-di-n-propylamine

Concen: 19.60 ng

RT: 7.45 min Scan# 504

Delta R.T. 0.15 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Tgt Ion: 70 Resp: 217054

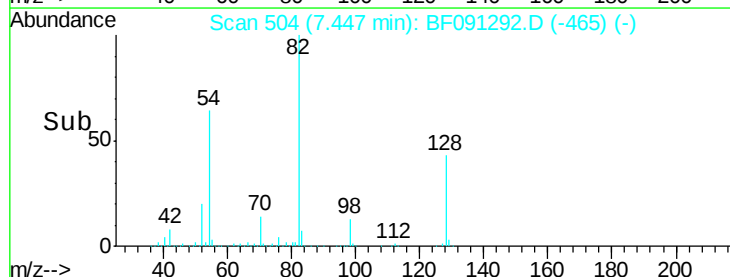
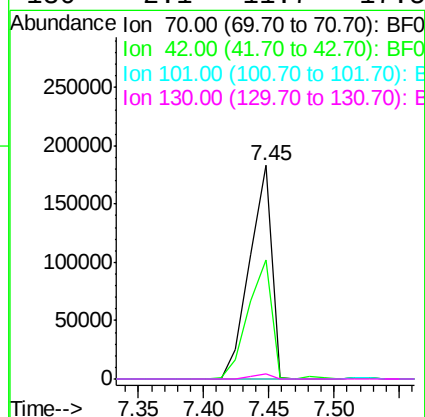
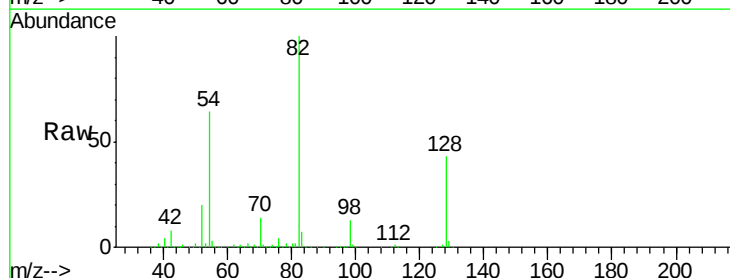
Ion Ratio Lower Upper

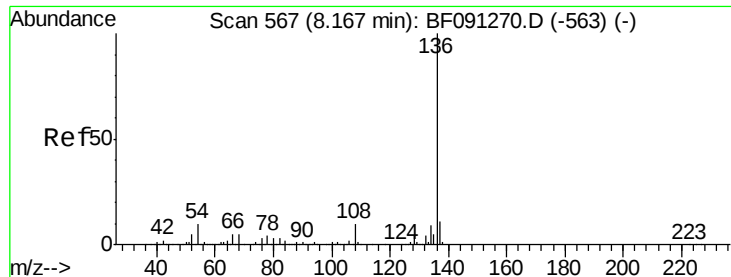
70 100

42 55.6 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: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

Tgt Ion:136 Resp: 920718

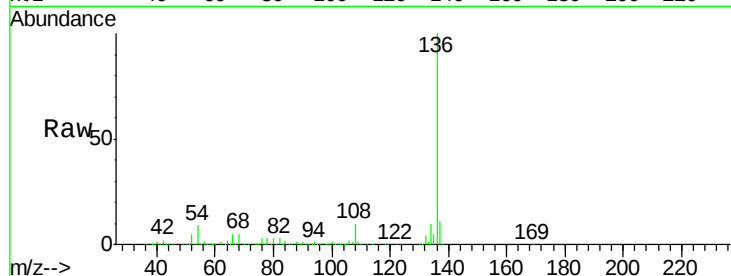
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.9 9.1 13.7#

68 4.6 5.9 8.9#

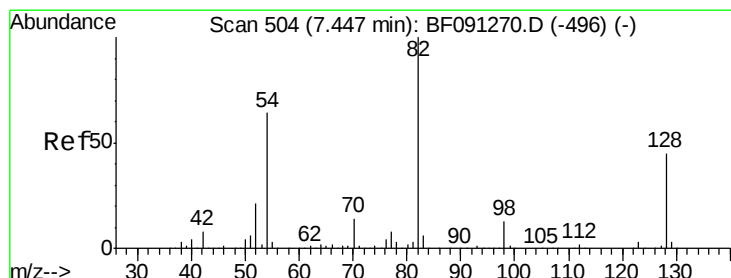
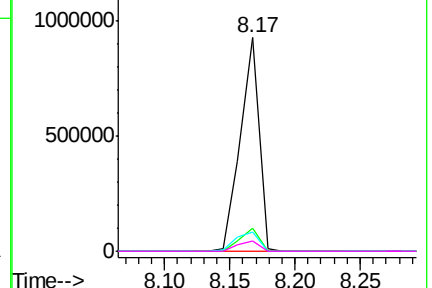
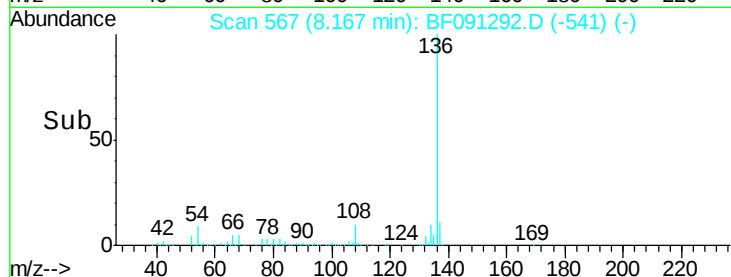


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.88 ng

RT: 7.45 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

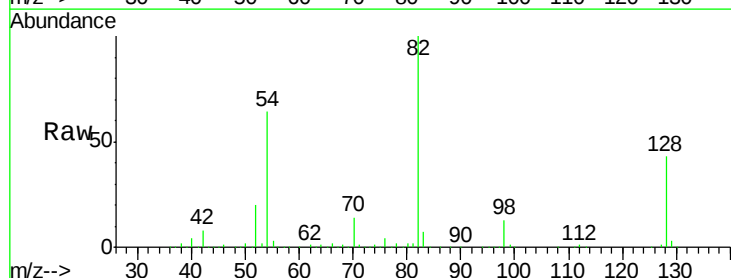
Tgt Ion: 82 Resp: 1565441

Ion Ratio Lower Upper

82 100

128 43.4 31.8 47.6

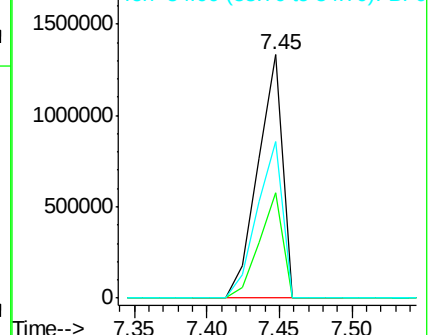
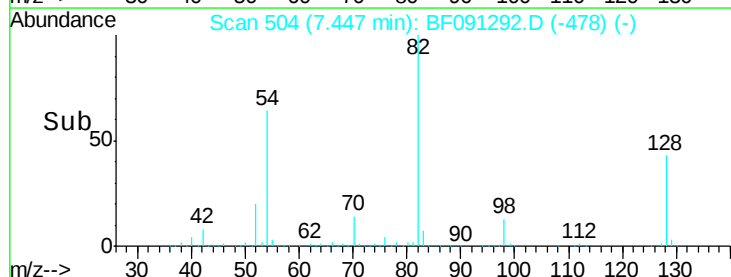
54 64.5 49.1 73.7

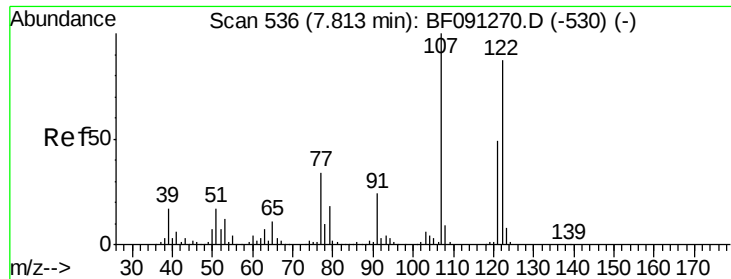


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 6.68 ng

RT: 7.89 min Scan# 543

Delta R.T. 0.08 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

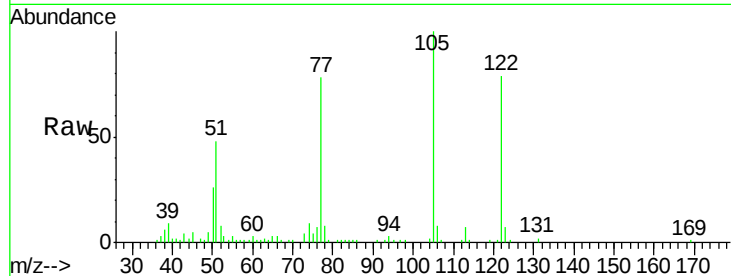
Tgt Ion:122 Resp: 95222

Ion Ratio Lower Upper

122 100

107 0.8 96.8 145.2#

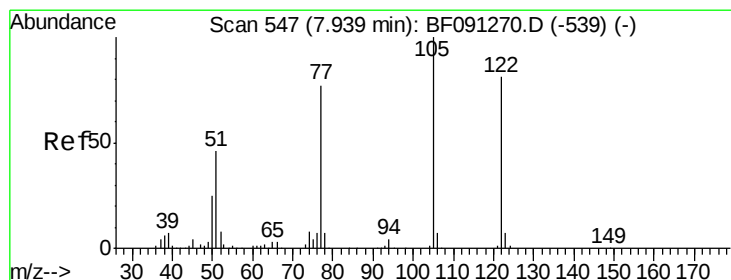
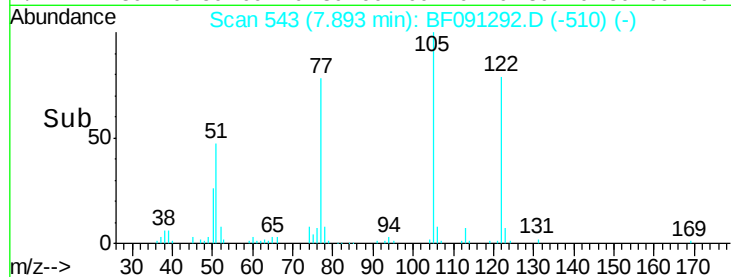
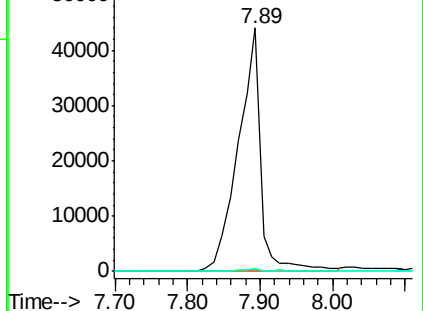
121 1.5 47.7 71.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 8.49 ng

RT: 7.89 min Scan# 543

Delta R.T. -0.04 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

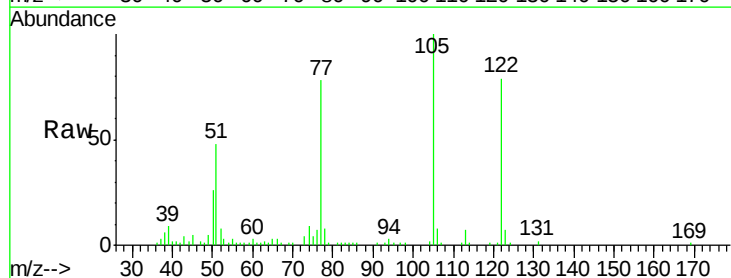
Tgt Ion:122 Resp: 95222

Ion Ratio Lower Upper

122 100

105 126.9 113.0 153.0

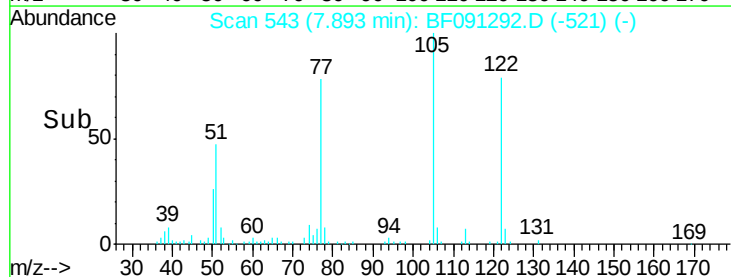
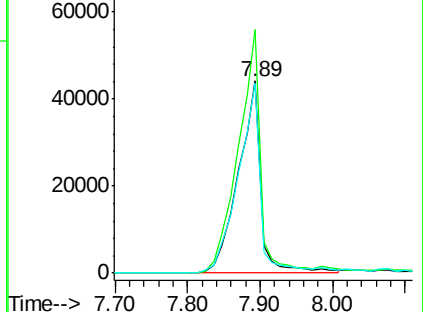
77 99.3 82.0 122.0

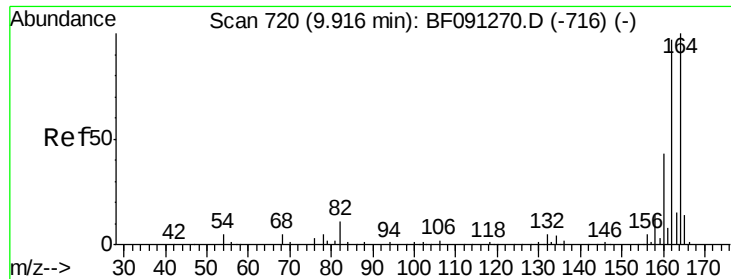


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

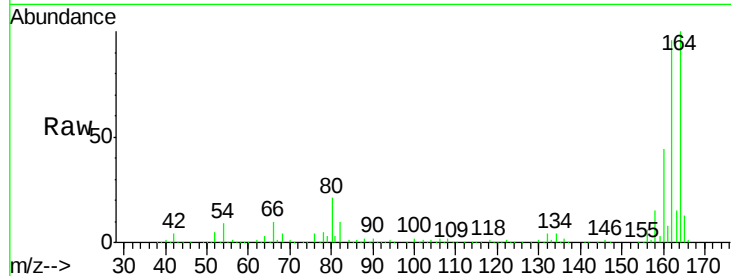
Tgt Ion:164 Resp: 456261

Ion Ratio Lower Upper

164 100

162 96.0 82.6 124.0

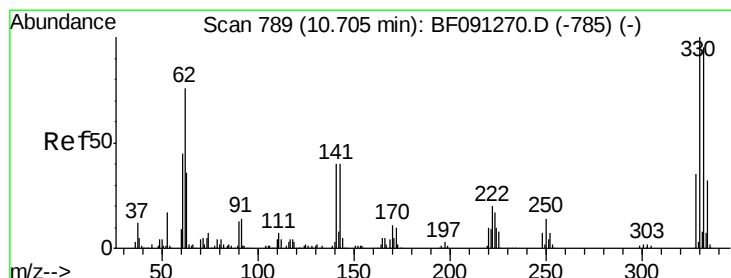
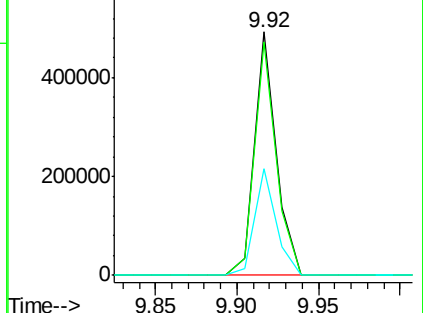
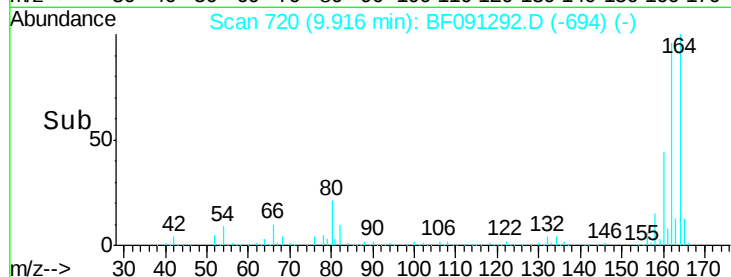
160 43.7 36.7 55.1



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: 117.03 ng

RT: 10.70 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

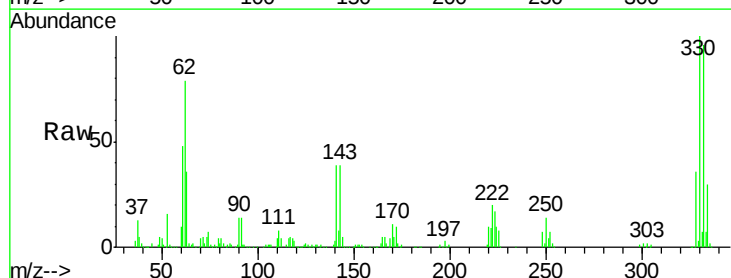
Tgt Ion:330 Resp: 538470

Ion Ratio Lower Upper

330 100

332 97.3 76.2 114.4

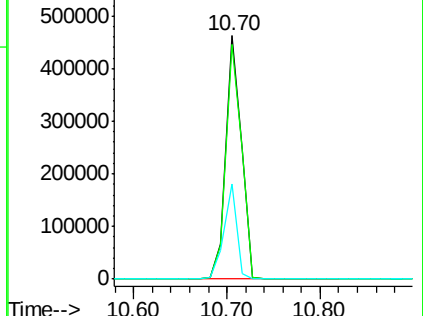
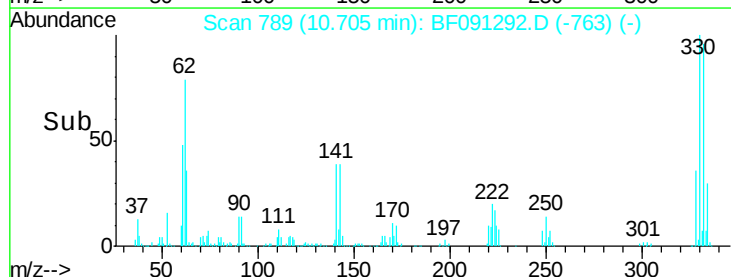
141 31.7 33.6 50.4#

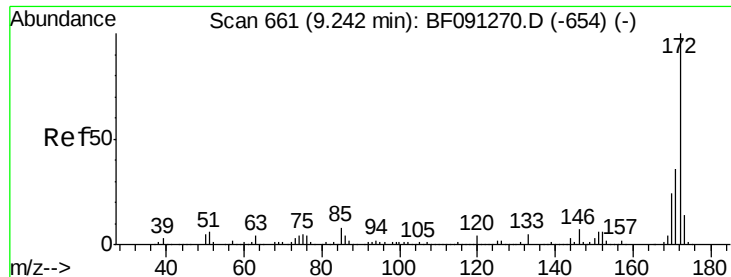


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

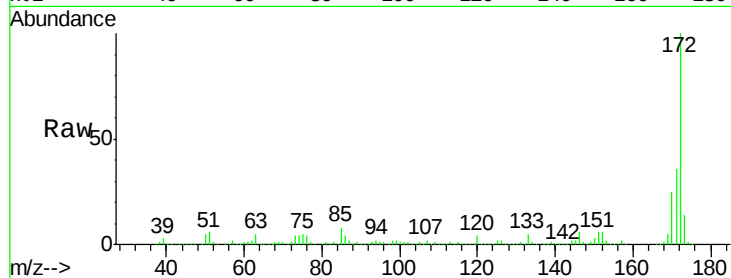




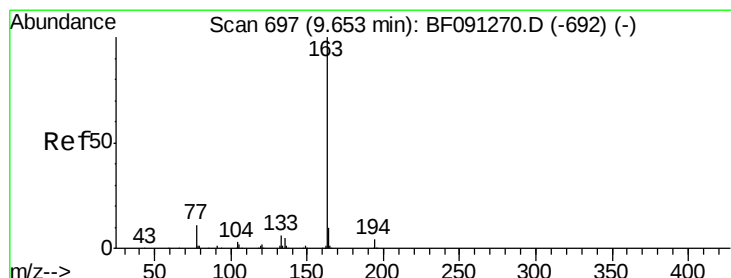
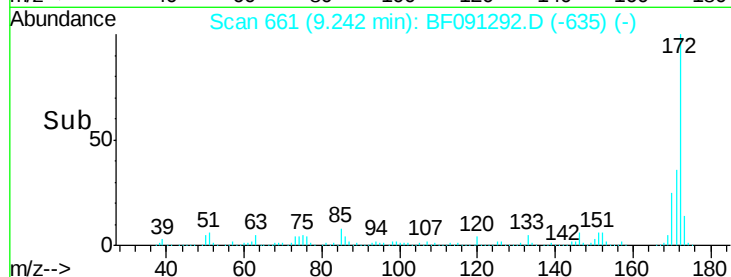
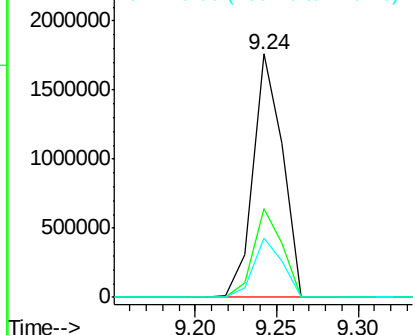
#44
 2-Fluorobiphenyl
 Concen: 78.81 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-03(0-0.16)

Tgt Ion:172 Resp: 2195985
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.6 19.7 29.5

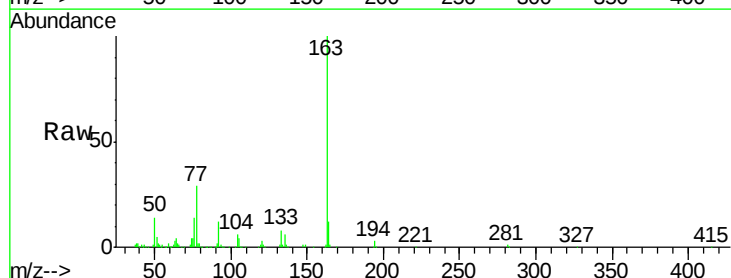


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

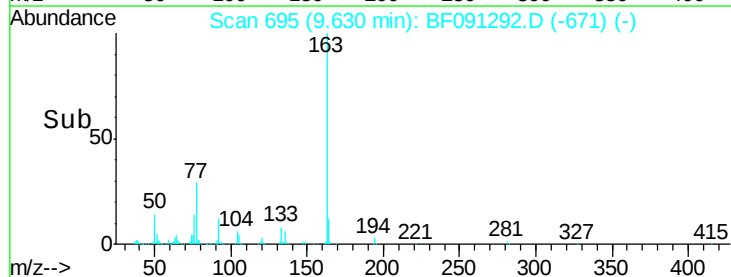
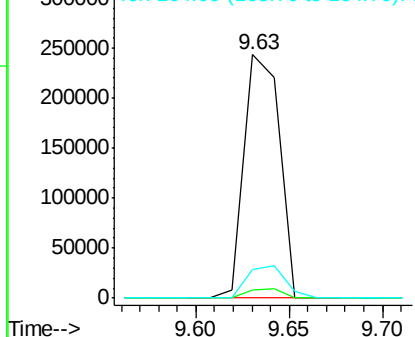


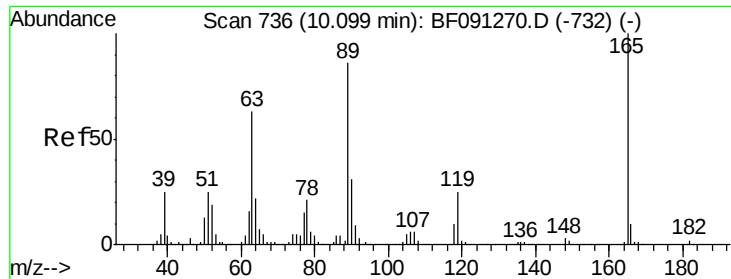
#49
 Dimethylphthalate
 Concen: 11.37 ng
 RT: 9.63 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF091292.D
 Acq: 23 Nov 2016 23:15

Tgt Ion:163 Resp: 323931
 Ion Ratio Lower Upper
 163 100
 194 3.3 3.0 4.4
 164 11.7 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

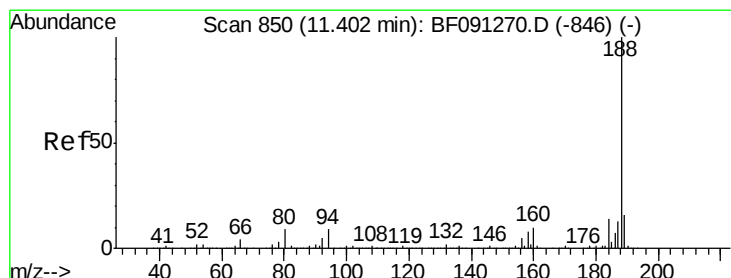
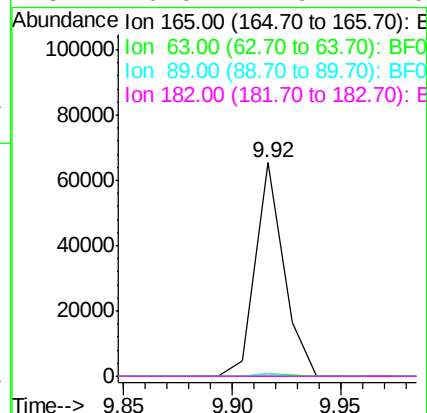
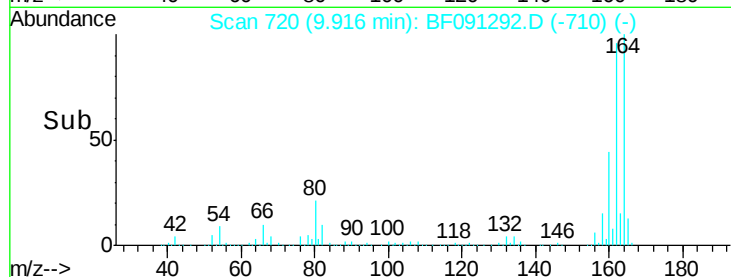
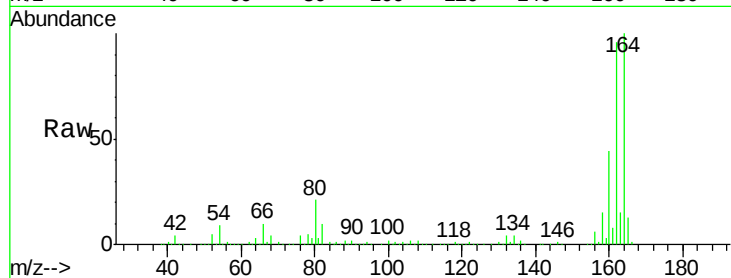




#56
2,4-Dinitrotoluene
Concen: 7.56 ng
RT: 9.92 min Scan# 720
Delta R.T. -0.18 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

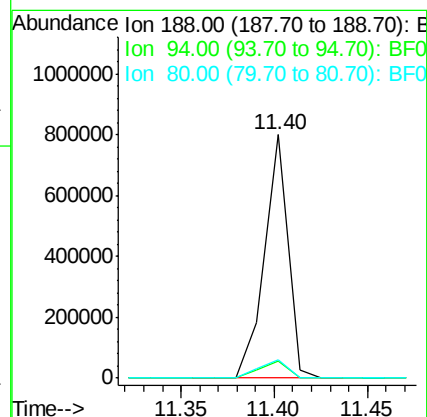
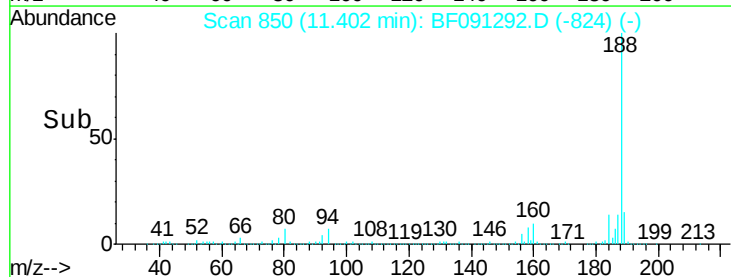
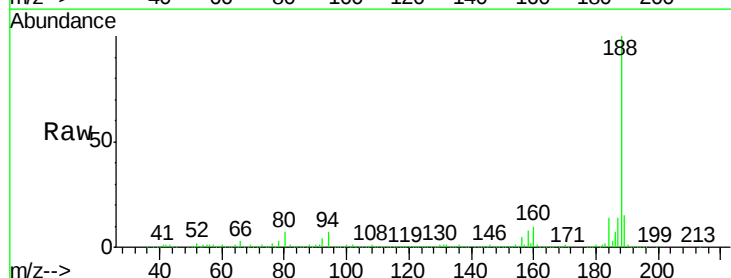
Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

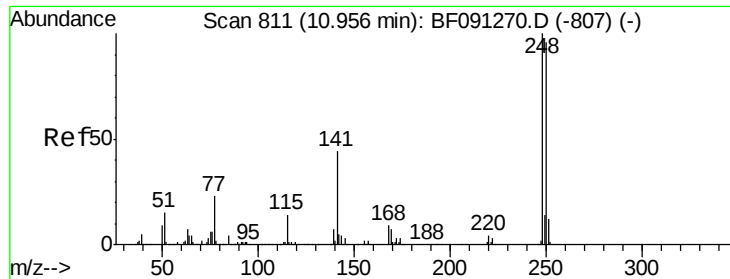
Tgt Ion:	165	Resp:	59545
Ion Ratio	Lower	Upper	
165	100		
63	1.1	29.0	43.4#
89	1.1	43.1	64.7#
182	0.0	1.9	2.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Tgt Ion:	188	Resp:	696170
Ion Ratio	Lower	Upper	
188	100		
94	7.1	9.2	13.8#
80	7.5	10.5	15.7#

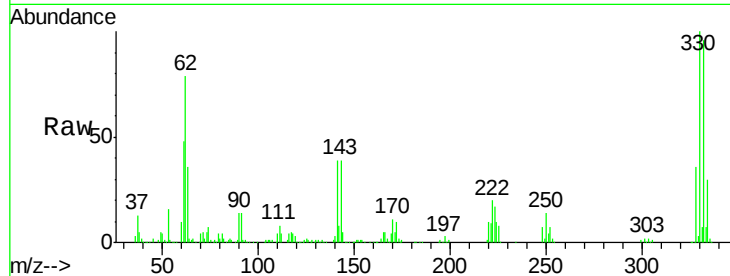




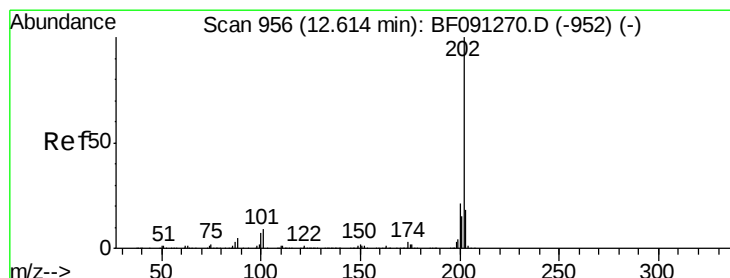
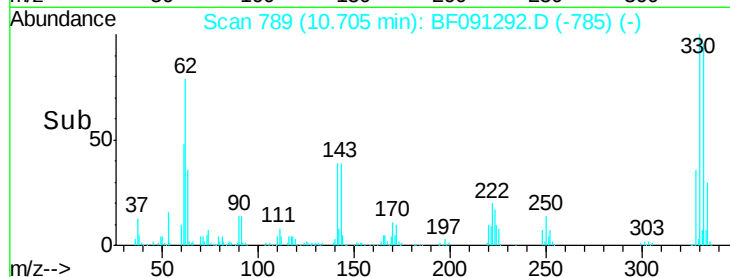
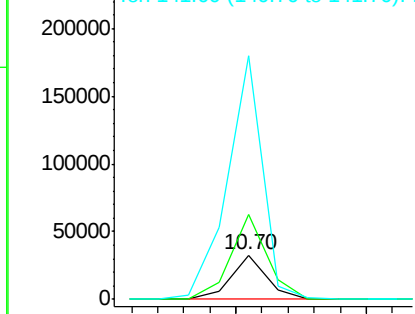
#66
4-Bromophenyl-phenylether
Concen: 4.12 ng
RT: 10.70 min Scan# 789
Delta R.T. -0.25 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Tgt Ion:248 Resp: 31315
Ion Ratio Lower Upper
248 100
250 192.2 78.2 117.4#
141 552.3 71.9 107.9#

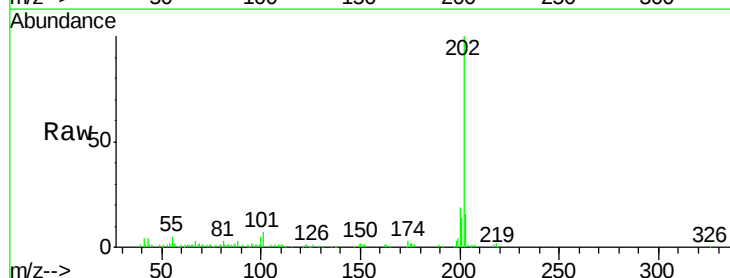


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

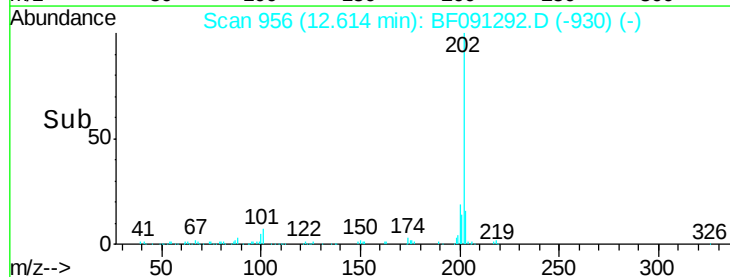
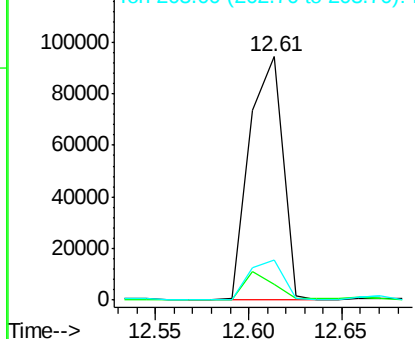


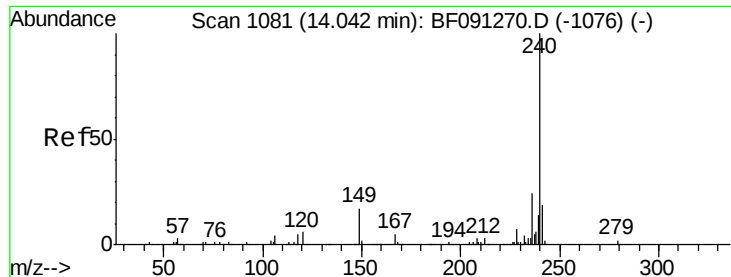
#74
Fluoranthene
Concen: 3.19 ng
RT: 12.61 min Scan# 956
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Tgt Ion:202 Resp: 117237
Ion Ratio Lower Upper
202 100
101 6.5 0.0 29.5
203 16.3 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: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

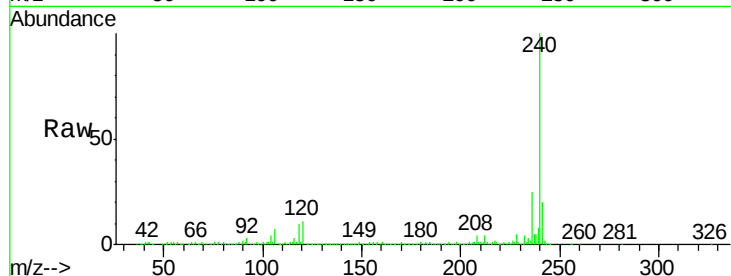
Tgt Ion:240 Resp: 508950

Ion Ratio Lower Upper

240 100

120 10.5 12.1 18.1#

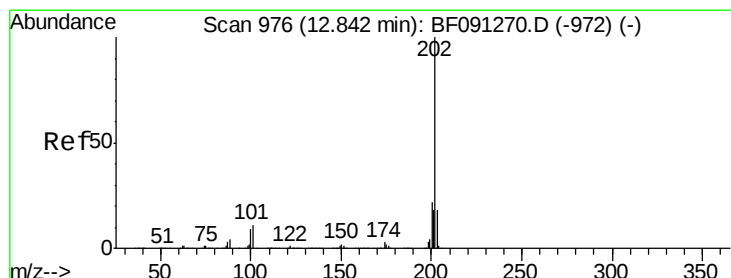
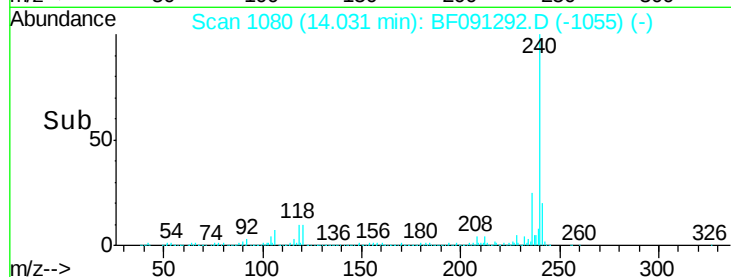
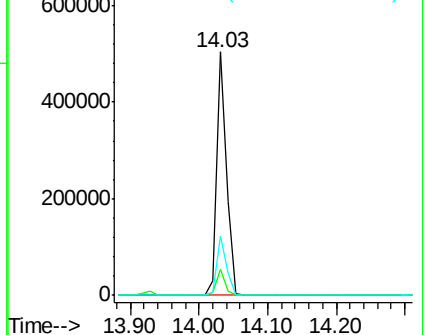
236 24.5 21.0 31.6



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: 2.91 ng

RT: 12.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

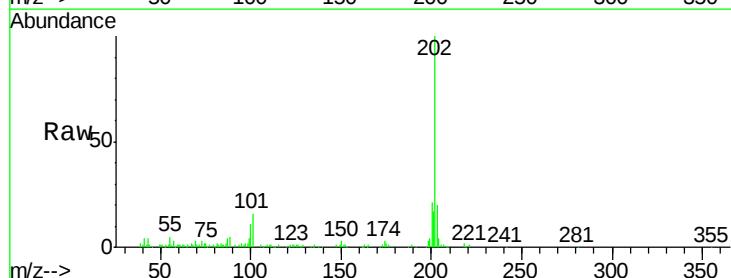
Tgt Ion:202 Resp: 109263

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

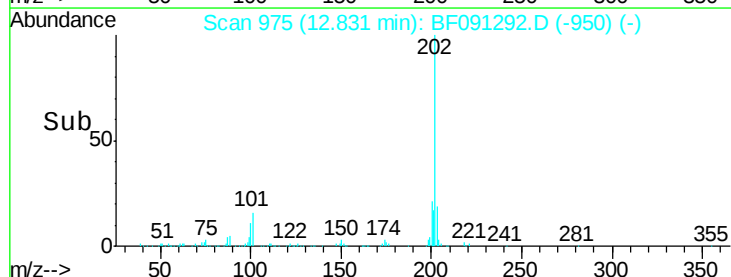
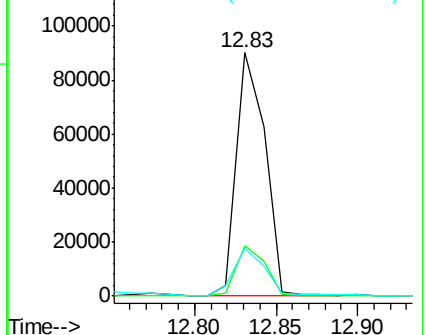
203 19.6 14.0 21.0

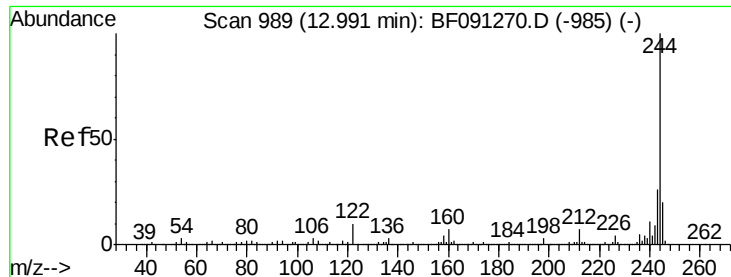


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.67 ng

RT: 12.99 min Scan# 989

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

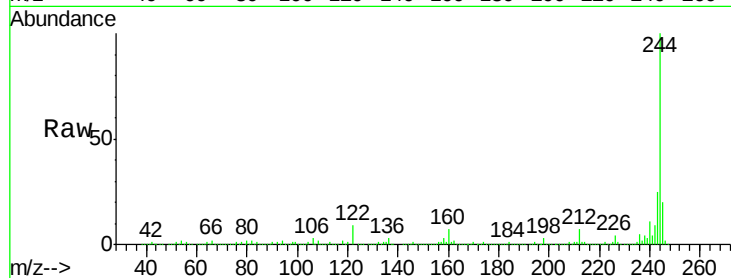
Tgt Ion:244 Resp: 1441165

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

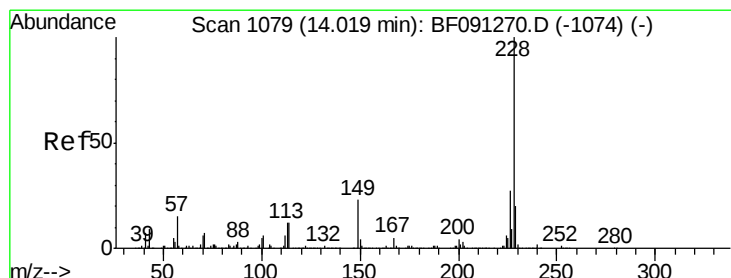
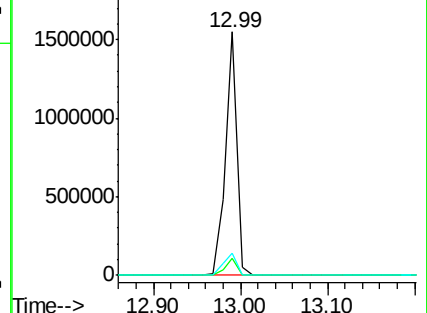
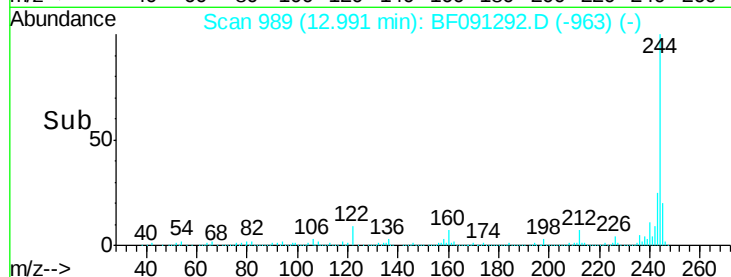
122 9.2 9.5 14.3#



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: 2.78 ng

RT: 14.02 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

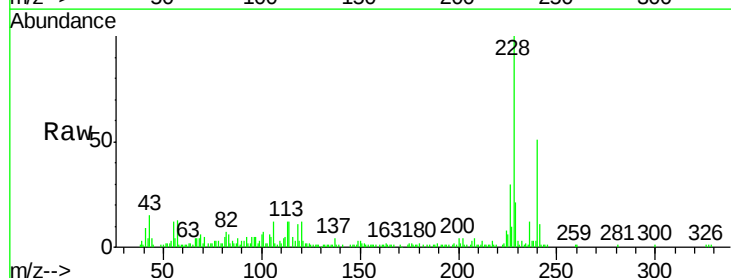
Tgt Ion:228 Resp: 80307

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

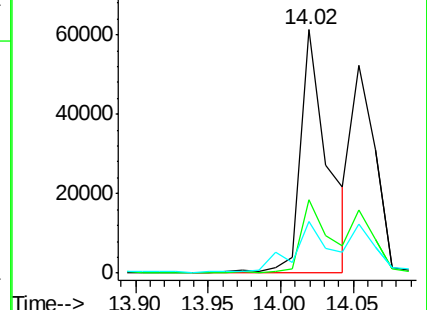
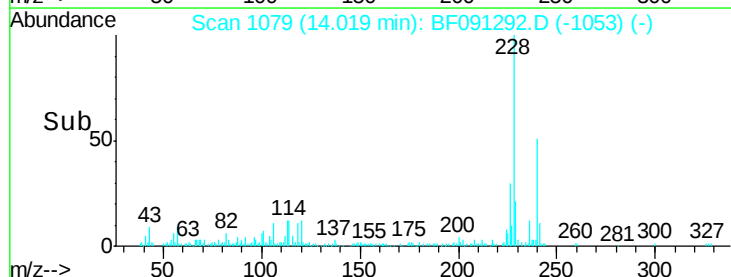
229 21.3 16.4 24.6

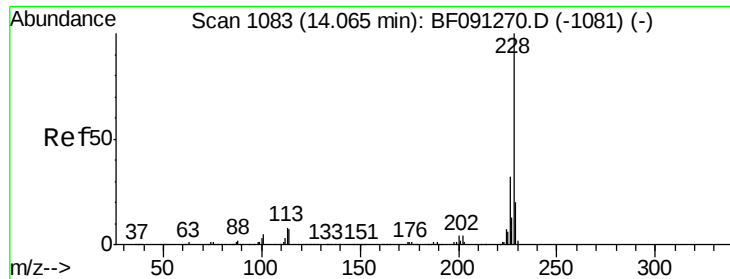


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.94 ng

RT: 14.02 min Scan# 1079

Delta R.T. -0.05 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)

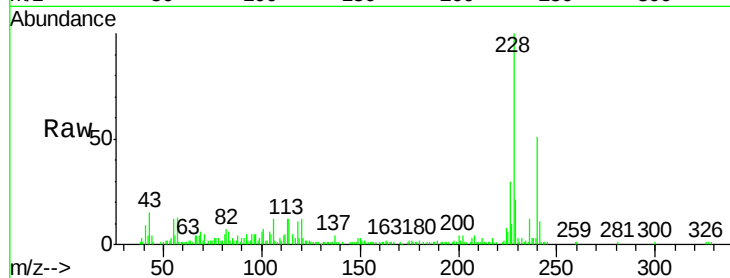
Tgt Ion:228 Resp: 80307

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.4

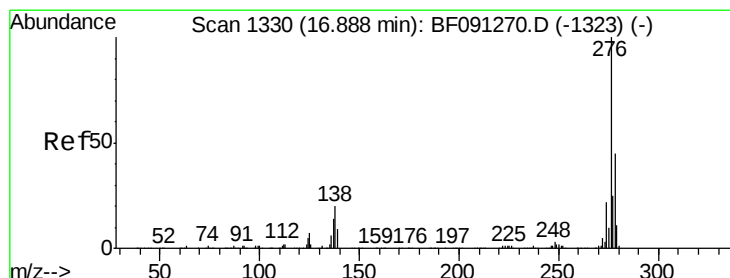
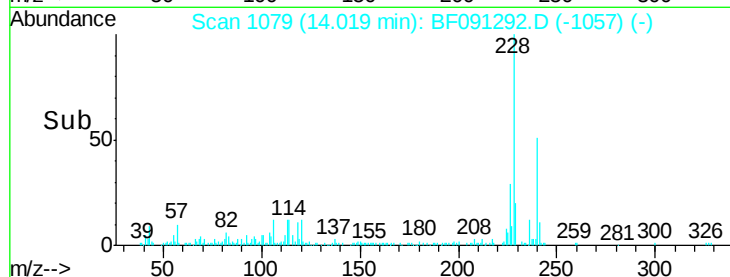
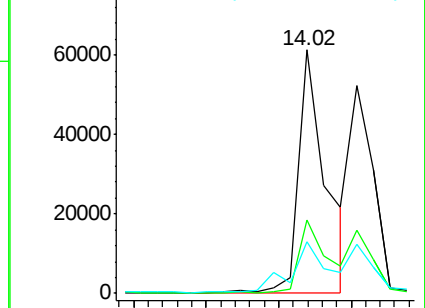
229 21.3 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.08 ng

RT: 16.88 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF091292.D

Acq: 23 Nov 2016 23:15

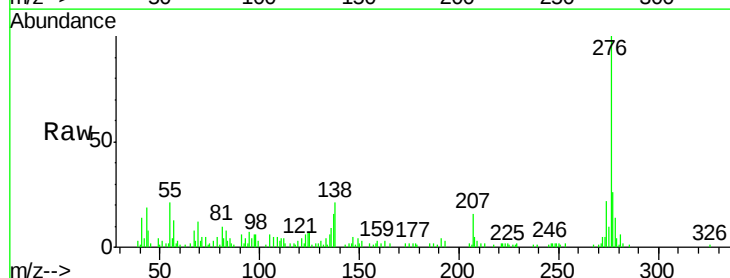
Tgt Ion:276 Resp: 48823

Ion Ratio Lower Upper

276 100

138 21.8 21.0 31.4

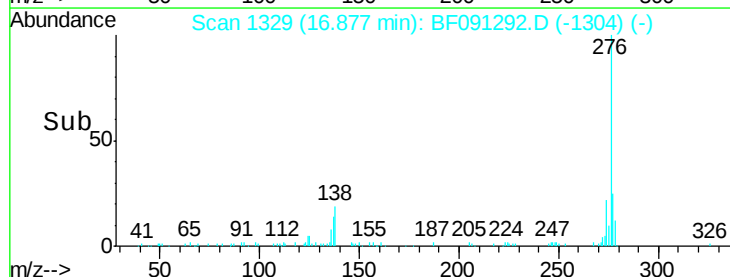
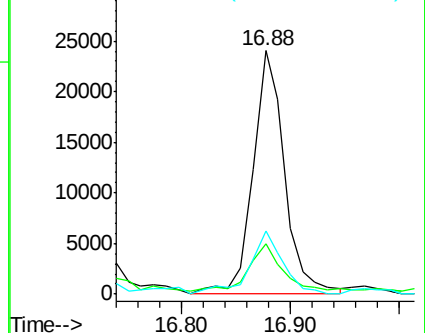
277 27.3 20.2 30.2

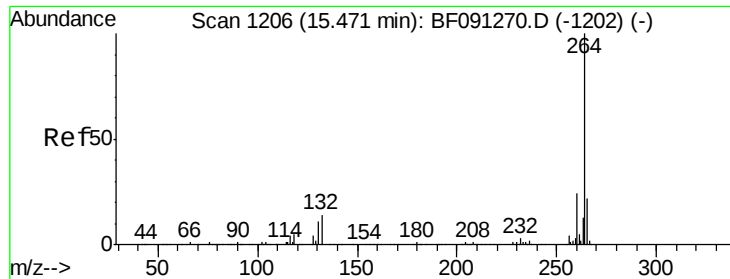


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



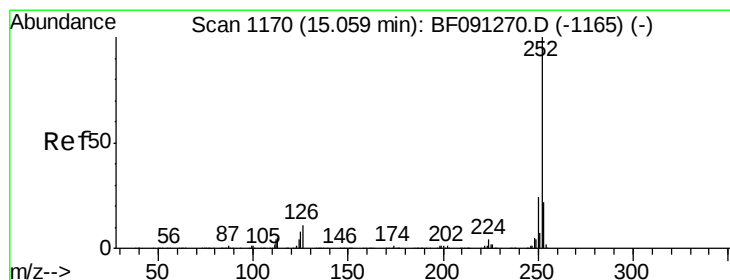
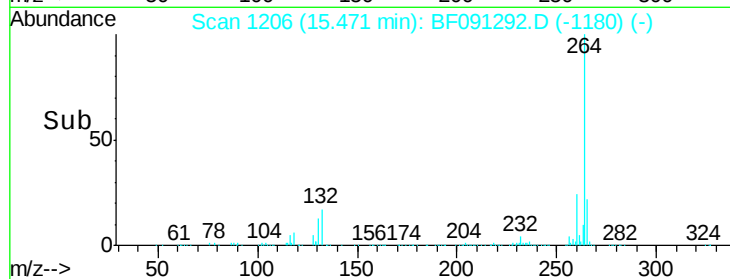
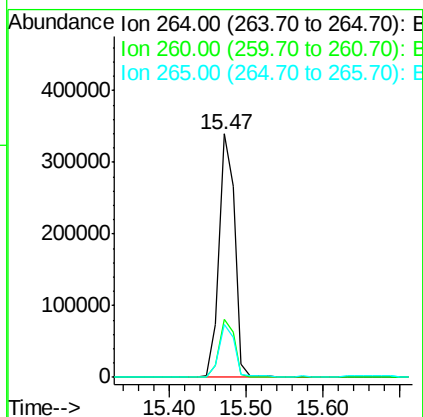
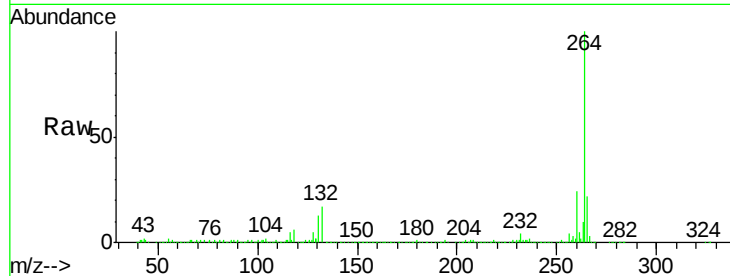


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SB-03(0-0.16)

Tgt Ion:264 Resp: 491008

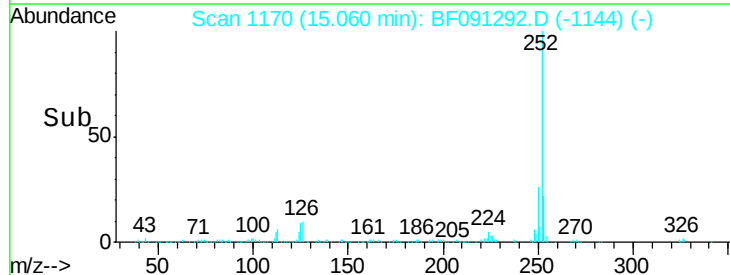
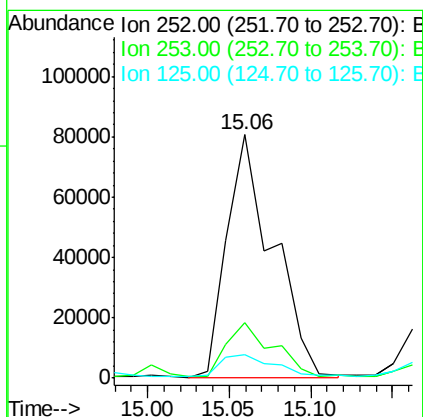
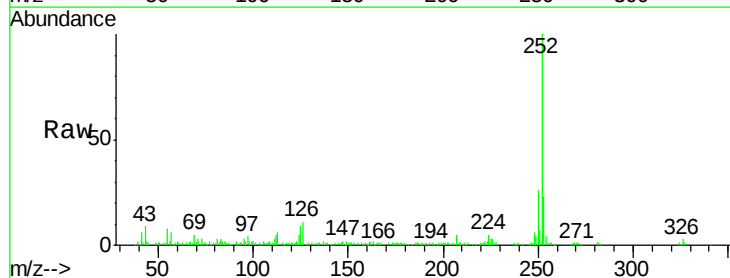
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.7	17.0	25.6

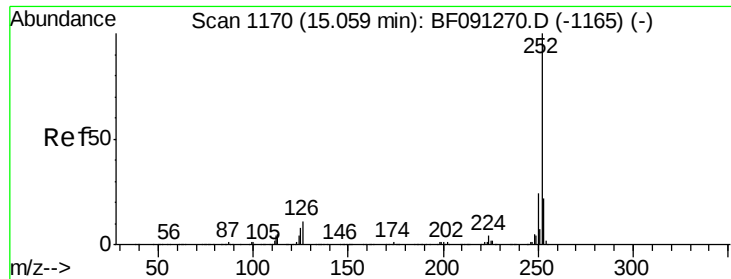


#87
Benzo(b)fluoranthene
Concen: 5.11 ng
RT: 15.06 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF091292.D
Acq: 23 Nov 2016 23:15

Tgt Ion:252 Resp: 158416

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	9.5	8.6	13.0





#88

Benzo(k)fluoranthene

Concen: 6.26 ng

RT: 15.06 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF091292.D

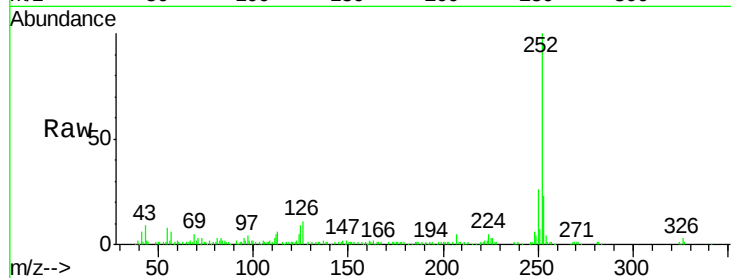
Acq: 23 Nov 2016 23:15

Instrument :

BNA_F

ClientSampleId :

SB-03(0-0.16)



Tgt Ion:	252	Resp:	158416
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.8
125	9.5	9.6	14.4#

