

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113016\
 Data File : BF091356.D
 Acq On : 30 Nov 2016 16:05
 Operator : UM/SJ
 Sample : H5749-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-4

Quant Time: Dec 01 00:16:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	232559	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	961832	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	461621	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	690876	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	518411	20.00	ng	-0.03
86) Perylene-d12	15.45	264	451880	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1758317	123.51	ng	0.00
7) Phenol-d6	6.50	99	2589321	147.76	ng	0.00
23) Nitrobenzene-d5	7.43	82	1480127	86.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	482741	110.46	ng	-0.02
44) 2-Fluorobiphenyl	9.24	172	2426691	95.18	ng	0.00
78) Terphenyl-d14	12.97	244	1753367	73.51	ng	-0.02

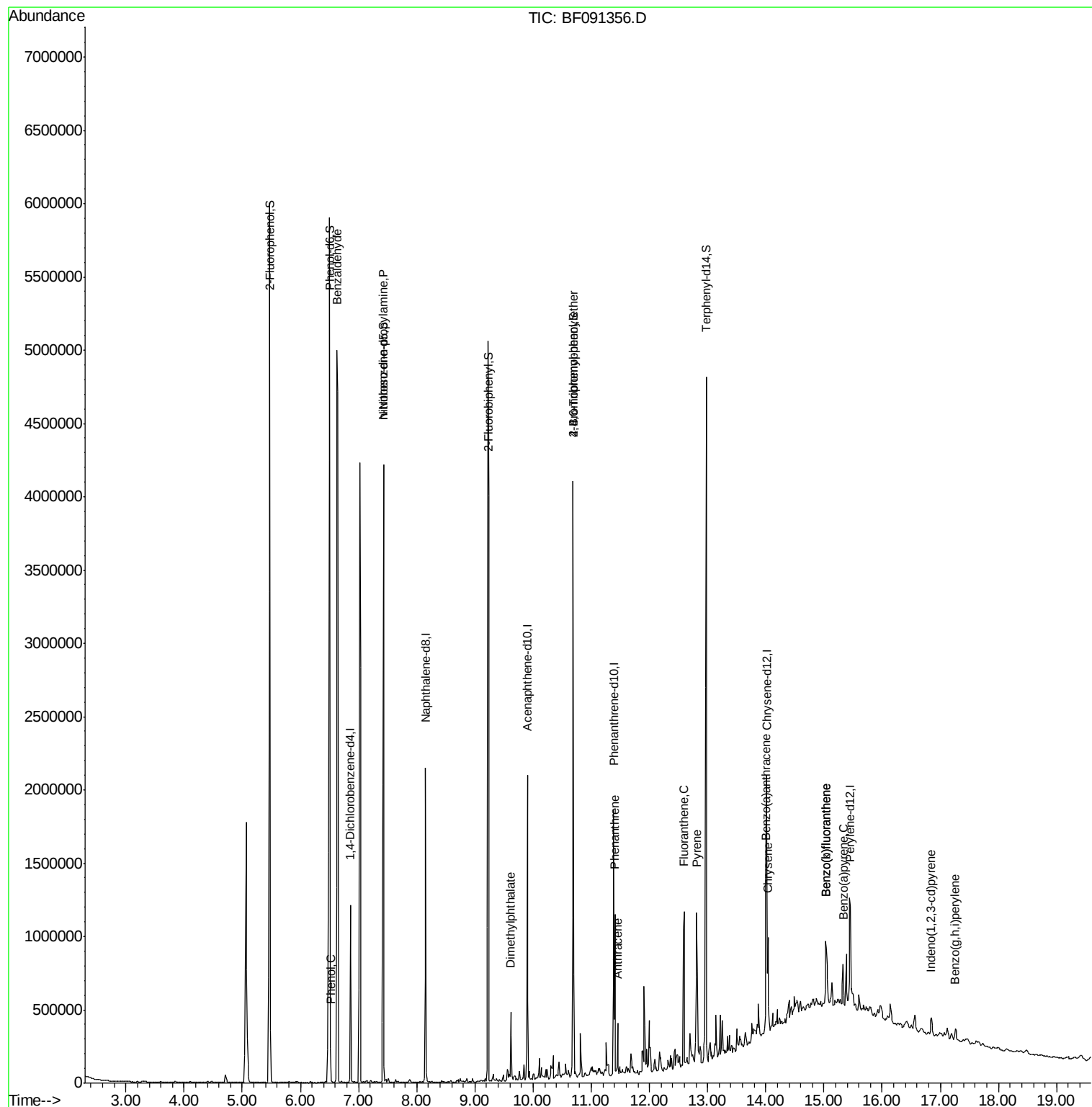
Target Compounds				Qvalue		
9) Benzaldehyde	6.63	77	51292	4.55	ng	83
10) Phenol	6.52	94	97232	4.72	ng	# 71
19) n-Nitroso-di-n-propylamine	7.43	70	207907	18.83	ng	# 73
49) Dimethylphthalate	9.61	163	226812	8.11	ng	98
66) 4-Bromophenyl-phenylether	10.69	248	30537	4.11	ng	# 1
70) Phenanthrene	11.41	178	431713	12.03	ng	99
71) Anthracene	11.45	178	132734	3.73	ng	97
74) Fluoranthene	12.60	202	628798	18.49	ng	97
77) Pyrene	12.81	202	538806	13.70	ng	96
80) Benzo(a)anthracene	14.00	228	361807	11.93	ng	98
82) Chrysene	14.04	228	230208	7.67	ng	96
85) Indeno(1,2,3-cd)pyrene	16.85	276	85201	3.10	ng	# 89
87) Benzo(b)fluoranthene	15.03	252	383789	13.66	ng	98
88) Benzo(k)fluoranthene	15.03	252	383789	16.25	ng	97
89) Benzo(a)pyrene	15.33	252	133121	5.28	ng	97
91) Benzo(g,h,i)perylene	17.26	276	74081	3.08	ng	96

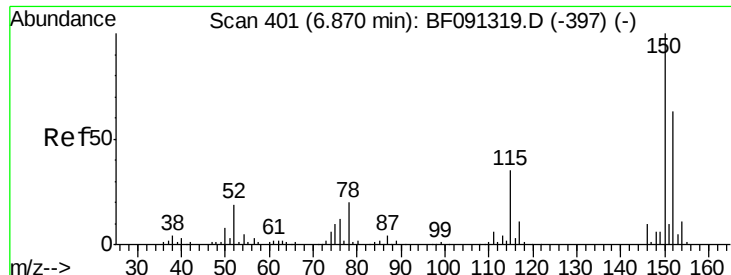
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

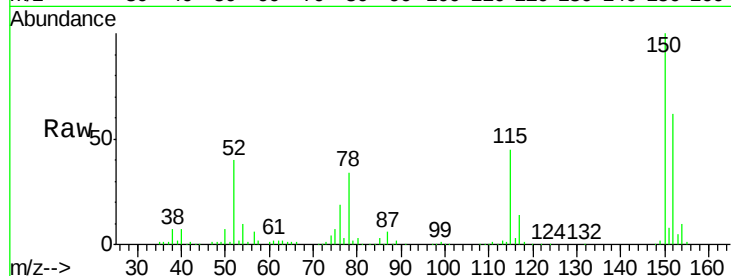
Tgt Ion:152 Resp: 232559

Ion Ratio Lower Upper

152 100

150 161.2 122.5 183.7

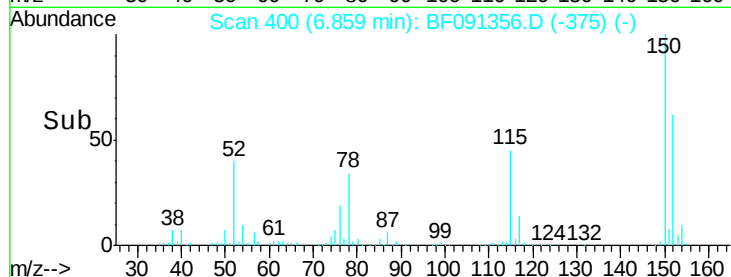
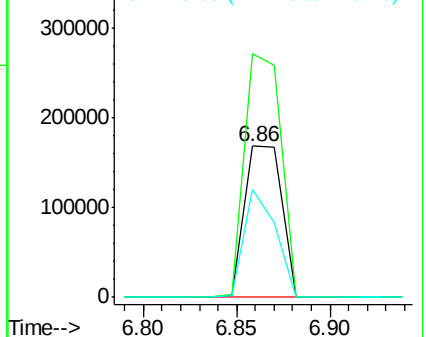
115 71.8 51.8 77.8



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: 123.51 ng

RT: 5.48 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

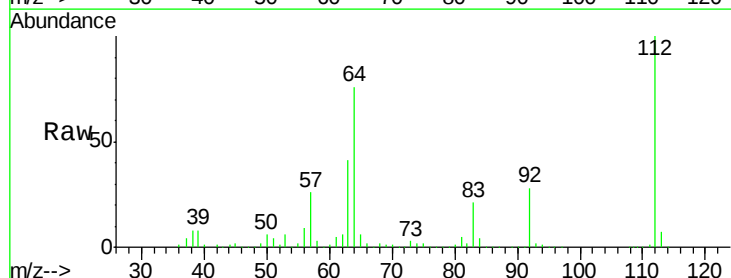
Tgt Ion:112 Resp: 1758317

Ion Ratio Lower Upper

112 100

64 76.2 61.5 92.3

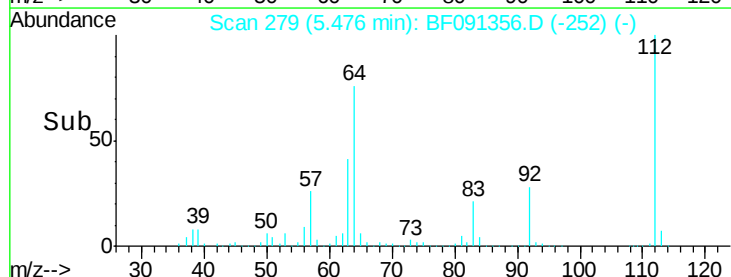
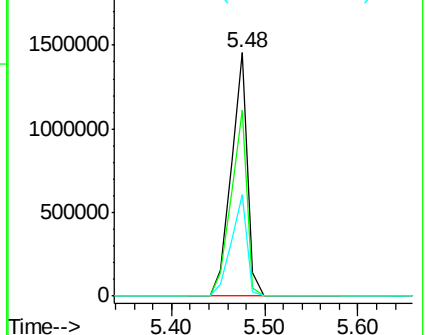
63 41.5 33.3 49.9

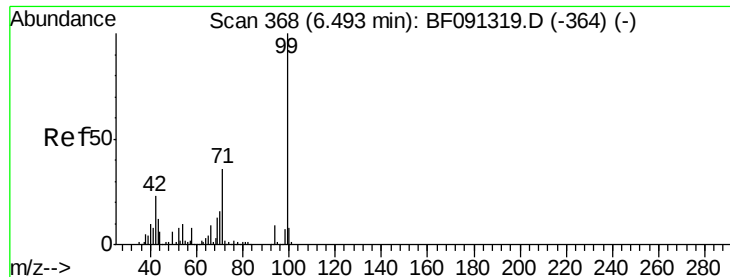


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.76 ng

RT: 6.50 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

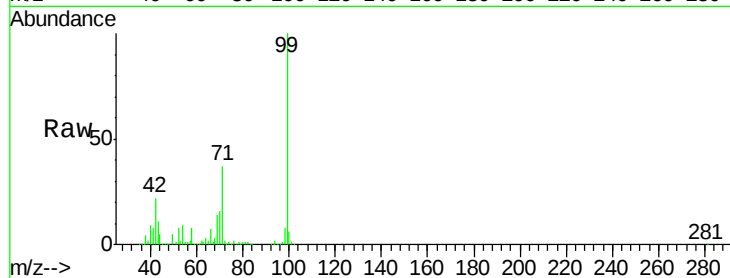
Tgt Ion: 99 Resp: 2589321

Ion Ratio Lower Upper

99 100

42 21.9 20.6 31.0

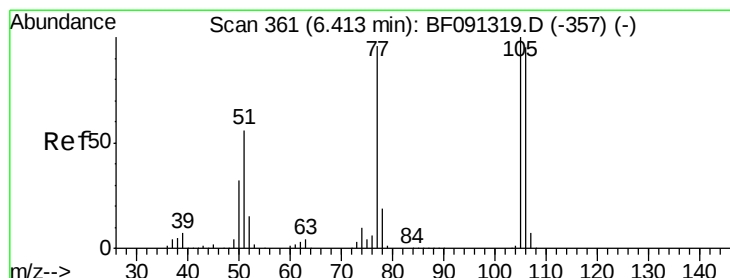
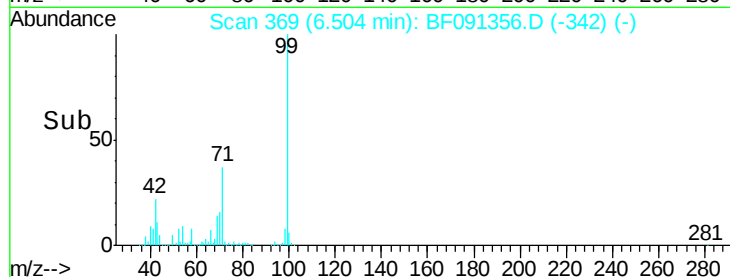
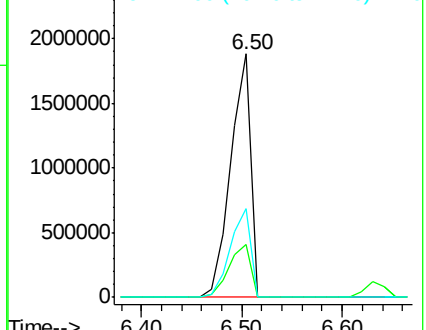
71 36.6 29.9 44.9



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: 4.55 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

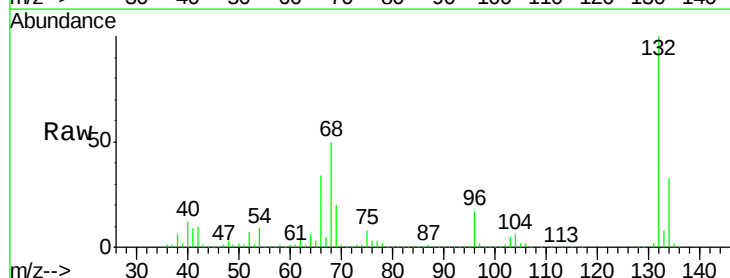
Tgt Ion: 77 Resp: 51292

Ion Ratio Lower Upper

77 100

105 72.0 66.4 106.4

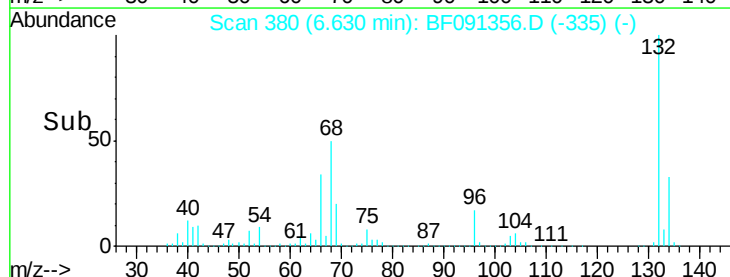
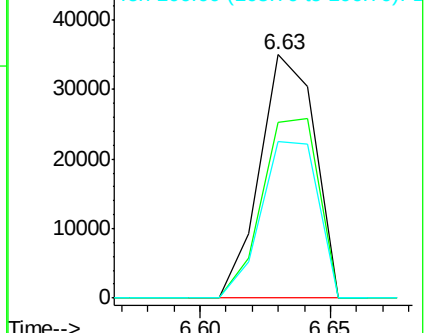
106 64.5 60.9 100.9

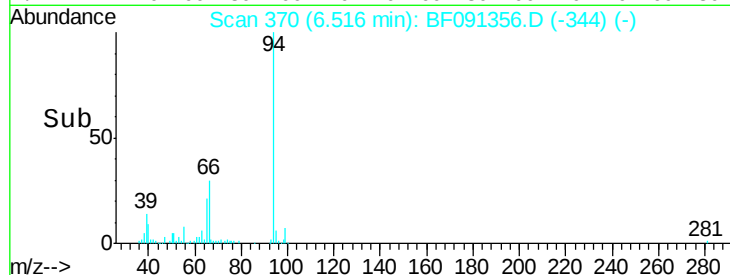
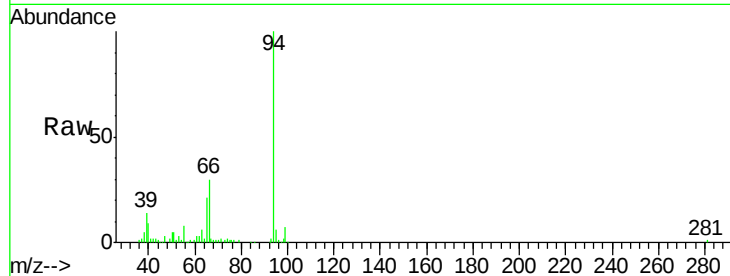
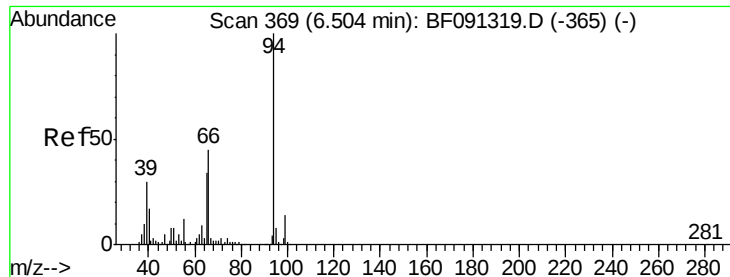


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.72 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

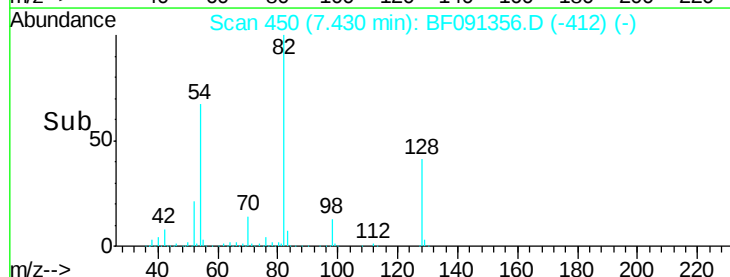
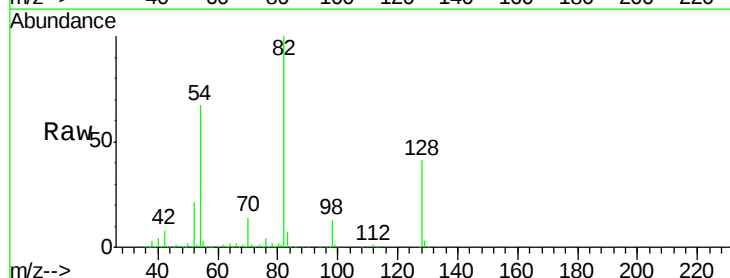
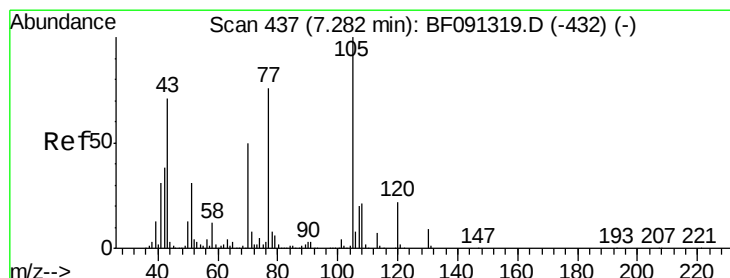
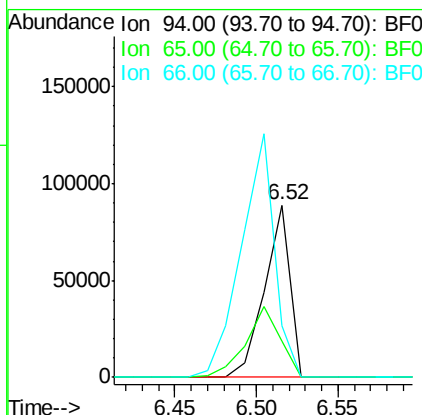
Tgt Ion: 94 Resp: 97232

Ion Ratio Lower Upper

94 100

65 20.8 16.9 56.9

66 29.6 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 18.83 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Tgt Ion: 70 Resp: 207907

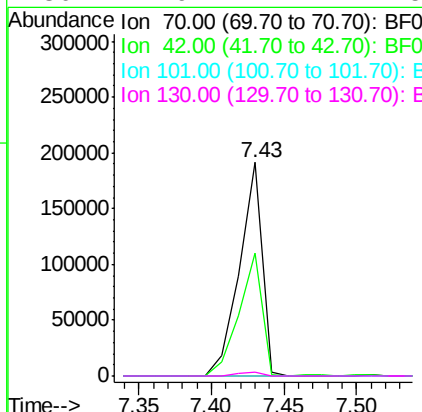
Ion Ratio Lower Upper

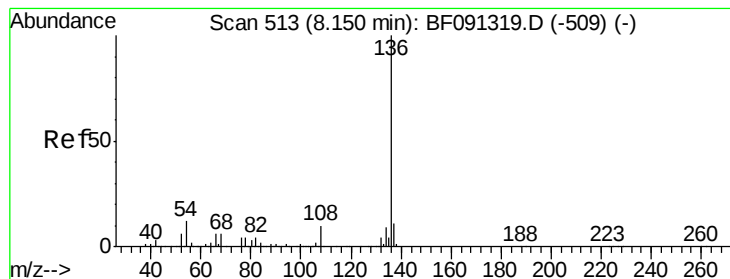
70 100

42 57.6 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

Tgt Ion:136 Resp: 961832

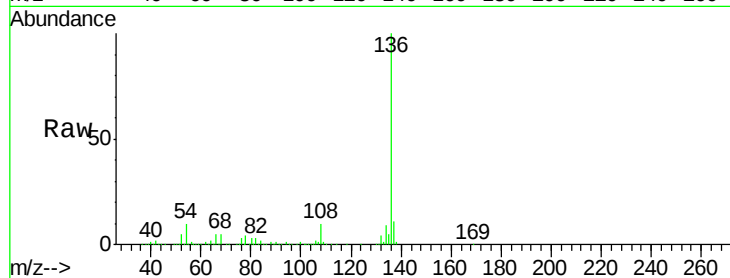
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.9 9.1 13.7

68 5.0 5.9 8.9#

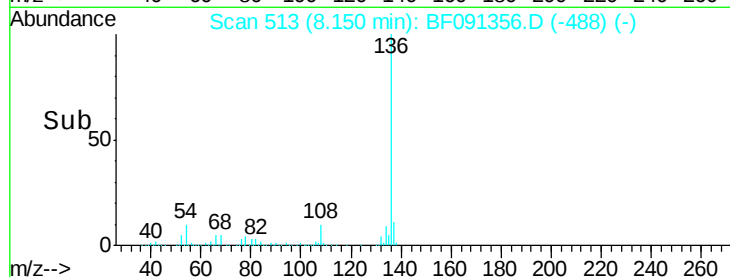


Abundance Ion 136.00 (135.70 to 136.70): E

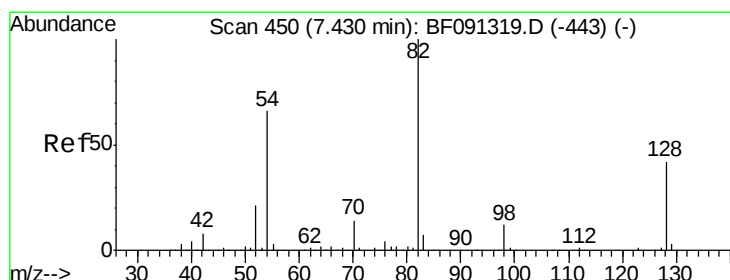
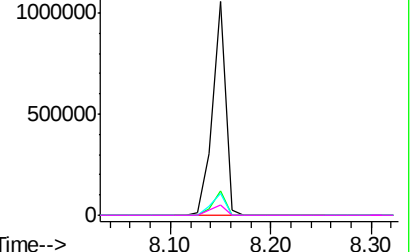
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 86.24 ng

RT: 7.43 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

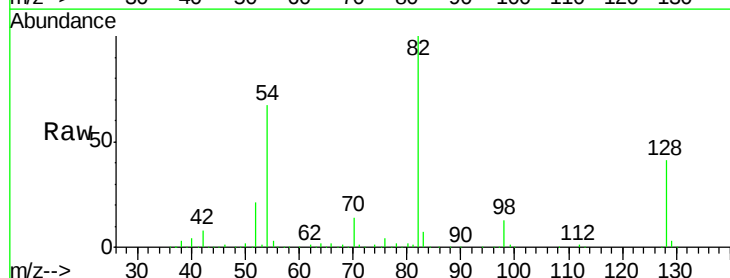
Tgt Ion: 82 Resp: 1480127

Ion Ratio Lower Upper

82 100

128 41.0 31.8 47.6

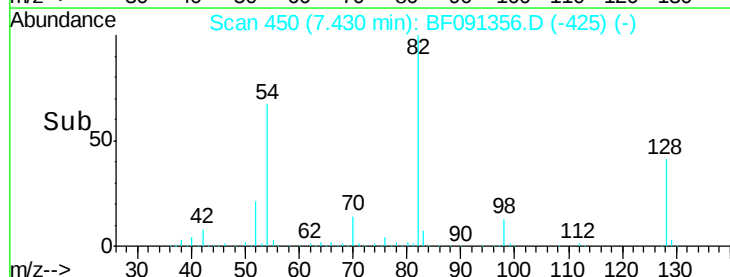
54 66.8 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

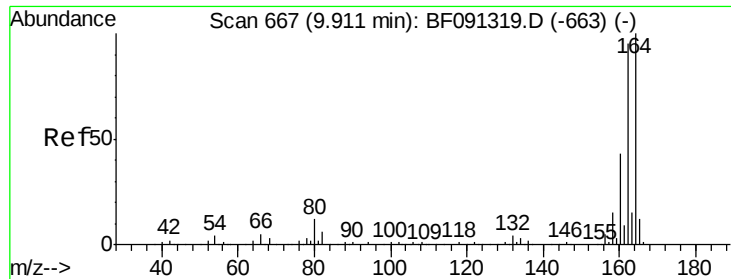
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

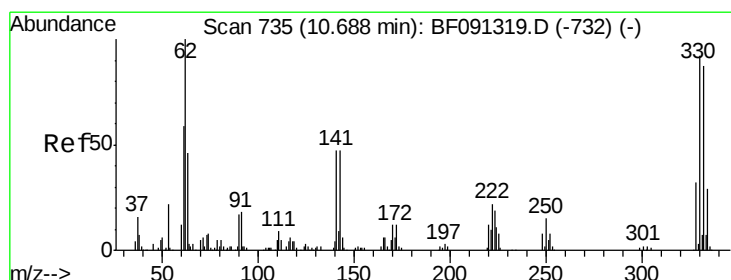
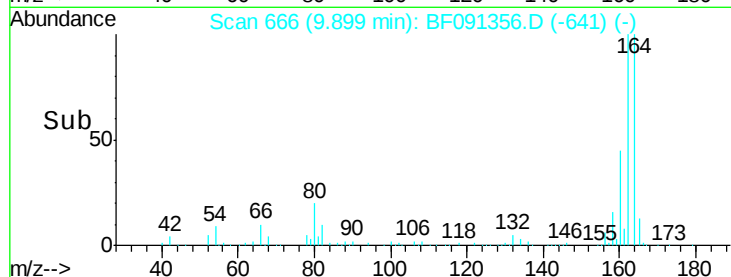
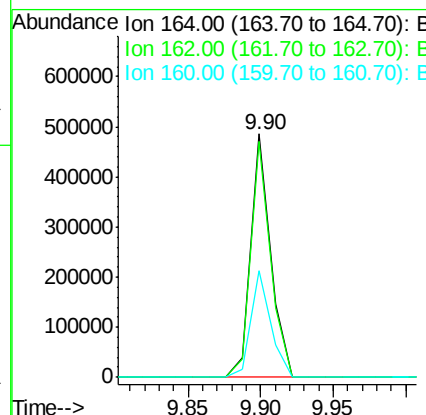
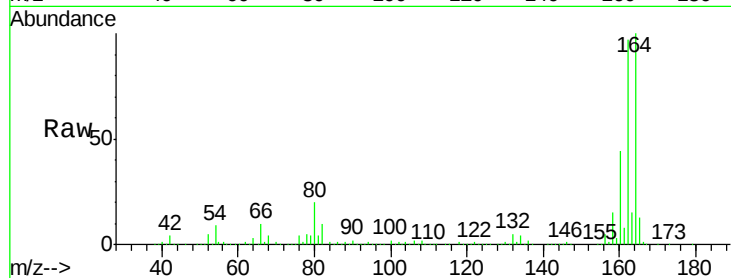




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091356.D
Acq: 30 Nov 2016 16:05

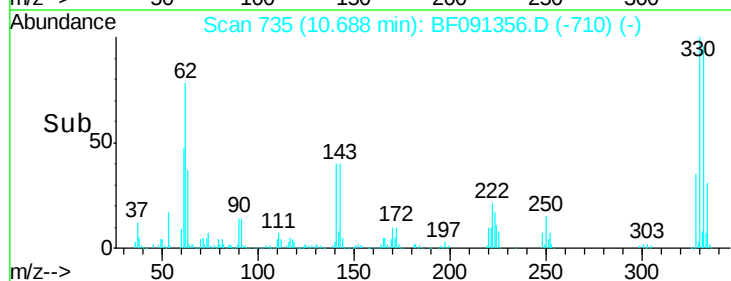
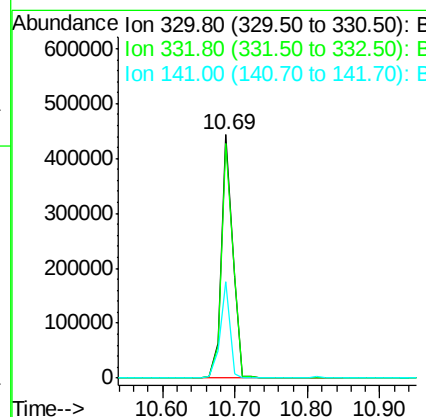
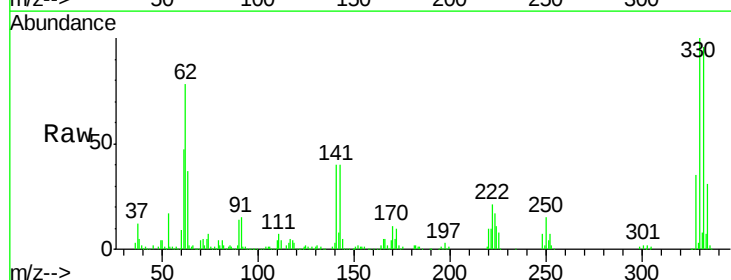
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-4

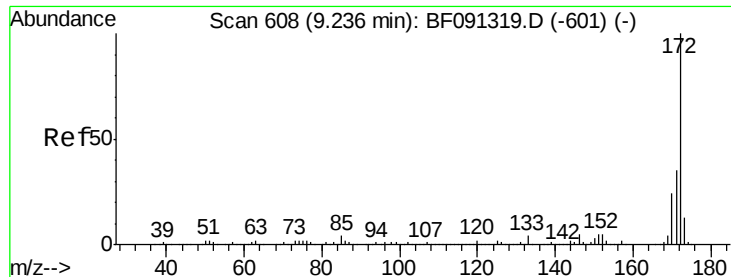
Tgt Ion:164 Resp: 461621
Ion Ratio Lower Upper
164 100
162 97.1 82.6 124.0
160 43.8 36.7 55.1



#41
2,4,6-Tribromophenol
Concen: 110.46 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF091356.D
Acq: 30 Nov 2016 16:05

Tgt Ion:330 Resp: 482741
Ion Ratio Lower Upper
330 100
332 97.4 76.2 114.4
141 34.3 33.6 50.4

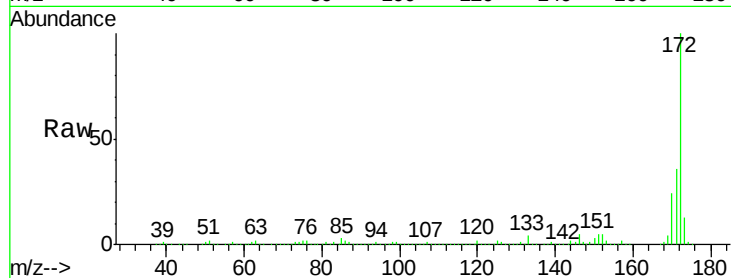




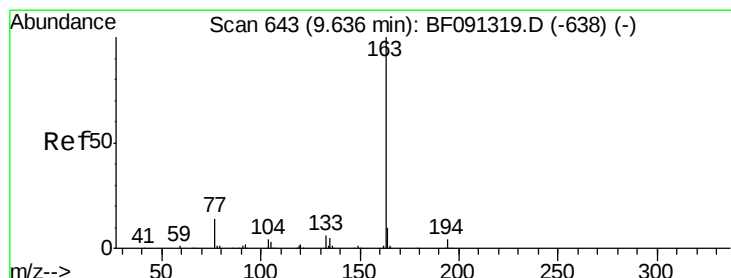
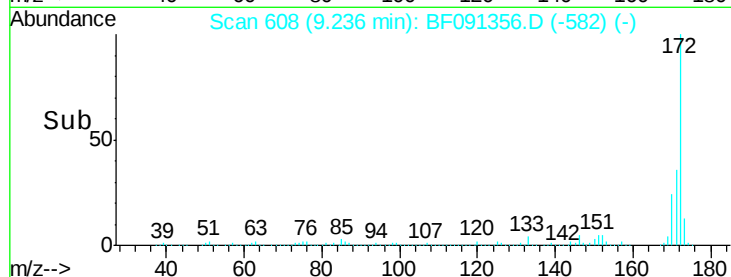
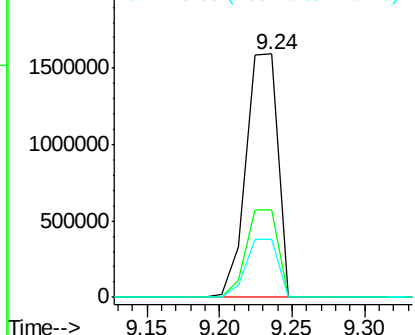
#44
2-Fluorobiphenyl
Concen: 95.18 ng
RT: 9.24 min Scan# 608
Delta R.T. -0.01 min
Lab File: BF091356.D
Acq: 30 Nov 2016 16:05

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-4

Tgt Ion:172 Resp: 2426691
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.9 19.7 29.5

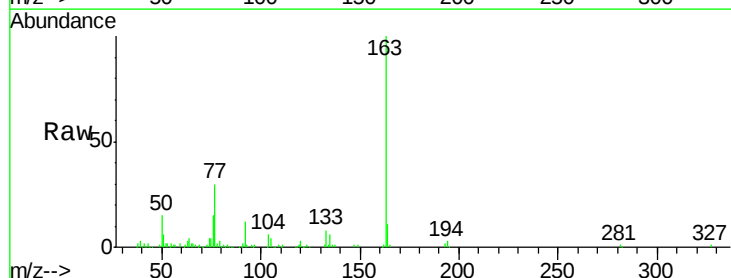


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

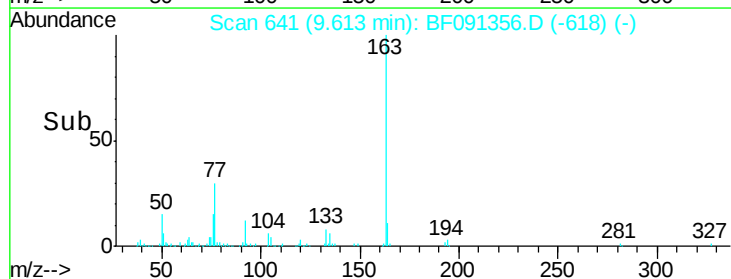
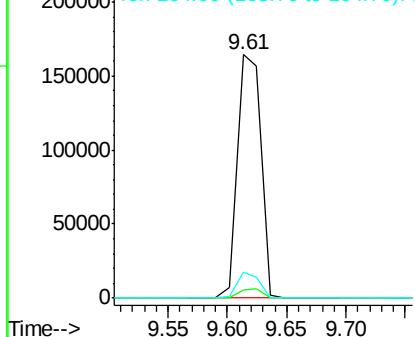


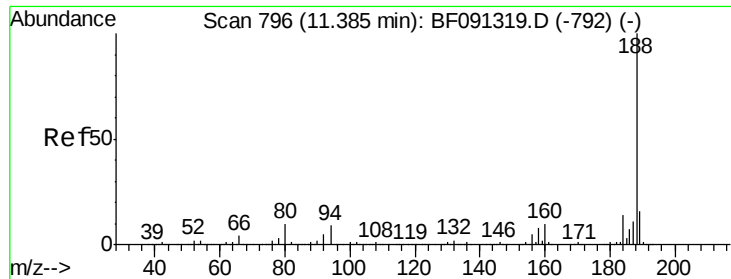
#49
Dimethylphthalate
Concen: 8.11 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.04 min
Lab File: BF091356.D
Acq: 30 Nov 2016 16:05

Tgt Ion:163 Resp: 226812
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.6 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

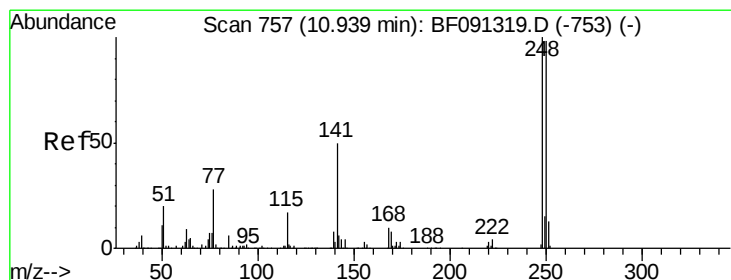
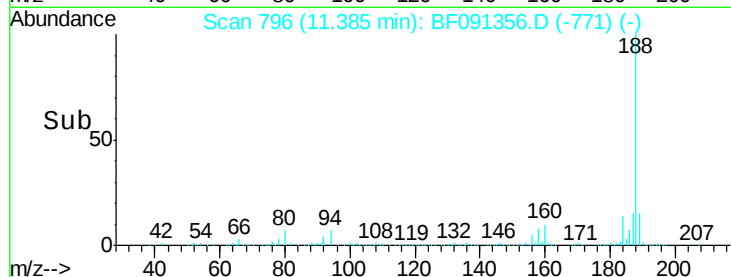
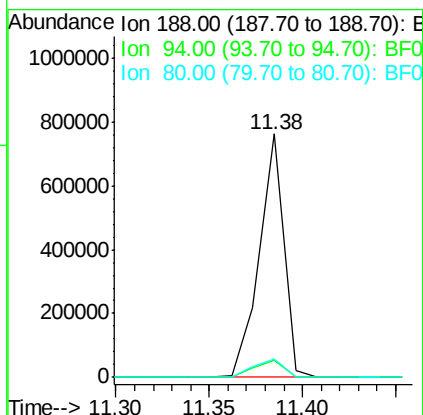
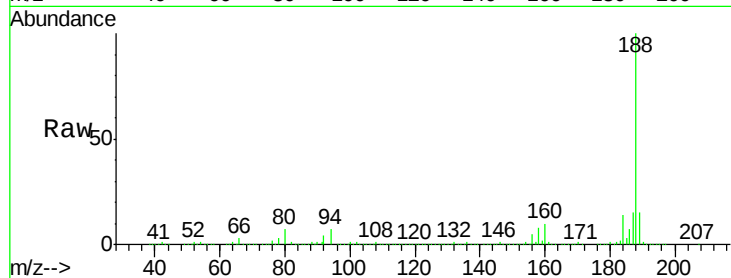




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091356.D
Acq: 30 Nov 2016 16:05

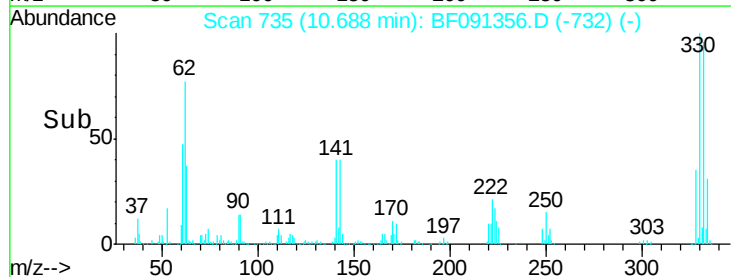
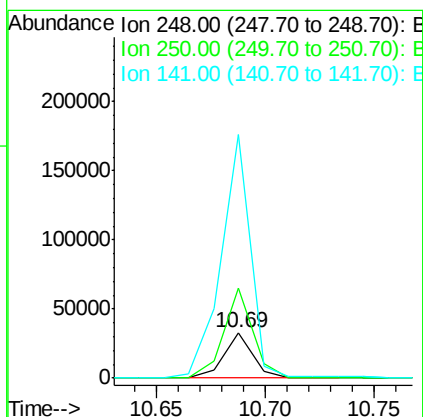
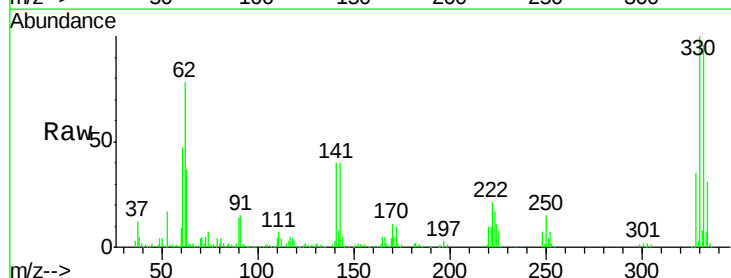
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-4

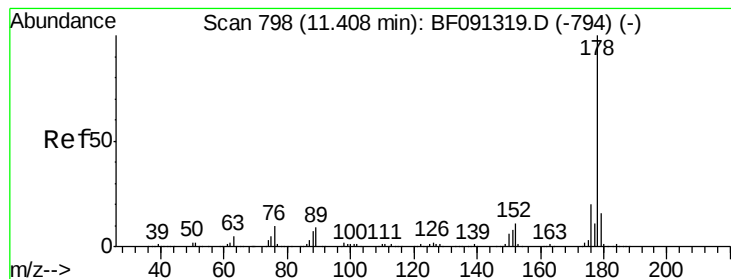
Tgt Ion:188 Resp: 690876
Ion Ratio Lower Upper
188 100
94 7.0 9.2 13.8#
80 7.3 10.5 15.7#



#66
4-Bromophenyl-phenylether
Concen: 4.11 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF091356.D
Acq: 30 Nov 2016 16:05

Tgt Ion:248 Resp: 30537
Ion Ratio Lower Upper
248 100
250 197.6 78.2 117.4#
141 538.0 71.9 107.9#





#70

Phenanthrene

Concen: 12.03 ng

RT: 11.41 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

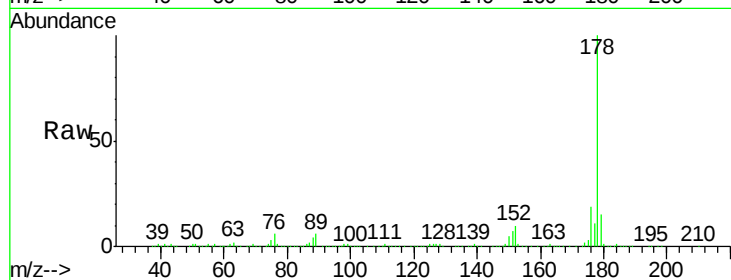
Tgt Ion:178 Resp: 431713

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

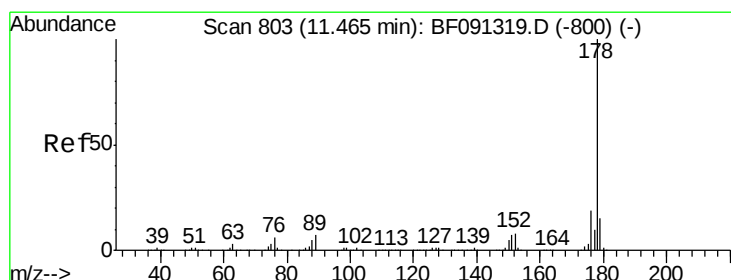
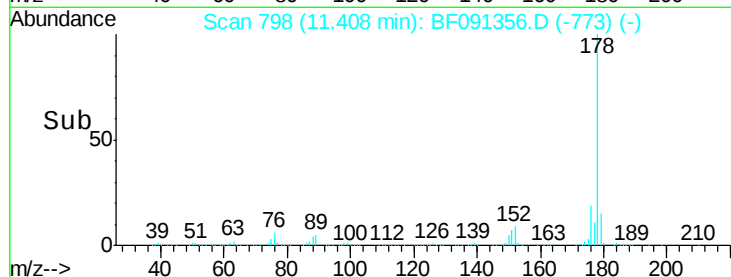
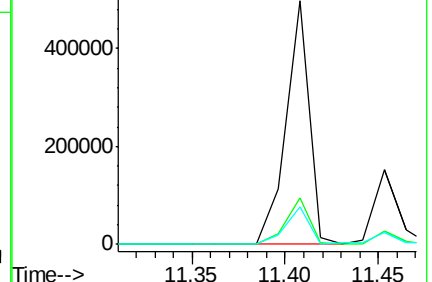
179 15.4 12.6 18.8



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



#71

Anthracene

Concen: 3.73 ng

RT: 11.45 min Scan# 802

Delta R.T. -0.03 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

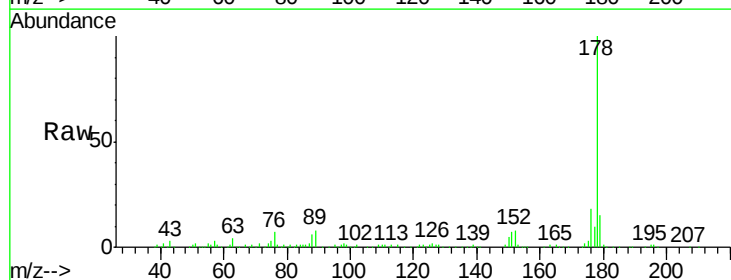
Tgt Ion:178 Resp: 132734

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.6

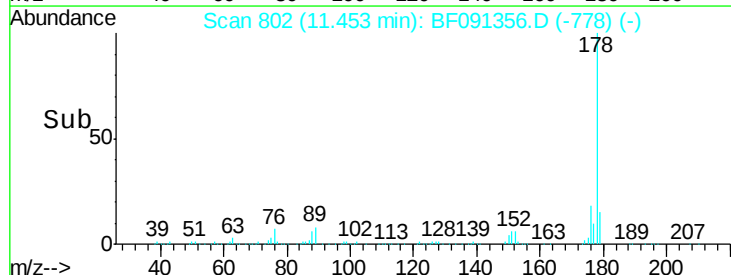
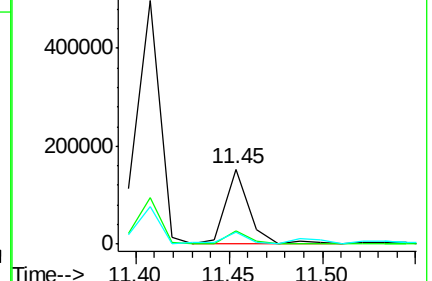
179 15.4 12.7 19.1

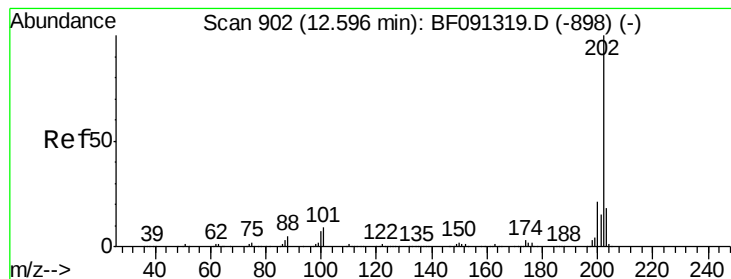


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.49 ng

RT: 12.60 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

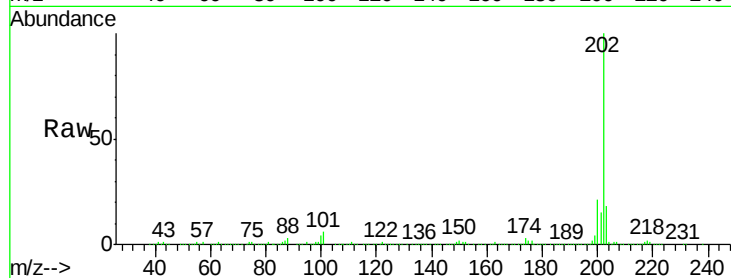
Tgt Ion:202 Resp: 628798

Ion Ratio Lower Upper

202 100

101 6.2 0.0 29.5

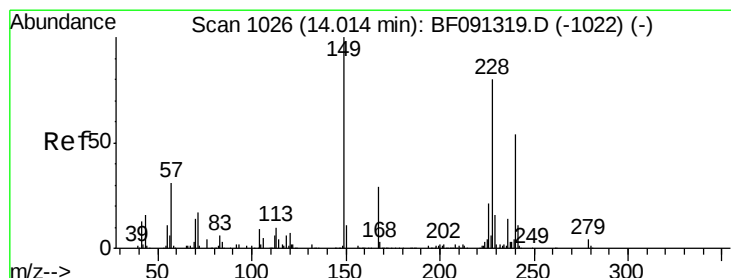
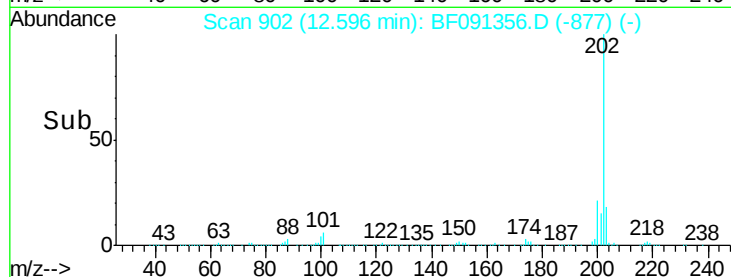
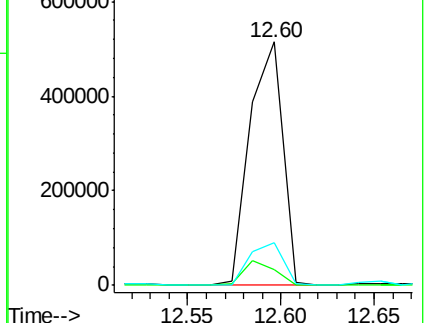
203 17.7 0.0 37.8



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: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

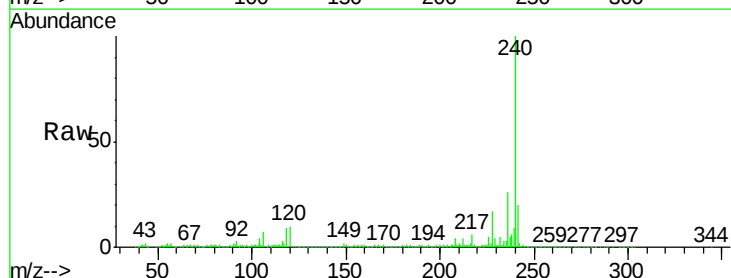
Tgt Ion:240 Resp: 518411

Ion Ratio Lower Upper

240 100

120 10.1 12.1 18.1#

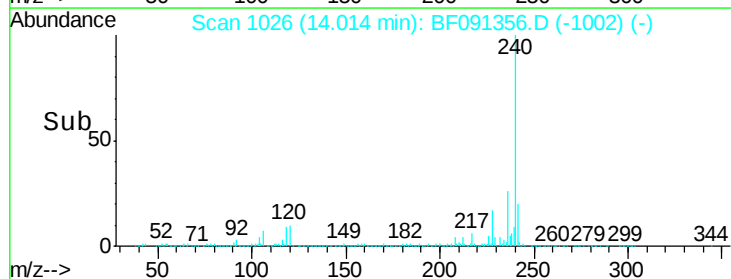
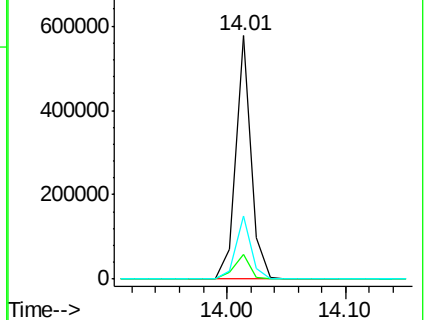
236 26.1 21.0 31.6

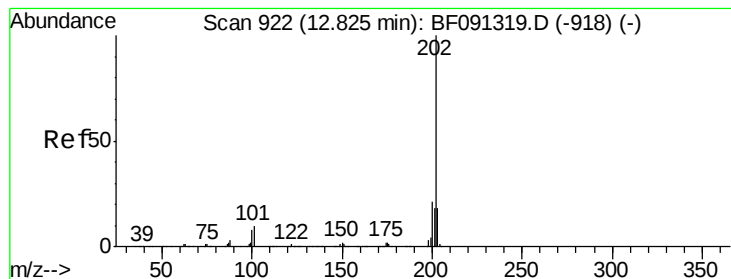


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.70 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.03 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

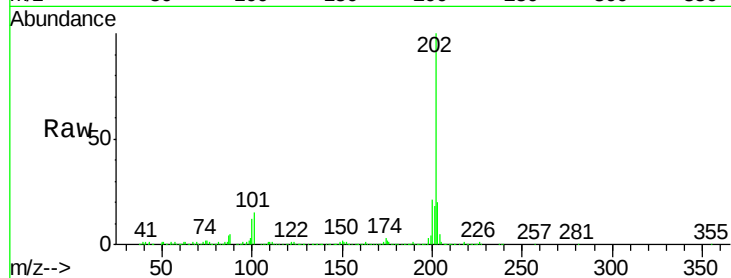
Tgt Ion:202 Resp: 538806

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

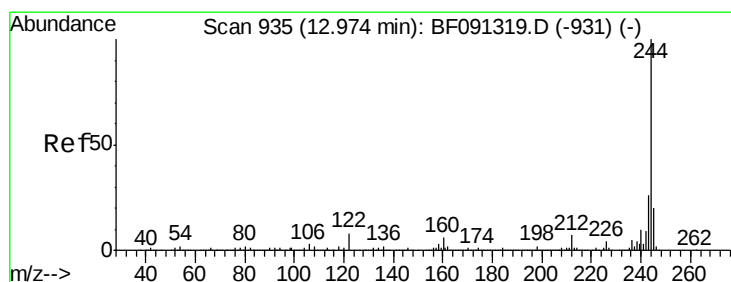
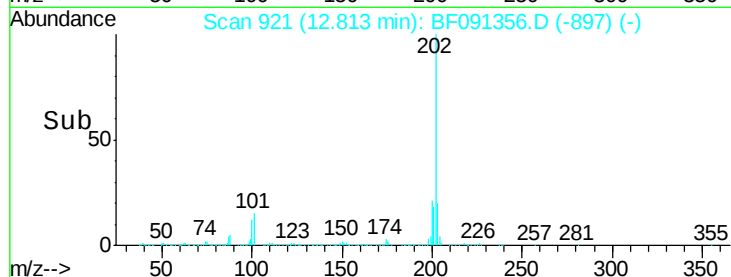
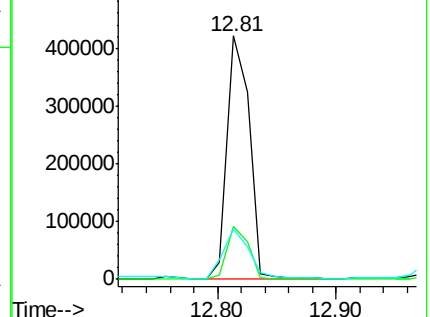
203 20.5 14.0 21.0



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: 73.51 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

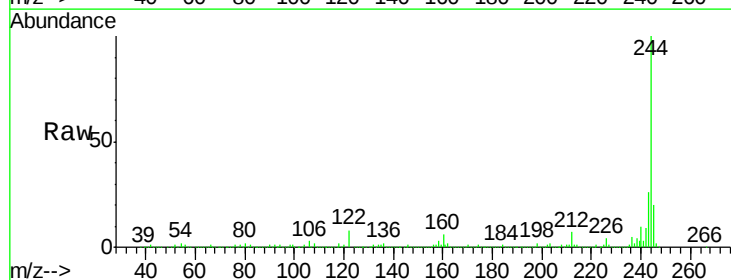
Tgt Ion:244 Resp: 1753367

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

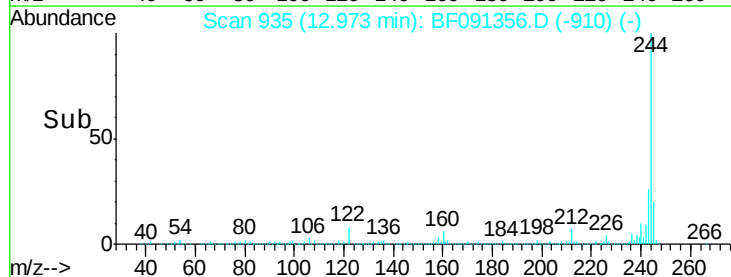
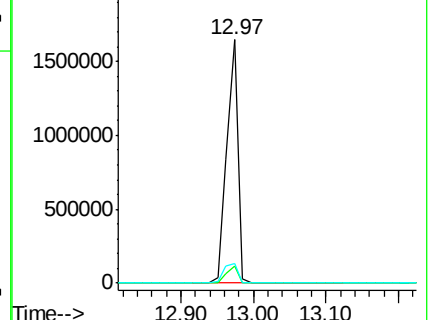
122 7.9 9.5 14.3#

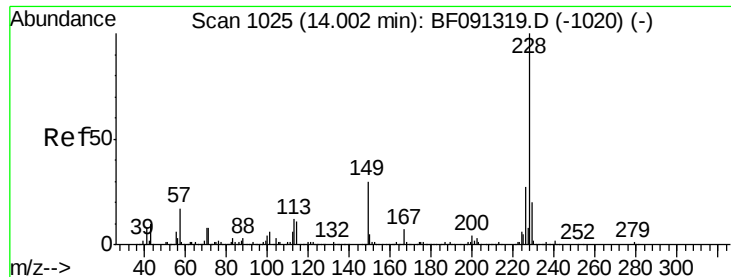


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.93 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

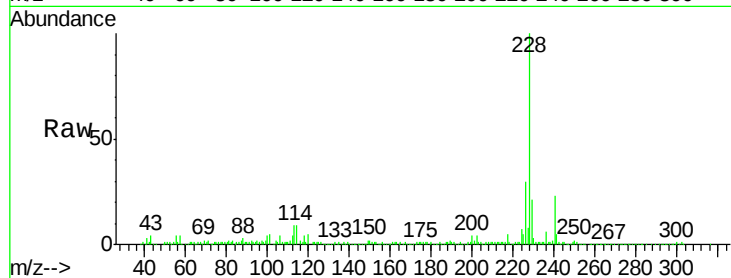
Tgt Ion:228 Resp: 361807

Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

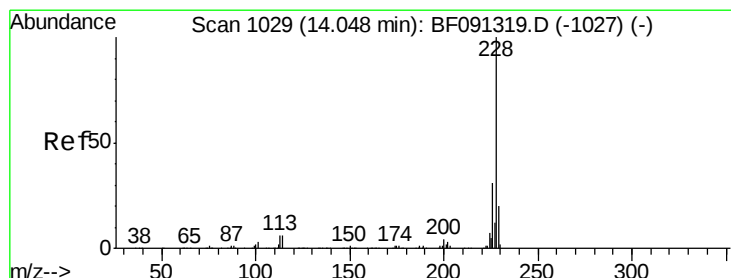
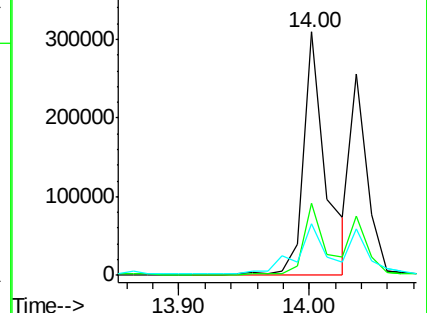
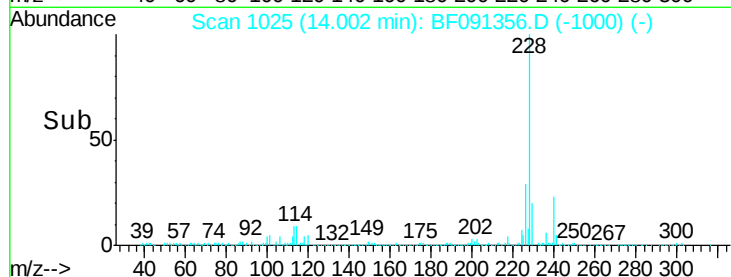
229 20.9 16.4 24.6



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: 7.67 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

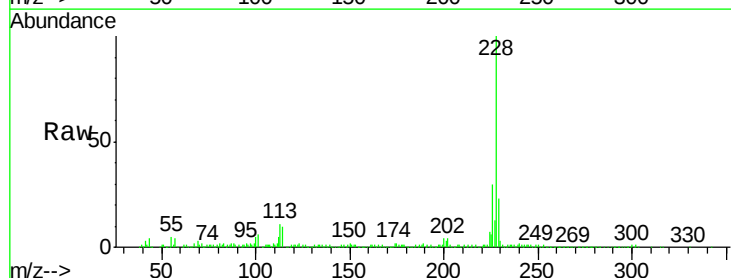
Tgt Ion:228 Resp: 230208

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.4

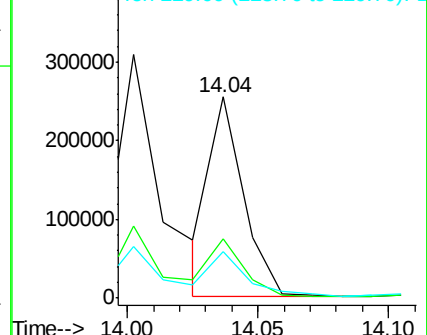
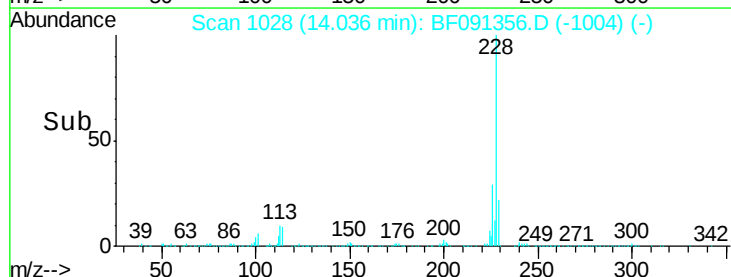
229 23.2 16.0 24.0

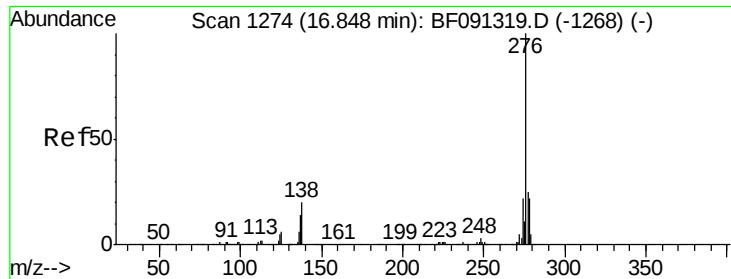


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

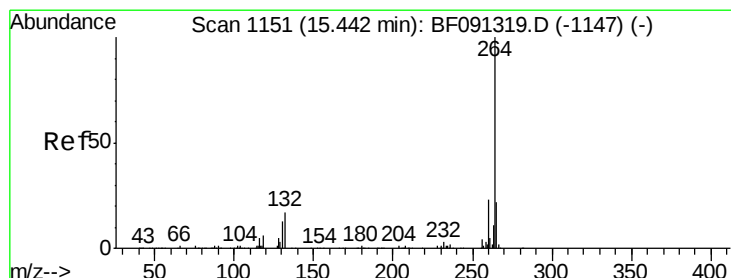
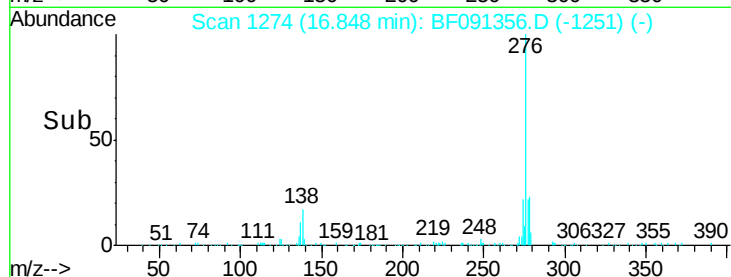
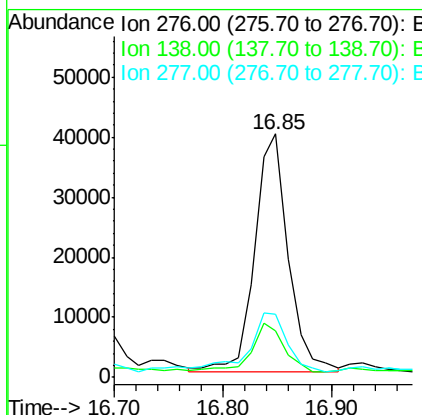
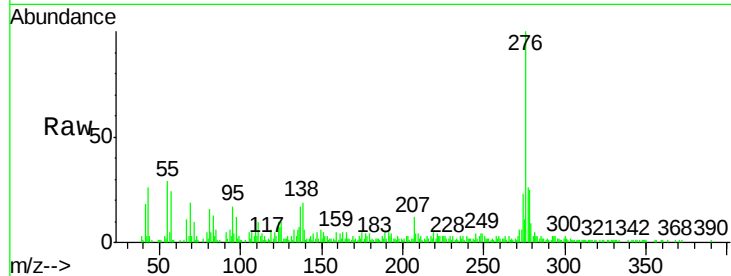




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.10 ng
 RT: 16.85 min Scan# 1274
 Delta R.T. -0.04 min
 Lab File: BF091356.D
 Acq: 30 Nov 2016 16:05

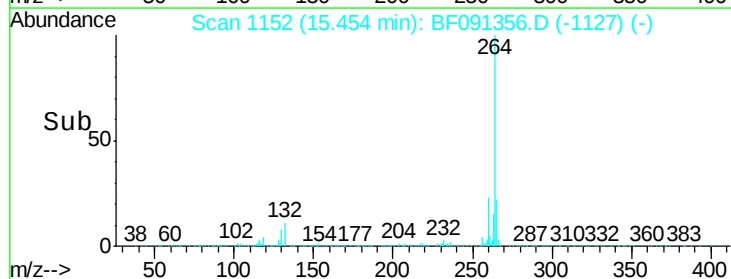
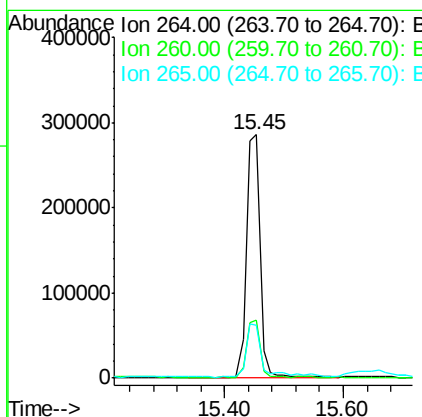
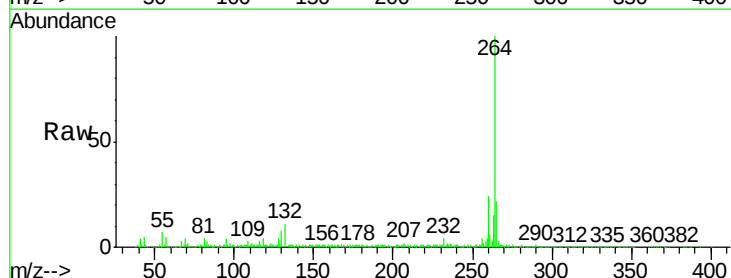
Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-4

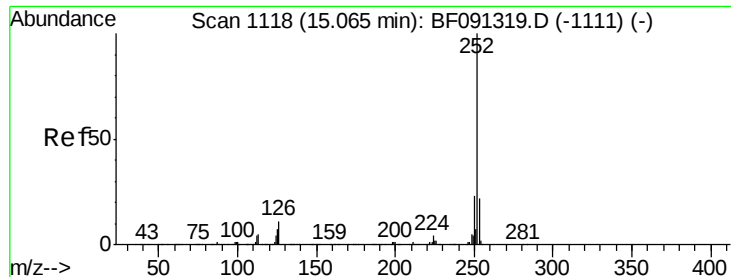
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	21.0	31.4#
277	30.2	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BF091356.D
 Acq: 30 Nov 2016 16:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.9	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 13.66 ng

RT: 15.03 min Scan# 1115

Delta R.T. -0.03 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

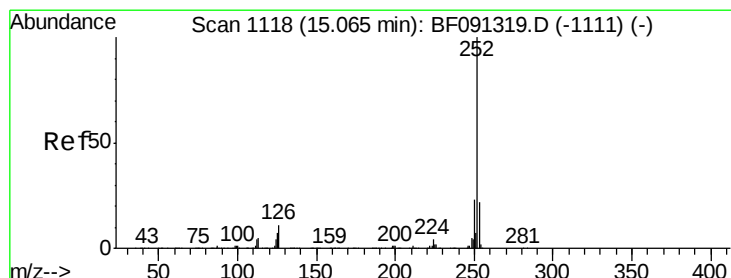
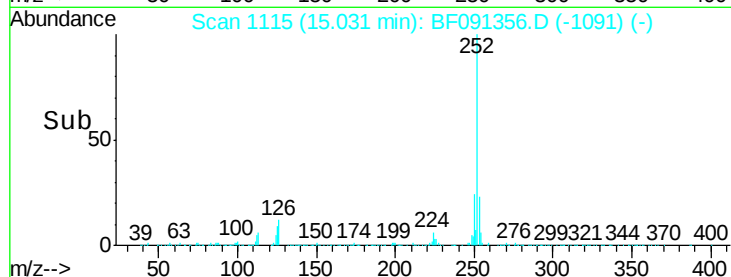
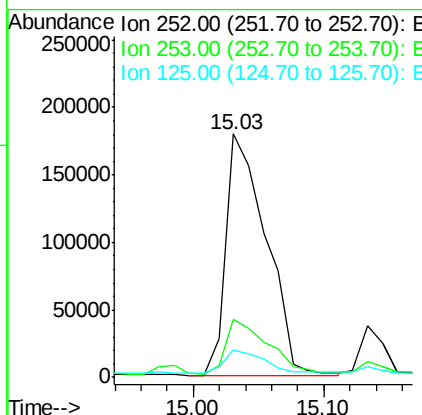
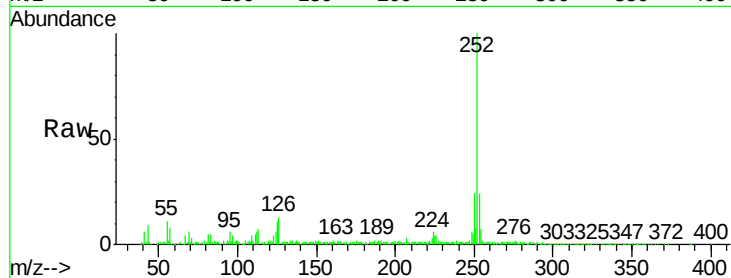
Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

Tgt Ion:	252	Resp:	383789
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	11.1	8.6	13.0



#88

Benzo(k)fluoranthene

Concen: 16.25 ng

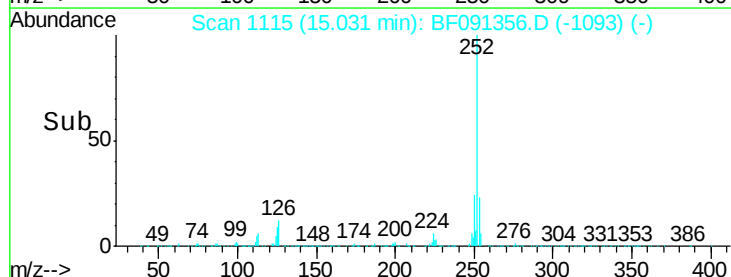
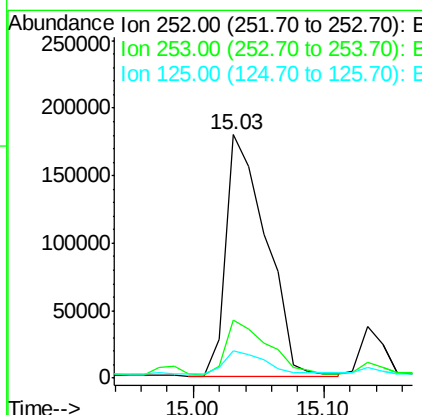
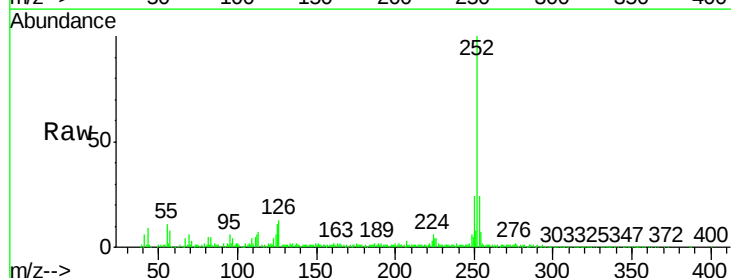
RT: 15.03 min Scan# 1115

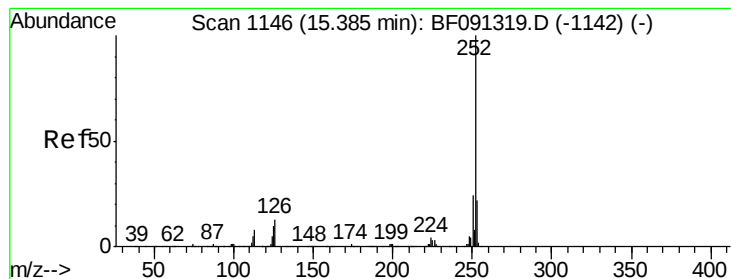
Delta R.T. -0.05 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Tgt Ion:	252	Resp:	383789
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	11.1	9.6	14.4





#89

Benzo(a)pyrene

Concen: 5.28 ng

RT: 15.33 min Scan# 1141

Delta R.T. -0.09 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-4

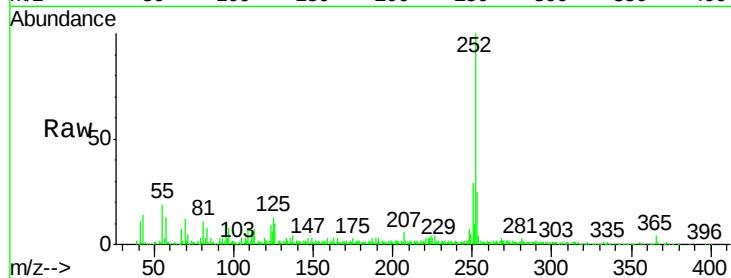
Tgt Ion:252 Resp: 133121

Ion Ratio Lower Upper

252 100

253 25.1 18.2 27.4

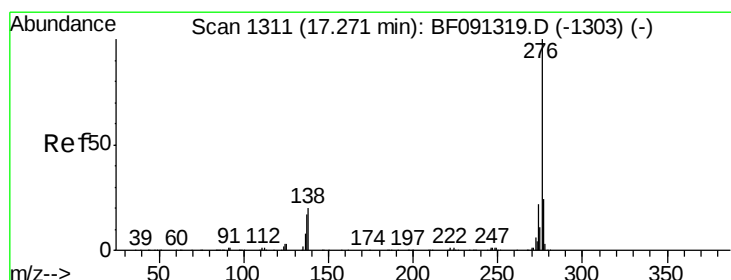
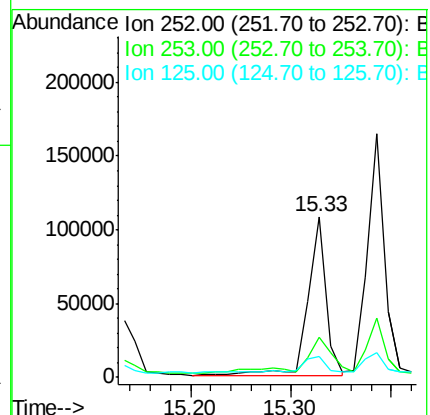
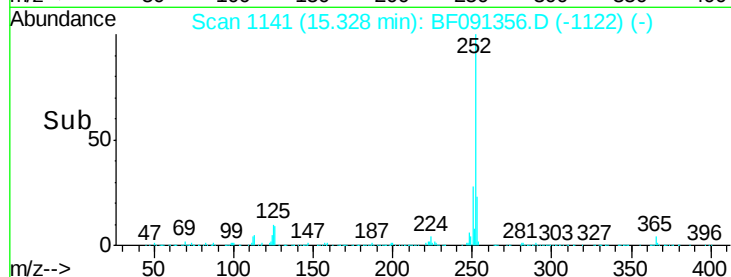
125 13.3 10.4 15.6



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: 3.08 ng

RT: 17.26 min Scan# 1310

Delta R.T. -0.05 min

Lab File: BF091356.D

Acq: 30 Nov 2016 16:05

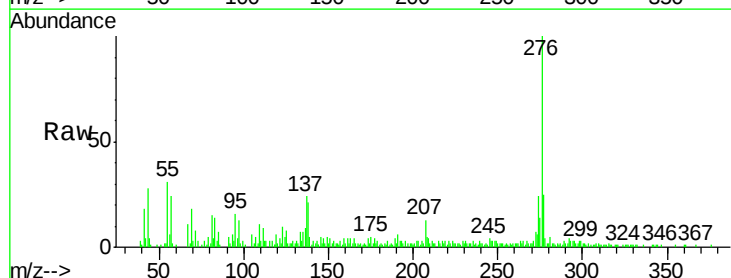
Tgt Ion:276 Resp: 74081

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 21.5 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

