

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
 Data File : BF091300.D
 Acq On : 24 Nov 2016 2:55
 Operator : UM/SJ
 Sample : H5749-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

Quant Time: Nov 24 05:15:19 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	196207	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	832090	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	365495	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	535185	20.00	ng	0.00
75) Chrysene-d12	14.04	240	502313	20.00	ng	0.00
86) Perylene-d12	15.48	264	357873	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1274524	104.37	ng	0.01
7) Phenol-d6	6.51	99	1483985	94.58	ng	0.01
23) Nitrobenzene-d5	7.45	82	1036420	71.71	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	310036	84.12	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1554789	69.65	ng	0.00
78) Terphenyl-d14	12.99	244	1191011	54.15	ng	0.00

Target Compounds

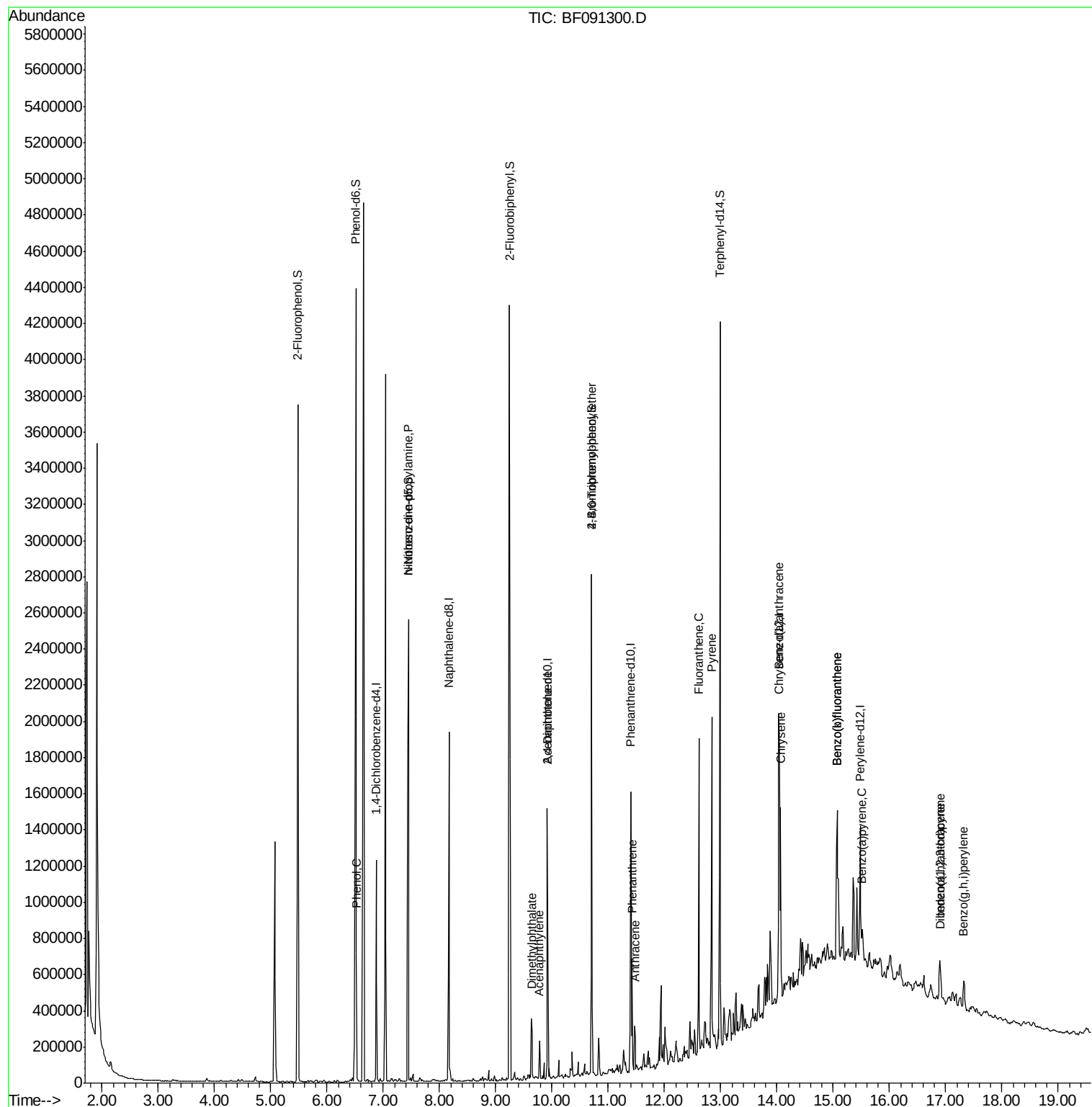
						Qvalue
9) Benzaldehyde	6.42	77	1844	Below Cal		86
10) Phenol	6.52	94	127889	7.31 ng		88
19) n-Nitroso-di-n-propylamine	7.45	70	140329	14.26 ng	#	67
48) Acenaphthylene	9.78	152	83239	2.69 ng		98
49) Dimethylphthalate	9.64	163	168412	7.38 ng		98
56) 2,4-Dinitrotoluene	9.92	165	47655	7.55 ng	#	34
66) 4-Bromophenyl-phenylether	10.70	248	19316	3.30 ng	#	1
70) Phenanthrene	11.42	178	216028	7.78 ng		99
71) Anthracene	11.47	178	133456	4.70 ng		99
74) Fluoranthene	12.61	202	664246	23.52 ng		99
77) Pyrene	12.84	202	745808	20.09 ng		99
80) Benzo(a)anthracene	14.03	228	434762	15.25 ng		96
82) Chrysene	14.07	228	458558	17.02 ng		97
85) Indeno(1,2,3-cd)pyrene	16.90	276	151739	6.54 ng	#	91
87) Benzo(b)fluoranthene	15.07	252	667195	29.55 ng		98
88) Benzo(k)fluoranthene	15.07	252	667195	36.18 ng		97
89) Benzo(a)pyrene	15.52	252	68439	3.56 ng		95
90) Dibenzo(a,h)anthracene	16.91	278	40764	2.30 ng	#	87
91) Benzo(g,h,i)perylene	17.32	276	141432	8.04 ng		98

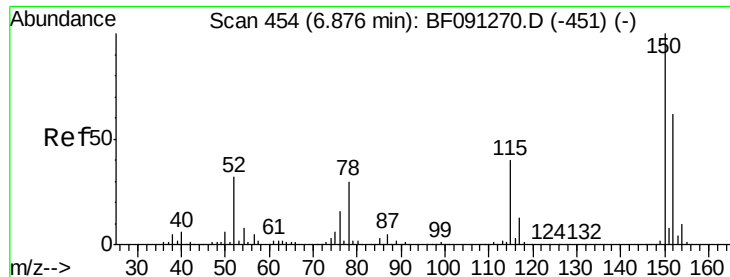
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

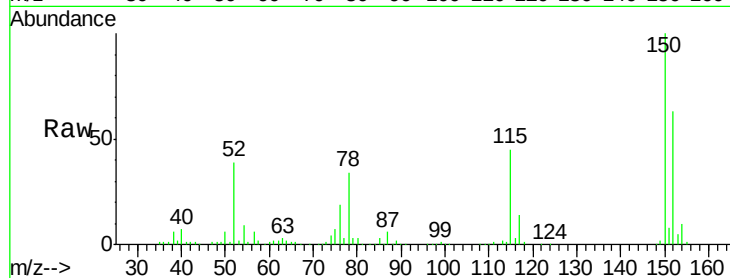
Tgt Ion:152 Resp: 196207

Ion Ratio Lower Upper

152 100

150 157.6 122.5 183.7

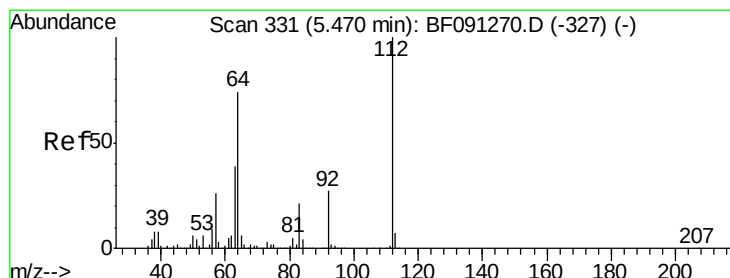
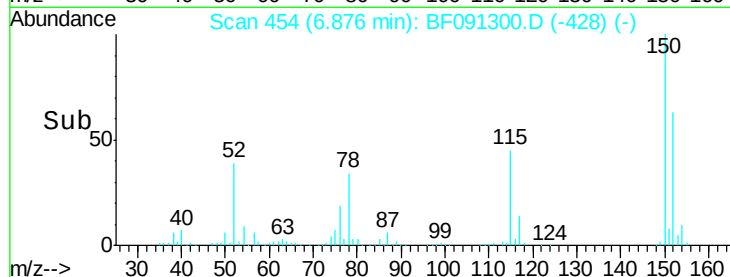
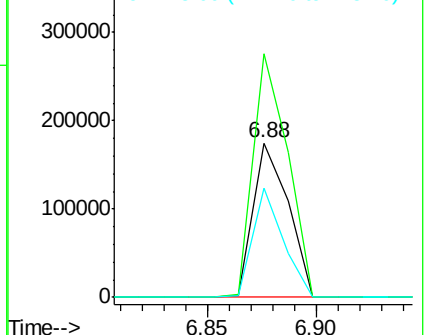
115 70.8 51.8 77.8



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: 104.37 ng

RT: 5.48 min Scan# 332

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

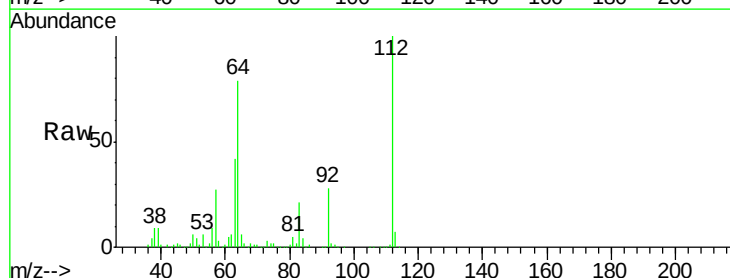
Tgt Ion:112 Resp: 1274524

Ion Ratio Lower Upper

112 100

64 78.5 61.5 92.3

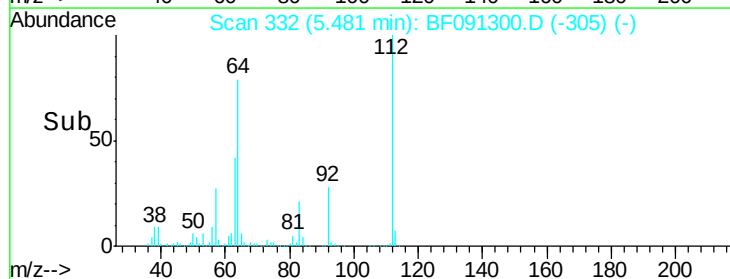
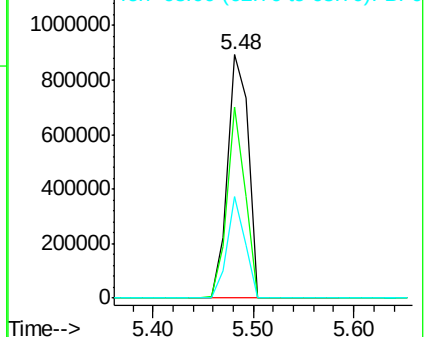
63 41.8 33.3 49.9

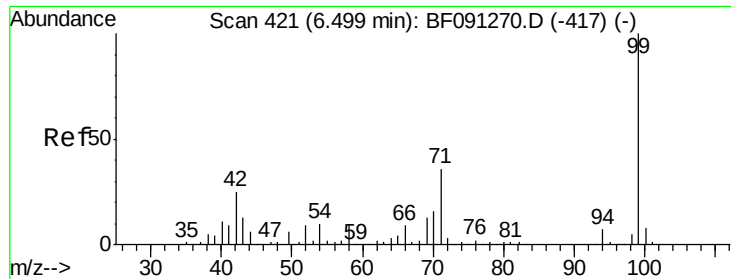


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.58 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

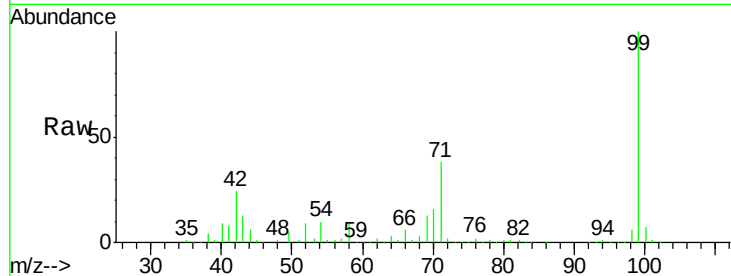
Tgt Ion: 99 Resp: 1483985

Ion Ratio Lower Upper

99 100

42 24.0 20.6 31.0

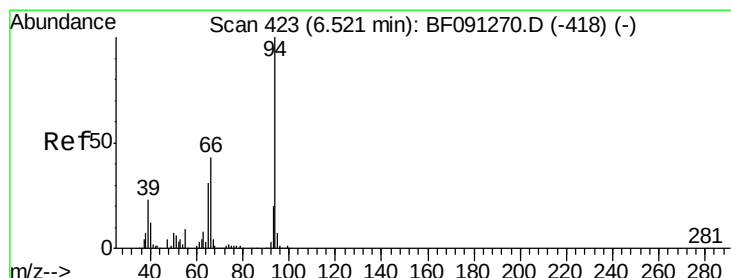
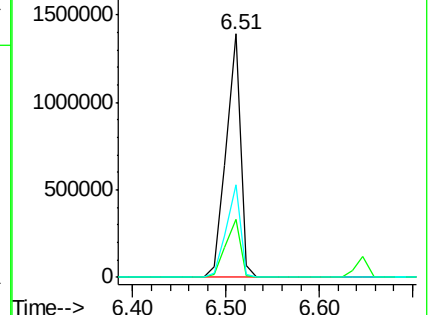
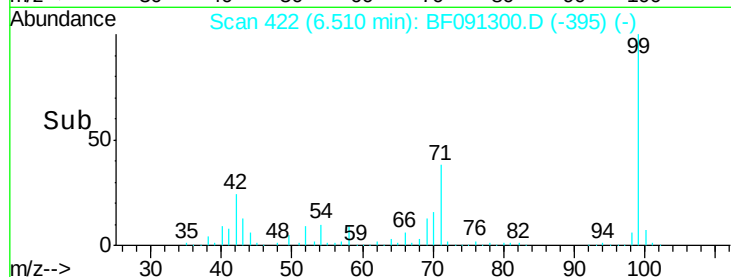
71 37.8 29.9 44.9



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



#10

Phenol

Concen: 7.31 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

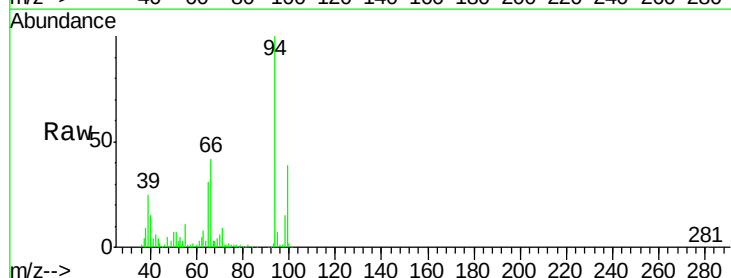
Tgt Ion: 94 Resp: 127889

Ion Ratio Lower Upper

94 100

65 30.5 16.9 56.9

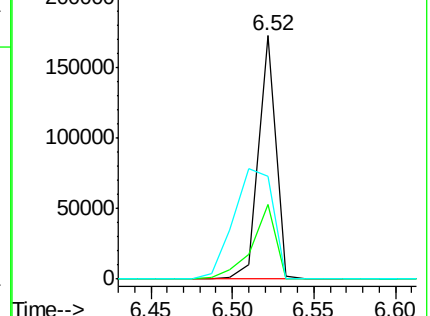
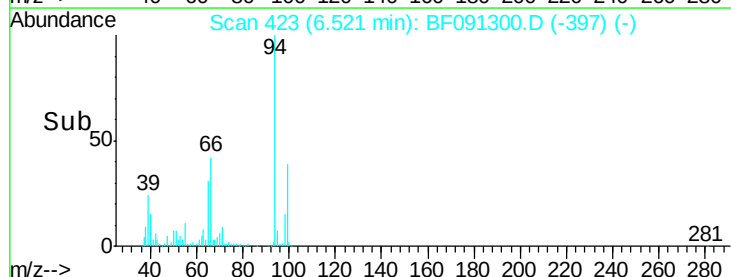
66 42.0 30.6 70.6

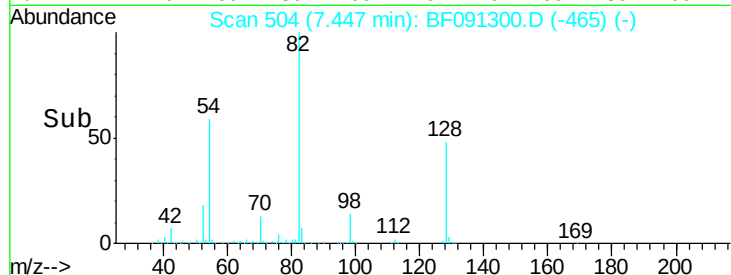
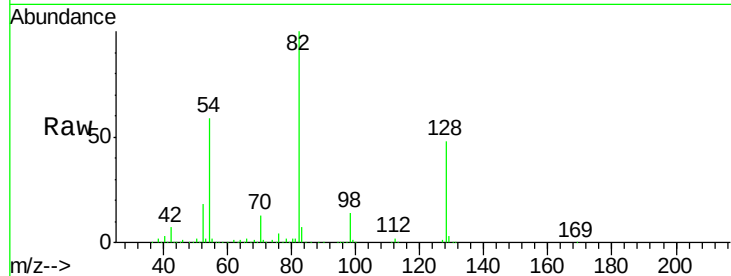
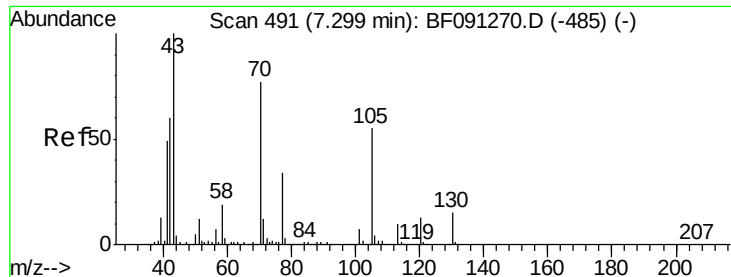


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

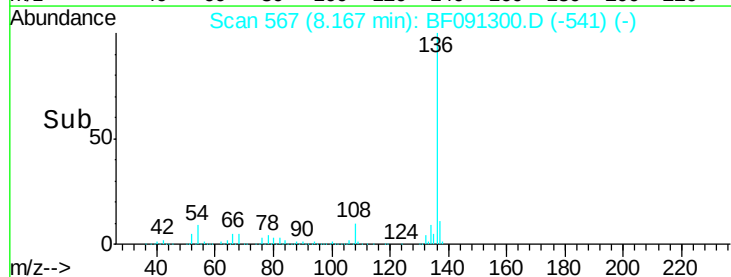
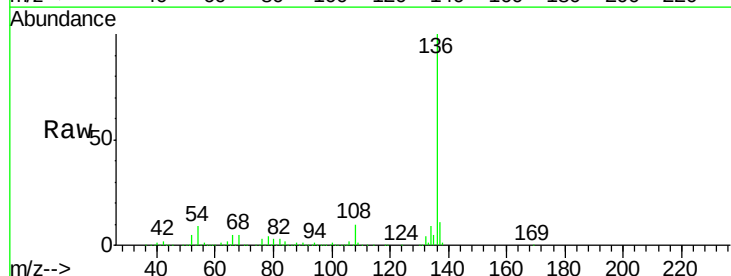
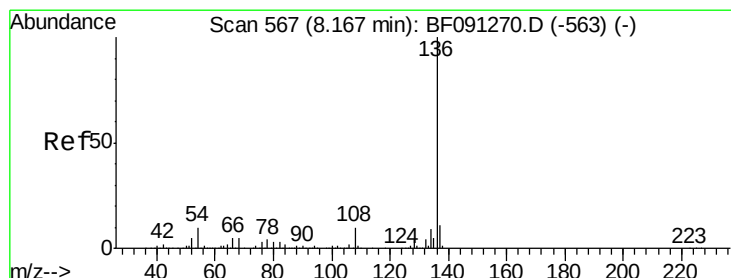
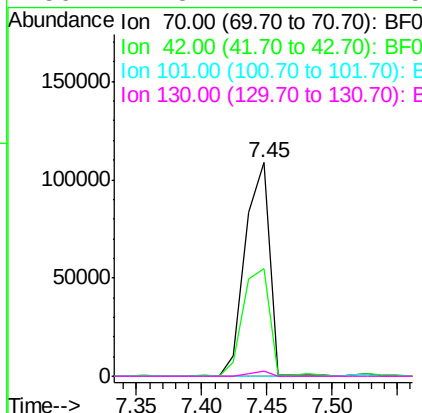




#19
n-Nitroso-di-n-propylamine
Concen: 14.26 ng
RT: 7.45 min Scan# 504
Delta R.T. 0.15 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

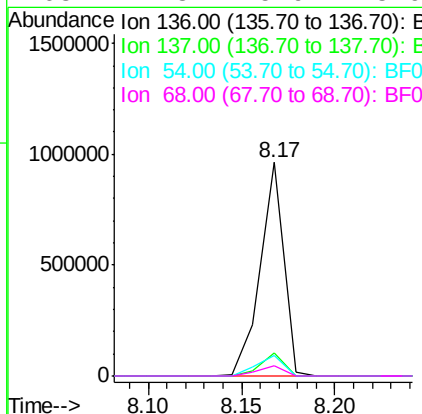
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-2

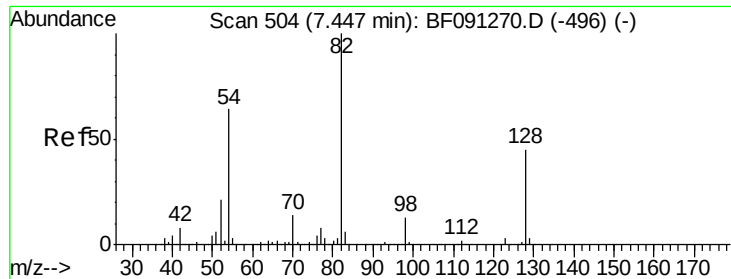
Tgt Ion: 70 Resp: 140329
Ion Ratio Lower Upper
70 100
42 50.6 64.8 97.2#
101 0.0 6.2 9.4#
130 2.3 11.7 17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Tgt Ion: 136 Resp: 832090
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 9.4 9.1 13.7
68 4.8 5.9 8.9#

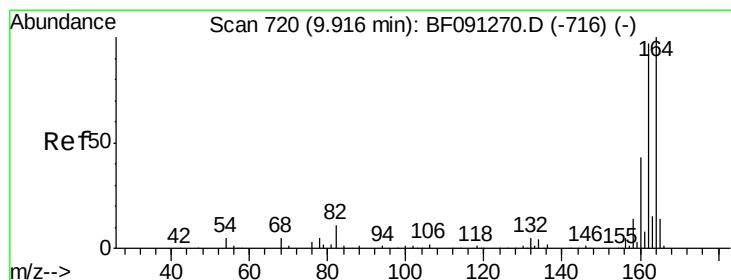
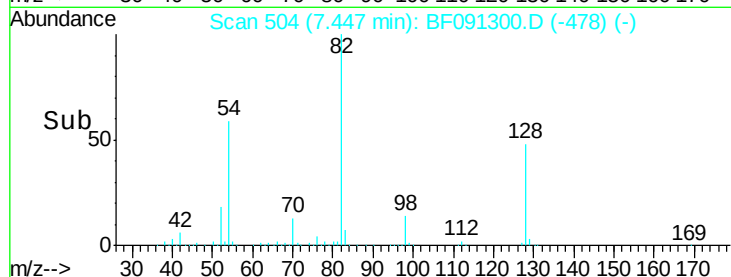
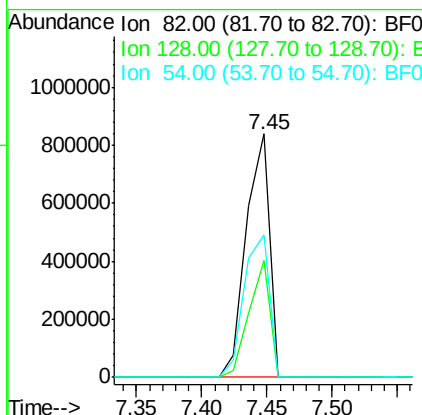
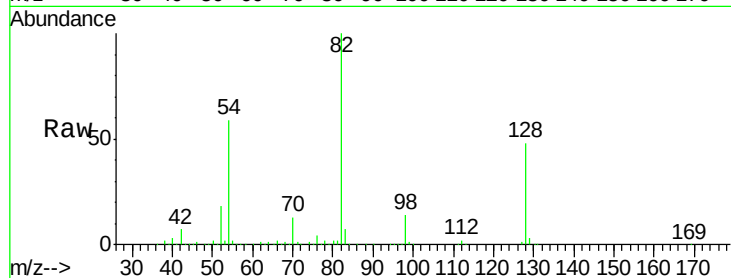




#23
 Nitrobenzene-d5
 Concen: 71.71 ng
 RT: 7.45 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

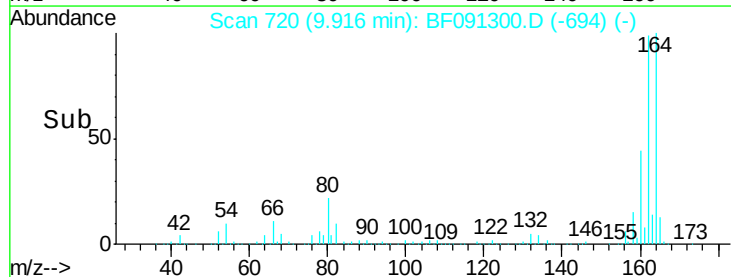
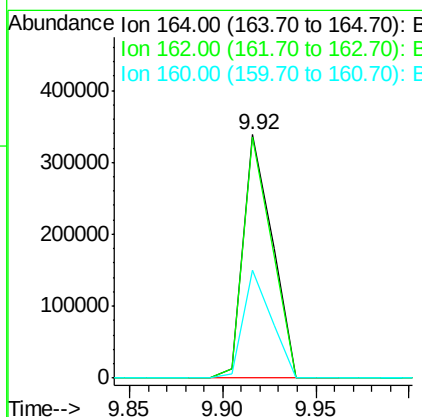
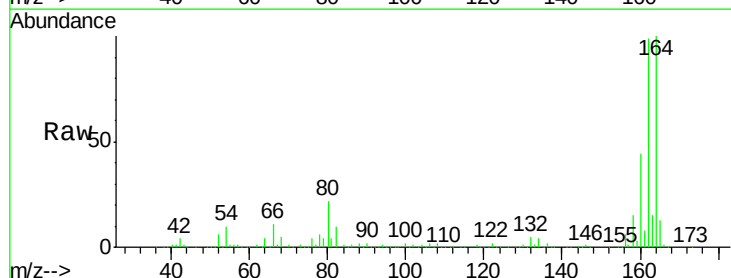
Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

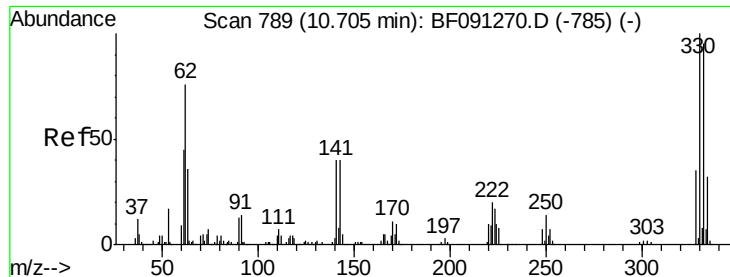
Tgt Ion: 82 Resp: 1036420
 Ion Ratio Lower Upper
 82 100
 128 48.0 31.8 47.6#
 54 58.7 49.1 73.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Tgt Ion: 164 Resp: 365495
 Ion Ratio Lower Upper
 164 100
 162 99.1 82.6 124.0
 160 44.3 36.7 55.1

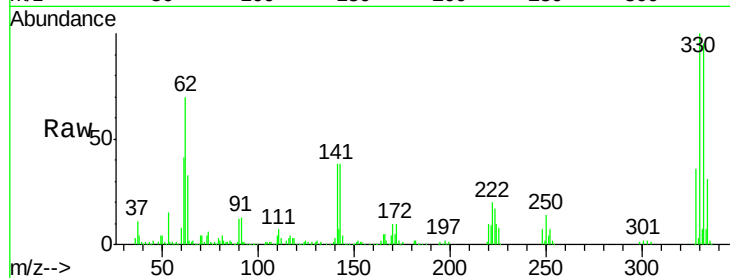




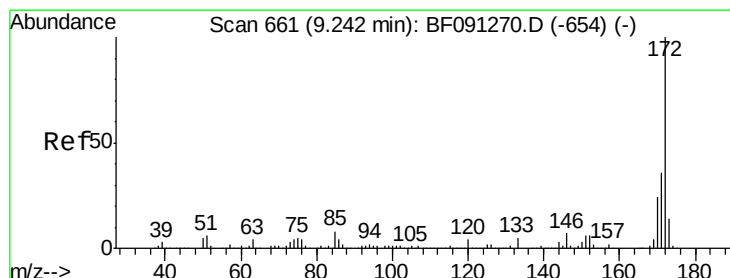
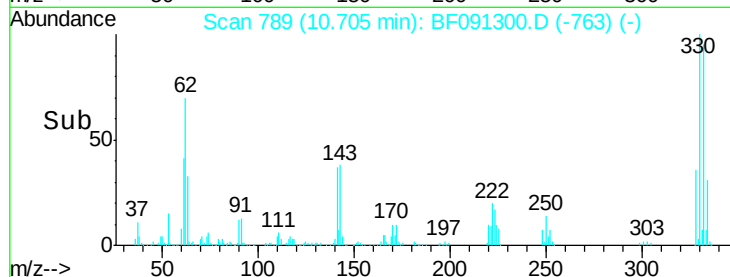
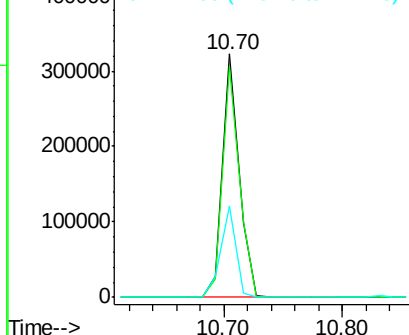
#41
 2,4,6-Tribromophenol
 Concen: 84.12 ng
 RT: 10.70 min Scan# 789
 Delta R.T. -0.00 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

Tgt Ion:330 Resp: 310036
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 34.2 33.6 50.4

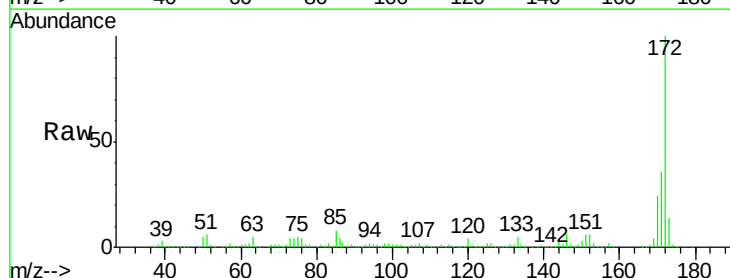


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

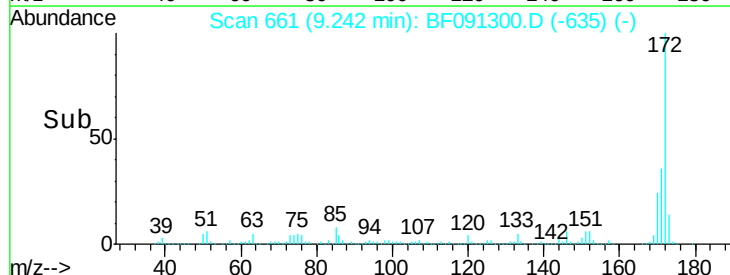
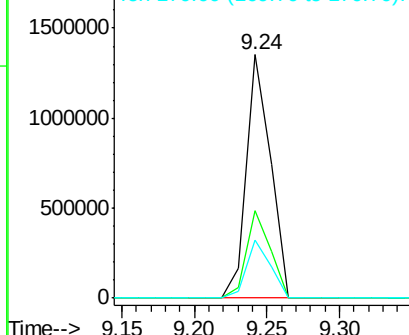


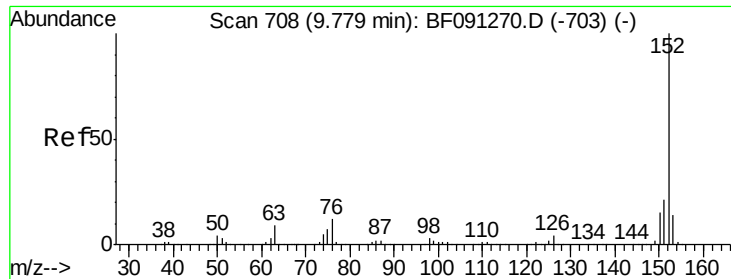
#44
 2-Fluorobiphenyl
 Concen: 69.65 ng
 RT: 9.24 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Tgt Ion:172 Resp: 1554789
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 24.0 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





#48

Acenaphthylene

Concen: 2.69 ng

RT: 9.78 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

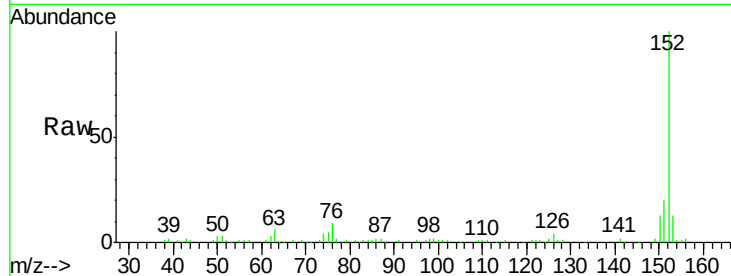
Tgt Ion:152 Resp: 83239

Ion Ratio Lower Upper

152 100

151 19.6 16.6 24.8

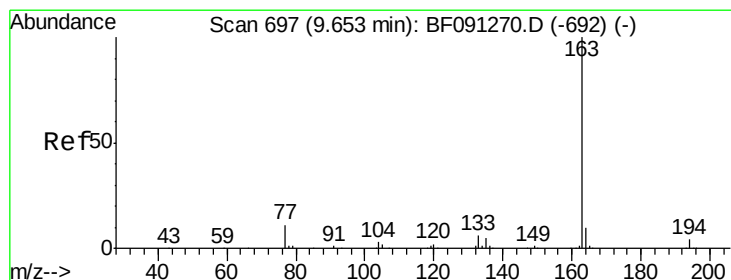
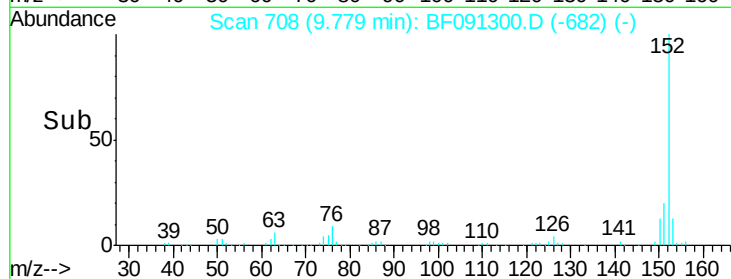
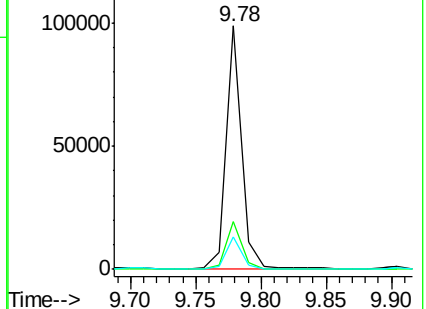
153 13.1 10.7 16.1



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: 7.38 ng

RT: 9.64 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

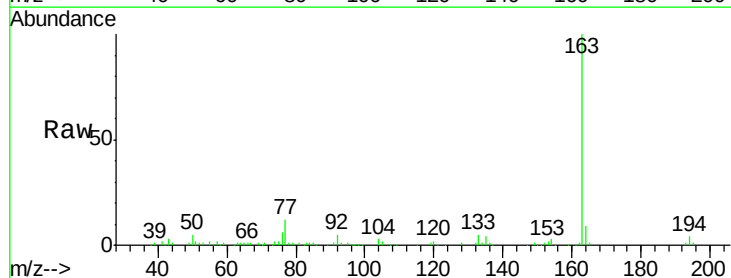
Tgt Ion:163 Resp: 168412

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.4

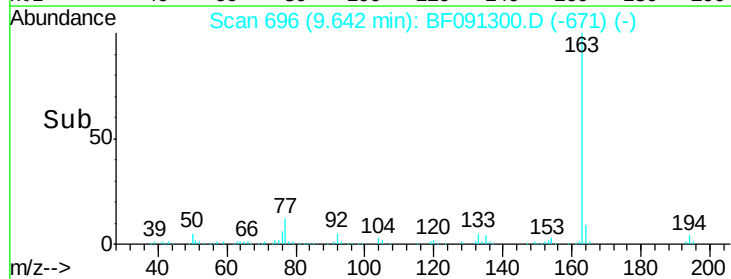
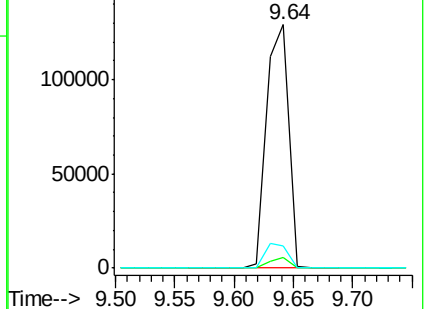
164 9.0 7.8 11.8

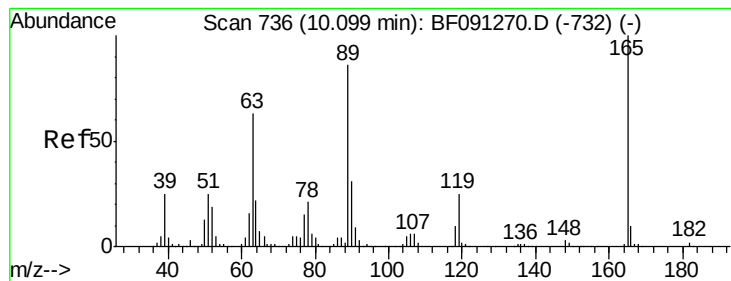


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 7.55 ng

RT: 9.92 min Scan# 720

Delta R.T. -0.18 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

Tgt Ion:165 Resp: 47655

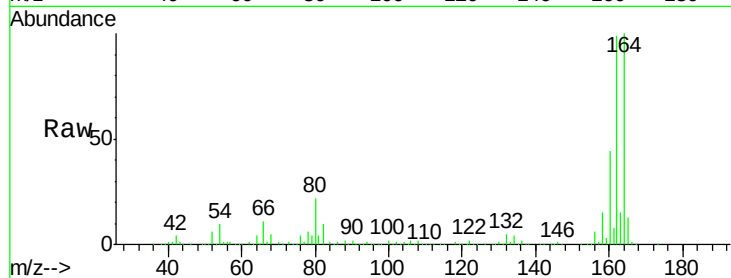
Ion Ratio Lower Upper

165 100

63 1.6 29.0 43.4#

89 1.9 43.1 64.7#

182 0.0 1.9 2.9#

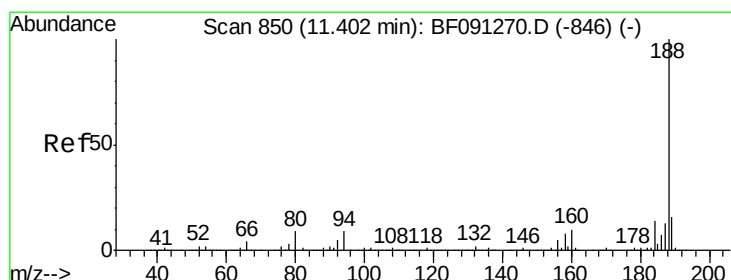
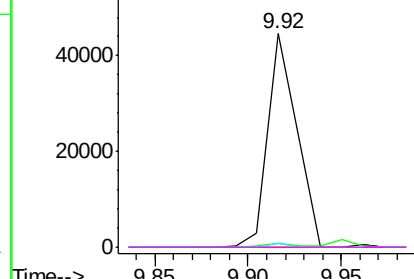
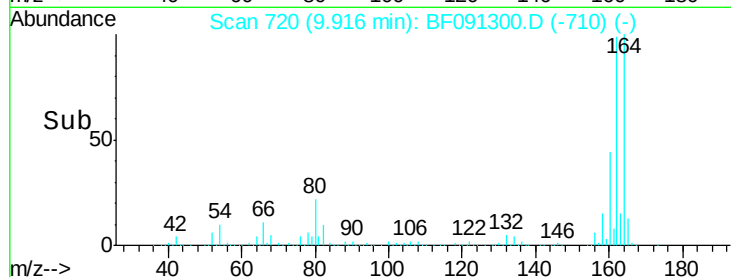


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

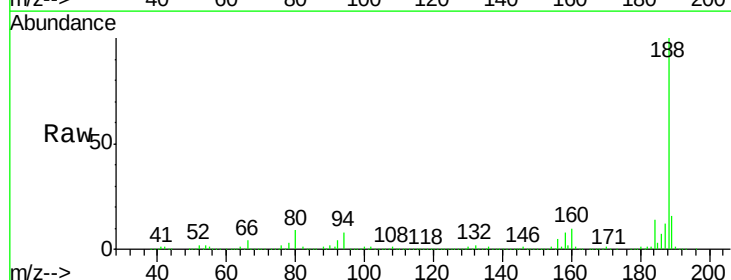
Tgt Ion:188 Resp: 535185

Ion Ratio Lower Upper

188 100

94 8.5 9.2 13.8#

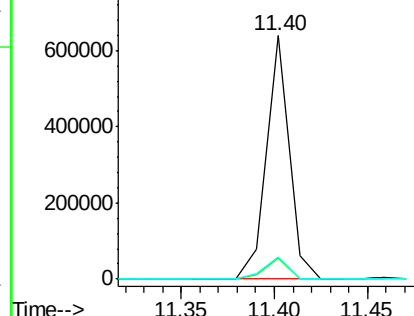
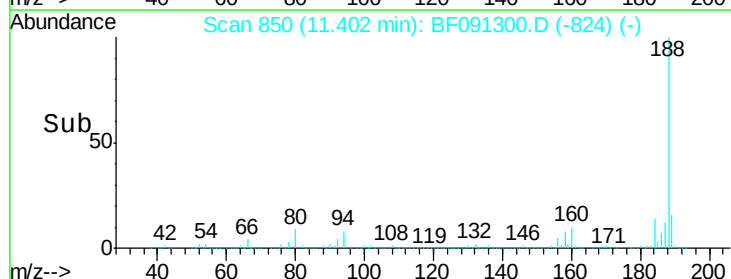
80 8.9 10.5 15.7#

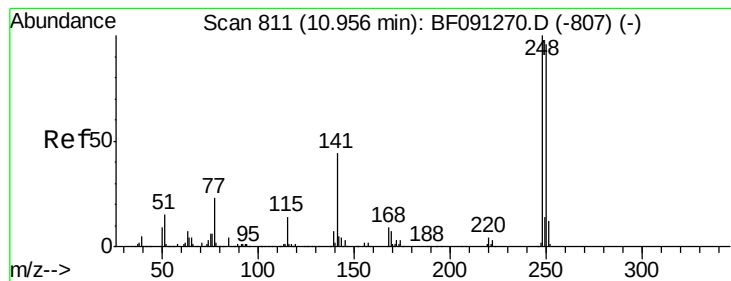


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.30 ng

RT: 10.70 min Scan# 789

Delta R.T. -0.25 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

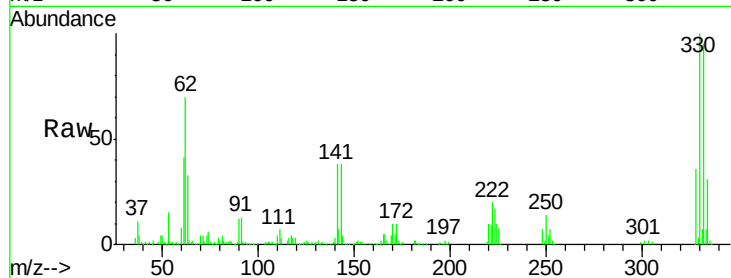
Tgt Ion:248 Resp: 19316

Ion Ratio Lower Upper

248 100

250 192.7 78.2 117.4#

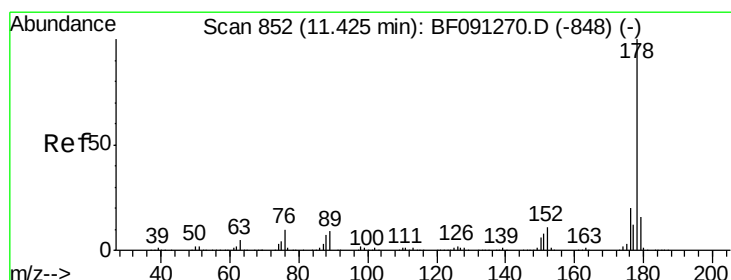
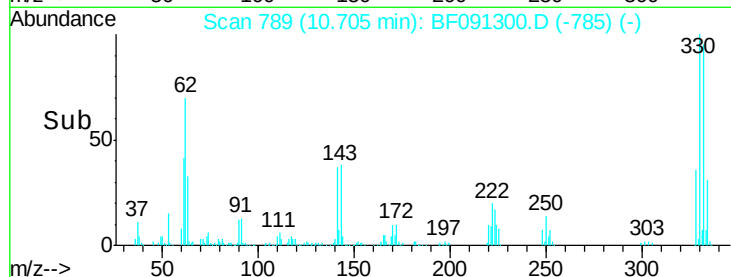
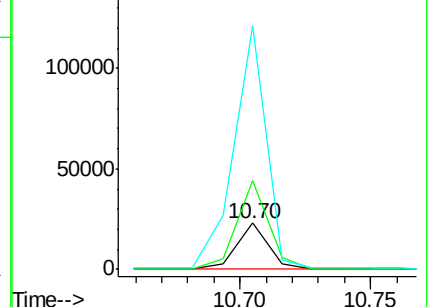
141 530.7 71.9 107.9#



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: 7.78 ng

RT: 11.42 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

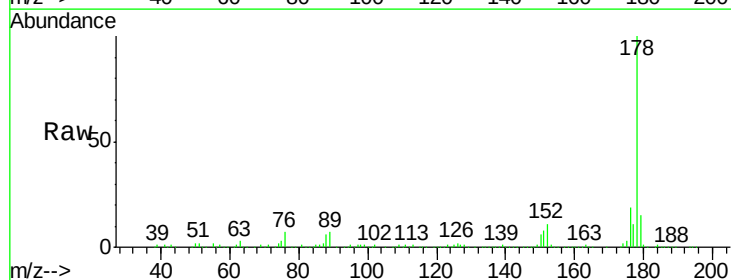
Tgt Ion:178 Resp: 216028

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

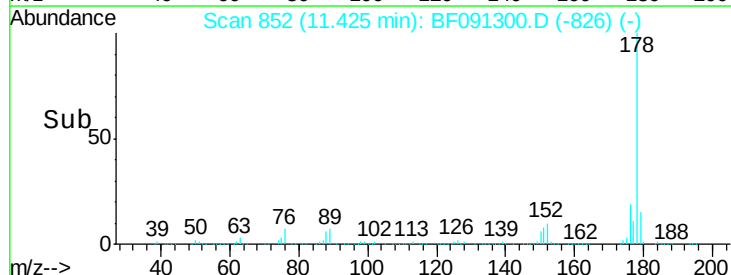
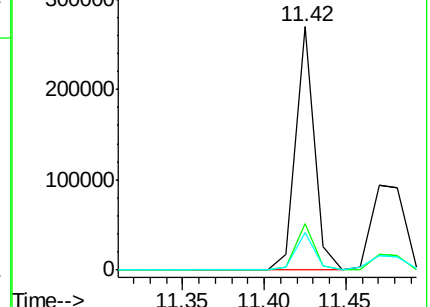
179 15.4 12.6 18.8

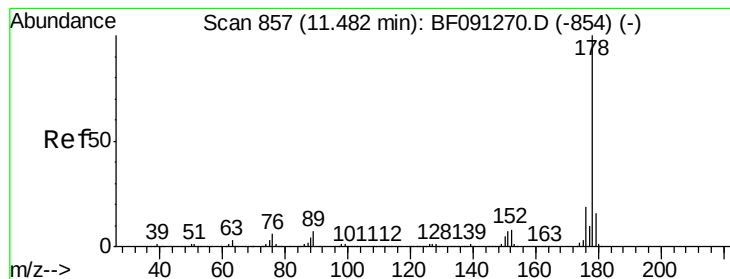


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.70 ng

RT: 11.47 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

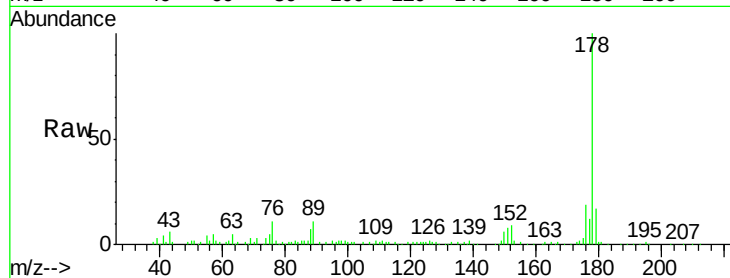
Tgt Ion:178 Resp: 133456

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

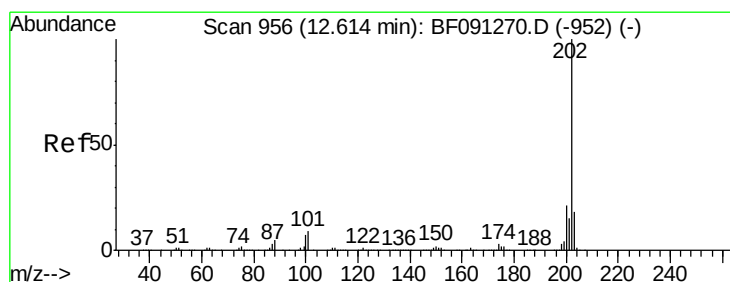
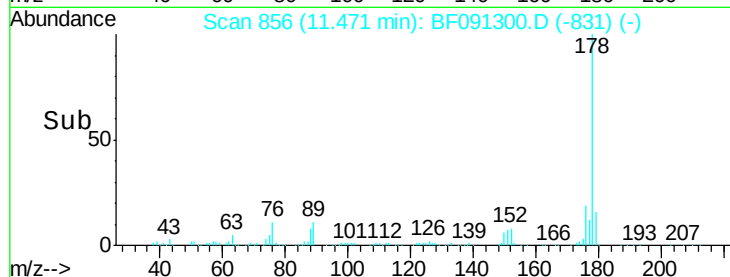
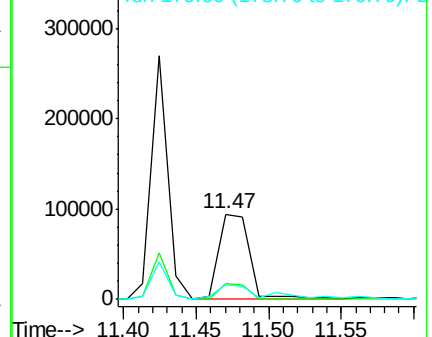
179 16.6 12.7 19.1



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: 23.52 ng

RT: 12.61 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

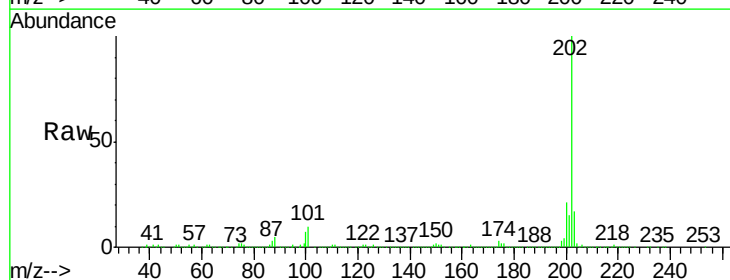
Tgt Ion:202 Resp: 664246

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.5

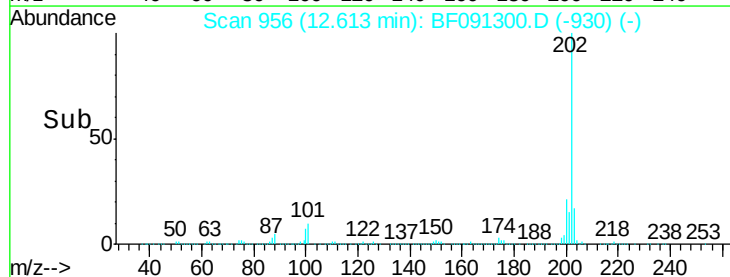
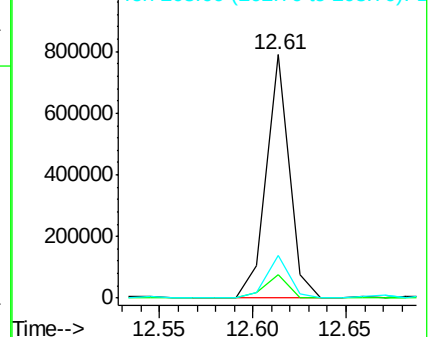
203 17.4 0.0 37.8

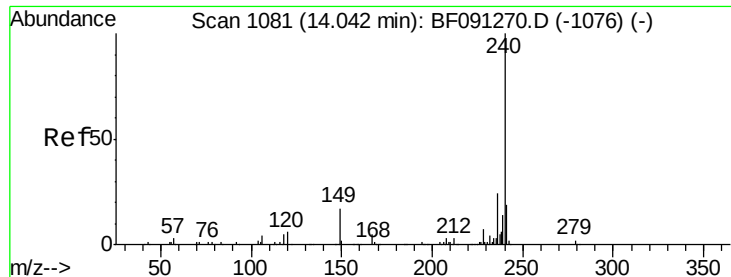


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

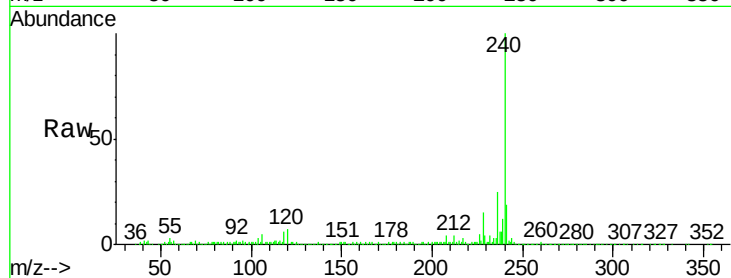
Tgt Ion:240 Resp: 502313

Ion Ratio Lower Upper

240 100

120 7.3 12.1 18.1#

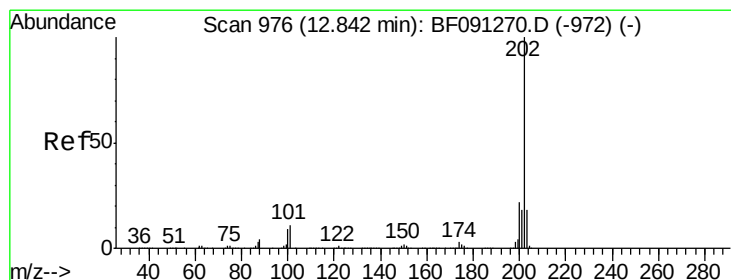
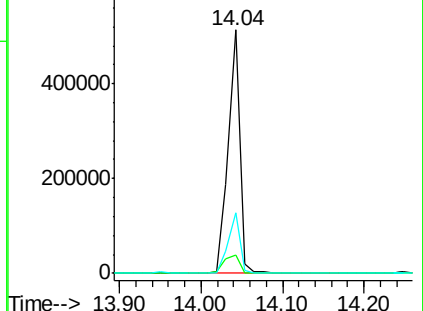
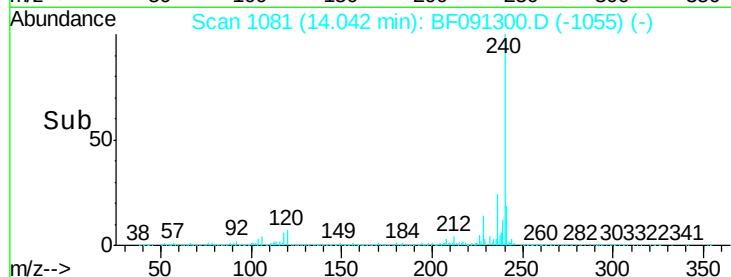
236 24.6 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.09 ng

RT: 12.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

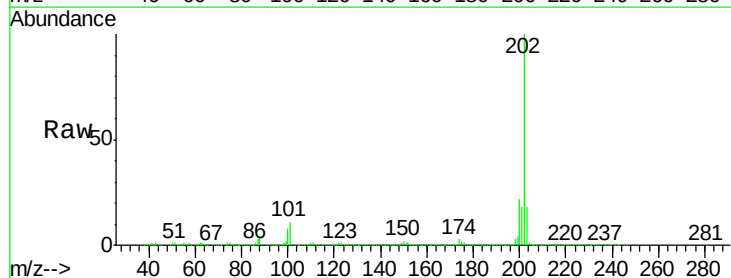
Tgt Ion:202 Resp: 745808

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

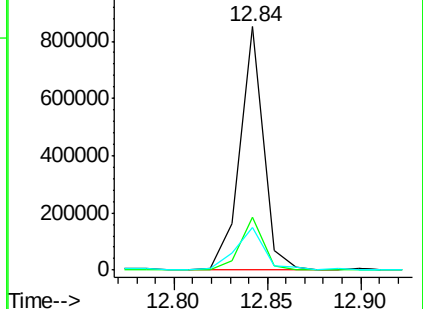
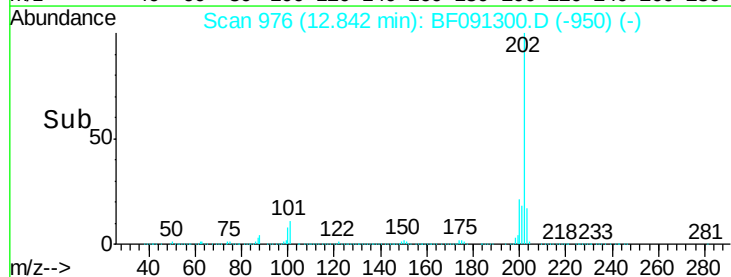
203 17.7 14.0 21.0

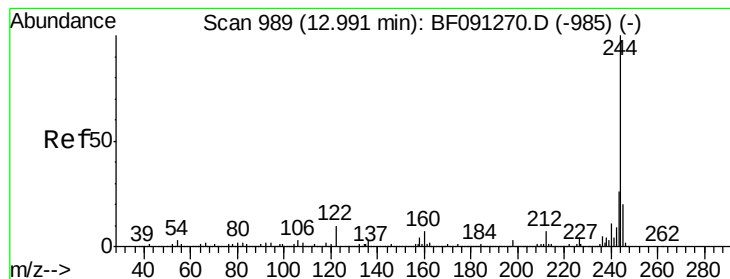


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.15 ng

RT: 12.99 min Scan# 989

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

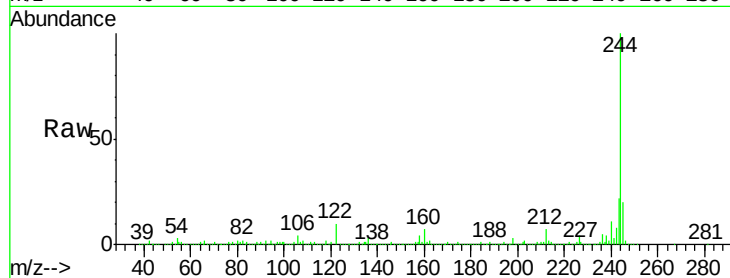
Tgt Ion:244 Resp: 1191011

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

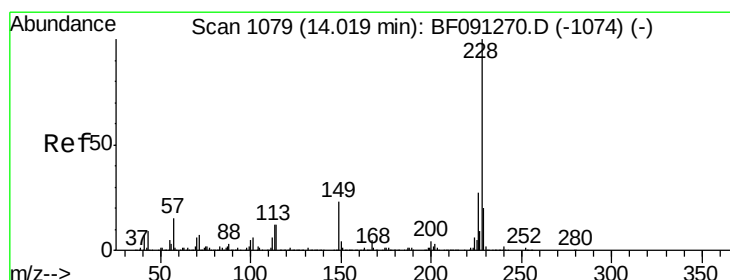
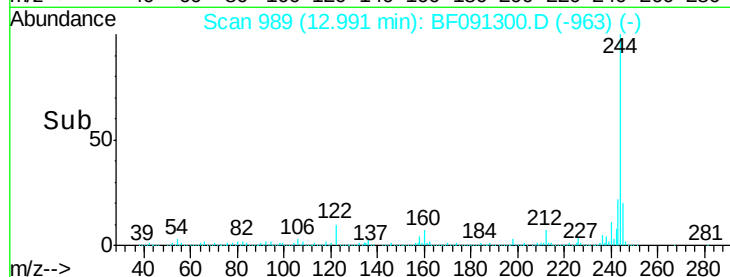
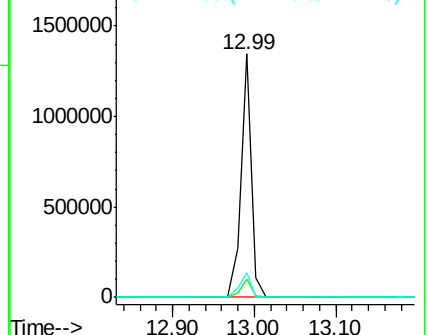
122 10.2 9.5 14.3



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: 15.25 ng

RT: 14.03 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

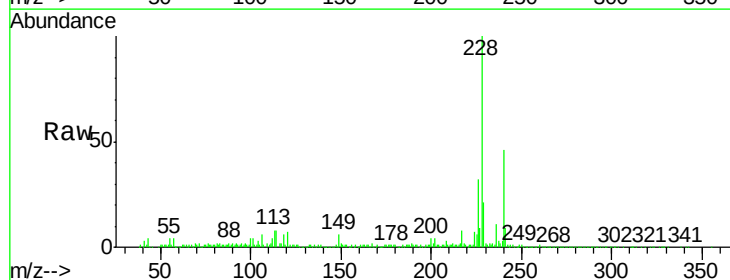
Tgt Ion:228 Resp: 434762

Ion Ratio Lower Upper

228 100

226 31.7 22.5 33.7

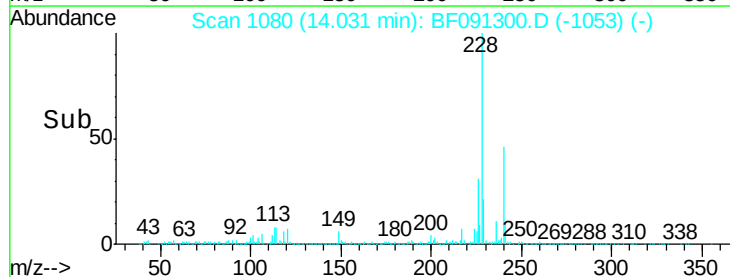
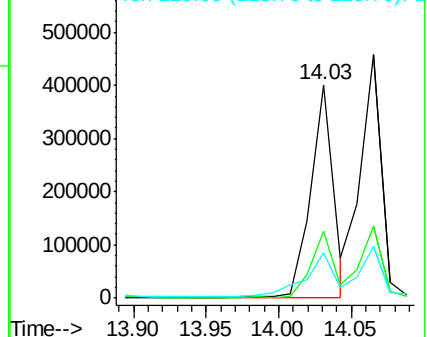
229 20.9 16.4 24.6

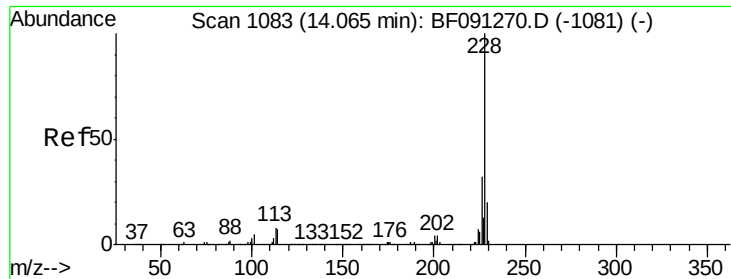


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.02 ng

RT: 14.07 min Scan# 1083

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

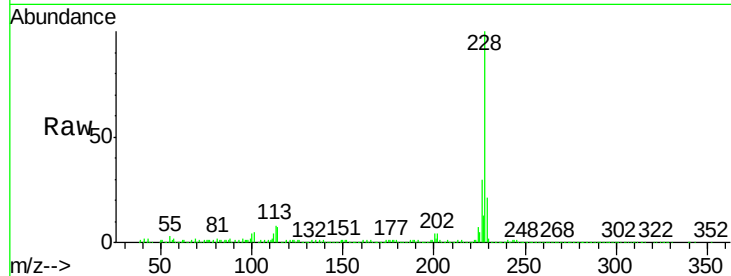
Tgt Ion:228 Resp: 458558

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.4

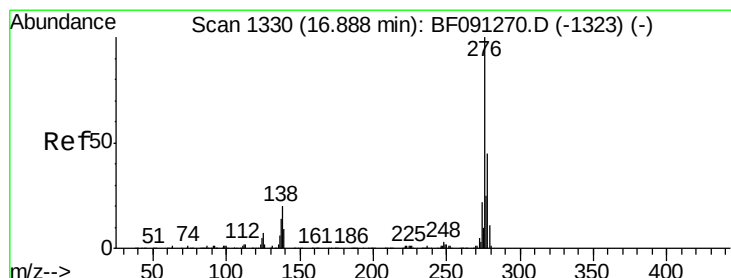
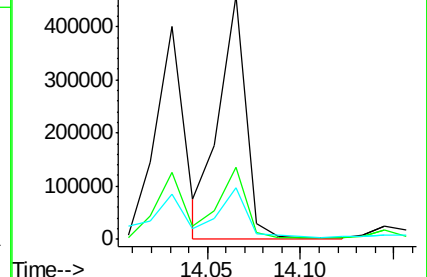
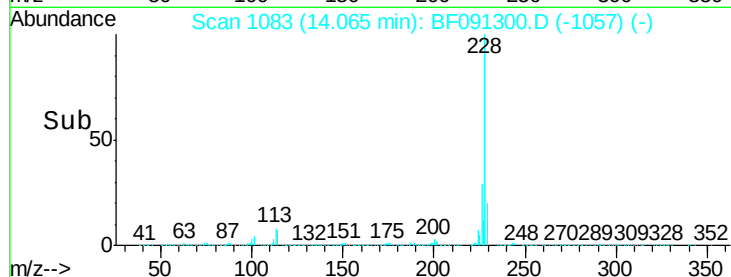
229 21.2 16.0 24.0



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: 6.54 ng

RT: 16.90 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

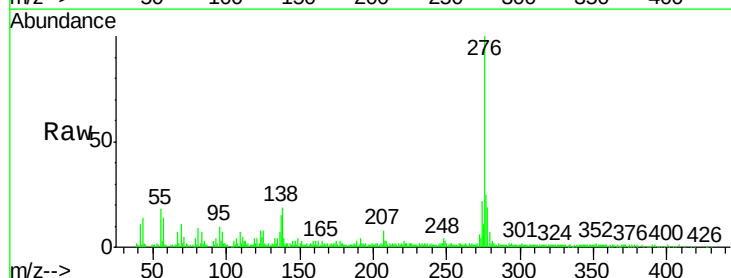
Tgt Ion:276 Resp: 151739

Ion Ratio Lower Upper

276 100

138 19.7 21.0 31.4#

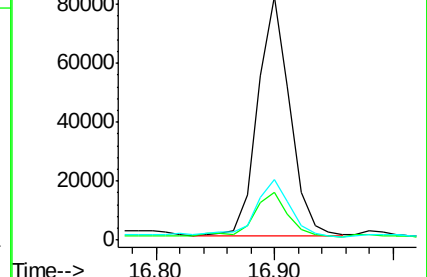
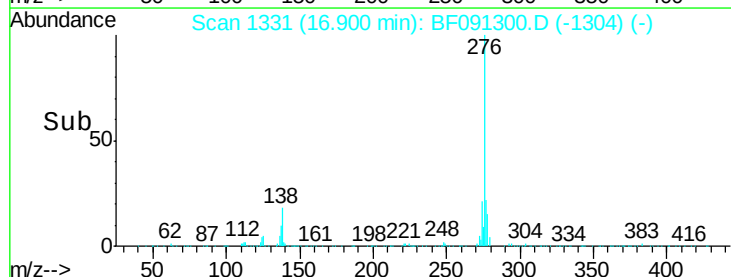
277 27.7 20.2 30.2

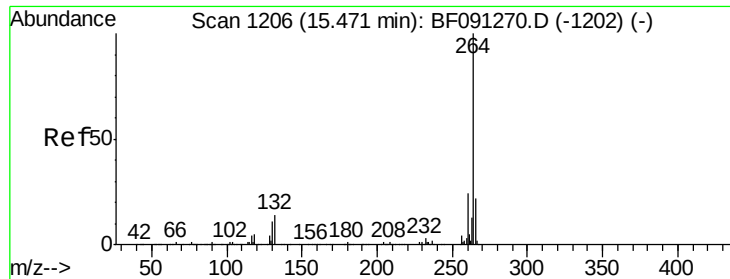


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



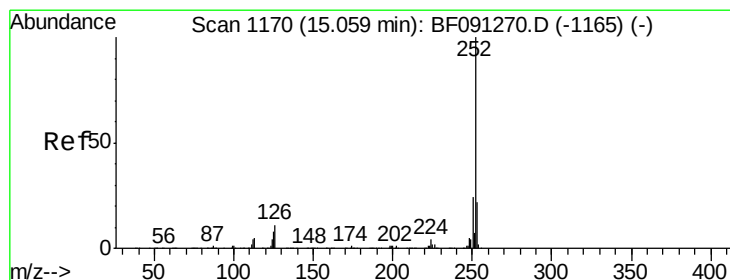
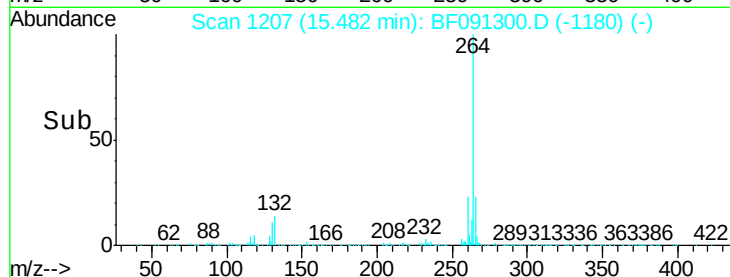
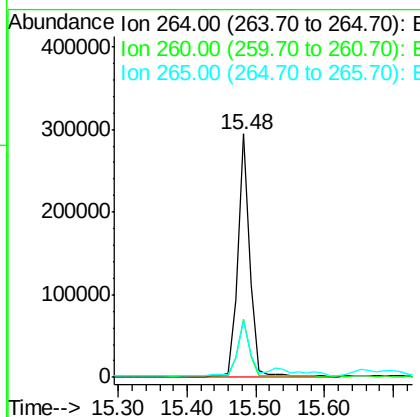
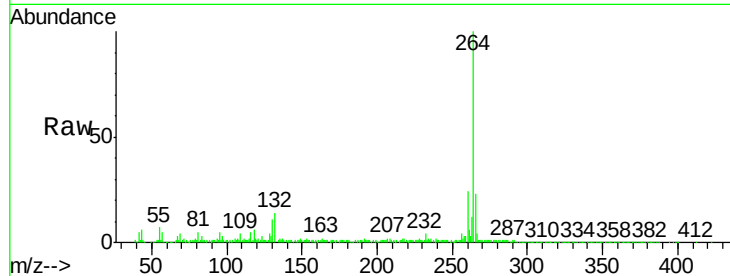


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-2

Tgt Ion: 264 Resp: 357873

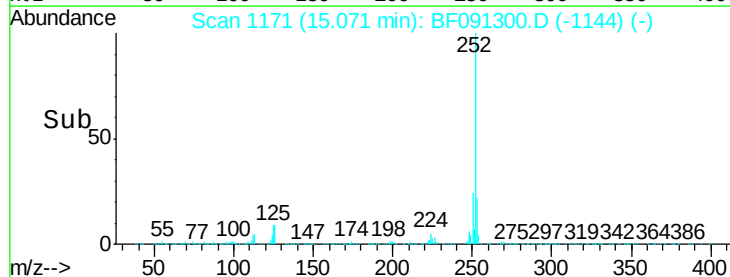
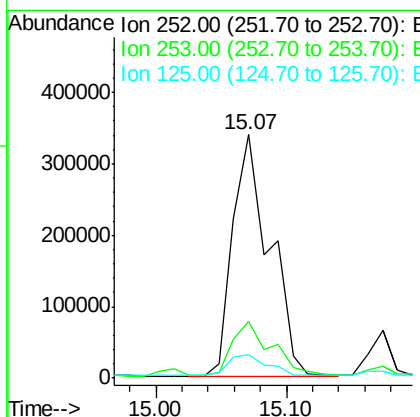
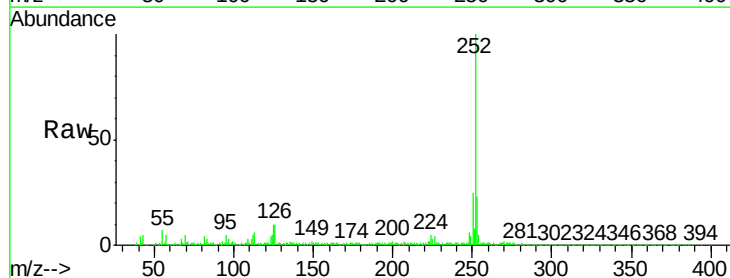
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	23.2	17.0	25.6

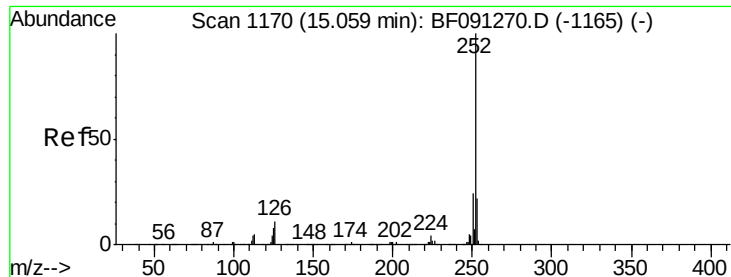


#87
Benzo(b)fluoranthene
Concen: 29.55 ng
RT: 15.07 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF091300.D
Acq: 24 Nov 2016 2:55

Tgt Ion: 252 Resp: 667195

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.7	8.6	13.0

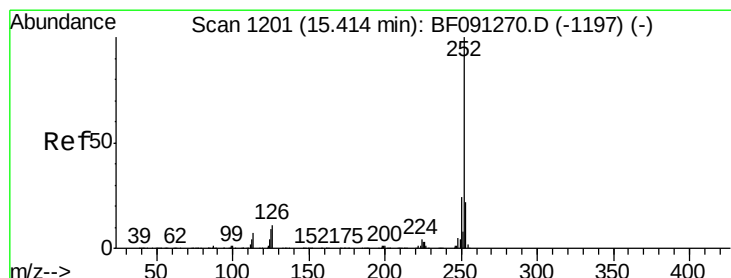
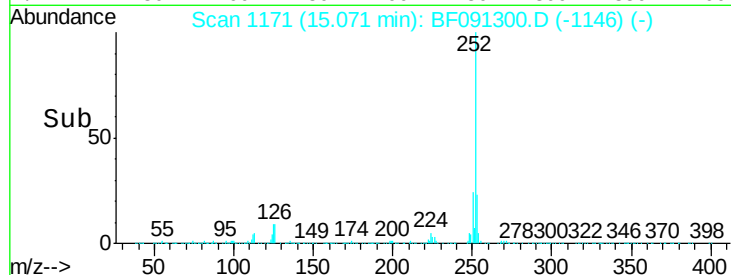
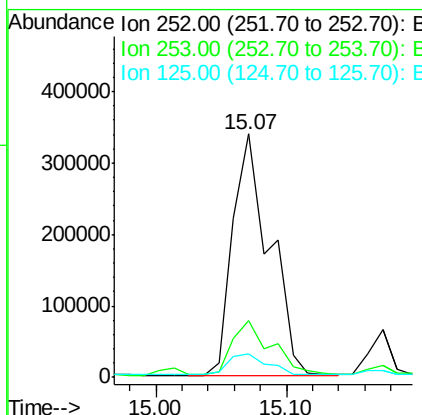
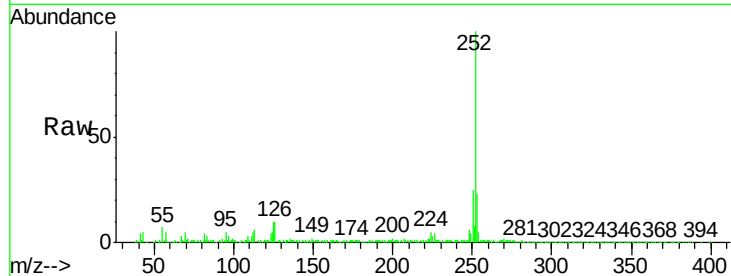




#88
 Benzo(k)fluoranthene
 Concen: 36.18 ng
 RT: 15.07 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

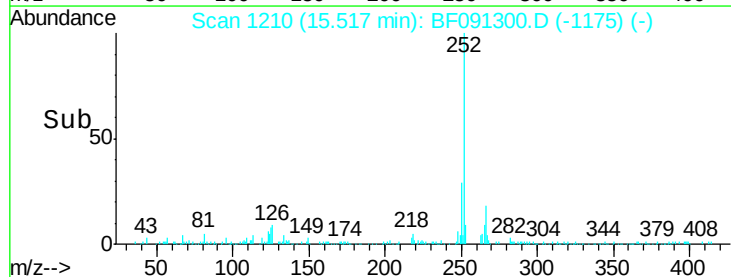
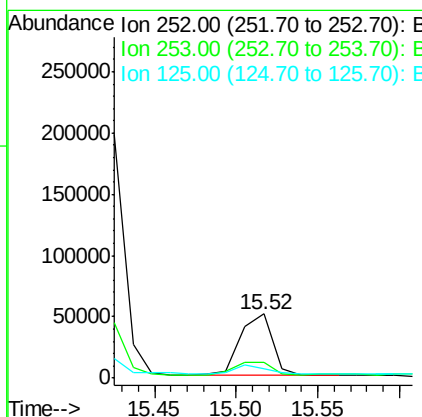
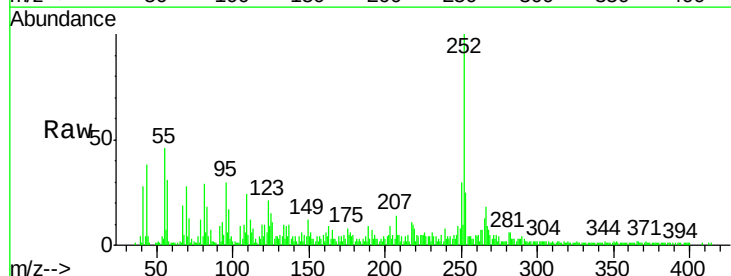
Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-2

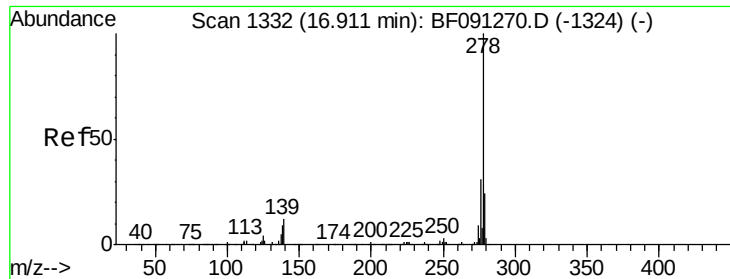
Tgt Ion: 252 Resp: 667195
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.8
 125 9.7 9.6 14.4



#89
 Benzo(a)pyrene
 Concen: 3.56 ng
 RT: 15.52 min Scan# 1210
 Delta R.T. 0.10 min
 Lab File: BF091300.D
 Acq: 24 Nov 2016 2:55

Tgt Ion: 252 Resp: 68439
 Ion Ratio Lower Upper
 252 100
 253 25.3 18.2 27.4
 125 14.9 10.4 15.6





#90

Dibenzo(a,h)anthracene

Concen: 2.30 ng

RT: 16.91 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-2

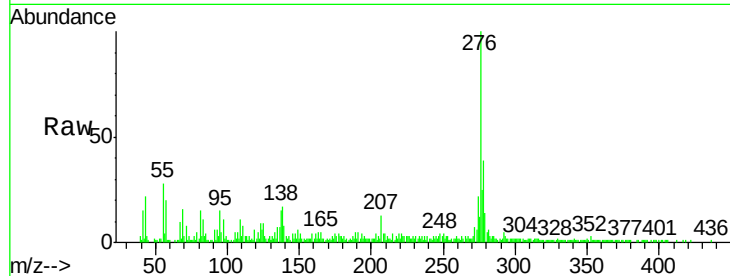
Tgt Ion:278 Resp: 40764

Ion Ratio Lower Upper

278 100

139 19.3 15.1 22.7

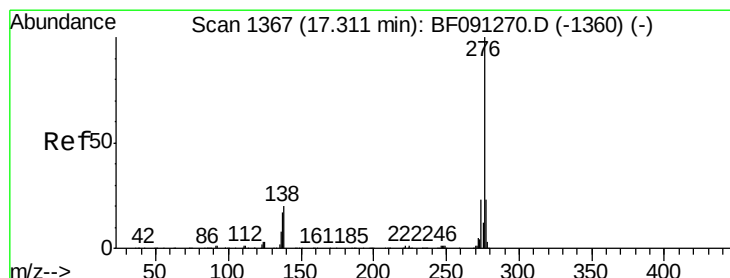
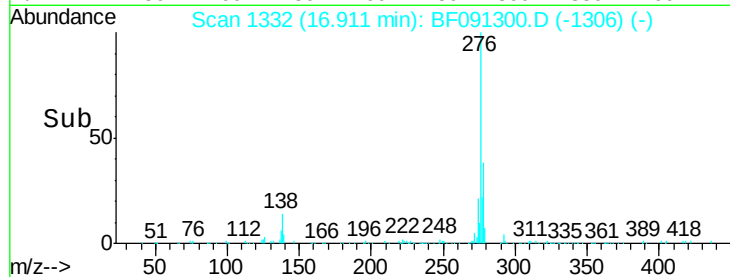
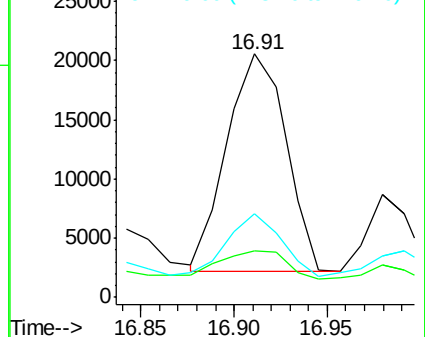
279 34.6 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.04 ng

RT: 17.32 min Scan# 1368

Delta R.T. 0.01 min

Lab File: BF091300.D

Acq: 24 Nov 2016 2:55

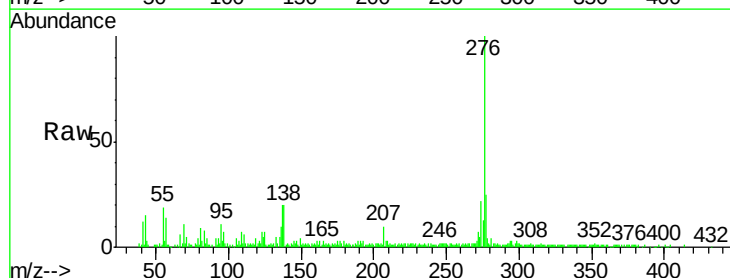
Tgt Ion:276 Resp: 141432

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 20.0 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

