

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF113016\
 Data File : BF091355.D
 Acq On : 30 Nov 2016 15:37
 Operator : UM/SJ
 Sample : H5749-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

Quant Time: Dec 01 00:15:04 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

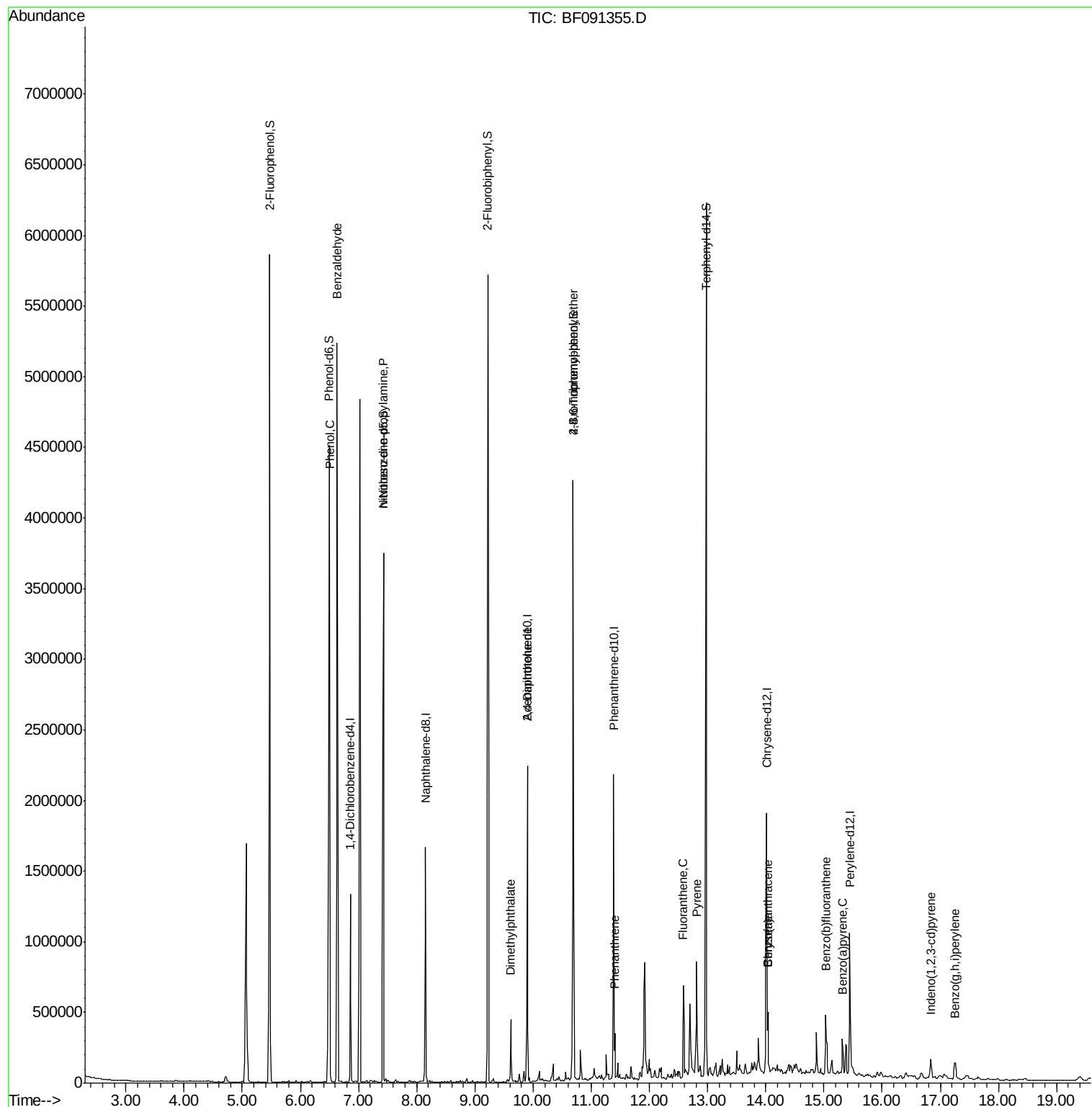
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	210143	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	905601	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	500195	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	882625	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	602265	20.00	ng	-0.03
86) Perylene-d12	15.44	264	480891	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1636285	127.20	ng	0.00
7) Phenol-d6	6.49	99	2345924	148.15	ng	0.00
23) Nitrobenzene-d5	7.43	82	1558995	96.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	607993	128.39	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	2329855	84.34	ng	-0.02
78) Terphenyl-d14	12.97	244	2132660	76.96	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	42413	4.17	ng	84
10) Phenol	6.50	94	79711	4.28	ng	# 25
19) n-Nitroso-di-n-propylamine	7.43	70	216595	21.71	ng	# 70
49) Dimethylphthalate	9.61	163	193630	6.39	ng	97
56) 2,4-Dinitrotoluene	9.90	165	67128	7.64	ng	# 34
66) 4-Bromophenyl-phenylether	10.69	248	35026	3.69	ng	# 1
70) Phenanthrene	11.41	178	146909	3.20	ng	98
74) Fluoranthene	12.58	202	312075	7.18	ng	97
77) Pyrene	12.81	202	342812	7.50	ng	98
80) Benzo(a)anthracene	14.04	228	181286	5.15	ng	98
82) Chrysene	14.04	228	181341	5.20	ng	97
85) Indeno(1,2,3-cd)pyrene	16.84	276	100766	3.16	ng	94
87) Benzo(b)fluoranthene	15.03	252	306004	10.24	ng	99
89) Benzo(a)pyrene	15.32	252	127220	4.74	ng	98
91) Benzo(g,h,i)perylene	17.25	276	104788	4.09	ng	99

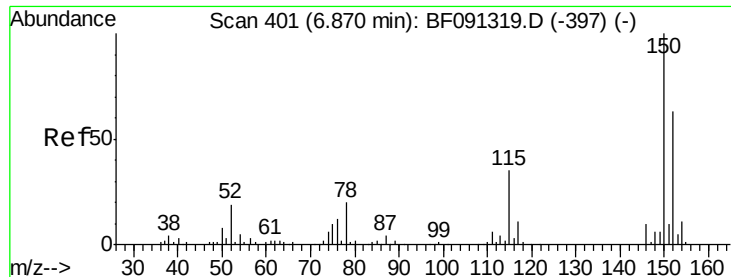
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF091355.D

Acq: 30 Nov 2016 15:37

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

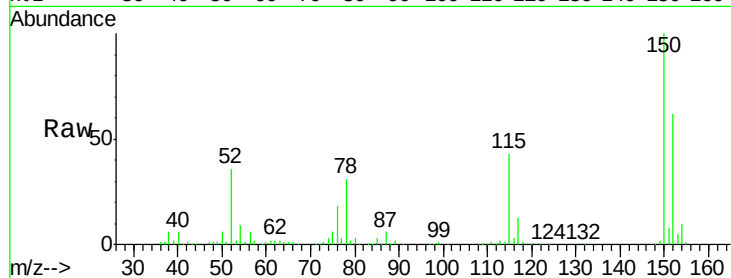
Tgt Ion:152 Resp: 210143

Ion Ratio Lower Upper

152 100

150 160.6 122.5 183.7

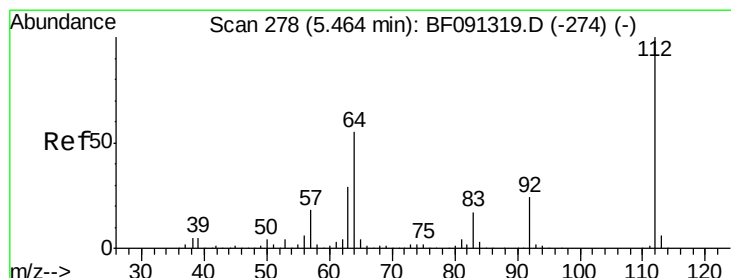
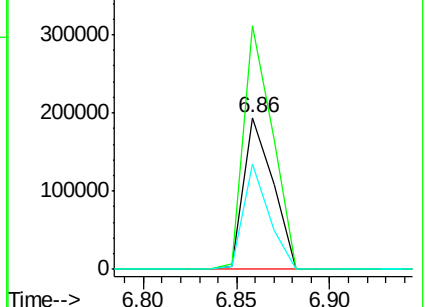
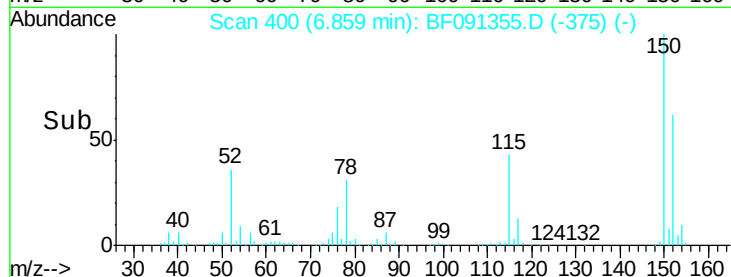
115 69.3 51.8 77.8



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: 127.20 ng

RT: 5.48 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

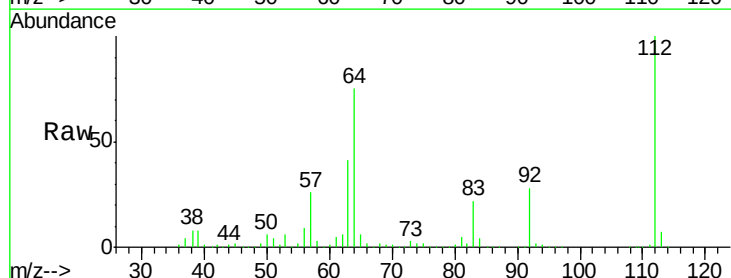
Tgt Ion:112 Resp: 1636285

Ion Ratio Lower Upper

112 100

64 75.4 61.5 92.3

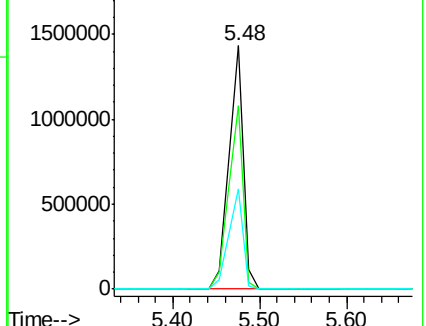
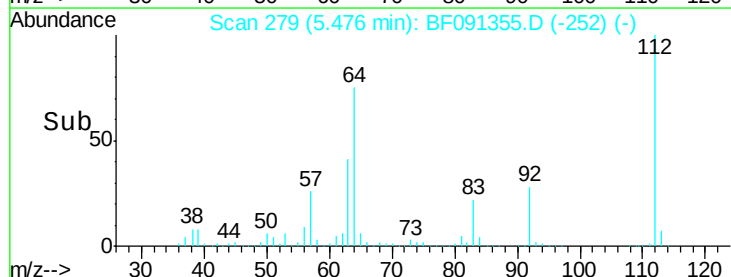
63 40.9 33.3 49.9

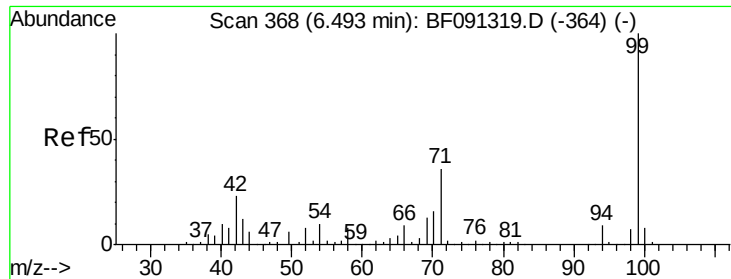


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 148.15 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

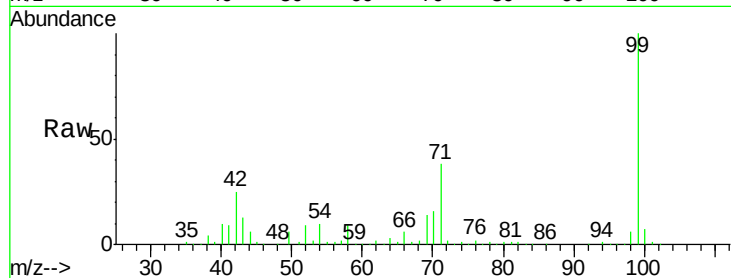
Tgt Ion: 99 Resp: 2345924

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

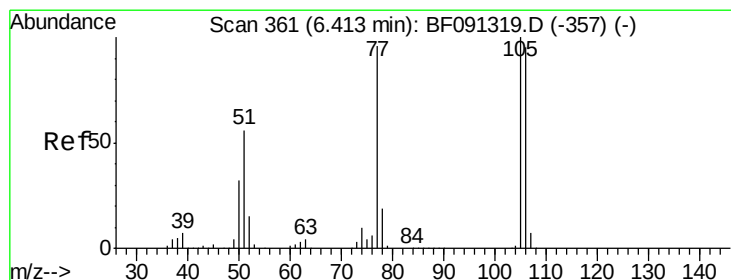
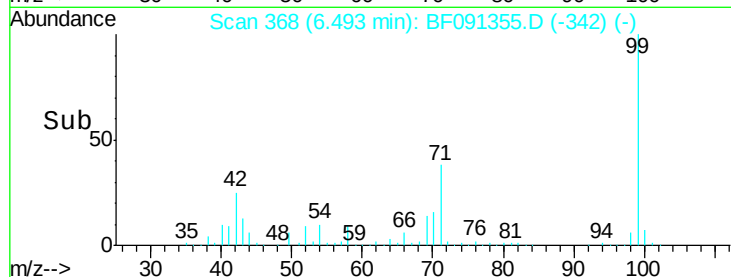
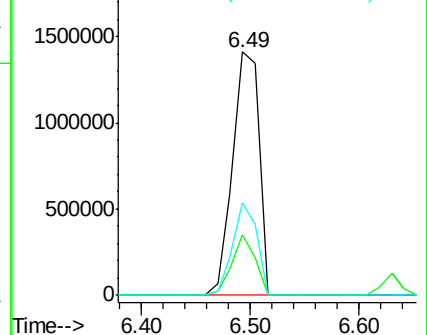
71 37.8 29.9 44.9



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



#9

Benzaldehyde

Concen: 4.17 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

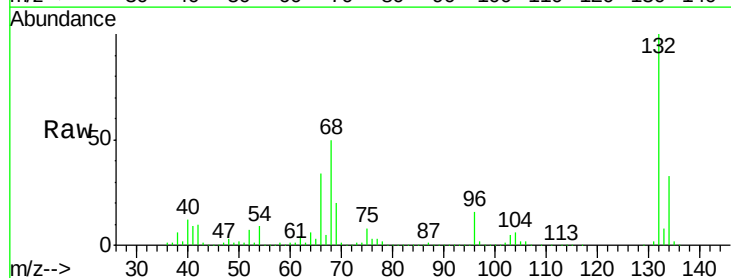
Tgt Ion: 77 Resp: 42413

Ion Ratio Lower Upper

77 100

105 73.4 66.4 106.4

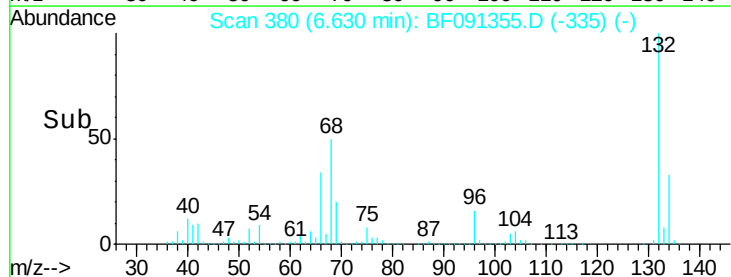
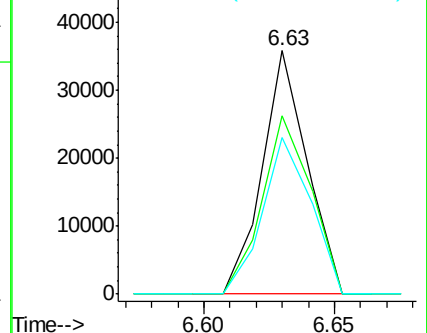
106 64.3 60.9 100.9

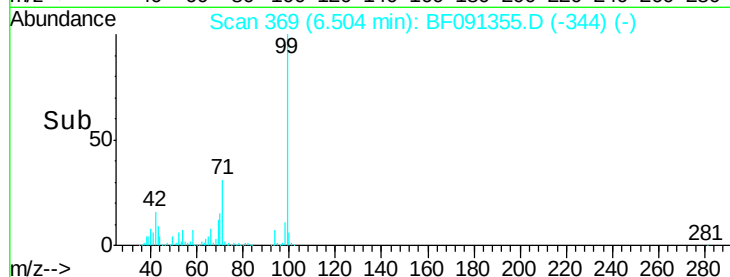
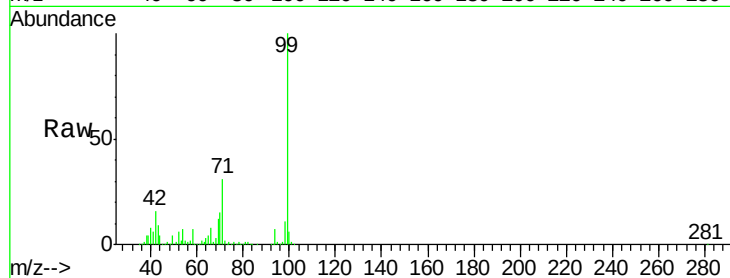
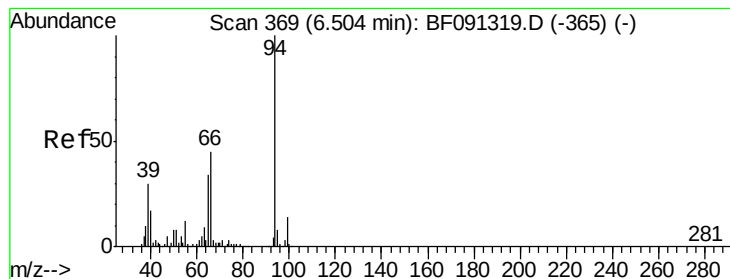


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.28 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

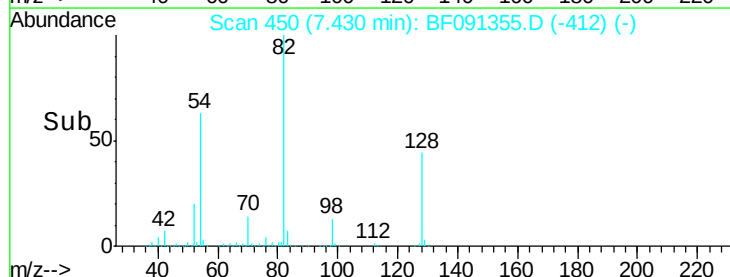
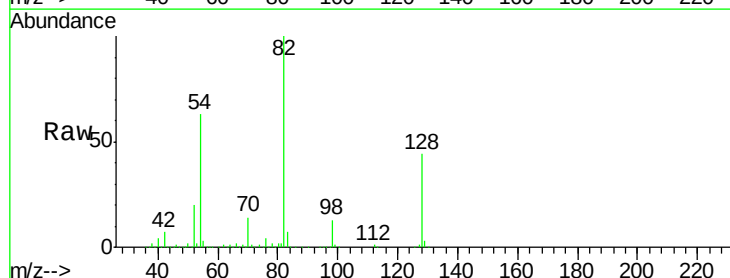
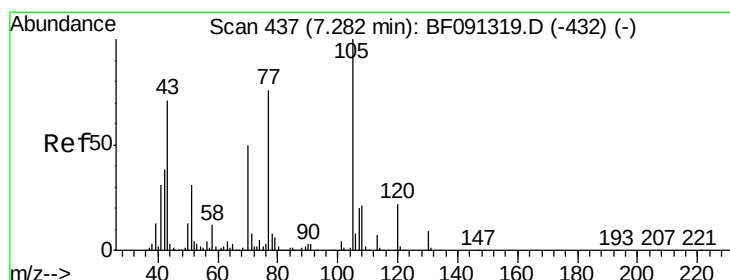
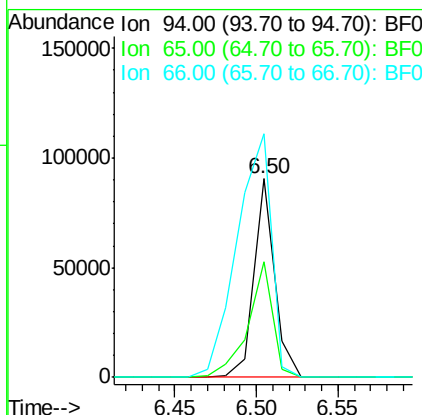
Tgt Ion: 94 Resp: 79711

Ion Ratio Lower Upper

94 100

65 58.2 16.9 56.9#

66 122.6 30.6 70.6#



#19

n-Nitroso-di-n-propylamine

Concen: 21.71 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

Tgt Ion: 70 Resp: 216595

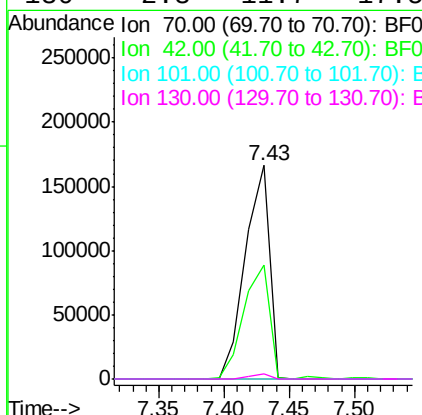
Ion Ratio Lower Upper

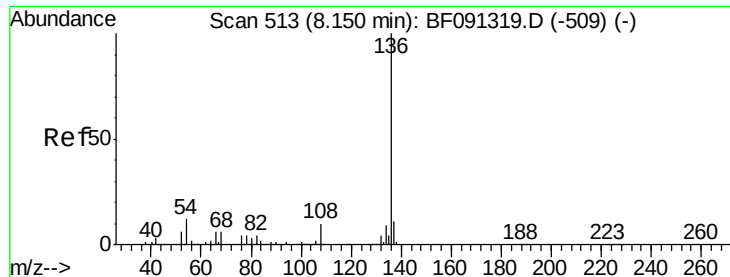
70 100

42 53.3 64.8 97.2#

101 0.0 6.2 9.4#

130 2.3 11.7 17.5#

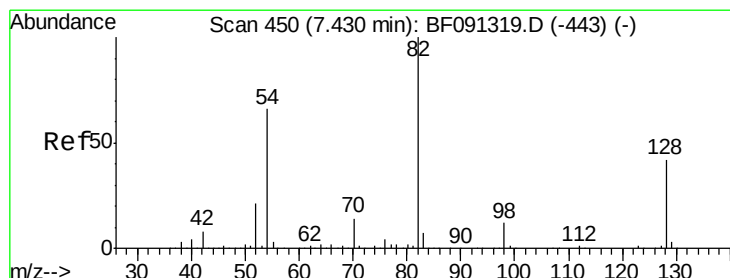
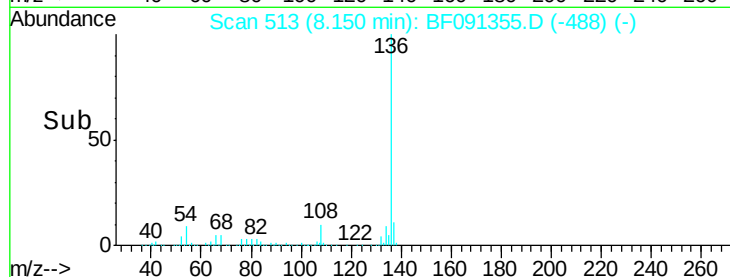
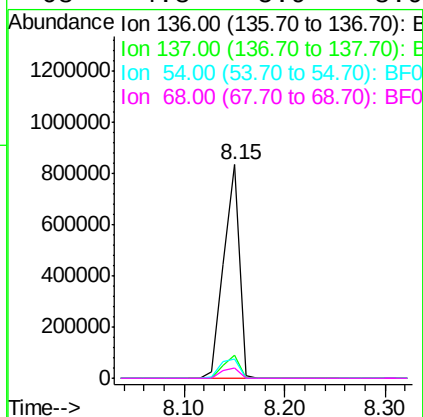
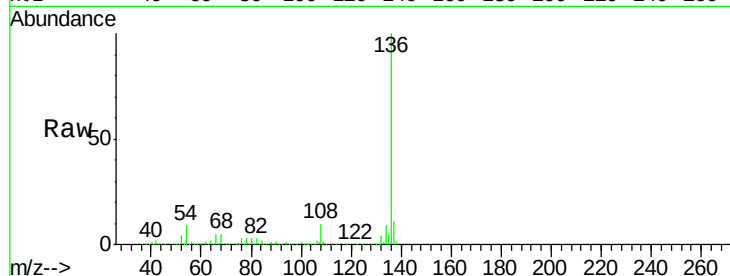




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091355.D
Acq: 30 Nov 2016 15:37

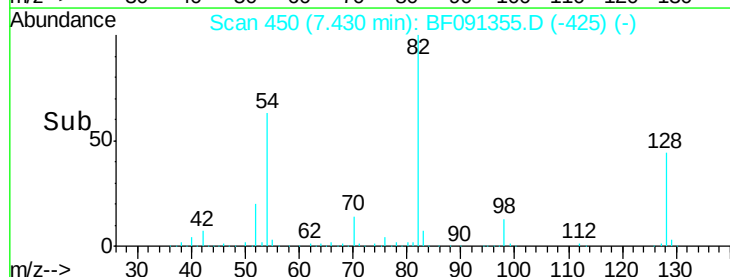
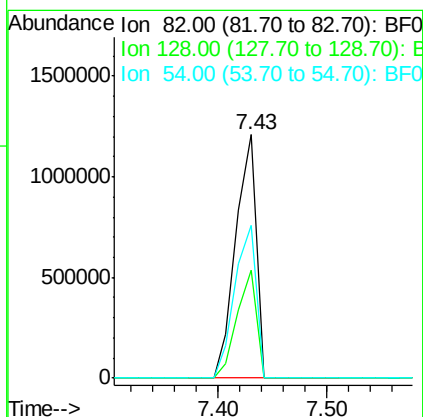
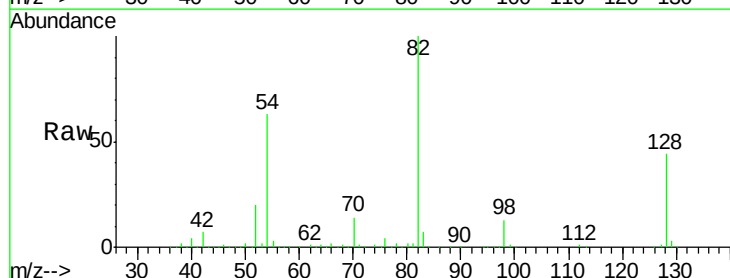
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

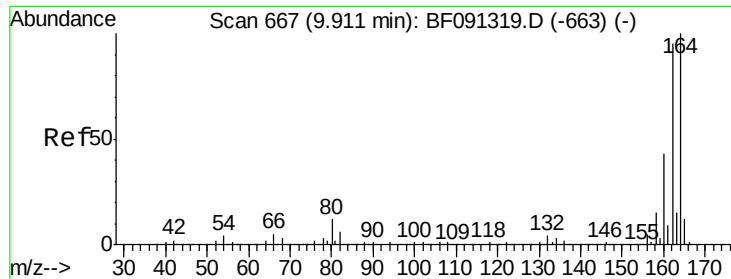
Tgt Ion:	136	Resp:	905601
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	9.2	9.1	13.7
68	4.8	5.9	8.9#



#23
Nitrobenzene-d5
Concen: 96.47 ng
RT: 7.43 min Scan# 450
Delta R.T. -0.02 min
Lab File: BF091355.D
Acq: 30 Nov 2016 15:37

Tgt Ion:	82	Resp:	1558995
Ion	Ratio	Lower	Upper
82	100		
128	44.2	31.8	47.6
54	63.0	49.1	73.7

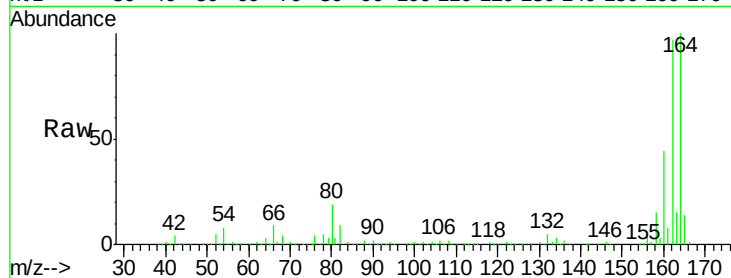




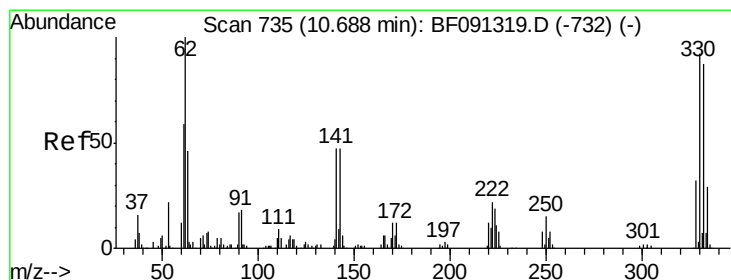
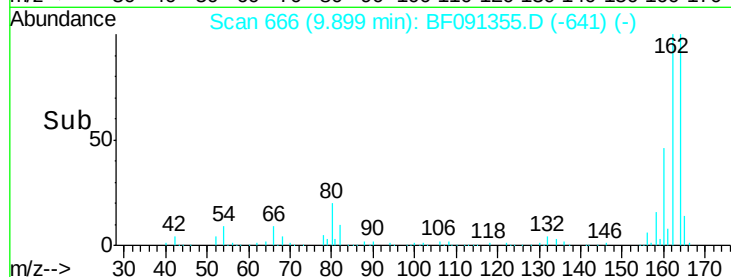
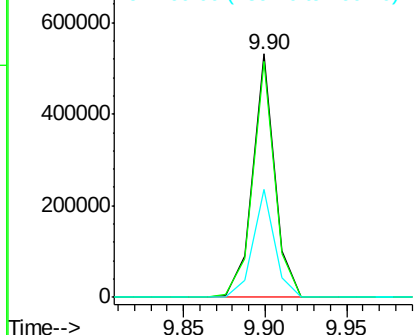
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

Tgt Ion:164 Resp: 500195
 Ion Ratio Lower Upper
 164 100
 162 96.9 82.6 124.0
 160 44.4 36.7 55.1

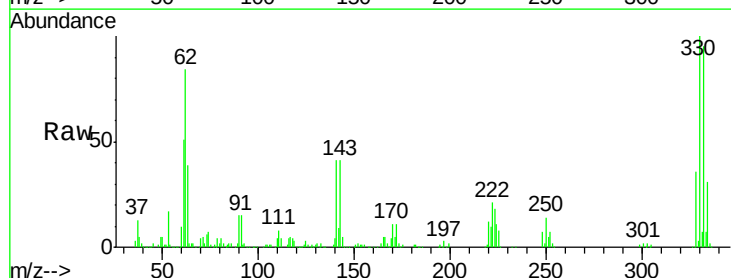


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

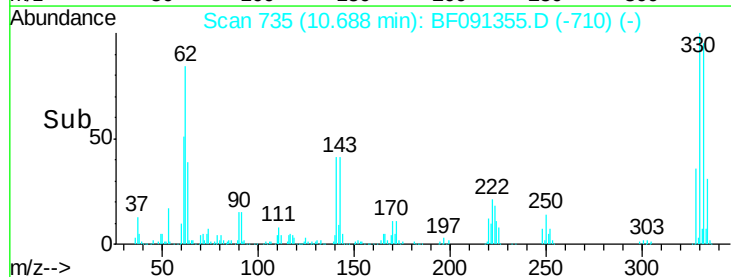
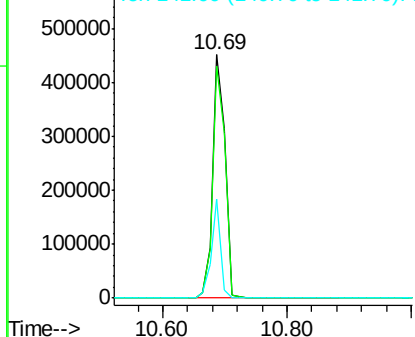


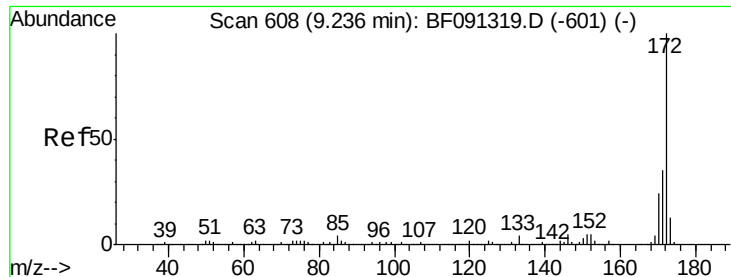
#41
 2,4,6-Tribromophenol
 Concen: 128.39 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

Tgt Ion:330 Resp: 607993
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.2 114.4
 141 31.3 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

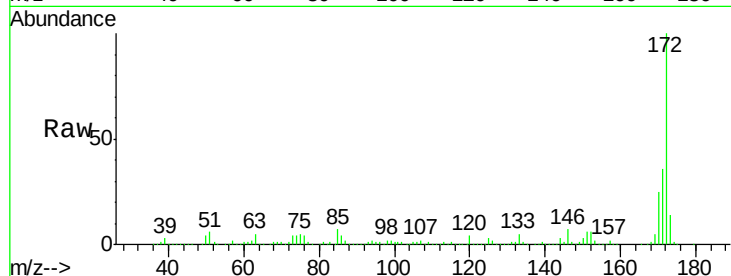




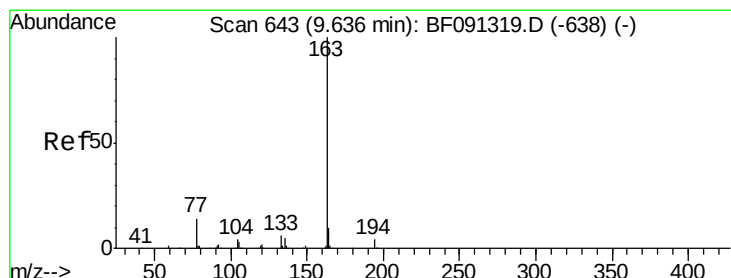
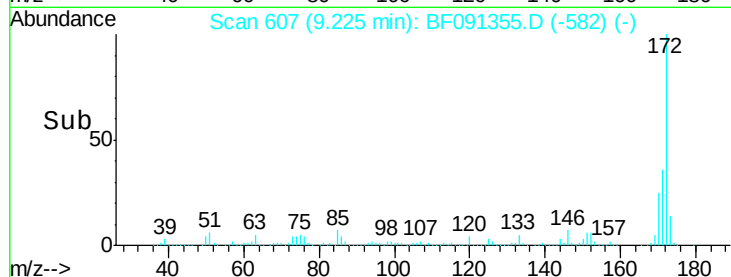
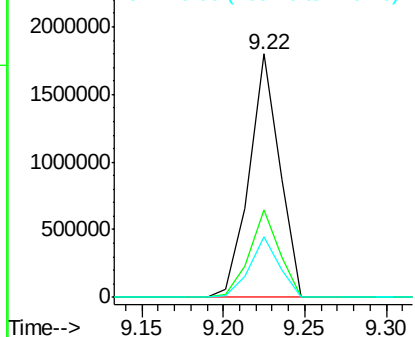
#44
2-Fluorobiphenyl
Concen: 84.34 ng
RT: 9.22 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF091355.D
Acq: 30 Nov 2016 15:37

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

Tgt Ion:172 Resp: 2329855
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.8 19.7 29.5

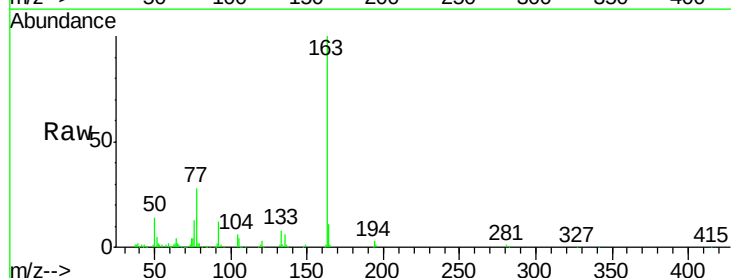


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

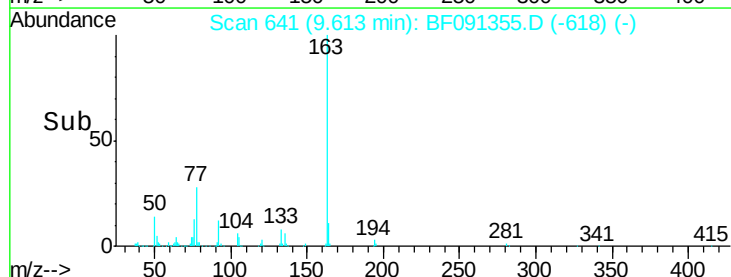
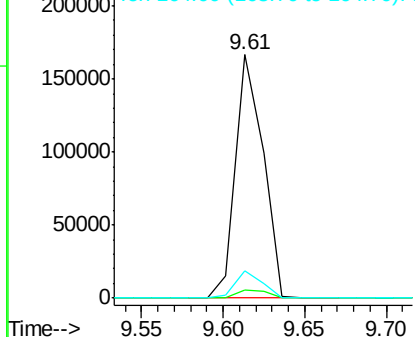


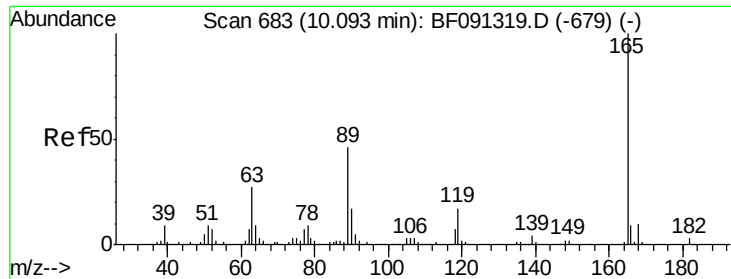
#49
Dimethylphthalate
Concen: 6.39 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.04 min
Lab File: BF091355.D
Acq: 30 Nov 2016 15:37

Tgt Ion:163 Resp: 193630
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 11.2 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

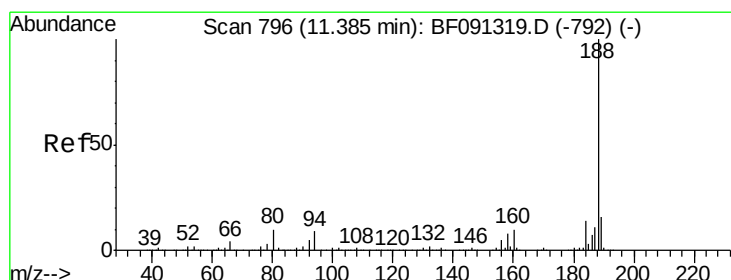
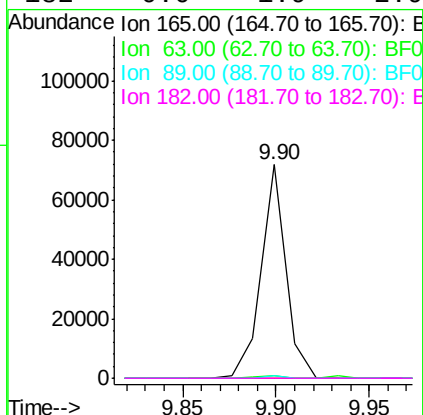
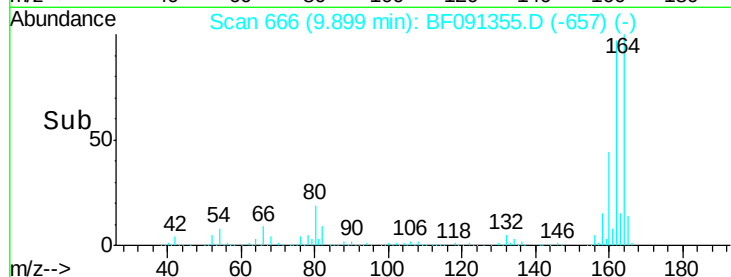
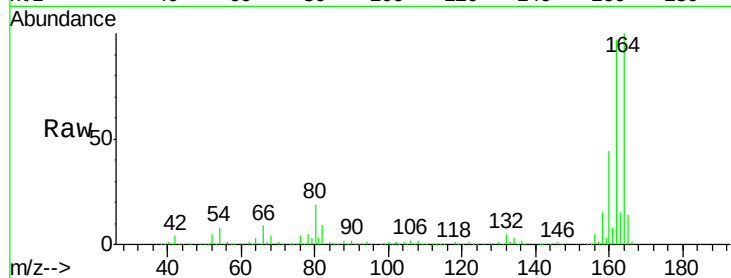




#56
 2,4-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

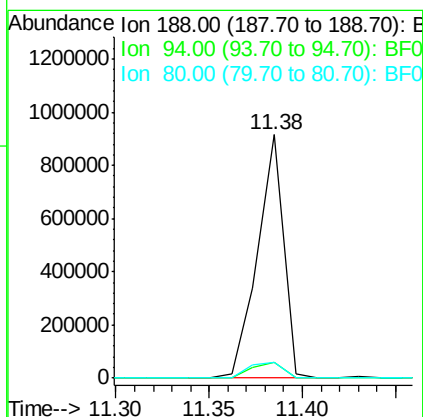
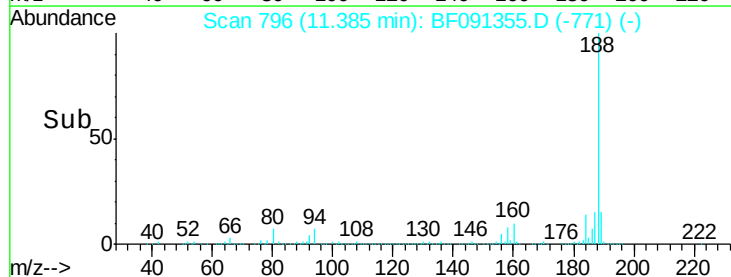
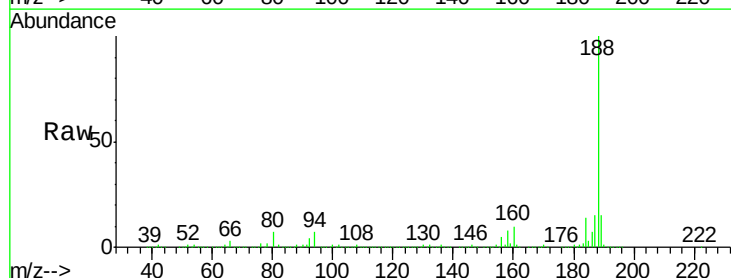
Instrument :
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 GRID-MM4-1

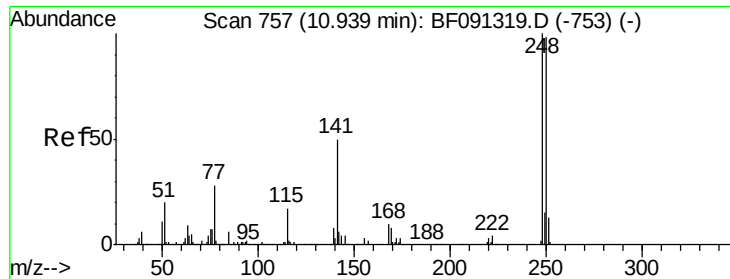
Tgt Ion:	165	Resp:	67128
Ion Ratio	Lower	Upper	
165	100		
63	1.3	29.0	43.4#
89	1.1	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

Tgt Ion:	188	Resp:	882625
Ion Ratio	Lower	Upper	
188	100		
94	6.6	9.2	13.8#
80	6.6	10.5	15.7#





#66

4-Bromophenyl-phenylether

Concen: 3.69 ng

RT: 10.69 min Scan# 735

Delta R.T. -0.27 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

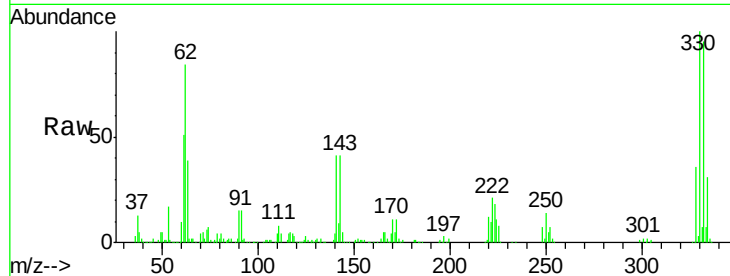
Tgt Ion:248 Resp: 35026

Ion Ratio Lower Upper

248 100

250 199.0 78.2 117.4#

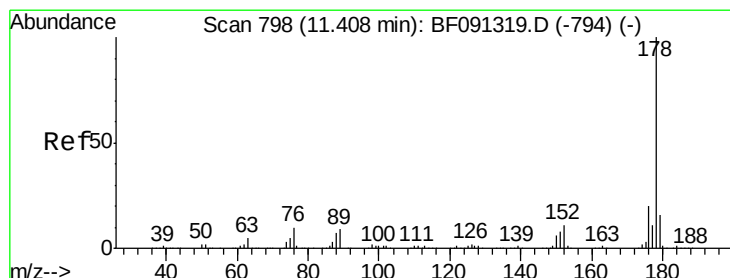
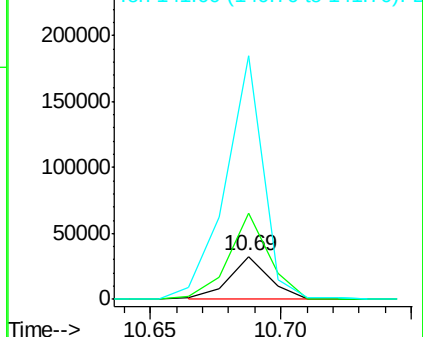
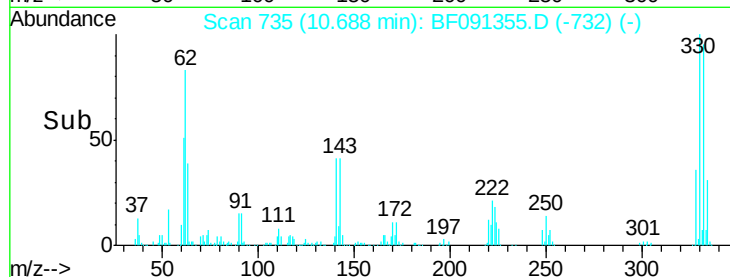
141 562.5 71.9 107.9#



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: 3.20 ng

RT: 11.41 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

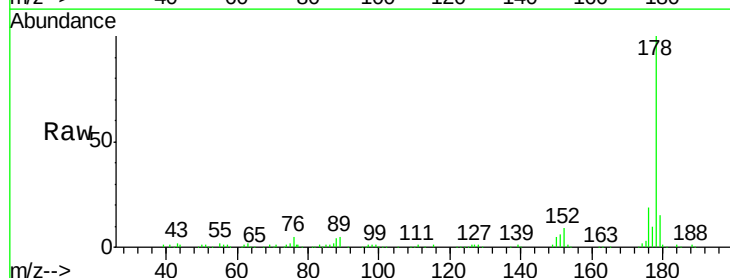
Tgt Ion:178 Resp: 146909

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

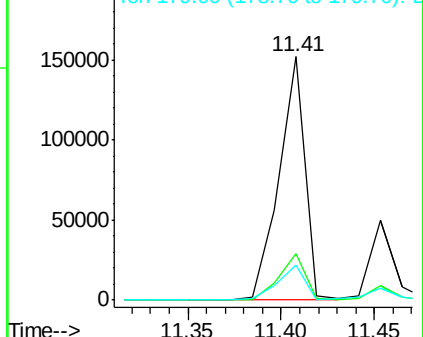
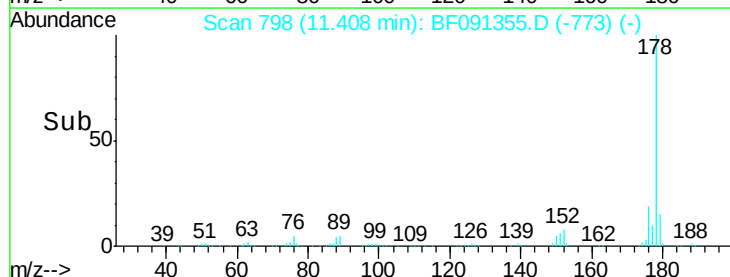
179 14.6 12.6 18.8

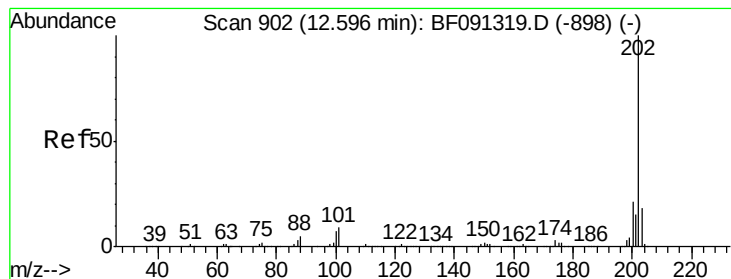


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

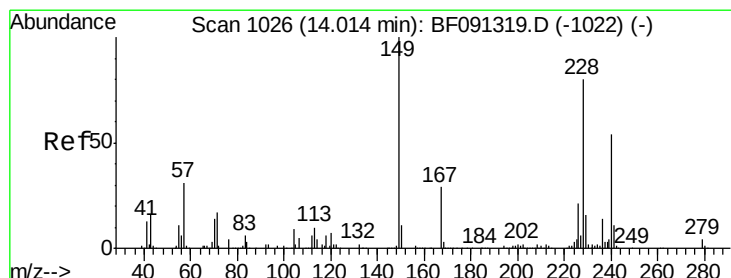
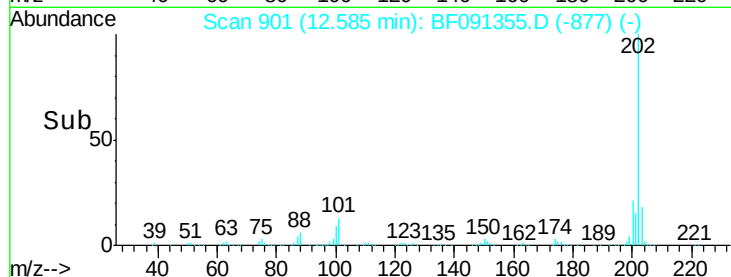
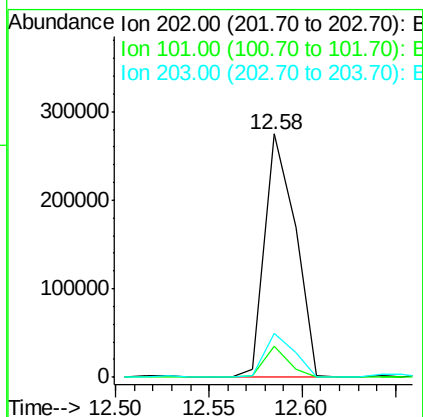
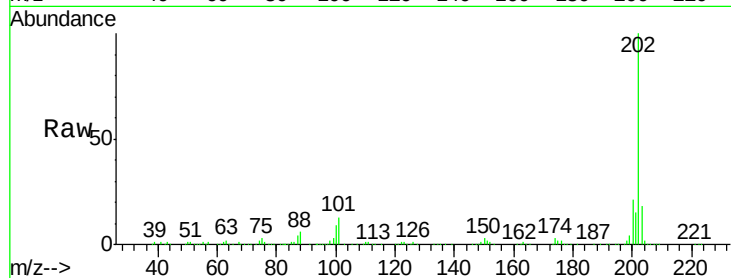




#74
 Fluoranthene
 Concen: 7.18 ng
 RT: 12.58 min Scan# 901
 Delta R.T. -0.03 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

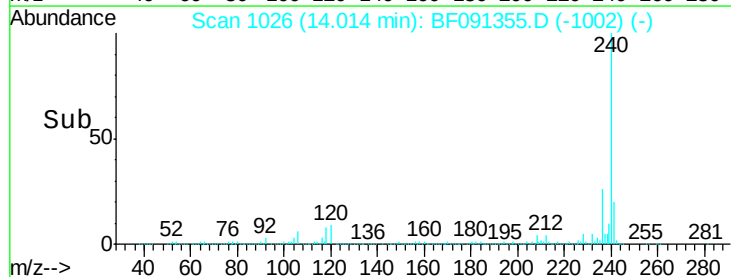
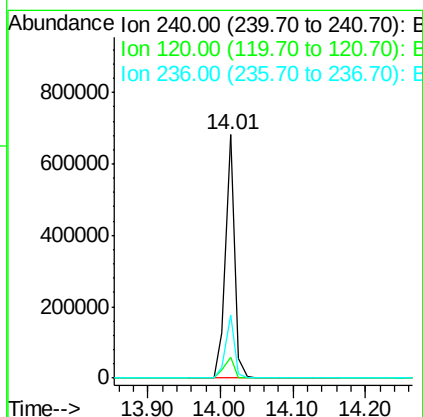
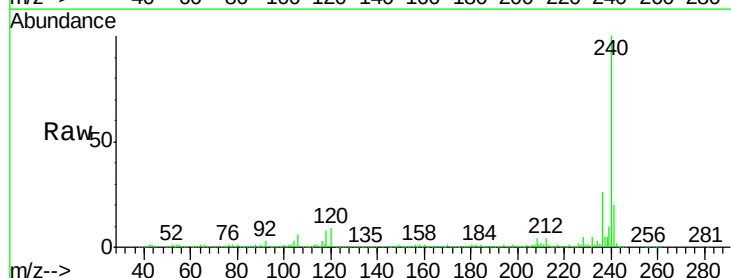
Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

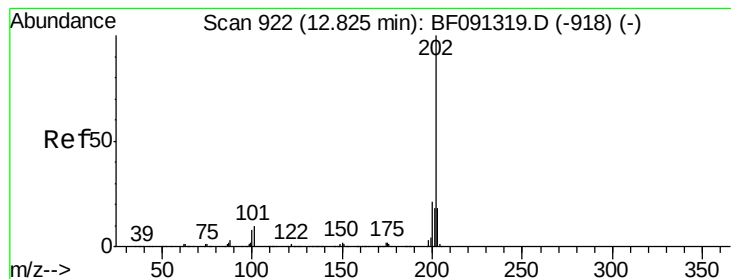
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	29.5
203	18.1	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.6	12.1	18.1#
236	26.0	21.0	31.6





#77

Pyrene

Concen: 7.50 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.03 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

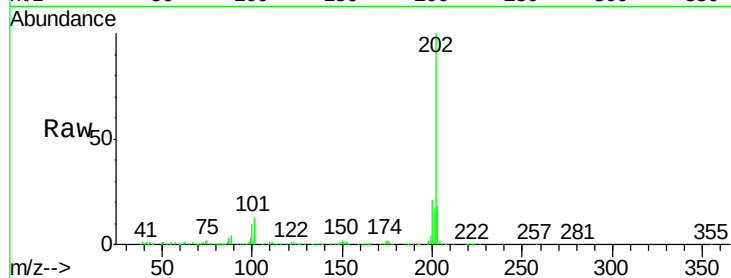
Tgt Ion:202 Resp: 342812

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

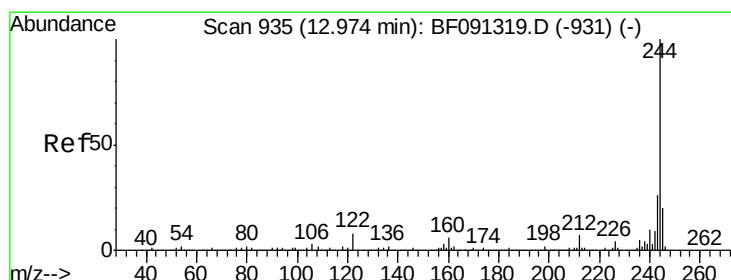
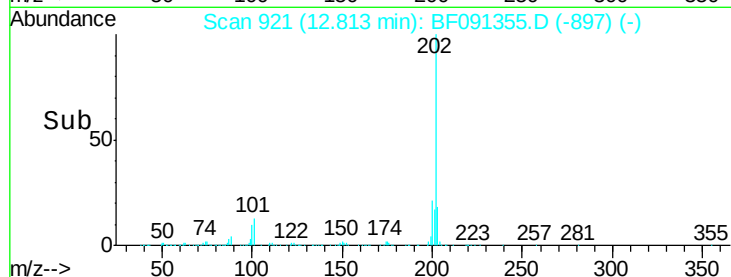
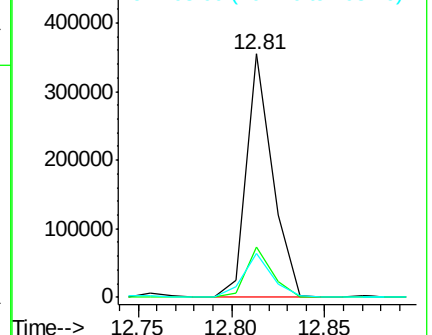
203 18.0 14.0 21.0



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: 76.96 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

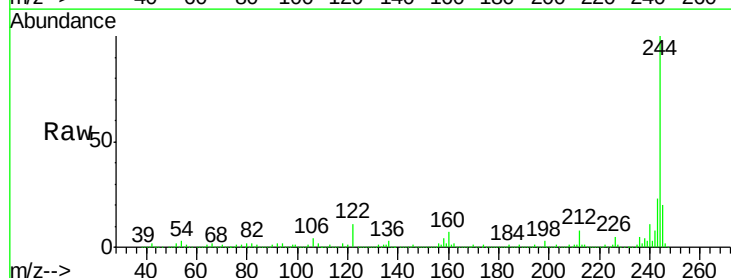
Tgt Ion:244 Resp: 2132660

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

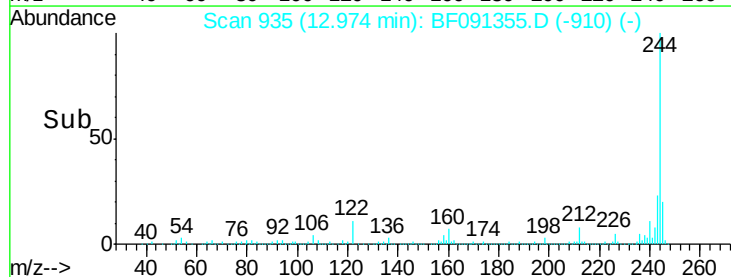
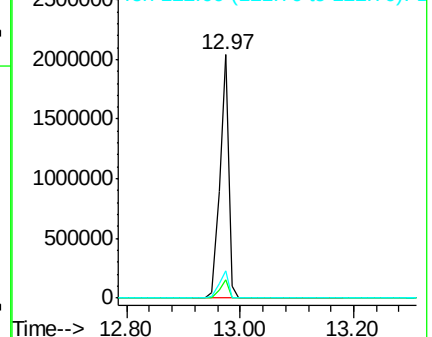
122 11.1 9.5 14.3

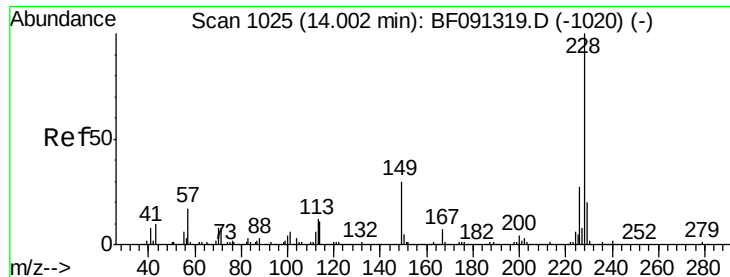


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.15 ng

RT: 14.04 min Scan# 1028

Delta R.T. 0.02 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-1

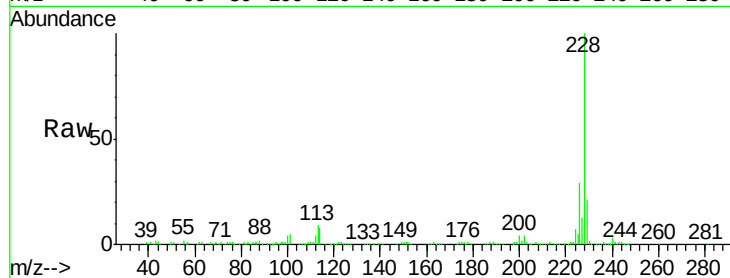
Tgt Ion:228 Resp: 181286

Ion Ratio Lower Upper

228 100

226 29.2 22.5 33.7

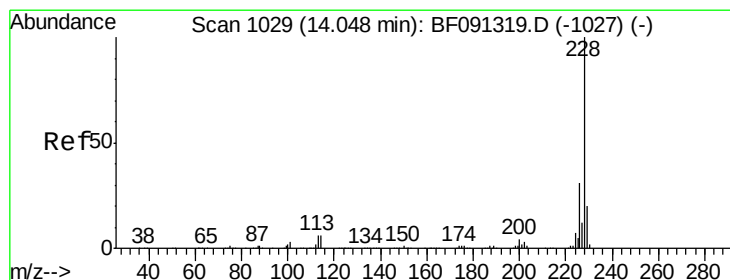
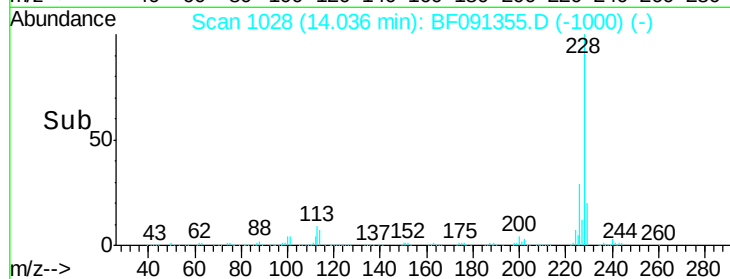
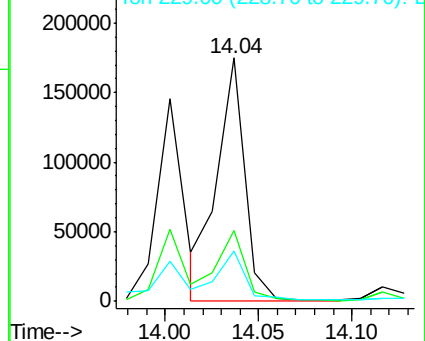
229 20.8 16.4 24.6



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: 5.20 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF091355.D

Acq: 30 Nov 2016 15:37

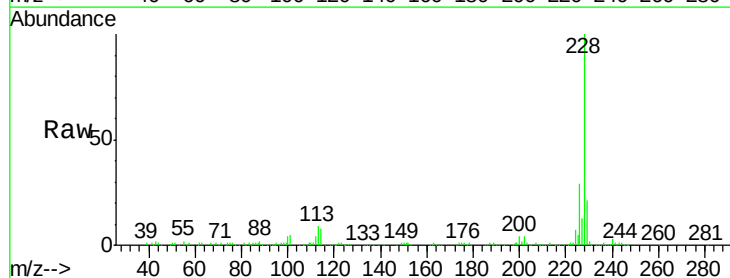
Tgt Ion:228 Resp: 181341

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.4

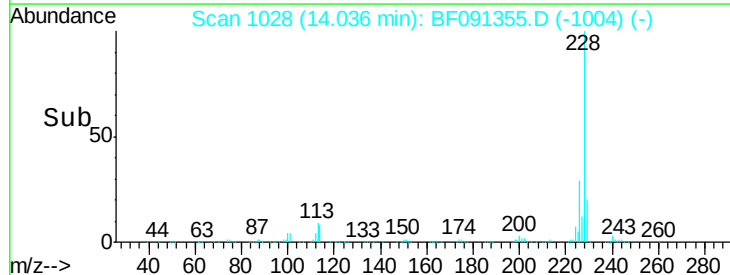
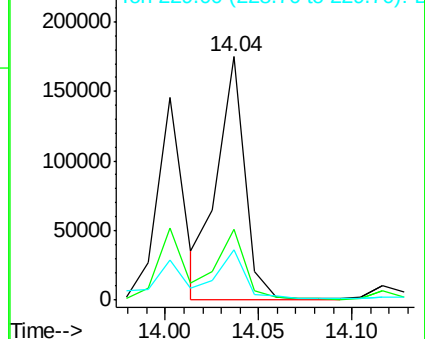
229 20.8 16.0 24.0

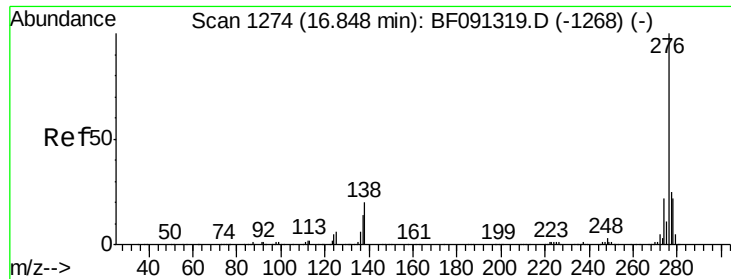


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

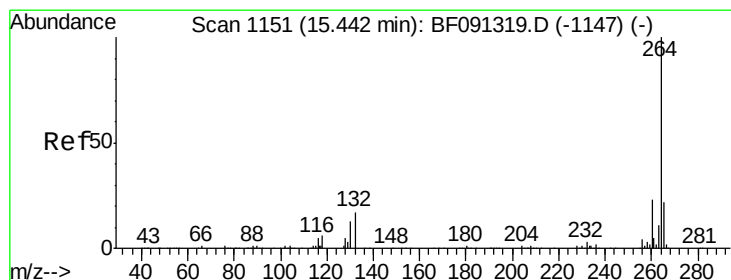
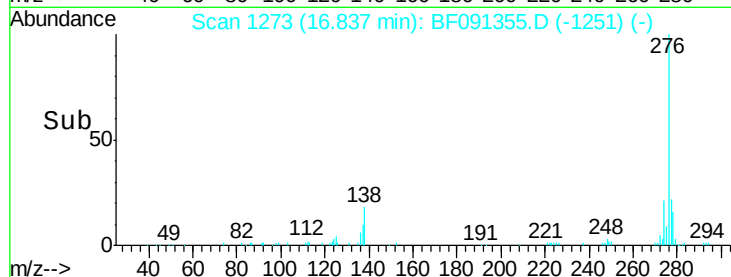
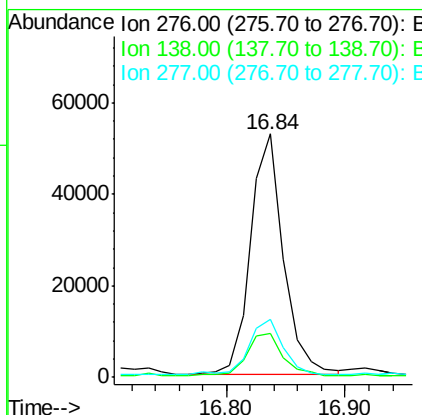
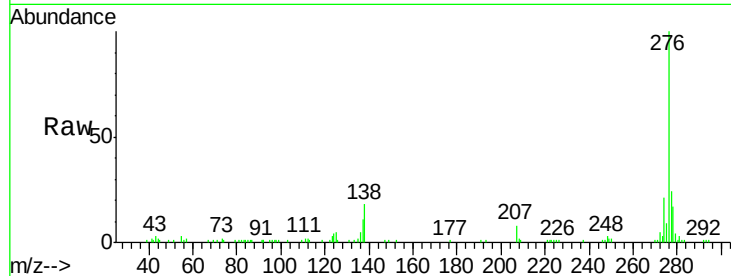




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.16 ng
 RT: 16.84 min Scan# 1273
 Delta R.T. -0.05 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

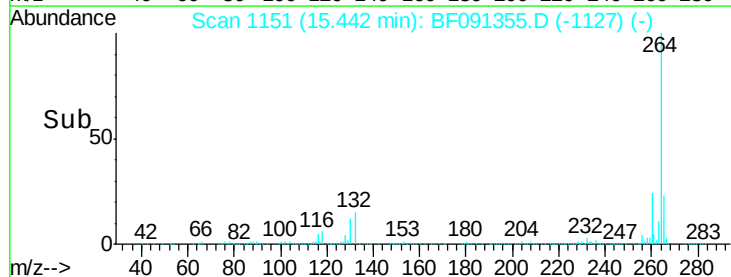
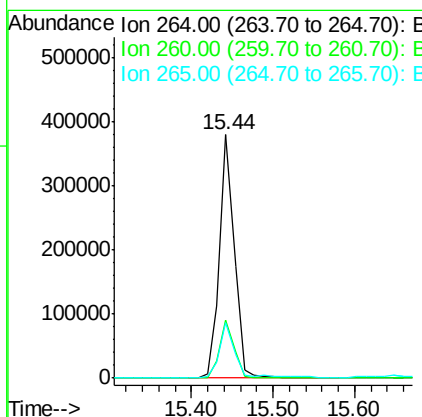
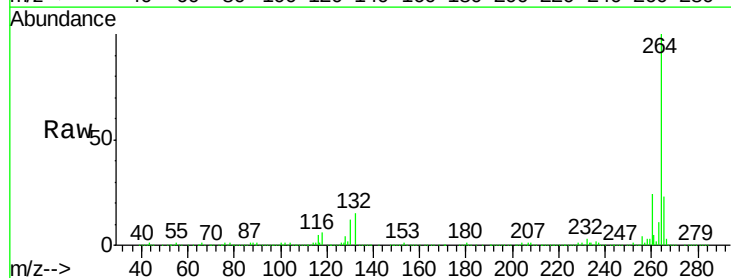
Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

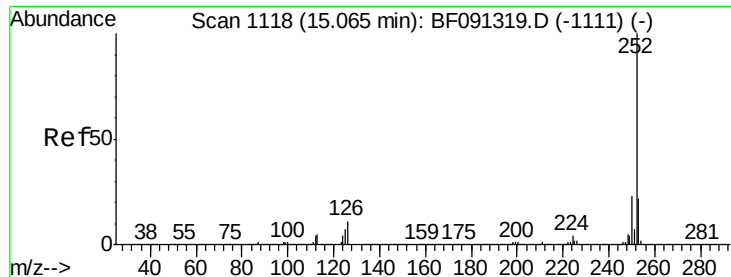
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	21.0	31.4
277	27.1	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.6	17.0	25.6

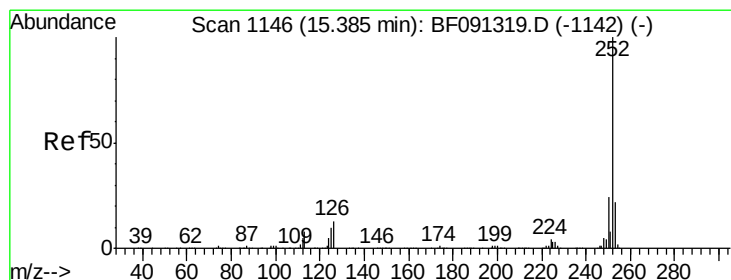
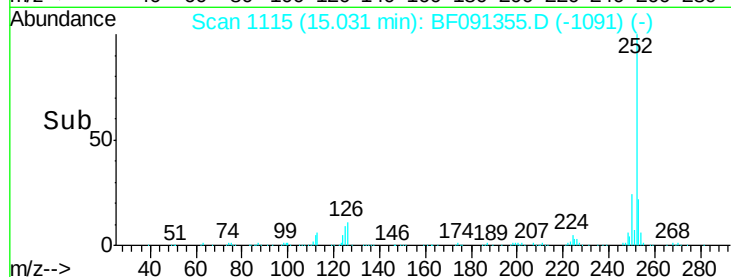
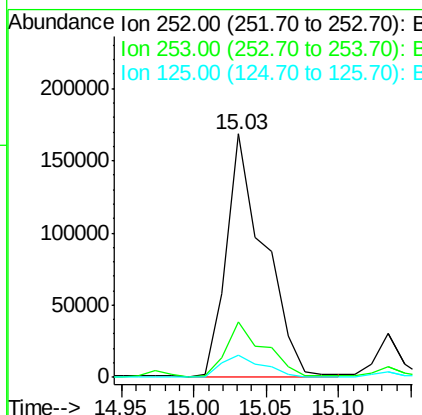
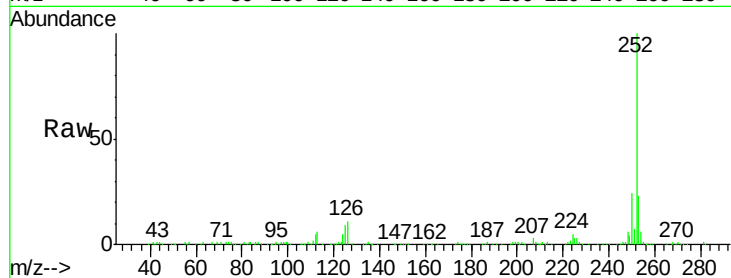




#87
Benzo(b)fluoranthene
Concen: 10.24 ng
RT: 15.03 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF091355.D
Acq: 30 Nov 2016 15:37

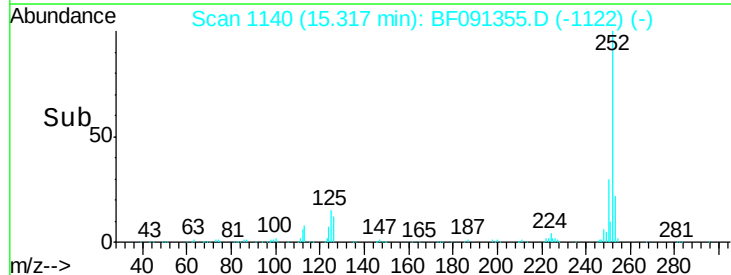
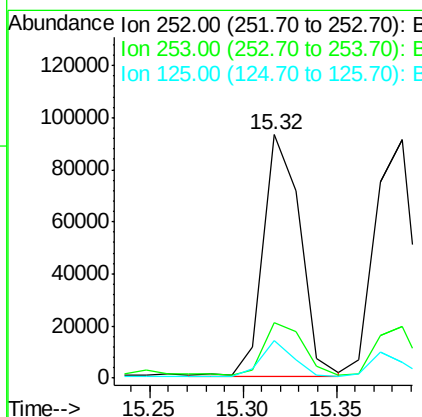
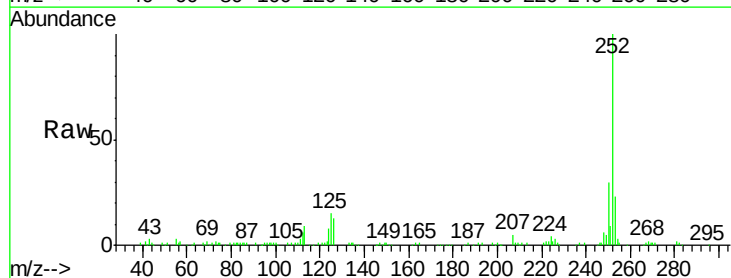
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-1

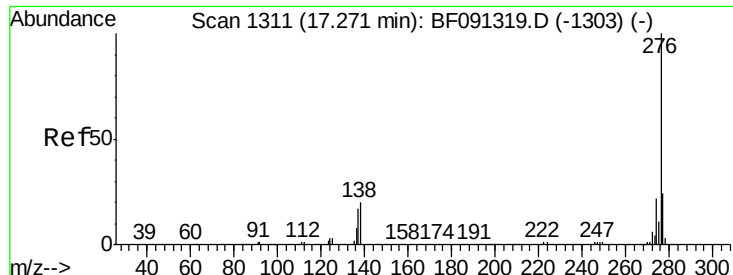
Tgt Ion:252 Resp: 306004
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 9.3 8.6 13.0



#89
Benzo(a)pyrene
Concen: 4.74 ng
RT: 15.32 min Scan# 1140
Delta R.T. -0.10 min
Lab File: BF091355.D
Acq: 30 Nov 2016 15:37

Tgt Ion:252 Resp: 127220
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 15.2 10.4 15.6





#91
 Benzo(g,h,i)perylene
 Concen: 4.09 ng
 RT: 17.25 min Scan# 1309
 Delta R.T. -0.06 min
 Lab File: BF091355.D
 Acq: 30 Nov 2016 15:37

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.3	15.4	23.0

