

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091407.D
 Acq On : 2 Dec 2016 23:33
 Operator : UM/SJ
 Sample : H5760-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-5

Quant Time: Dec 03 02:42:44 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

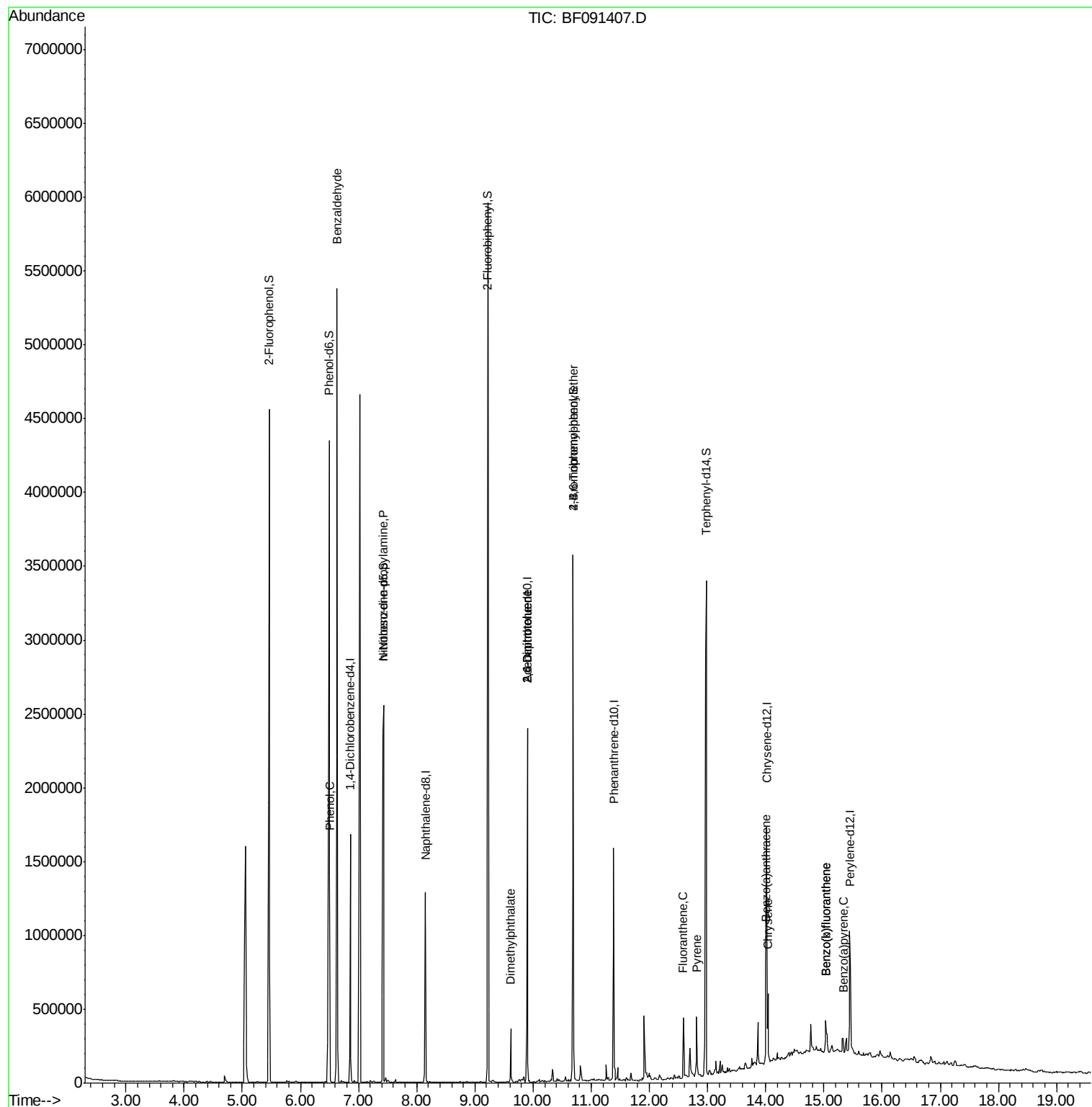
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	214523	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	851607	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	484851	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	717081	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	528498	20.00	ng	-0.03
86) Perylene-d12	15.44	264	450721	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1283333	97.73	ng	0.00
7) Phenol-d6	6.49	99	1643777	101.69	ng	0.00
23) Nitrobenzene-d5	7.43	82	1220933	80.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	420154	91.53	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	1797708	67.13	ng	-0.02
78) Terphenyl-d14	12.97	244	1545088	63.54	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	36424	3.50	ng	83
10) Phenol	6.50	94	131075	6.89	ng	100
19) n-Nitroso-di-n-propylamine	7.43	70	165441	16.24	ng	# 66
49) Dimethylphthalate	9.61	163	129098	4.40	ng	98
50) 2,6-Dinitrotoluene	9.90	165	63395	9.66	ng	# 16
56) 2,4-Dinitrotoluene	9.90	165	63397	7.45	ng	# 33
66) 4-Bromophenyl-phenylether	10.69	248	28835	3.74	ng	# 1
74) Fluoranthene	12.59	202	161585	4.58	ng	98
77) Pyrene	12.81	202	159887	3.99	ng	98
80) Benzo(a)anthracene	14.00	228	111800	3.62	ng	99
82) Chrysene	14.04	228	173429	5.67	ng	97
87) Benzo(b)fluoranthene	15.03	252	162609	5.80	ng	99
88) Benzo(k)fluoranthene	15.03	252	162609	6.90	ng	99
89) Benzo(a)pyrene	15.33	252	54360	2.16	ng	94

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

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
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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: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

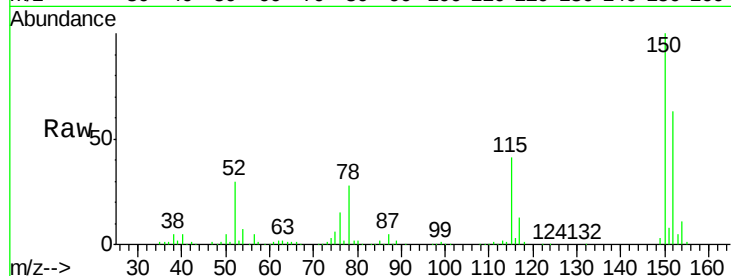
Tgt Ion:152 Resp: 214523

Ion Ratio Lower Upper

152 100

150 157.9 122.5 183.7

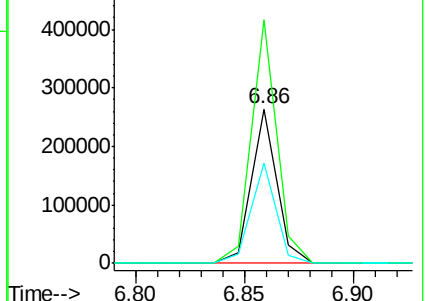
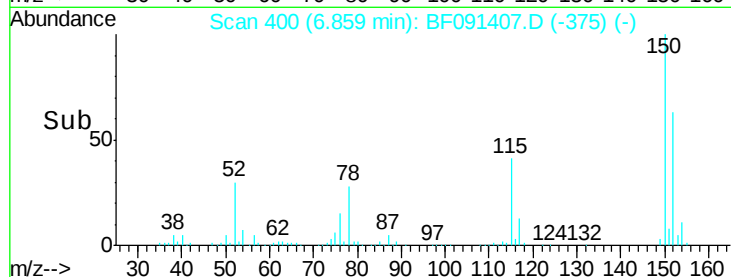
115 65.0 51.8 77.8



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: 97.73 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

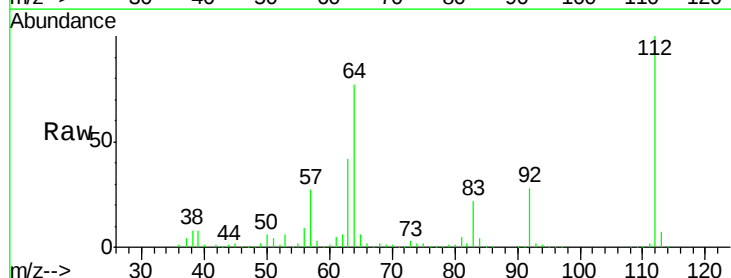
Tgt Ion:112 Resp: 1283333

Ion Ratio Lower Upper

112 100

64 77.1 61.5 92.3

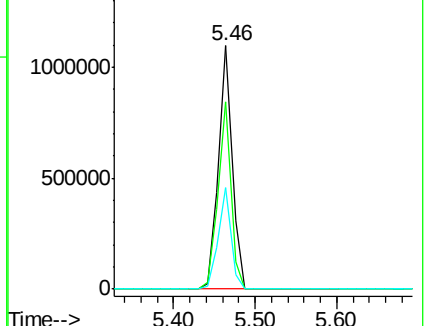
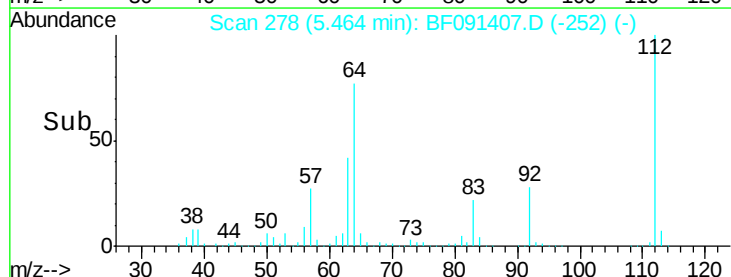
63 41.7 33.3 49.9

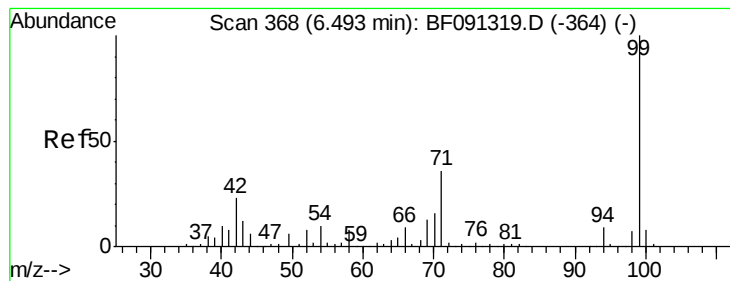


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.69 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

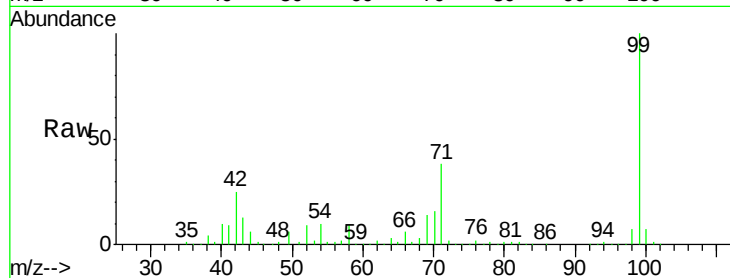
Tgt Ion: 99 Resp: 1643777

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

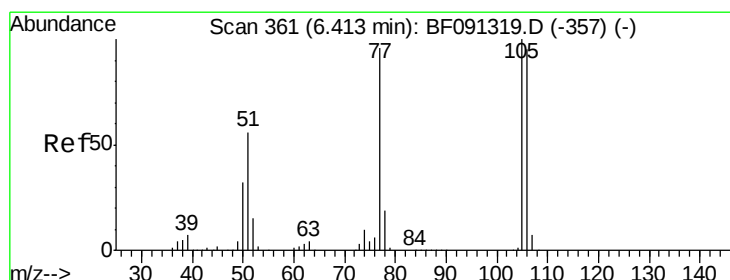
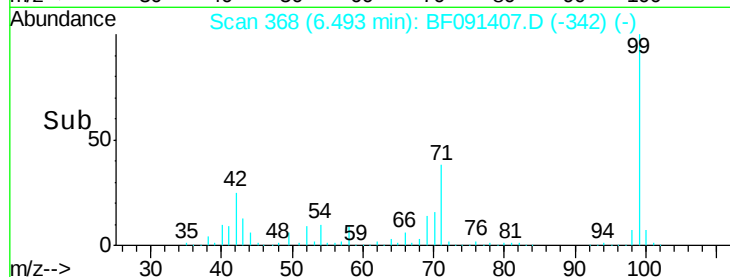
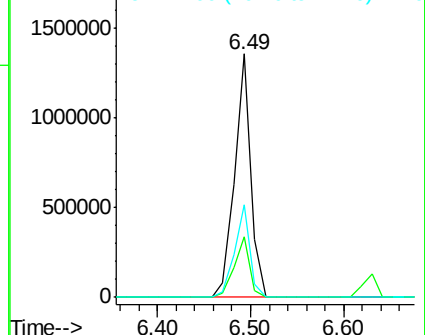
71 38.2 29.9 44.9



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: 3.50 ng

RT: 6.63 min Scan# 380

Delta R.T. 0.21 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

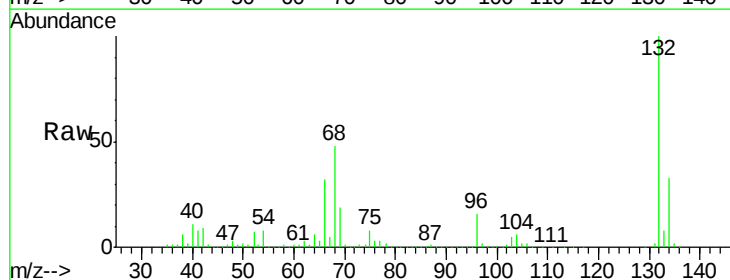
Tgt Ion: 77 Resp: 36424

Ion Ratio Lower Upper

77 100

105 73.5 66.4 106.4

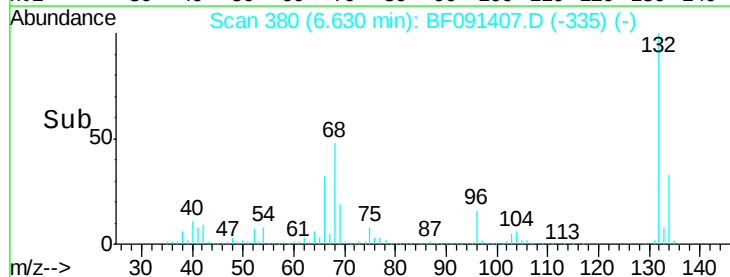
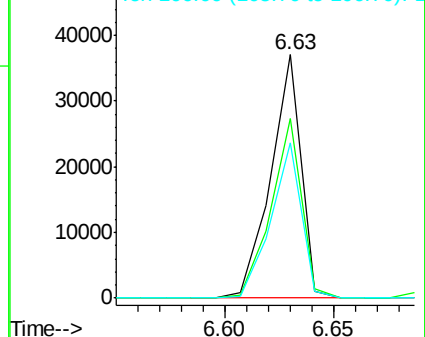
106 63.6 60.9 100.9

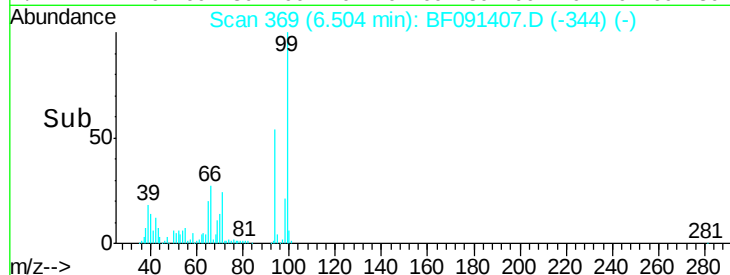
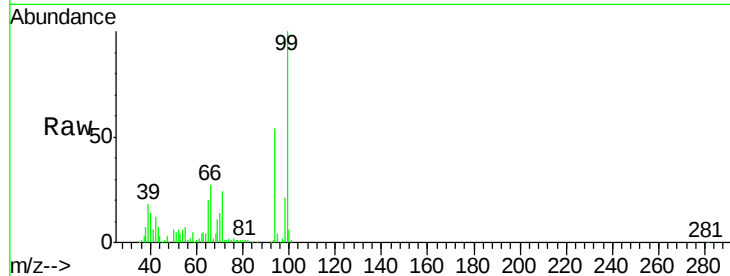
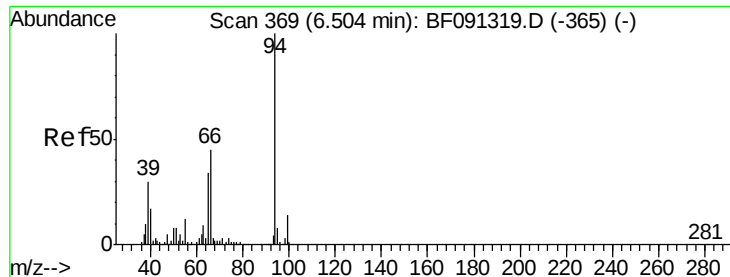


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 6.89 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

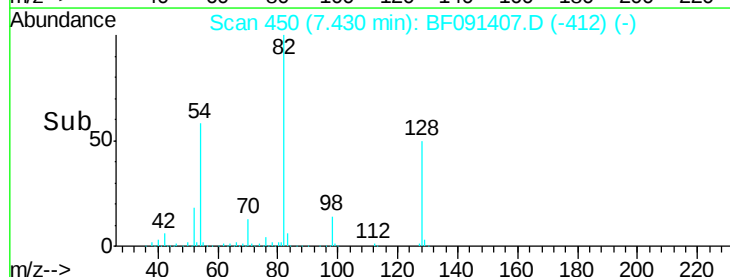
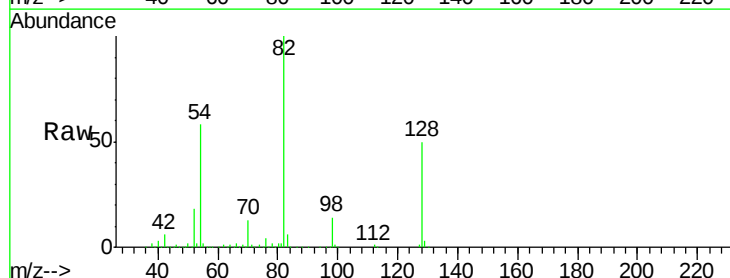
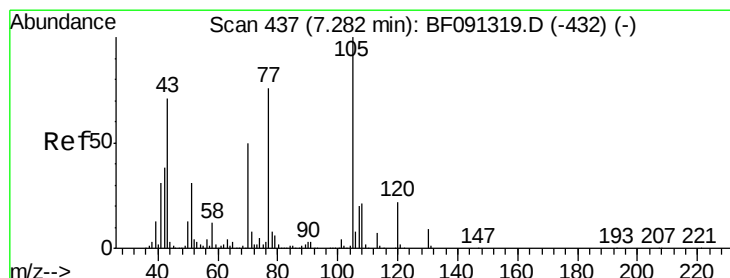
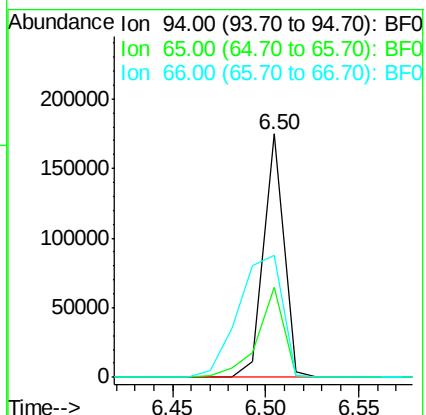
Tgt Ion: 94 Resp: 131075

Ion Ratio Lower Upper

94 100

65 37.2 16.9 56.9

66 50.3 30.6 70.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.24 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.13 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Tgt Ion: 70 Resp: 165441

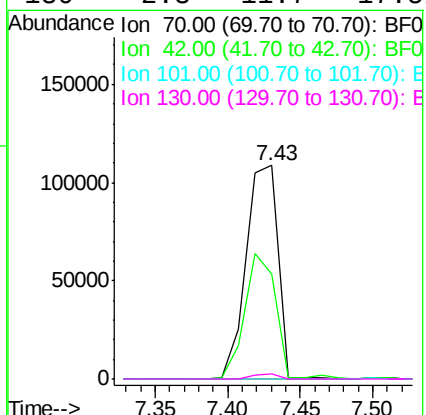
Ion Ratio Lower Upper

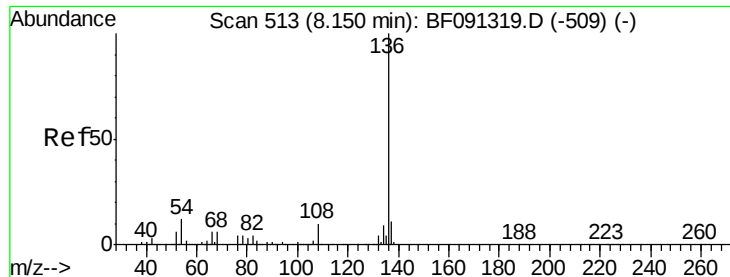
70 100

42 48.9 64.8 97.2#

101 0.0 6.2 9.4#

130 2.3 11.7 17.5#

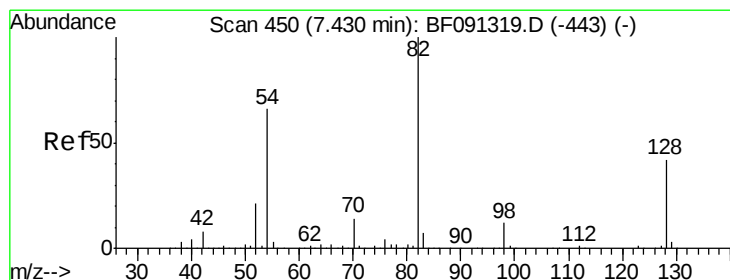
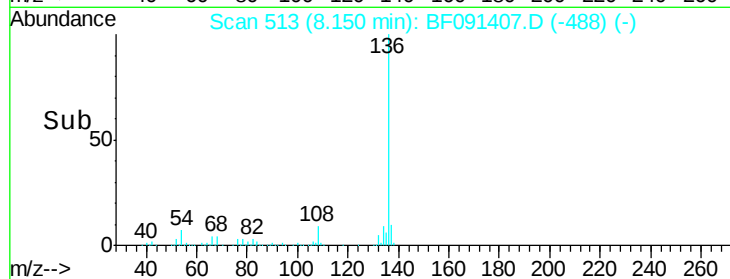
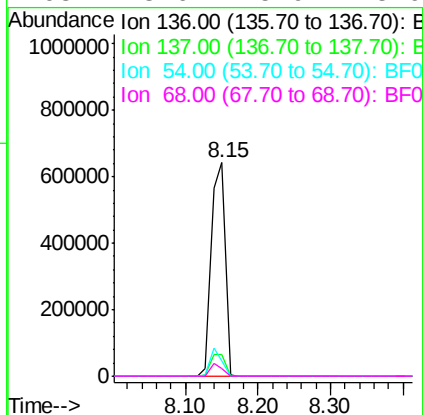
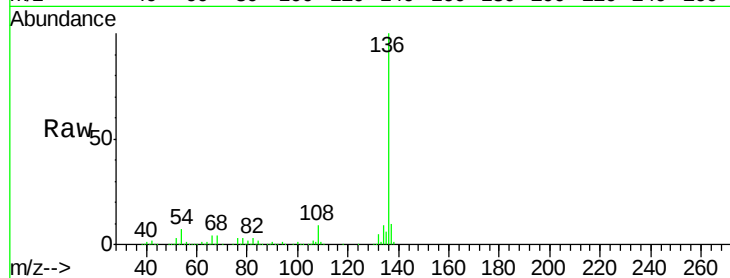




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

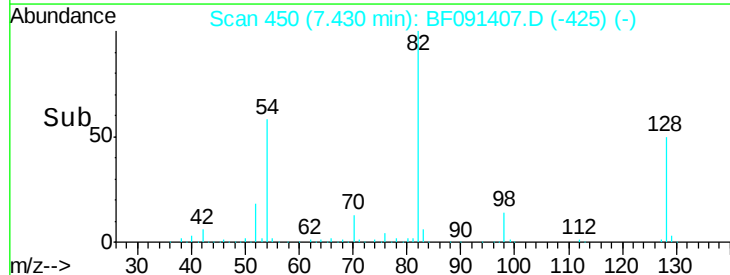
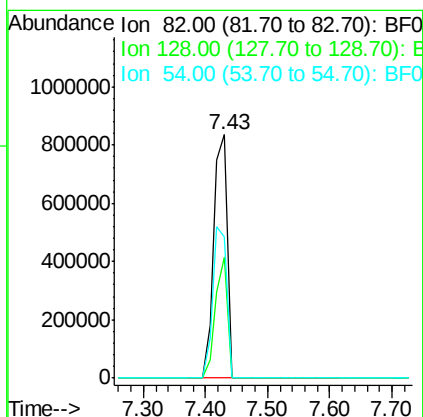
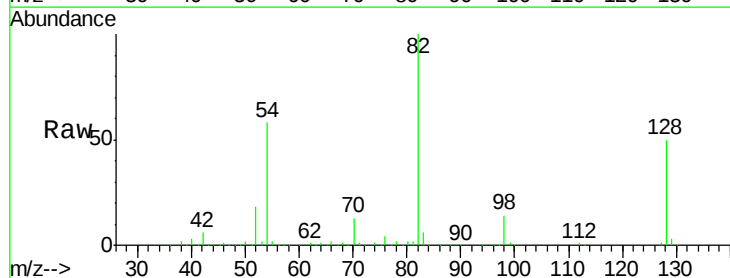
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

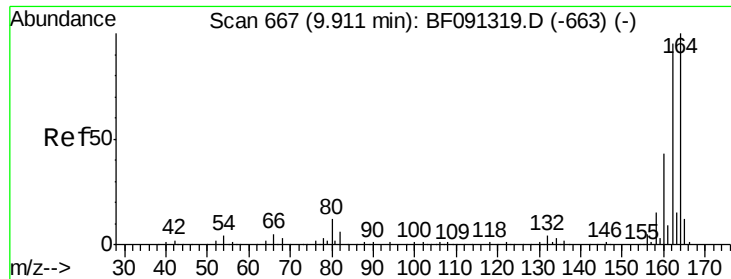
Tgt Ion:	136	Resp:	851607
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	7.1	9.1	13.7#
68	3.6	5.9	8.9#



#23
Nitrobenzene-d5
Concen: 80.34 ng
RT: 7.43 min Scan# 450
Delta R.T. -0.02 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion:	82	Resp:	1220933
Ion	Ratio	Lower	Upper
82	100		
128	49.7	31.8	47.6#
54	57.8	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: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

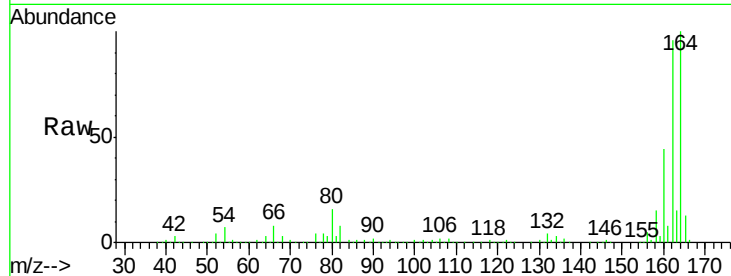
Tgt Ion:164 Resp: 484851

Ion Ratio Lower Upper

164 100

162 96.1 82.6 124.0

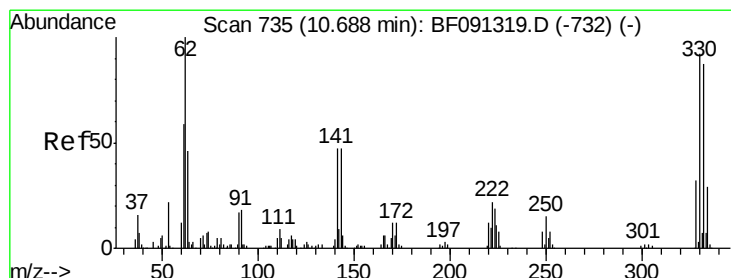
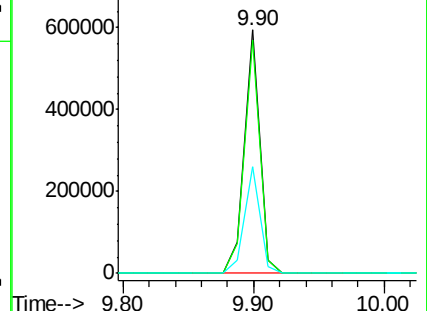
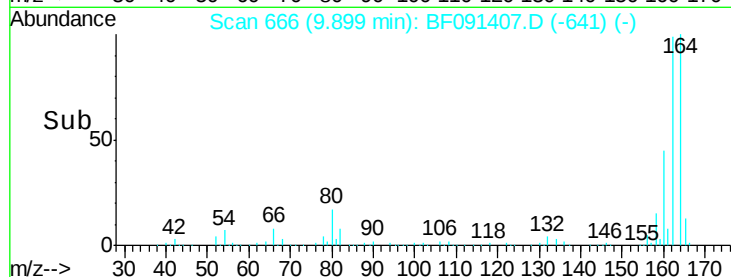
160 43.7 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 91.53 ng

RT: 10.69 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

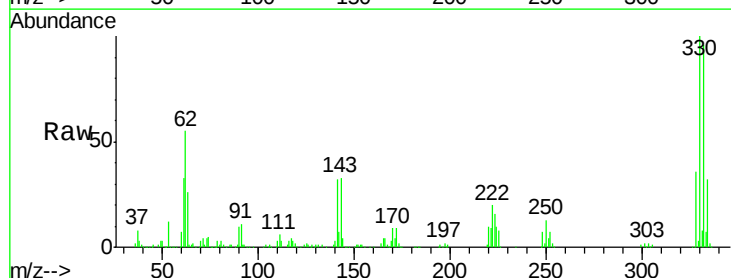
Tgt Ion:330 Resp: 420154

Ion Ratio Lower Upper

330 100

332 96.3 76.2 114.4

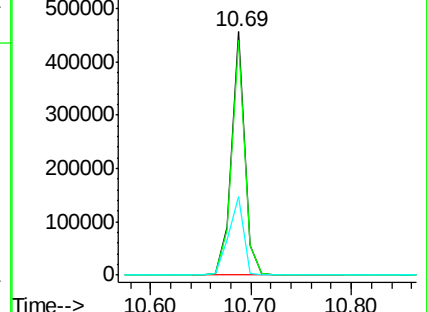
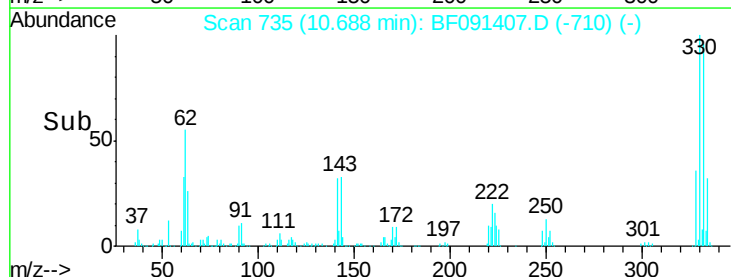
141 36.2 33.6 50.4

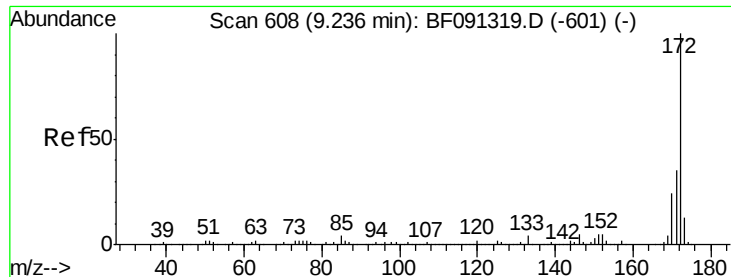


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

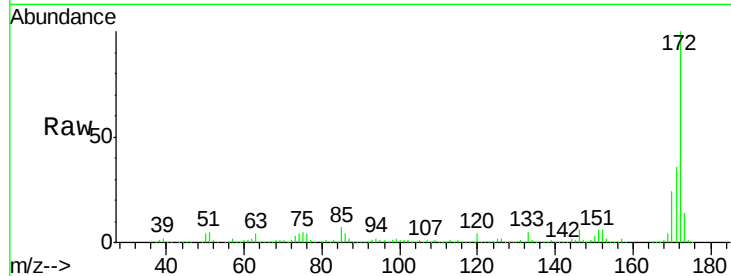




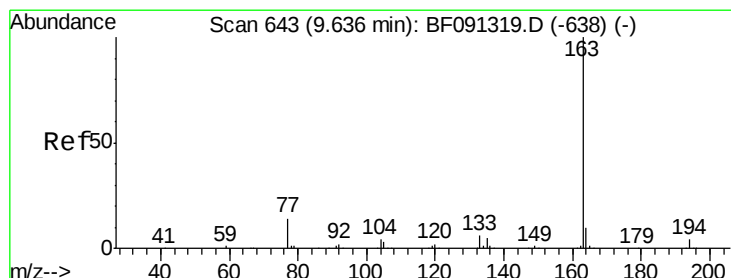
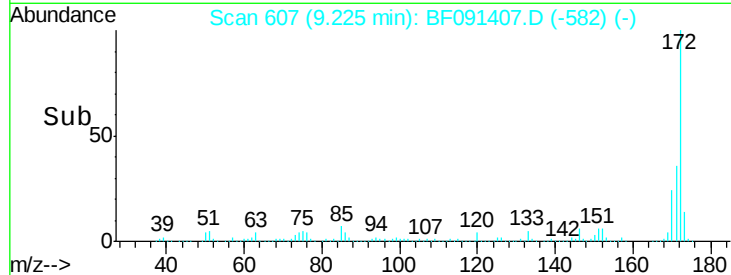
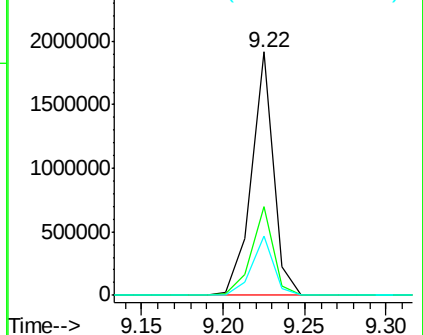
#44
 2-Fluorobiphenyl
 Concen: 67.13 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 GRID-MM4-5

Tgt Ion:172 Resp: 1797708
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.2 19.7 29.5

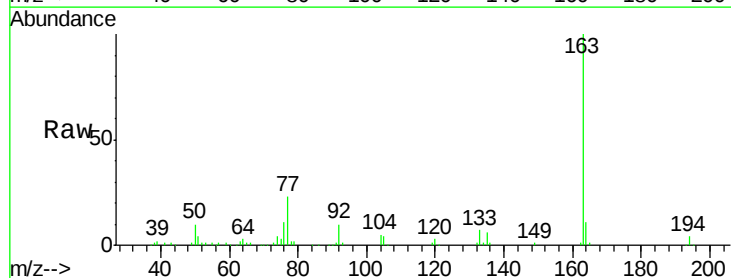


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

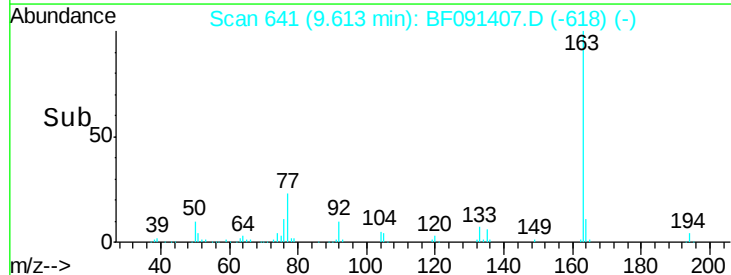
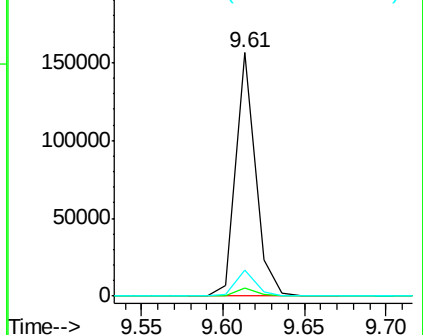


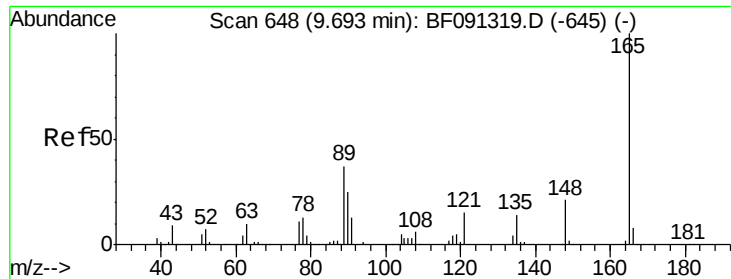
#49
 Dimethylphthalate
 Concen: 4.40 ng
 RT: 9.61 min Scan# 641
 Delta R.T. -0.04 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Tgt Ion:163 Resp: 129098
 Ion Ratio Lower Upper
 163 100
 194 3.5 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

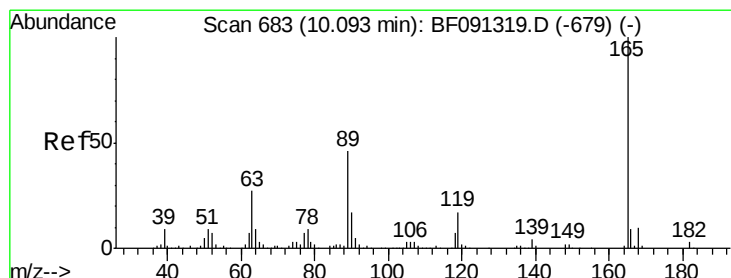
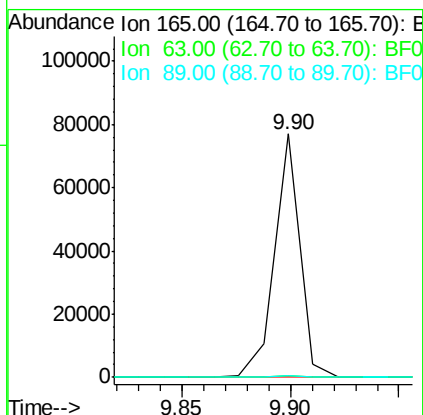
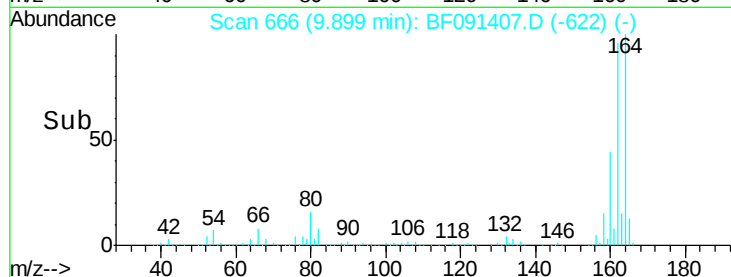
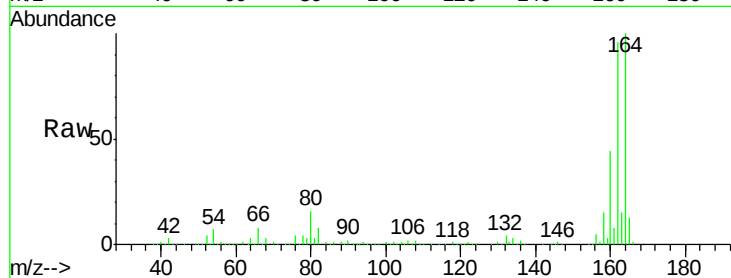




#50
 2,6-Dinitrotoluene
 Concen: 9.66 ng
 RT: 9.90 min Scan# 666
 Delta R.T. 0.20 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

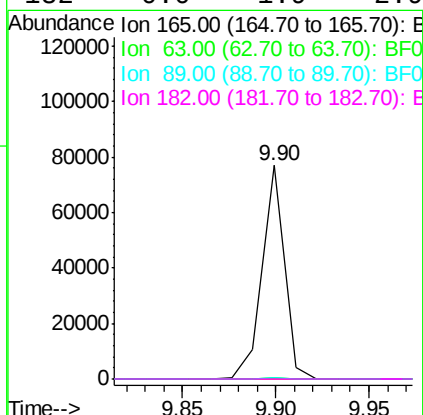
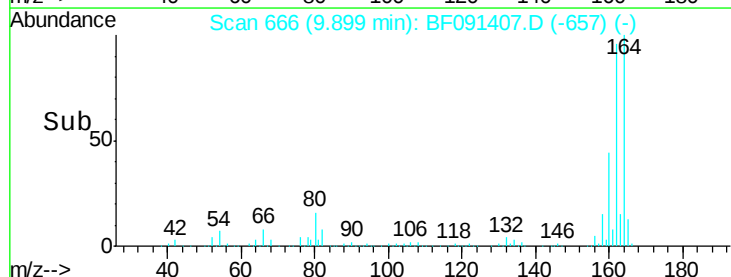
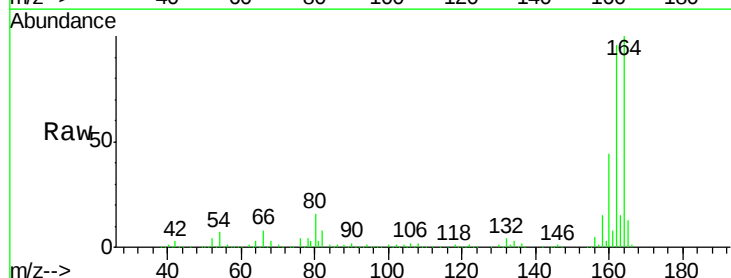
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 BNA_F
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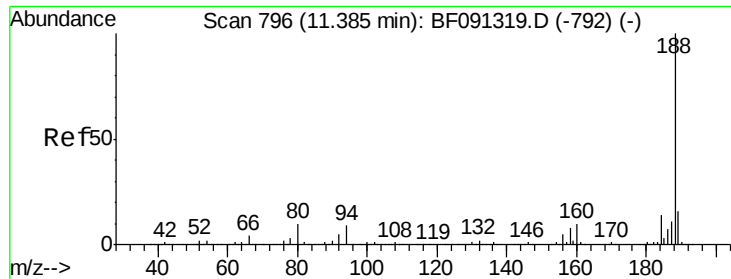
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	59.4	89.0#
89	0.7	50.8	76.2#



#56
 2,4-Dinitrotoluene
 Concen: 7.45 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091407.D
 Acq: 2 Dec 2016 23:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.0	43.4#
89	0.7	43.1	64.7#
182	0.0	1.9	2.9#

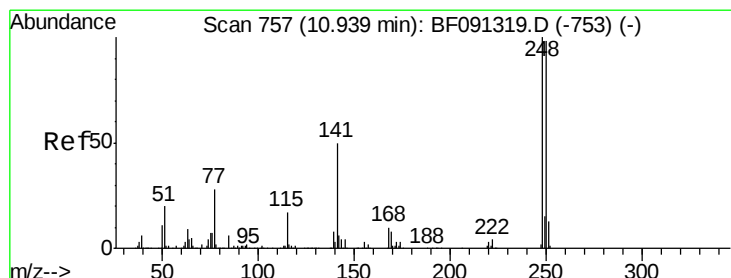
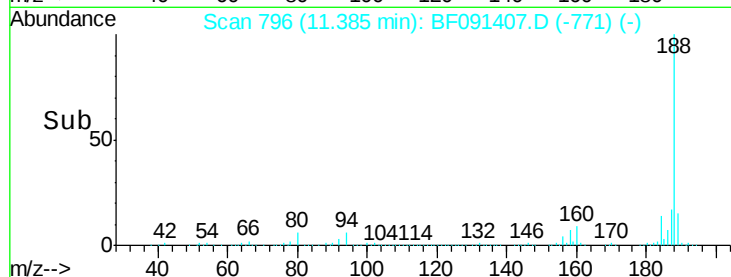
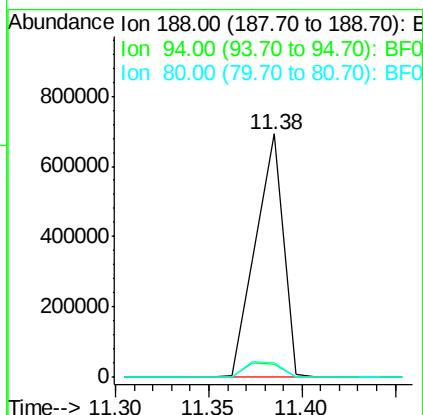
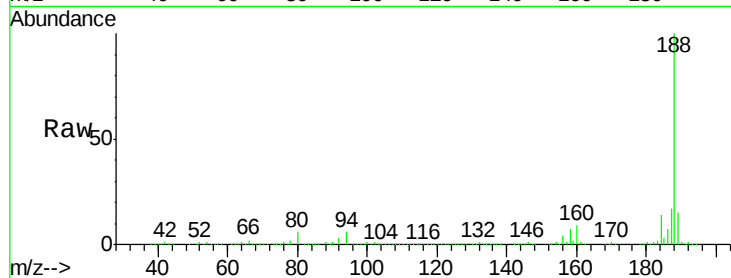




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

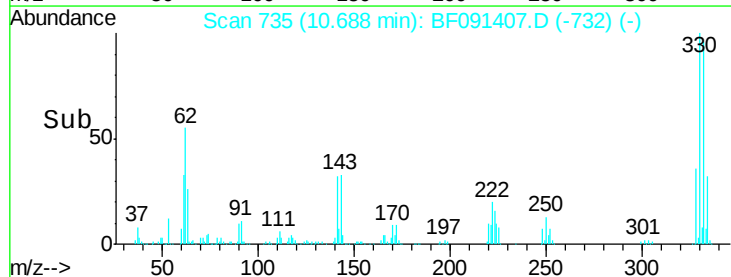
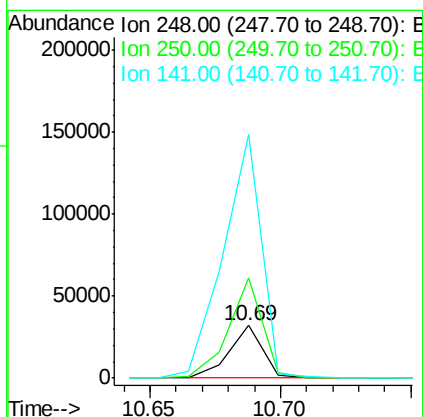
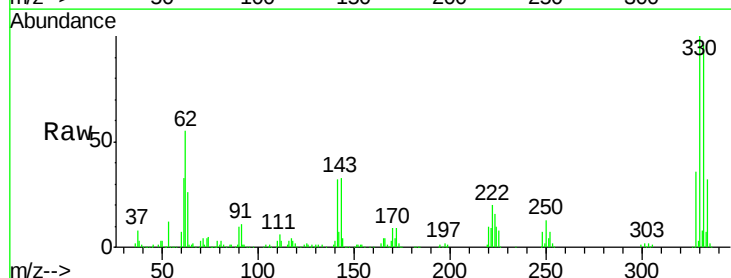
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

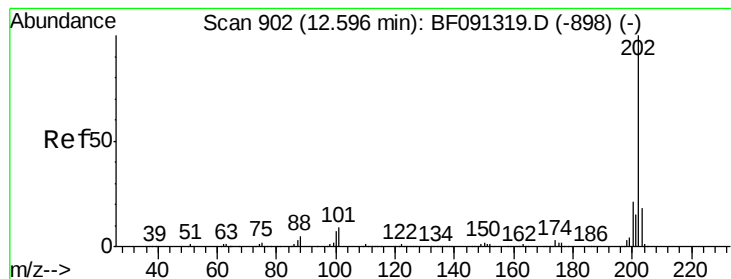
Tgt Ion:188 Resp: 717081
Ion Ratio Lower Upper
188 100
94 5.6 9.2 13.8#
80 5.9 10.5 15.7#



#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.27 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion:248 Resp: 28835
Ion Ratio Lower Upper
248 100
250 190.8 78.2 117.4#
141 460.7 71.9 107.9#





#74

Fluoranthene

Concen: 4.58 ng

RT: 12.59 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

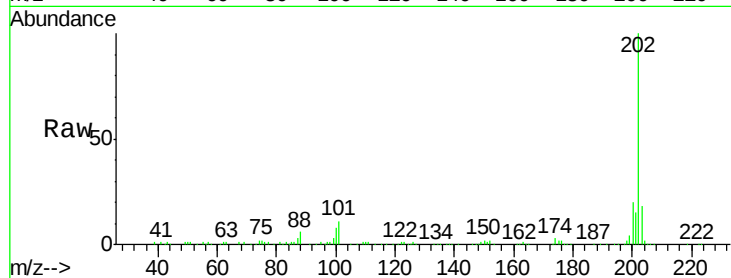
Tgt Ion:202 Resp: 161585

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.5

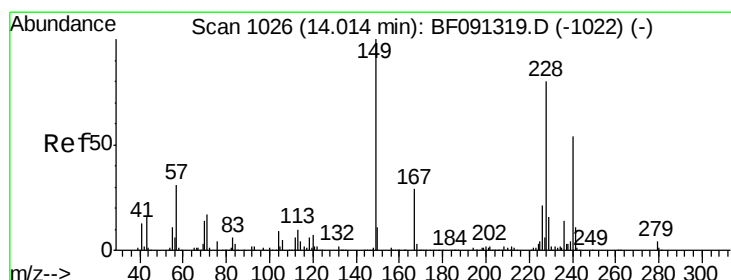
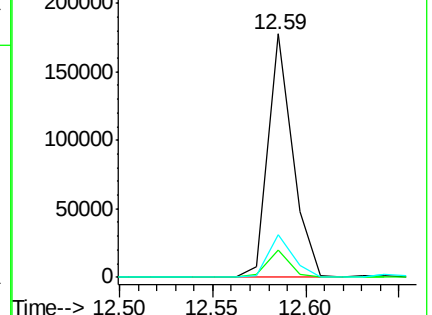
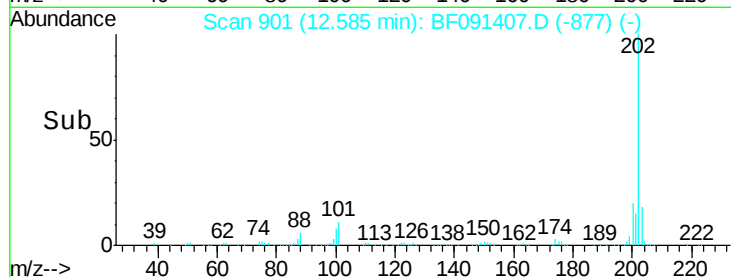
203 17.7 0.0 37.8



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: BF091407.D

Acq: 2 Dec 2016 23:33

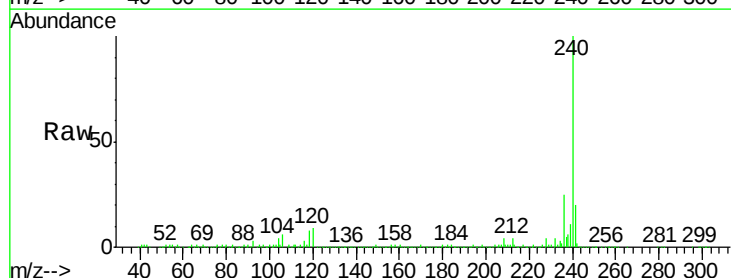
Tgt Ion:240 Resp: 528498

Ion Ratio Lower Upper

240 100

120 9.2 12.1 18.1#

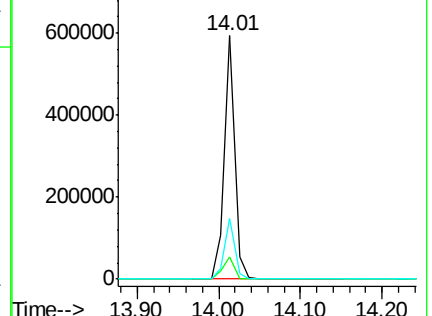
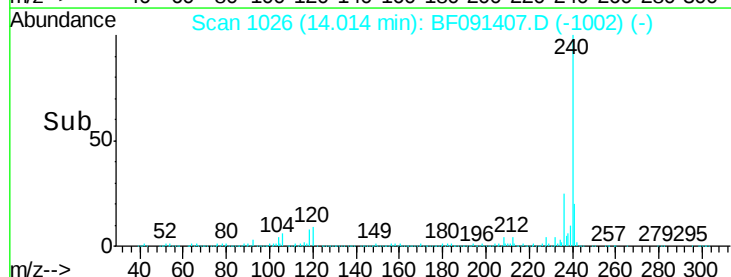
236 25.0 21.0 31.6

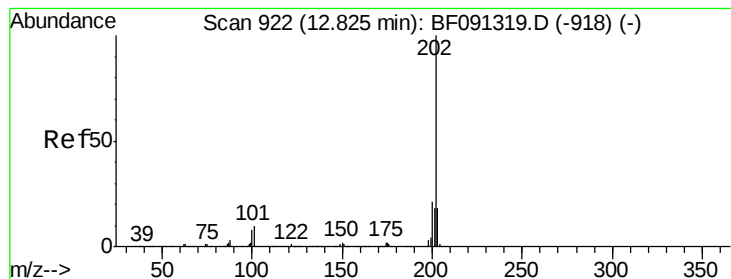


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.99 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.03 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

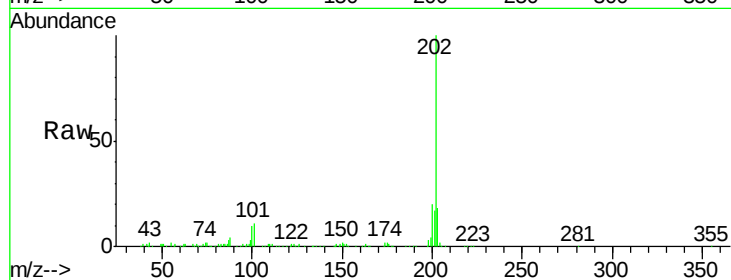
Tgt Ion: 202 Resp: 159887

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

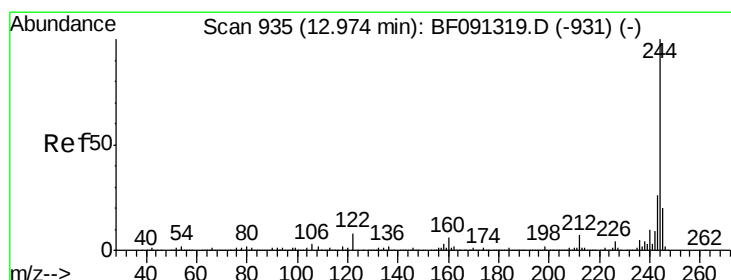
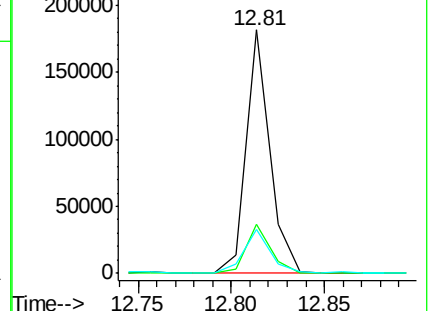
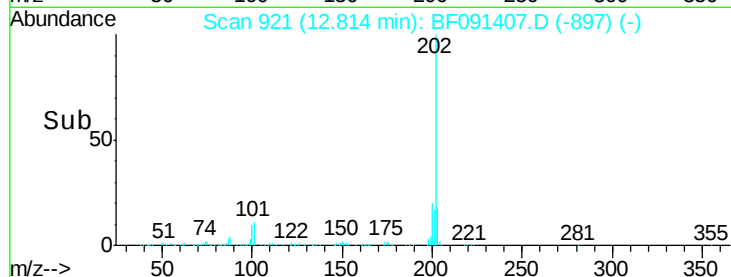
203 18.0 14.0 21.0



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: 63.54 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

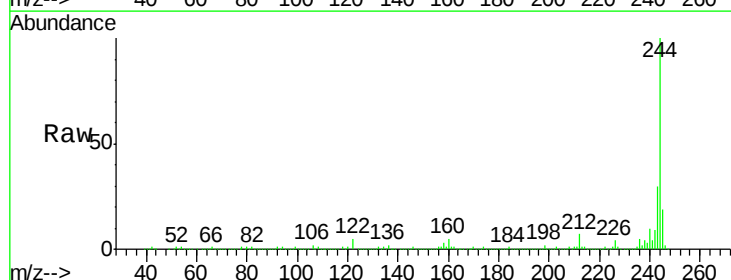
Tgt Ion: 244 Resp: 1545088

Ion Ratio Lower Upper

244 100

212 6.5 6.5 9.7

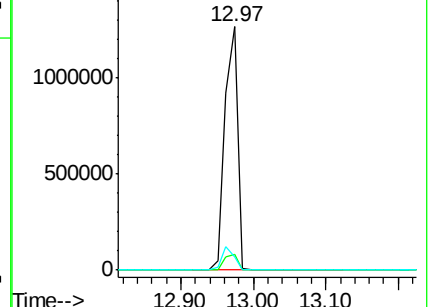
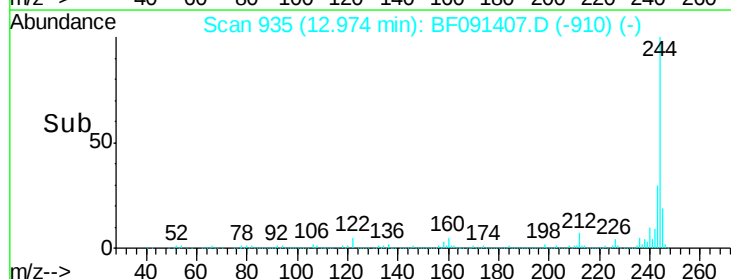
122 5.2 9.5 14.3#

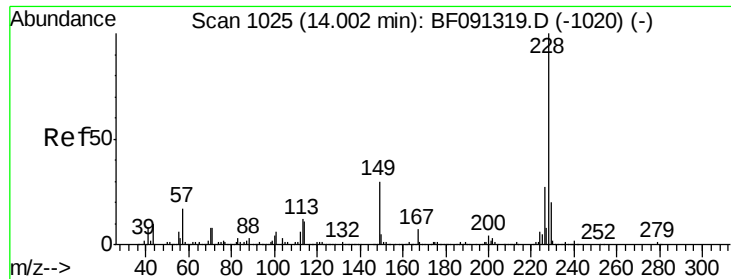


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.62 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

Instrument :

BNA_F

ClientSampleId :

GRID-MM4-5

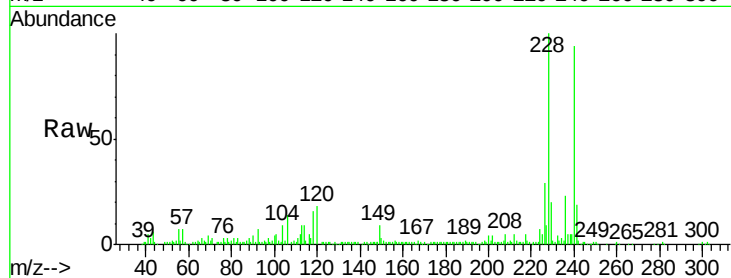
Tgt Ion:228 Resp: 111800

Ion Ratio Lower Upper

228 100

226 29.1 22.5 33.7

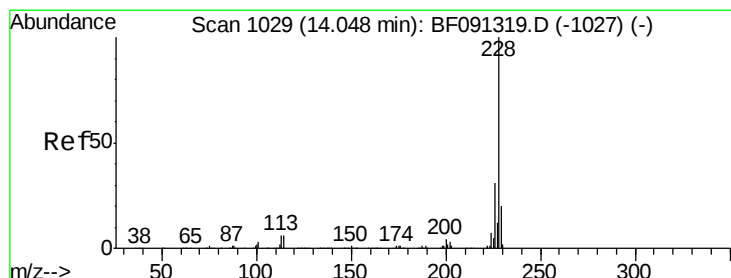
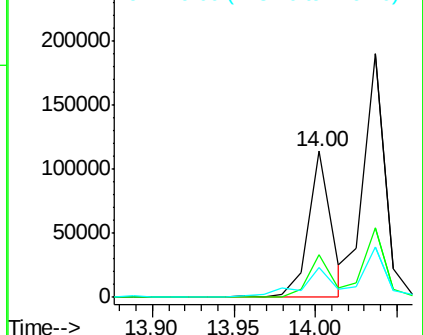
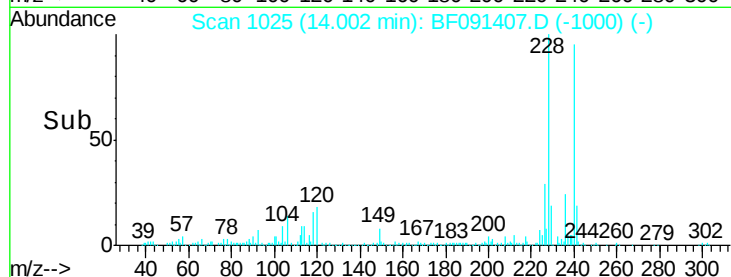
229 20.2 16.4 24.6



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: 5.67 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF091407.D

Acq: 2 Dec 2016 23:33

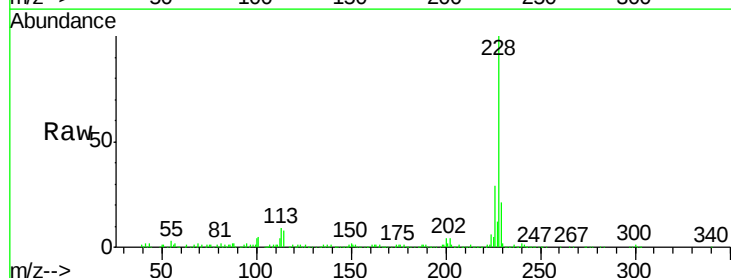
Tgt Ion:228 Resp: 173429

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.4

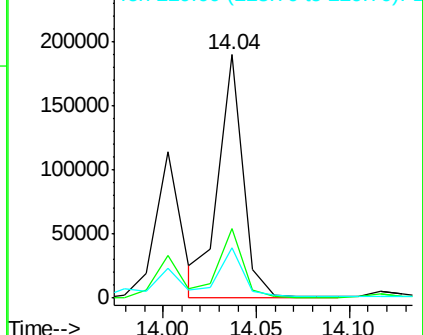
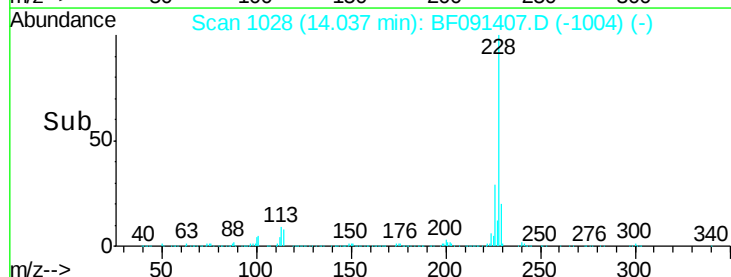
229 20.6 16.0 24.0

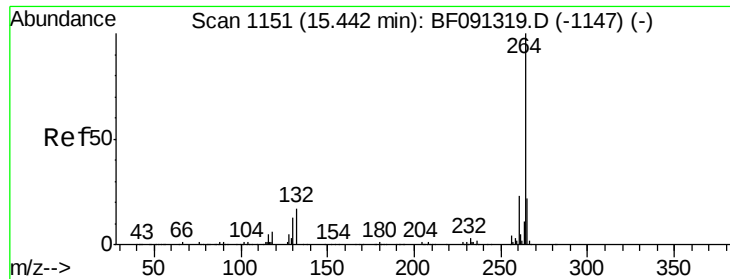


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

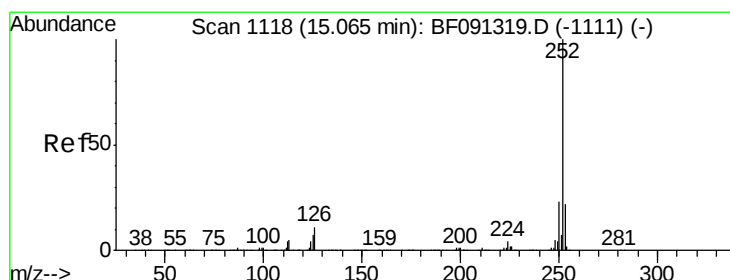
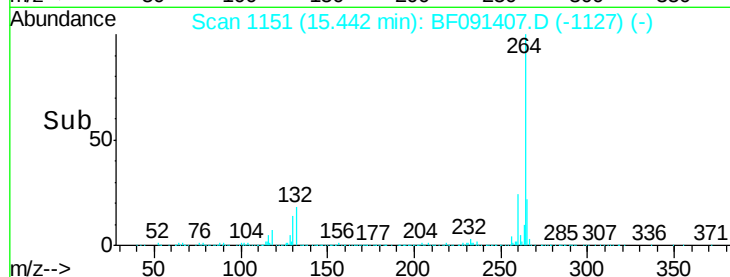
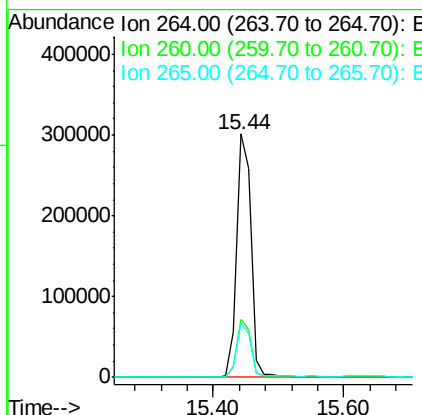
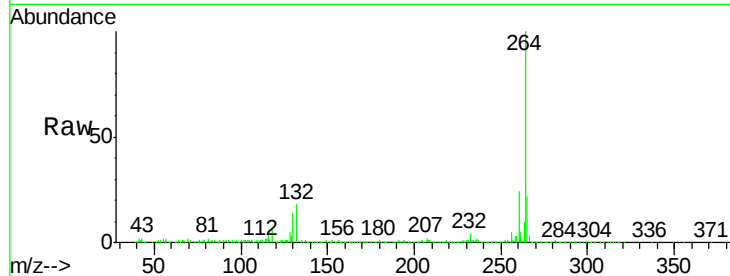




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

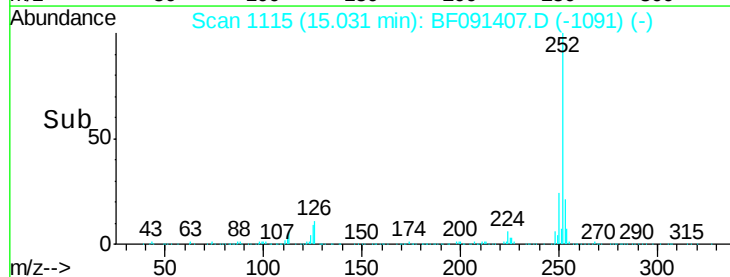
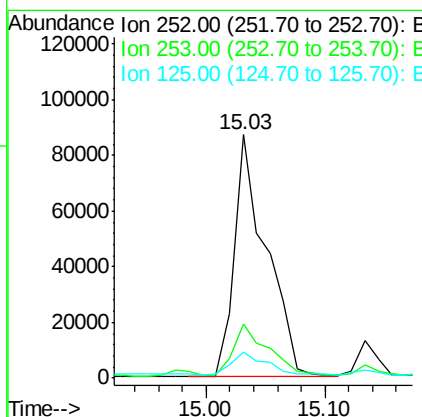
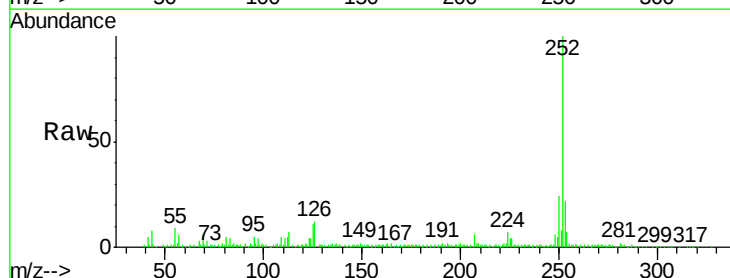
Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

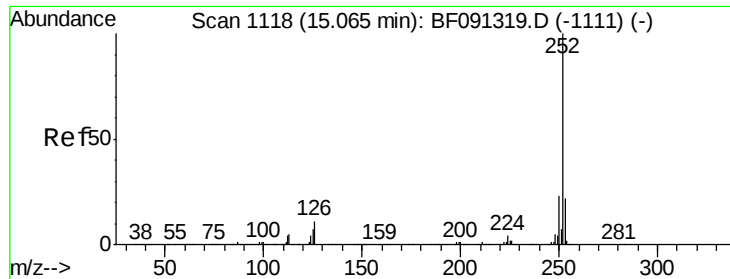
Tgt Ion:264 Resp: 450721
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.3 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 5.80 ng
RT: 15.03 min Scan# 1115
Delta R.T. -0.03 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion:252 Resp: 162609
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.7 8.6 13.0

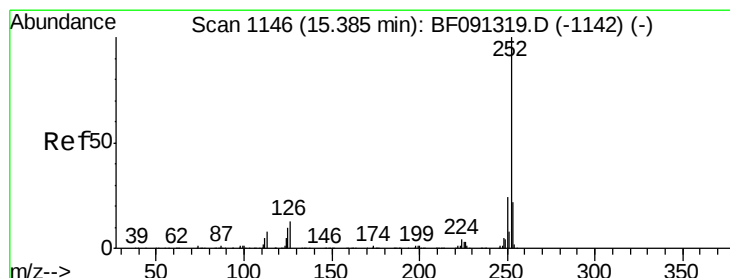
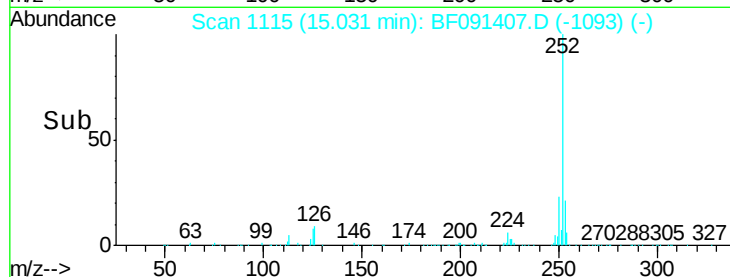
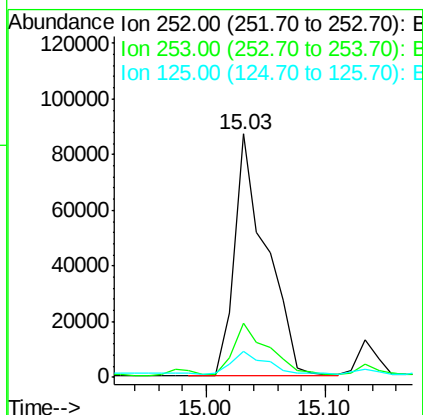
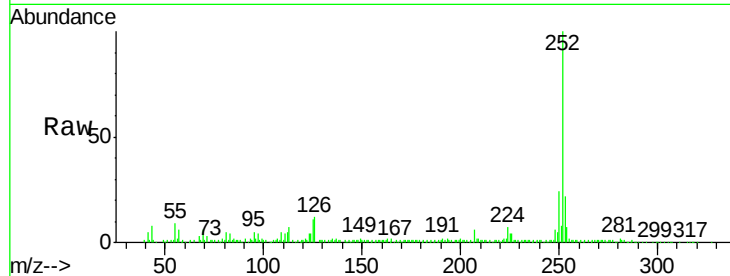




#88
Benzo(k)fluoranthene
Concen: 6.90 ng
RT: 15.03 min Scan# 1115
Delta R.T. -0.05 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Instrument :
BNA_F
ClientSampleId :
GRID-MM4-5

Tgt Ion:252 Resp: 162609
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 10.7 9.6 14.4



#89
Benzo(a)pyrene
Concen: 2.16 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.09 min
Lab File: BF091407.D
Acq: 2 Dec 2016 23:33

Tgt Ion:252 Resp: 54360
Ion Ratio Lower Upper
252 100
253 27.0 18.2 27.4
125 12.6 10.4 15.6

