

Data Path : Z:\HPCHEM1\BNA F\Data\BF123016\
 Data File : BF092048.D
 Acq On : 30 Dec 2016 15:54
 Operator : UM/SJ
 Sample : H6314-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

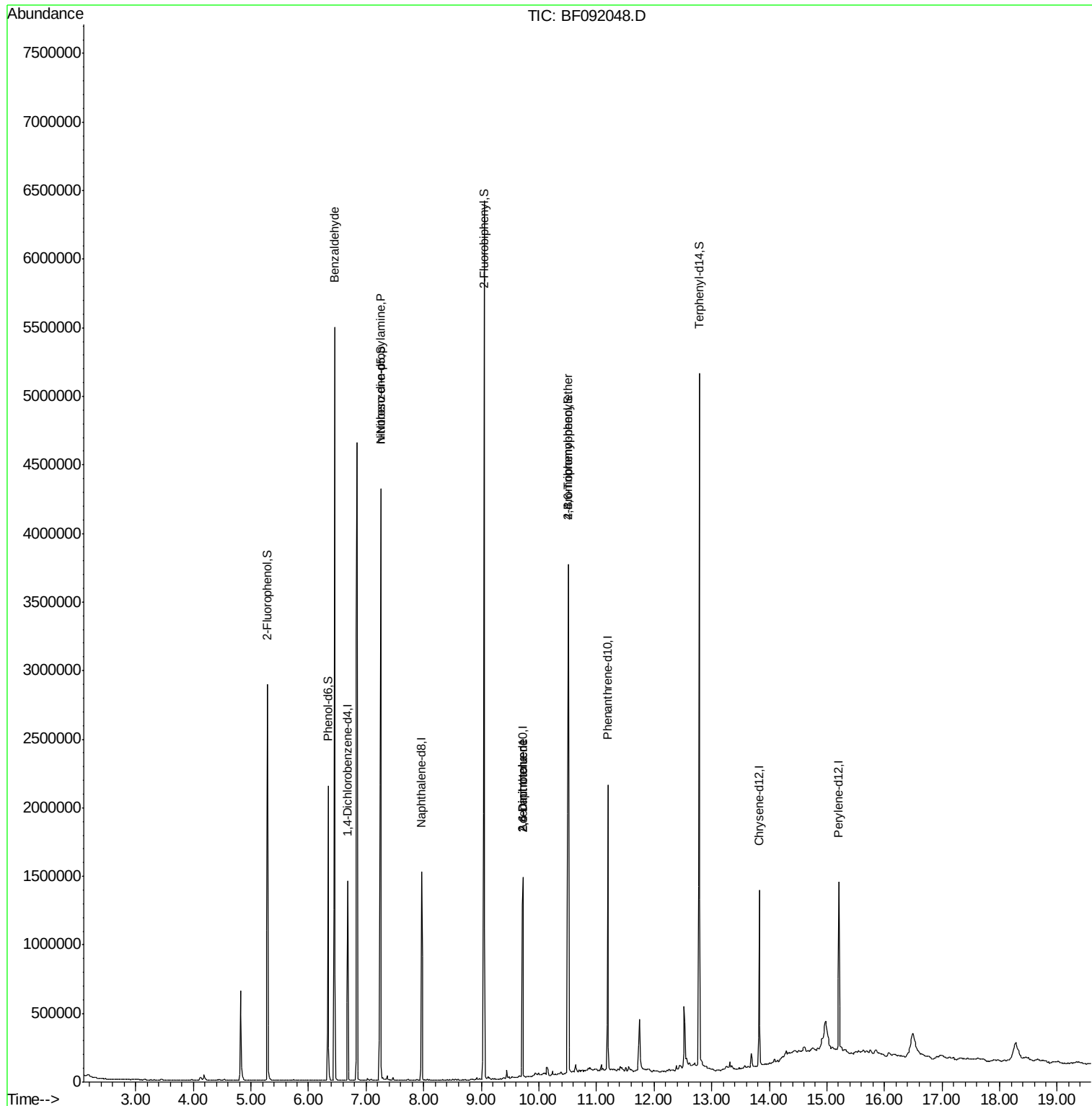
Quant Time: Dec 30 16:39:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

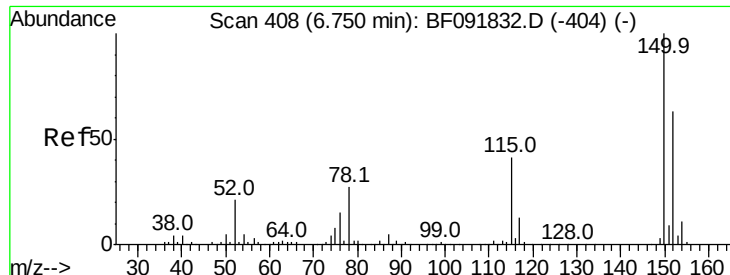
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	241190	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	872231	20.00	ng	-0.03
38) Acenaphthene-d10	9.72	164	459643	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	702181	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	440778	20.00	ng	-0.05
86) Perylene-d12	15.21	264	543056	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	897524	62.13	ng	-0.03
7) Phenol-d6	6.34	99	693406	39.32	ng	-0.05
23) Nitrobenzene-d5	7.25	82	1674906	106.78	ng	-0.03
41) 2,4,6-Tribromophenol	10.51	330	480145	126.22	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	2170895	98.88	ng	-0.03
78) Terphenyl-d14	12.78	244	1714731	94.35	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.45	77	34780	2.41	ng	# 72
19) n-Nitroso-di-n-propylamine	7.25	70	226105	19.27	ng	# 76
50) 2,6-Dinitrotoluene	9.72	165	58181	9.04	ng	# 30
56) 2,4-Dinitrotoluene	9.72	165	58172	7.20	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	32387	4.43	ng	# 1
71) Anthracene	11.26	178	795	Below Cal	#	1
73) Di-n-butylphthalate	11.77	149	28613	Below Cal		97
74) Fluoranthene	12.50	202	434	Below Cal		61

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

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Sample    : H6314-07  
Misc      :  
ALS Vial  : 10      Sample Multiplier: 1
```

Quant Time: Dec 30 16:39:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 17:32:10 2016
Response via : Initial Calibration



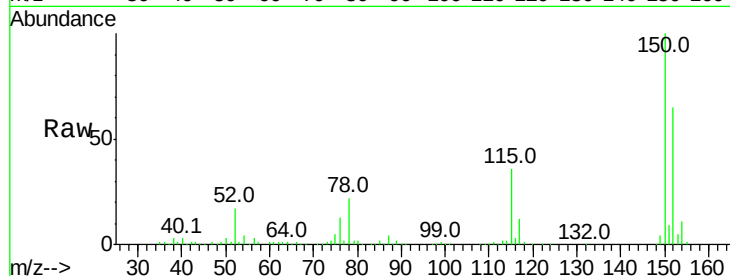


#1

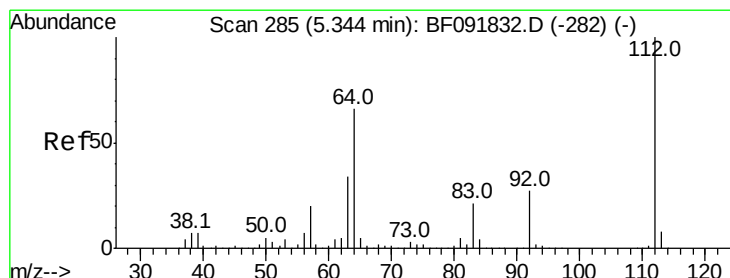
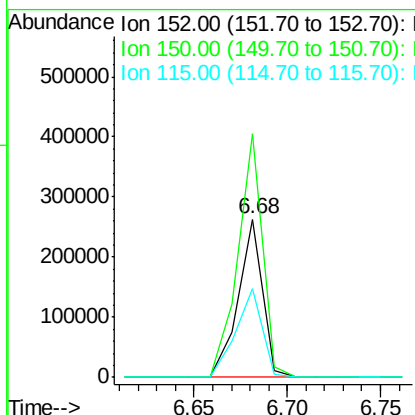
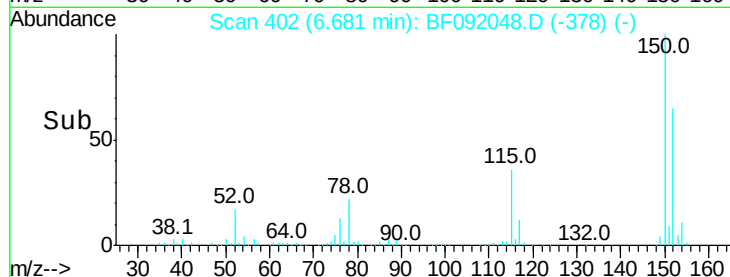
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF092048.D
Acq: 30 Dec 2016 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 241190
Ion Ratio Lower Upper
152 100
150 154.0 124.9 187.3
115 56.0 46.0 69.0



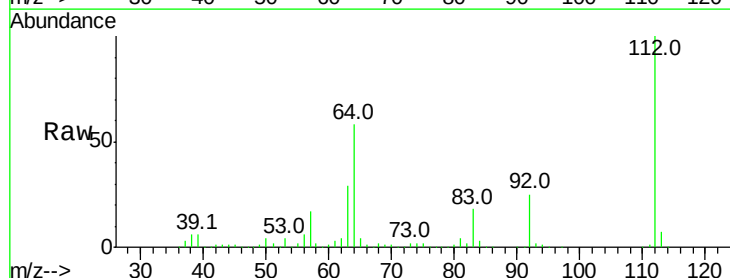
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



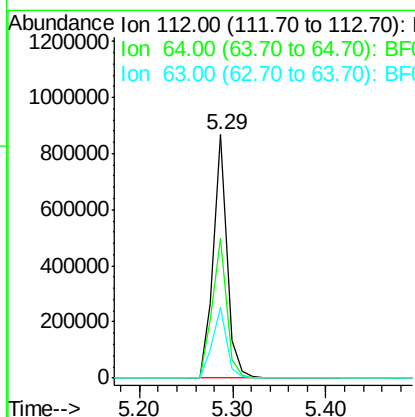
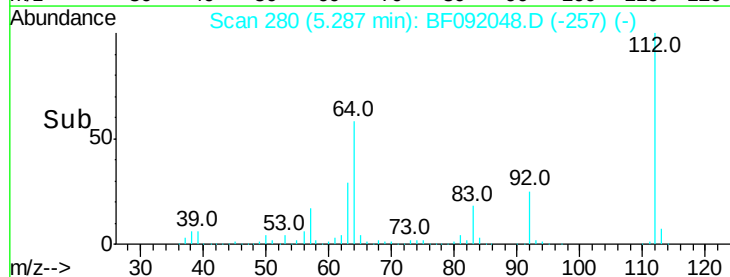
#5

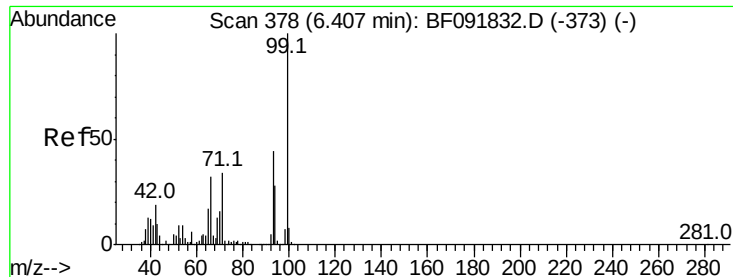
2-Fluorophenol
Concen: 62.13 ng
RT: 5.29 min Scan# 280
Delta R.T. -0.03 min
Lab File: BF092048.D
Acq: 30 Dec 2016 15:54

Tgt Ion:112 Resp: 897524
Ion Ratio Lower Upper
112 100
64 57.6 46.1 69.1
63 29.1 23.8 35.6



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: 39.32 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.05 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

Instrument :

BNA_F

ClientSampled :

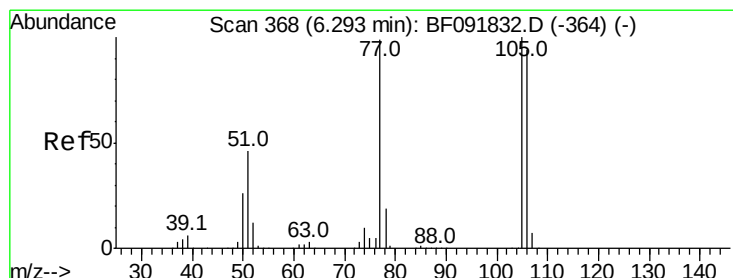
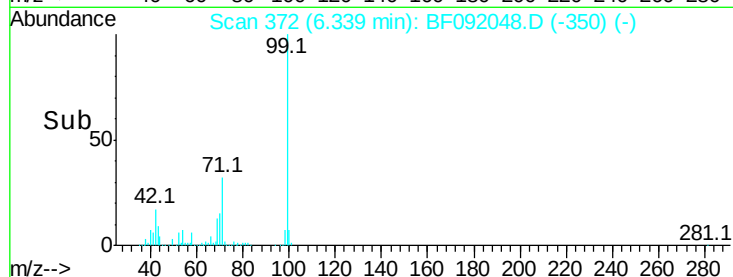
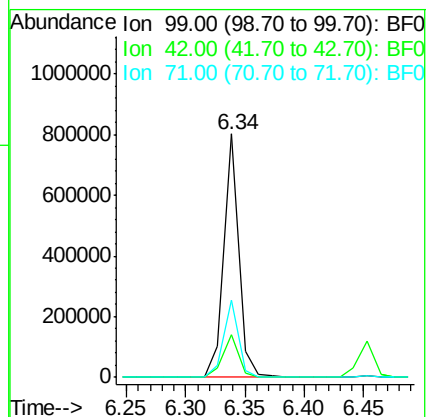
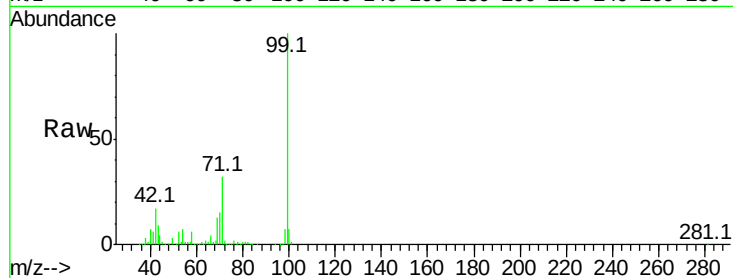
Tot Ion: 99 Resp: 693406

Ion Ratio Lower Upper

99 100

42 17.3 15.6 23.4

71 31.5 27.5 41.3



#9

Benzaldehyde

Concen: 2.41 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.21 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

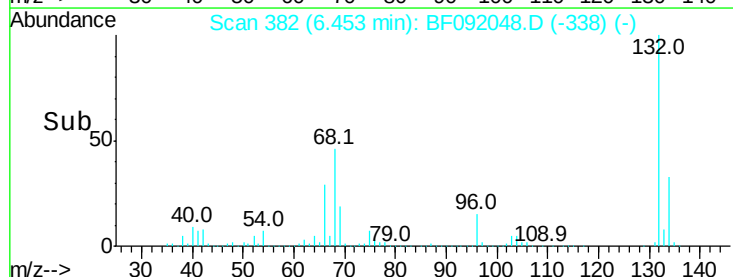
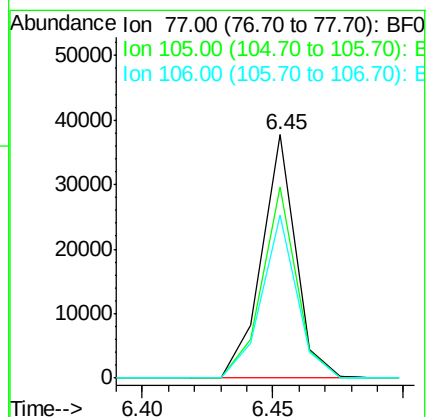
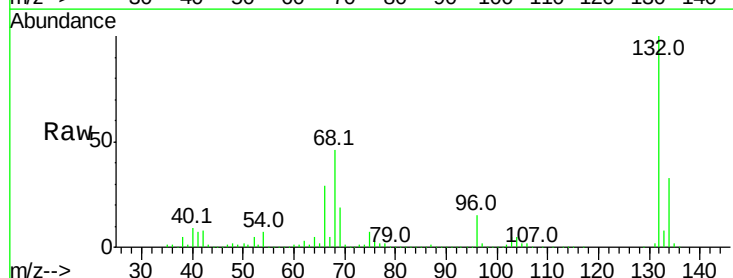
Tgt Ion: 77 Resp: 34780

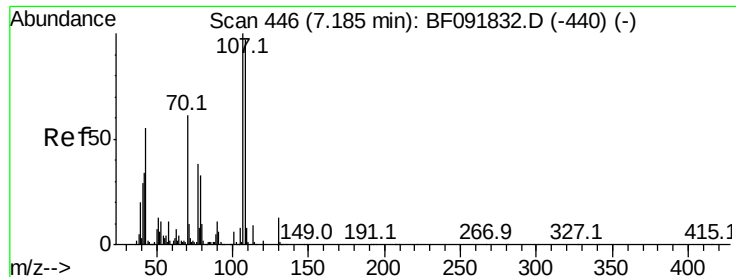
Ion Ratio Lower Upper

77 100

105 78.3 83.9 123.9#

106 66.7 77.6 117.6#





#19

n-Nitroso-di-n-propylamine

Concen: 19.27 ng

RT: 7.25 min Scan# 452

Delta R.T. 0.11 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 226105

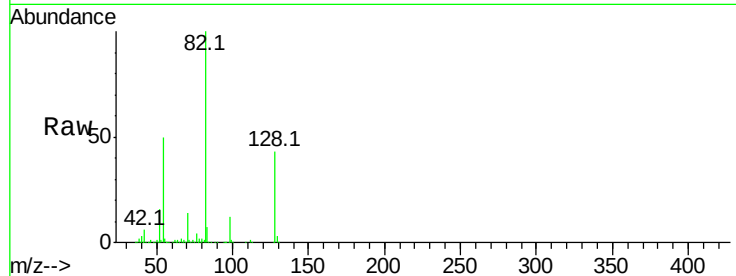
Ion Ratio Lower Upper

70 100

42 45.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

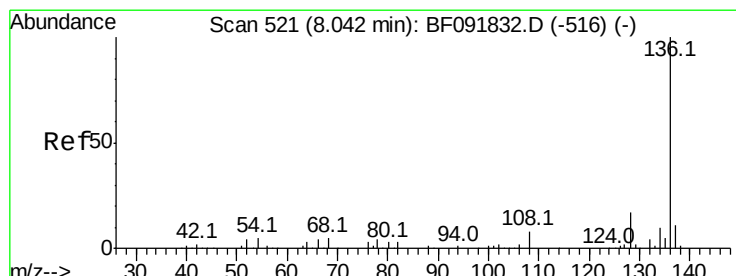
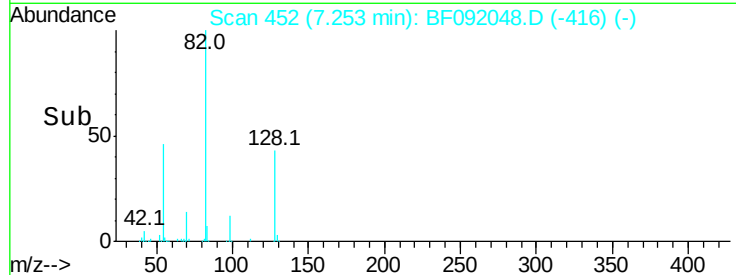
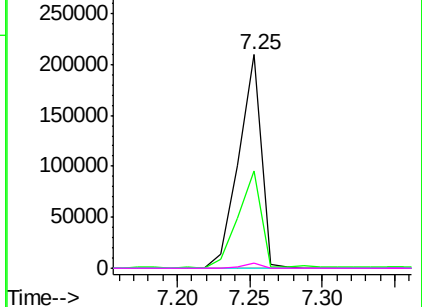


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.03 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

Tgt Ion: 136 Resp: 872231

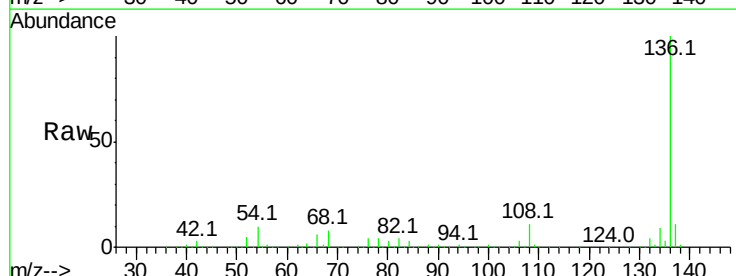
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 9.6 4.5 6.7#

68 7.5 3.6 5.4#

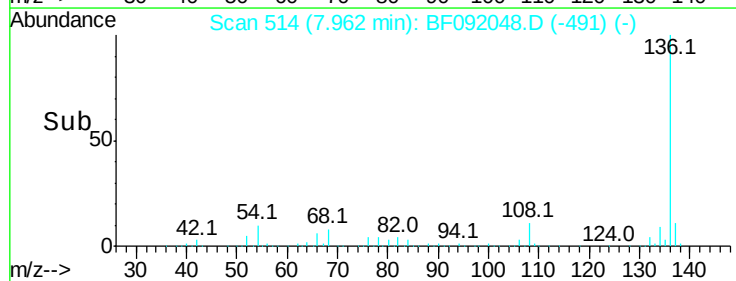
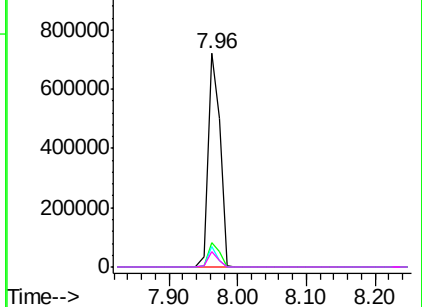


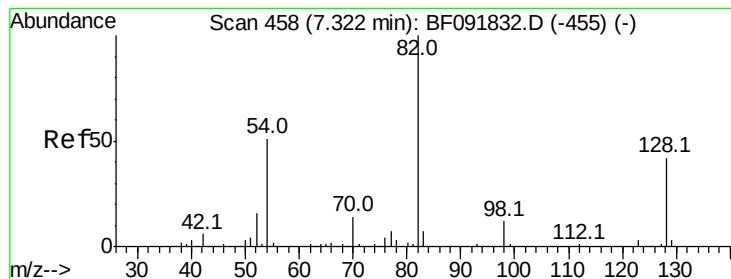
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 106.78 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.03 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

Instrument :

BNA_F

ClientSampleId :

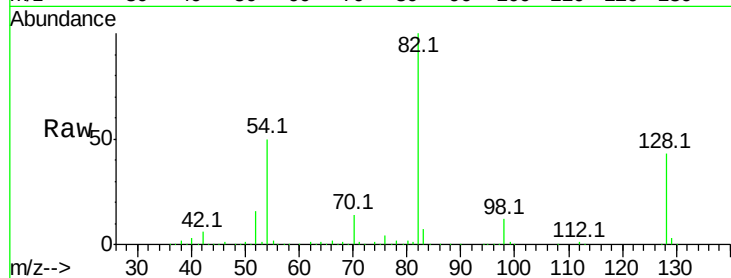
Tot Ion: 82 Resp: 1674906

Ion Ratio Lower Upper

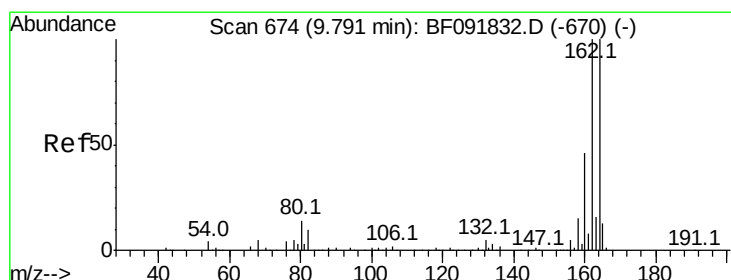
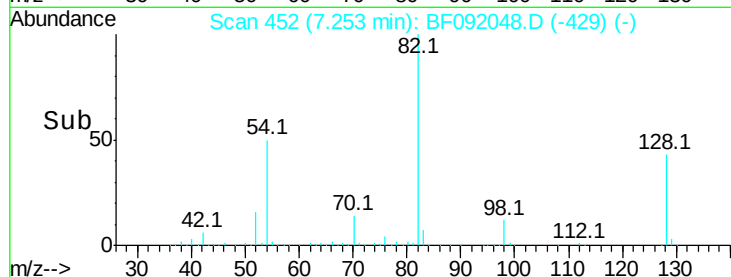
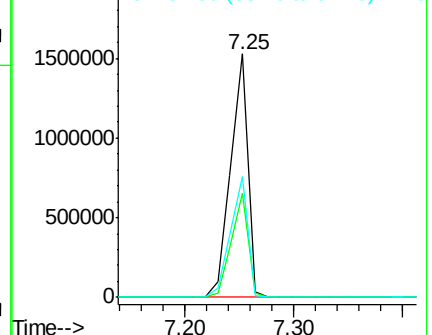
82 100

128 42.5 34.6 52.0

54 49.5 39.5 59.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

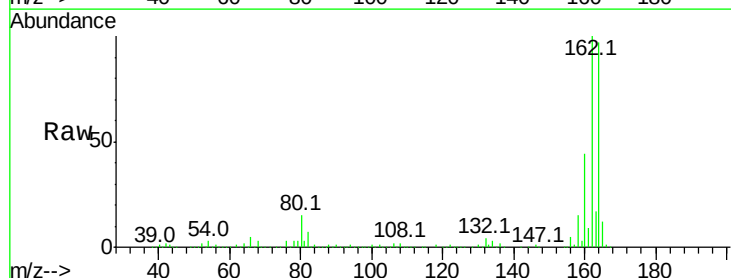
Tgt Ion:164 Resp: 459643

Ion Ratio Lower Upper

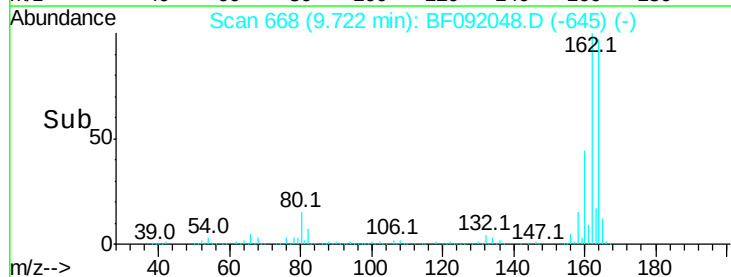
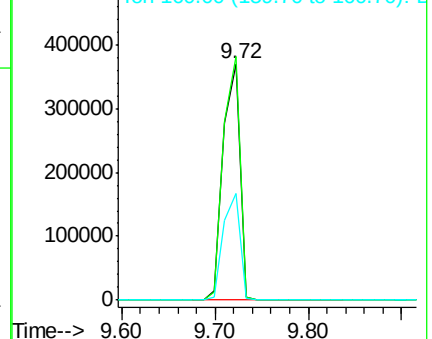
164 100

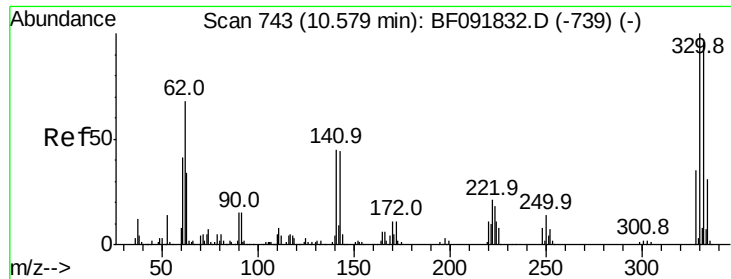
162 103.0 80.2 120.2

160 45.3 36.9 55.3



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

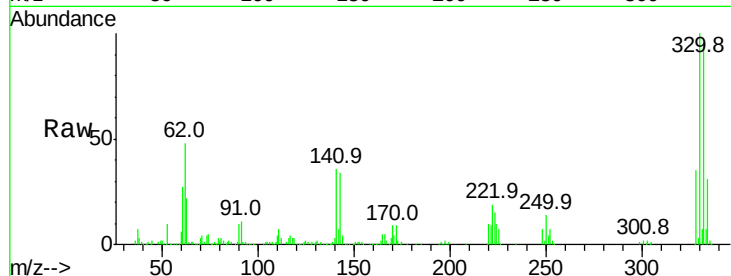




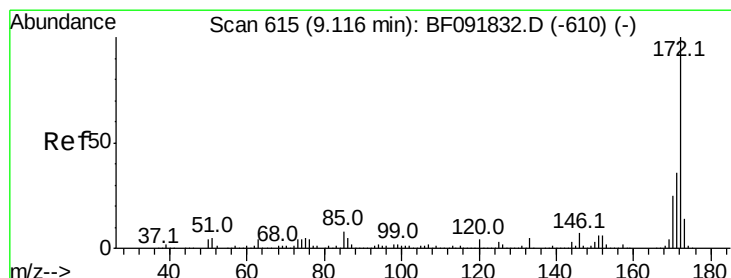
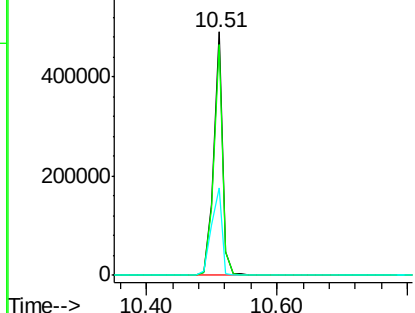
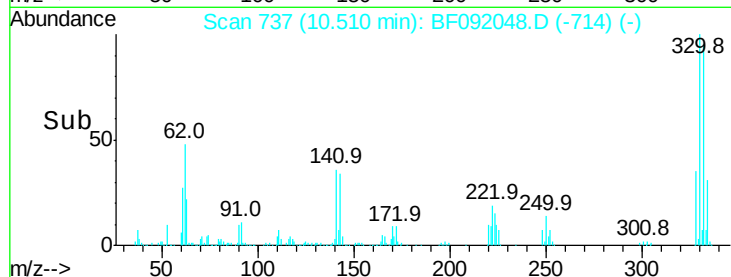
#41
 2,4,6-Tribromophenol
 Concen: 126.22 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.03 min
 Lab File: BF092048.D
 Acq: 30 Dec 2016 15:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 480145
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.4 116.2
 141 42.0 34.1 51.1

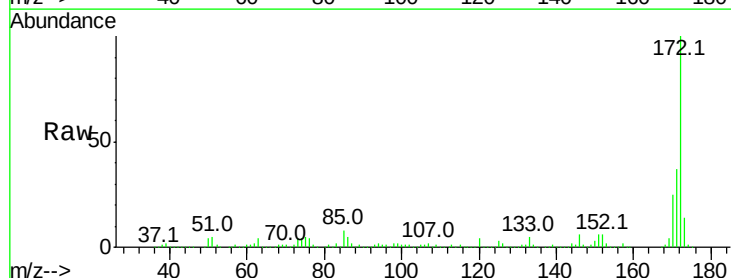


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

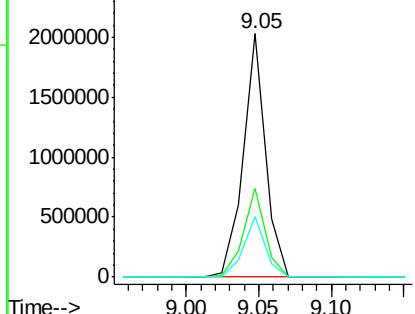
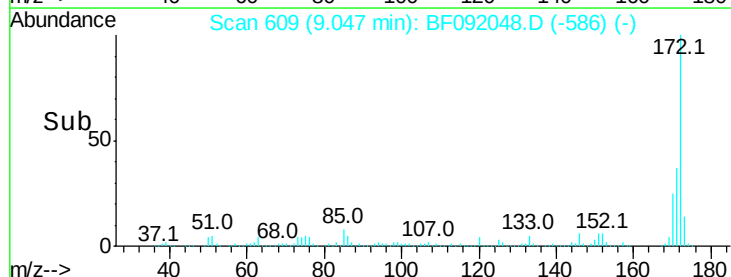


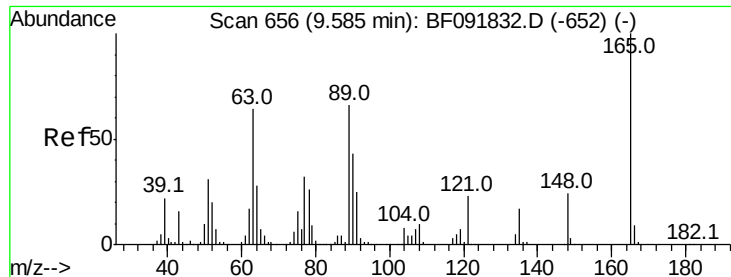
#44
 2-Fluorobiphenyl
 Concen: 98.88 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF092048.D
 Acq: 30 Dec 2016 15:54

Tgt Ion:172 Resp: 2170895
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 25.1 20.2 30.4



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

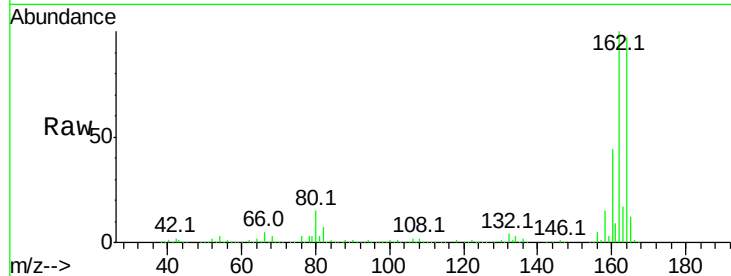




#50
 2,6-Dinitrotoluene
 Concen: 9.04 ng
 RT: 9.72 min Scan# 668
 Delta R.T. 0.17 min
 Lab File: BF092048.D
 Acq: 30 Dec 2016 15:54

Instrument :
 BNA_F
 ClientSampleId :

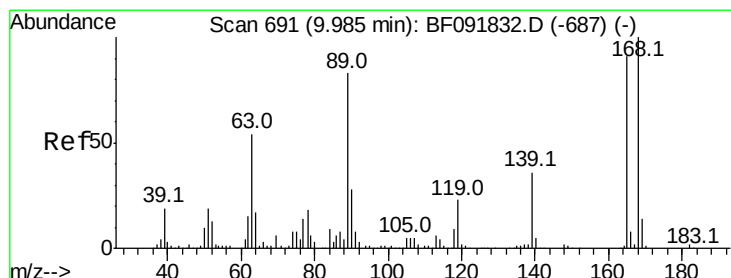
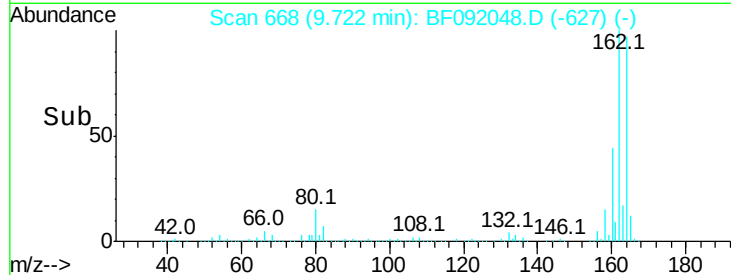
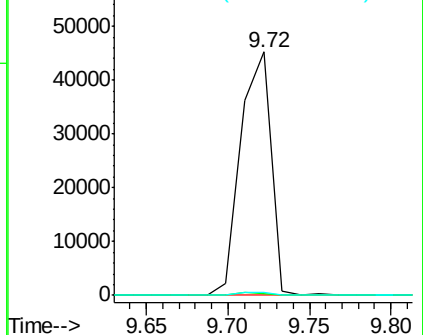
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.2	54.4#
89	1.0	40.2	60.4#



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



#56
 2,4-Dinitrotoluene
 Concen: 7.20 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.23 min
 Lab File: BF092048.D
 Acq: 30 Dec 2016 15:54

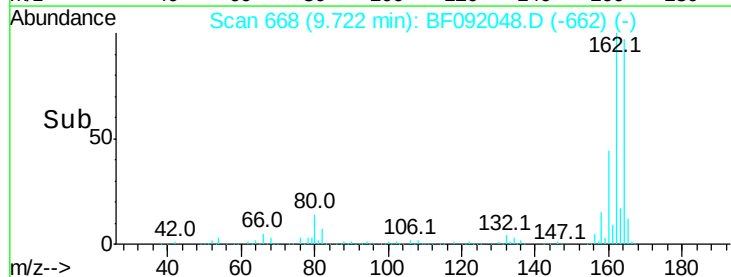
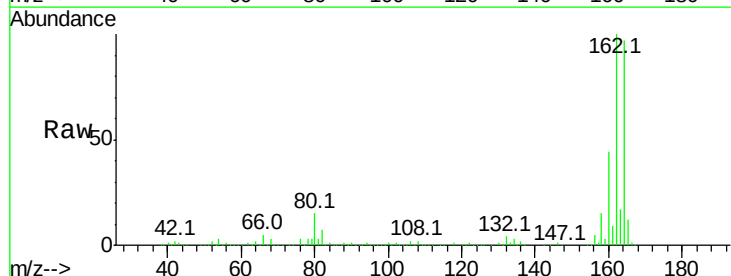
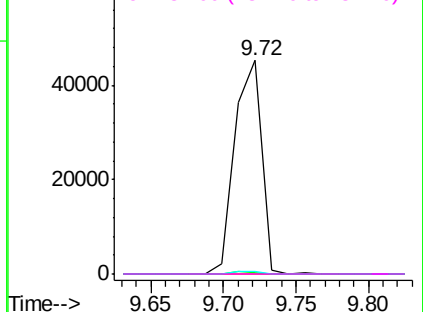
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

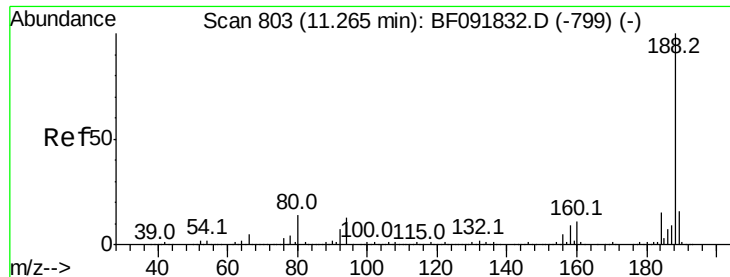
Abundance Ion 165.00 (164.70 to 165.70): E

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

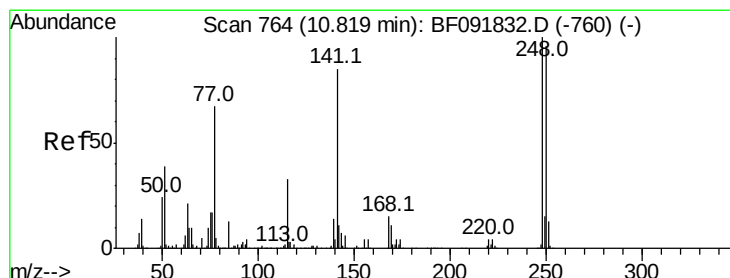
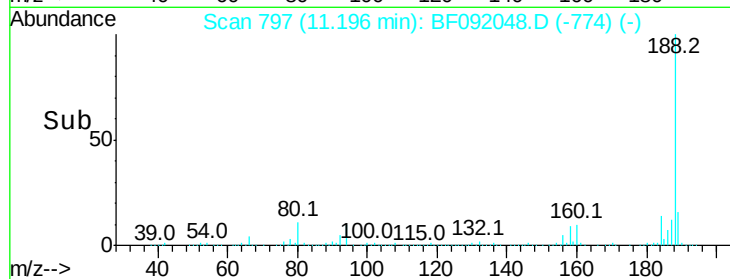
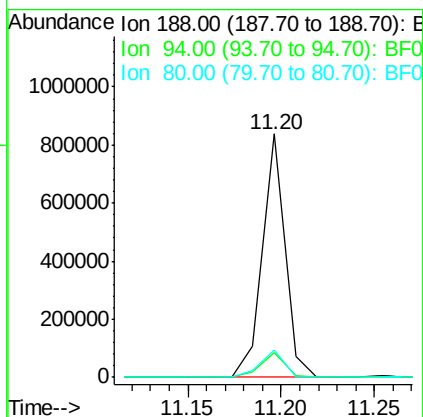
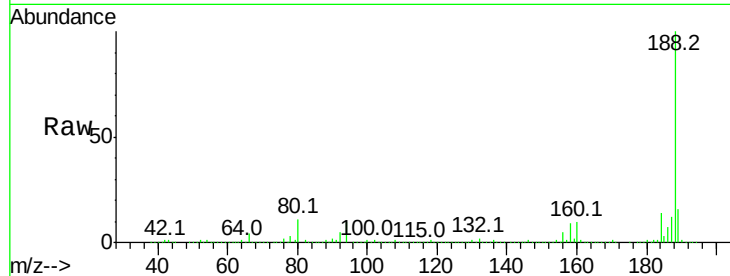




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.03 min
 Lab File: BF092048.D
 Acq: 30 Dec 2016 15:54

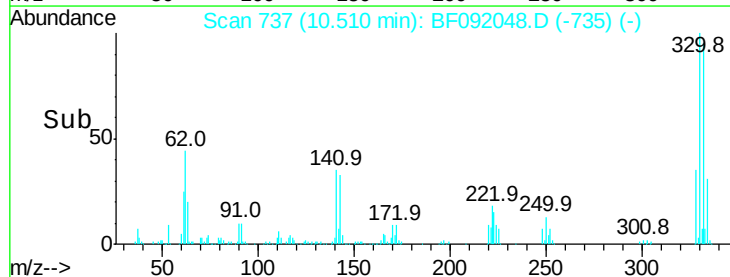
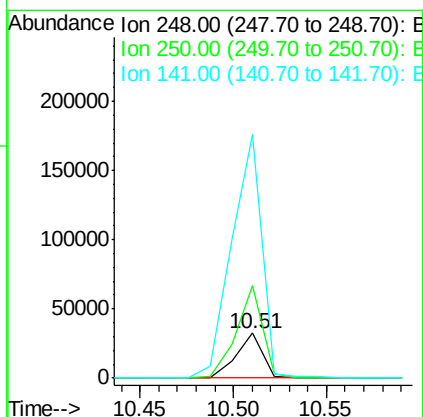
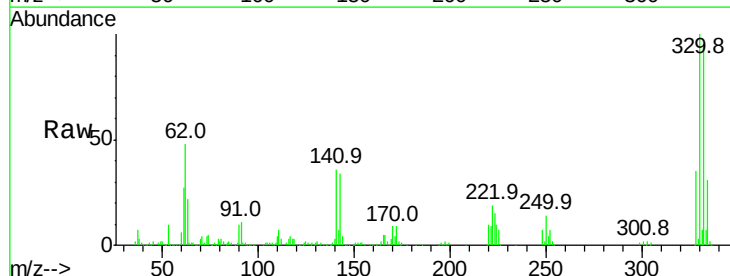
Instrument :
 BNA_F
 ClientSampleId :

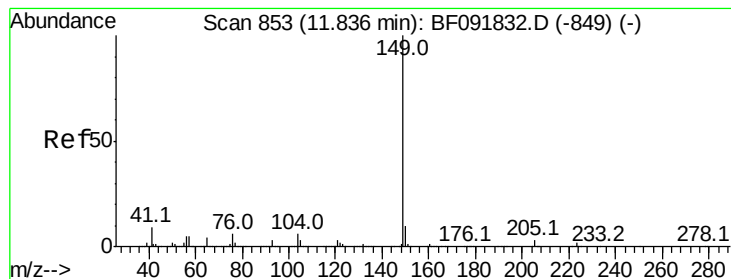
Tot Ion:188 Resp: 702181
 Ion Ratio Lower Upper
 188 100
 94 10.2 10.0 15.0
 80 11.0 11.2 16.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.43 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.27 min
 Lab File: BF092048.D
 Acq: 30 Dec 2016 15:54

Tgt Ion:248 Resp: 32387
 Ion Ratio Lower Upper
 248 100
 250 206.2 76.9 115.3#
 141 545.0 68.2 102.4#





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.77 min Scan# 847

Delta R.T. -0.03 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

Instrument :

BNA_F

ClientSampleId :

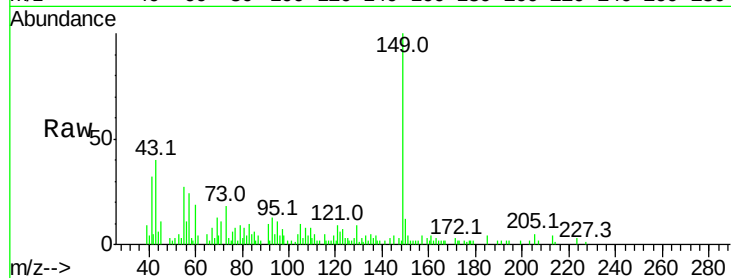
Tot Ion:149 Resp: 28613

Ion Ratio Lower Upper

149 100

150 11.6 8.1 12.1

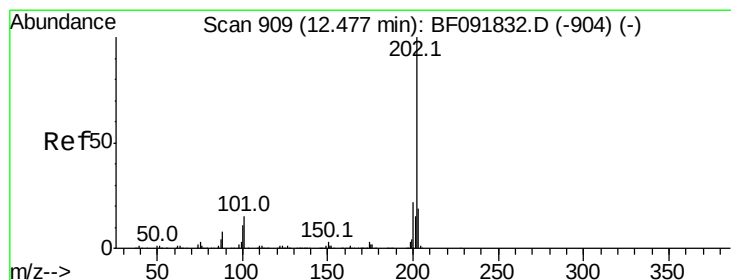
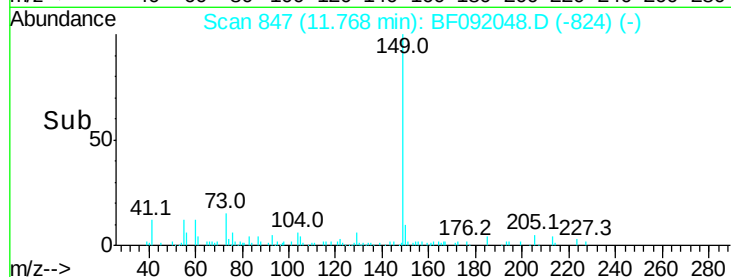
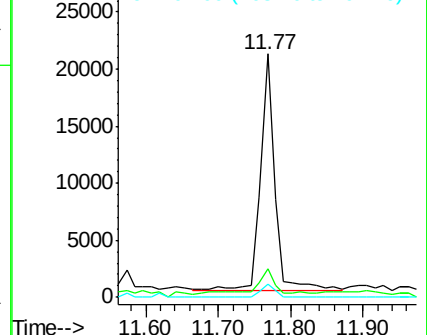
104 5.5 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: Below Cal

RT: 12.50 min Scan# 911

Delta R.T. 0.06 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

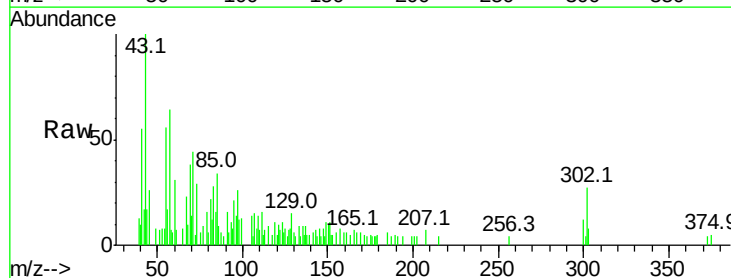
Tgt Ion:202 Resp: 434

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

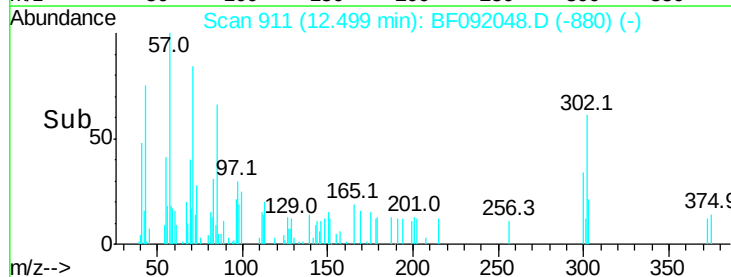
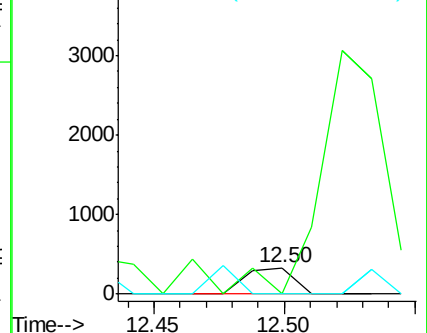
203 0.0 0.0 38.7

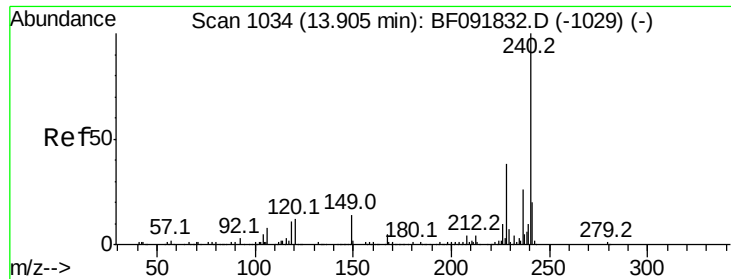


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

Instrument :

BNA_F

ClientSampleId :

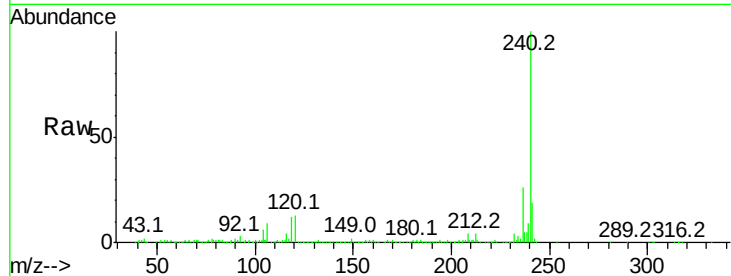
Tot Ion:240 Resp: 440778

Ion Ratio Lower Upper

240 100

120 13.3 12.9 19.3

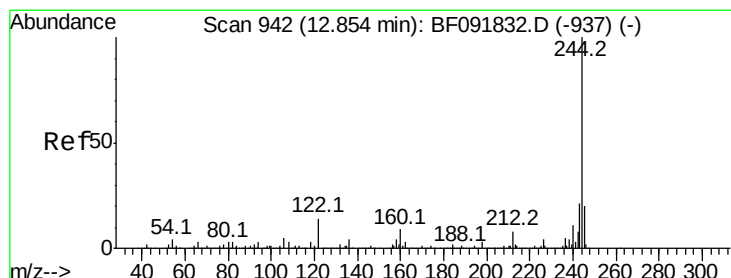
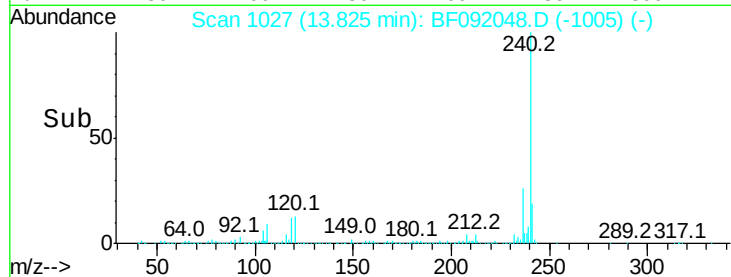
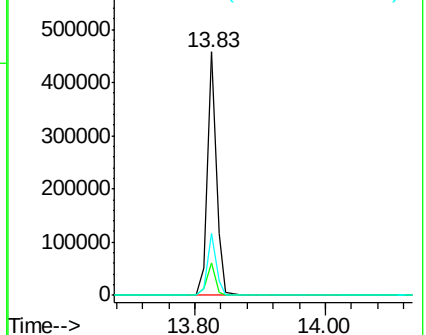
236 25.6 20.9 31.3



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



#78

Terphenyl-d14

Concen: 94.35 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF092048.D

Acq: 30 Dec 2016 15:54

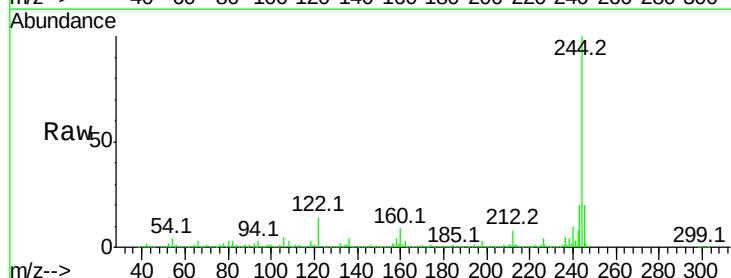
Tgt Ion:244 Resp: 1714731

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

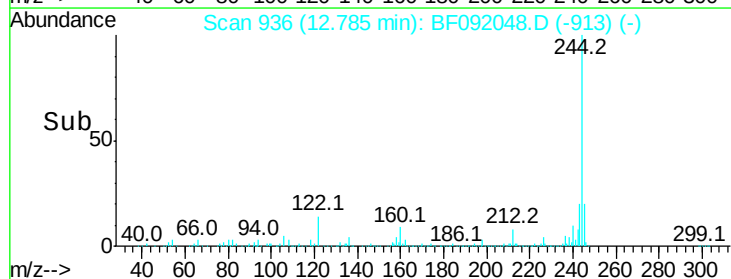
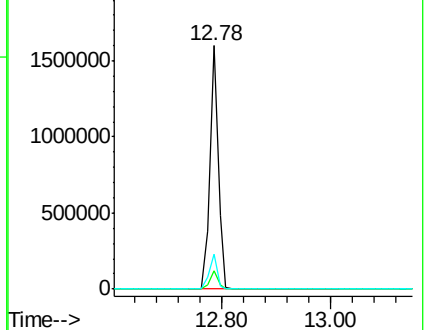
122 14.3 11.4 17.2

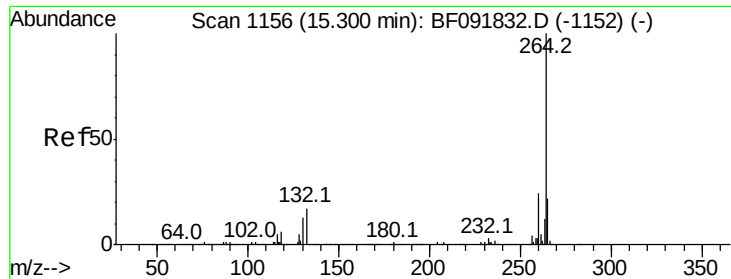


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.05 min
Lab File: BF092048.D
Acq: 30 Dec 2016 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 543056

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.4	26.0

