

Data Path : Z:\HPCHEM1\BNA F\Data\BF121516\
 Data File : BF091662.D
 Acq On : 16 Dec 2016 8:23
 Operator : UM/SJ
 Sample : H6085-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 16:41:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

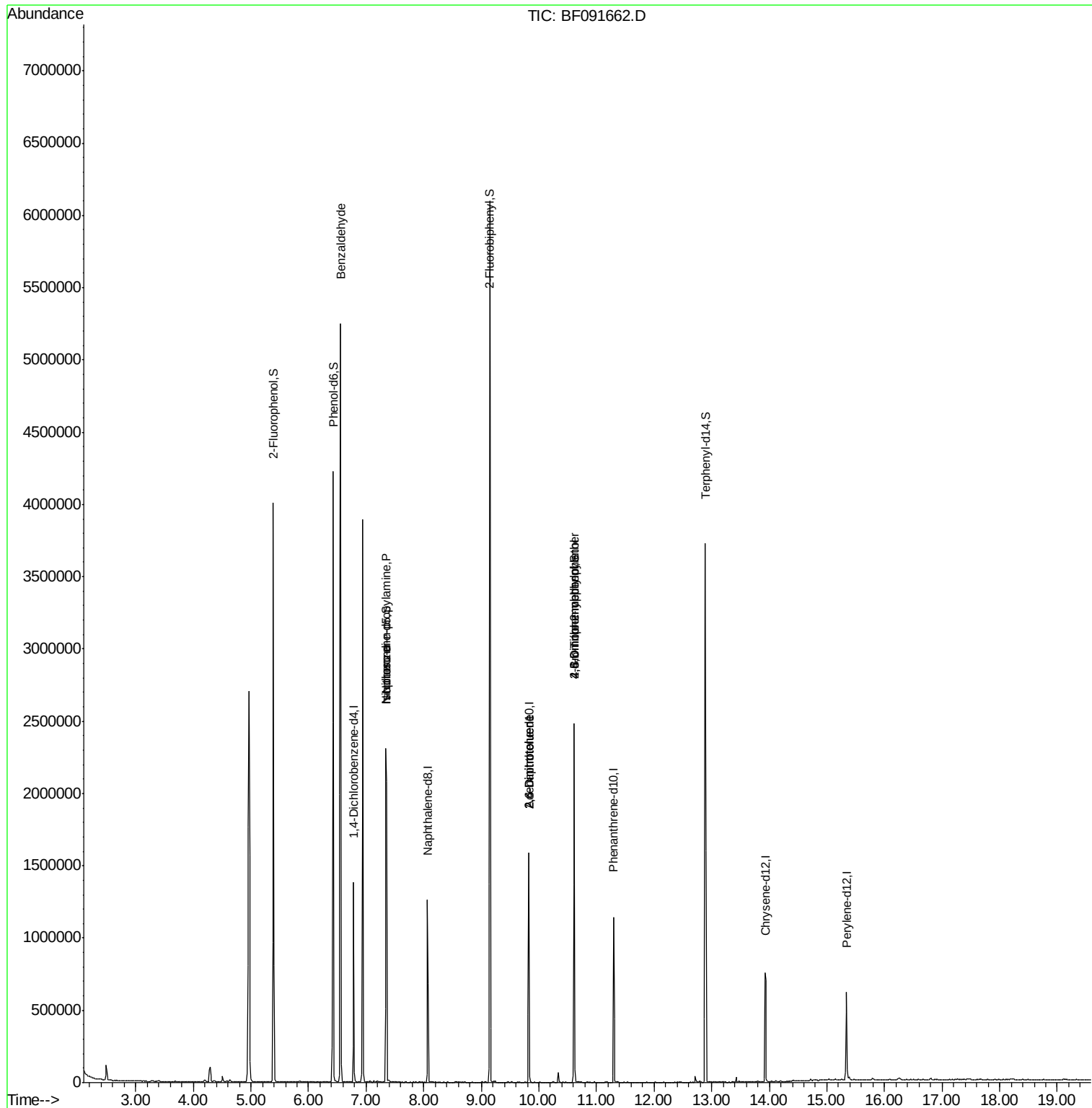
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	189506	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	685916	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	343192	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	447780	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	384874	20.00	ng	0.00
86) Perylene-d12	15.35	264	314024	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1087147	96.65	ng	0.01
7) Phenol-d6	6.43	99	1617234	115.33	ng	0.00
23) Nitrobenzene-d5	7.34	82	1187983	96.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	326710	114.61	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1737886	87.50	ng	0.00
78) Terphenyl-d14	12.89	244	1319924	77.82	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.56	77	36758	3.81	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.34	70	157727	17.99	ng	# 68
25) Isophorone	7.34	82	1066725	48.83	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	44986	9.43	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	44986	7.52	ng	# 33
57) Fluorene	10.61	166	14050	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.61	198	900	3.26	ng	# 23
66) 4-Bromophenyl-phenylether	10.61	248	23351	5.09	ng	# 1

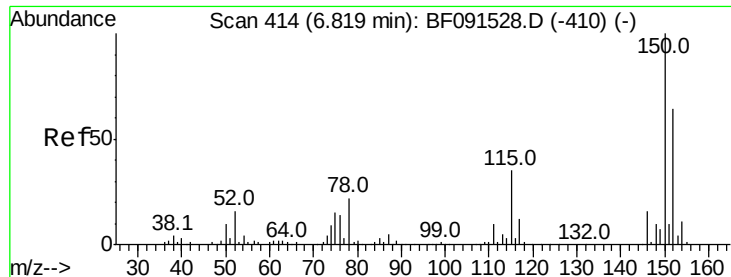
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA F\Data\BF121516\  
Data File : BF091662.D  
Acq On    : 16 Dec 2016    8:23  
Operator  : UM/SJ  
Sample    : H6085-04  
Misc      :  
ALS Vial  : 38    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 16 16:41:25 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

Instrument :

BNA_F

ClientSampleId :

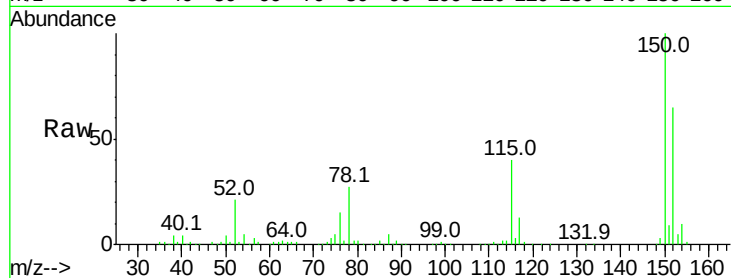
Tot Ion:152 Resp: 189506

Ion Ratio Lower Upper

152 100

150 154.7 122.5 183.7

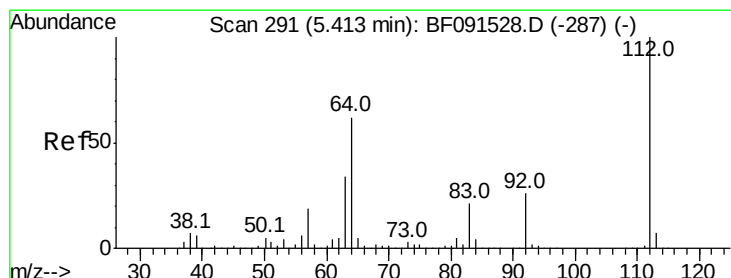
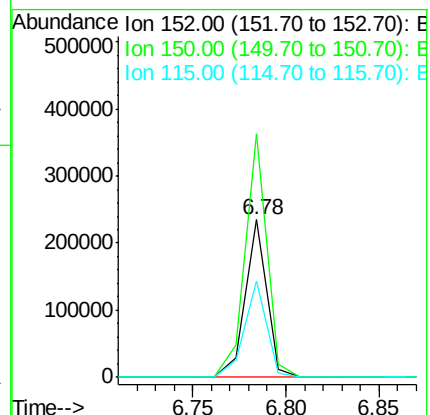
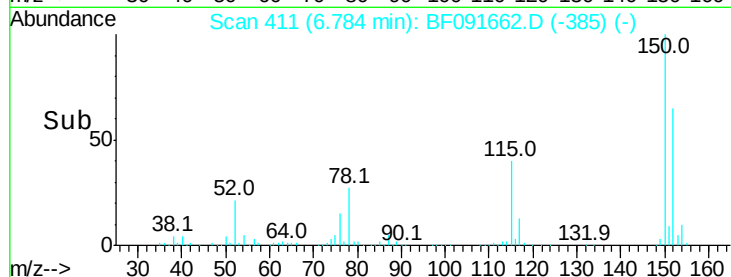
115 61.7 51.8 77.8



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: 96.65 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

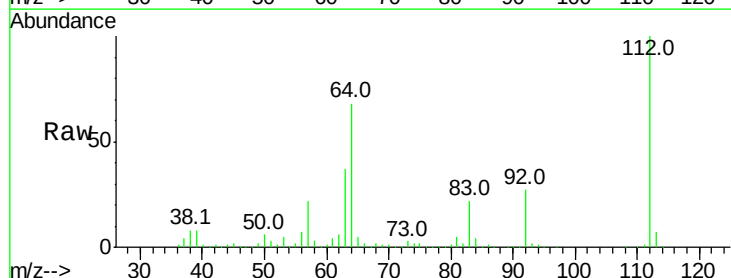
Tgt Ion:112 Resp: 1087147

Ion Ratio Lower Upper

112 100

64 68.4 61.5 92.3

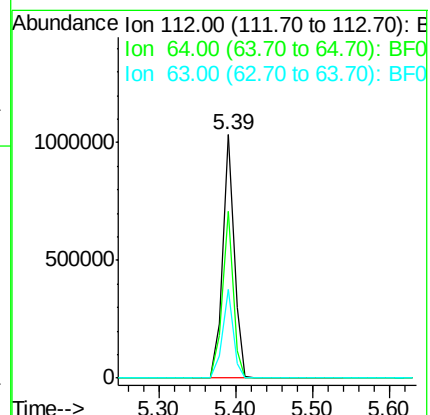
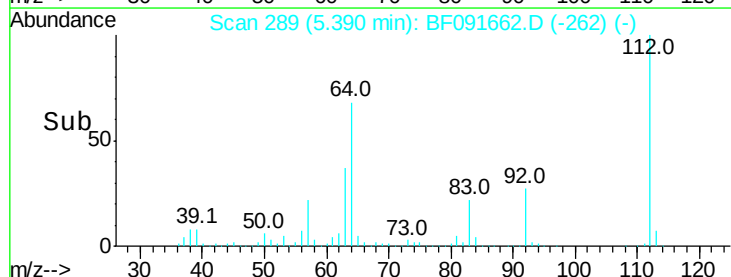
63 36.5 33.3 49.9

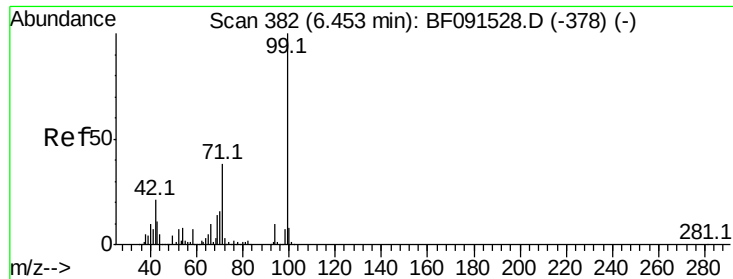


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.33 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

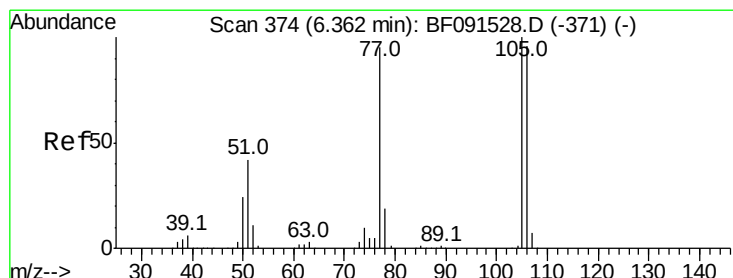
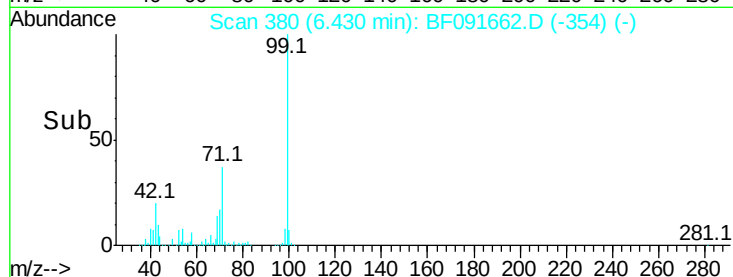
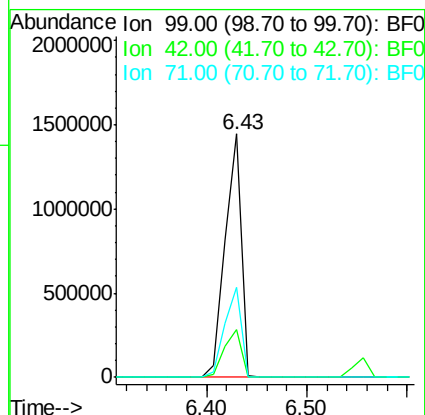
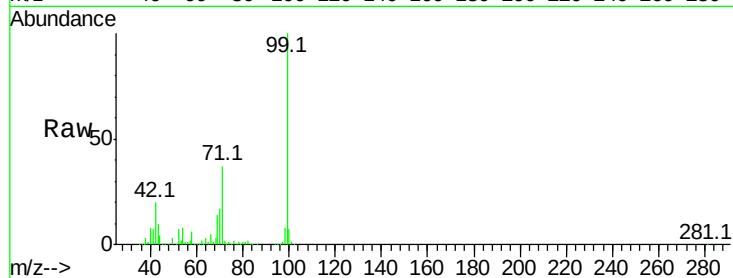
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1617234

Ion	Ratio	Lower	Upper
99	100		
42	19.6	20.6	31.0#
71	37.2	29.9	44.9



#9

Benzaldehyde

Concen: 3.81 ng

RT: 6.56 min Scan# 391

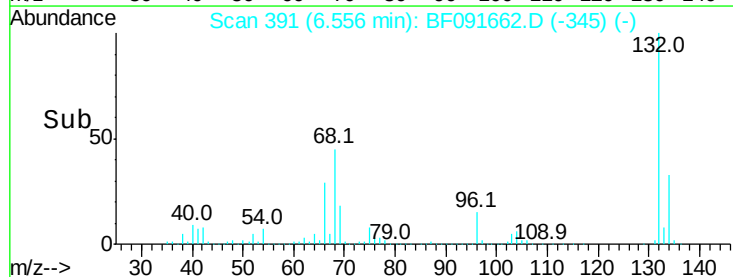
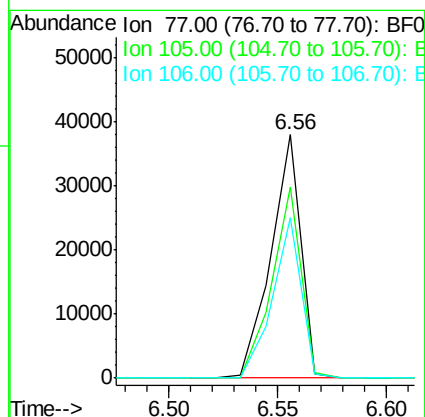
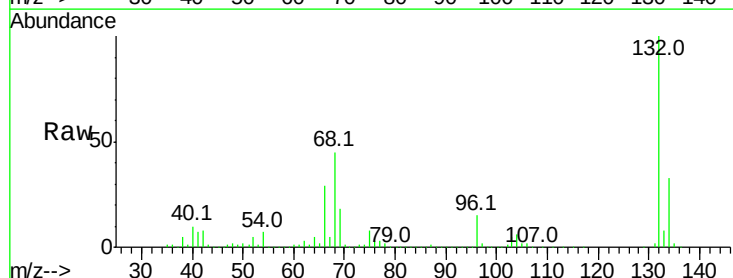
Delta R.T. 0.23 min

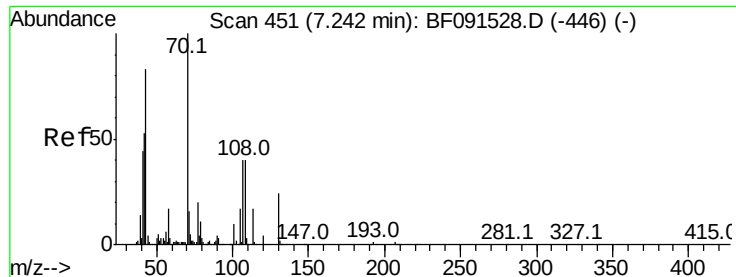
Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

Tgt Ion: 77 Resp: 36758

Ion	Ratio	Lower	Upper
77	100		
105	78.3	66.4	106.4
106	65.7	60.9	100.9





#19

n-Nitroso-di-n-propylamine

Concen: 17.99 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.14 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 157727

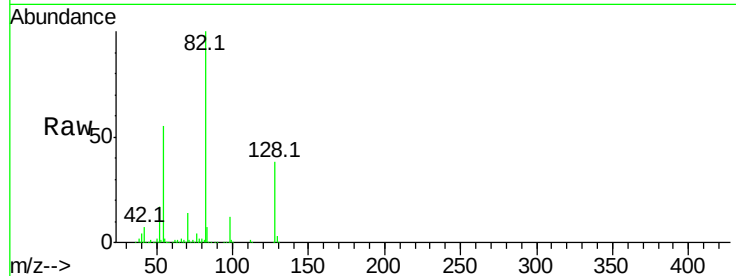
Ion Ratio Lower Upper

70 100

42 51.3 64.8 97.2#

101 0.0 6.2 9.4#

130 1.7 11.7 17.5#

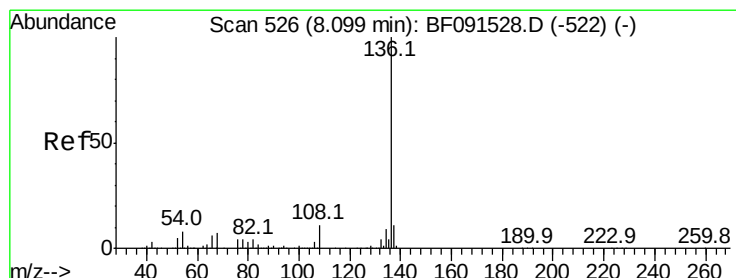
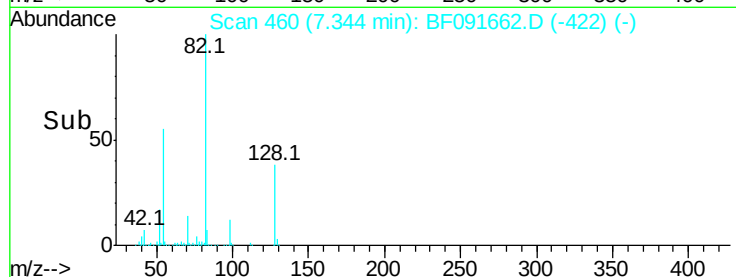
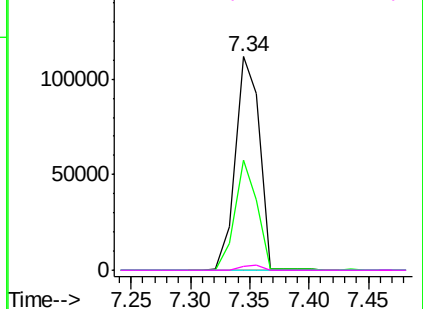


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

Tgt Ion: 136 Resp: 685916

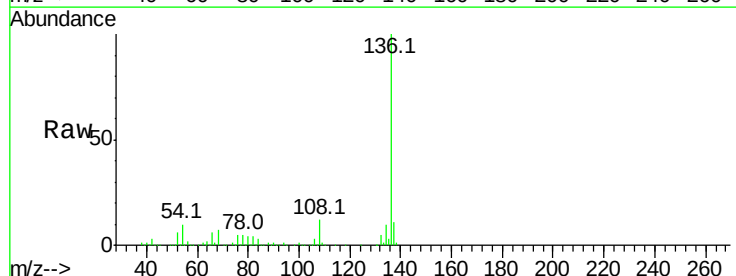
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.9 9.1 13.7

68 6.8 5.9 8.9

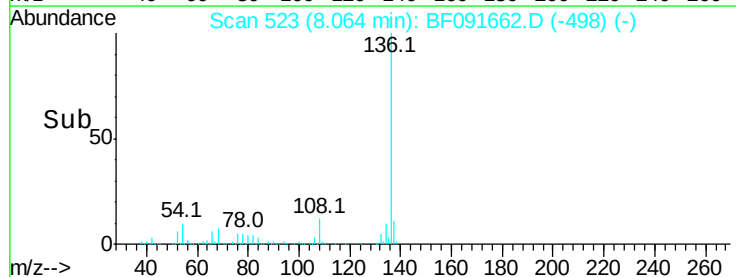
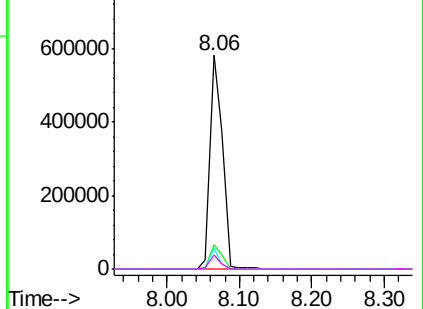


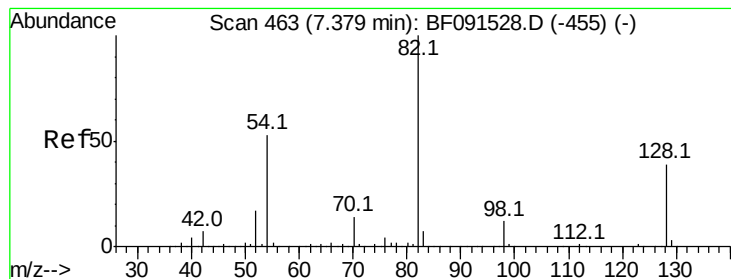
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 96.67 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

Instrument :

BNA_F

ClientSampled :

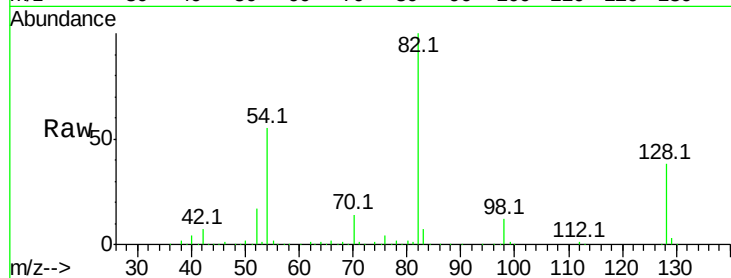
Tot Ion: 82 Resp: 1187983

Ion Ratio Lower Upper

82 100

128 38.0 31.8 47.6

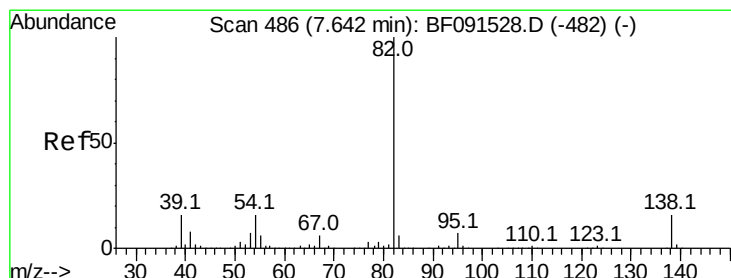
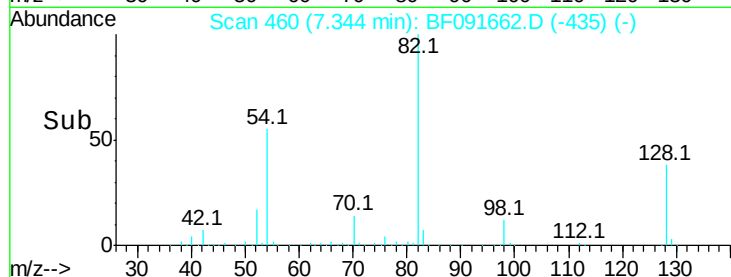
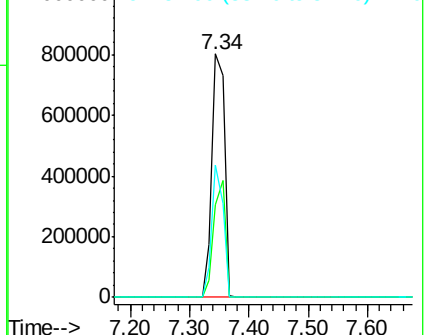
54 54.6 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 48.83 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.27 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

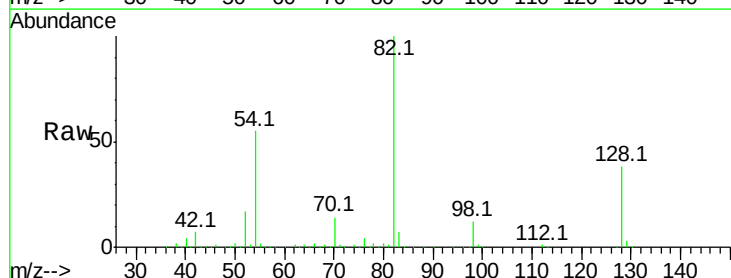
Tgt Ion: 82 Resp: 1066725

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

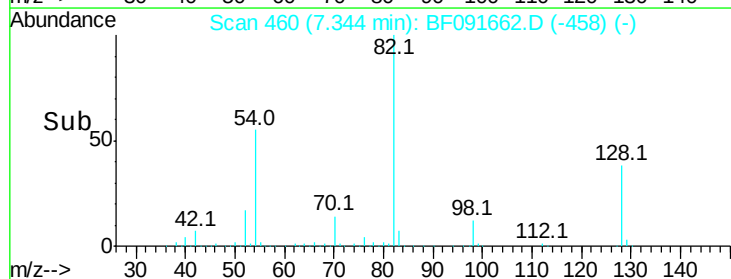
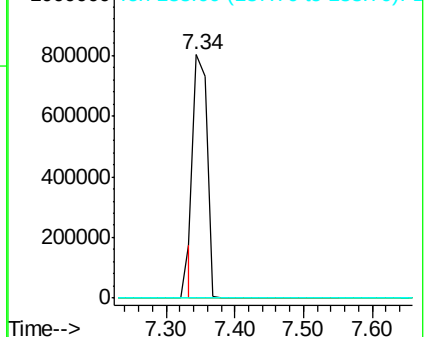
138 0.0 13.4 20.0#

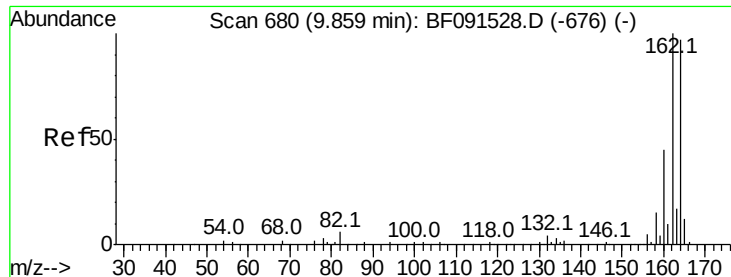


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

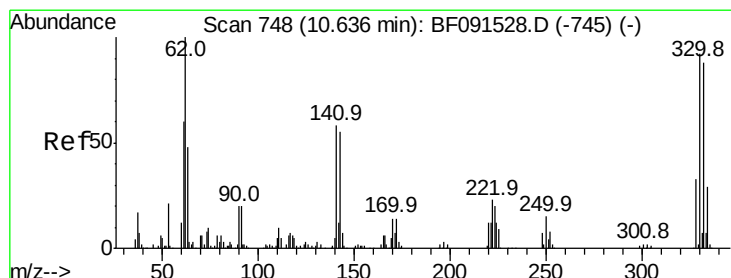
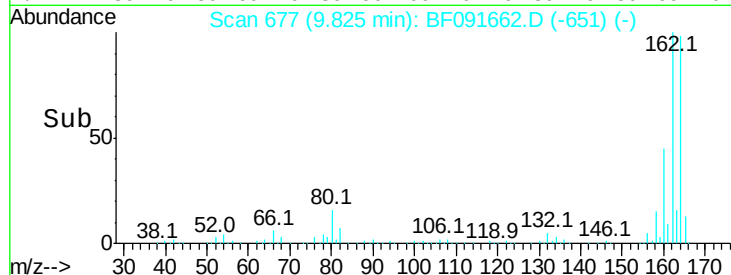
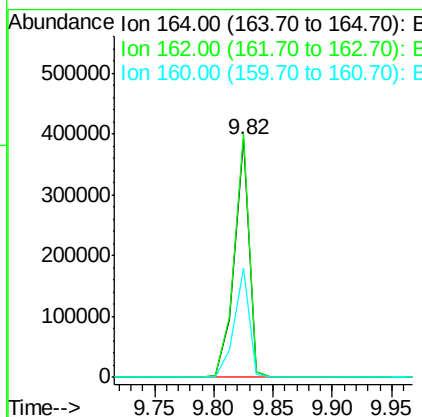
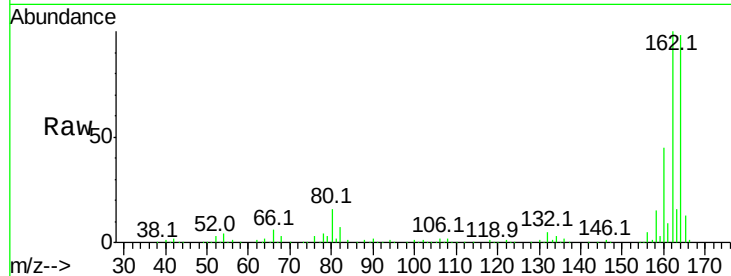




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

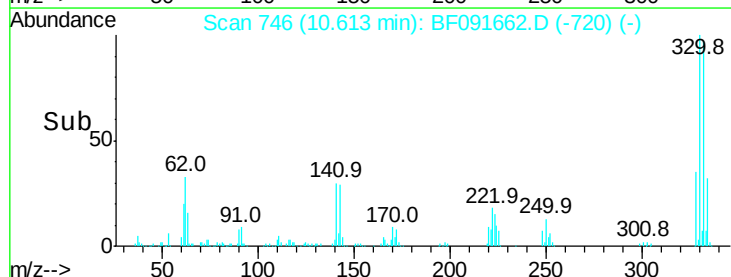
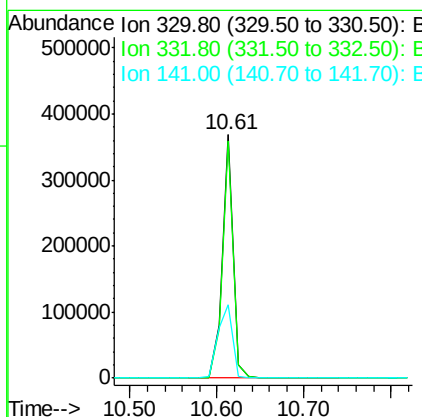
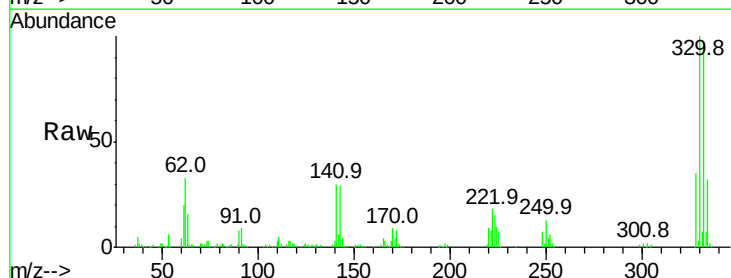
Instrument :
BNA_F
ClientSampled :

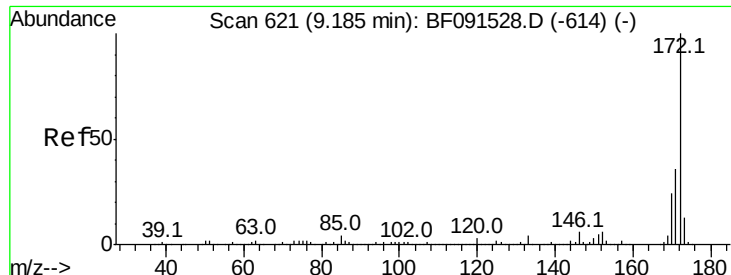
Tot Ion:164 Resp: 343192
Ion Ratio Lower Upper
164 100
162 102.3 82.6 124.0
160 45.9 36.7 55.1



#41
2,4,6-Tribromophenol
Concen: 114.61 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

Tgt Ion:330 Resp: 326710
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 40.6 33.6 50.4



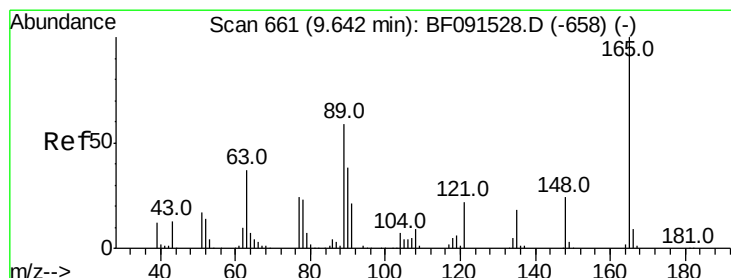
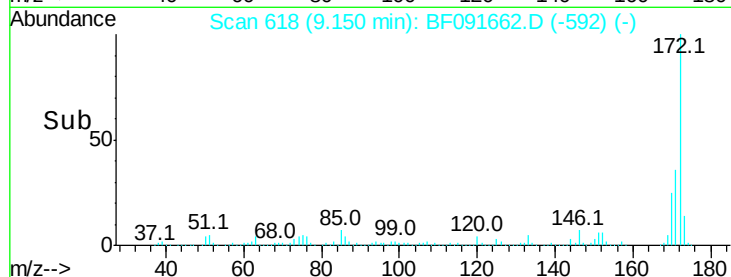
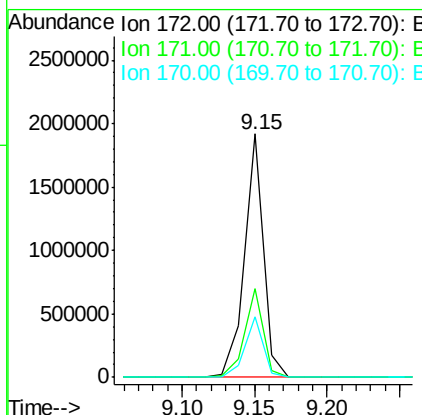
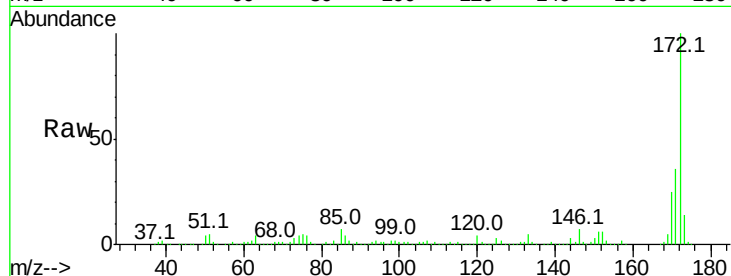


#44
 2-Fluorobiphenyl
 Concen: 87.50 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF091662.D
 Acq: 16 Dec 2016 8:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1737886

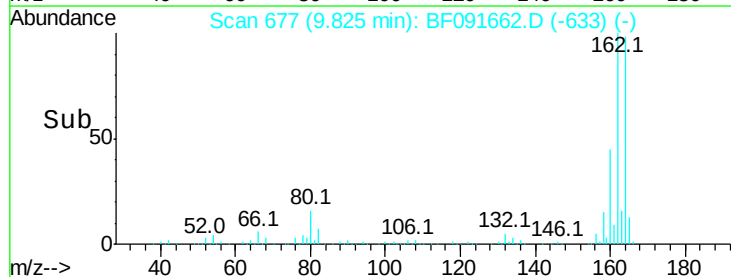
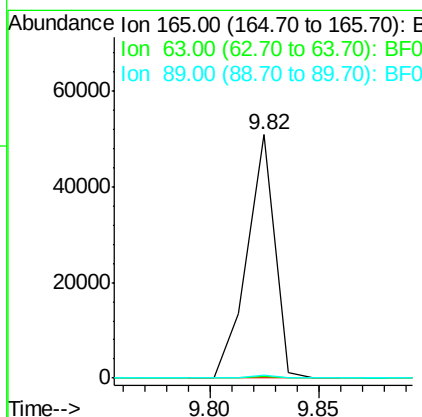
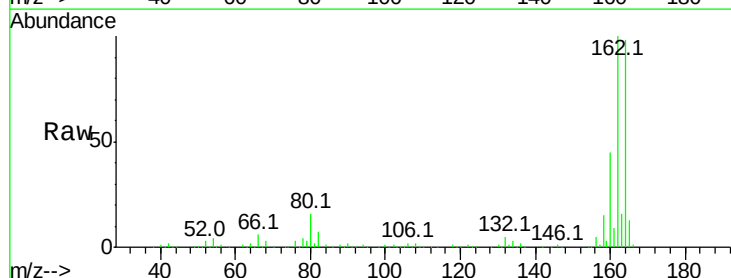
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.9	19.7	29.5

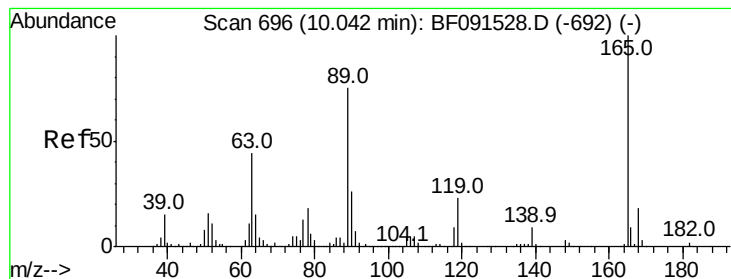


#50
 2,6-Dinitrotoluene
 Concen: 9.43 ng
 RT: 9.82 min Scan# 677
 Delta R.T. 0.21 min
 Lab File: BF091662.D
 Acq: 16 Dec 2016 8:23

Tgt Ion:165 Resp: 44986

Ion	Ratio	Lower	Upper
165	100		
63	0.7	59.4	89.0#
89	1.0	50.8	76.2#

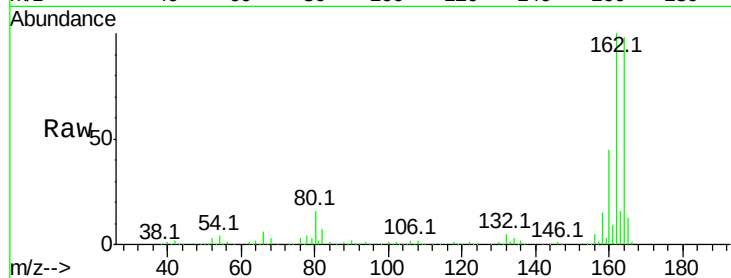




#56
2,4-Dinitrotoluene
Concen: 7.52 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.19 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.7	29.0	43.4#
89	1.0	43.1	64.7#
182	0.0	1.9	2.9#

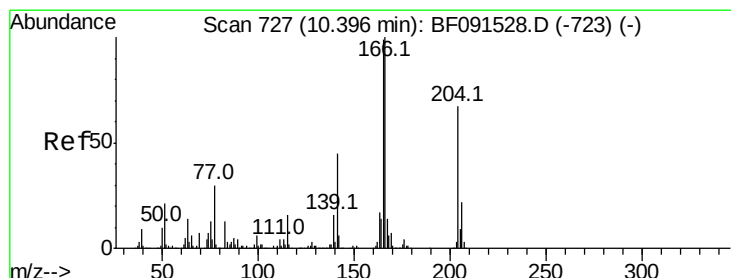
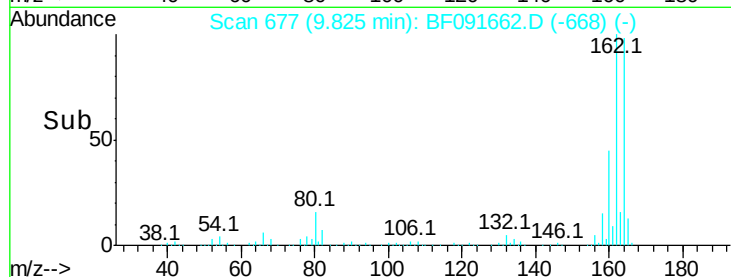
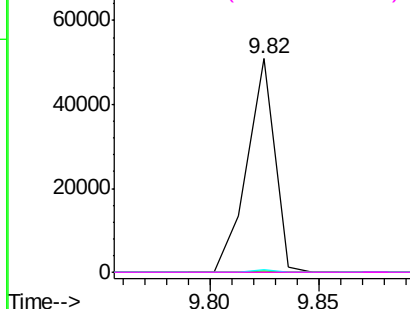


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

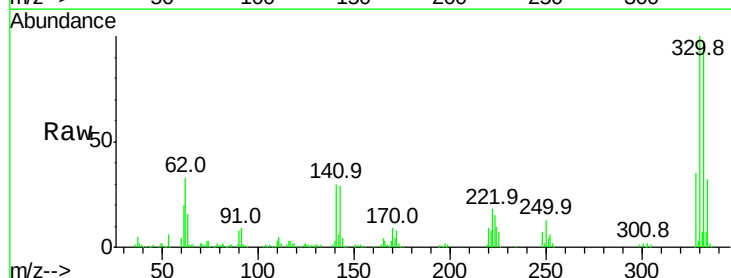
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.61 min Scan# 746
Delta R.T. 0.24 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

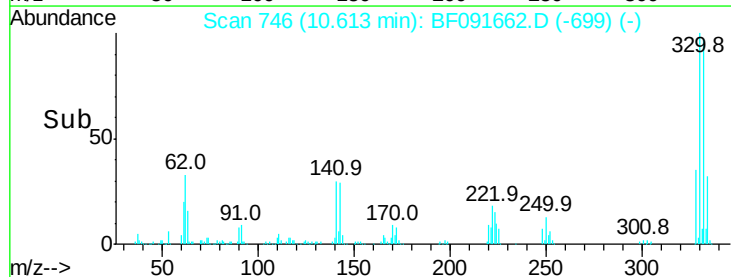
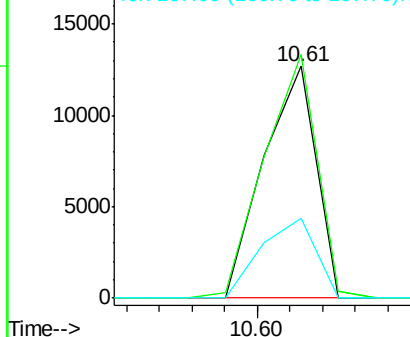
Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.9	80.0	120.0
167	34.6	10.8	16.2#

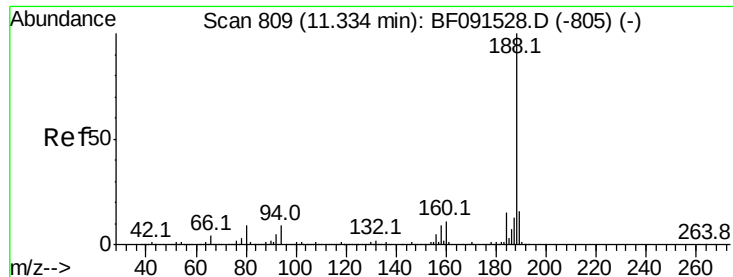


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

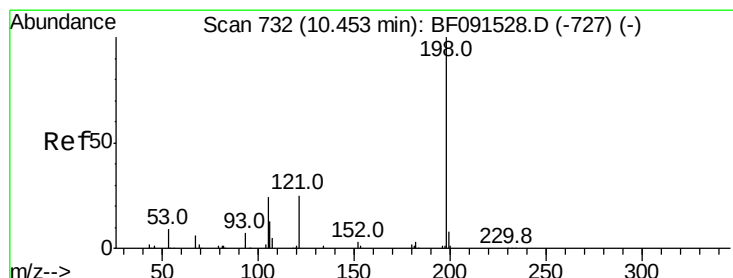
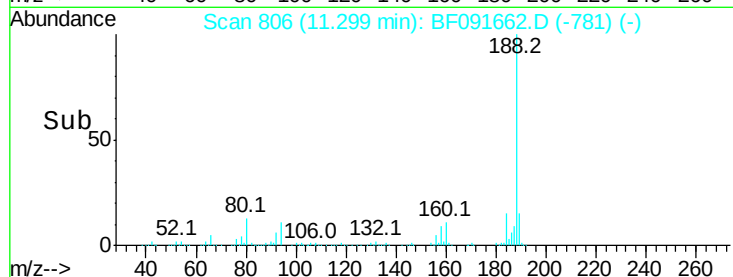
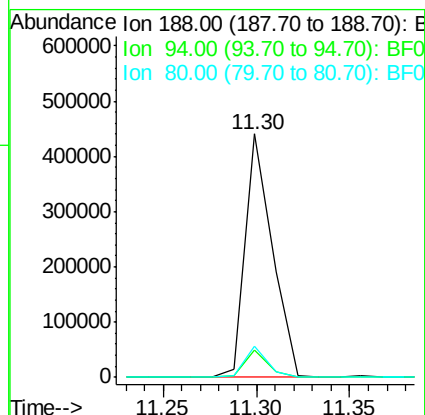
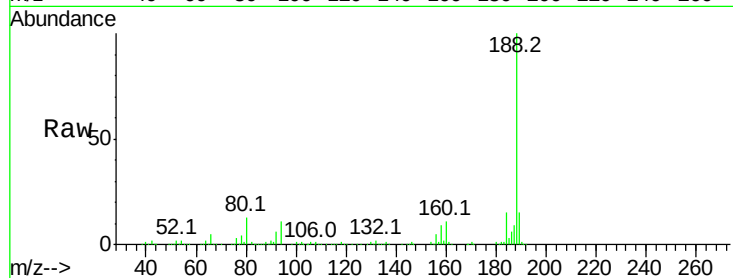




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

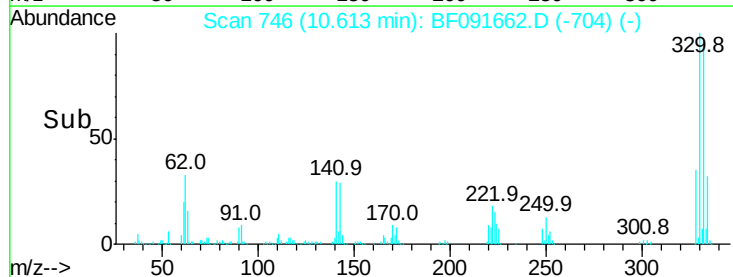
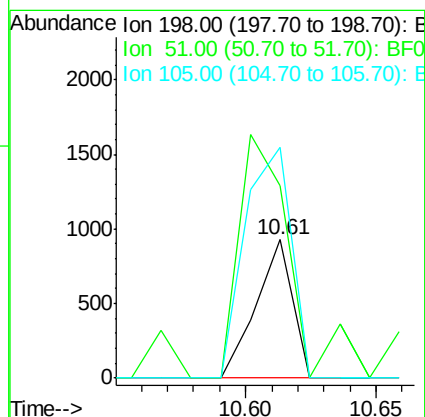
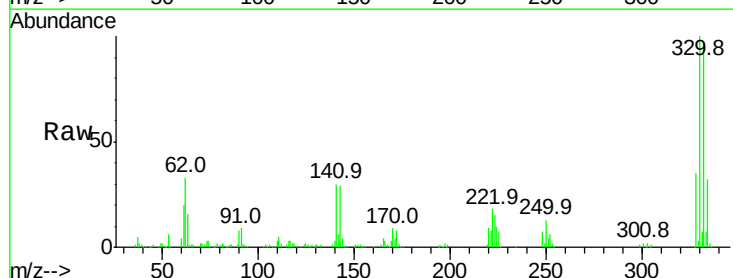
Instrument :
BNA_F
ClientSampleId :

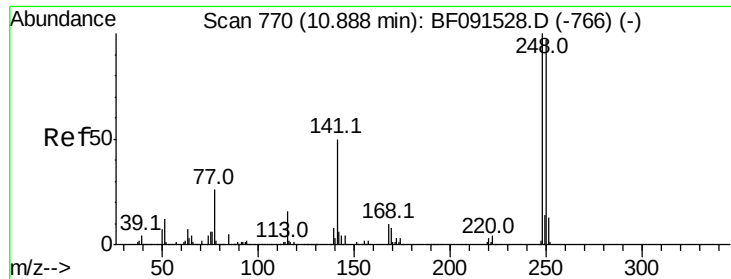
Tot Ion:188 Resp: 447780
Ion Ratio Lower Upper
188 100
94 11.0 9.2 13.8
80 12.7 10.5 15.7



#64
4,6-Dinitro-2-methylphenol
Concen: 3.26 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.18 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

Tgt Ion:198 Resp: 900
Ion Ratio Lower Upper
198 100
51 138.7 77.1 117.1#
105 167.0 44.8 84.8#

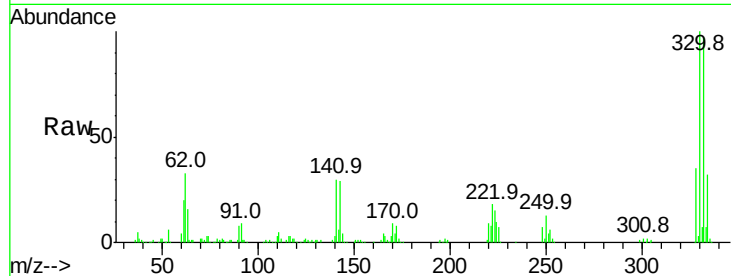




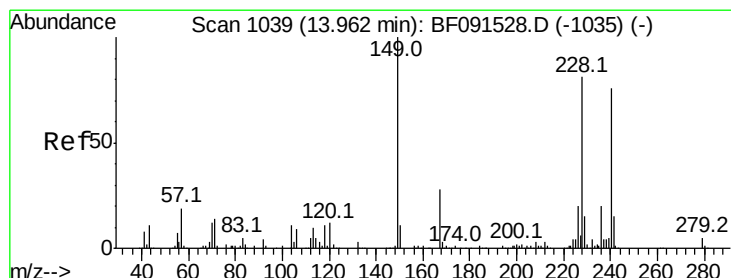
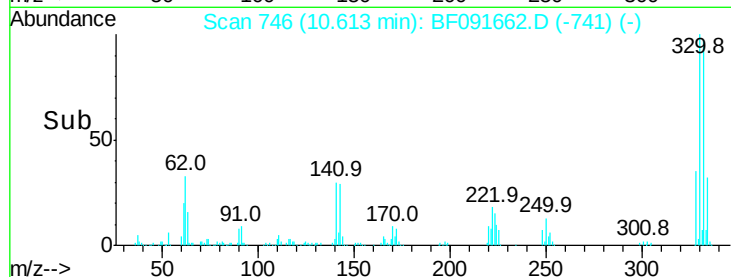
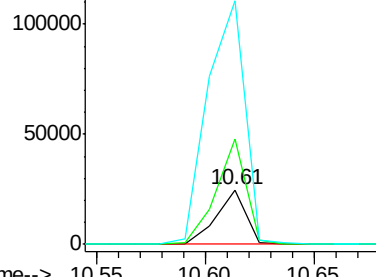
#66
4-Bromophenyl-phenylether
Concen: 5.09 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.24 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 23351
Ion Ratio Lower Upper
248 100
250 194.5 78.2 117.4#
141 448.9 71.9 107.9#

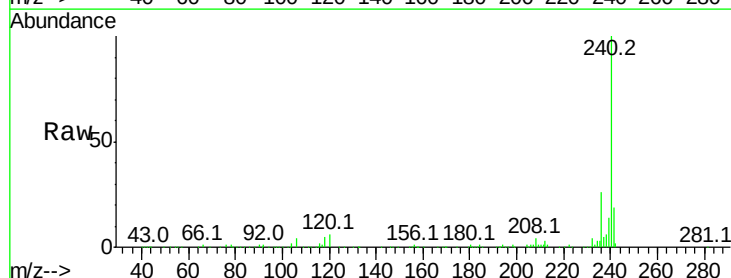


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

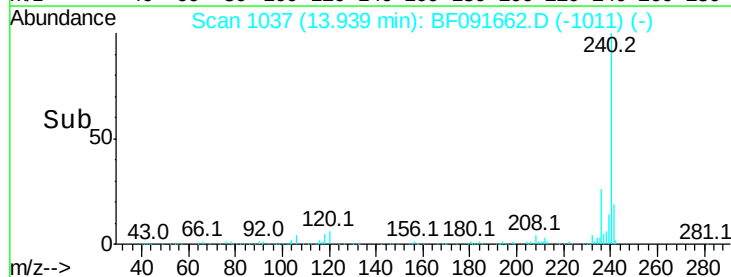
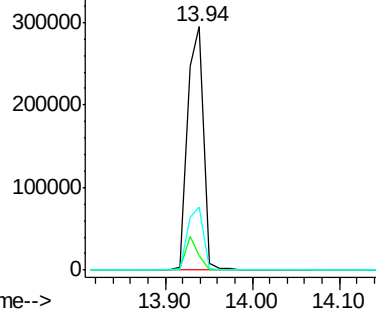


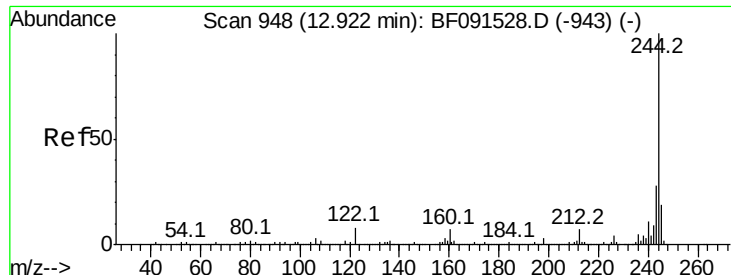
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF091662.D
Acq: 16 Dec 2016 8:23

Tgt Ion:240 Resp: 384874
Ion Ratio Lower Upper
240 100
120 6.1 12.1 18.1#
236 25.7 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





#78

Terphenyl-d14

Concen: 77.82 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

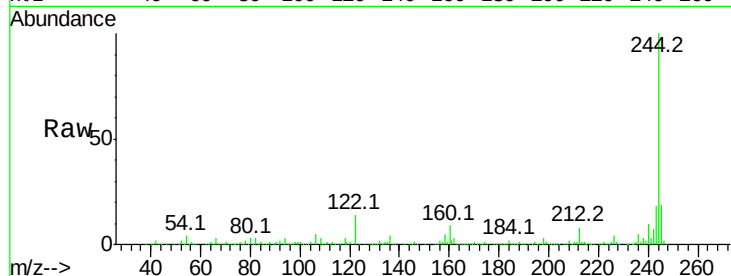
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1319924

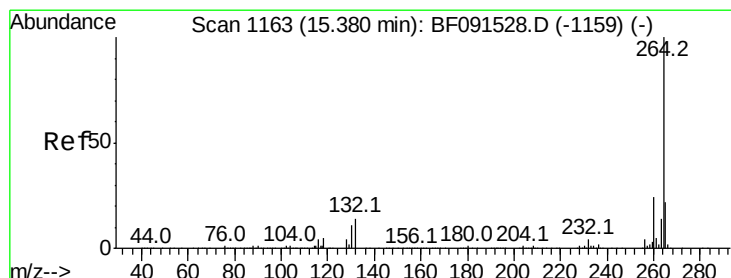
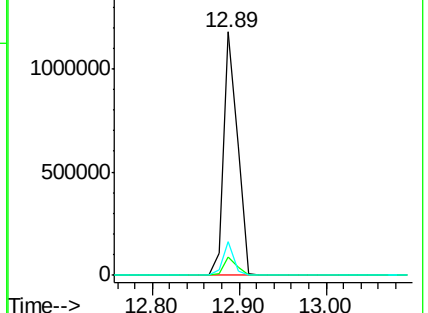
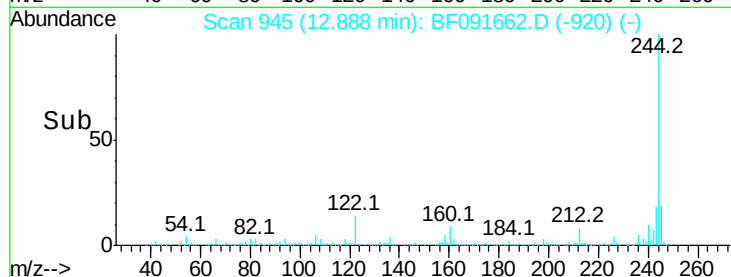
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.5	9.7
122	13.9	9.5	14.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1160

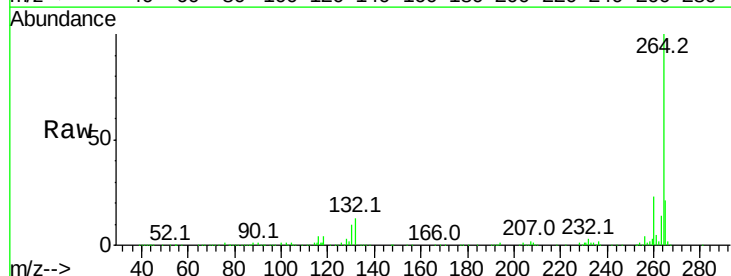
Delta R.T. -0.00 min

Lab File: BF091662.D

Acq: 16 Dec 2016 8:23

Tgt Ion:264 Resp: 314024

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	20.8	17.0	25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

