

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088451.D
 Acq On : 27 Jun 2016 12:51
 Operator : UM/SJ
 Sample : PB91593BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:07:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

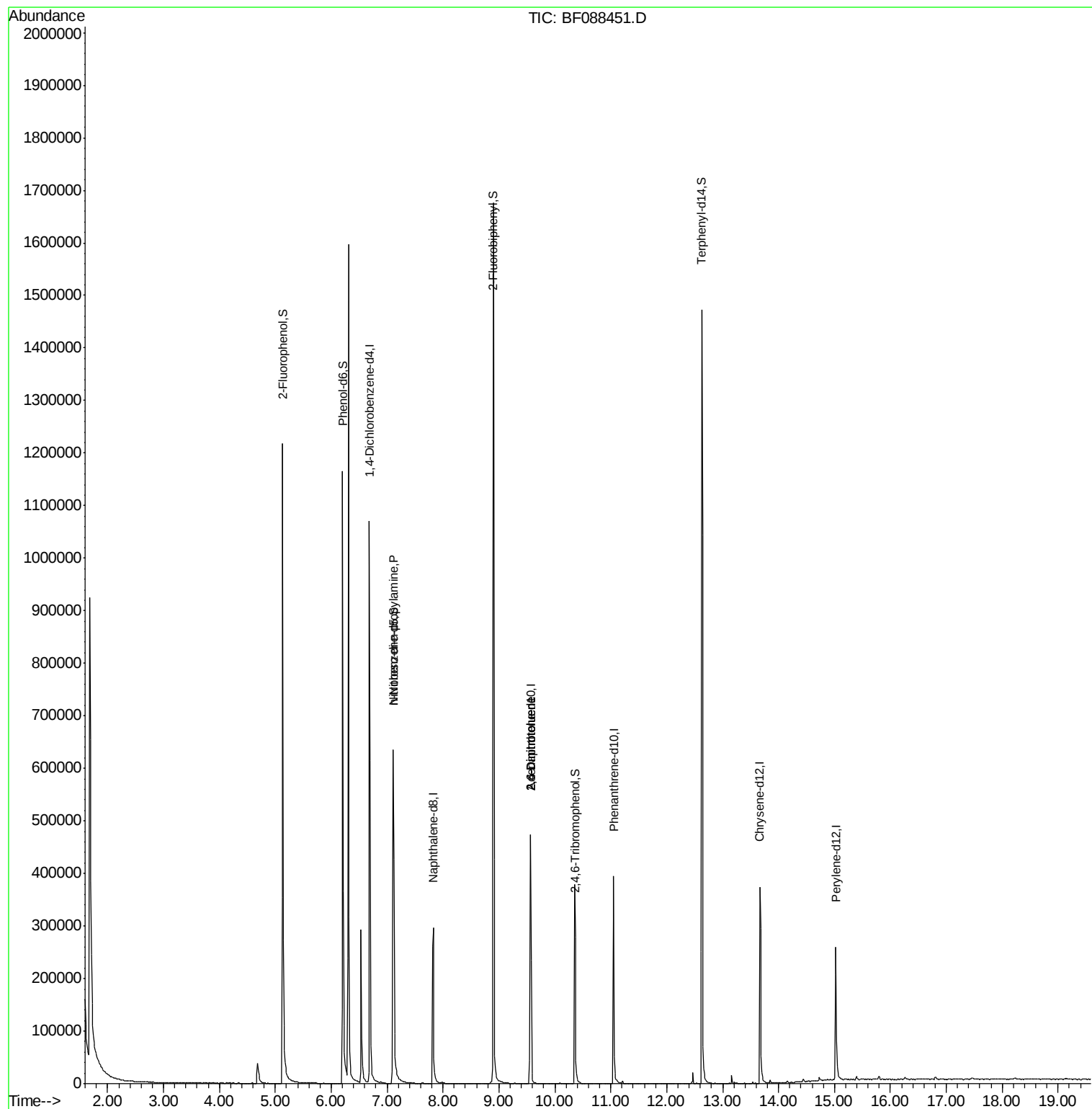
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	238713	20.00	ng	-0.16
21) Naphthalene-d8	7.83	136	256627	20.00	ng	-0.30
38) Acenaphthene-d10	9.56	164	121268	20.00	ng	-0.32
63) Phenanthrene-d10	11.05	188	241751	20.00	ng	-0.31
75) Chrysene-d12	13.67	240	202529	20.00	ng	-0.32
86) Perylene-d12	15.03	264	149216	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	495996	35.52	ng	-0.30
7) Phenol-d6	6.20	99	556758	32.90	ng	-0.27
23) Nitrobenzene-d5	7.11	82	349227	79.46	ng	-0.31
41) 2,4,6-Tribromophenol	10.36	330	68418	53.43	ng	-0.31
44) 2-Fluorobiphenyl	8.90	172	688931	89.54	ng	-0.31
78) Terphenyl-d14	12.63	244	696656	78.27	ng	-0.32
Target Compounds						
10) Phenol	6.31	94	654	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.11	70	43526	4.02	ng	# 72
45) 1,1'-Biphenyl	8.90	154	1140	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.56	165	14963	7.44	ng	# 37
56) 2,4-Dinitrotoluene	9.56	165	14964	5.79	ng	# 36

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

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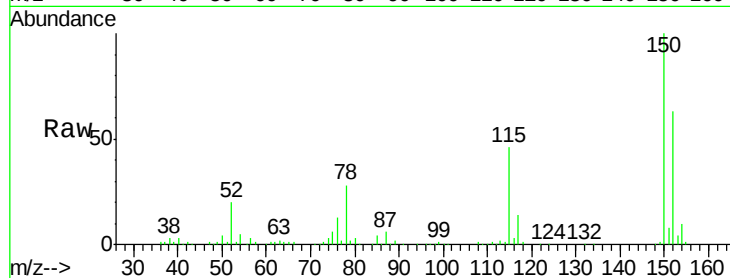


#1

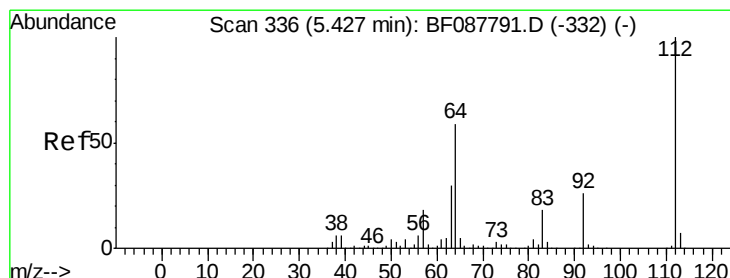
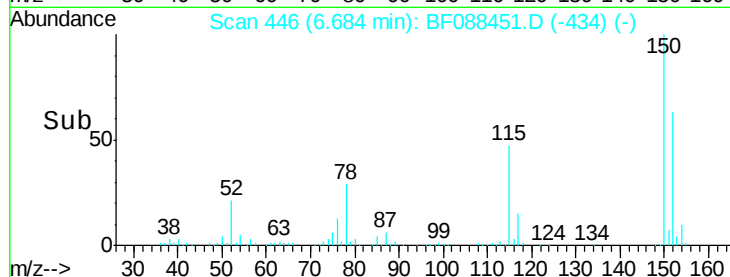
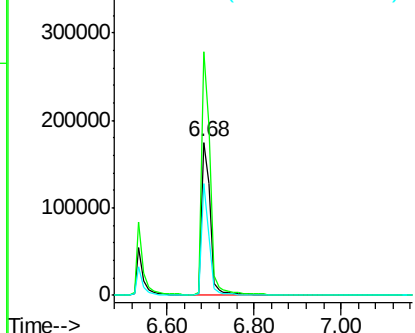
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.16 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	123.8	185.6
115	72.9	39.6	59.4



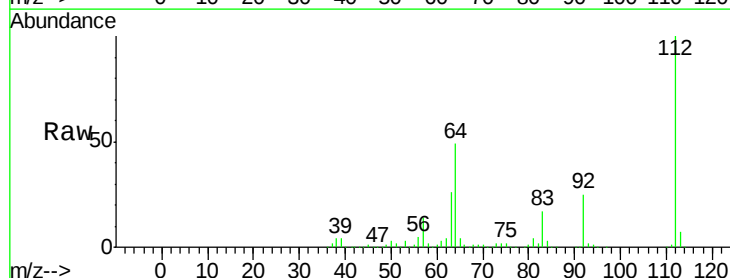
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



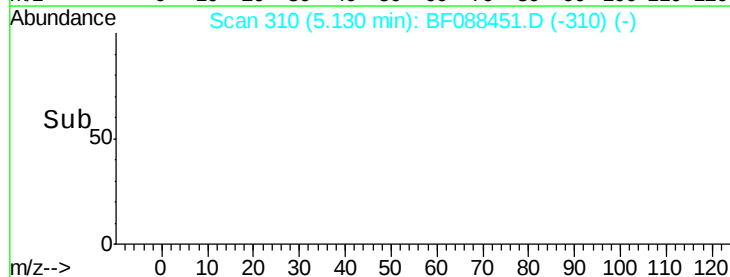
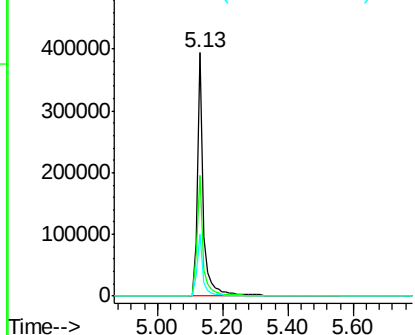
#5

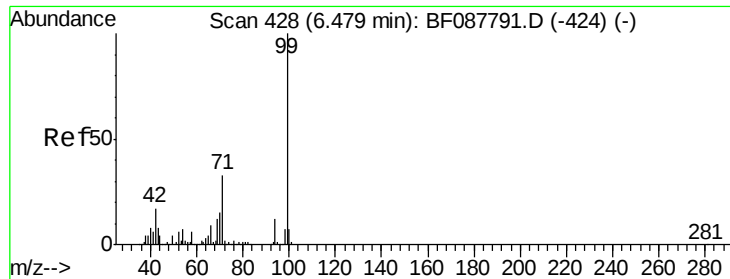
2-Fluorophenol
 Concen: 35.52 ng
 RT: 5.13 min Scan# 310
 Delta R.T. -0.30 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	42.2	63.2
63	25.6	21.8	32.8



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: 32.90 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.27 min

Lab File: BF088451.D

Acq: 27 Jun 2016 12:51

Instrument :

BNA_F

ClientSampled :

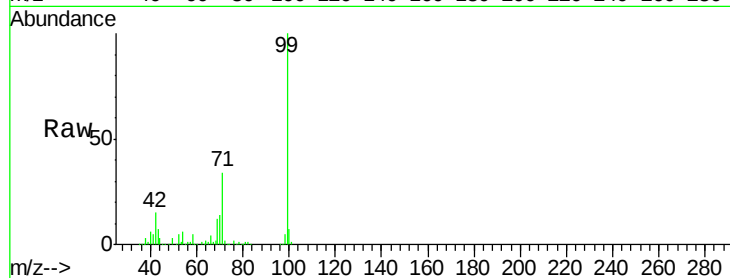
Tot Ion: 99 Resp: 556758

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

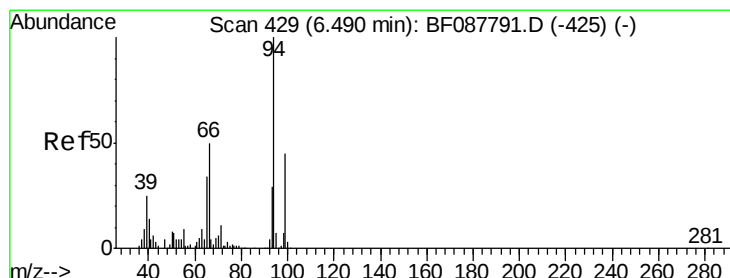
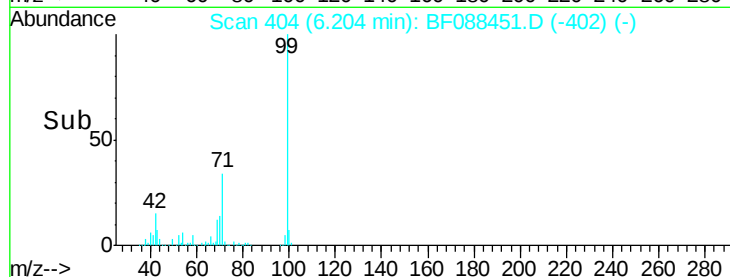
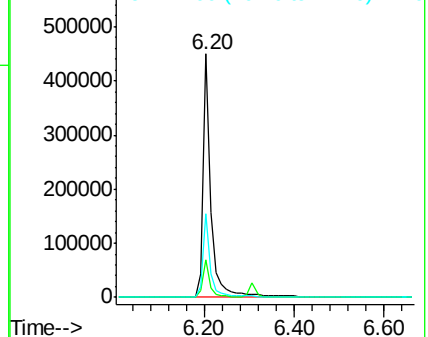
71 34.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.31 min Scan# 413

Delta R.T. -0.18 min

Lab File: BF088451.D

Acq: 27 Jun 2016 12:51

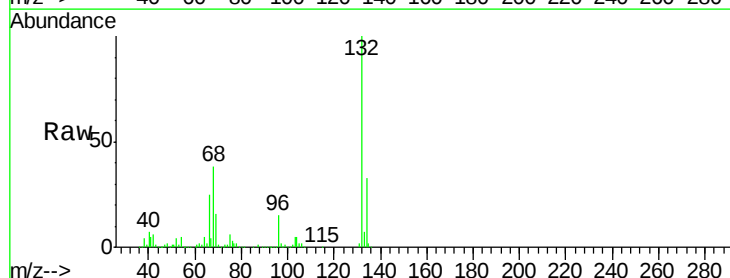
Tgt Ion: 94 Resp: 654

Ion Ratio Lower Upper

94 100

65 1038.1 5.9 45.9#

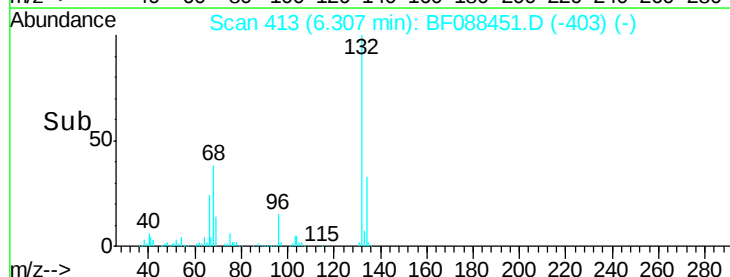
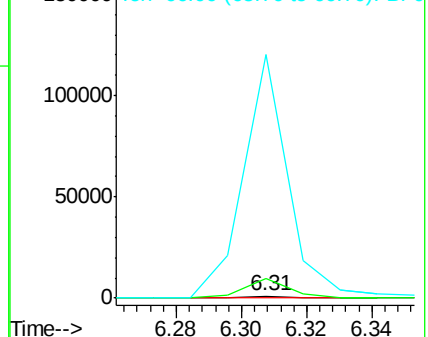
66 12615.3 14.0 54.0#

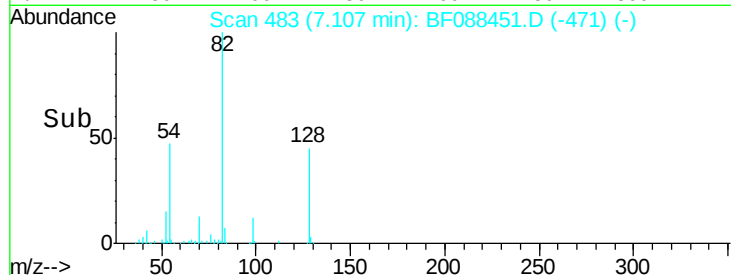
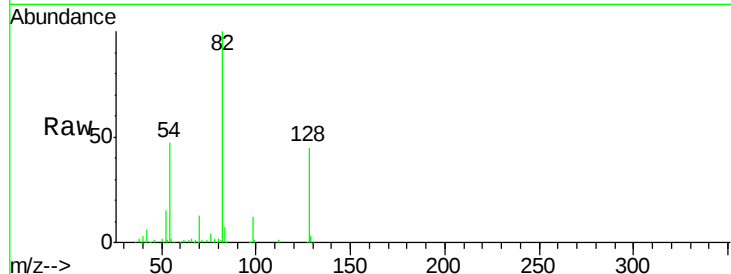


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

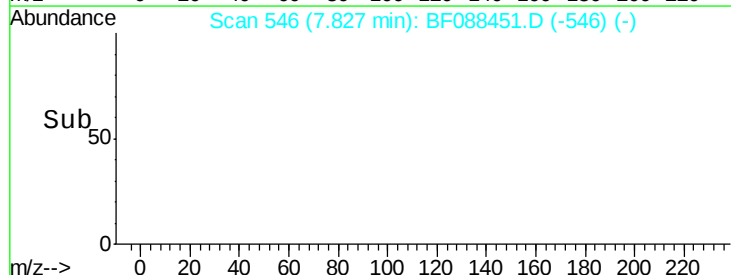
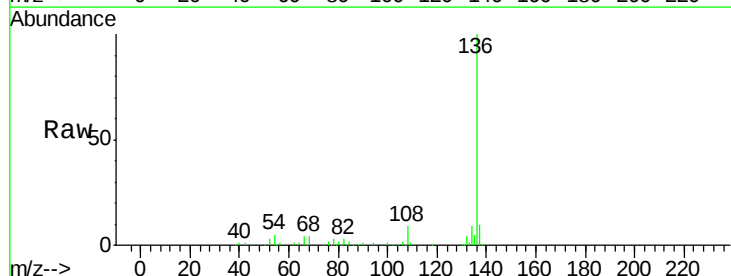
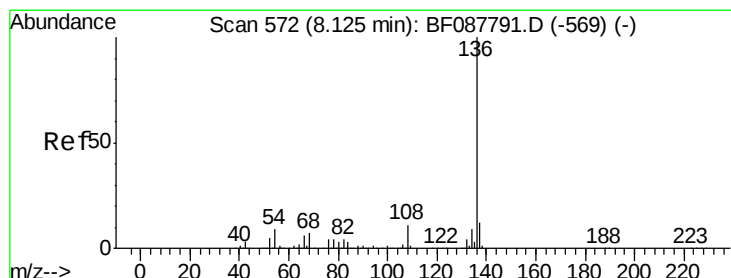
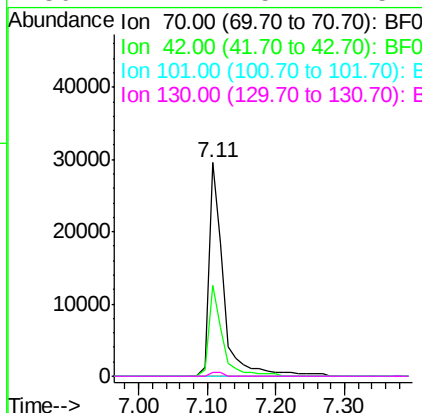




#19
n-Nitroso-di-n-propylamine
Concen: 4.02 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.16 min
Lab File: BF088451.D
Acq: 27 Jun 2016 12:51

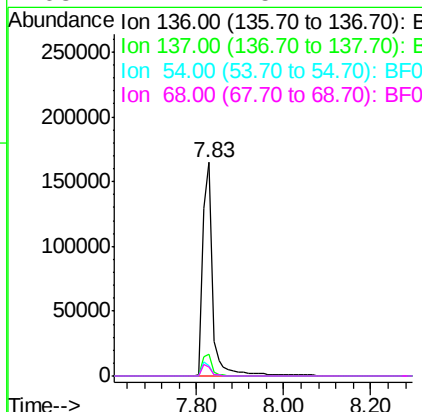
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 43526
Ion Ratio Lower Upper
70 100
42 42.6 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.30 min
Lab File: BF088451.D
Acq: 27 Jun 2016 12:51

Tgt Ion:136 Resp: 256627
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 4.9 6.6 10.0#
68 4.1 5.1 7.7#

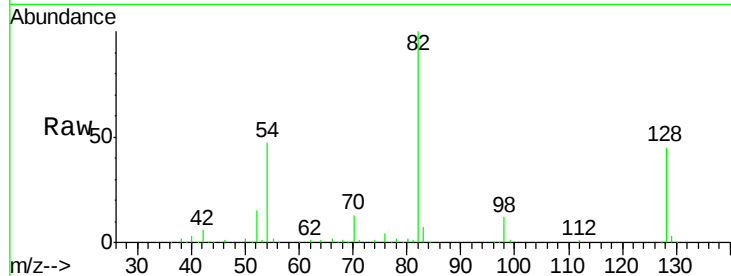




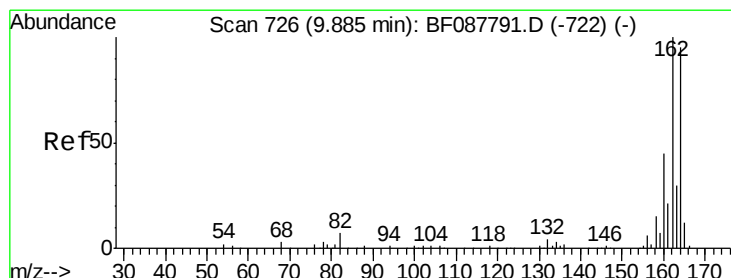
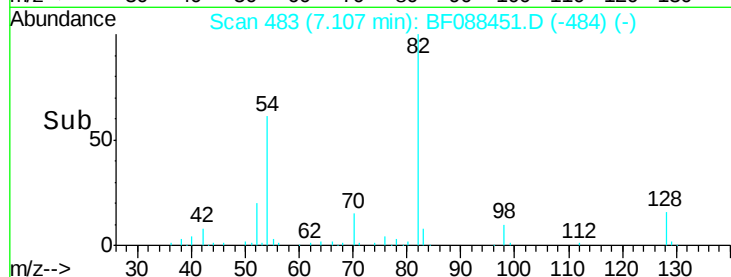
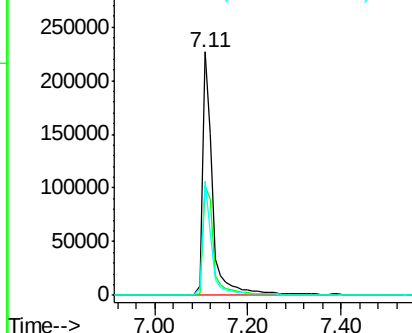
#23
Nitrobenzene-d5
Concen: 79.46 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.31 min
Lab File: BF088451.D
Acq: 27 Jun 2016 12:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 349227
Ion Ratio Lower Upper
82 100
128 45.1 35.9 53.9
54 46.7 40.9 61.3

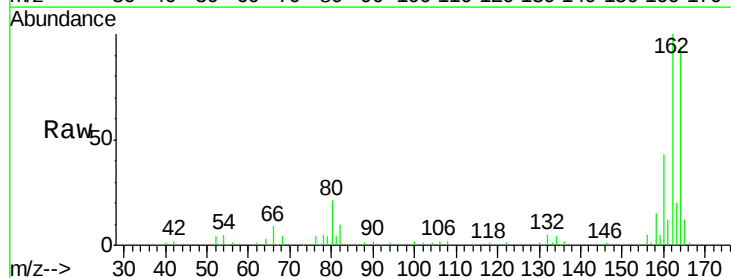


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

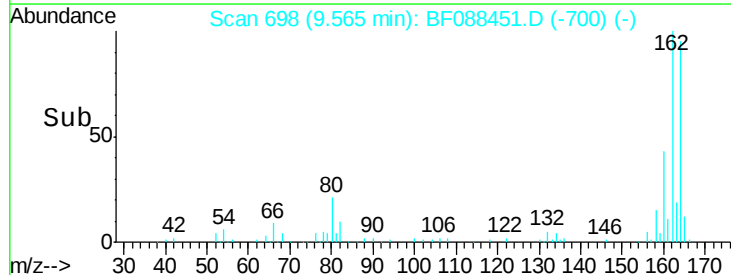
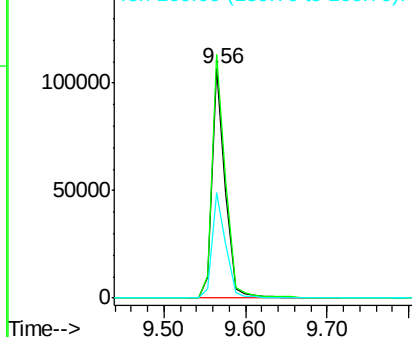


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.32 min
Lab File: BF088451.D
Acq: 27 Jun 2016 12:51

Tgt Ion:164 Resp: 121268
Ion Ratio Lower Upper
164 100
162 106.2 85.4 128.2
160 45.9 39.5 59.3



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

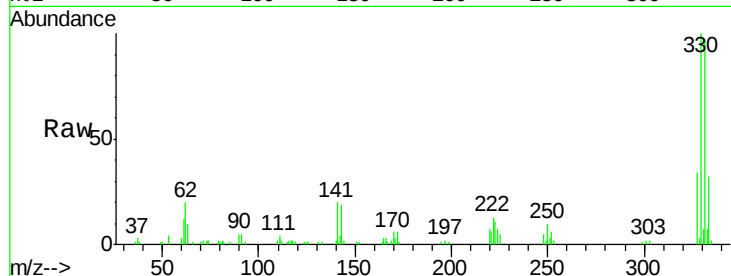




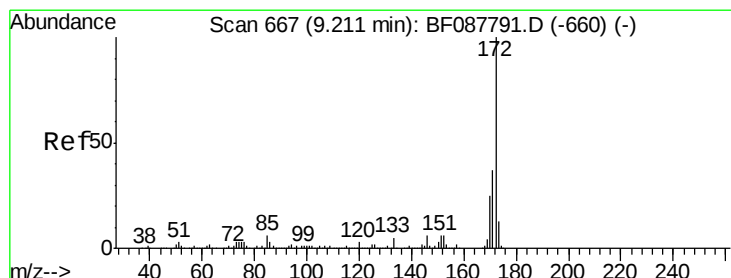
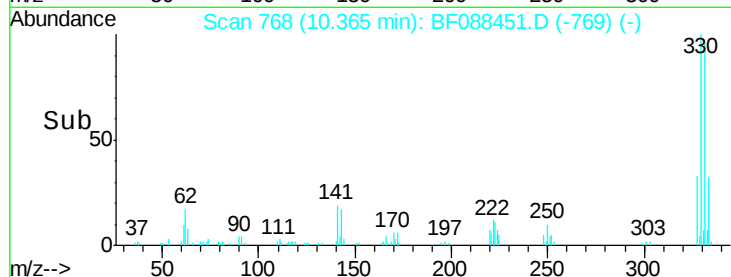
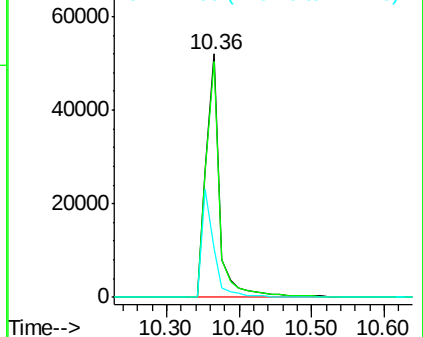
#41
 2,4,6-Tribromophenol
 Concen: 53.43 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.31 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 68418
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 38.8 0.0 0.0#

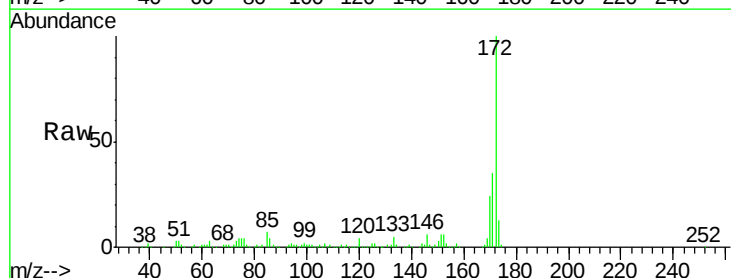


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

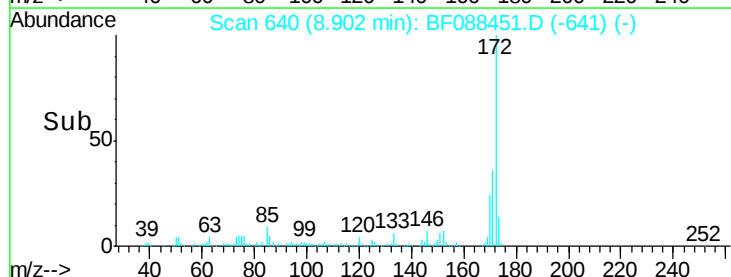
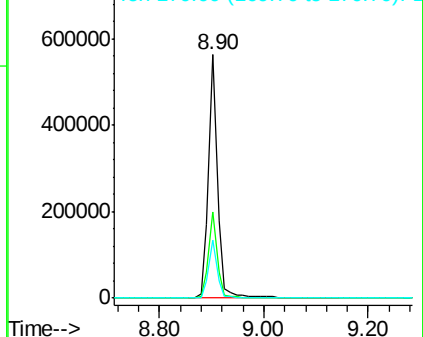


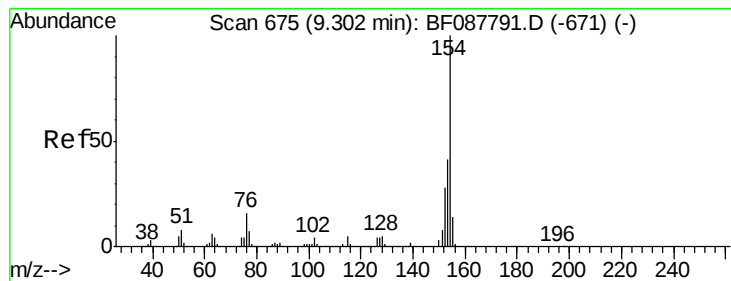
#44
 2-Fluorobiphenyl
 Concen: 89.54 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.31 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Tgt Ion:172 Resp: 688931
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.7 19.2 28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.90 min Scan# 640

Delta R.T. -0.40 min

Lab File: BF088451.D

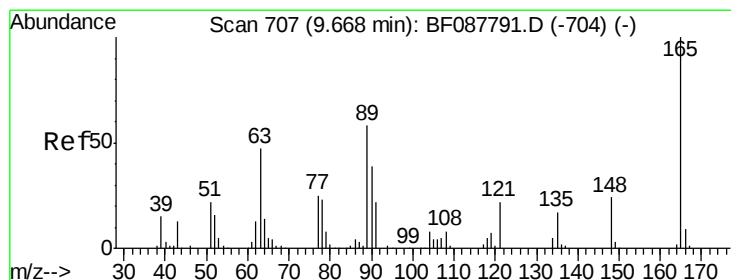
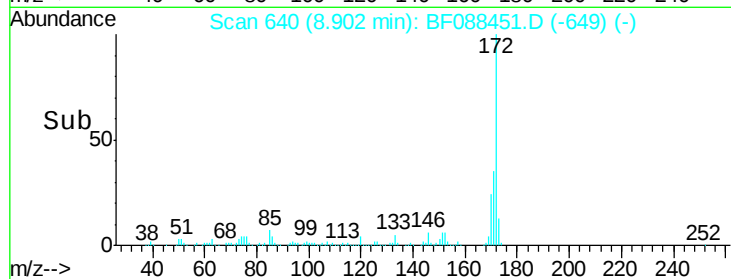
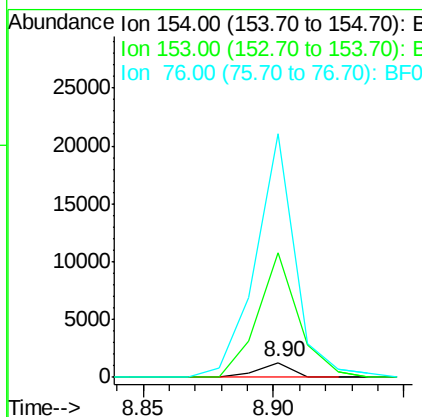
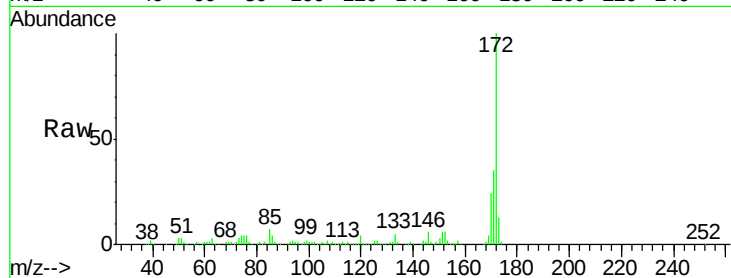
Acq: 27 Jun 2016 12:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:154 Resp: 1140
 Ion Ratio Lower Upper
 154 100
 153 844.9 20.6 60.6#
 76 1655.4 0.0 35.1#



#50

2,6-Dinitrotoluene

Concen: 7.44 ng

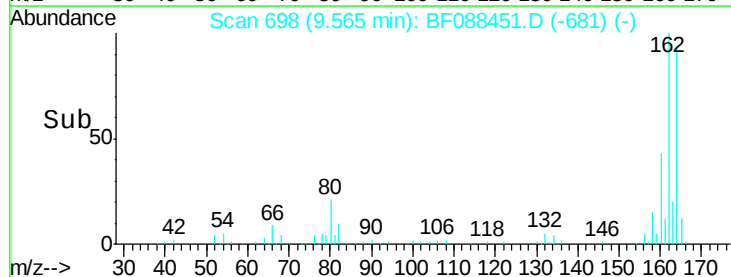
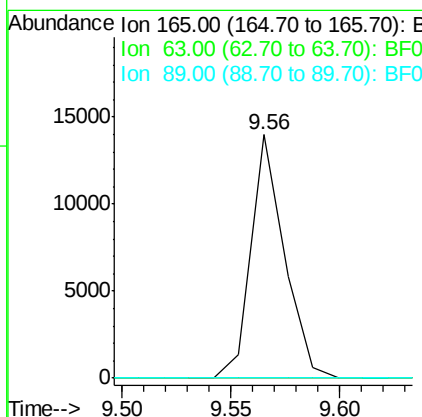
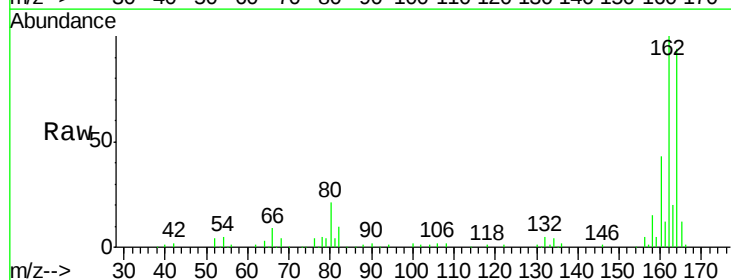
RT: 9.56 min Scan# 698

Delta R.T. -0.10 min

Lab File: BF088451.D

Acq: 27 Jun 2016 12:51

Tgt Ion:165 Resp: 14963
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 0.0 32.2 48.2#

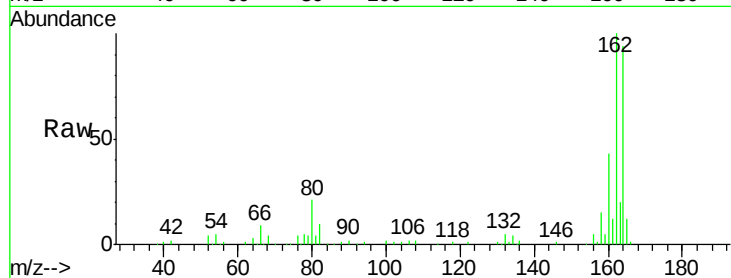




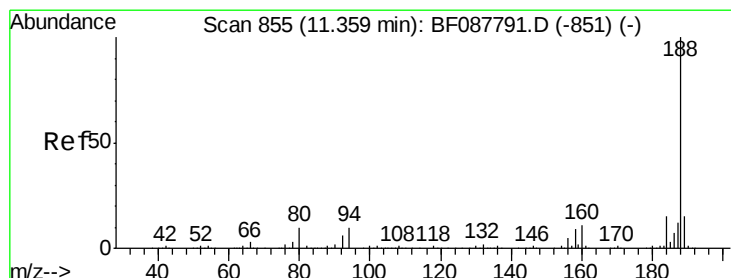
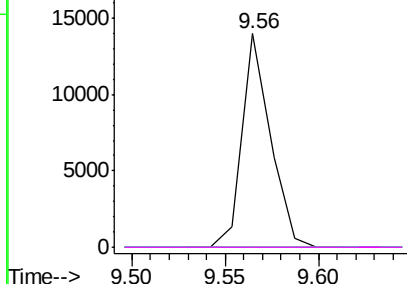
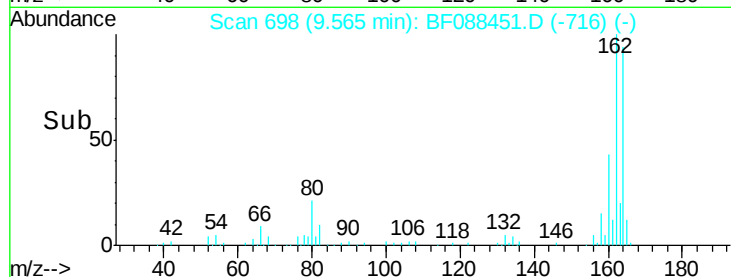
#56
 2,4-Dinitrotoluene
 Concen: 5.79 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.50 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 14964
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.0 33.0#
 89 0.0 41.1 61.7#
 182 0.0 2.0 3.0#

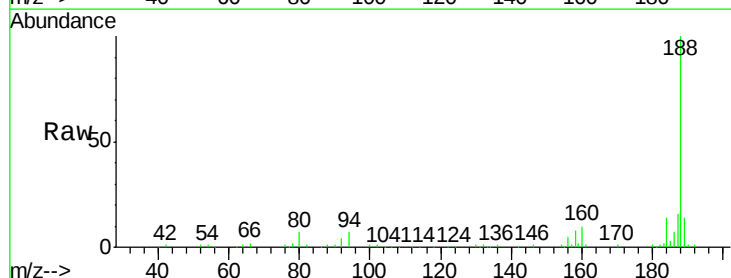


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

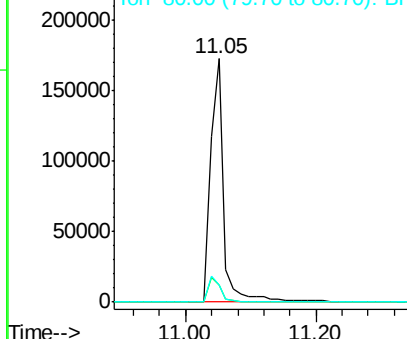
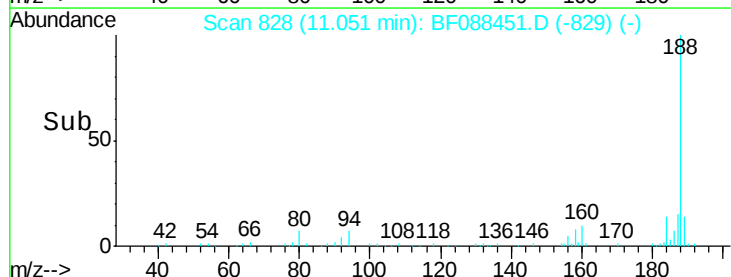


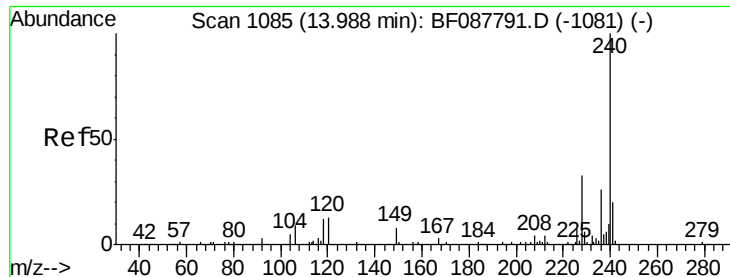
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.31 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Tgt Ion:188 Resp: 241751
 Ion Ratio Lower Upper
 188 100
 94 7.2 9.0 13.6#
 80 7.1 10.0 15.0#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.32 min

Lab File: BF088451.D

Acq: 27 Jun 2016 12:51

Instrument :

BNA_F

ClientSampleId :

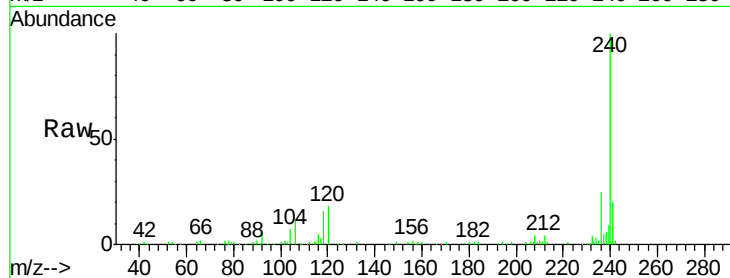
Tot Ion:240 Resp: 202529

Ion Ratio Lower Upper

240 100

120 17.6 6.8 10.2#

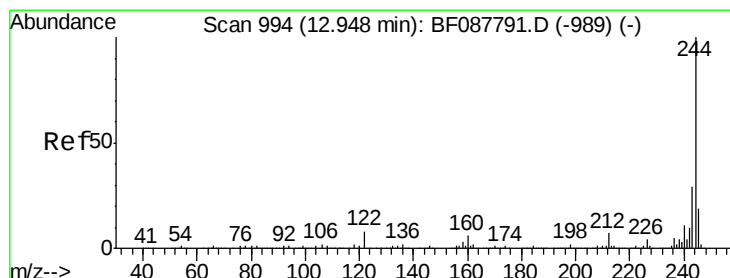
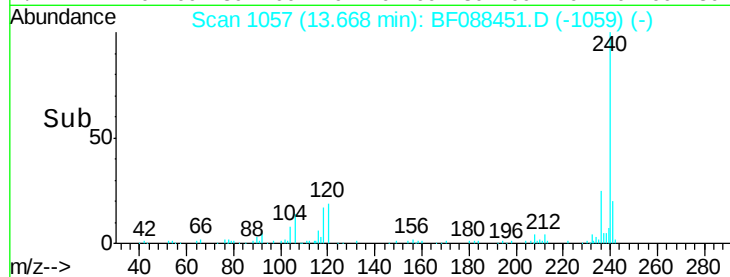
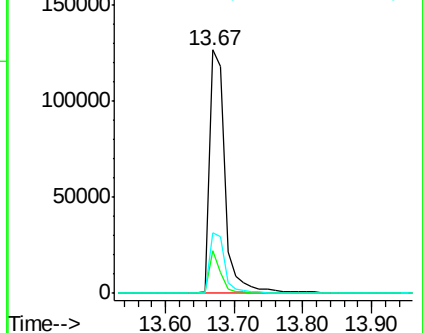
236 25.1 20.2 30.2



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: 78.27 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.32 min

Lab File: BF088451.D

Acq: 27 Jun 2016 12:51

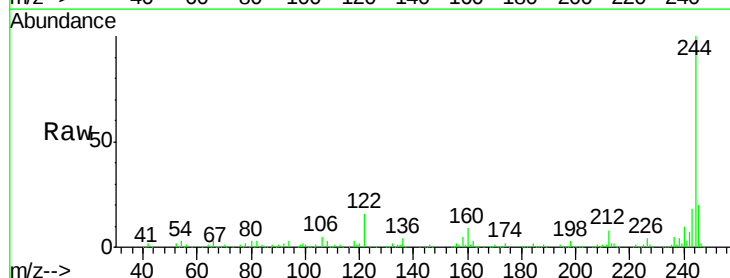
Tgt Ion:244 Resp: 696656

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

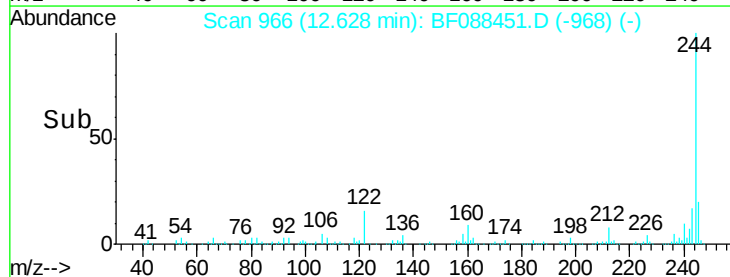
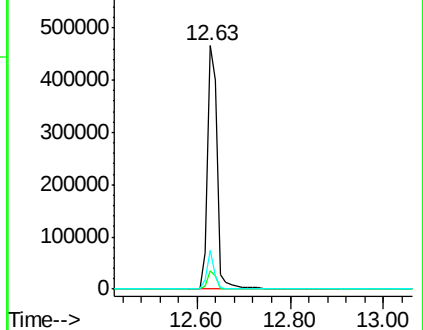
122 15.8 11.2 16.8

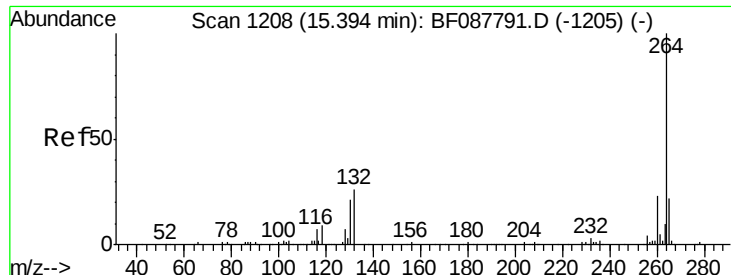


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

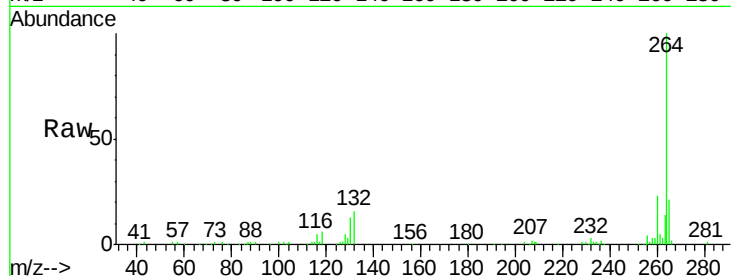




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088451.D
 Acq: 27 Jun 2016 12:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.5	16.9	25.3



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

