

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088273.D
 Acq On : 23 Jun 2016 4:06
 Operator : UM/SJ
 Sample : PB90599BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

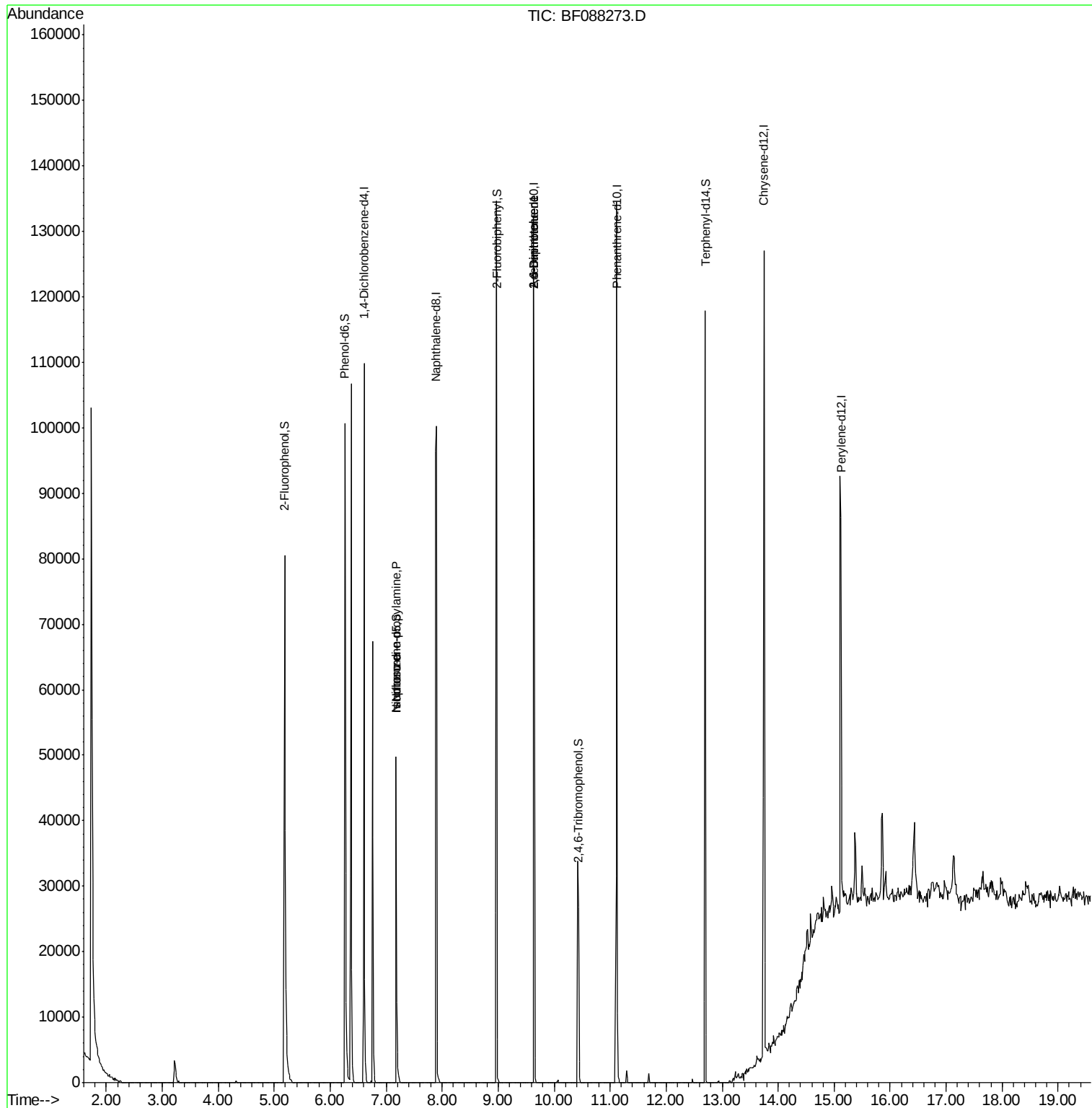
Quant Time: Jun 23 04:42:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

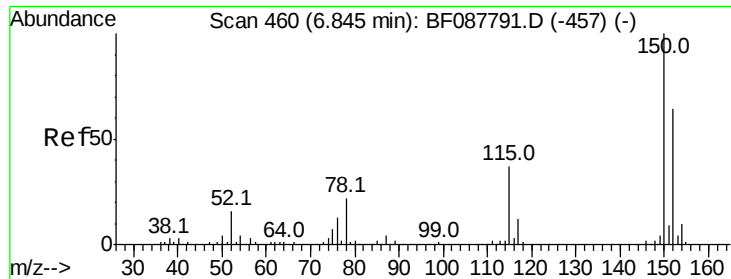
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	19462	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	78095	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	33980	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	53534	20.00	ng	0.00
75) Chrysene-d12	13.75	240	47445	20.00	ng	0.00
86) Perylene-d12	15.12	264	35324	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	38127	33.49	ng	0.01
7) Phenol-d6	6.26	99	47253	34.25	ng	0.00
23) Nitrobenzene-d5	7.18	82	19394	14.50	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	6549	18.25	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	47246	17.44	ng	0.00
78) Terphenyl-d14	12.70	244	37363	17.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	2223	2.52	ng	# 68
25) Isophorone	7.18	82	19394	7.83	ng	# 65
50) 2,6-Dinitrotoluene	9.63	165	4390	7.79	ng	# 37
56) 2,4-Dinitrotoluene	9.63	165	4390	6.06	ng	# 36
57) Fluorene	10.42	166	210	Below Cal		# 63

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

```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\  
Data File : BF088273.D  
Acq On    : 23 Jun 2016    4:06  
Operator  : UM/SJ  
Sample    : PB90599BL  
Misc      :  
ALS Vial  : 26    Sample Multiplier: 1
```

Quant Time: Jun 23 04:42:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

Instrument :

BNA_F

ClientSampleId :

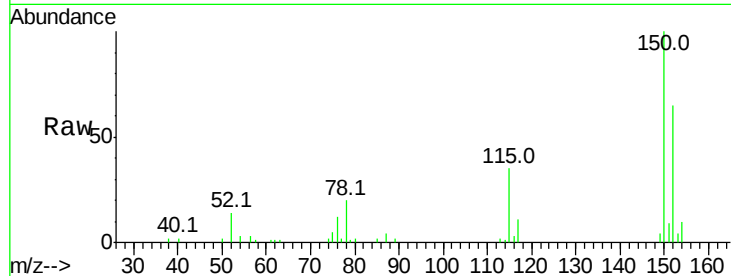
Tot Ion:152 Resp: 19462

Ion Ratio Lower Upper

152 100

150 153.1 123.8 185.6

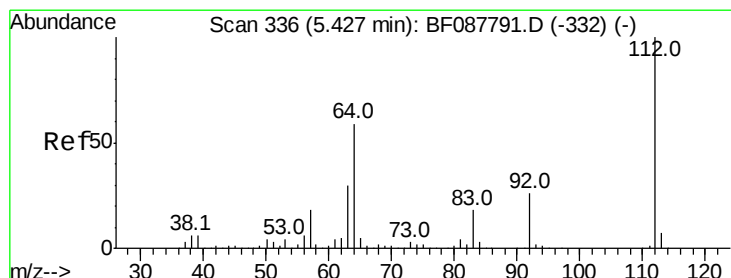
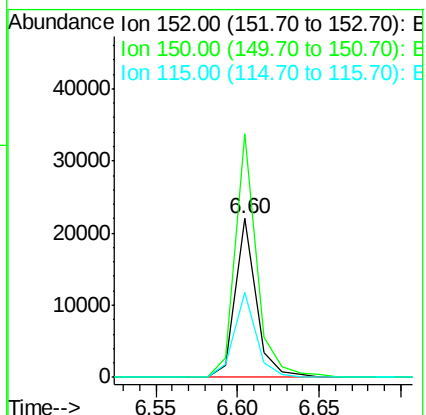
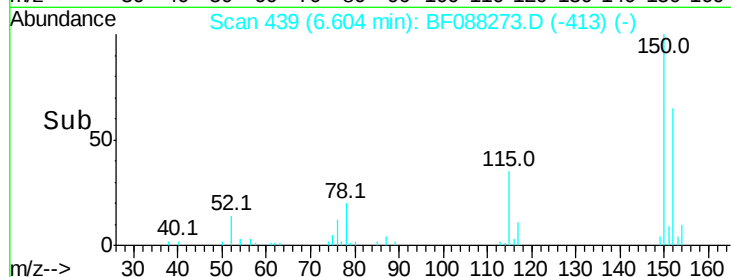
115 53.5 39.6 59.4



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: 33.49 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

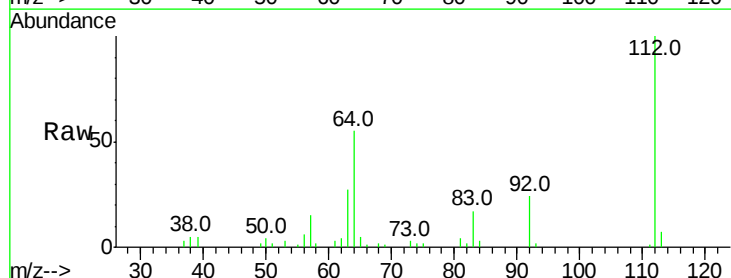
Tgt Ion:112 Resp: 38127

Ion Ratio Lower Upper

112 100

64 54.9 42.2 63.2

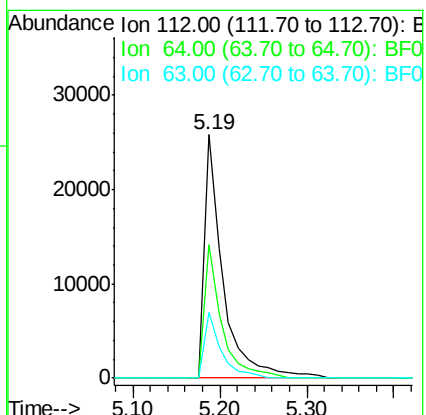
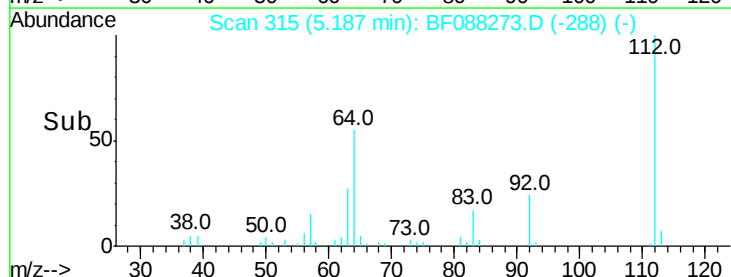
63 26.7 21.8 32.8



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: 34.25 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.00 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

Instrument :

BNA_F

ClientSampleId :

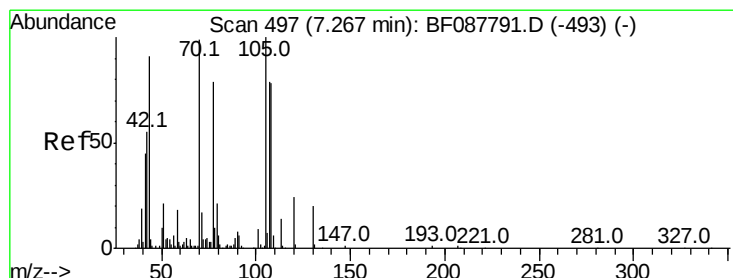
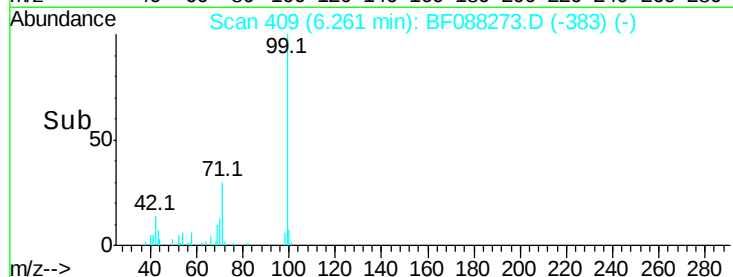
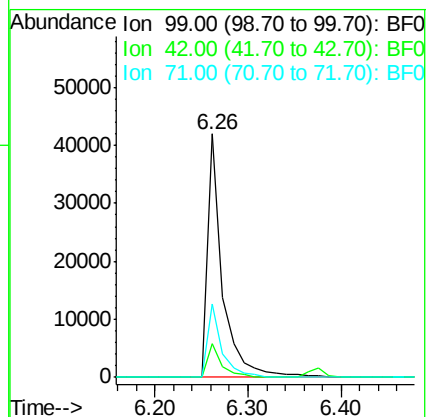
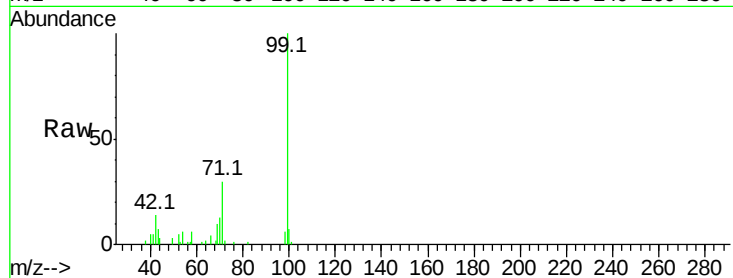
Tot Ion: 99 Resp: 47253

Ion Ratio Lower Upper

99 100

42 13.6 12.2 18.2

71 30.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.52 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

Tgt Ion: 70 Resp: 2223

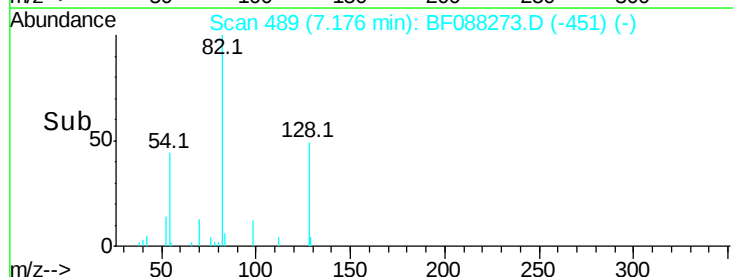
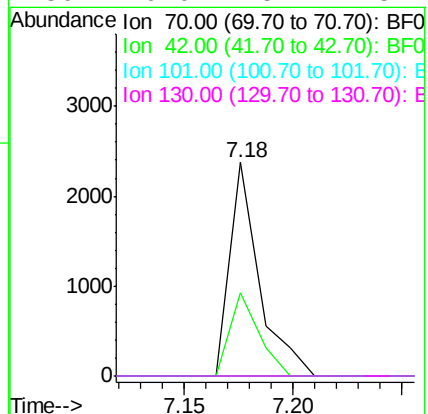
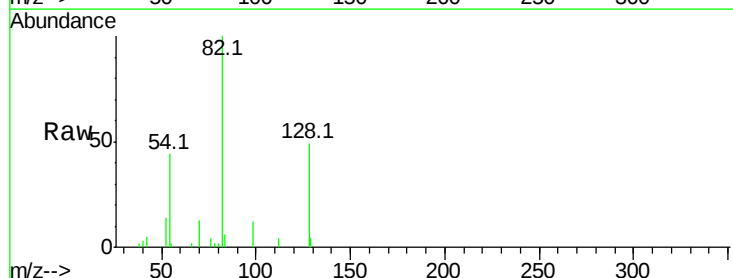
Ion Ratio Lower Upper

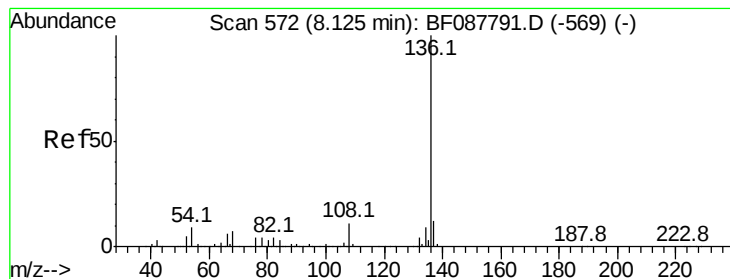
70 100

42 39.1 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 78095

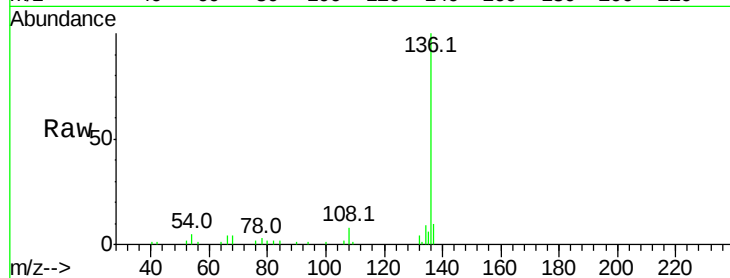
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 4.7 6.6 10.0#

68 3.9 5.1 7.7#

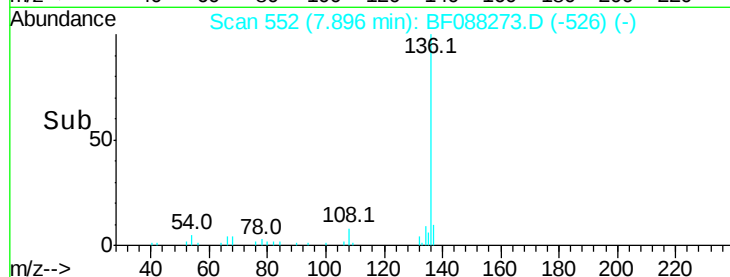


Abundance Ion 136.00 (135.70 to 136.70): E

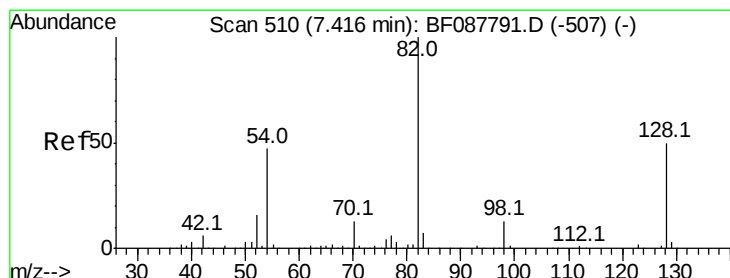
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 14.50 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

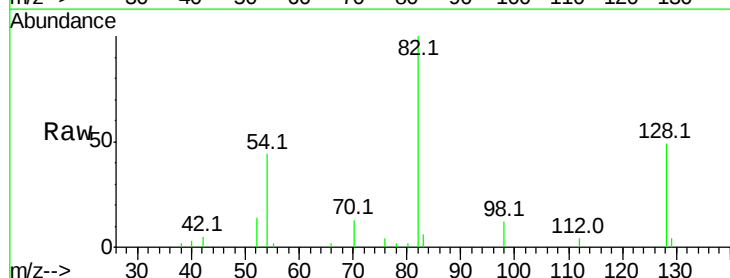
Tgt Ion: 82 Resp: 19394

Ion Ratio Lower Upper

82 100

128 48.5 35.9 53.9

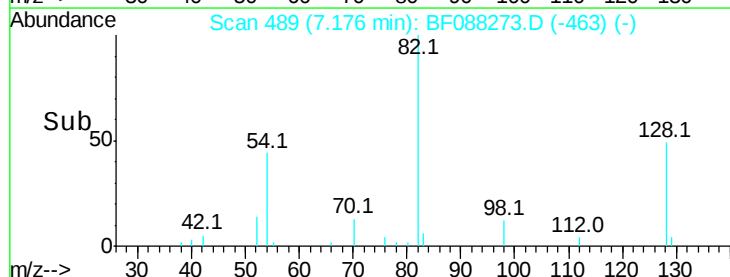
54 43.6 40.9 61.3



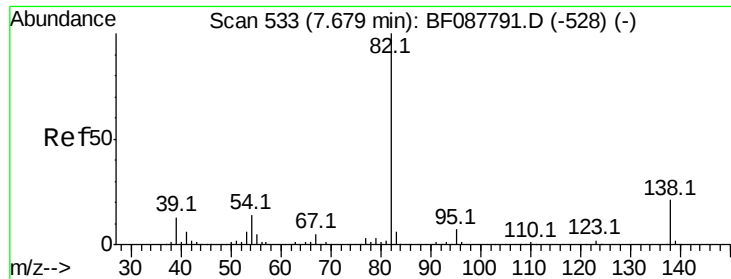
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 7.83 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

Instrument :

BNA_F

ClientSampled :

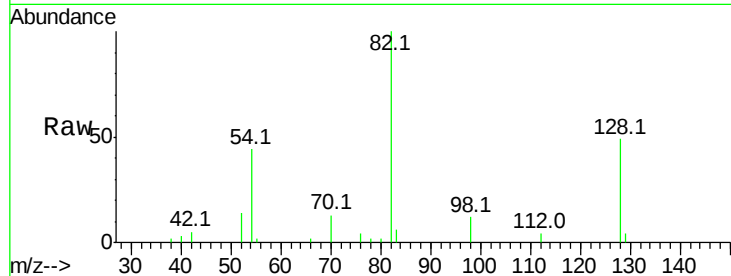
Tot Ion: 82 Resp: 19394

Ion Ratio Lower Upper

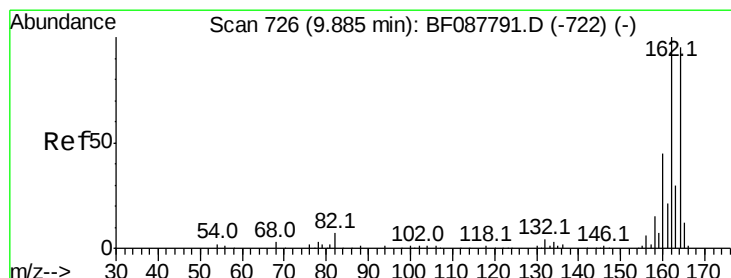
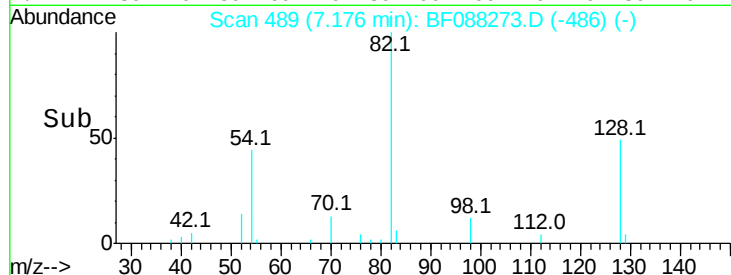
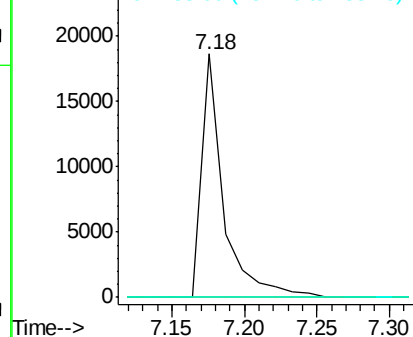
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

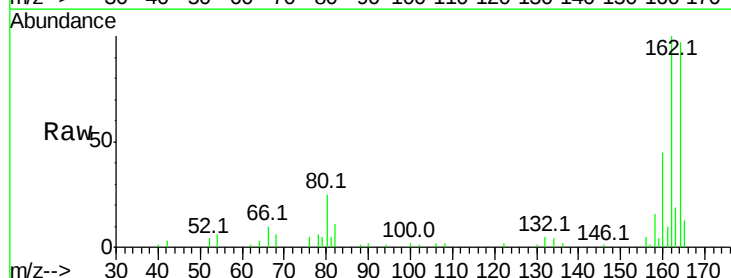
Tgt Ion:164 Resp: 33980

Ion Ratio Lower Upper

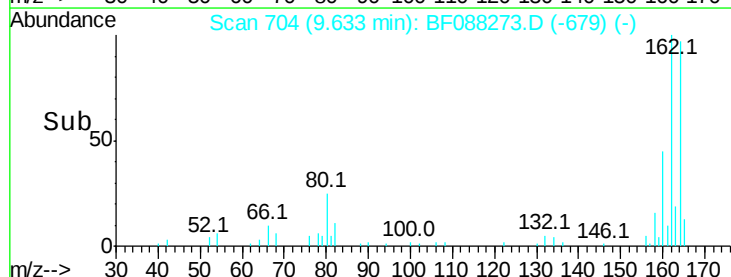
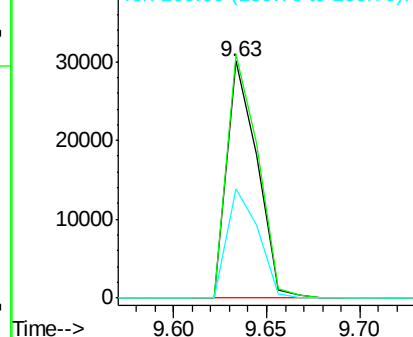
164 100

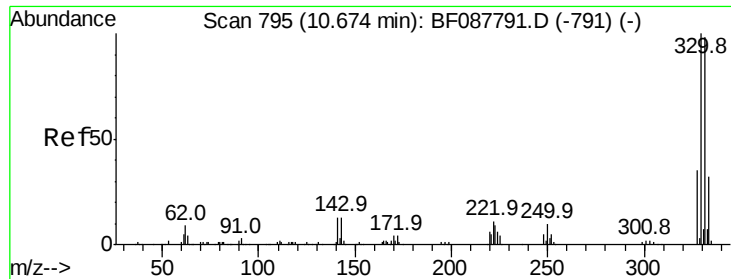
162 102.8 85.4 128.2

160 46.3 39.5 59.3



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

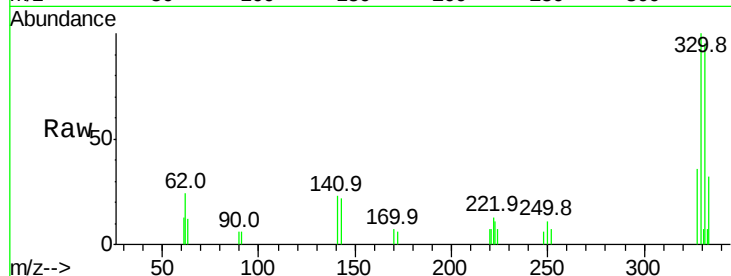




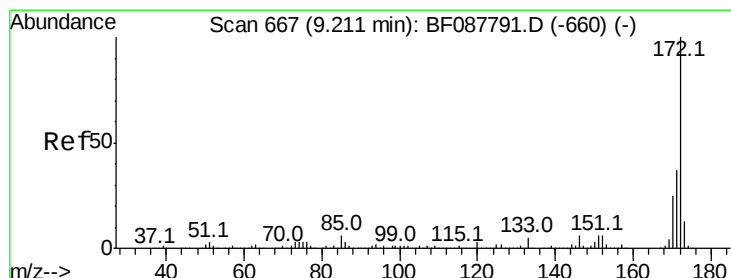
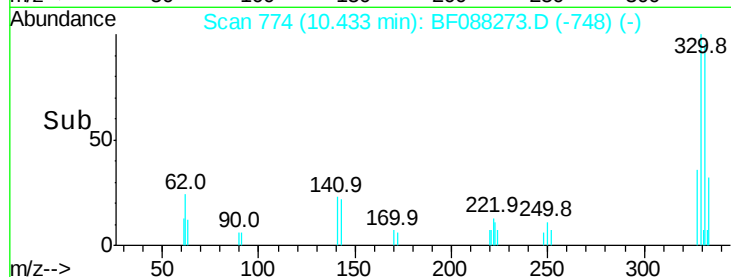
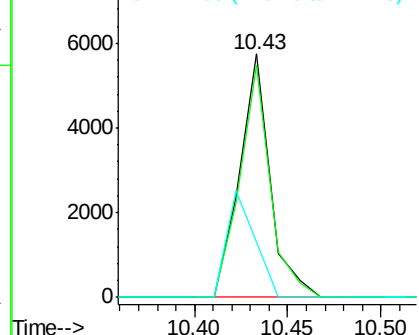
#41
 2,4,6-Tribromophenol
 Concen: 18.25 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BF088273.D
 Acq: 23 Jun 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 6549
 Ion Ratio Lower Upper
 330 100
 332 95.0 0.0 0.0#
 141 40.4 0.0 0.0#

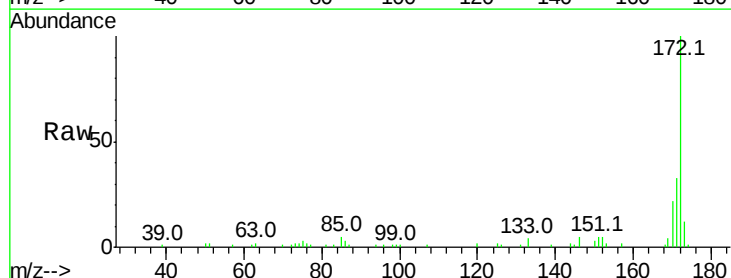


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

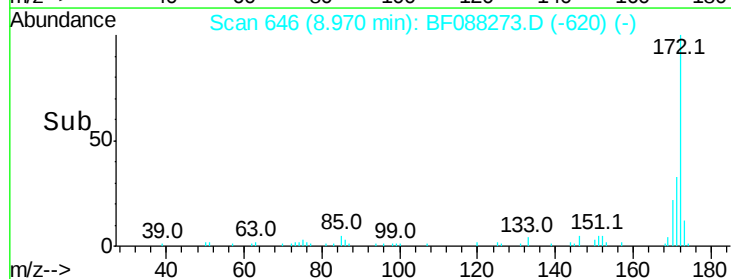
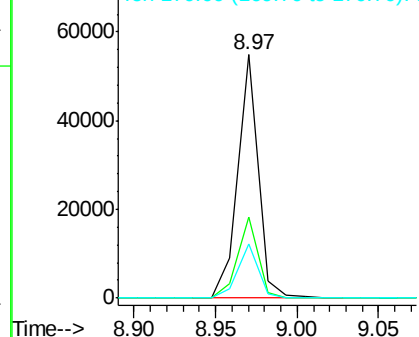


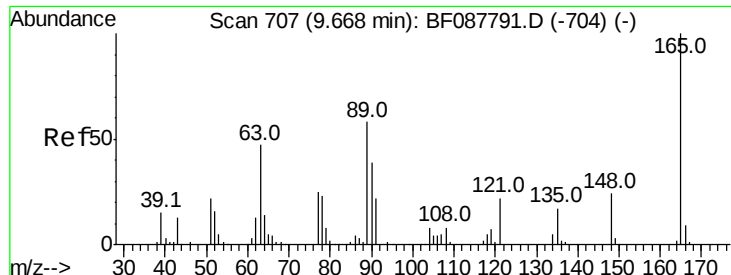
#44
 2-Fluorobiphenyl
 Concen: 17.44 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF088273.D
 Acq: 23 Jun 2016 4:06

Tgt Ion:172 Resp: 47246
 Ion Ratio Lower Upper
 172 100
 171 33.4 28.6 43.0
 170 22.5 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

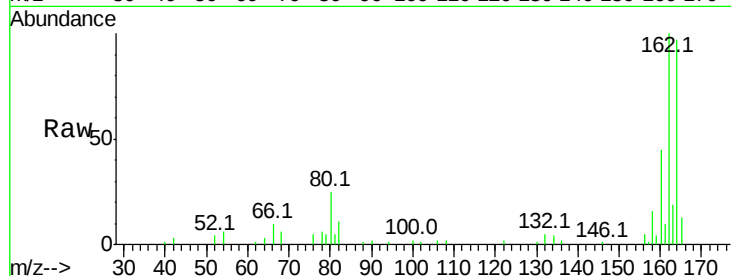




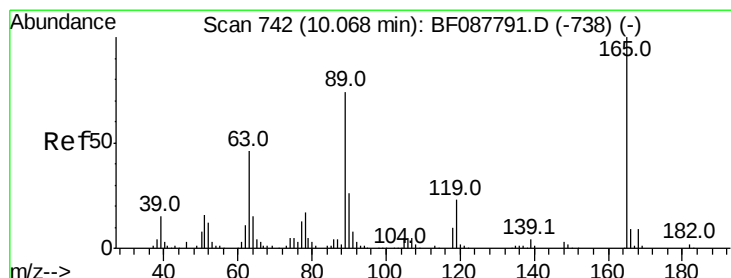
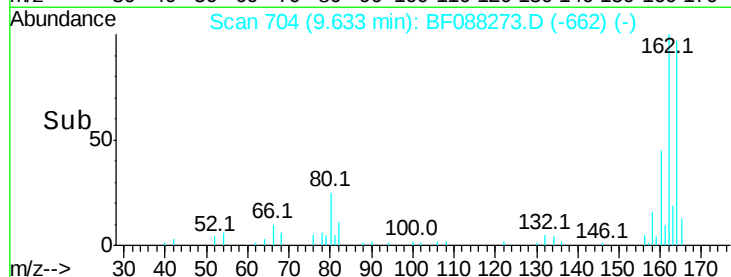
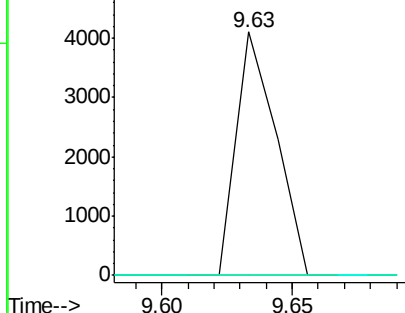
#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.63 min Scan# 704
 Delta R.T. 0.18 min
 Lab File: BF088273.D
 Acq: 23 Jun 2016 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 4390
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 0.0 32.2 48.2#

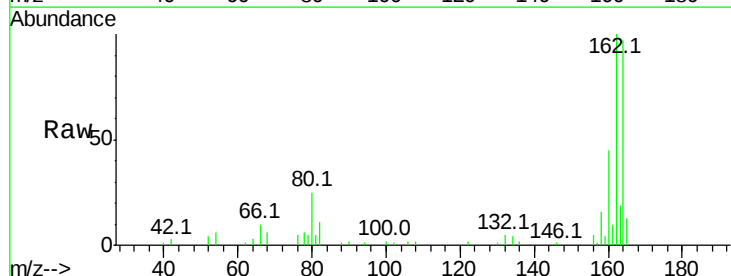


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

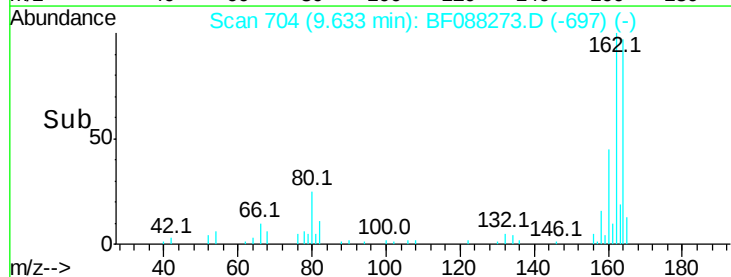
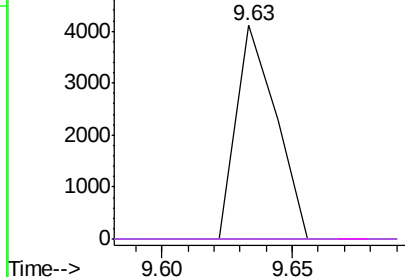


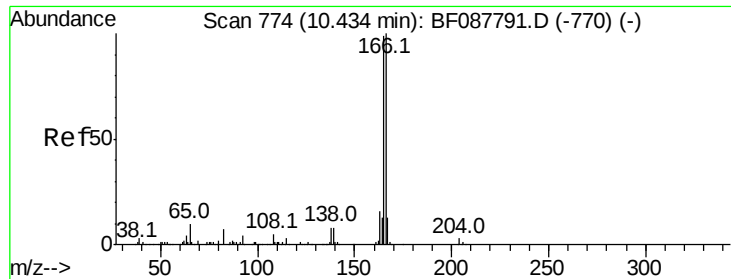
#56
 2,4-Dinitrotoluene
 Concen: 6.06 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.22 min
 Lab File: BF088273.D
 Acq: 23 Jun 2016 4:06

Tgt Ion:165 Resp: 4390
 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

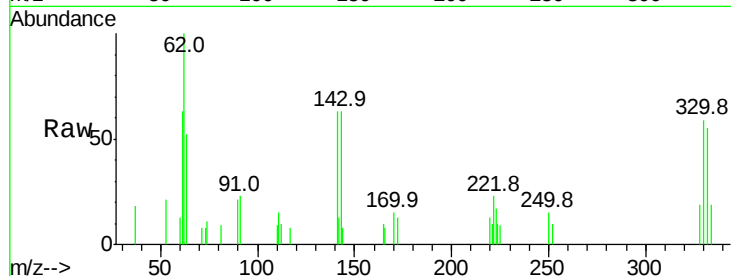




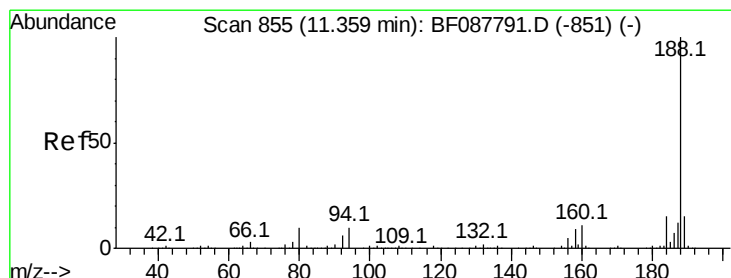
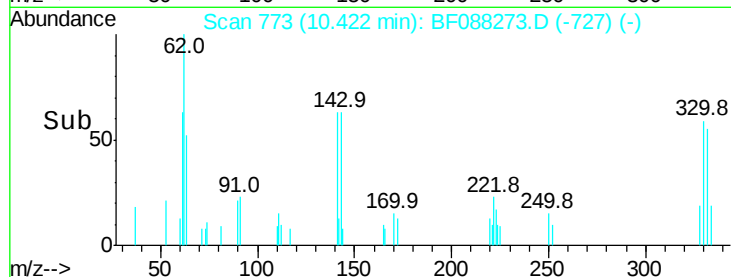
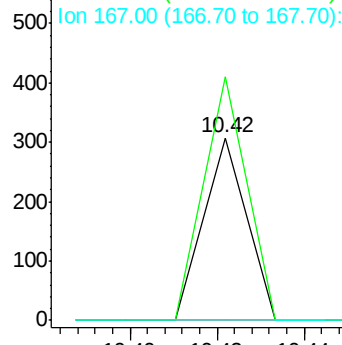
#57
Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 773
 Delta R.T. 0.23 min
 Lab File: BF088273.D
 Acq: 23 Jun 2016 4:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 210
 Ion Ratio Lower Upper
 166 100
 165 133.6 77.8 116.8#
 167 0.0 11.2 16.8#

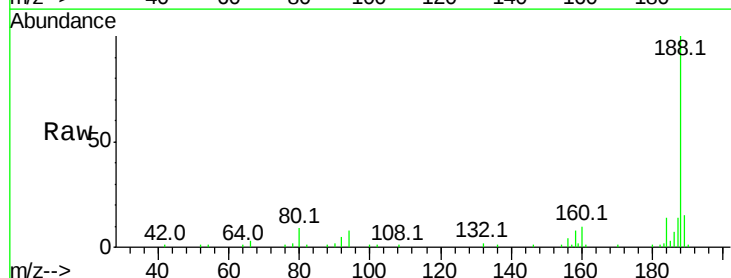


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

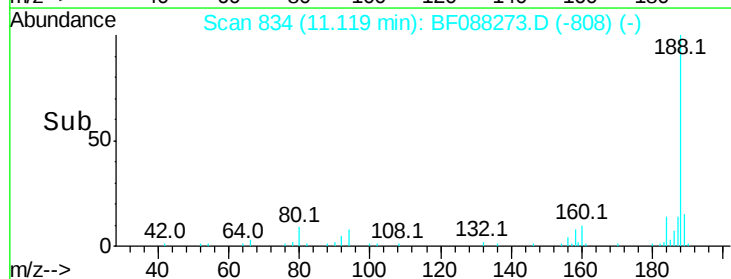
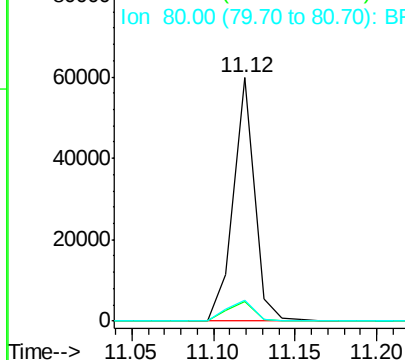


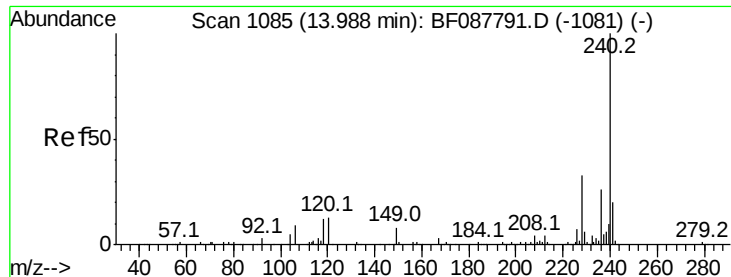
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: BF088273.D
 Acq: 23 Jun 2016 4:06

Tgt Ion:188 Resp: 53534
 Ion Ratio Lower Upper
 188 100
 94 8.1 9.0 13.6#
 80 8.6 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: 13.75 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

Instrument :

BNA_F

ClientSampleId :

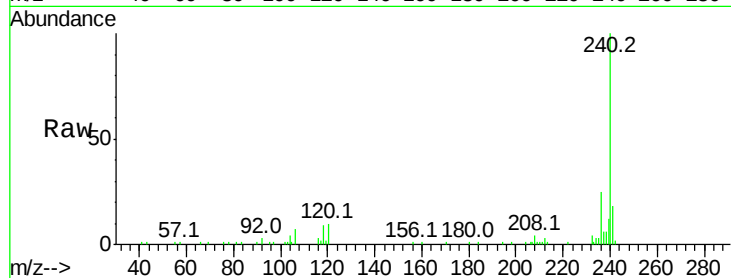
Tot Ion:240 Resp: 47445

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

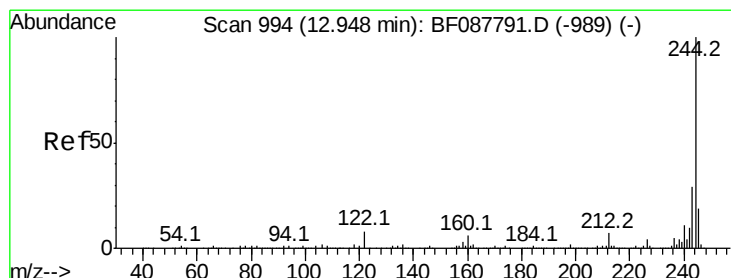
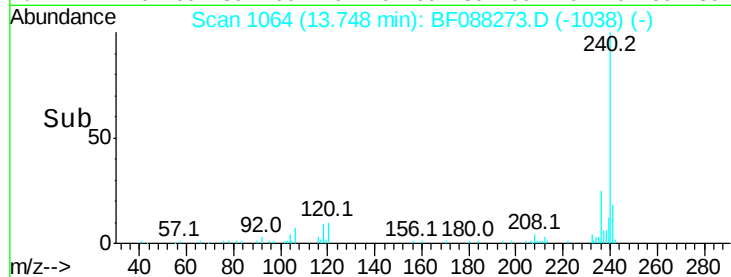
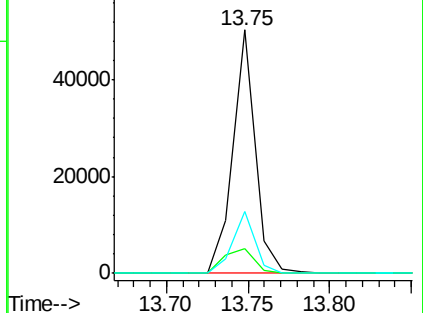
236 25.3 20.2 30.2



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: 17.92 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF088273.D

Acq: 23 Jun 2016 4:06

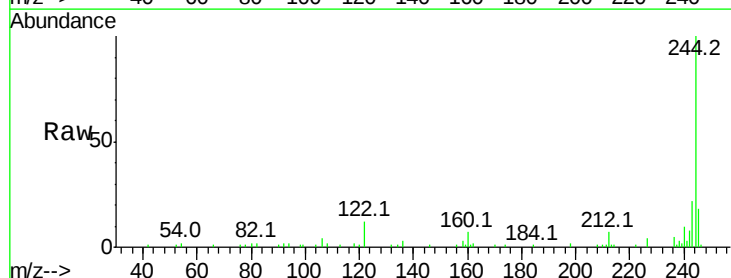
Tgt Ion:244 Resp: 37363

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

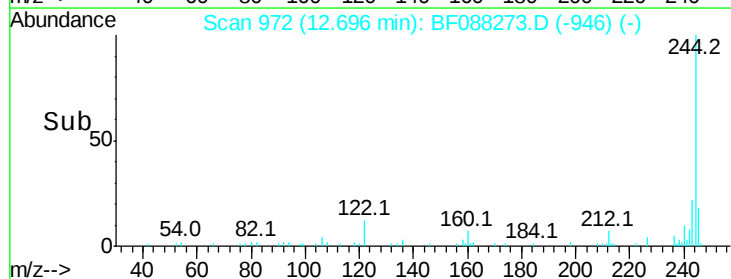
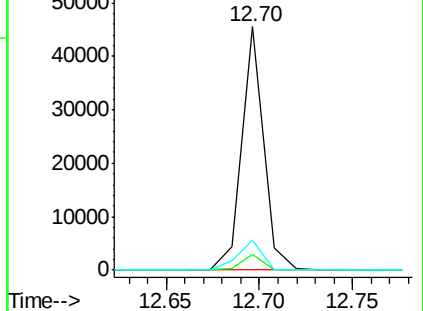
122 12.0 11.2 16.8

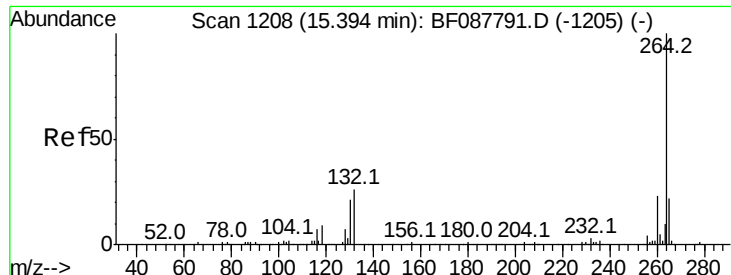


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF088273.D
Acq: 23 Jun 2016 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 35324

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	21.3	16.9	25.3

