

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085232.D
 Acq On : 5 Mar 2016 4:58
 Operator : SJ/IZ
 Sample : H1663-02RE
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

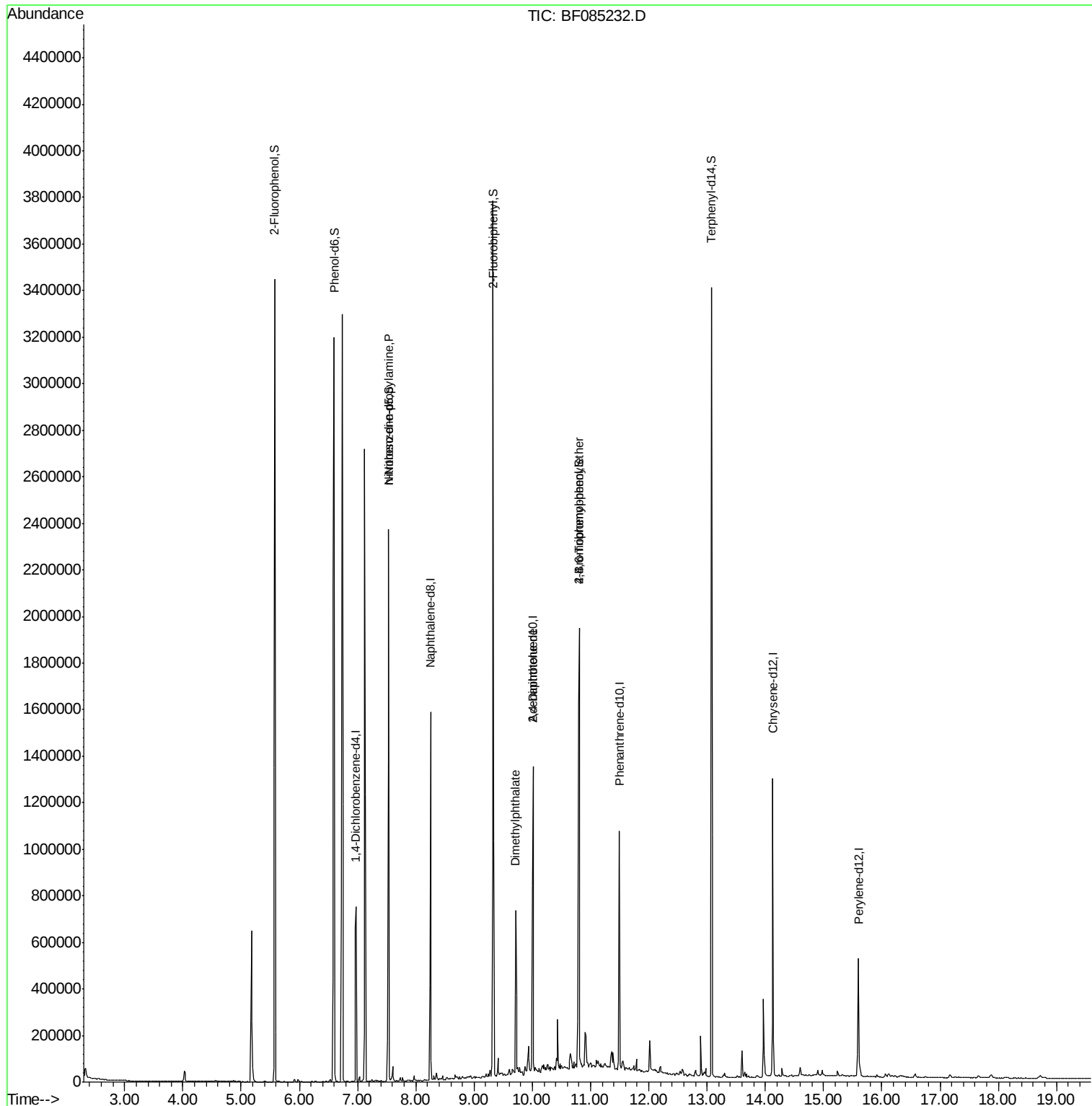
Quant Time: Mar 06 23:44:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

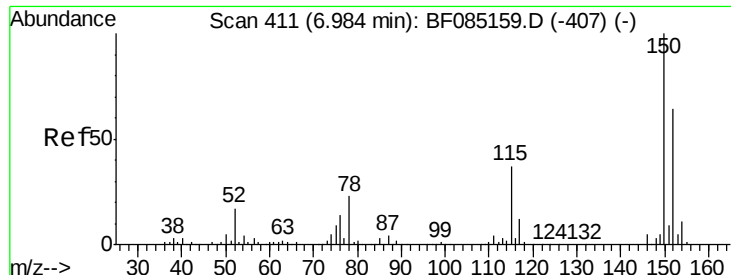
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	163816	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	710838	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	316389	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	571105	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	404947	20.00	ng	-0.02
86) Perylene-d12	15.60	264	277406	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	1021451	104.59	ng	0.00
7) Phenol-d6	6.60	99	1514969	118.40	ng	-0.01
23) Nitrobenzene-d5	7.53	82	958454	72.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	337610	124.71	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	1326369	63.76	ng	-0.02
78) Terphenyl-d14	13.08	244	1119913	64.20	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	130344	15.63	ng	# 76
49) Dimethylphthalate	9.72	163	297215	12.24	ng	99
56) 2,4-Dinitrotoluene	10.01	165	42173	6.34	ng	# 22
66) 4-Bromophenyl-phenylether	10.80	248	23115	4.17	ng	# 1

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

```
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Instrument :

BNA_F

ClientSampleId :

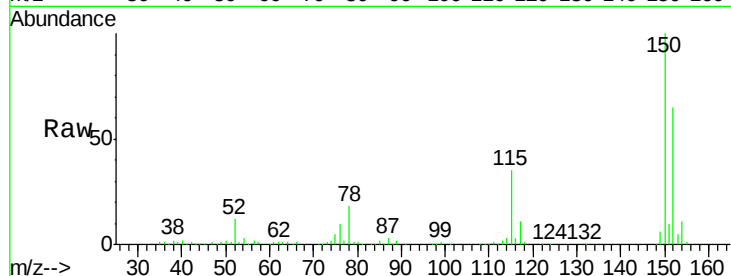
Tgt Ion:152 Resp: 163816

Ion Ratio Lower Upper

152 100

150 154.5 124.6 186.8

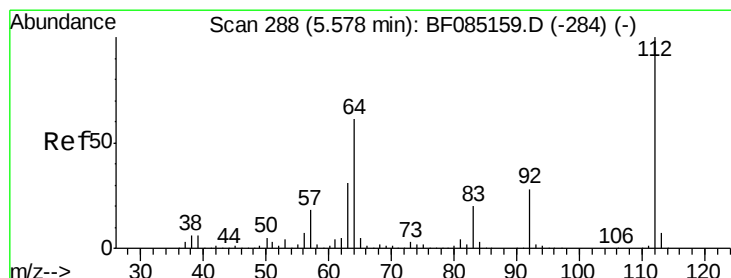
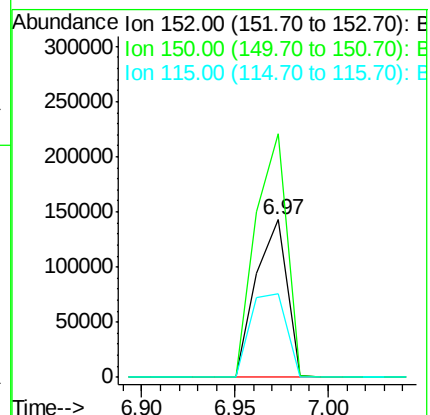
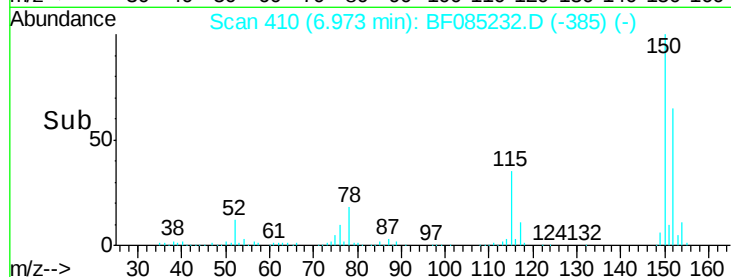
115 53.4 46.6 70.0



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: 104.59 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

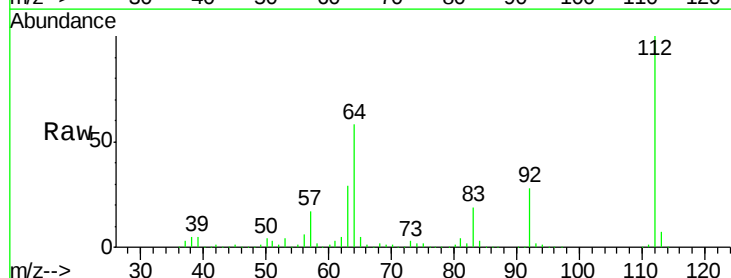
Tgt Ion:112 Resp: 1021451

Ion Ratio Lower Upper

112 100

64 57.9 49.0 73.4

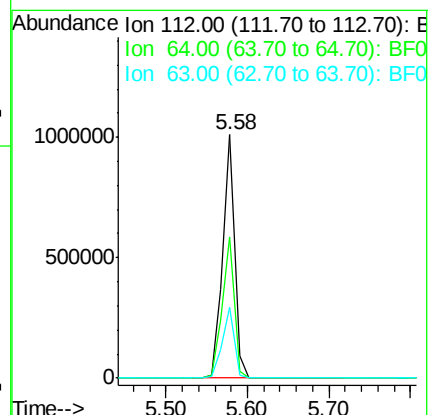
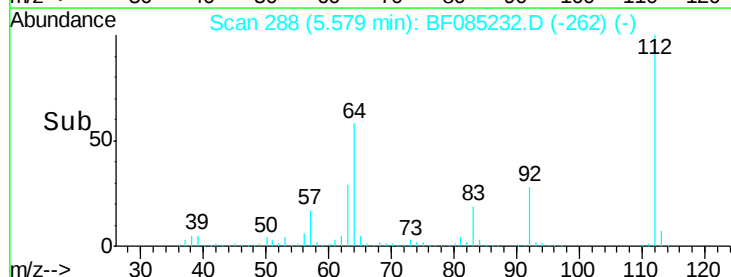
63 29.1 24.8 37.2

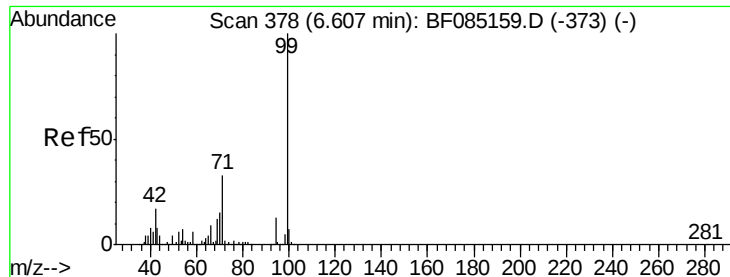


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.40 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Instrument :

BNA_F

ClientSampleId :

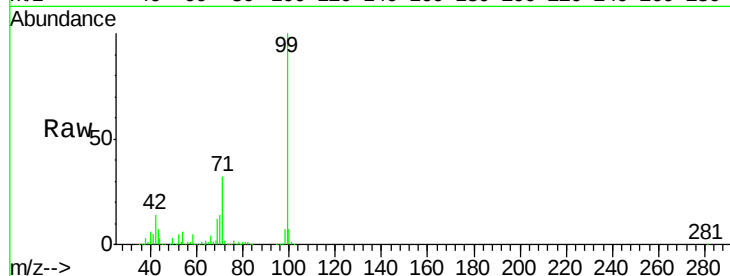
Tgt Ion: 99 Resp: 1514969

Ion Ratio Lower Upper

99 100

42 14.0 13.6 20.4

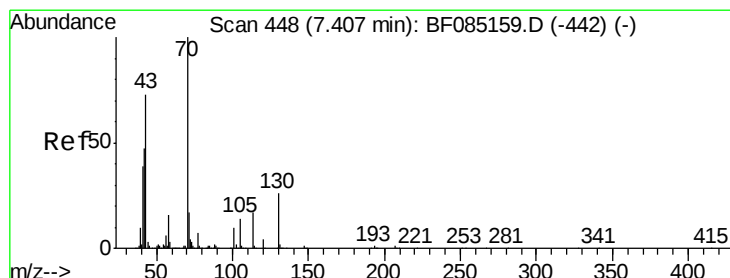
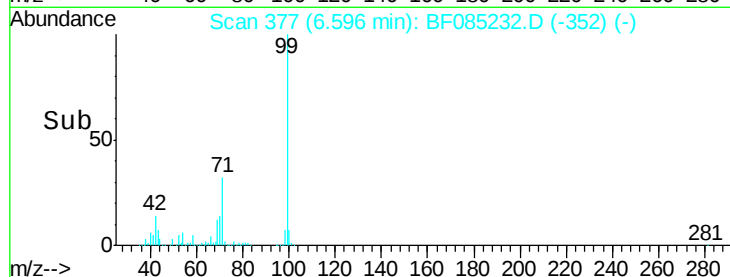
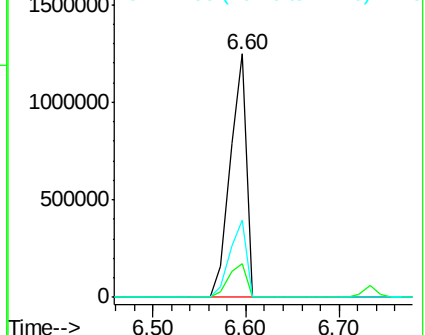
71 31.8 26.7 40.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.63 ng

RT: 7.53 min Scan# 459

Delta R.T. 0.13 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Tgt Ion: 70 Resp: 130344

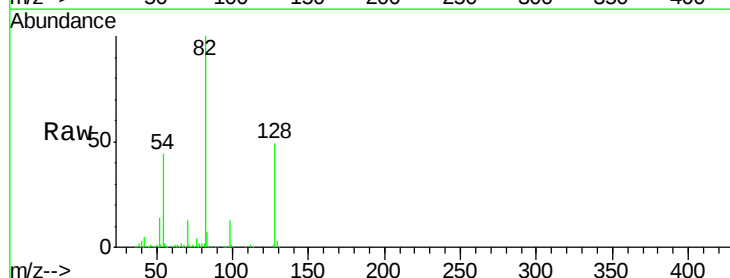
Ion Ratio Lower Upper

70 100

42 39.8 37.7 56.5

101 0.0 8.2 12.4#

130 2.2 20.5 30.7#

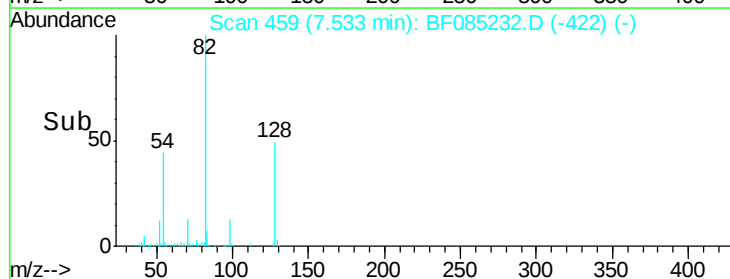
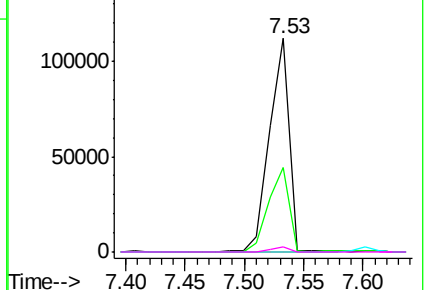


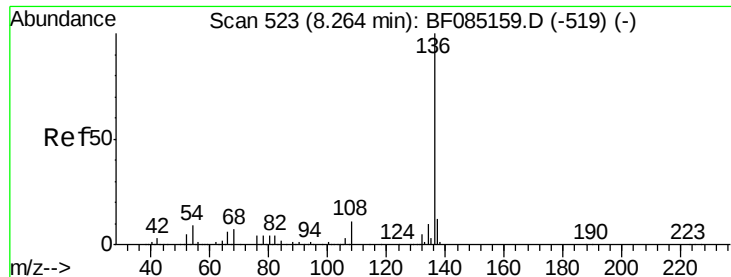
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.25 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 136 Resp: 710838

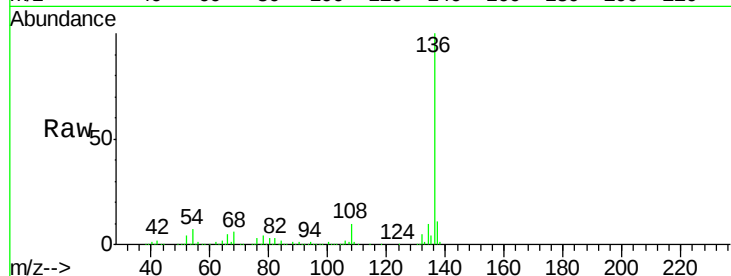
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.2 7.4 11.2#

68 6.0 6.0 9.0#

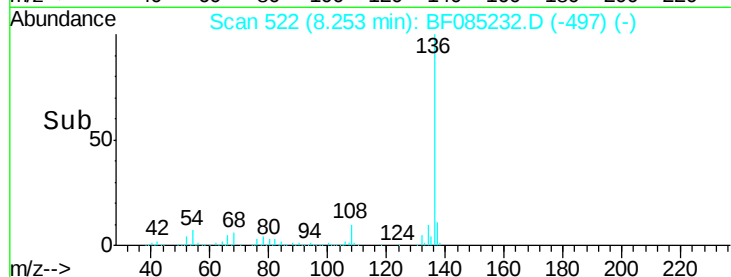


Abundance Ion 136.00 (135.70 to 136.70): E

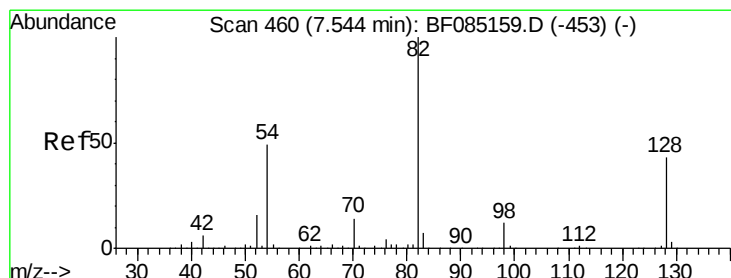
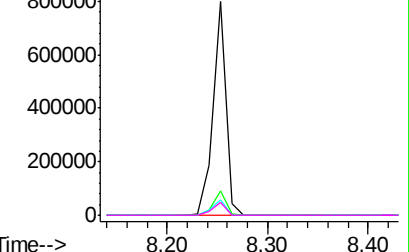
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 72.15 ng

RT: 7.53 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

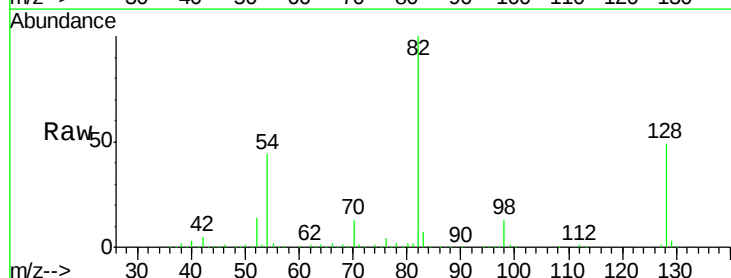
Tgt Ion: 82 Resp: 958454

Ion Ratio Lower Upper

82 100

128 48.8 34.5 51.7

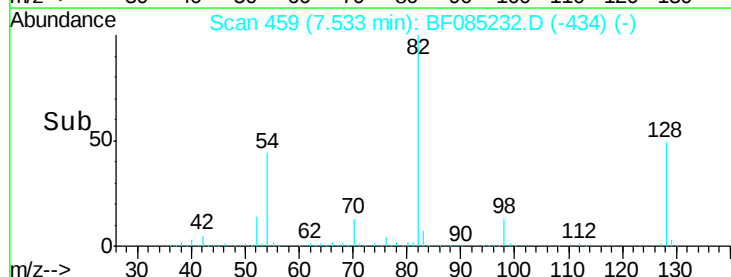
54 44.1 39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

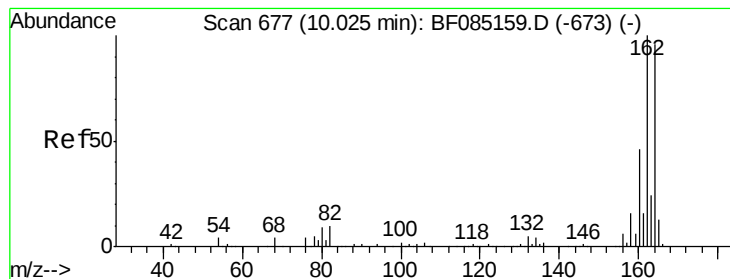
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Instrument :

BNA_F

ClientSampleId :

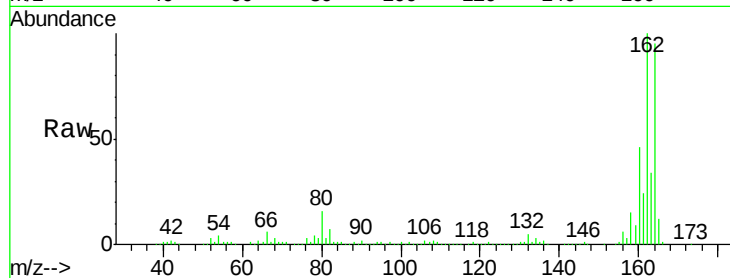
Tgt Ion:164 Resp: 316389

Ion Ratio Lower Upper

164 100

162 105.0 83.3 124.9

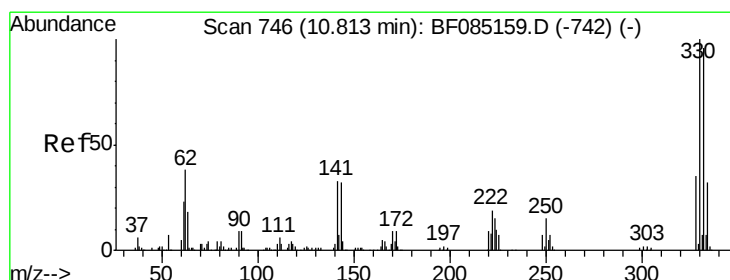
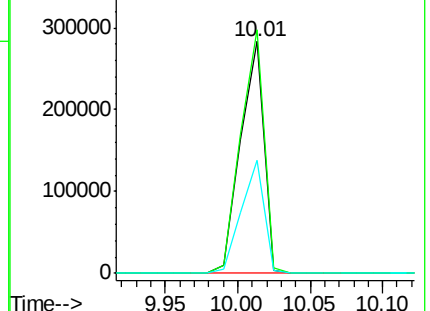
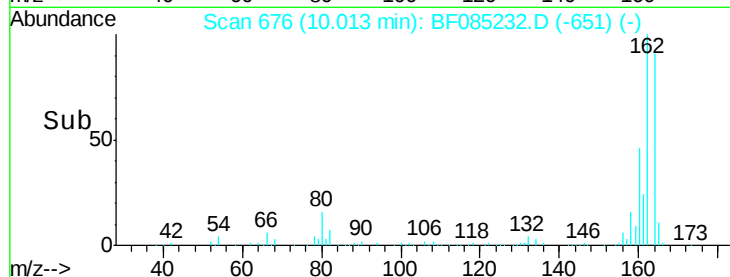
160 48.5 37.9 56.9



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: 124.71 ng

RT: 10.80 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

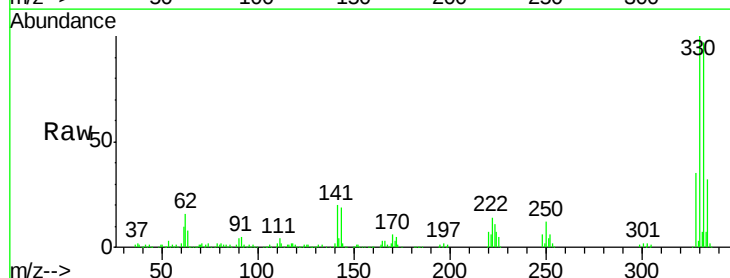
Tgt Ion:330 Resp: 337610

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

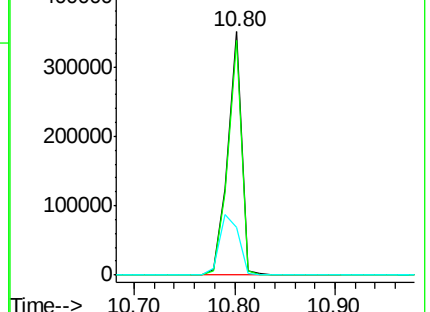
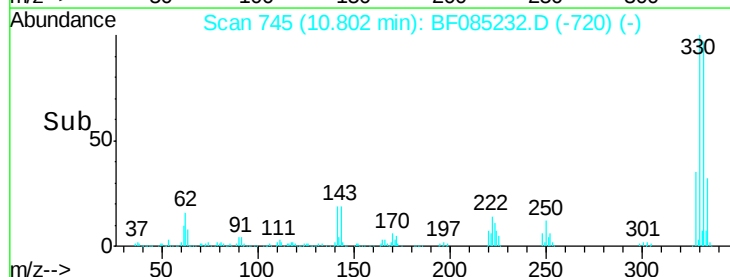
141 34.4 35.0 52.6#

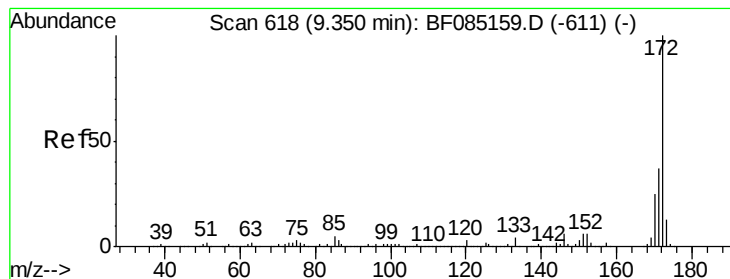


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 63.76 ng

RT: 9.33 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Instrument :

BNA_F

ClientSampleId :

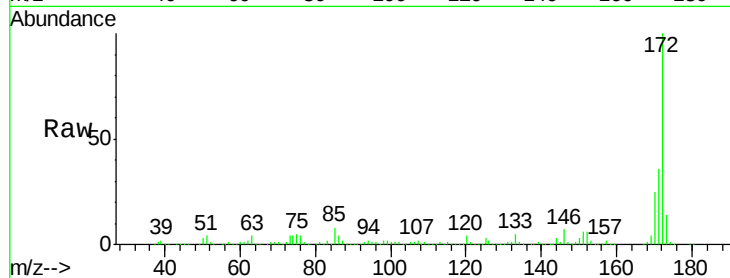
Tgt Ion:172 Resp: 1326369

Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

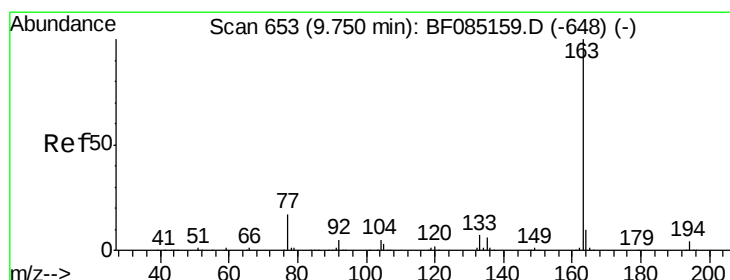
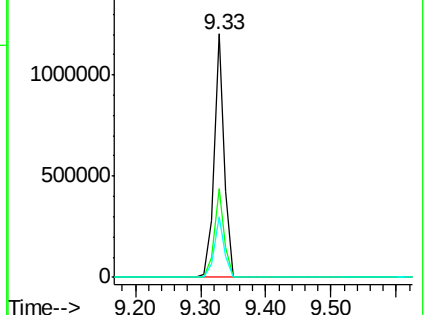
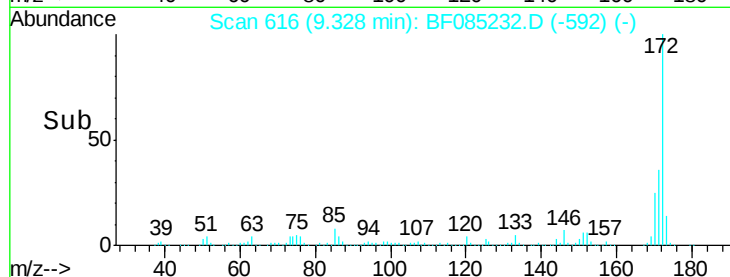
170 24.6 20.0 30.0



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: 12.24 ng

RT: 9.72 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

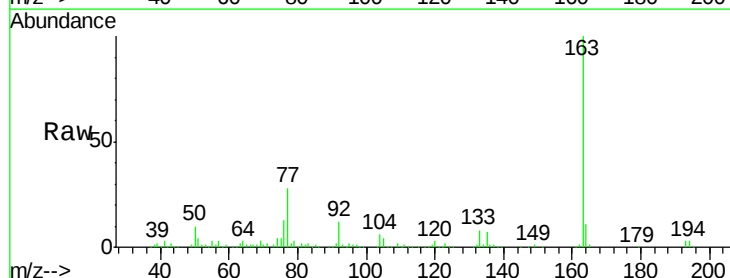
Tgt Ion:163 Resp: 297215

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

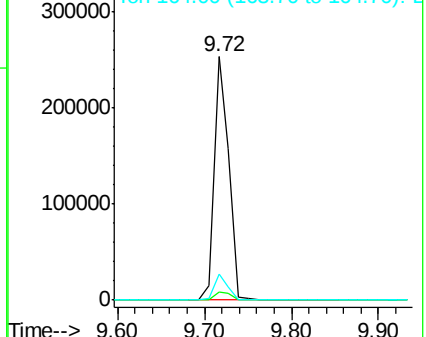
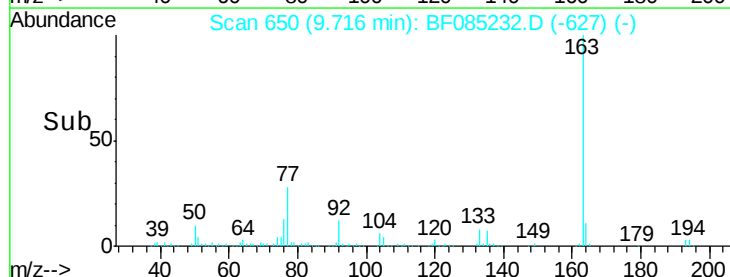
164 10.7 8.2 12.4

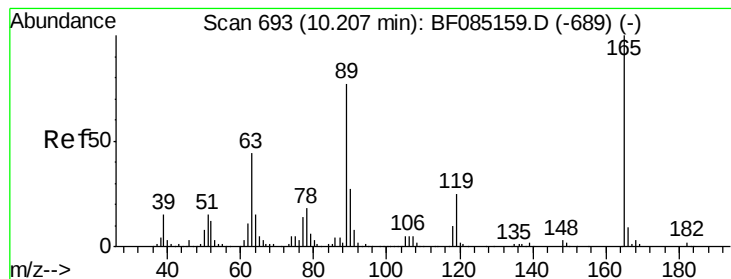


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.19 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165 Resp: 42173

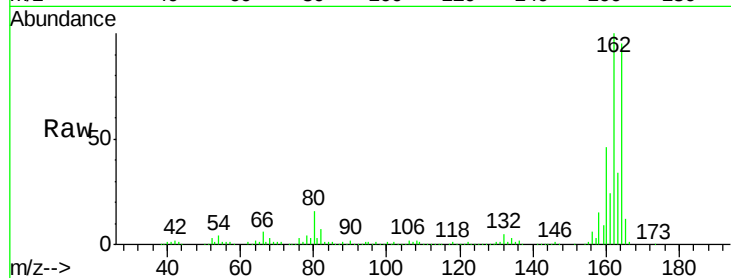
Ion Ratio Lower Upper

165 100

63 1.7 35.4 53.0#

89 2.1 61.9 92.9#

182 0.0 1.9 2.9#

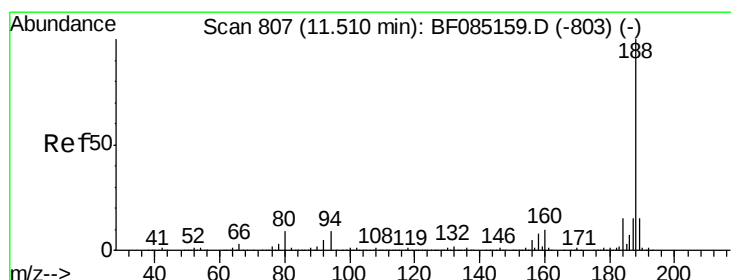
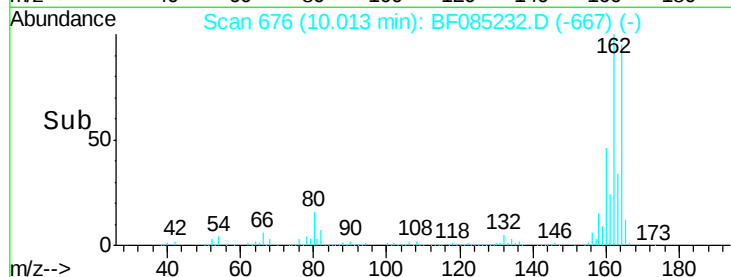
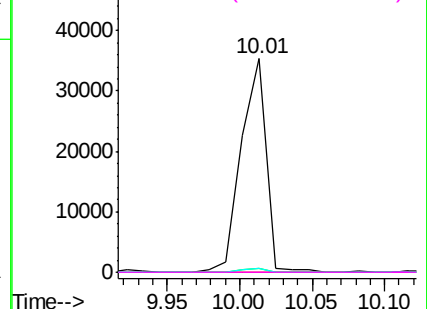


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

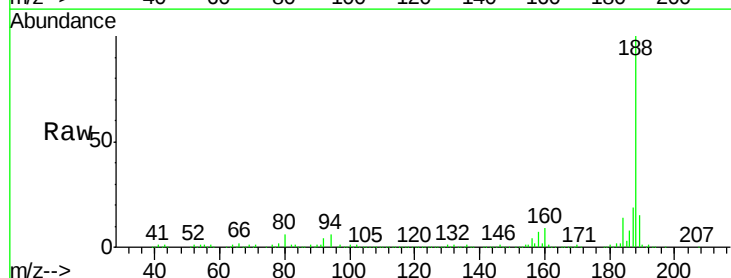
Tgt Ion:188 Resp: 571105

Ion Ratio Lower Upper

188 100

94 6.4 7.0 10.6#

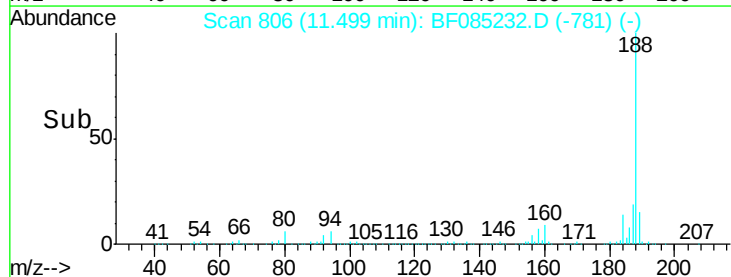
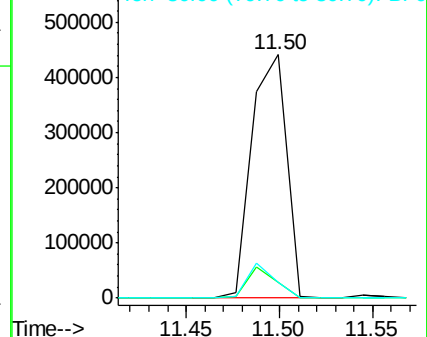
80 6.3 7.4 11.0#

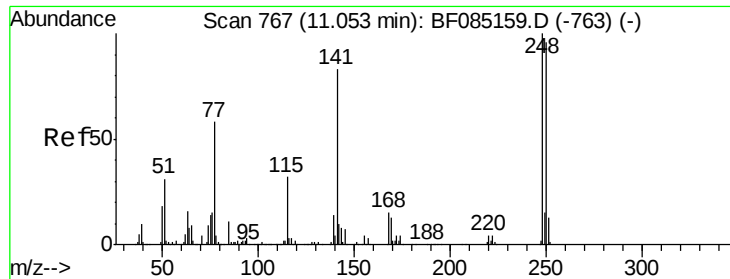


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

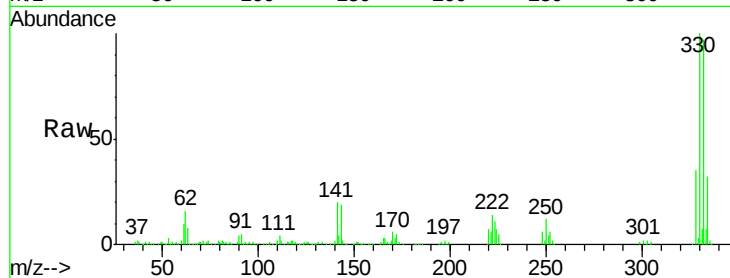




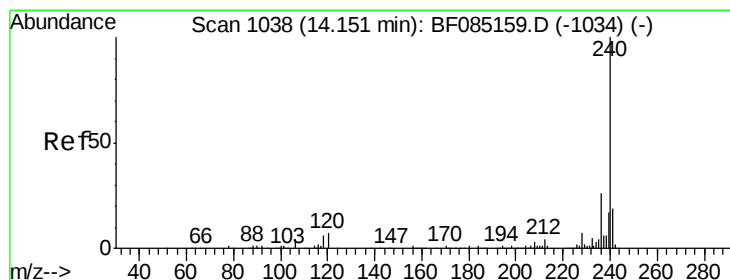
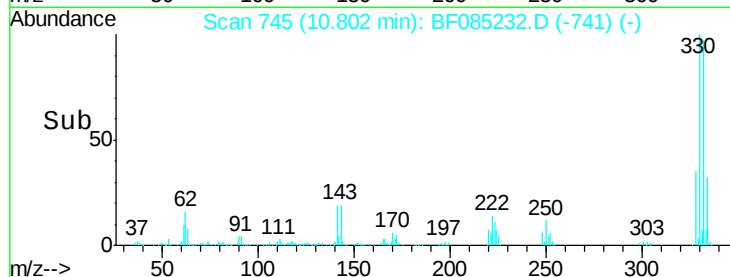
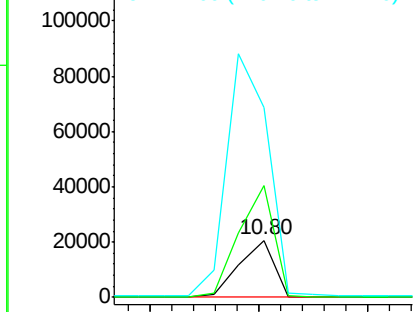
#66
 4-Bromophenyl-phenylether
 Concen: 4.17 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.25 min
 Lab File: BF085232.D
 Acq: 5 Mar 2016 4:58

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:248 Resp: 23115
 Ion Ratio Lower Upper
 248 100
 250 196.3 77.1 115.7#
 141 332.5 66.2 99.2#

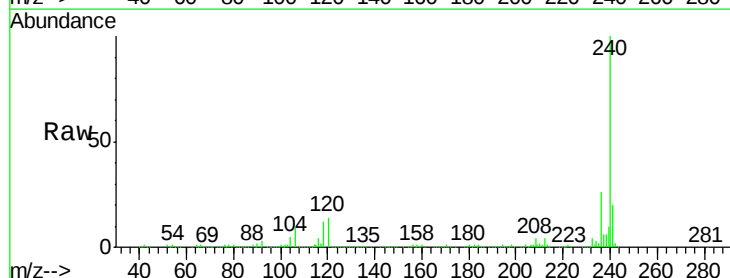


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

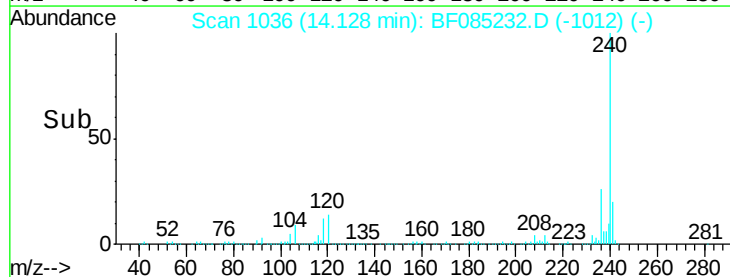
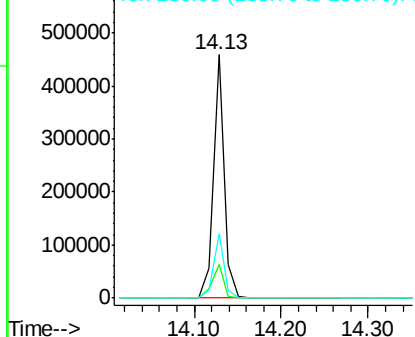


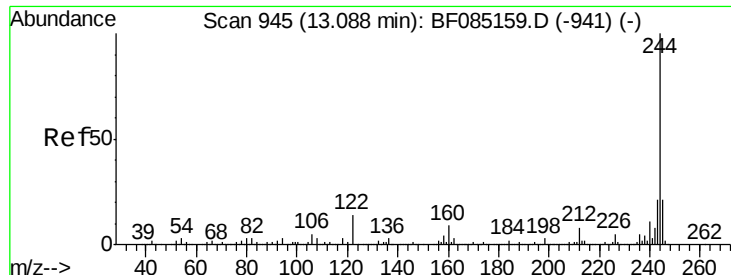
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.13 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BF085232.D
 Acq: 5 Mar 2016 4:58

Tgt Ion:240 Resp: 404947
 Ion Ratio Lower Upper
 240 100
 120 13.7 5.3 7.9#
 236 26.5 20.7 31.1



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

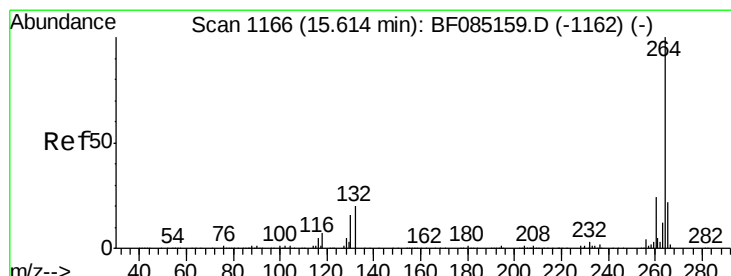
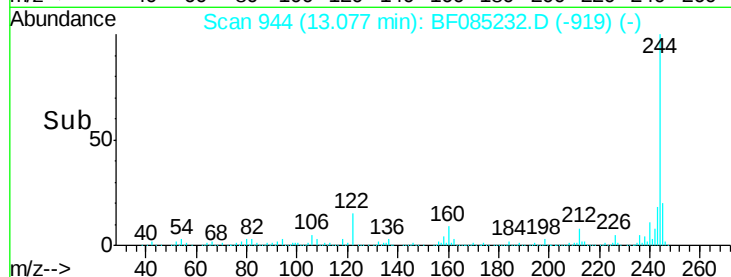
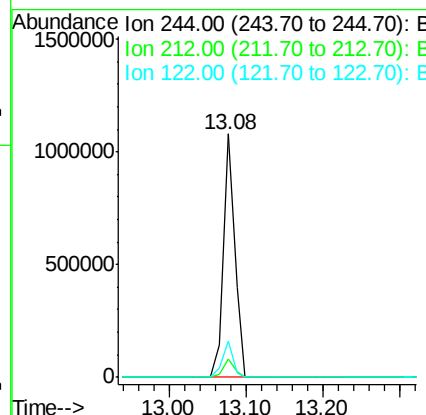
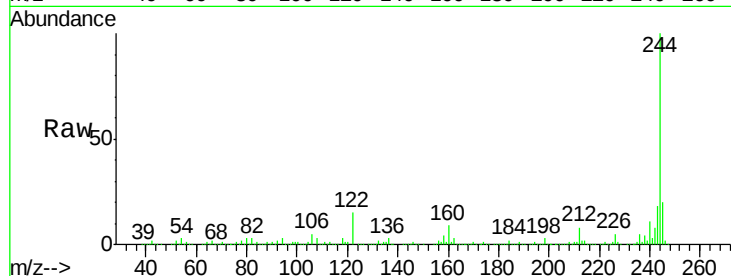




#78
 Terphenyl-d14
 Concen: 64.20 ng
 RT: 13.08 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF085232.D
 Acq: 5 Mar 2016 4:58

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:244 Resp: 1119913
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 14.9 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.60 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF085232.D
 Acq: 5 Mar 2016 4:58

Tgt Ion:264 Resp: 277406
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.2 17.3 25.9

