

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 :

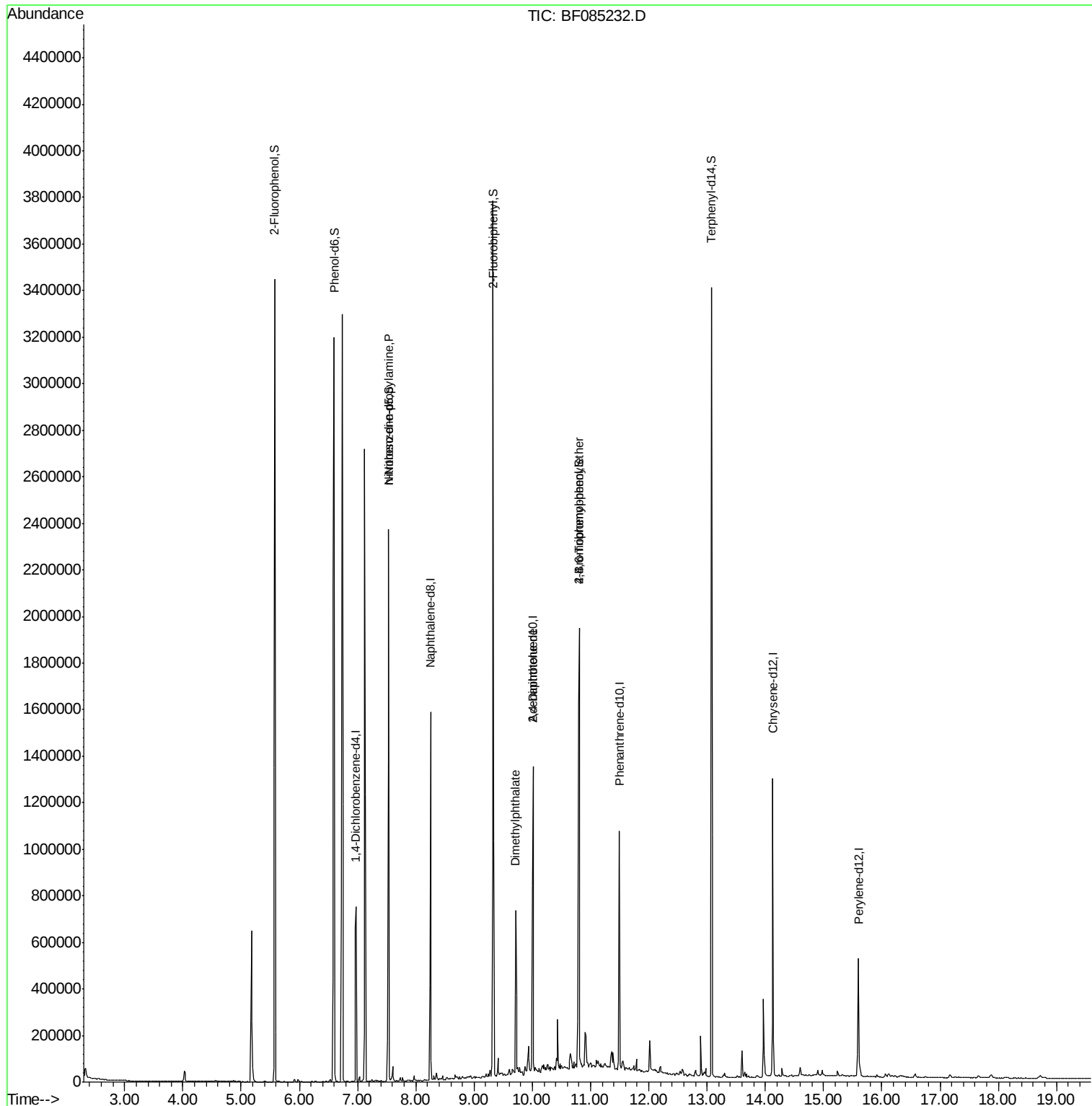
Quant Time: Mar 06 23:47:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

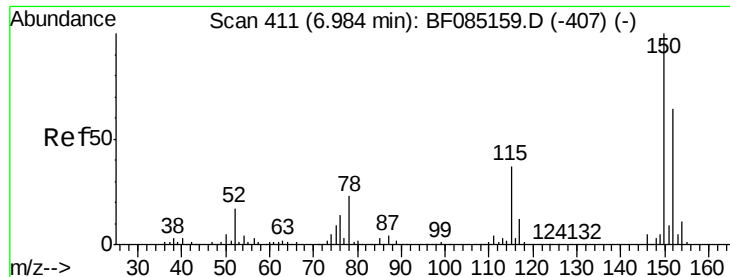
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	163816	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	710838	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	316389	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	571105	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	404947	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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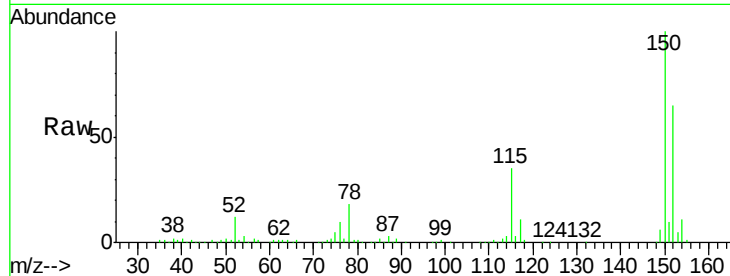


#1

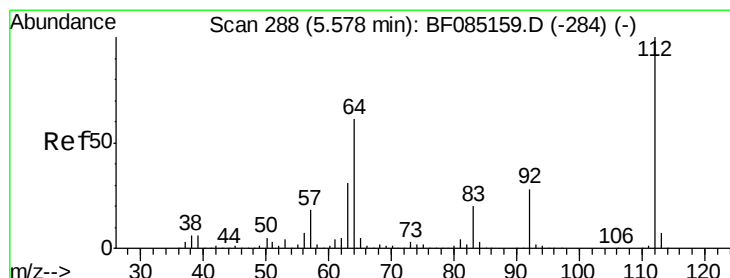
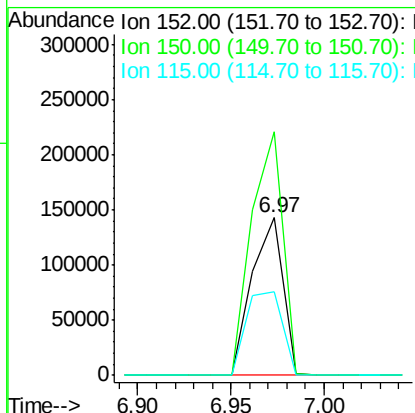
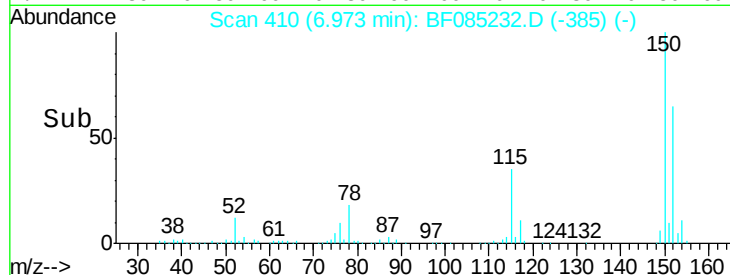
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085232.D
Acq: 5 Mar 2016 4:58

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



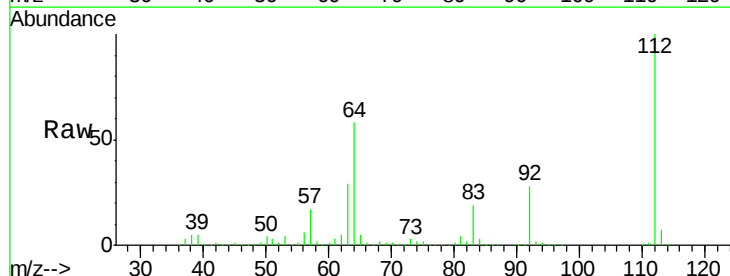
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



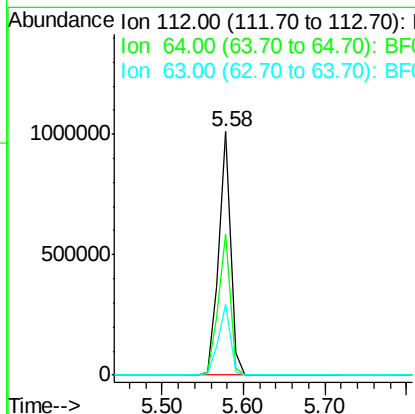
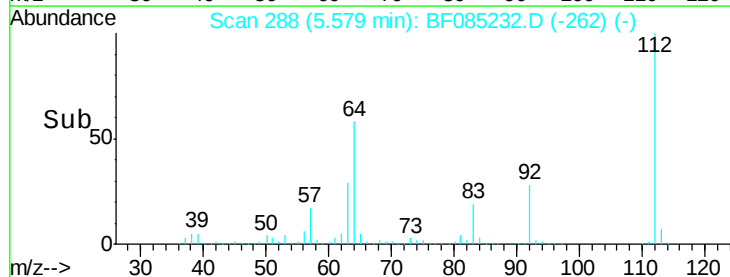
#5

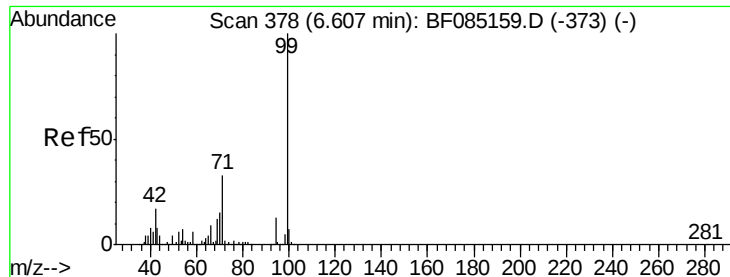
2-Fluorophenol
Concen: 104.59 ng
RT: 5.58 min Scan# 288
Delta R.T. 0.00 min
Lab File: BF085232.D
Acq: 5 Mar 2016 4:58

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 :

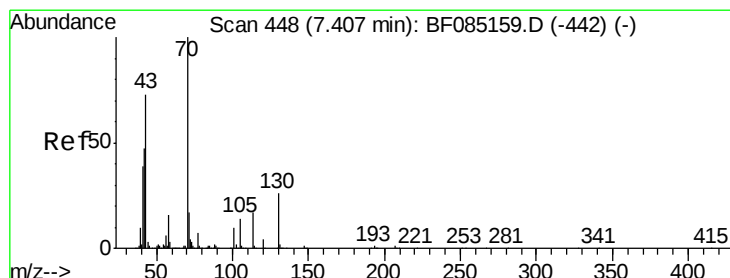
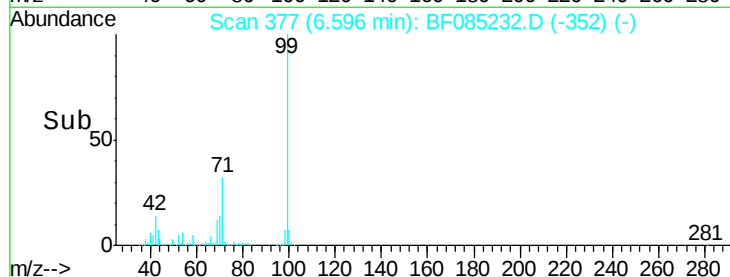
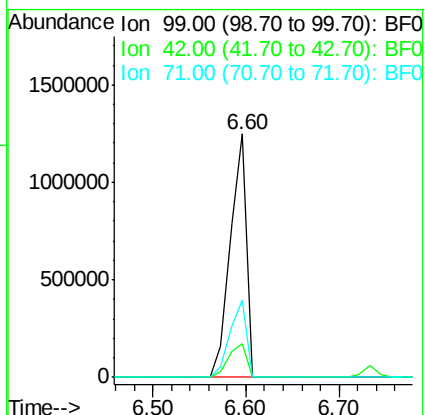
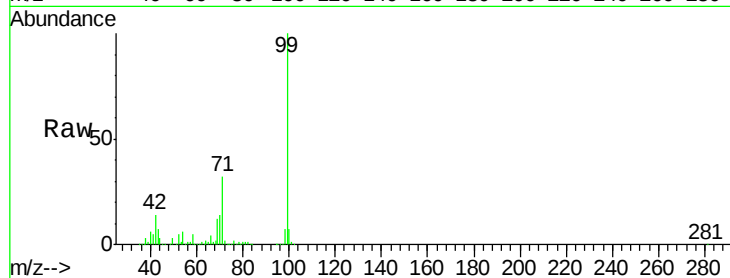
Tgt Ion: 99 Resp: 1514969

Ion Ratio Lower Upper

99 100

42 14.0 13.6 20.4

71 31.8 26.7 40.1



#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

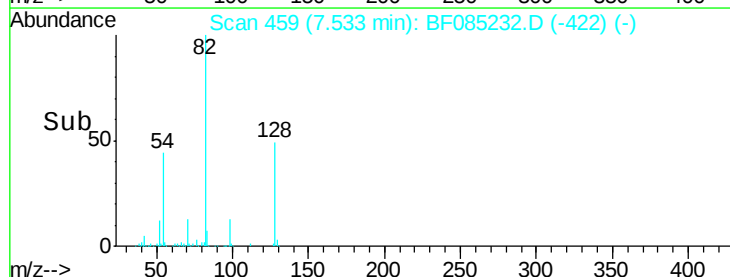
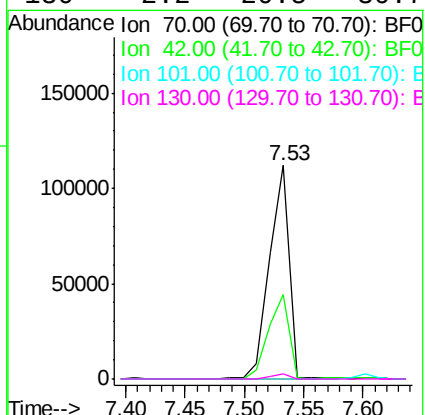
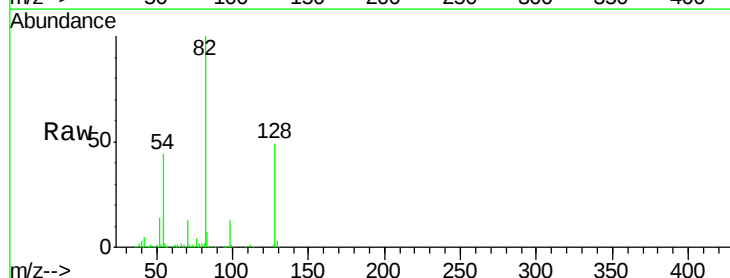
Ion Ratio Lower Upper

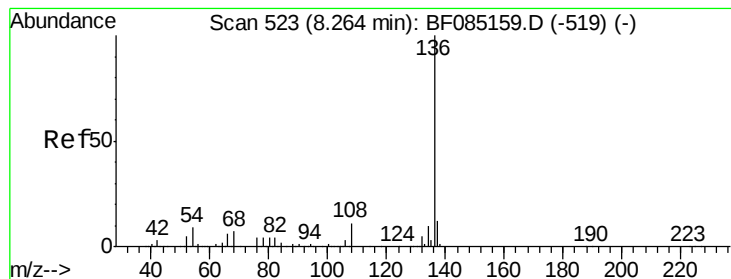
70 100

42 39.8 37.7 56.5

101 0.0 8.2 12.4#

130 2.2 20.5 30.7#





#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

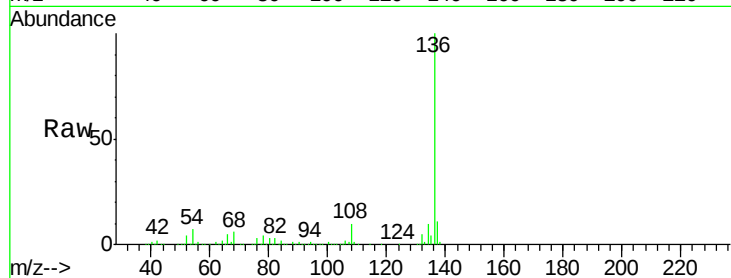
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.2 7.4 11.2#

68 6.0 6.0 9.0#

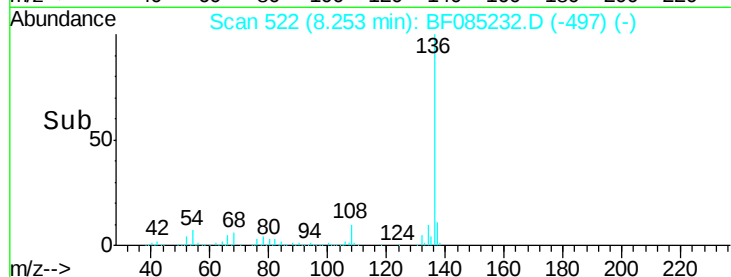


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

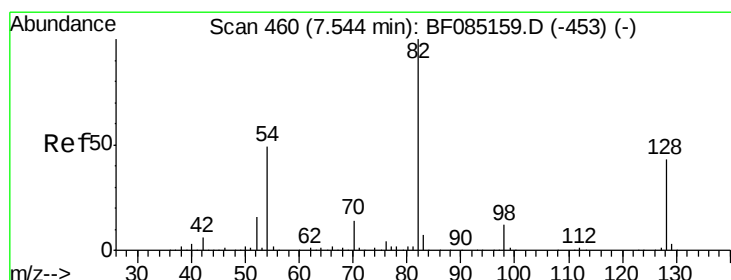
Ion 68.00 (67.70 to 68.70): BF0



Abundance

8.25

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

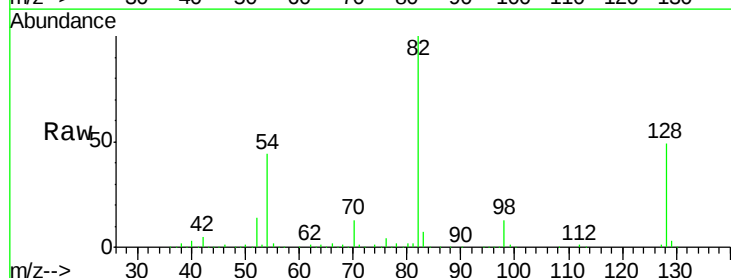
Tgt Ion: 82 Resp: 958454

Ion Ratio Lower Upper

82 100

128 48.8 34.5 51.7

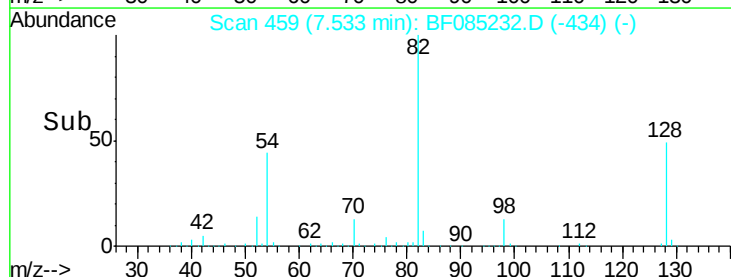
54 44.1 39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

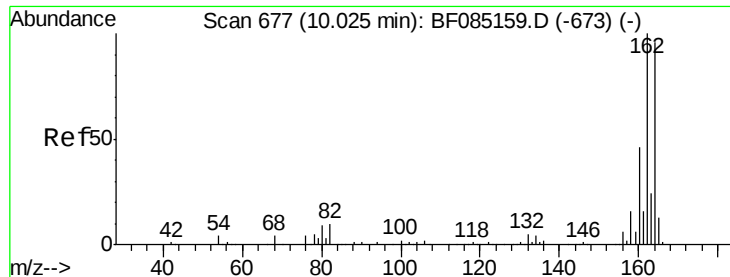
Ion 54.00 (53.70 to 54.70): BF0



Abundance

7.53

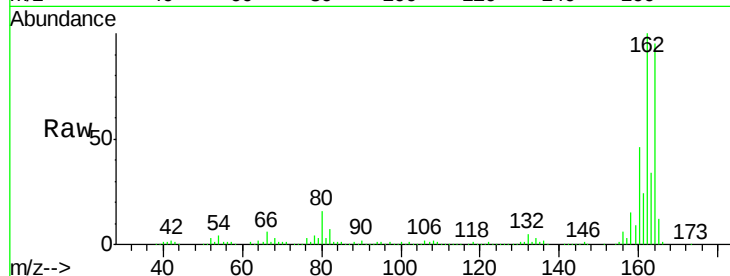
Time-->



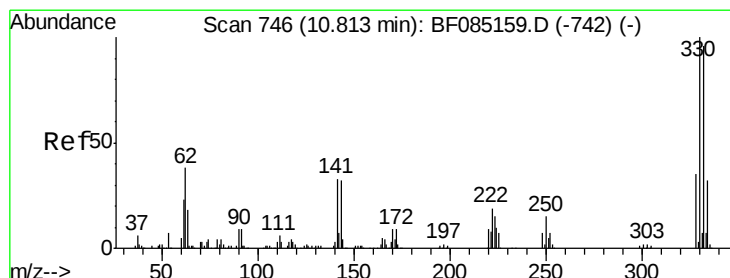
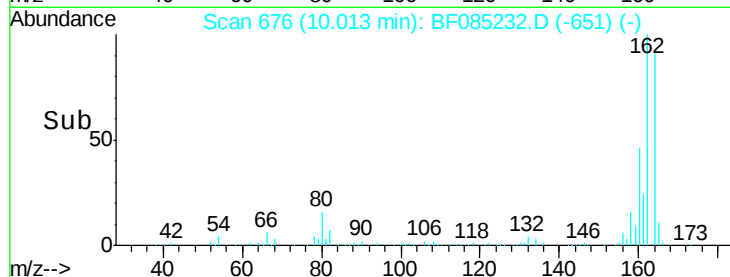
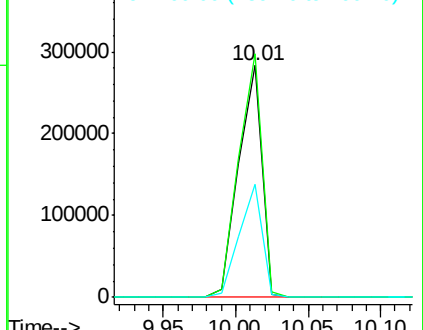
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085232.D
 Acq: 5 Mar 2016 4:58

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

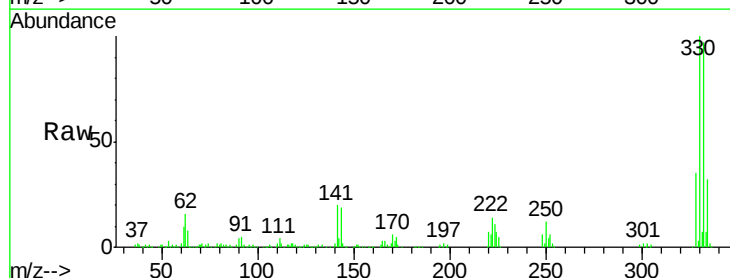


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

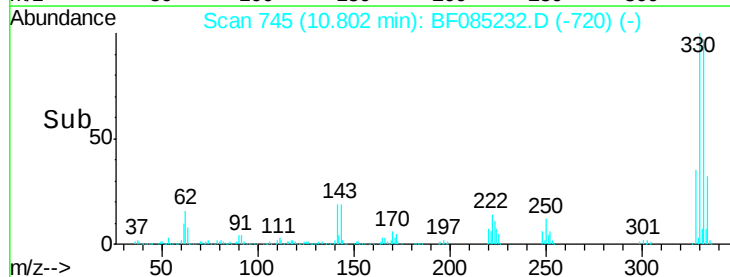
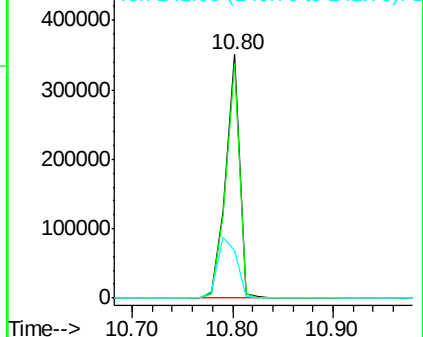


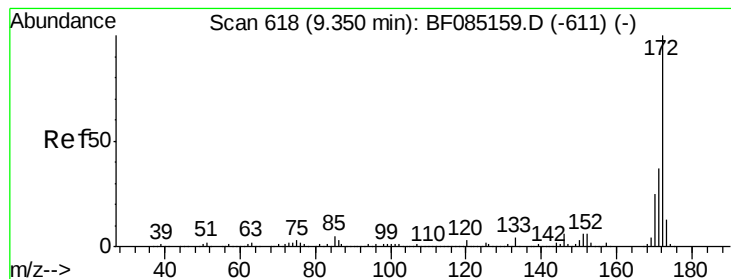
#41
 2,4,6-Tribromophenol
 Concen: 124.71 ng
 RT: 10.80 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF085232.D
 Acq: 5 Mar 2016 4:58

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 :

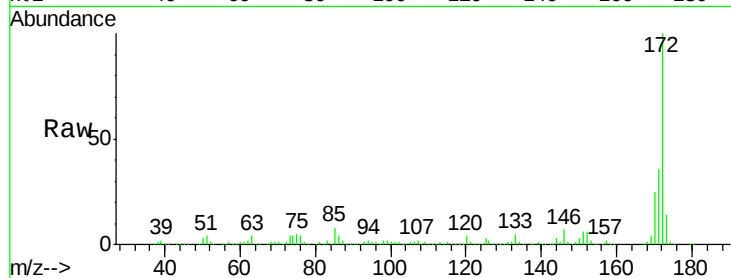
Tgt Ion:172 Resp: 1326369

Ion Ratio Lower Upper

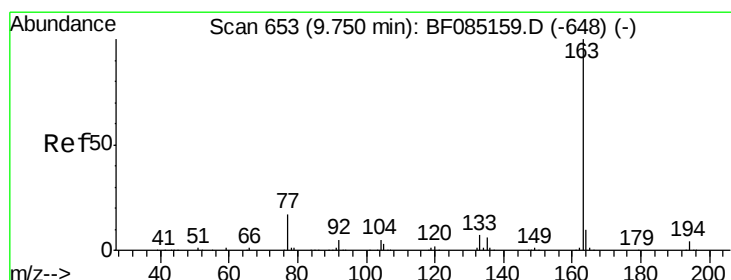
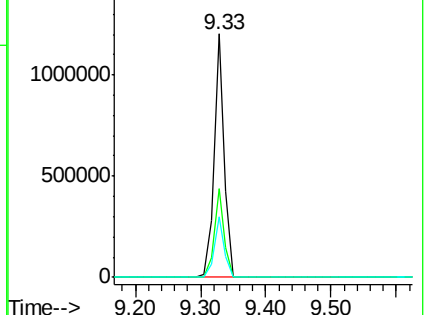
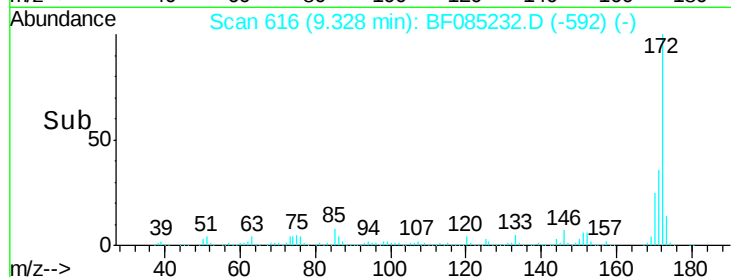
172 100

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

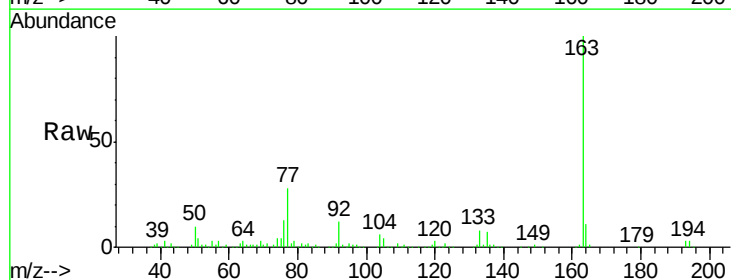
Tgt Ion:163 Resp: 297215

Ion Ratio Lower Upper

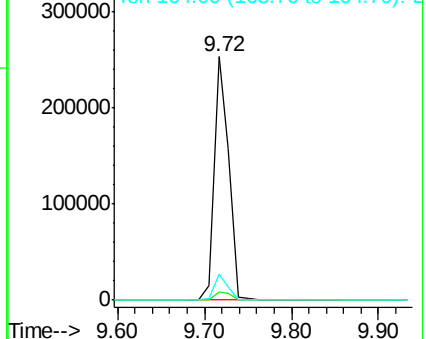
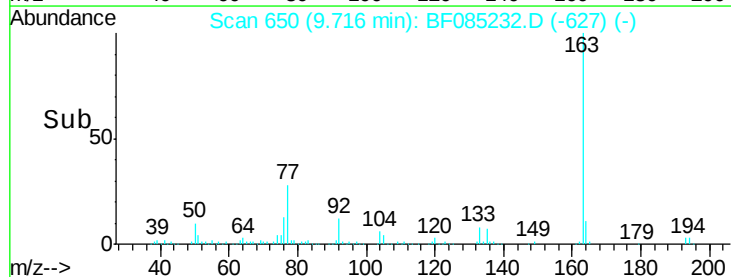
163 100

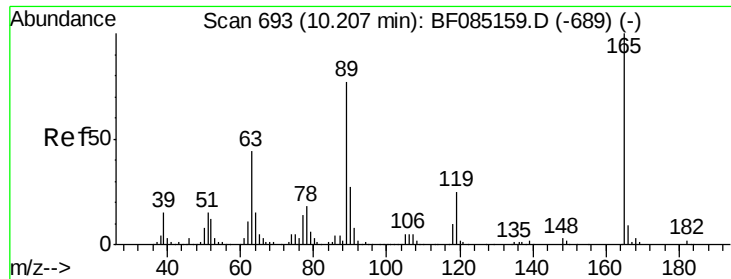
194 3.5 3.1 4.7

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

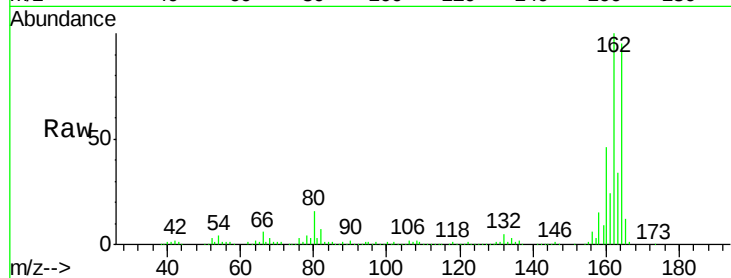




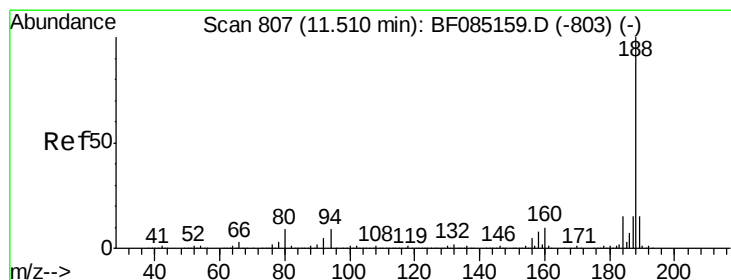
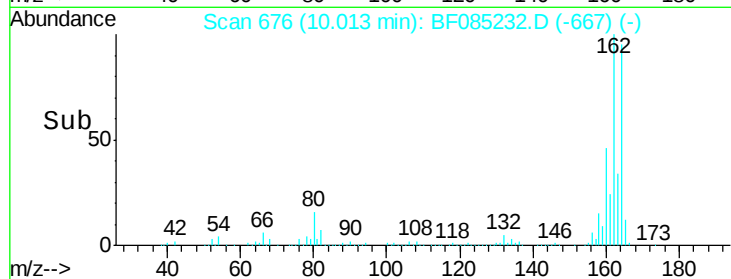
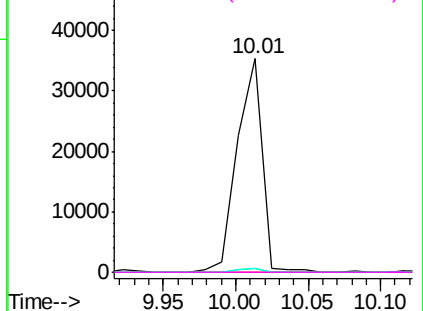
#56
2,4-Dinitrotoluene
Concen: 6.34 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.19 min
Lab File: BF085232.D
Acq: 5 Mar 2016 4:58

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#

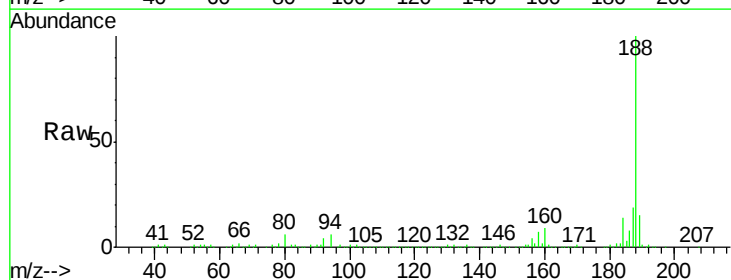


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

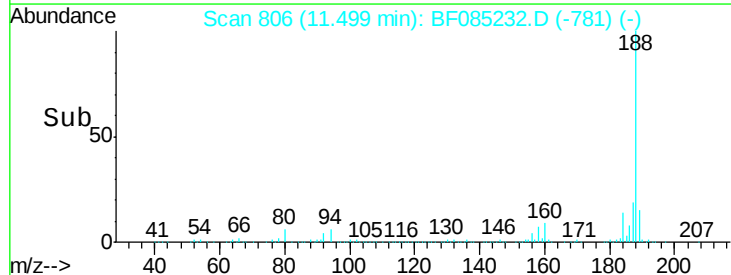
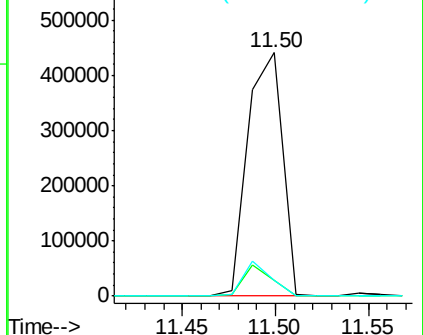


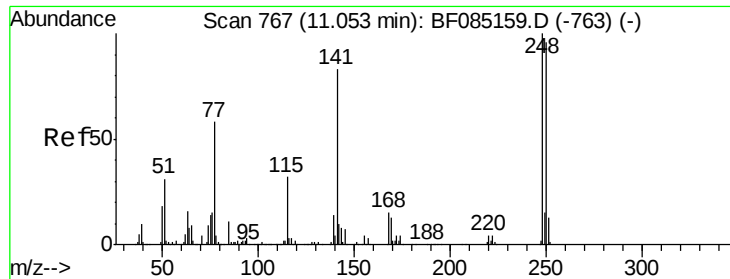
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085232.D
Acq: 5 Mar 2016 4:58

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

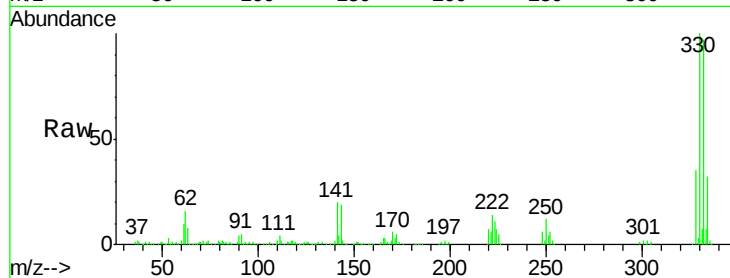




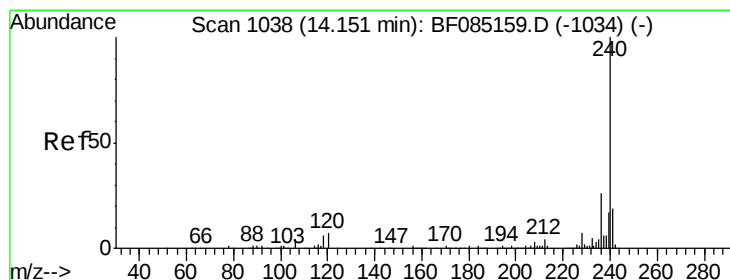
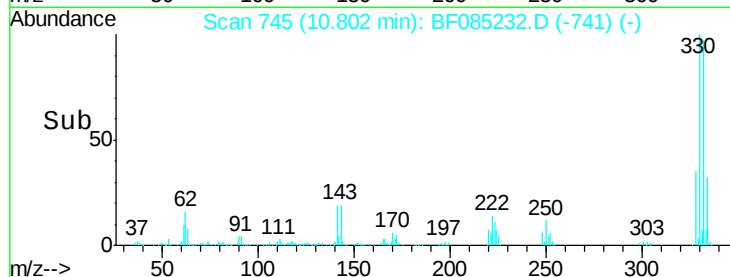
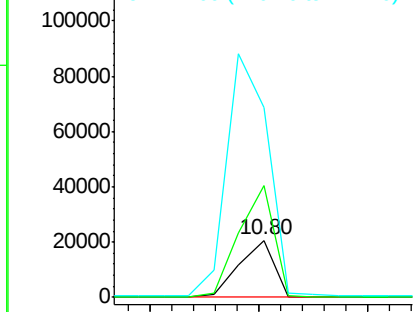
#66
4-Bromophenyl-phenylether
Concen: 4.17 ng
RT: 10.80 min Scan# 745
Delta R.T. -0.25 min
Lab File: BF085232.D
Acq: 5 Mar 2016 4:58

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#

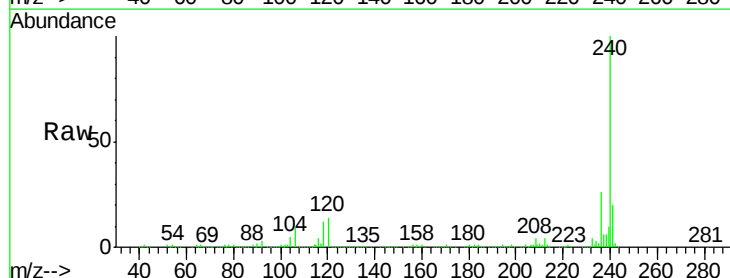


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

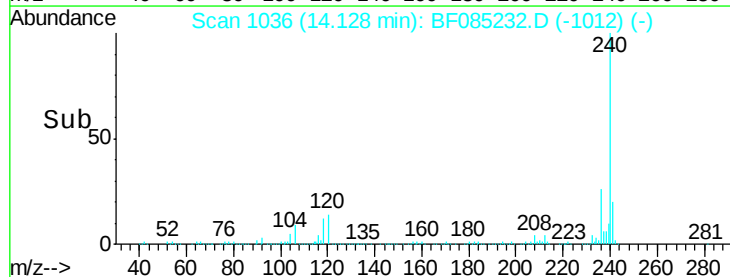
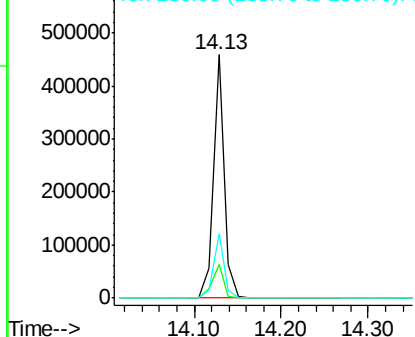


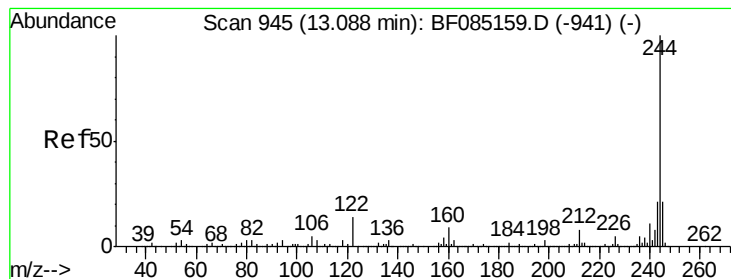
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF085232.D
Acq: 5 Mar 2016 4:58

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 :

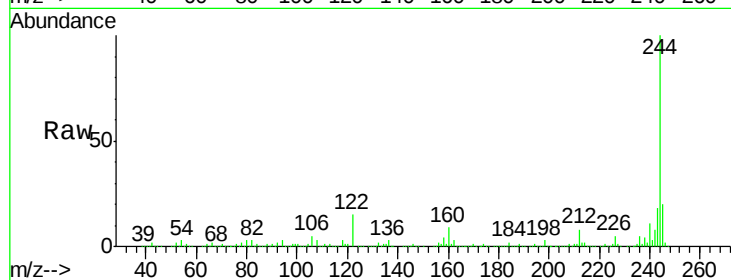
Tgt Ion:244 Resp: 1119913

Ion Ratio Lower Upper

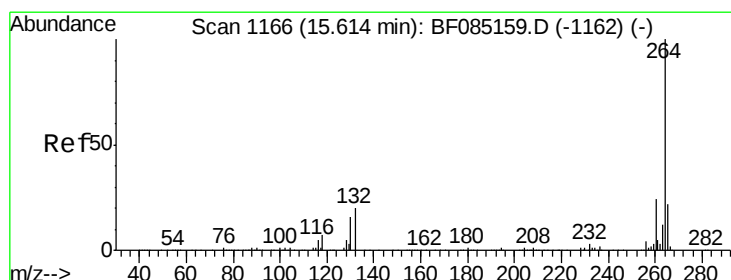
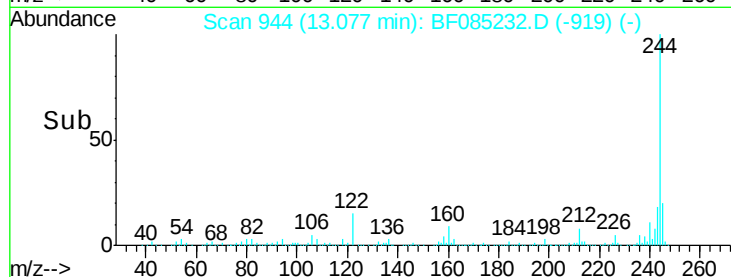
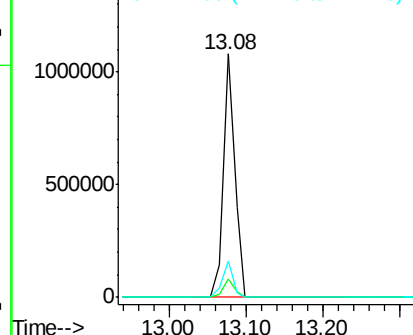
244 100

212 7.7 6.4 9.6

122 14.9 11.4 17.2



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: 15.60 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF085232.D

Acq: 5 Mar 2016 4:58

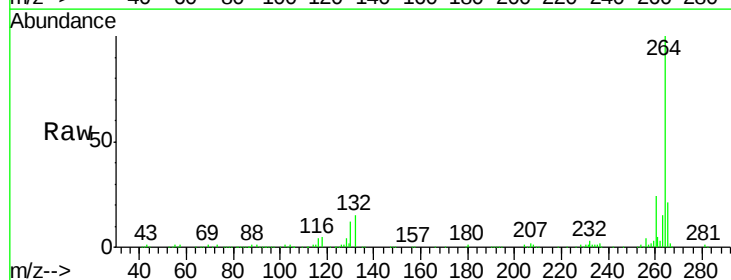
Tgt Ion:264 Resp: 277406

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.2 17.3 25.9



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

