

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040216\
 Data File : BF085994.D
 Acq On : 2 Apr 2016 6:54
 Operator : UM/SJ
 Sample : H2079-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-EB-3

Quant Time: Apr 04 00:59:26 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

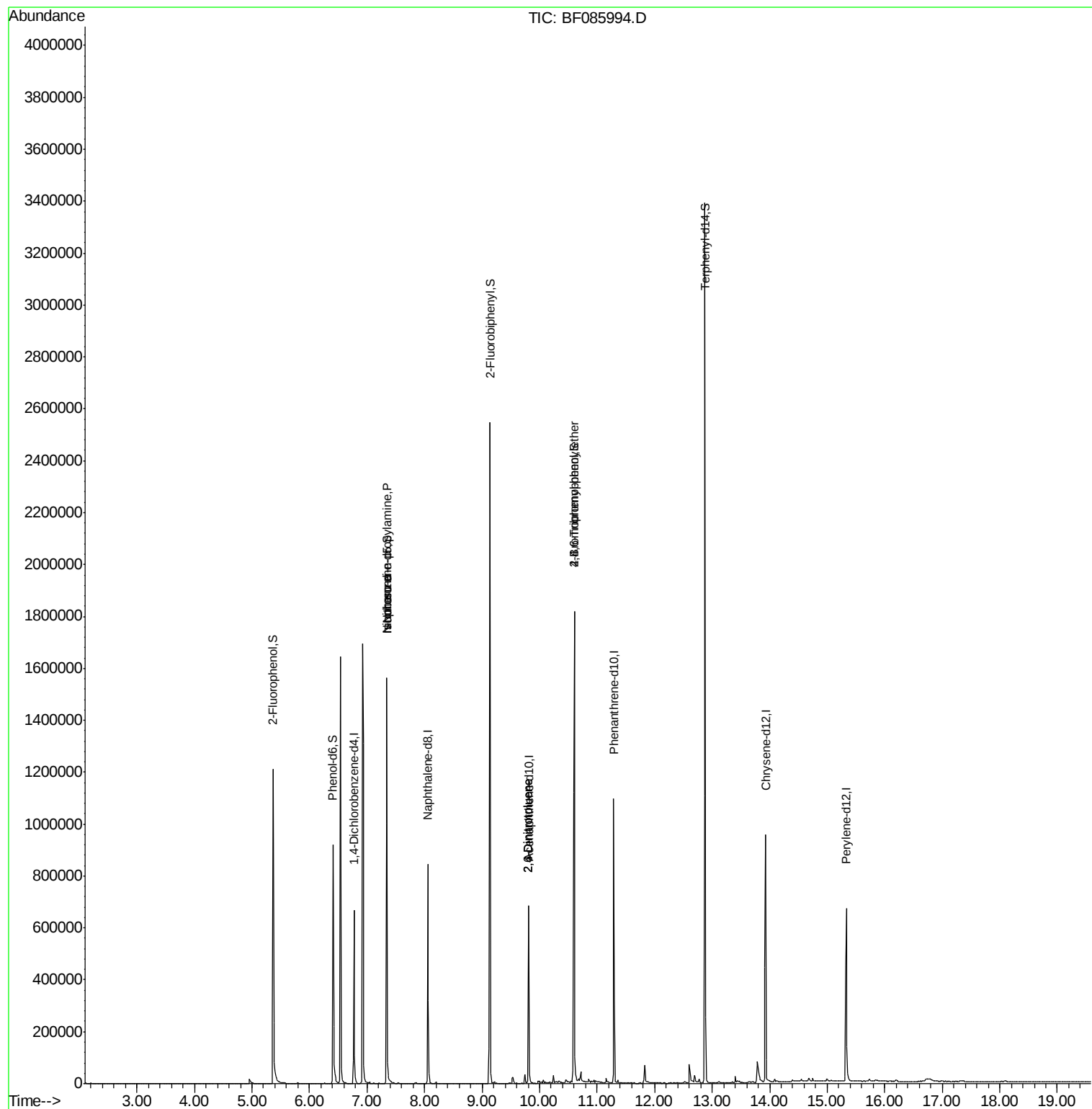
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	106741	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	430745	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	197819	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	402647	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	373618	20.00	ng	0.00
86) Perylene-d12	15.33	264	327044	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	419179	67.13	ng	0.00
7) Phenol-d6	6.41	99	358015	45.14	ng	-0.01
23) Nitrobenzene-d5	7.34	82	685029	93.79	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	298763	160.91	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1172460	98.55	ng	0.00
78) Terphenyl-d14	12.88	244	1080906	68.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	87072	17.71	ng	# 74
25) Isophorone	7.34	82	683620	47.41	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	24985	8.05	ng	# 19
56) 2,4-Dinitrotoluene	9.80	165	24985	6.37	ng	# 37
66) 4-Bromophenyl-phenylether	10.60	248	18611	4.53	ng	# 1

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

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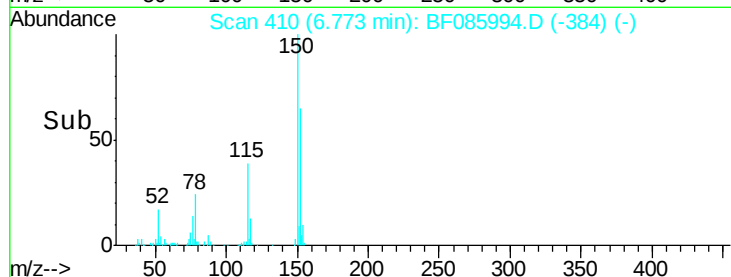
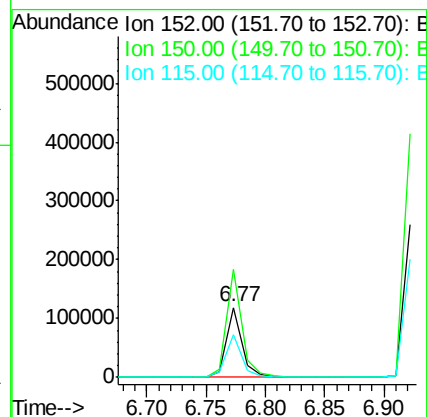
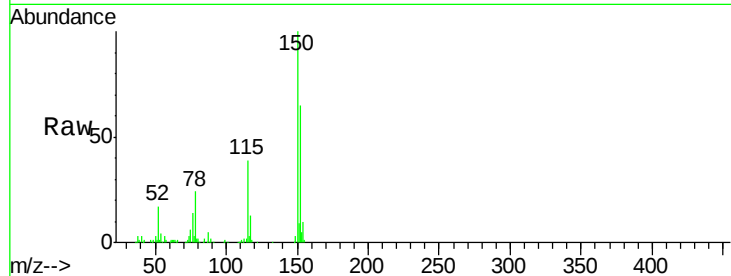


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF085994.D
Acq: 2 Apr 2016 6:54

Instrument :
BNA_F
ClientSampleId :
DB-EB-3

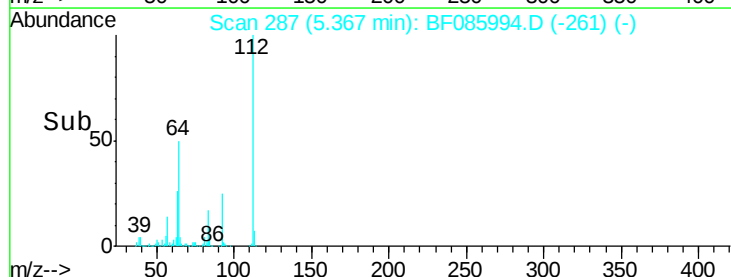
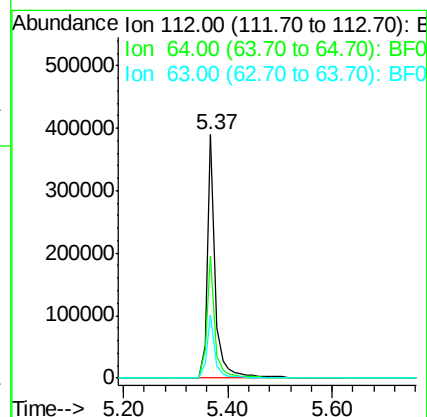
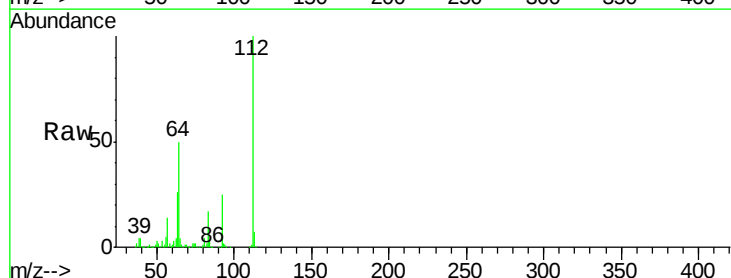
Tgt Ion:152 Resp: 106741
Ion Ratio Lower Upper
152 100
150 153.9 124.2 186.2
115 60.2 47.0 70.6



#5

2-Fluorophenol
Concen: 67.13 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF085994.D
Acq: 2 Apr 2016 6:54

Tgt Ion:112 Resp: 419179
Ion Ratio Lower Upper
112 100
64 50.1 39.9 59.9
63 25.8 20.2 30.2





#7

Phenol-d6

Concen: 45.14 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DB-EB-3

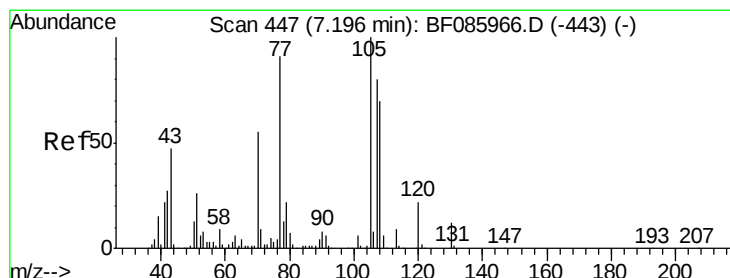
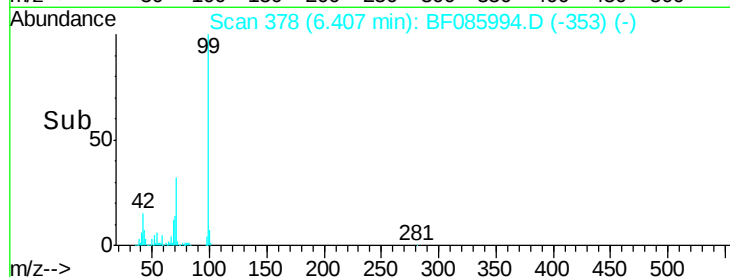
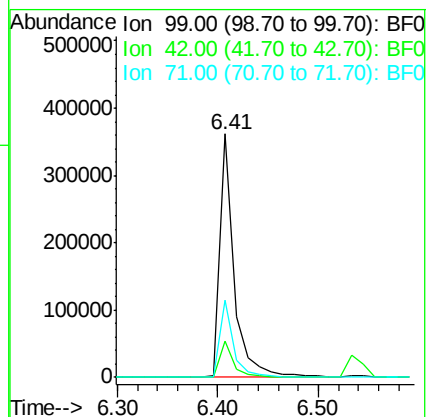
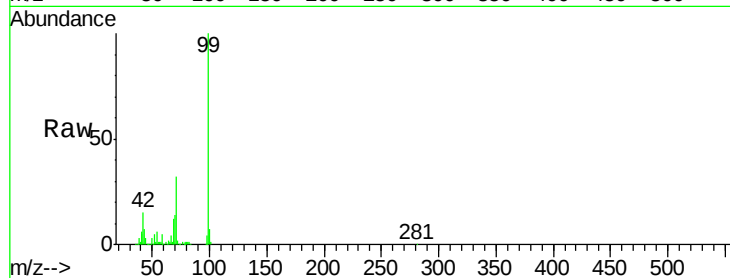
Tgt Ion: 99 Resp: 358015

Ion Ratio Lower Upper

99 100

42 14.9 11.1 16.7

71 31.9 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.71 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.15 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

Tgt Ion: 70 Resp: 87072

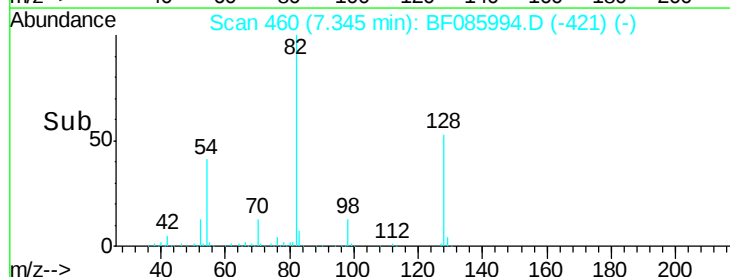
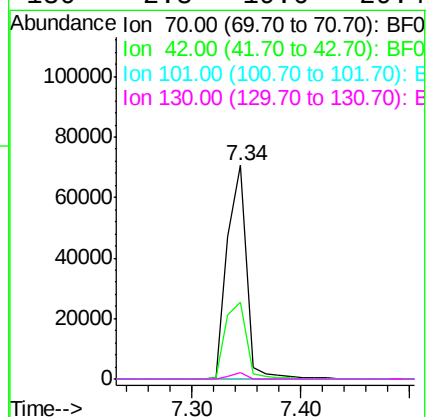
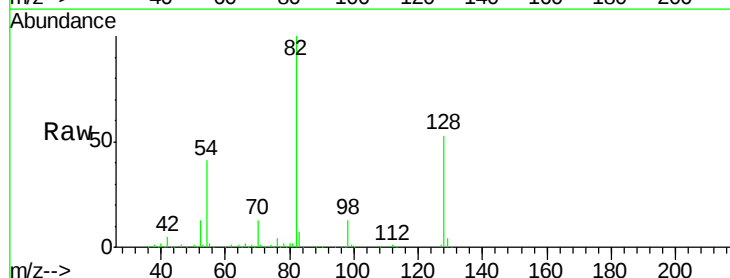
Ion Ratio Lower Upper

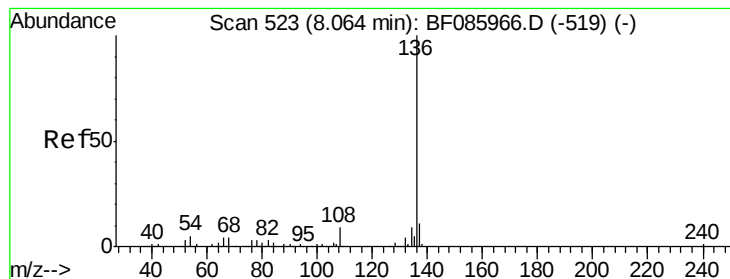
70 100

42 36.2 37.1 55.7#

101 0.0 8.6 12.8#

130 2.8 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DB-EB-3

Tgt Ion: 136 Resp: 430745

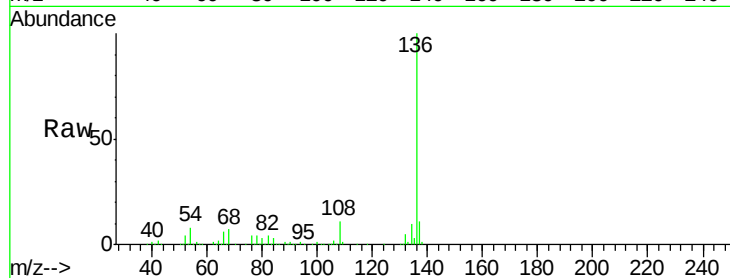
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.1 7.4 11.0

68 6.6 5.8 8.8

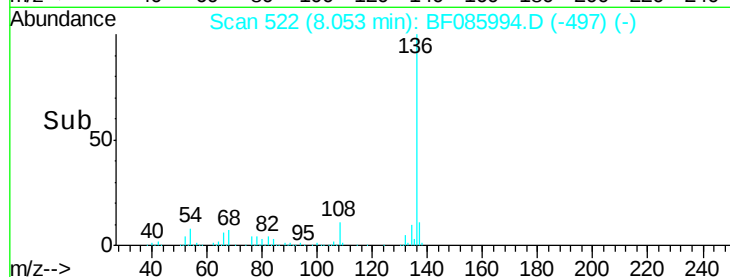


Abundance Ion 136.00 (135.70 to 136.70): E

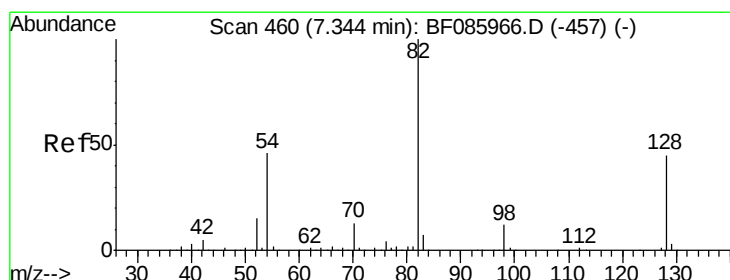
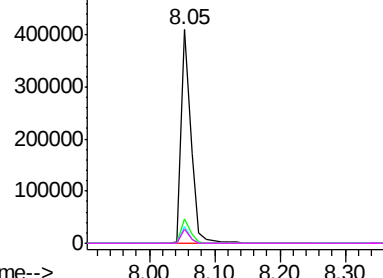
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 93.79 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

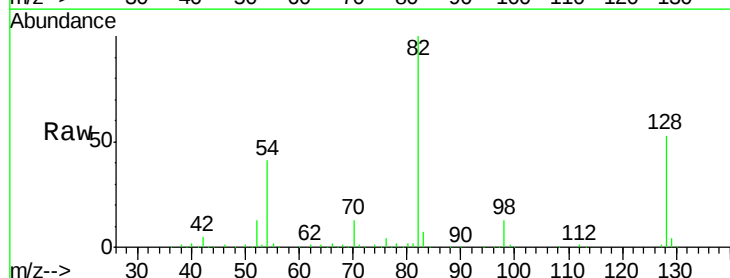
Tgt Ion: 82 Resp: 685029

Ion Ratio Lower Upper

82 100

128 52.8 41.8 62.8

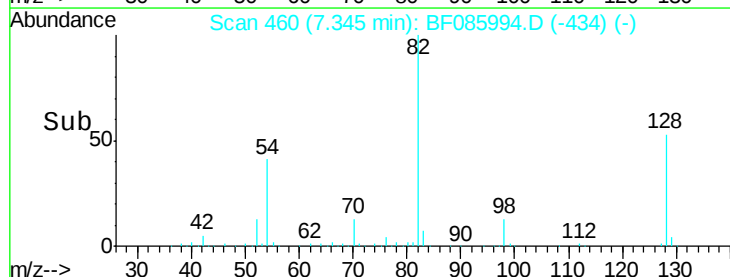
54 40.8 33.4 50.0



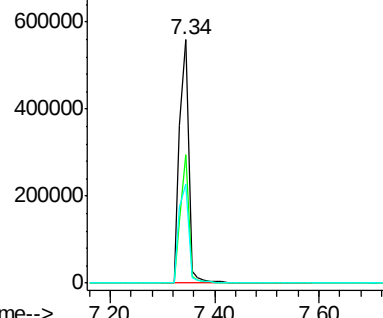
Abundance Ion 82.00 (81.70 to 82.70): BF0

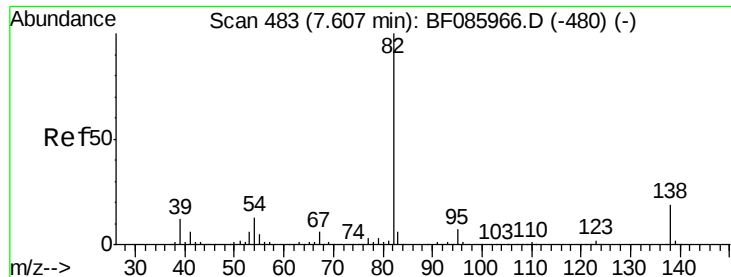
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 47.41 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DB-EB-3

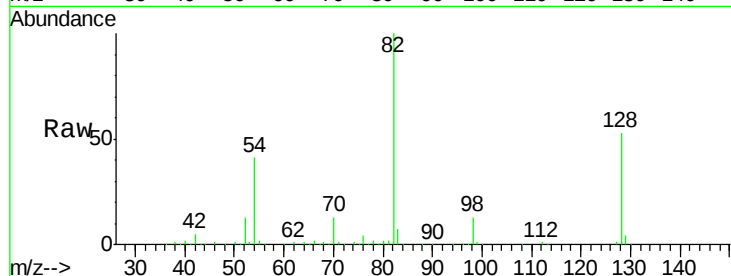
Tgt Ion: 82 Resp: 683620

Ion Ratio Lower Upper

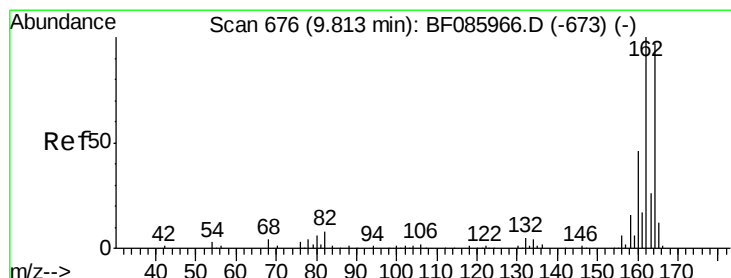
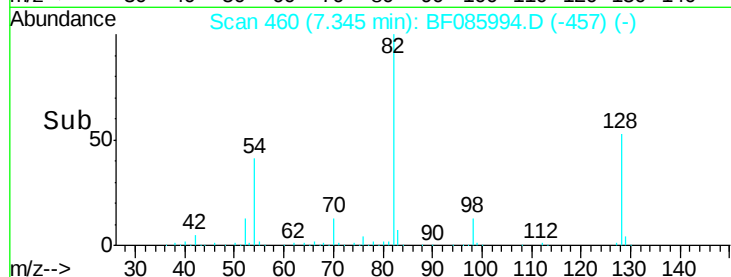
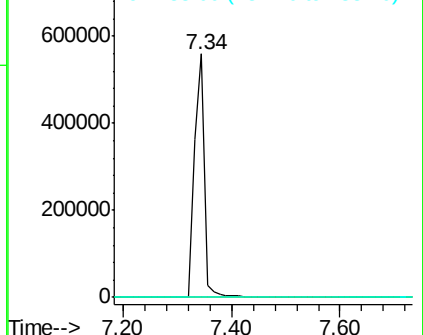
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

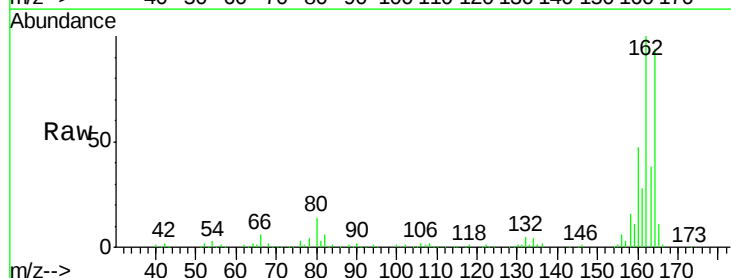
Tgt Ion: 164 Resp: 197819

Ion Ratio Lower Upper

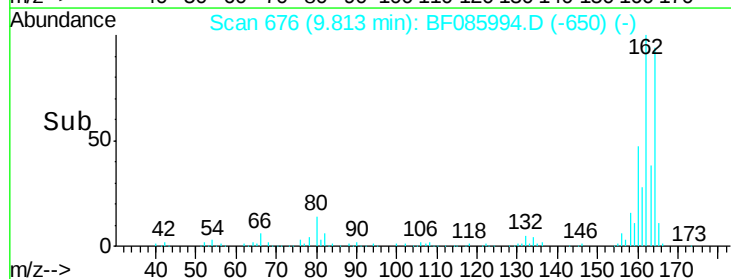
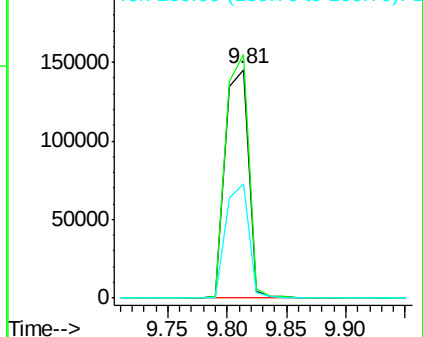
164 100

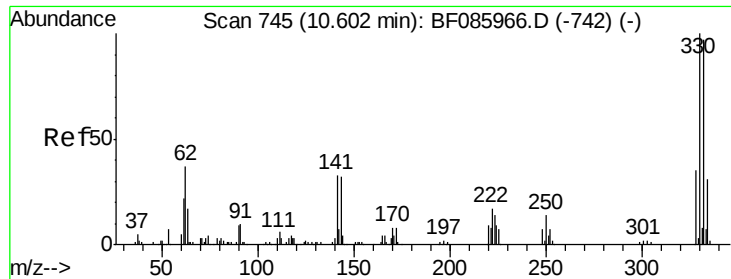
162 106.6 82.1 123.1

160 49.8 37.4 56.2



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

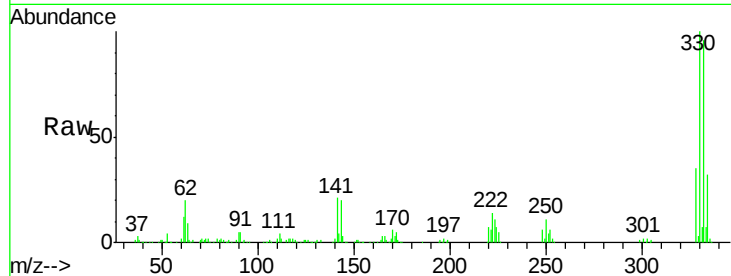




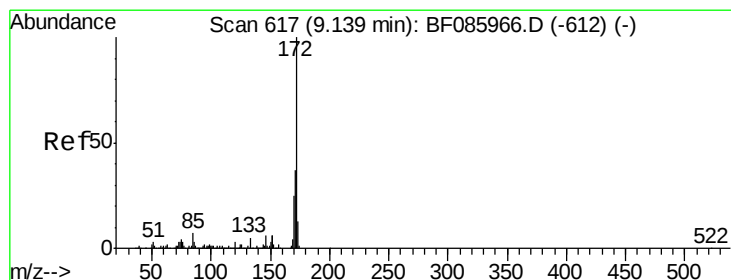
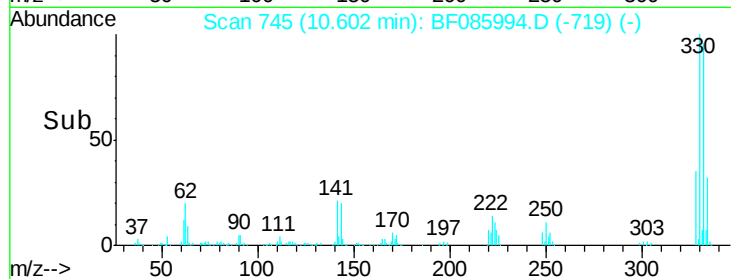
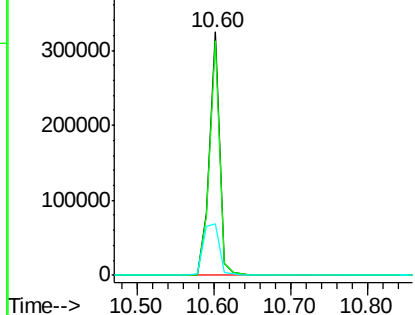
#41
 2,4,6-Tribromophenol
 Concen: 160.91 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085994.D
 Acq: 2 Apr 2016 6:54

Instrument :
 BNA_F
 ClientSampleId :
 DB-EB-3

Tgt Ion:330 Resp: 298763
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.2 117.2
 141 33.7 31.5 47.3

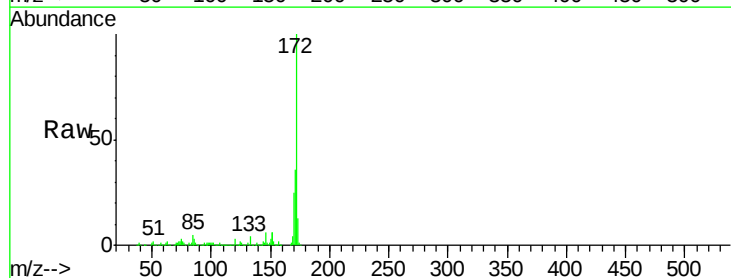


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

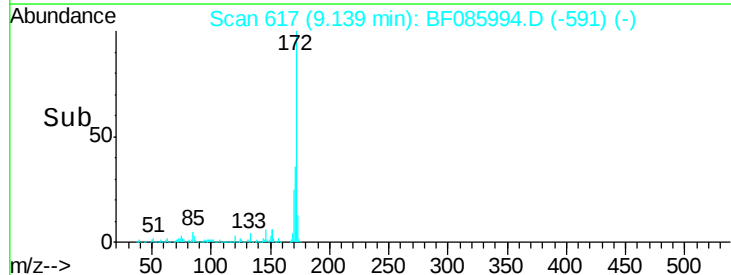
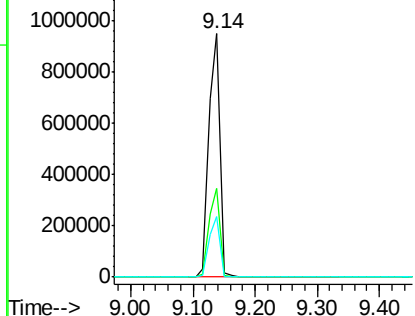


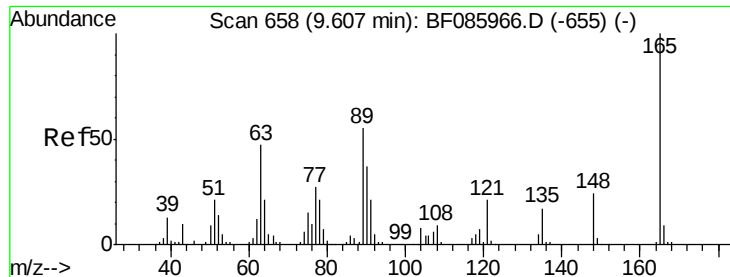
#44
 2-Fluorobiphenyl
 Concen: 98.55 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF085994.D
 Acq: 2 Apr 2016 6:54

Tgt Ion:172 Resp: 1172460
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.2
 170 24.7 19.8 29.6



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

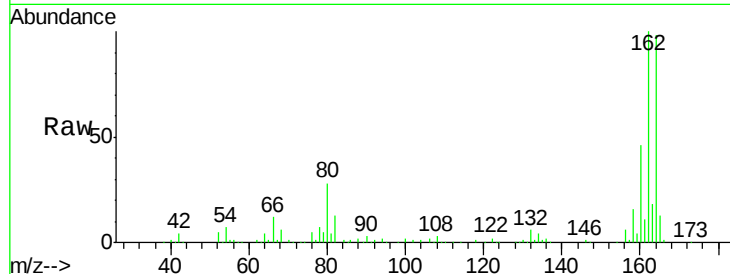




#50
 2,6-Dinitrotoluene
 Concen: 8.05 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF085994.D
 Acq: 2 Apr 2016 6:54

Instrument :
 BNA_F
 ClientSampleId :
 DB-EB-3

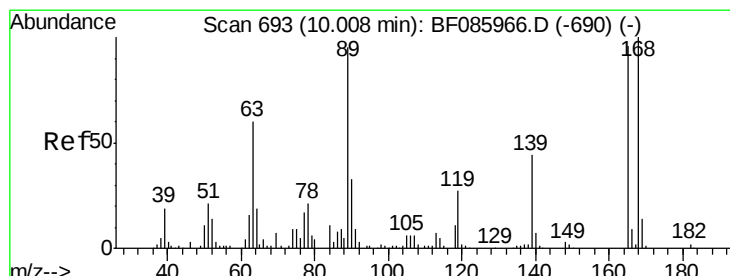
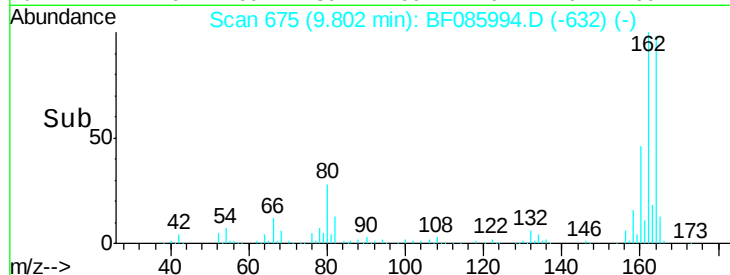
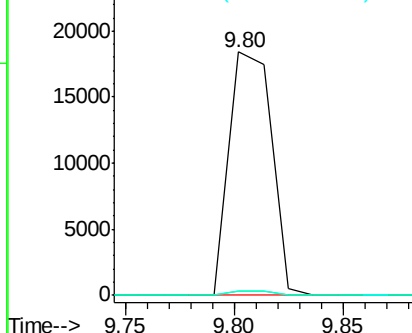
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	51.8	77.8#
89	1.8	53.7	80.5#



Abundance Ion 165.00 (164.70 to 165.70): E

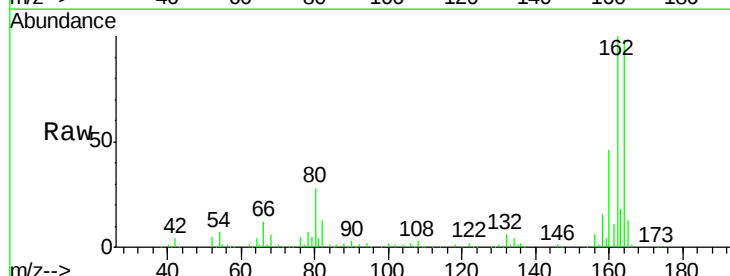
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF085994.D
 Acq: 2 Apr 2016 6:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	24.9	37.3#
89	1.8	41.0	61.6#
182	0.0	2.1	3.1#

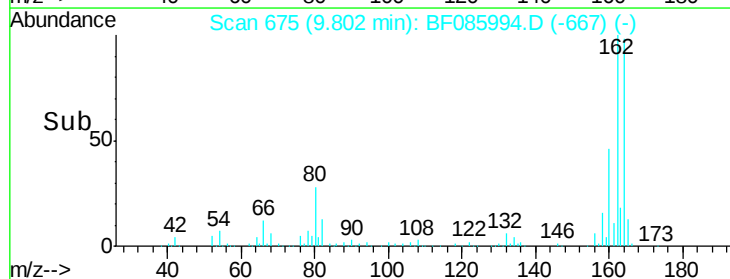
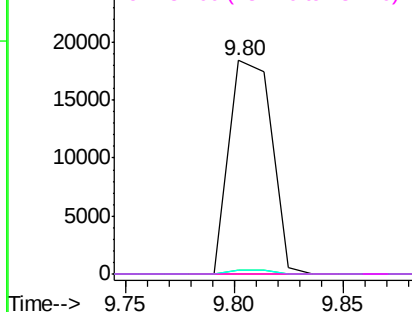


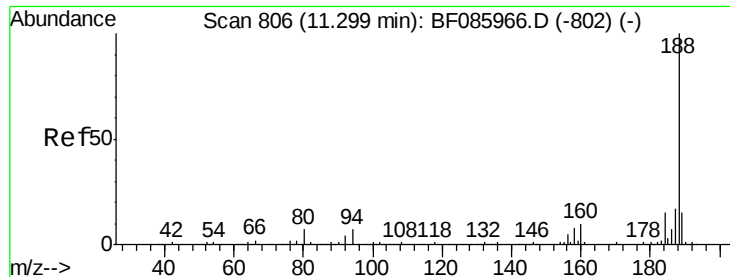
Abundance Ion 165.00 (164.70 to 165.70): E

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

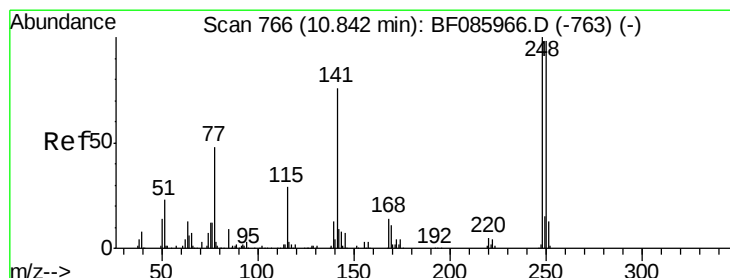
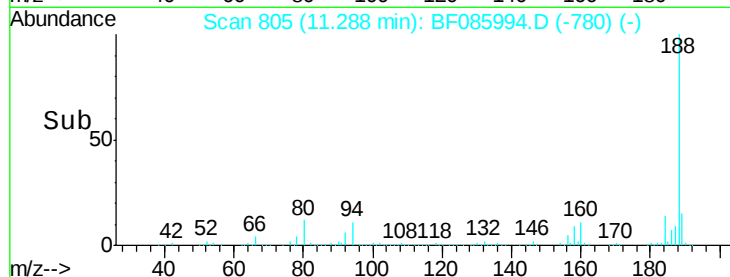
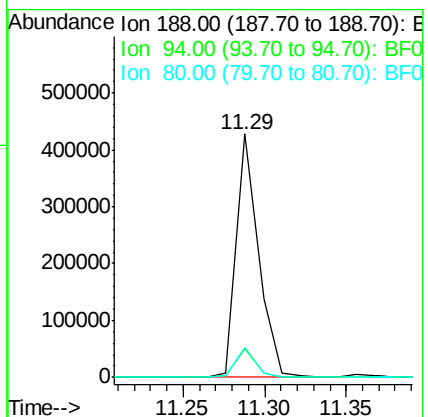
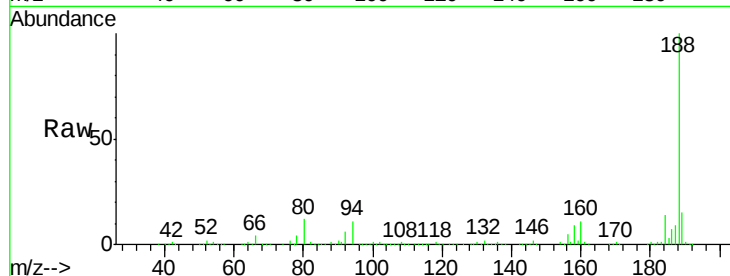




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF085994.D
Acq: 2 Apr 2016 6:54

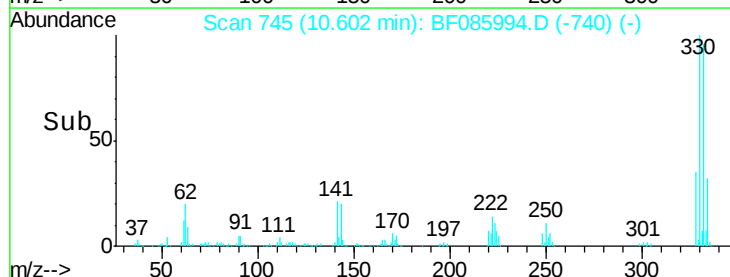
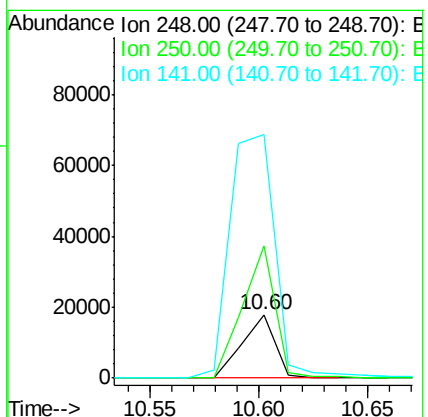
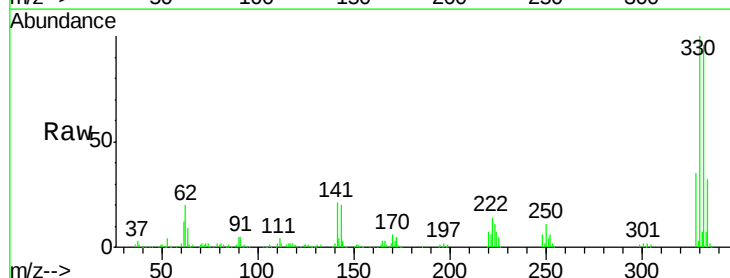
Instrument :
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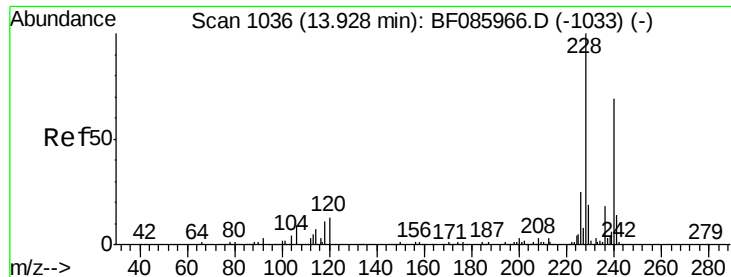
Tgt Ion:188 Resp: 402647
Ion Ratio Lower Upper
188 100
94 11.5 5.4 8.0#
80 12.4 5.5 8.3#



#66
4-Bromophenyl-phenylether
Concen: 4.53 ng
RT: 10.60 min Scan# 745
Delta R.T. -0.24 min
Lab File: BF085994.D
Acq: 2 Apr 2016 6:54

Tgt Ion:248 Resp: 18611
Ion Ratio Lower Upper
248 100
250 207.4 77.4 116.0#
141 383.2 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DB-EB-3

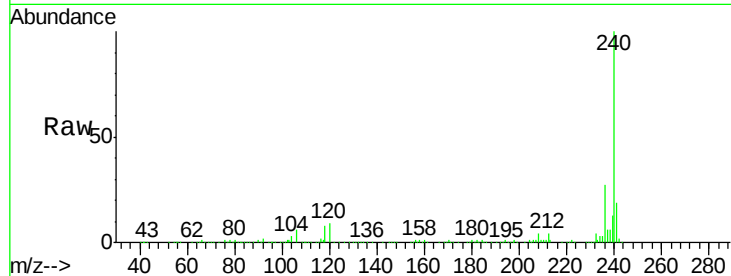
Tgt Ion:240 Resp: 373618

Ion Ratio Lower Upper

240 100

120 9.2 13.8 20.8#

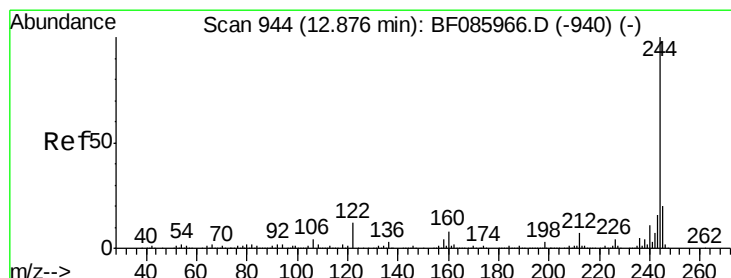
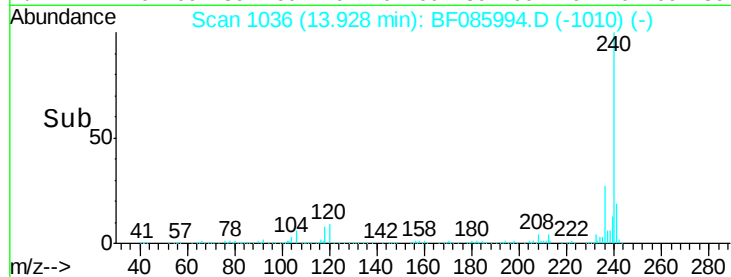
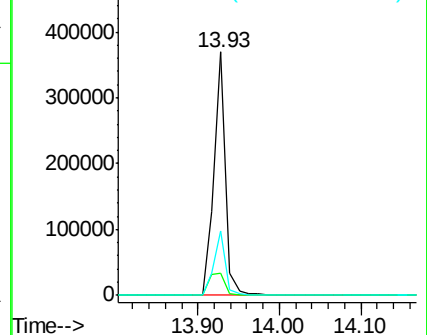
236 26.6 20.6 30.8



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: 68.01 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

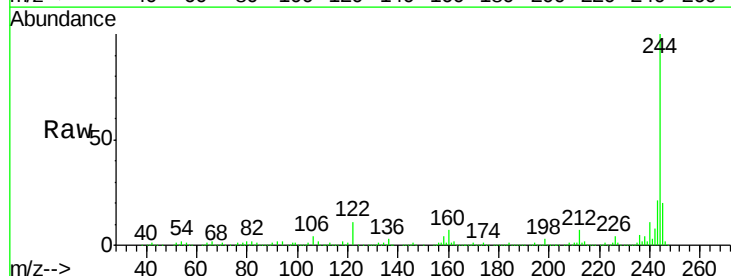
Tgt Ion:244 Resp: 1080906

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

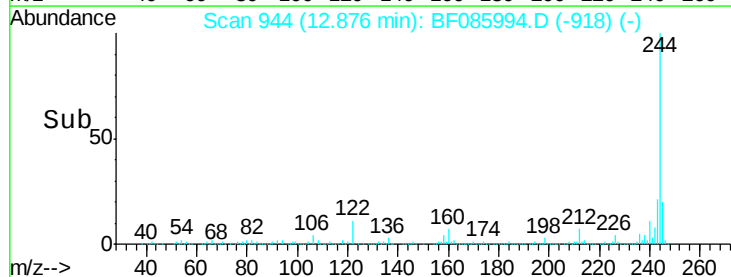
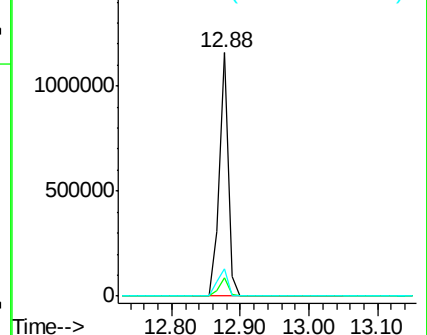
122 11.4 10.2 15.4

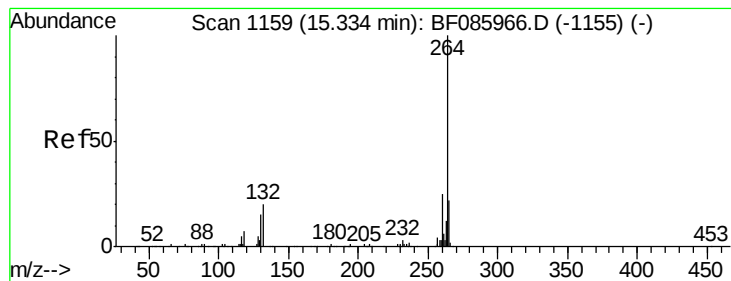


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF085994.D

Acq: 2 Apr 2016 6:54

Instrument :

BNA_F

ClientSampleId :

DB-EB-3

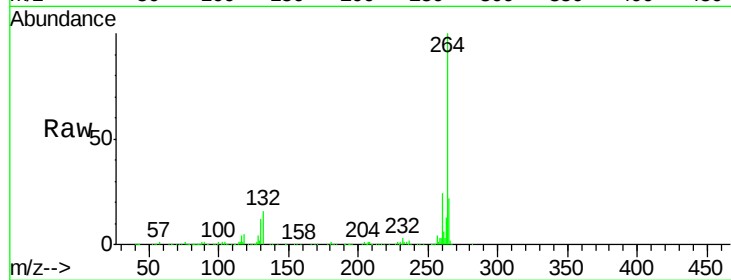
Tgt Ion:264 Resp: 327044

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.8 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

300000

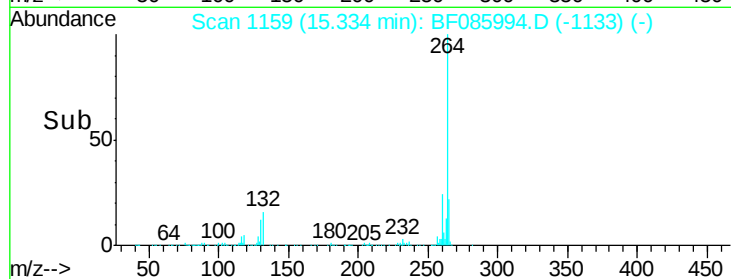
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

200000

15.33

100000



Time--> 15.20 15.40