

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085761.D
 Acq On : 25 Mar 2016 14:59
 Operator : UM/SJ
 Sample : H1858-09
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 25 16:18:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	115043	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	415669	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	175935	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	256631	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	224369	20.00	ng	0.00
86) Perylene-d12	15.40	264	199168	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	883634	127.92	ng	0.03
7) Phenol-d6	6.47	99	1078022	122.74	ng	0.01
23) Nitrobenzene-d5	7.40	82	761414	103.15	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	208789	124.91	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1144714	108.71	ng	0.00
78) Terphenyl-d14	12.93	244	769703	70.55	ng	0.00

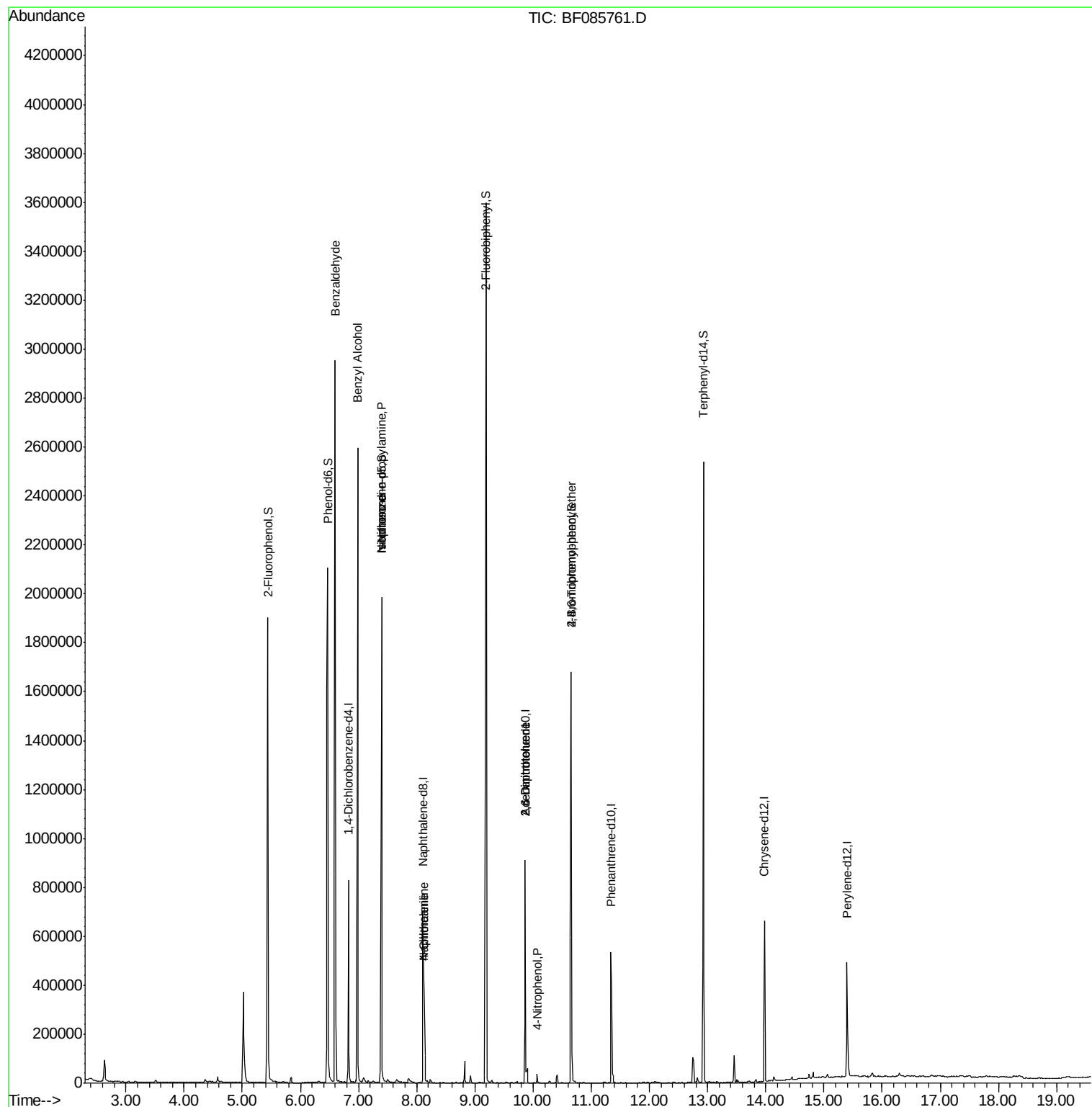
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	19442	3.67	ng	83
15) Benzyl Alcohol	6.98	79	11904	2.03	ng	# 44
19) n-Nitroso-di-n-propylamine	7.40	70	102581	19.51	ng	# 76
25) Isophorone	7.40	82	743907	52.32	ng	# 68
31) Naphthalene	8.13	128	146907	7.01	ng	98
33) 4-Chloroaniline	8.13	127	19604	2.29	ng	# 32
50) 2,6-Dinitrotoluene	9.86	165	22102	7.69	ng	# 20
55) 4-Nitrophenol	10.07	139	6306	2.94	ng	# 10
56) 2,4-Dinitrotoluene	9.86	165	22102	6.05	ng	# 38
66) 4-Bromophenyl-phenylether	10.65	248	14627	5.57	ng	# 1

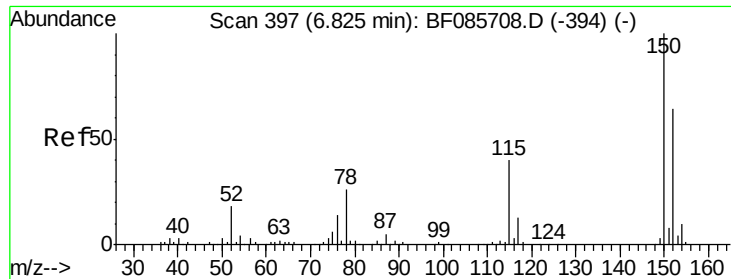
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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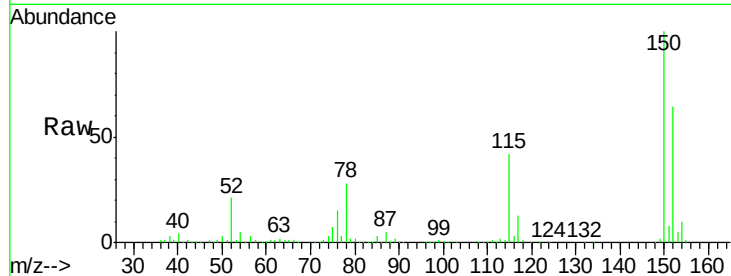


#1

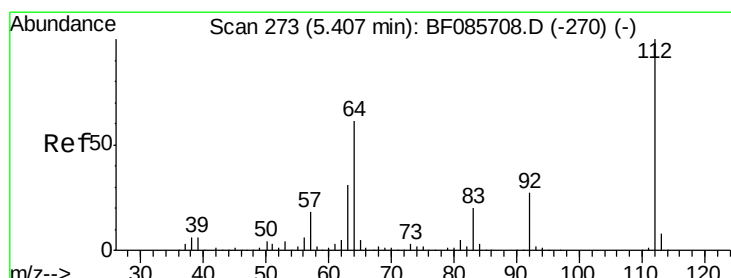
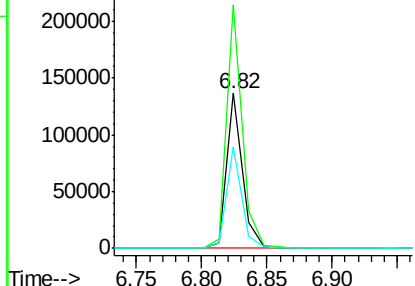
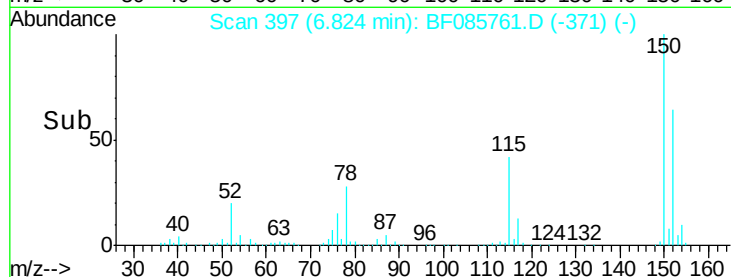
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 397
Delta R.T. -0.00 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115043
Ion Ratio Lower Upper
152 100
150 157.3 124.2 186.2
115 65.6 47.0 70.6



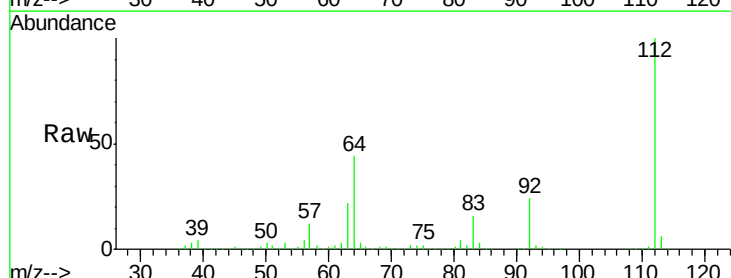
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



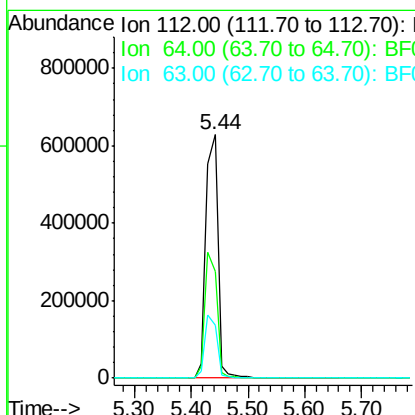
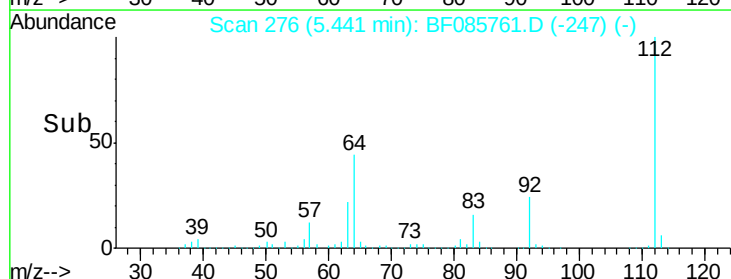
#5

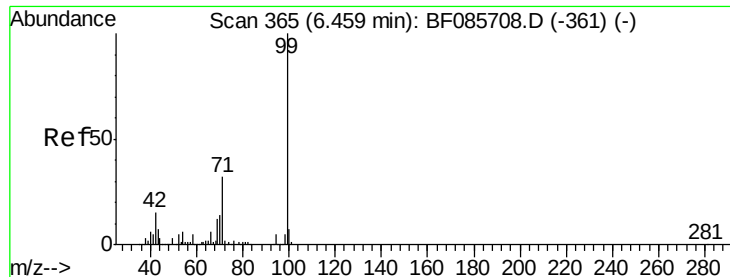
2-Fluorophenol
Concen: 127.92 ng
RT: 5.44 min Scan# 276
Delta R.T. 0.03 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Tgt Ion:112 Resp: 883634
Ion Ratio Lower Upper
112 100
64 43.7 39.9 59.9
63 21.7 20.2 30.2



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: 122.74 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

Instrument :

BNA_F

ClientSampled :

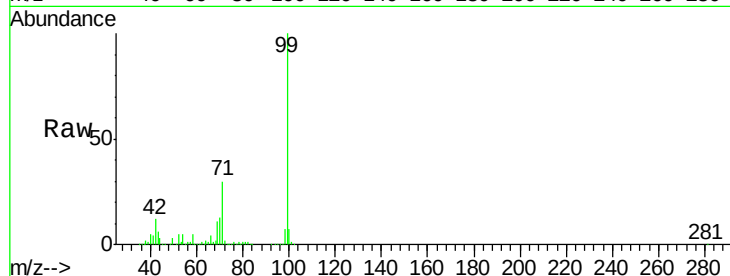
Tot Ion: 99 Resp: 1078022

Ion Ratio Lower Upper

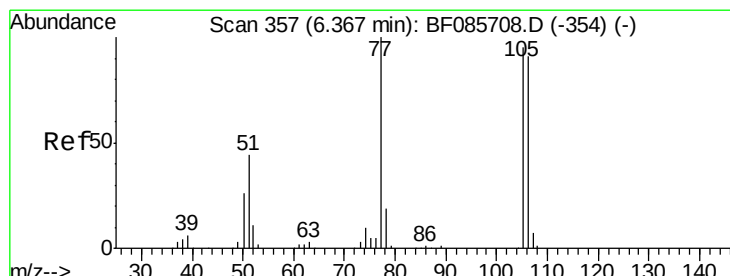
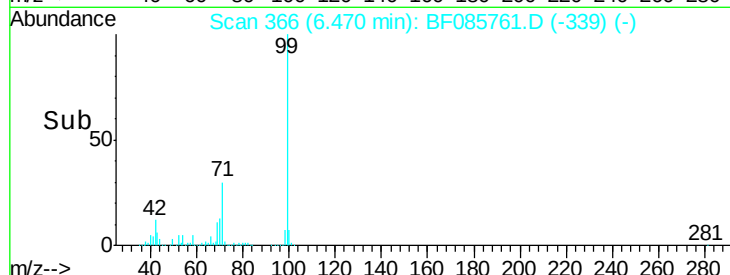
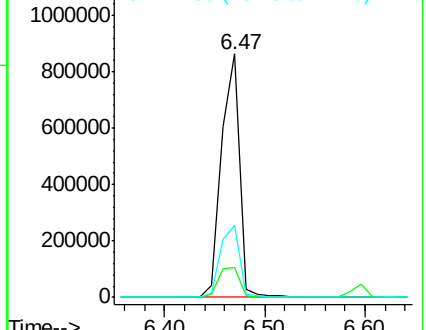
99 100

42 12.4 11.1 16.7

71 29.6 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.67 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

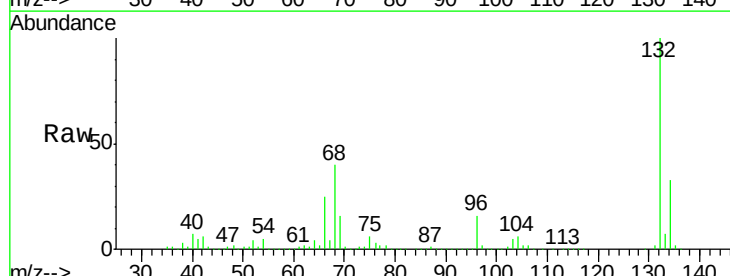
Tgt Ion: 77 Resp: 19442

Ion Ratio Lower Upper

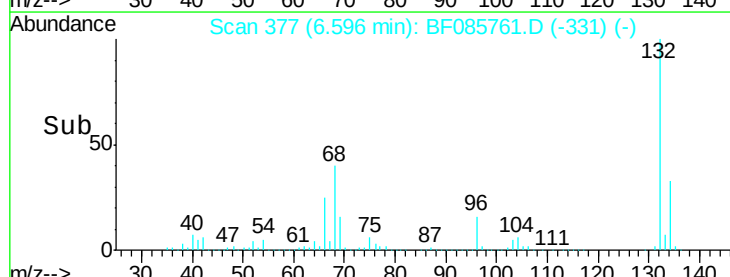
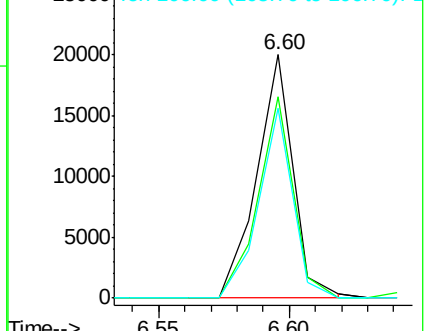
77 100

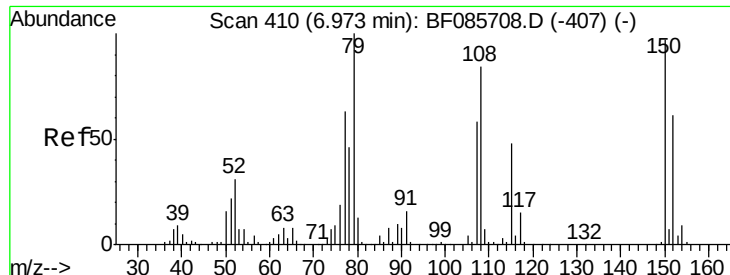
105 82.9 80.1 120.1

106 78.1 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 6.98 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

Instrument :

BNA_F

ClientSampleId :

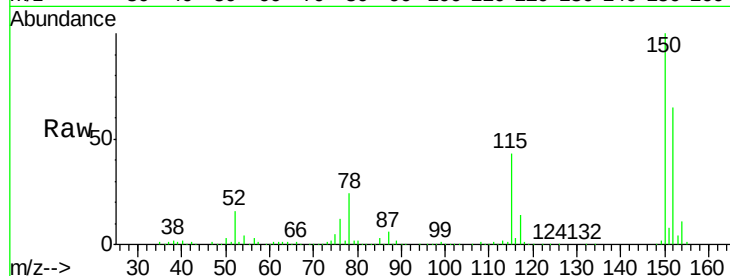
Tot Ion: 79 Resp: 11904

Ion Ratio Lower Upper

79 100

108 37.3 61.8 92.6#

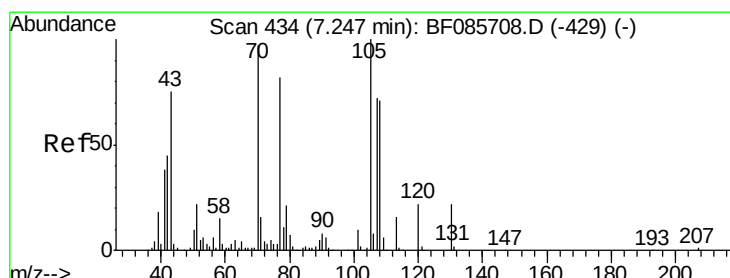
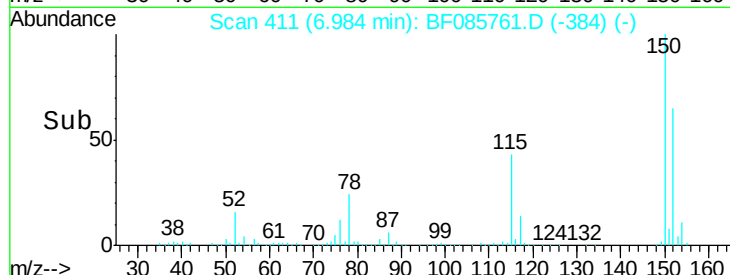
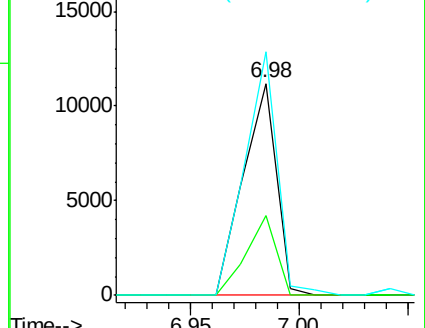
77 114.7 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.51 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

Tgt Ion: 70 Resp: 102581

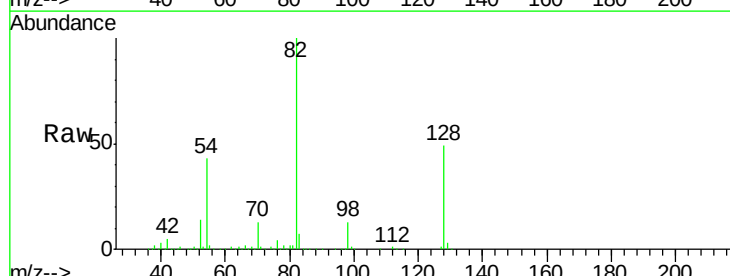
Ion Ratio Lower Upper

70 100

42 38.5 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

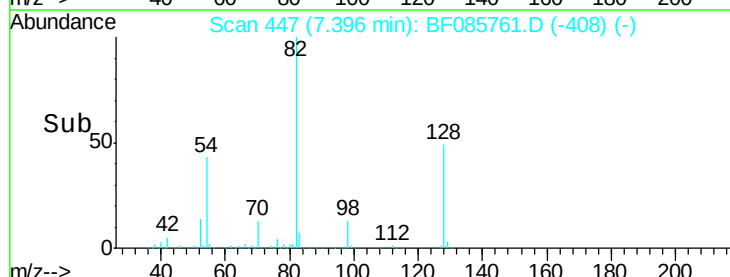
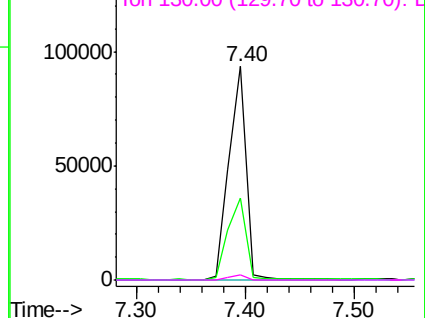


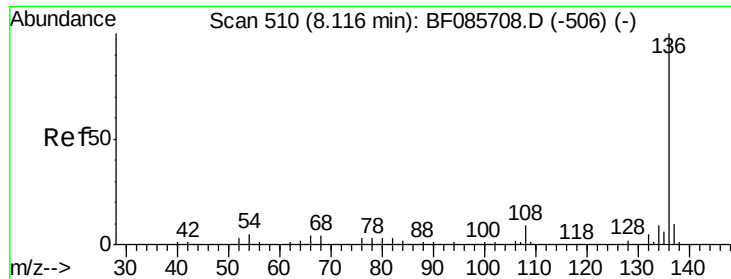
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

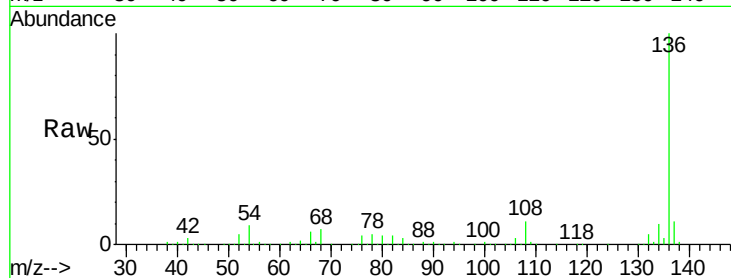




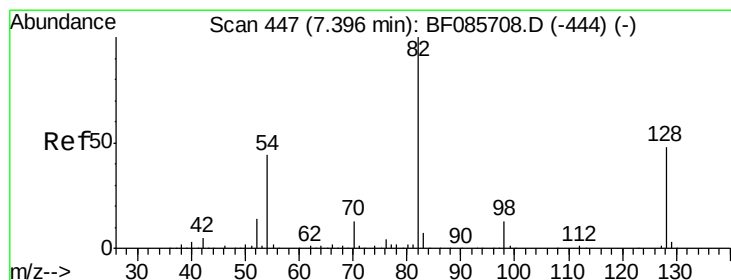
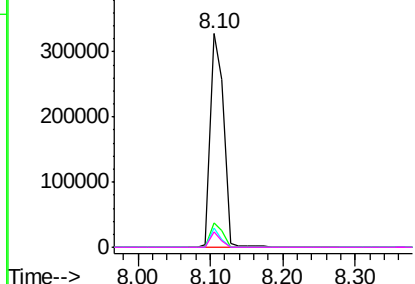
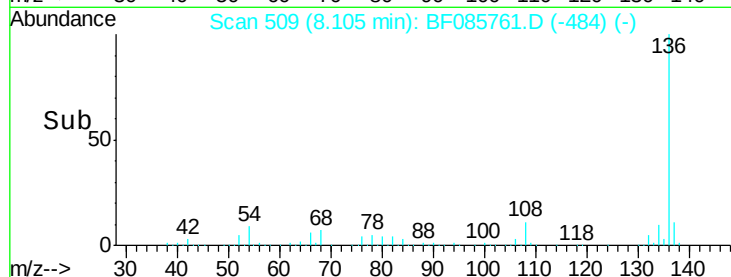
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	415669
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.1 13.7
54	9.3	7.4 11.0
68	7.2	5.8 8.8

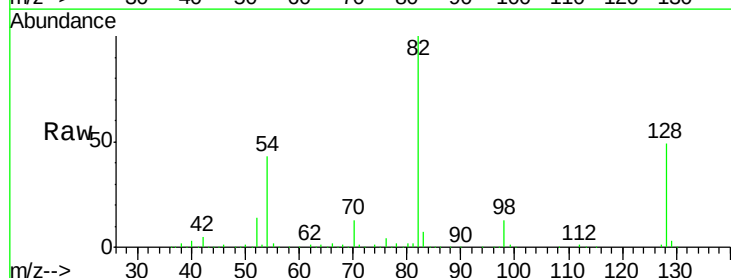


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

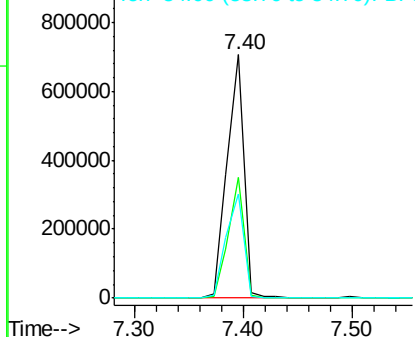
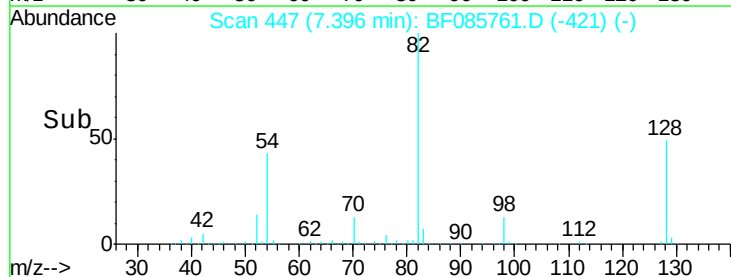


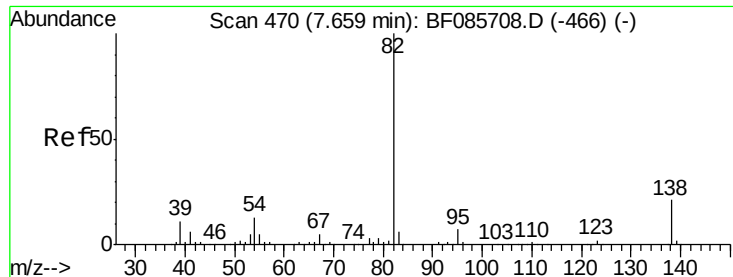
#23
Nitrobenzene-d5
Concen: 103.15 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Tgt Ion: 82	Resp:	761414
Ion Ratio	Lower	Upper
82	100	
128	49.3	41.8 62.8
54	42.9	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





#25

Isophorone

Concen: 52.32 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.26 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

Instrument :

BNA_F

ClientSampled :

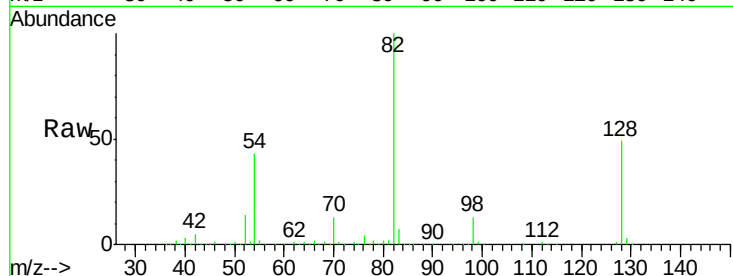
Tot Ion: 82 Resp: 743907

Ion Ratio Lower Upper

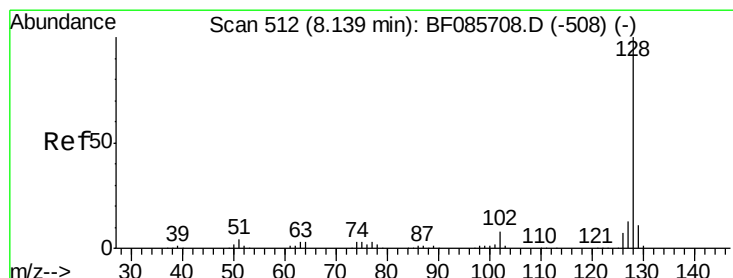
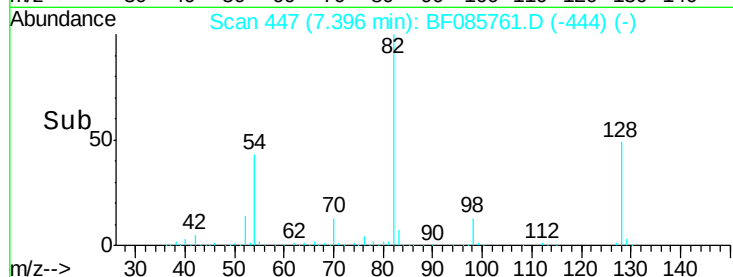
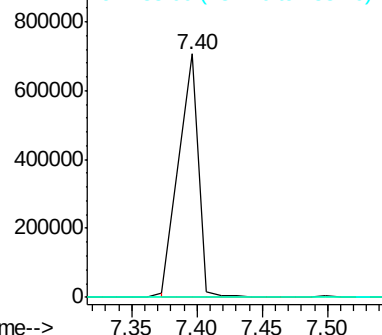
82 100

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): BF0



#31

Naphthalene

Concen: 7.01 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

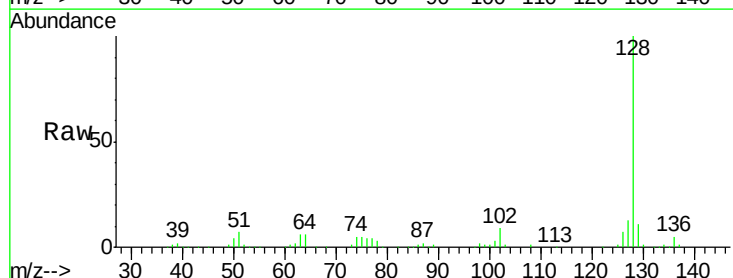
Tgt Ion: 128 Resp: 146907

Ion Ratio Lower Upper

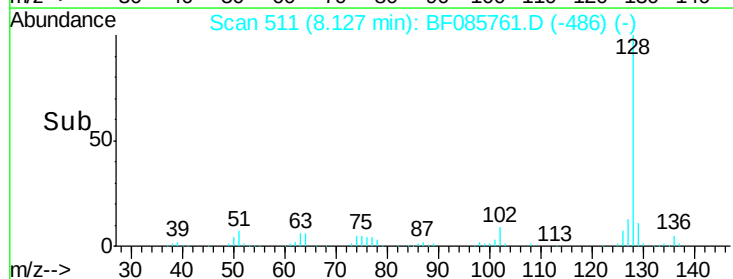
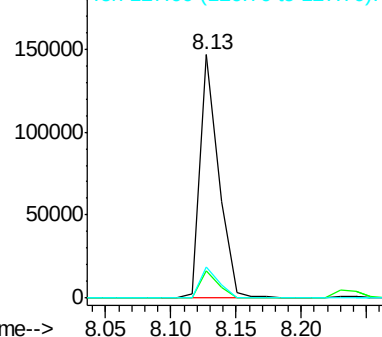
128 100

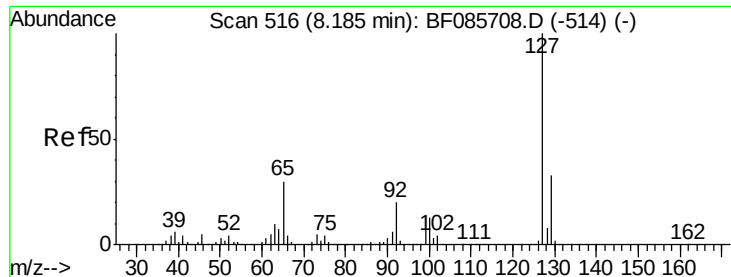
129 11.3 9.4 14.0

127 12.8 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

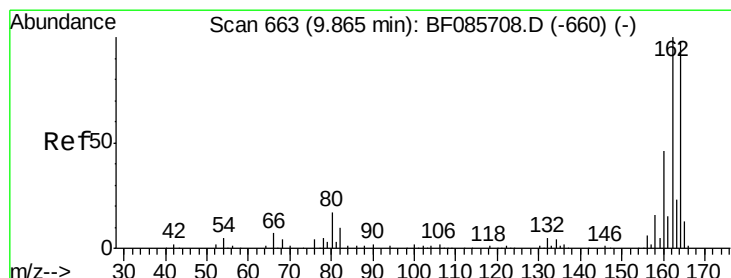
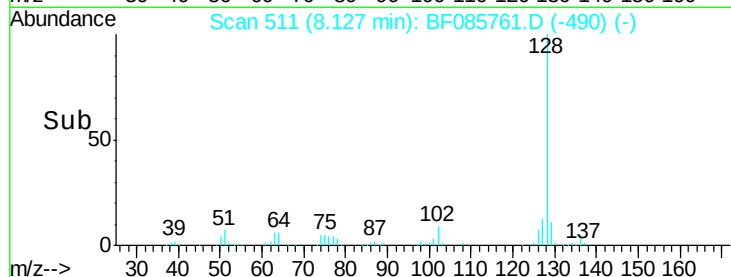
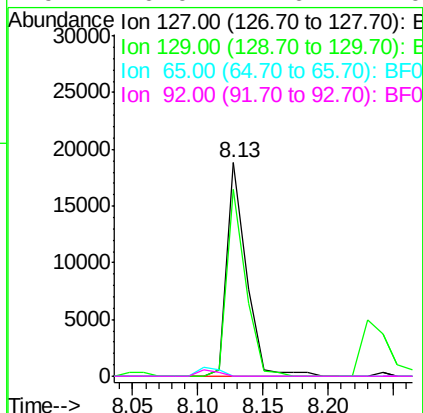
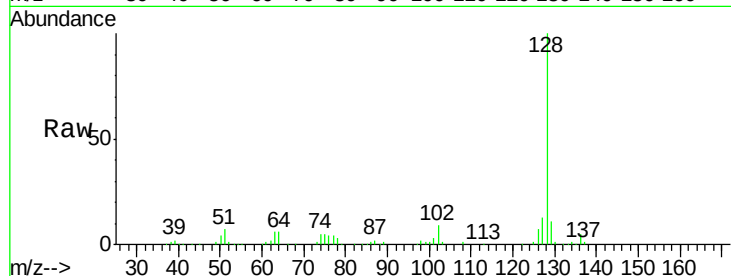




#33
4-Chloroaniline
Concen: 2.29 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.06 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

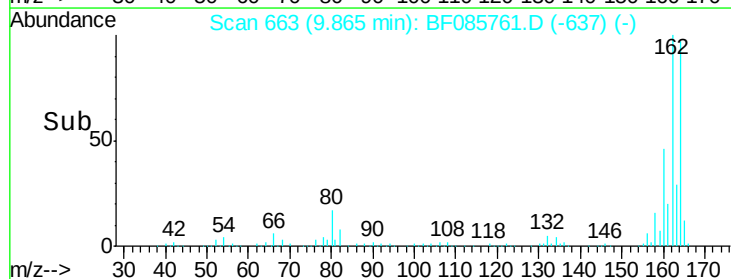
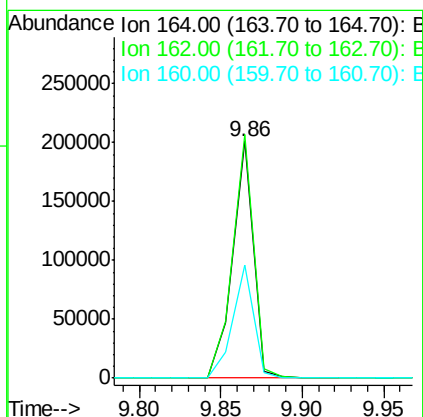
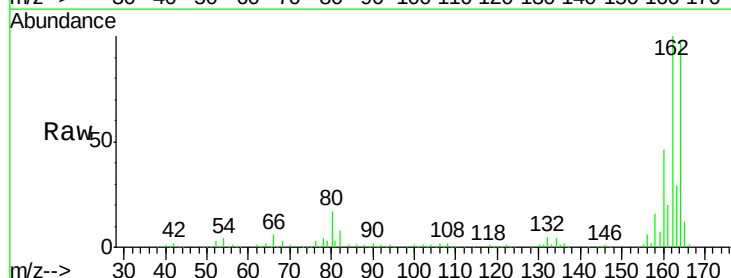
Instrument :
BNA_F
ClientSampled :

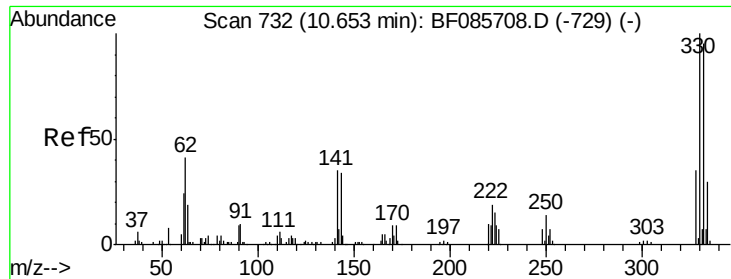
Tot Ion:	127	Resp:	19604
Ion	Ratio	Lower	Upper
127	100		
129	87.8	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Tgt Ion:	164	Resp:	175935
Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.1	123.1
160	47.7	37.4	56.2

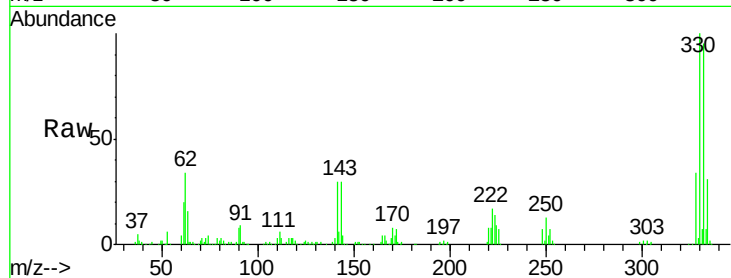




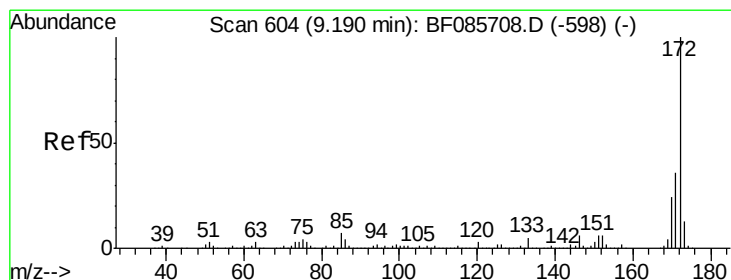
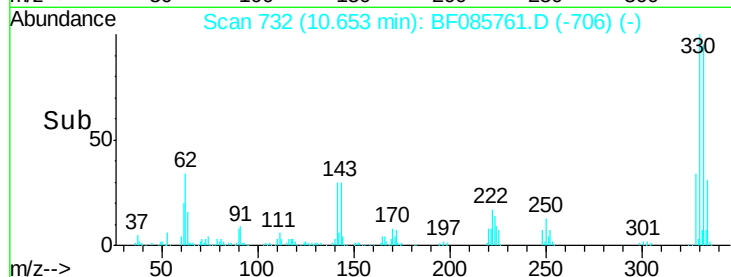
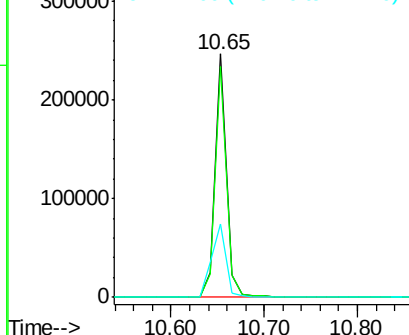
#41
 2,4,6-Tribromophenol
 Concen: 124.91 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085761.D
 Acq: 25 Mar 2016 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	78.2	117.2
141	39.1	31.5	47.3

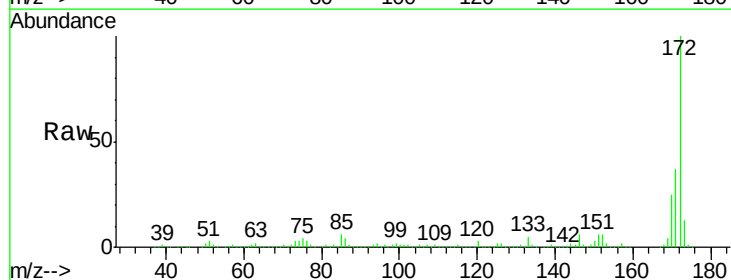


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

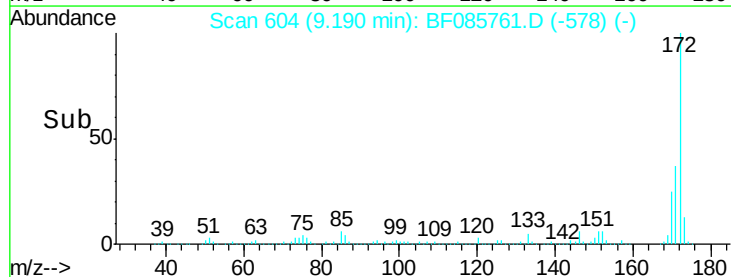
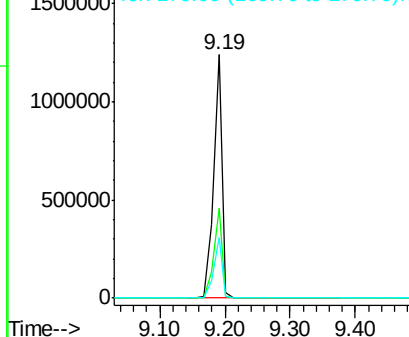


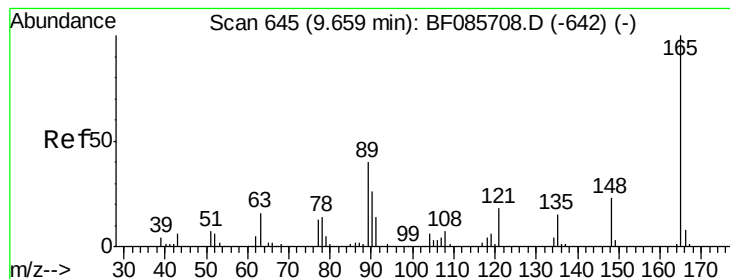
#44
 2-Fluorobiphenyl
 Concen: 108.71 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085761.D
 Acq: 25 Mar 2016 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.2
170	24.8	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: 7.69 ng

RT: 9.86 min Scan# 663

Delta R.T. 0.21 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

Instrument :

BNA_F

ClientSampleId :

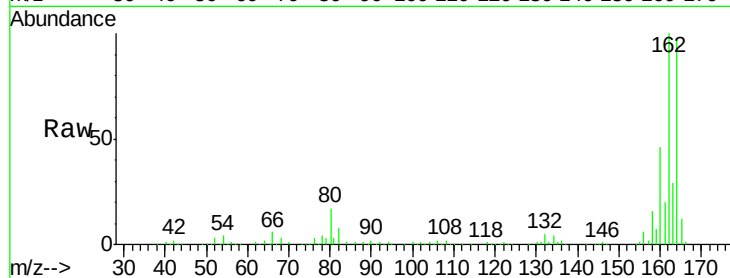
Tot Ion:165 Resp: 22102

Ion Ratio Lower Upper

165 100

63 1.6 51.8 77.8#

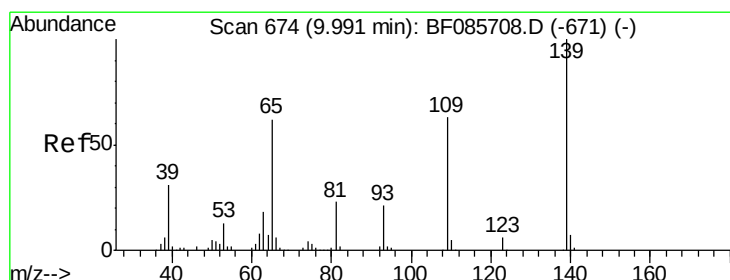
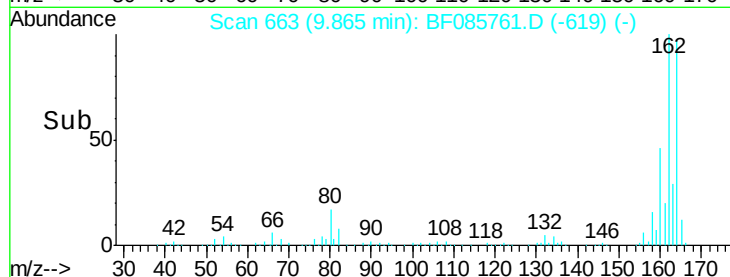
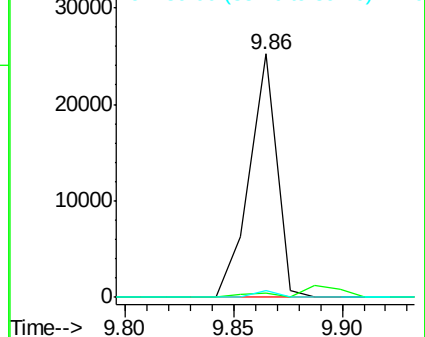
89 2.6 53.7 80.5#



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



#55

4-Nitrophenol

Concen: 2.94 ng

RT: 10.07 min Scan# 681

Delta R.T. 0.08 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

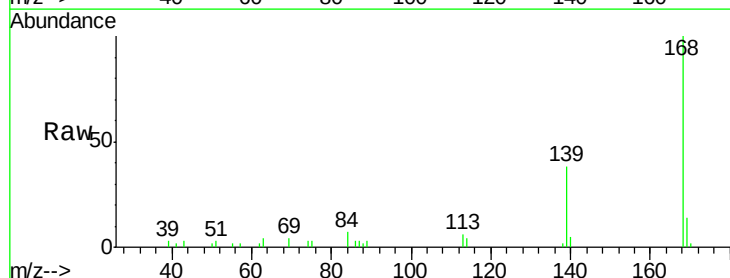
Tgt Ion:139 Resp: 6306

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

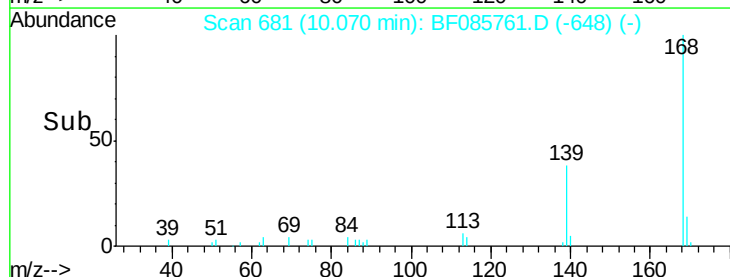
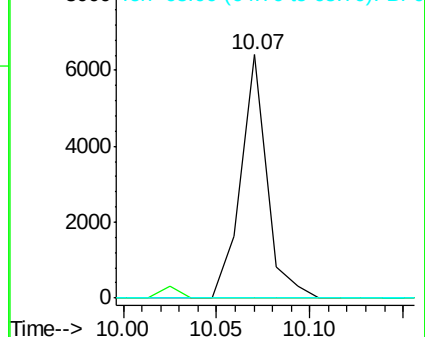
65 0.0 66.9 106.9#

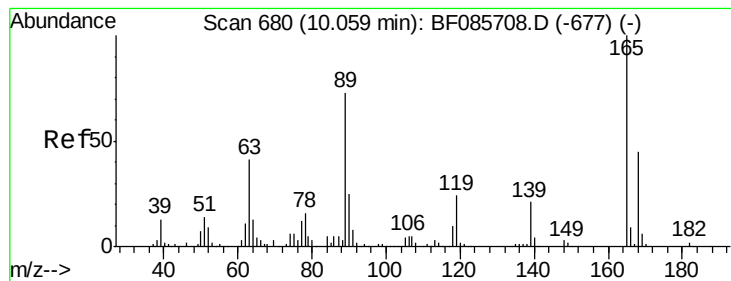


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.05 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.19 min

Lab File: BF085761.D

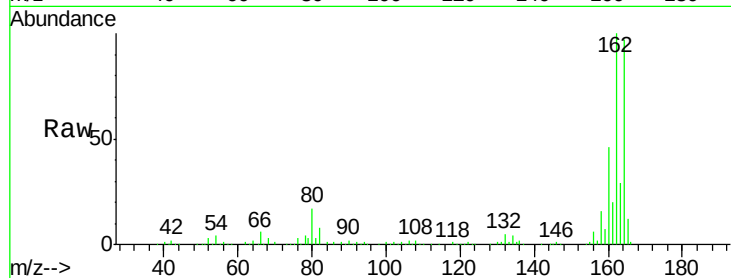
Acq: 25 Mar 2016 14:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	22102
Ion Ratio	Lower	Upper
165	100	
63	1.6	24.9 37.3#
89	2.6	41.0 61.6#
182	0.0	2.1 3.1#

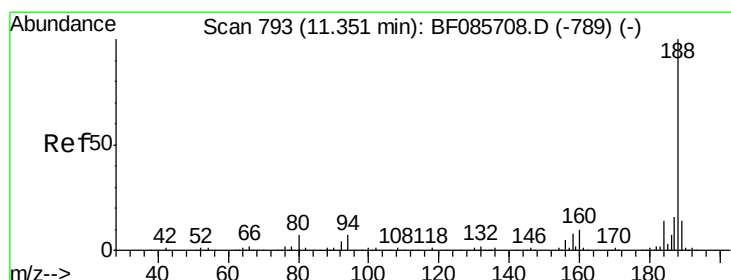
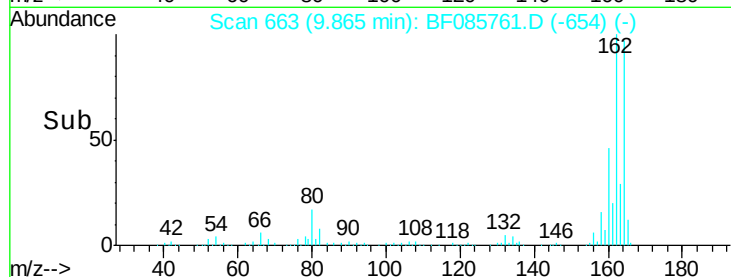
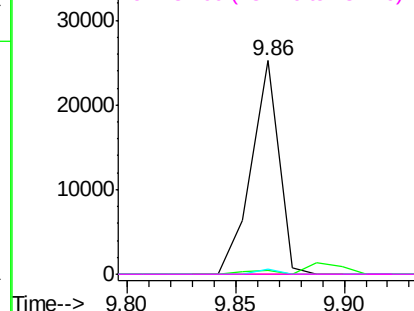


Abundance Ion 165.00 (164.70 to 165.70): E

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

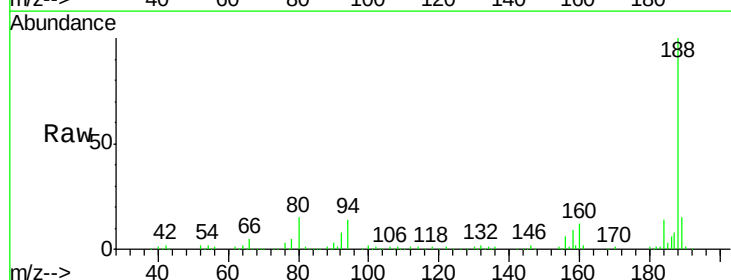
RT: 11.34 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF085761.D

Acq: 25 Mar 2016 14:59

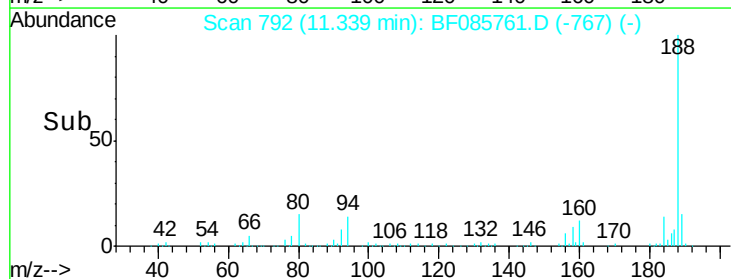
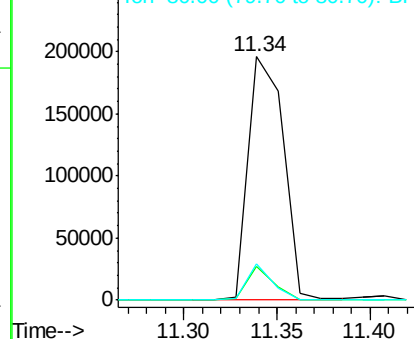
Tgt Ion:188	Resp:	256631
Ion Ratio	Lower	Upper
188	100	
94	13.7	5.4 8.0#
80	14.7	5.5 8.3#

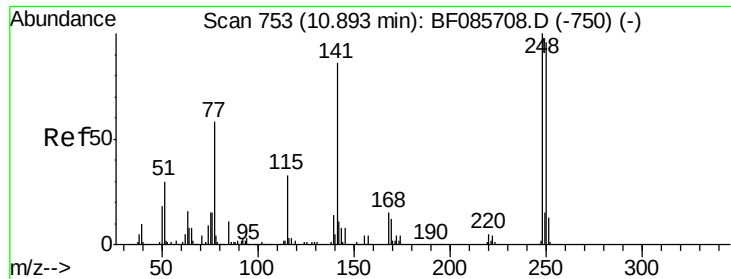


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

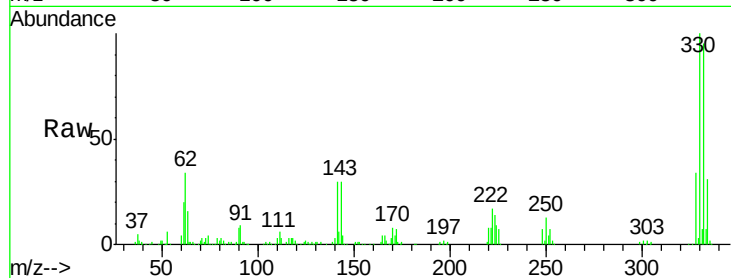




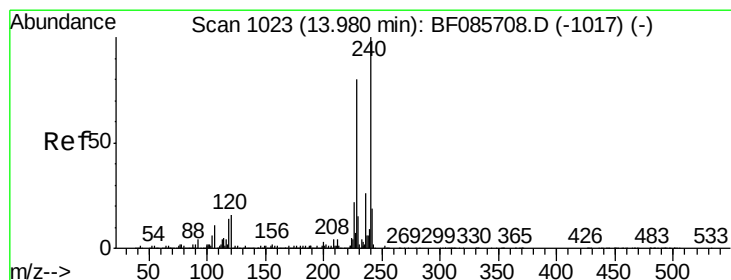
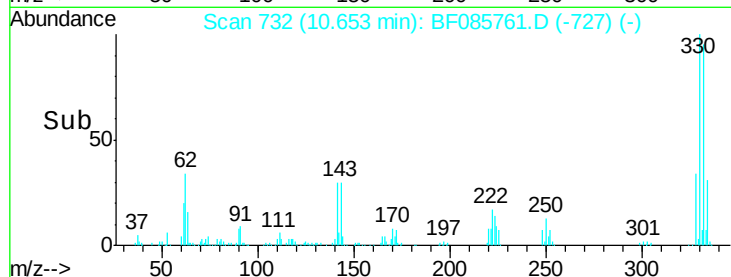
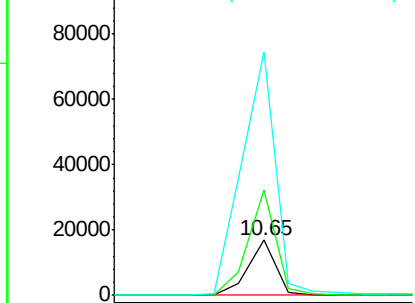
#66
4-Bromophenyl-phenylether
Concen: 5.57 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.24 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14627
Ion Ratio Lower Upper
248 100
250 190.6 77.4 116.0#
141 441.6 63.6 95.4#

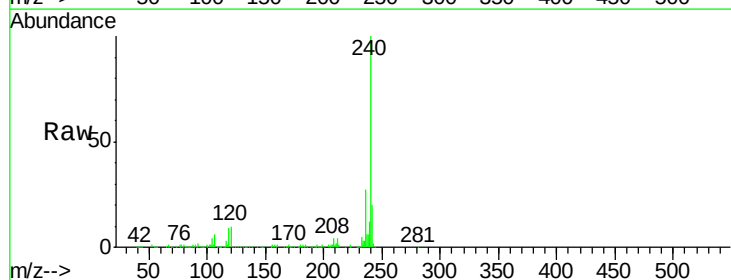


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

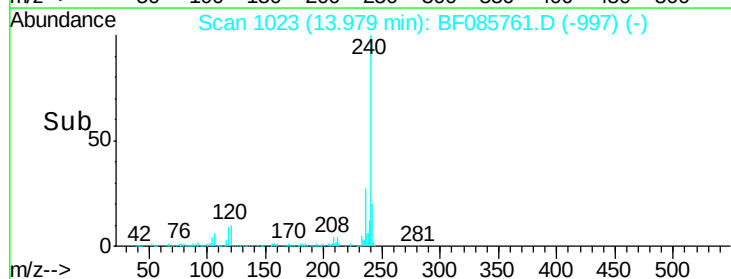
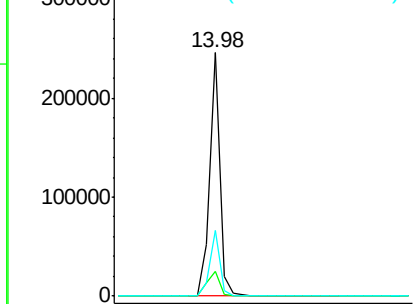


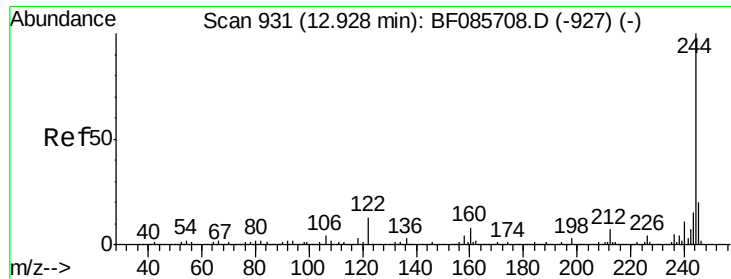
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF085761.D
Acq: 25 Mar 2016 14:59

Tgt Ion:240 Resp: 224369
Ion Ratio Lower Upper
240 100
120 10.3 13.8 20.8#
236 27.0 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

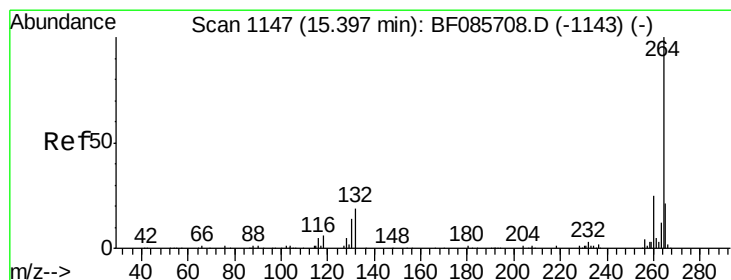
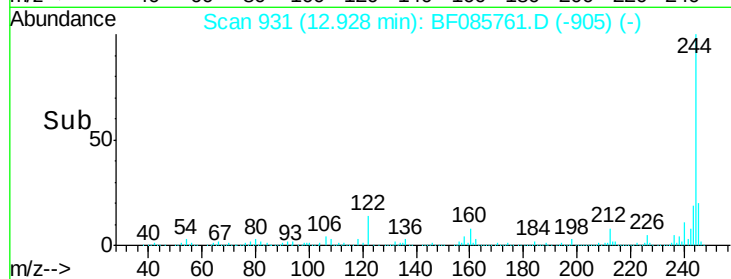
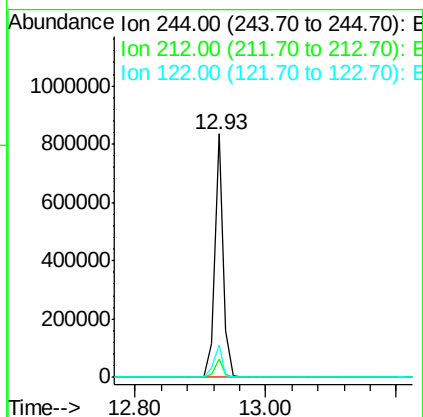
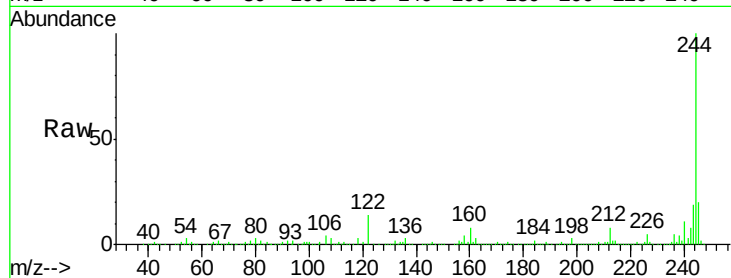




#78
 Terphenyl-d14
 Concen: 70.55 ng
 RT: 12.93 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF085761.D
 Acq: 25 Mar 2016 14:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 769703
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 13.6 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF085761.D
 Acq: 25 Mar 2016 14:59

Tgt Ion:264 Resp: 199168
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.4 29.2
 265 21.9 17.2 25.8

