

Data Path : Z:\HPCHEM1\BNA F\Data\BF032116\
 Data File : BF085655.D
 Acq On : 22 Mar 2016 8:58
 Operator : UM/SJ
 Sample : H1834-14
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 11:34:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	128486	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	492869	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	201415	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	323222	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	250046	20.00	ng	-0.02
86) Perylene-d12	15.42	264	246620	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	505859	66.13	ng	-0.01
7) Phenol-d6	6.47	99	388350	39.58	ng	-0.02
23) Nitrobenzene-d5	7.41	82	688559	81.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	277135	140.46	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1213782	111.34	ng	-0.02
78) Terphenyl-d14	12.95	244	916093	88.16	ng	-0.01

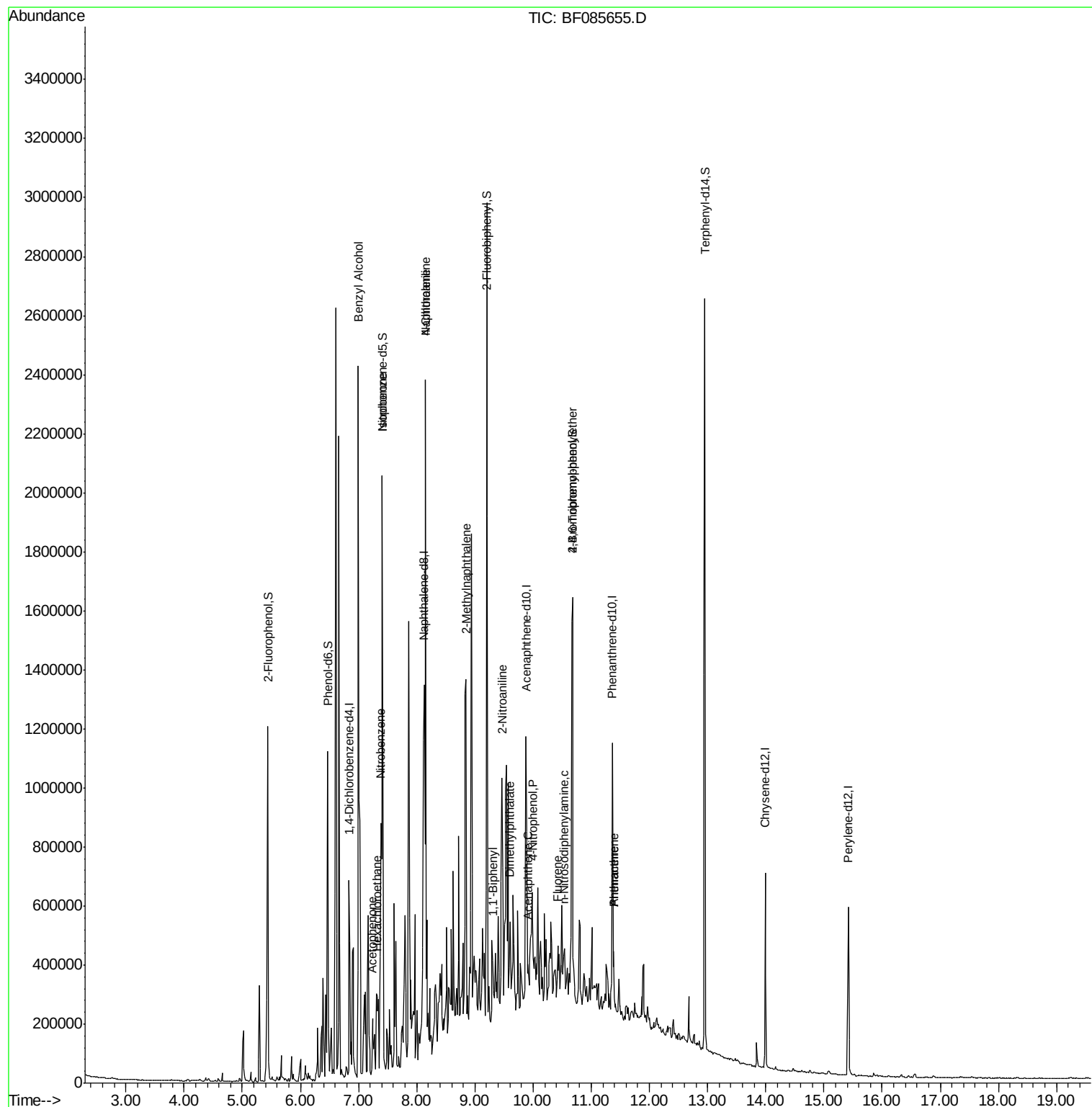
Target Compounds						Qvalue
15) Benzyl Alcohol	7.00	79	15054	2.24	ng	# 46
18) Hexachloroethane	7.32	117	23223	6.54	ng	# 1
22) Acetophenone	7.24	105	54754	4.68	ng	# 56
24) Nitrobenzene	7.38	77	36130	3.89	ng	# 23
25) Isophorone	7.41	82	526372	30.96	ng	# 68
31) Naphthalene	8.15	128	910456	36.60	ng	99
33) 4-Chloroaniline	8.15	127	133078	13.05	ng	# 31
37) 2-Methylnaphthalene	8.85	142	498272	32.86	ng	99
45) 1,1'-Biphenyl	9.30	154	37397	2.15	ng	96
47) 2-Nitroaniline	9.46	65	10496	2.73	ng	# 22
49) Dimethylphthalate	9.60	163	66197	4.36	ng	98
51) Acenaphthene	9.91	154	28141	2.18	ng	98
55) 4-Nitrophenol	9.99	139	6537	2.10	ng	95
57) Fluorene	10.42	166	37775	2.89	ng	# 98
65) n-Nitrosodiphenylamine	10.54	169	26698	2.65	ng	# 77
66) 4-Bromophenyl-phenylether	10.68	248	17784	5.51	ng	# 1
70) Phenanthrene	11.38	178	57723	3.39	ng	97
71) Anthracene	11.38	178	57723	3.23	ng	98

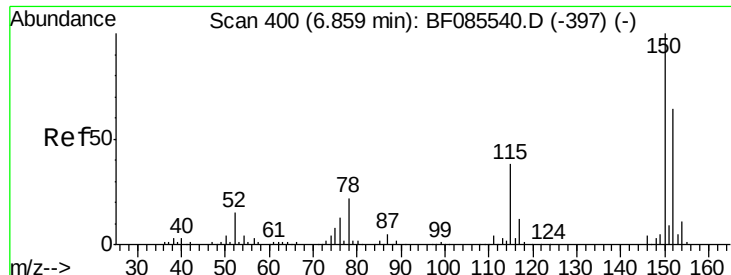
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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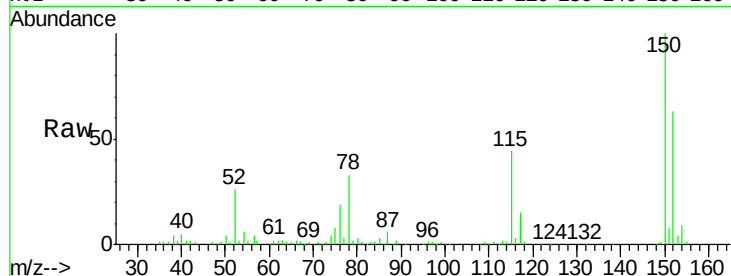


#1

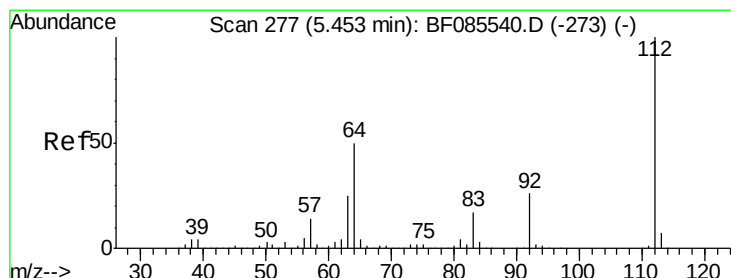
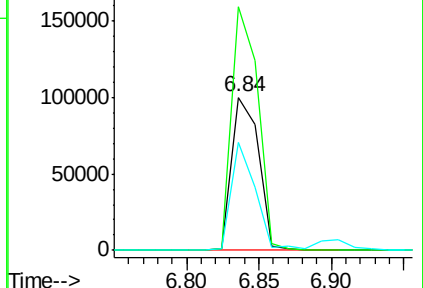
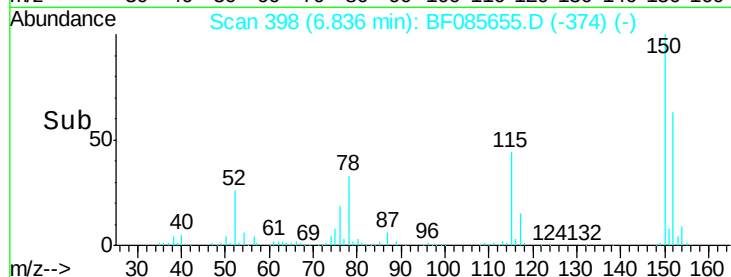
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF085655.D
Acq: 22 Mar 2016 8:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128486
Ion Ratio Lower Upper
152 100
150 158.7 124.2 186.2
115 70.2 47.0 70.6



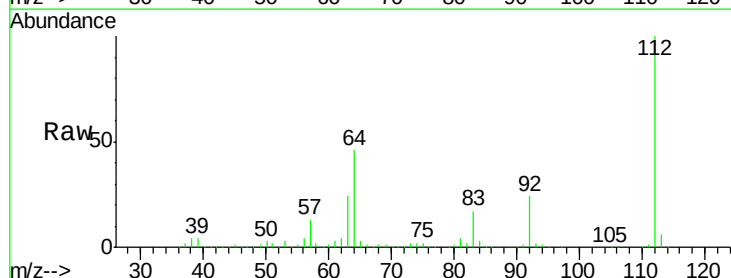
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



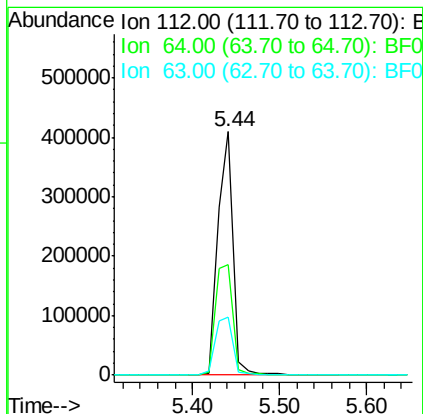
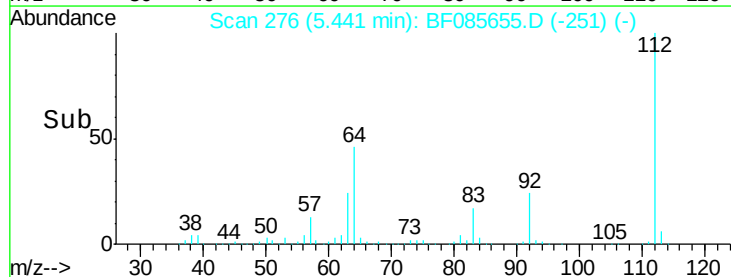
#5

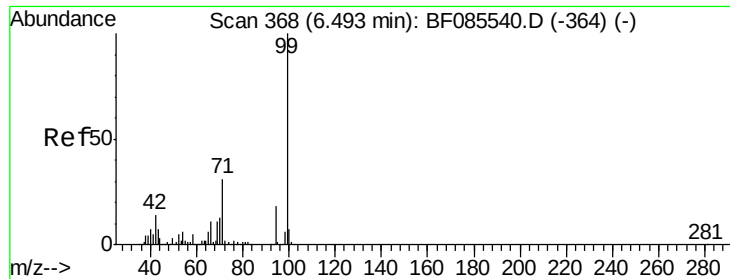
2-Fluorophenol
Concen: 66.13 ng
RT: 5.44 min Scan# 276
Delta R.T. -0.01 min
Lab File: BF085655.D
Acq: 22 Mar 2016 8:58

Tgt Ion:112 Resp: 505859
Ion Ratio Lower Upper
112 100
64 45.5 39.9 59.9
63 23.6 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: 39.58 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampled :

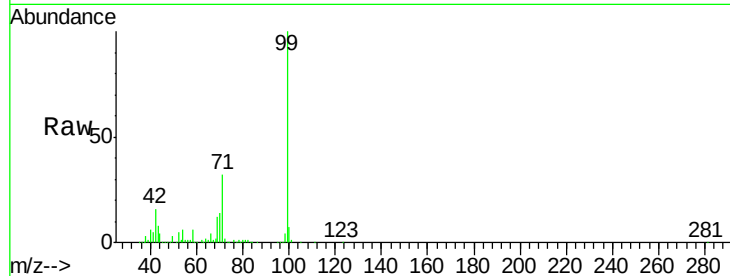
Tot Ion: 99 Resp: 388350

Ion Ratio Lower Upper

99 100

42 15.6 11.1 16.7

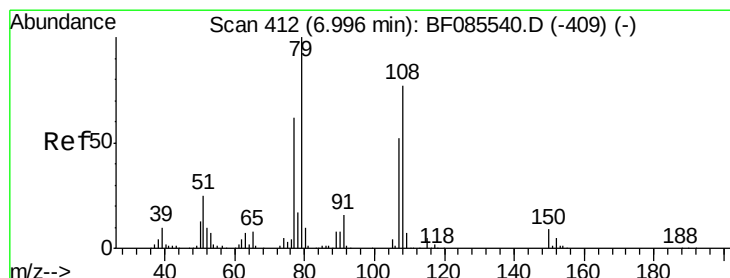
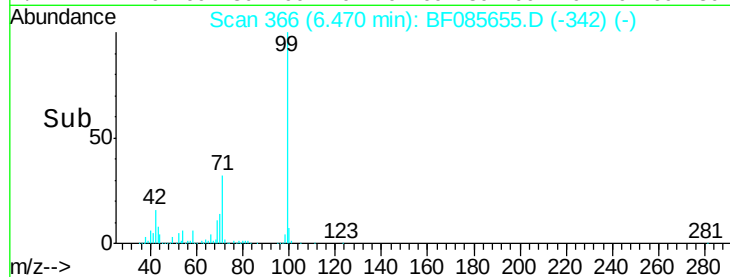
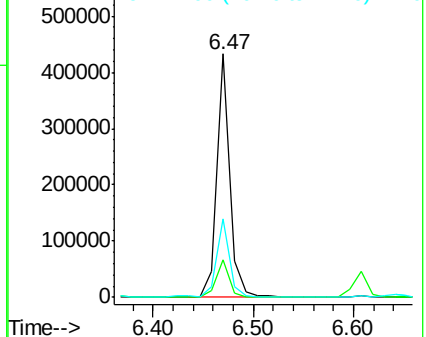
71 32.3 24.9 37.3



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



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

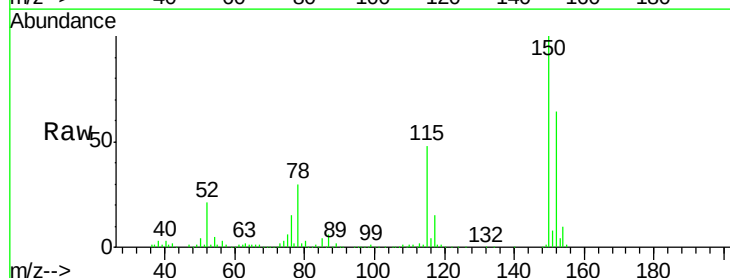
Tgt Ion: 79 Resp: 15054

Ion Ratio Lower Upper

79 100

108 30.5 61.8 92.6#

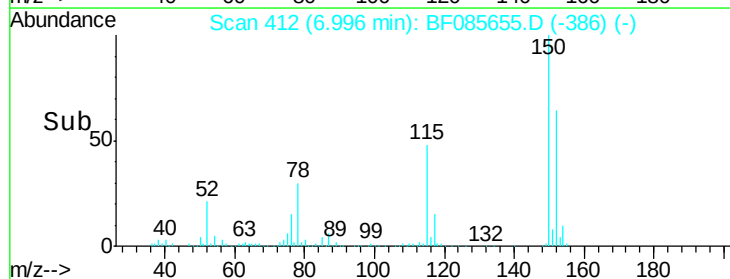
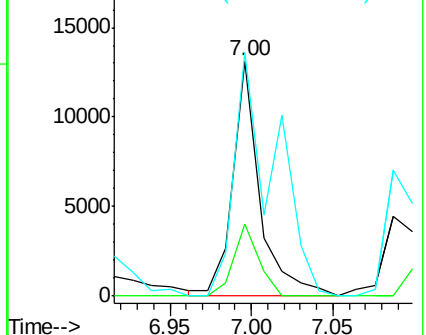
77 103.5 49.6 74.4#

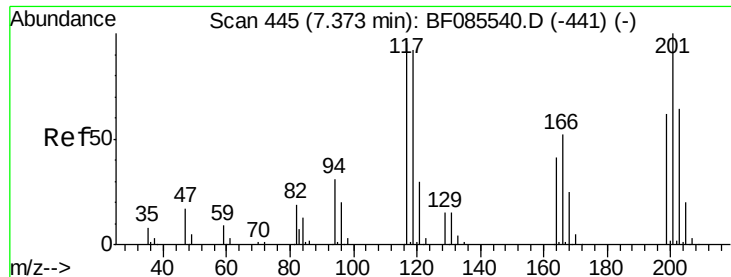


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 6.54 ng

RT: 7.32 min Scan# 440

Delta R.T. -0.06 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampleId :

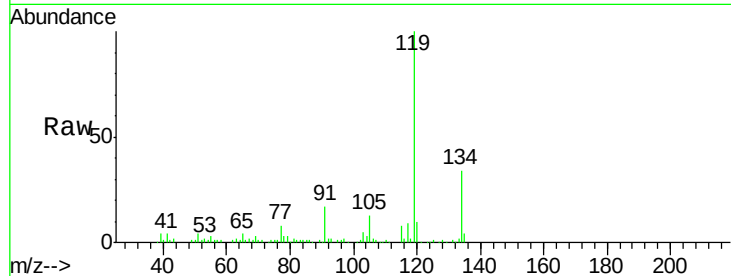
Tot Ion:117 Resp: 23223

Ion Ratio Lower Upper

117 100

119 1106.2 76.7 115.1#

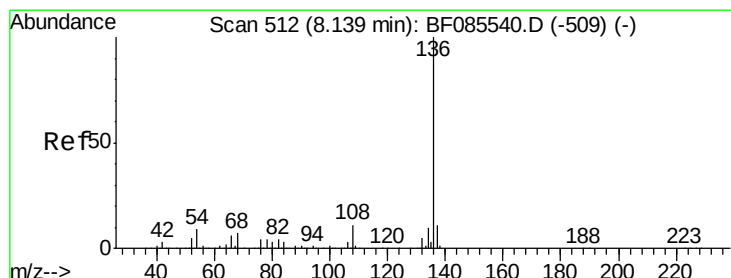
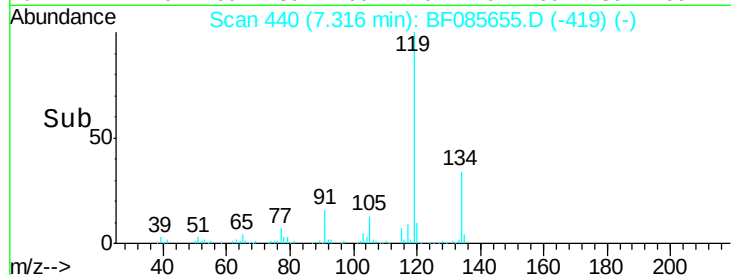
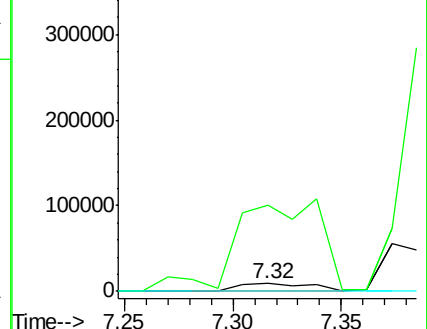
201 0.0 83.3 124.9#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Tgt Ion:136 Resp: 492869

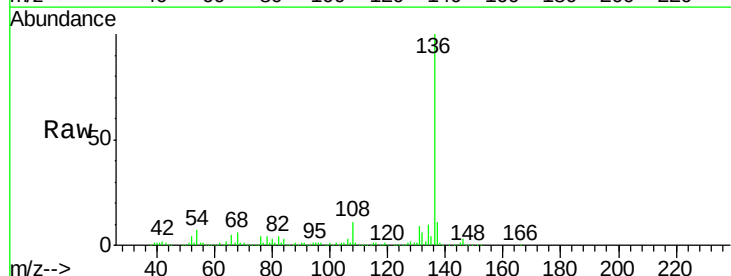
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.4 7.4 11.0

68 6.4 5.8 8.8

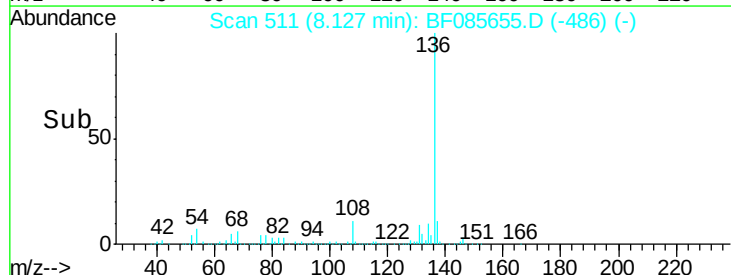
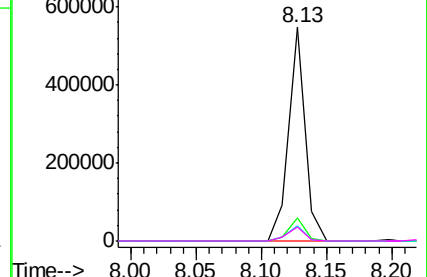


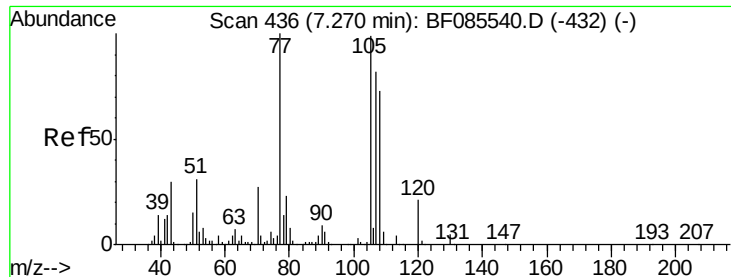
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 4.68 ng

RT: 7.24 min Scan# 433

Delta R.T. -0.03 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 54754

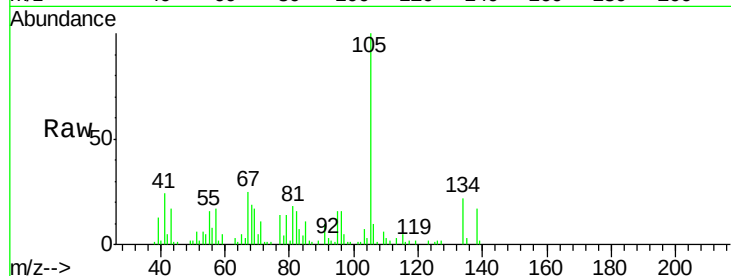
Ion Ratio Lower Upper

105 100

71 10.8 3.6 5.4#

51 6.0 25.4 38.0#

120 0.0 16.9 25.3#

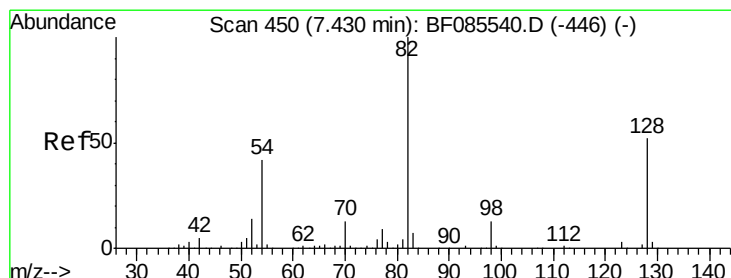
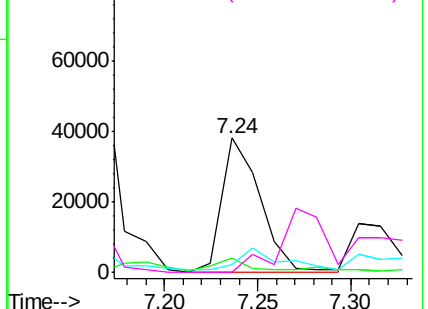
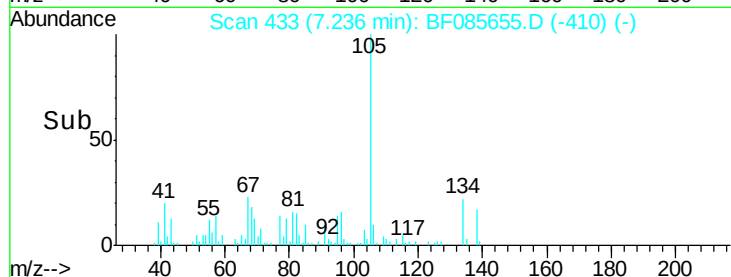


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 81.09 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

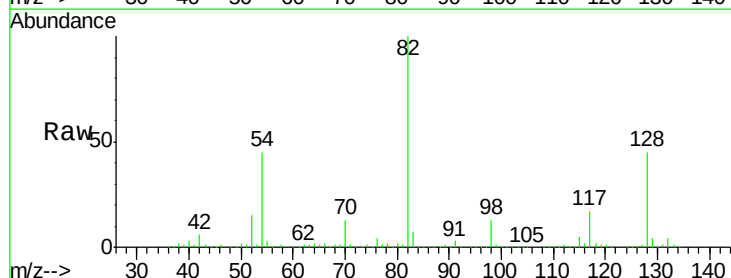
Tgt Ion: 82 Resp: 688559

Ion Ratio Lower Upper

82 100

128 44.8 41.8 62.8

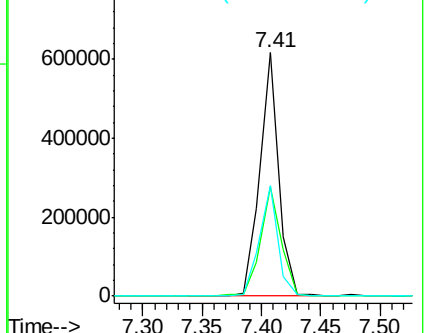
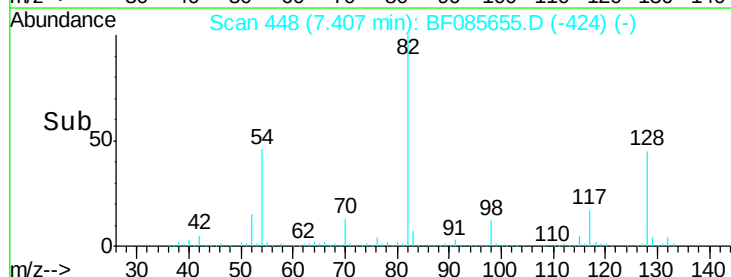
54 45.5 33.4 50.0

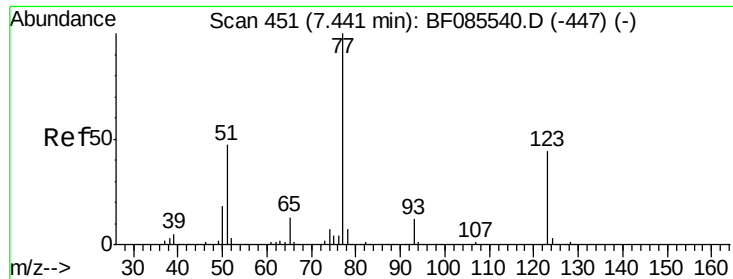


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

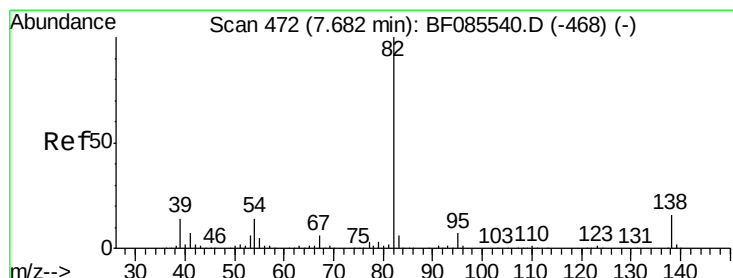
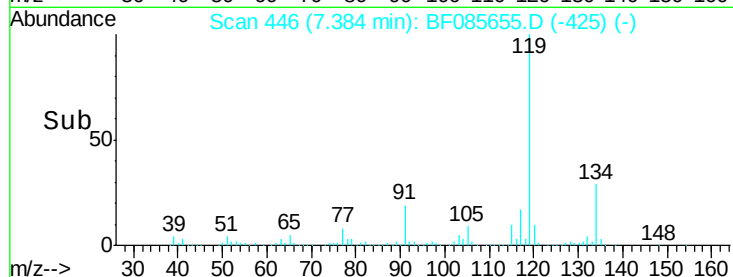
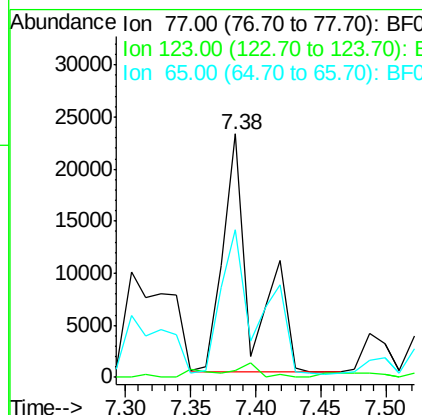
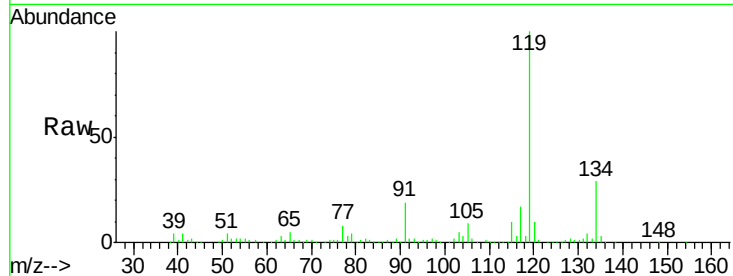




#24
 Nitrobenzene
 Concen: 3.89 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.06 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

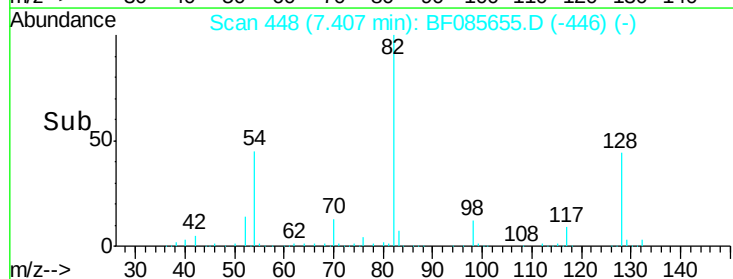
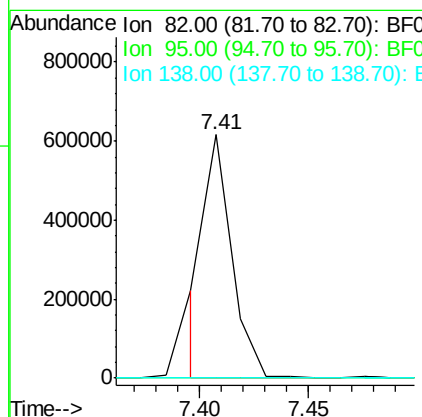
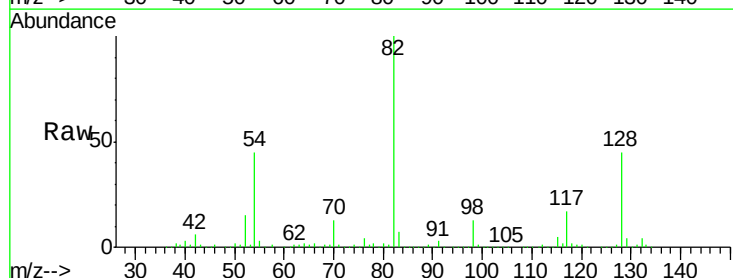
Instrument :
 BNA_F
 ClientSampled :

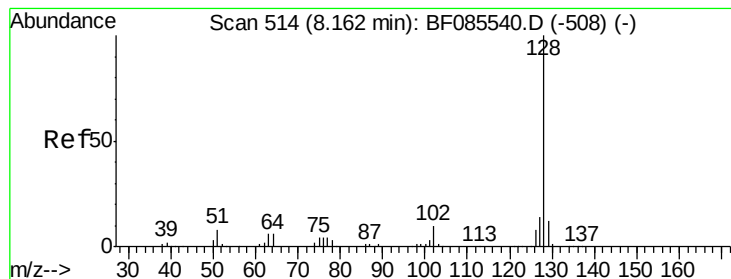
Tot Ion	77	123	65	Resp	Lower	Upper
77	100					
123	2.5	35.0			52.4#	
65	60.6	10.6			16.0#	



#25
 Isophorone
 Concen: 30.96 ng
 RT: 7.41 min Scan# 448
 Delta R.T. -0.27 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Tgt Ion	82	95	138	Resp	Lower	Upper
82	100					
95	0.2	5.4			8.2#	
138	0.0	12.9			19.3#	





#31

Naphthalene

Concen: 36.60 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampled :

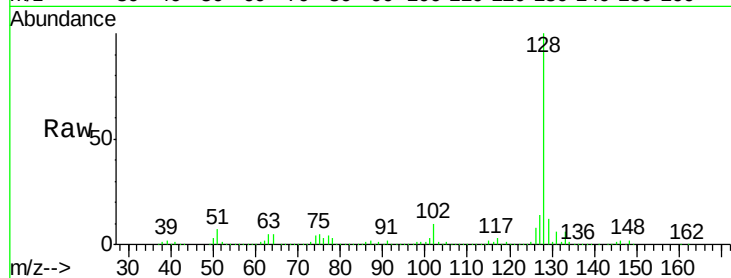
Tot Ion:128 Resp: 910456

Ion Ratio Lower Upper

128 100

129 12.4 9.4 14.0

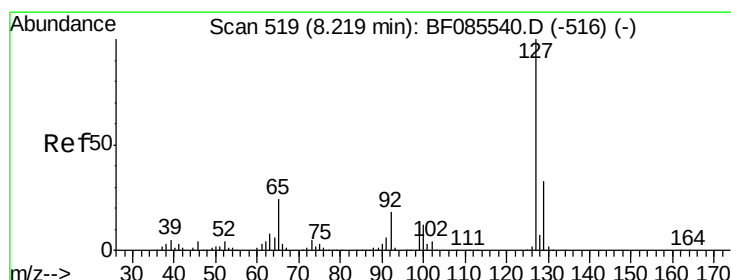
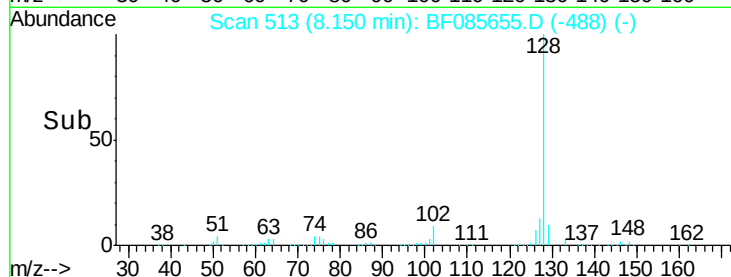
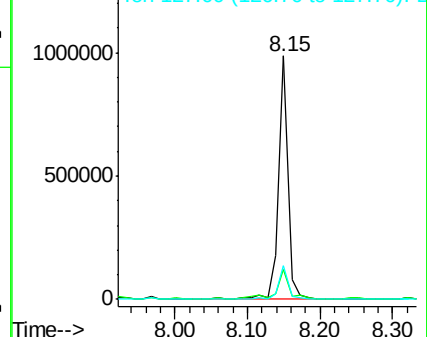
127 13.8 11.0 16.6



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: 13.05 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.07 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Tgt Ion:127 Resp: 133078

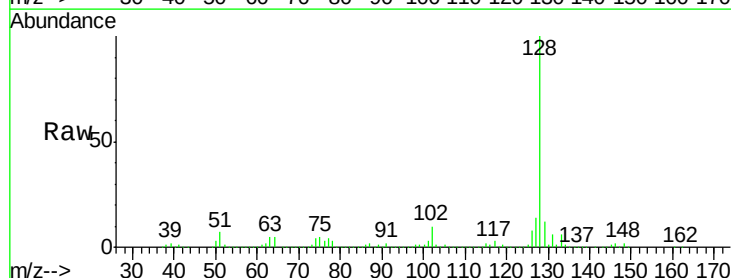
Ion Ratio Lower Upper

127 100

129 90.0 26.1 39.1#

65 0.0 19.5 29.3#

92 1.4 14.6 22.0#

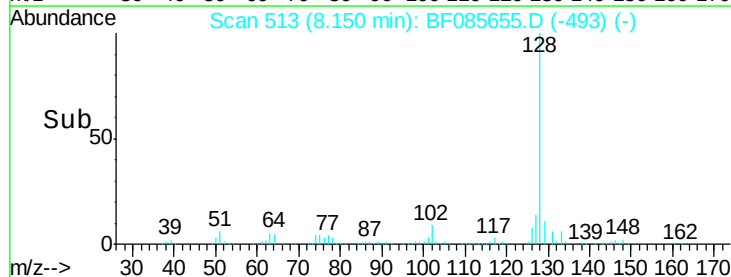
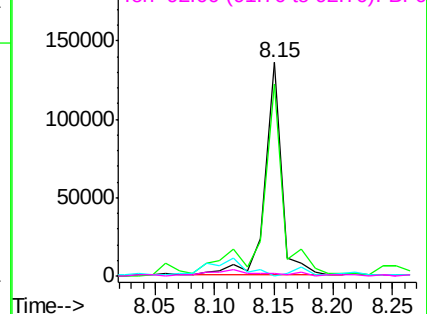


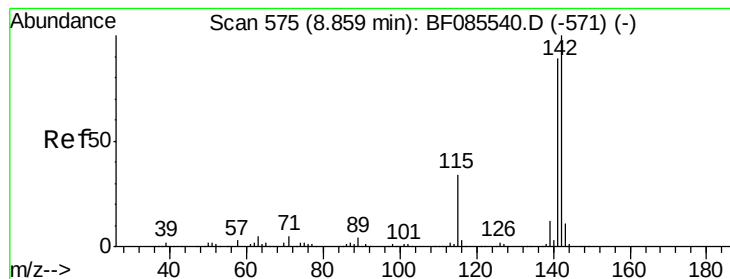
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 32.86 ng

RT: 8.85 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampleId :

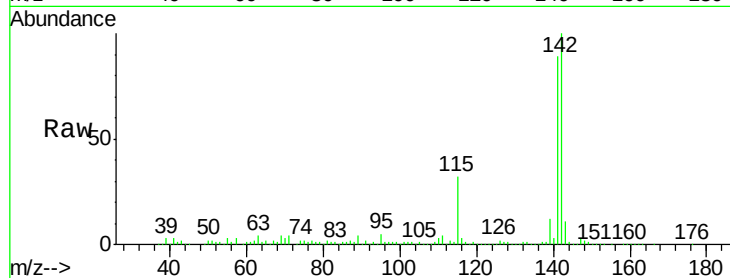
Tot Ion:142 Resp: 498272

Ion Ratio Lower Upper

142 100

141 88.8 71.6 107.4

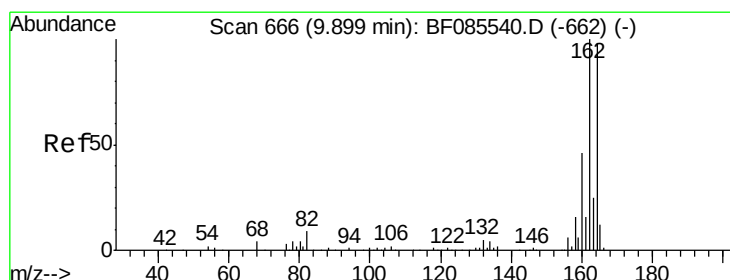
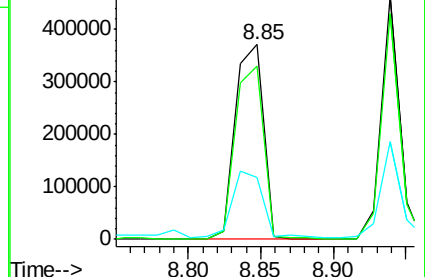
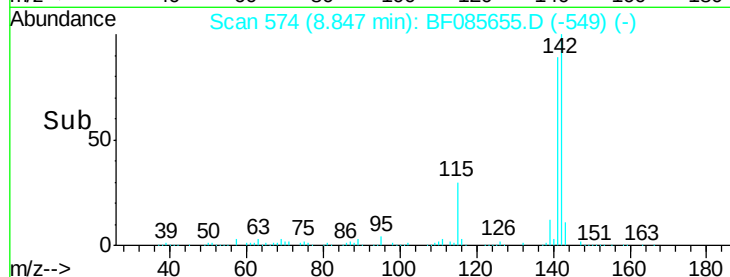
115 31.7 26.8 40.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

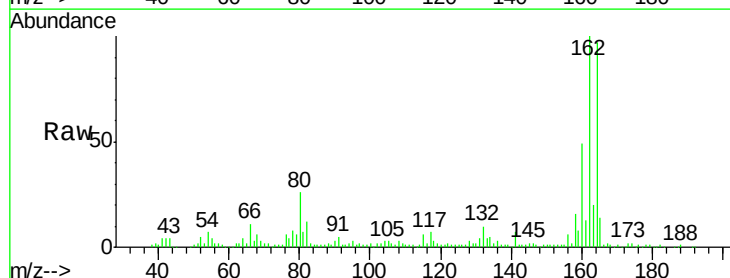
Tgt Ion:164 Resp: 201415

Ion Ratio Lower Upper

164 100

162 103.3 82.1 123.1

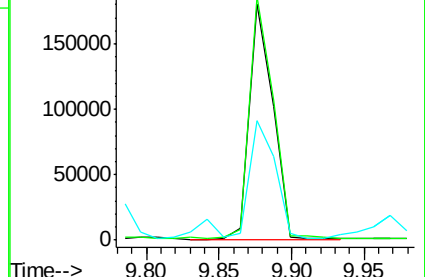
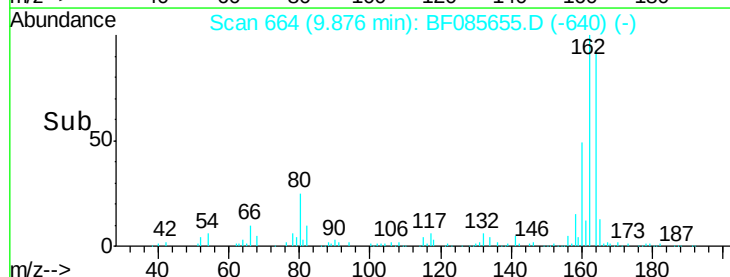
160 50.8 37.4 56.2

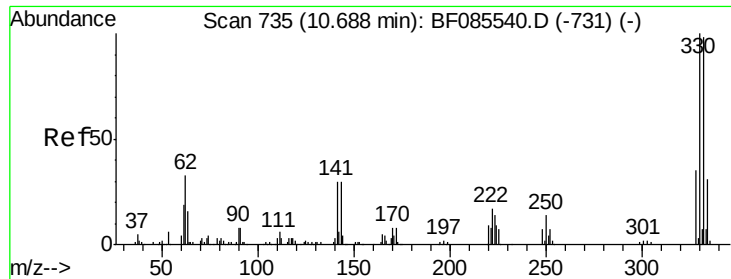


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

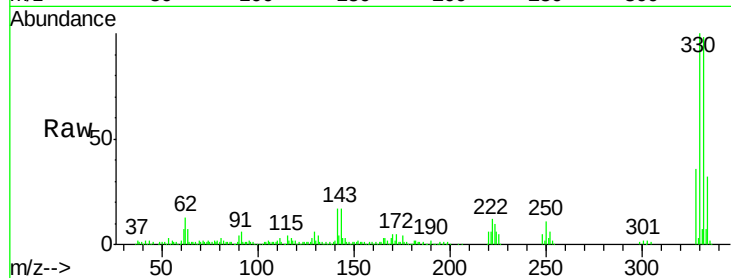




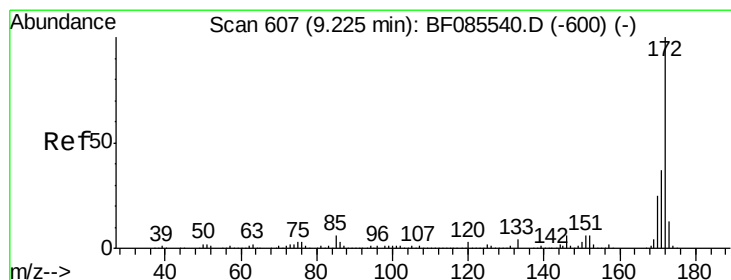
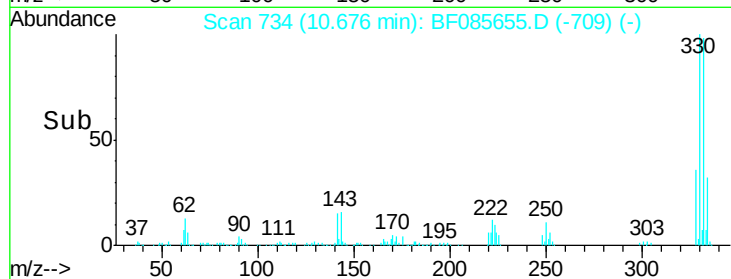
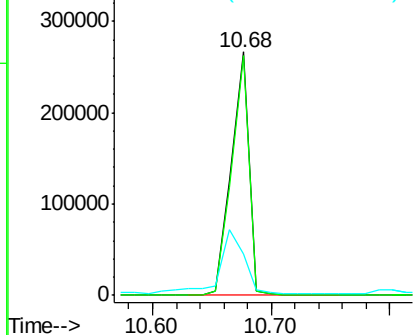
#41
 2,4,6-Tribromophenol
 Concen: 140.46 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.2
141	37.7	31.5	47.3

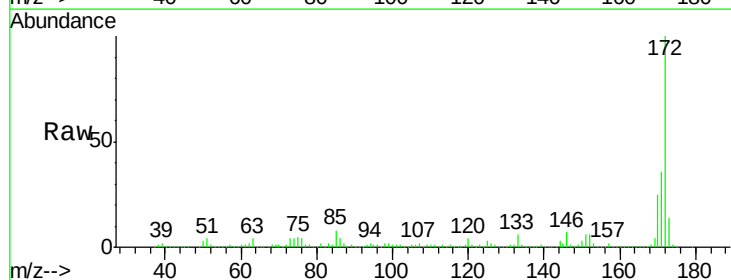


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

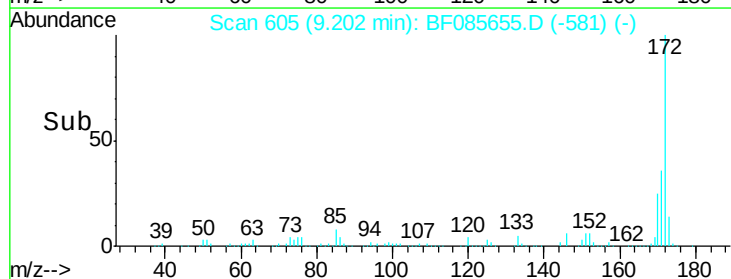
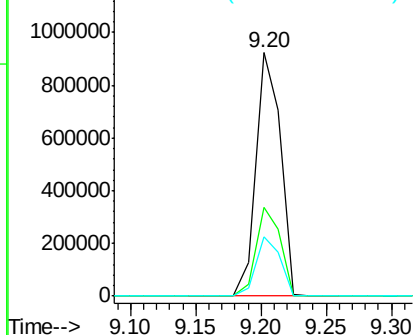


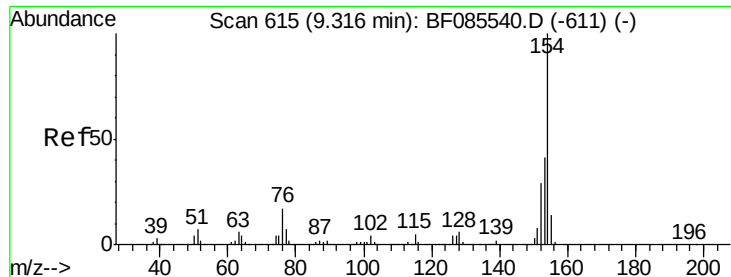
#44
 2-Fluorobiphenyl
 Concen: 111.34 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.2
170	24.5	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





#45

1,1'-Biphenyl

Concen: 2.15 ng

RT: 9.30 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampled :

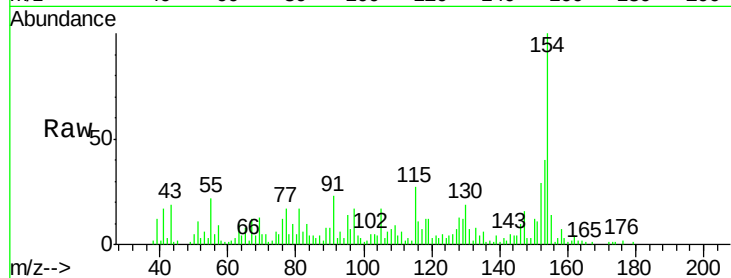
Tot Ion:154 Resp: 37397

Ion Ratio Lower Upper

154 100

153 40.0 20.8 60.8

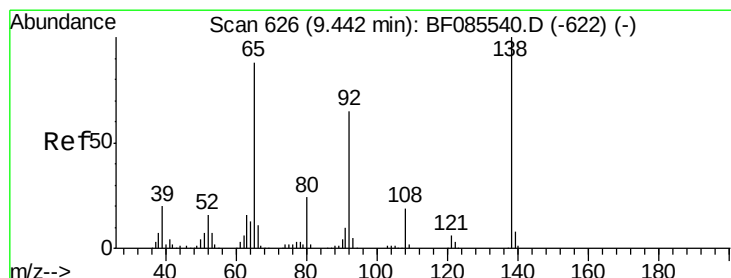
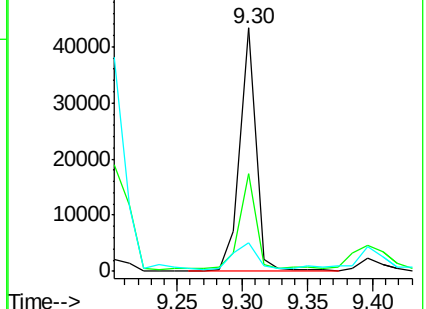
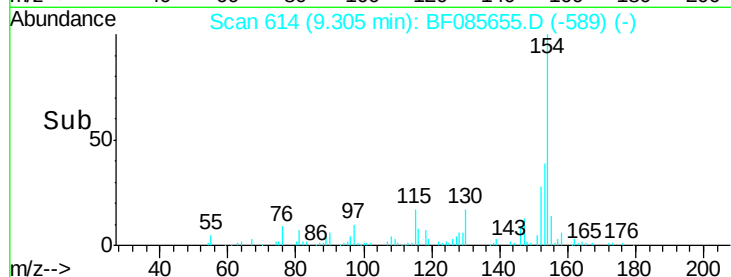
76 12.0 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#47

2-Nitroaniline

Concen: 2.73 ng

RT: 9.46 min Scan# 628

Delta R.T. 0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

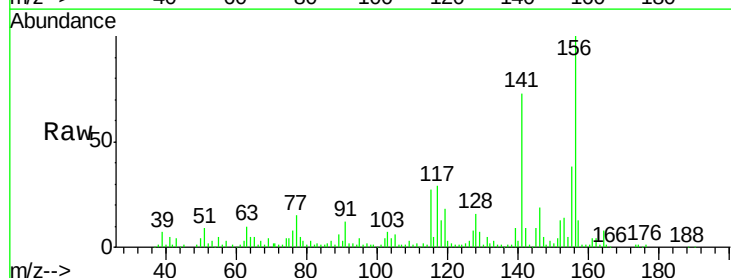
Tgt Ion: 65 Resp: 10496

Ion Ratio Lower Upper

65 100

92 30.2 59.7 89.5#

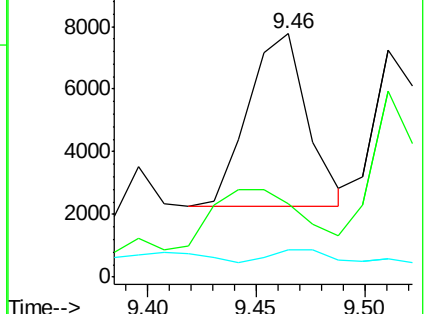
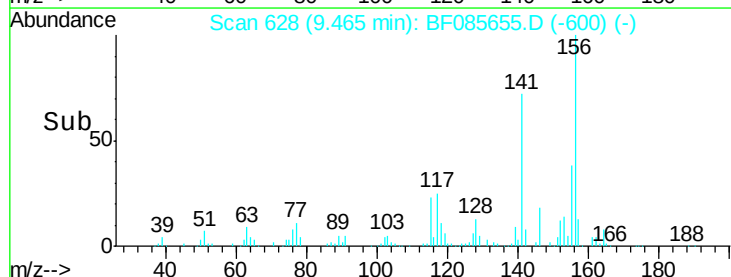
138 11.2 91.4 137.0#

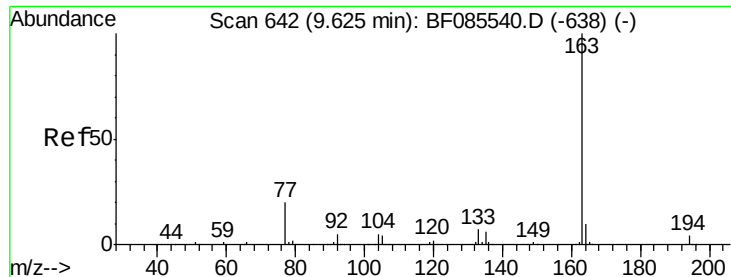


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E

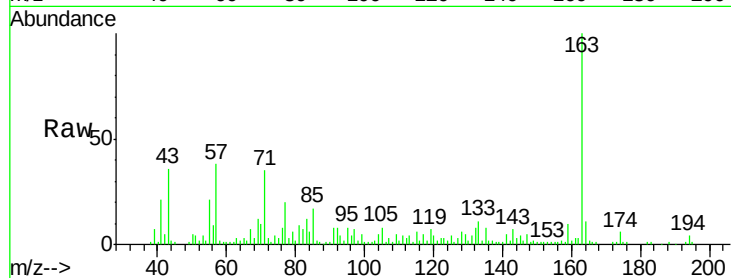




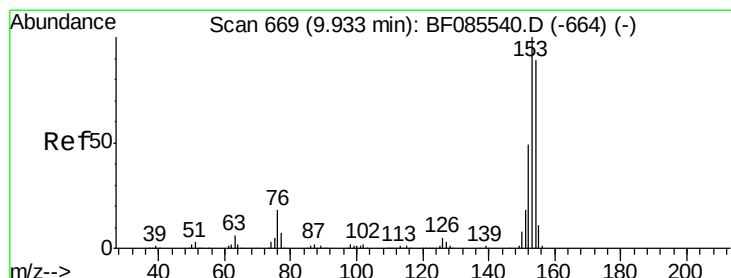
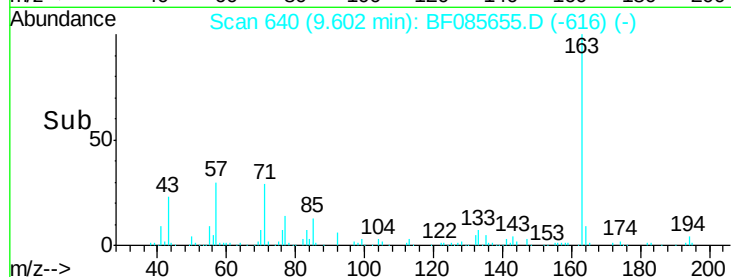
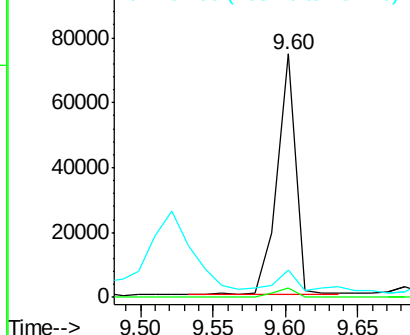
#49
Dimethylphthalate
Concen: 4.36 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF085655.D
Acq: 22 Mar 2016 8:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	11.1	8.3	12.5

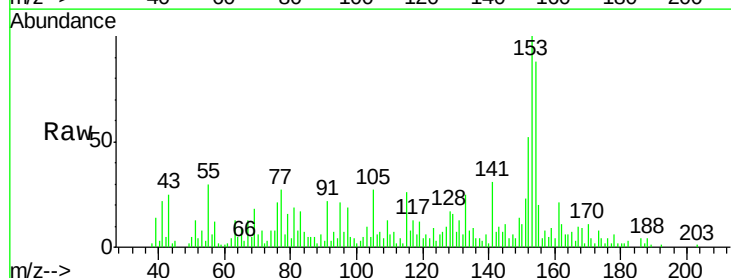


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

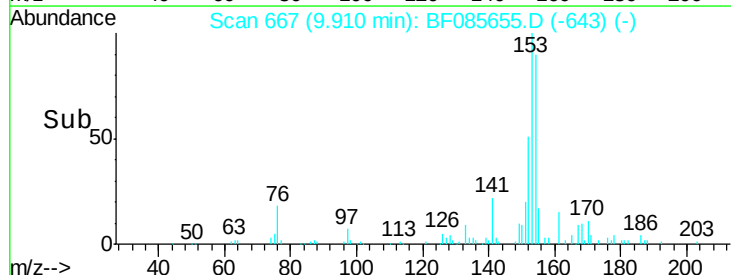
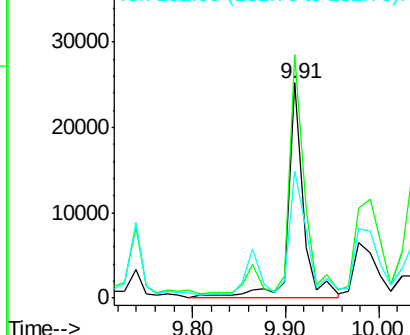


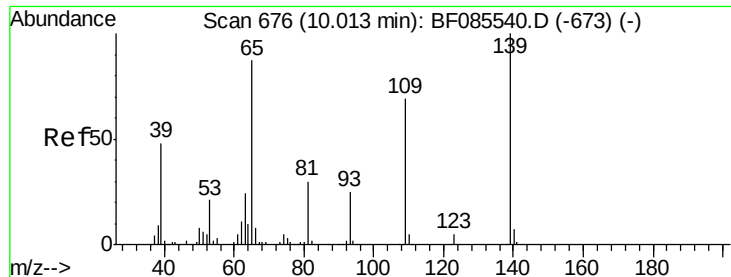
#51
Acenaphthene
Concen: 2.18 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF085655.D
Acq: 22 Mar 2016 8:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.1	135.1
152	58.9	44.2	66.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

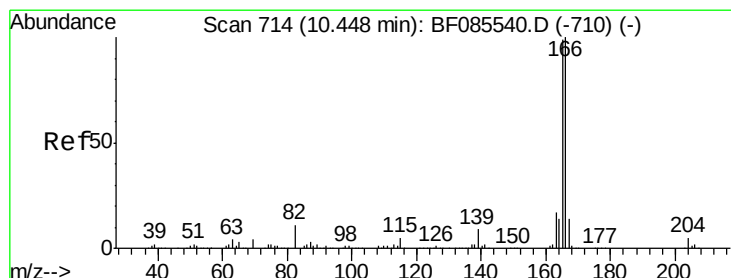
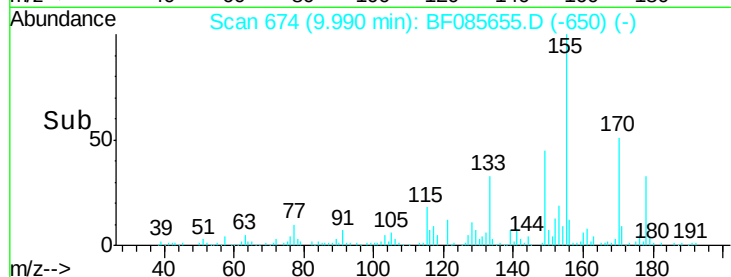
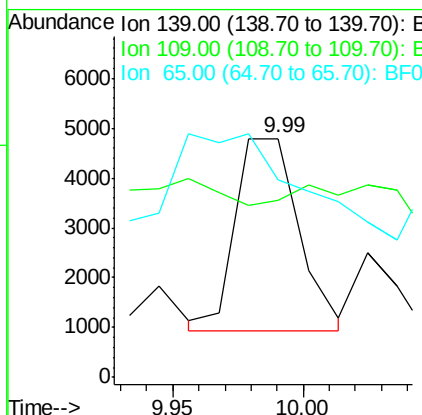
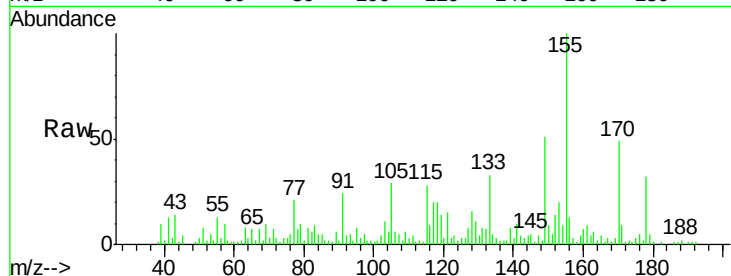




#55
4-Nitrophenol
Concen: 2.10 na
RT: 9.99 min Scan# 674
Delta R.T. -0.02 min
Lab File: BF085655.D
Acq: 22 Mar 2016 8:58

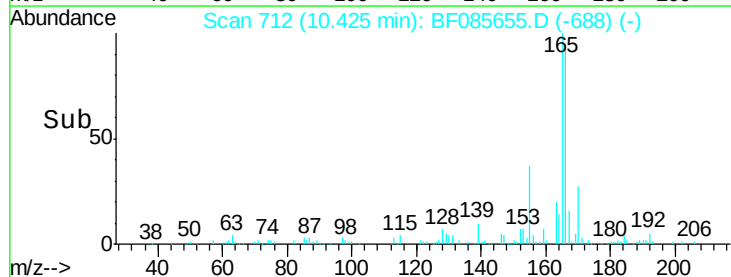
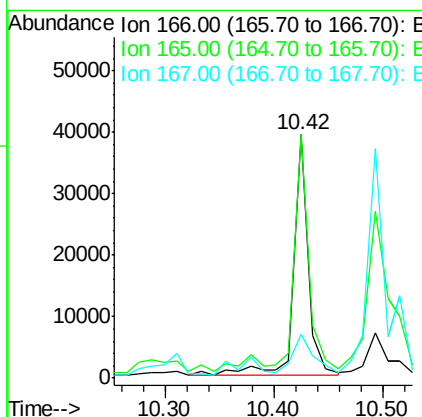
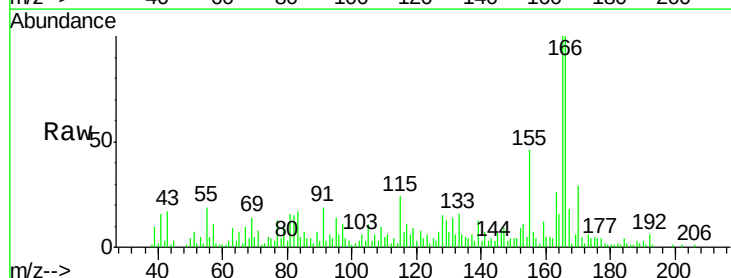
Instrument :
BNA_F
ClientSampled :

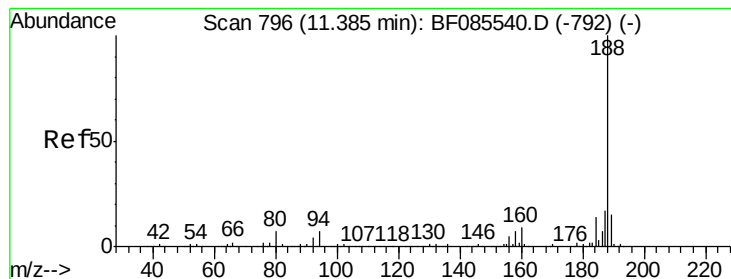
Tot Ion:139 Resp: 6537
Ion Ratio Lower Upper
139 100
109 74.2 49.2 89.2
65 82.8 66.9 106.9



#57
Fluorene
Concen: 2.89 ng
RT: 10.42 min Scan# 712
Delta R.T. -0.02 min
Lab File: BF085655.D
Acq: 22 Mar 2016 8:58

Tgt Ion:166 Resp: 37775
Ion Ratio Lower Upper
166 100
165 100.2 79.4 119.0
167 18.2 11.0 16.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampled :

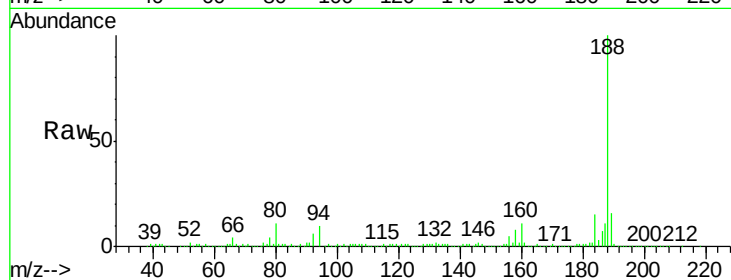
Tot Ion:188 Resp: 323222

Ion Ratio Lower Upper

188 100

94 10.5 5.4 8.0#

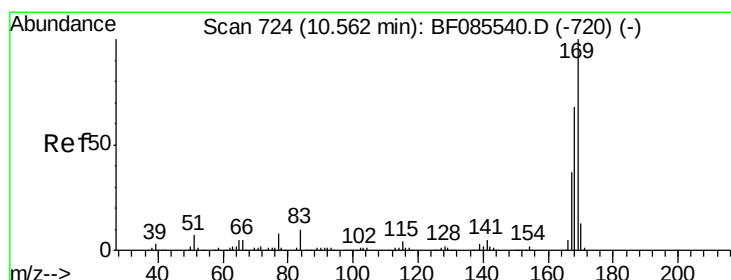
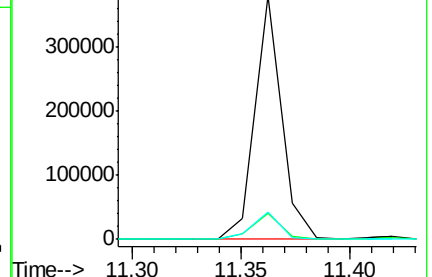
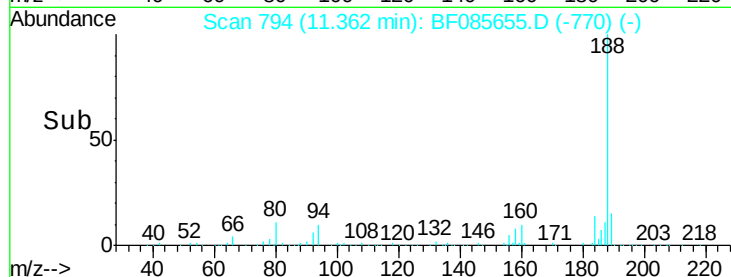
80 11.3 5.5 8.3#



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



#65

n-Nitrosodiphenylamine

Concen: 2.65 ng

RT: 10.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

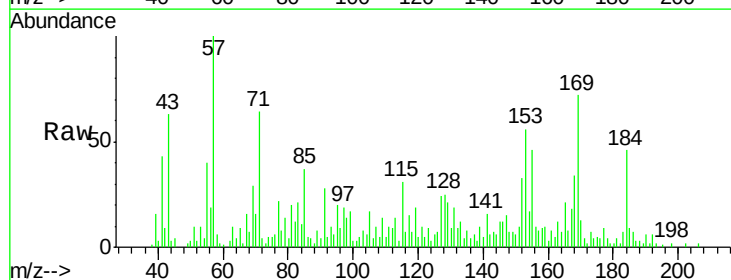
Tgt Ion:169 Resp: 26698

Ion Ratio Lower Upper

169 100

168 47.5 54.4 81.6#

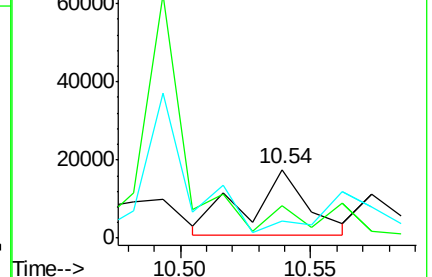
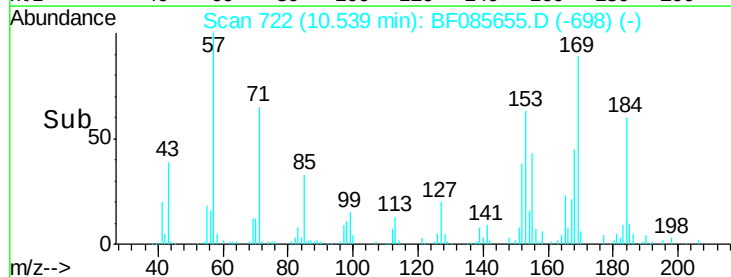
167 24.9 29.4 44.0#

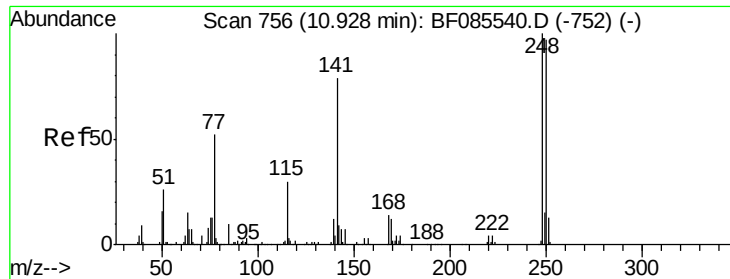


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

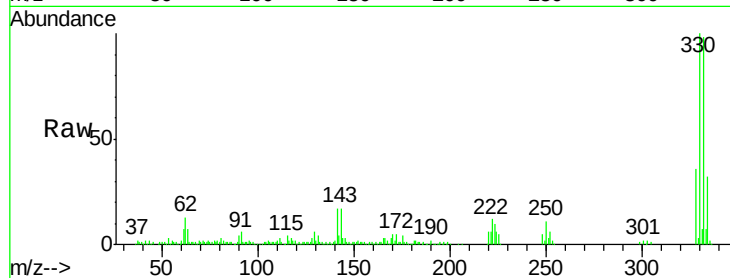




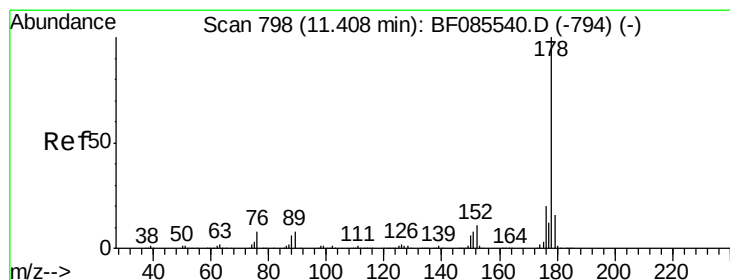
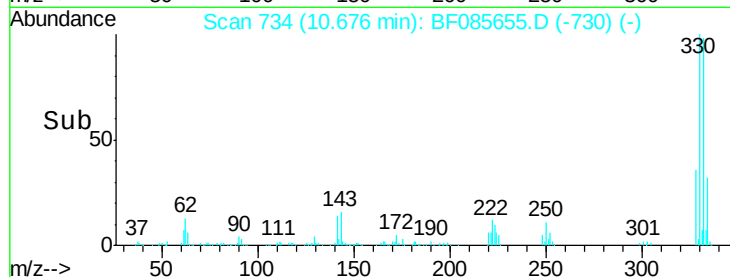
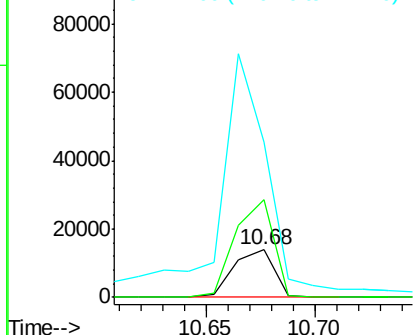
#66
 4-Bromophenyl-phenylether
 Concen: 5.51 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.25 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17784
 Ion Ratio Lower Upper
 248 100
 250 205.4 77.4 116.0#
 141 326.7 63.6 95.4#

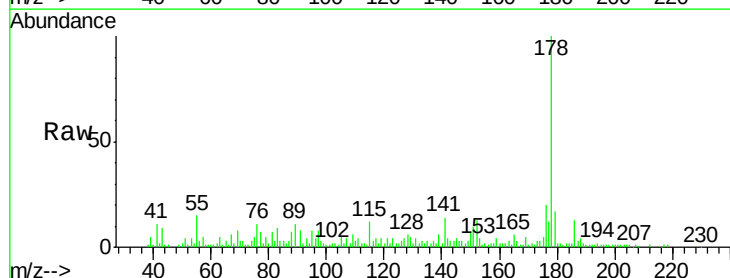


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

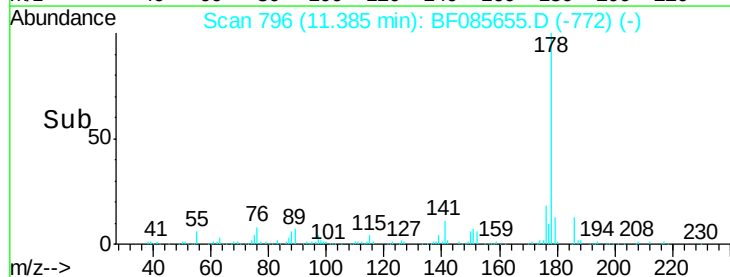
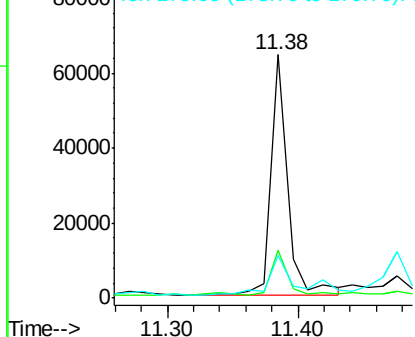


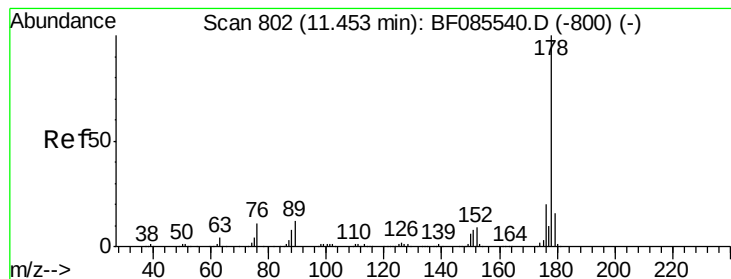
#70
 Phenanthrene
 Concen: 3.39 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Tgt Ion:178 Resp: 57723
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 17.4 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.23 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.07 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

Instrument :

BNA_F

ClientSampleId :

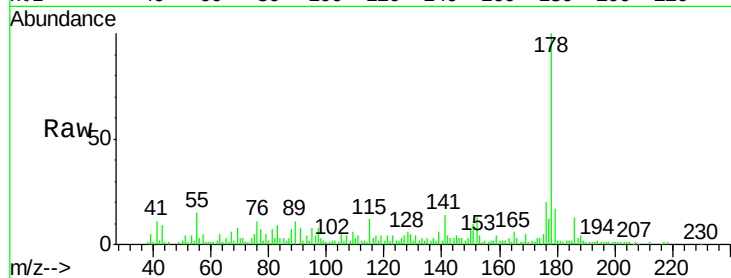
Tot Ion:178 Resp: 57723

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

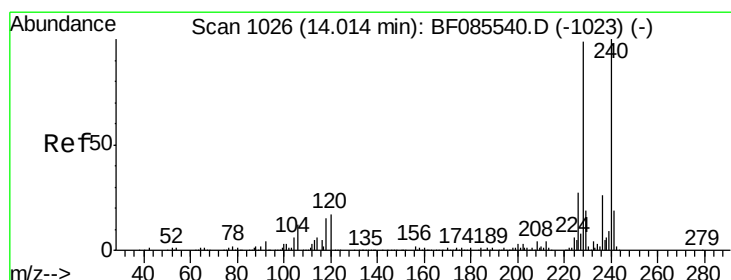
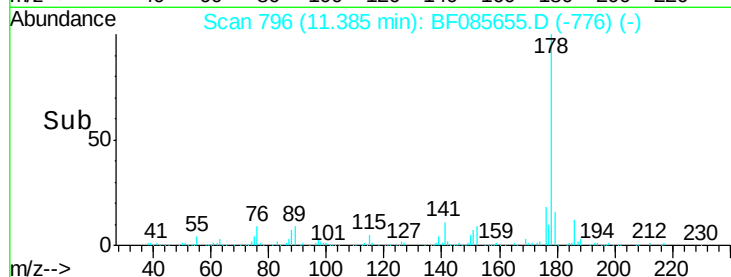
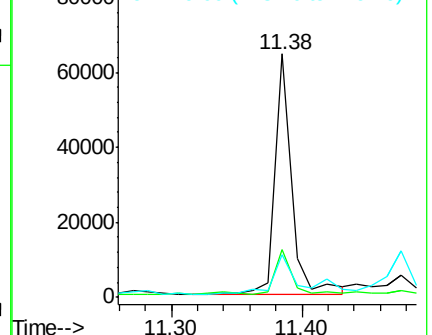
179 17.4 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085655.D

Acq: 22 Mar 2016 8:58

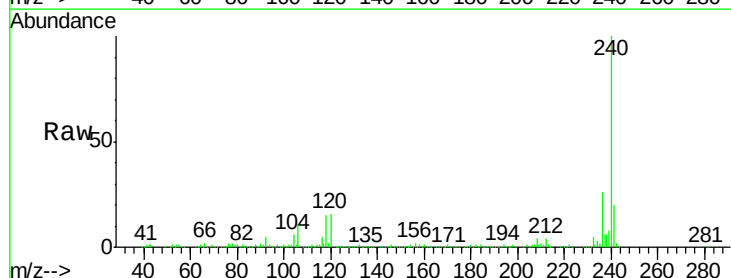
Tgt Ion:240 Resp: 250046

Ion Ratio Lower Upper

240 100

120 16.5 13.8 20.8

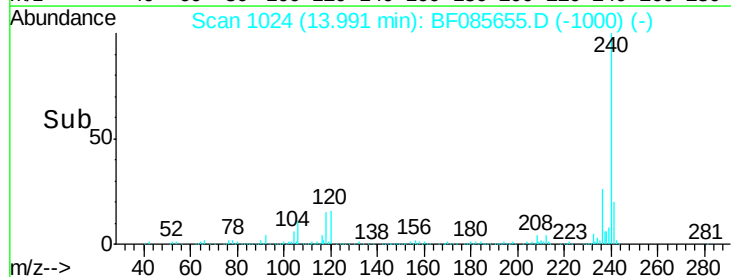
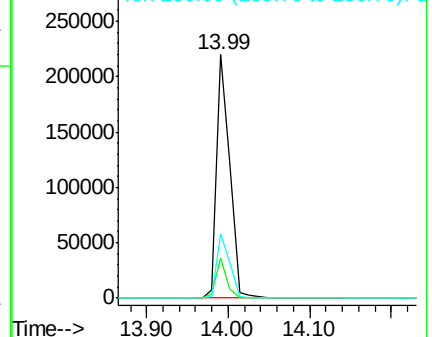
236 26.4 20.6 30.8

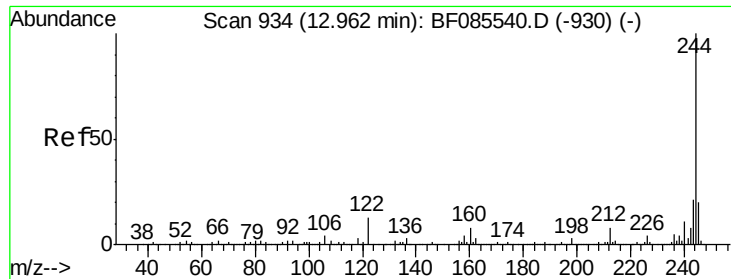


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

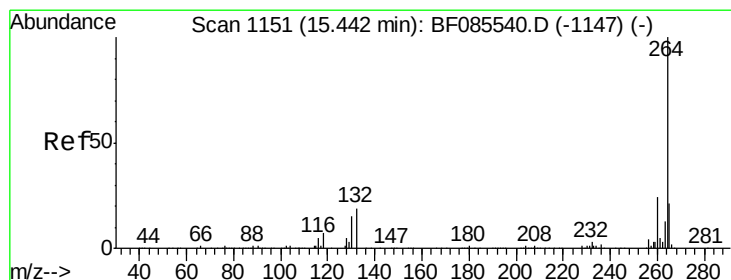
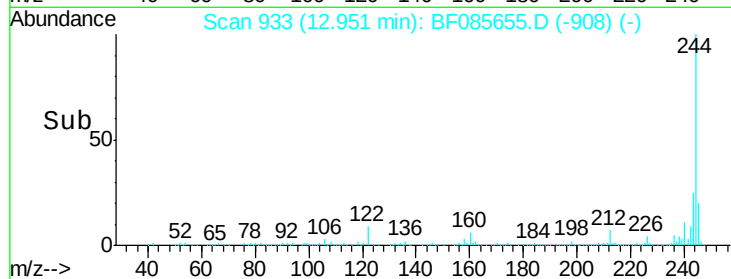
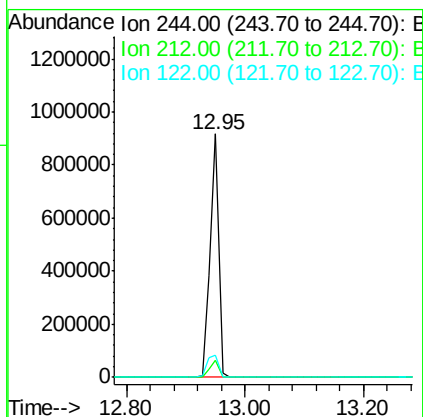
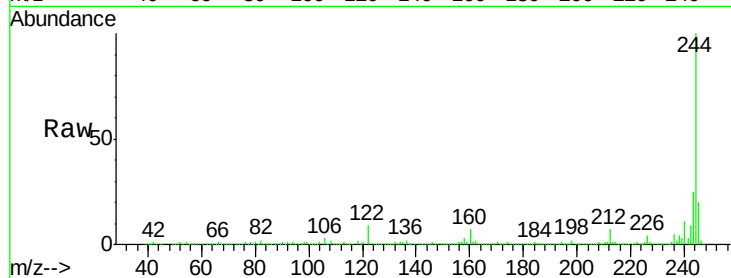




#78
 Terphenyl-d14
 Concen: 88.16 ng
 RT: 12.95 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 916093
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 9.2 10.2 15.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1149
 Delta R.T. -0.02 min
 Lab File: BF085655.D
 Acq: 22 Mar 2016 8:58

Tgt Ion:264 Resp: 246620
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.2
 265 21.1 17.2 25.8

