

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030916\
 Data File : BF085302.D
 Acq On : 9 Mar 2016 16:44
 Operator : UM/SJ
 Sample : H1623-03RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-30-022516

Quant Time: Mar 09 23:49:48 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

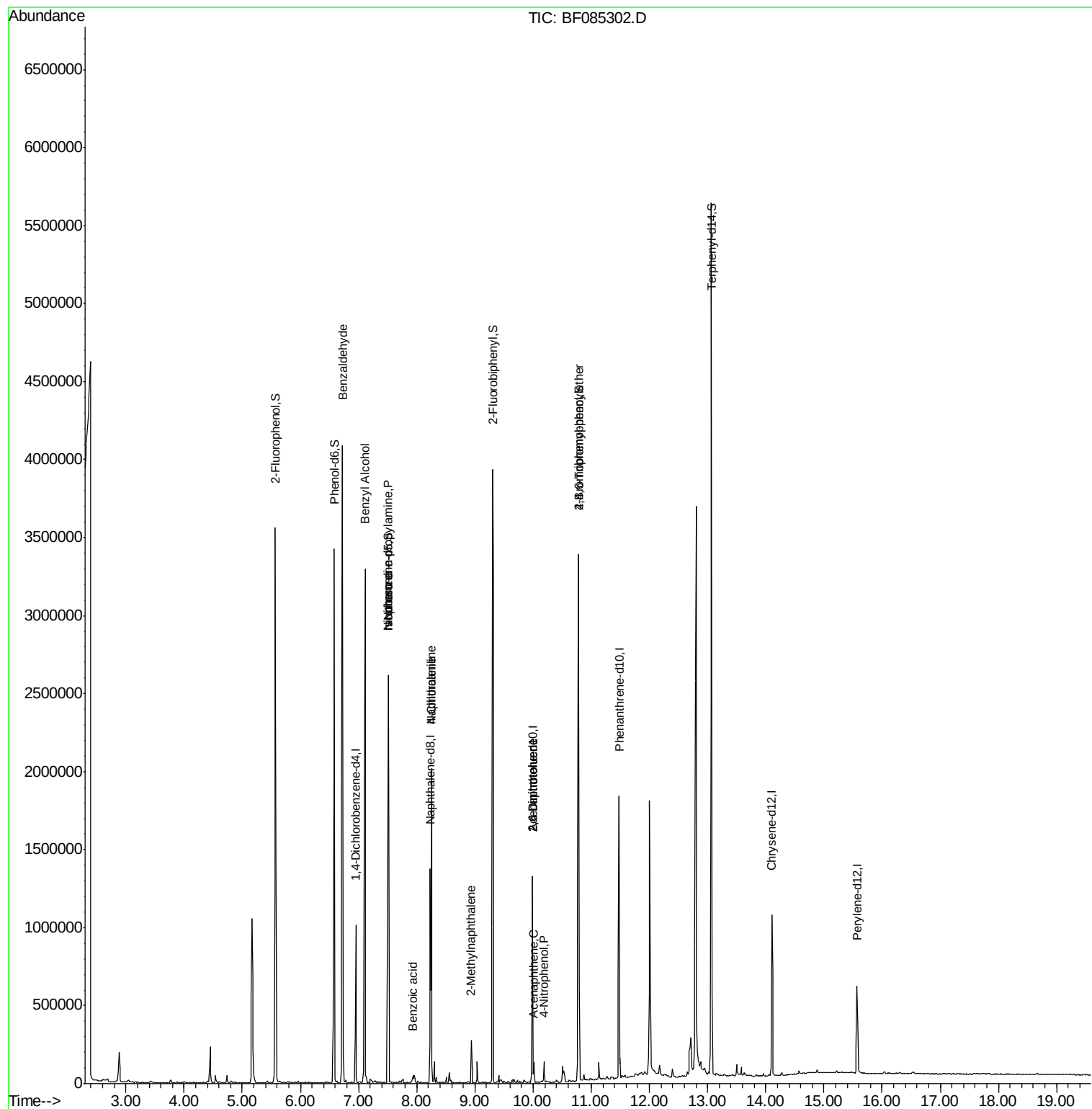
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	156397	20.00	ng	-0.03
21) Naphthalene-d8	8.23	136	611629	20.00	ng	-0.03
38) Acenaphthene-d10	9.99	164	300102	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	681134	20.00	ng	-0.03
75) Chrysene-d12	14.11	240	439322	20.00	ng	-0.05
86) Perylene-d12	15.57	264	268160	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1359282	145.79	ng	-0.01
7) Phenol-d6	6.58	99	1528288	125.11	ng	-0.02
23) Nitrobenzene-d5	7.51	82	989772	86.60	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	470690	183.30	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1949994	98.82	ng	-0.05
78) Terphenyl-d14	13.07	244	1955912	103.35	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.72	77	29152	2.23	ng	86
15) Benzyl Alcohol	7.11	79	19198	2.14	ng	# 44
19) n-Nitroso-di-n-propylamine	7.51	70	130966	16.45	ng	# 78
25) Isophorone	7.51	82	724312	34.20	ng	# 67
31) Naphthalene	8.25	128	866376	28.81	ng	99
32) Benzoic acid	7.93	122	14156	2.06	ng	98
33) 4-Chloroaniline	8.25	127	115484	9.49	ng	# 31
37) 2-Methylnaphthalene	8.94	142	76924	3.99	ng	98
50) 2,6-Dinitrotoluene	9.99	165	38884	7.89	ng	# 26
51) Acenaphthene	10.01	154	37449	2.03	ng	95
55) 4-Nitrophenol	10.18	139	12641	2.73	ng	# 20
56) 2,4-Dinitrotoluene	9.99	165	39106	6.20	ng	# 22
66) 4-Bromophenyl-phenylether	10.78	248	31299	4.73	ng	# 1

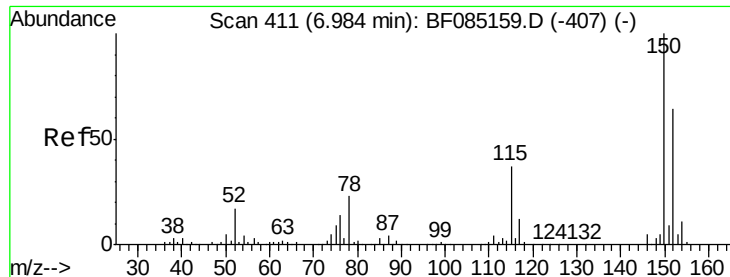
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

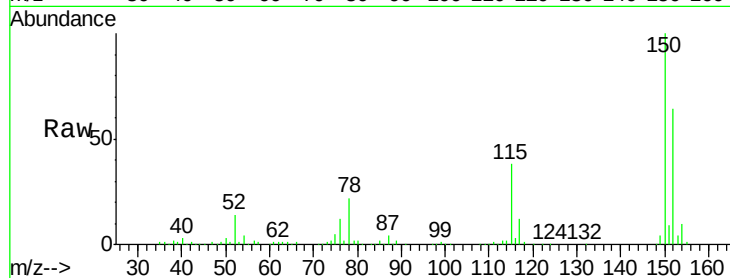
Tgt Ion:152 Resp: 156397

Ion Ratio Lower Upper

152 100

150 157.3 124.6 186.8

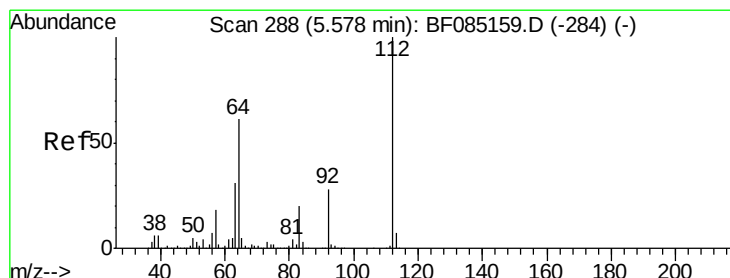
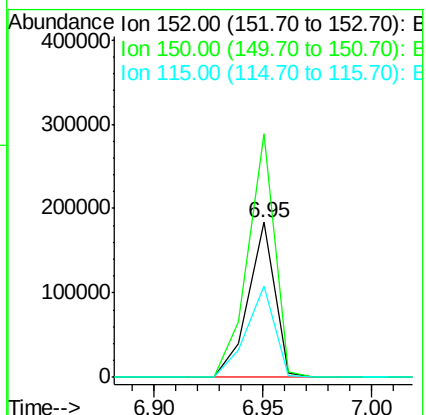
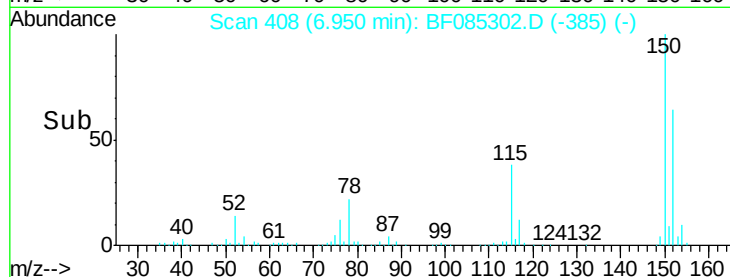
115 59.1 46.6 70.0



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: 145.79 ng

RT: 5.57 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

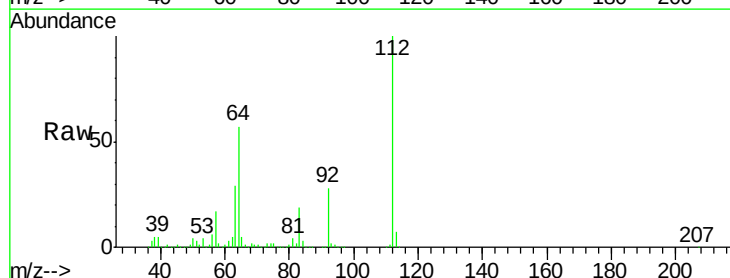
Tgt Ion:112 Resp: 1359282

Ion Ratio Lower Upper

112 100

64 57.2 49.0 73.4

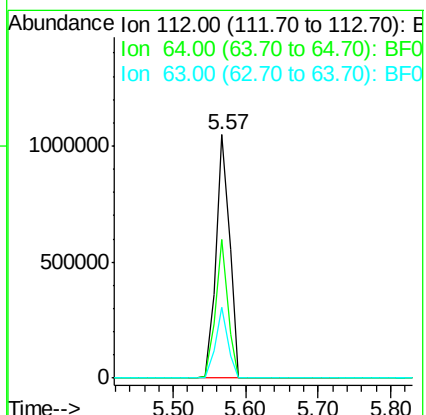
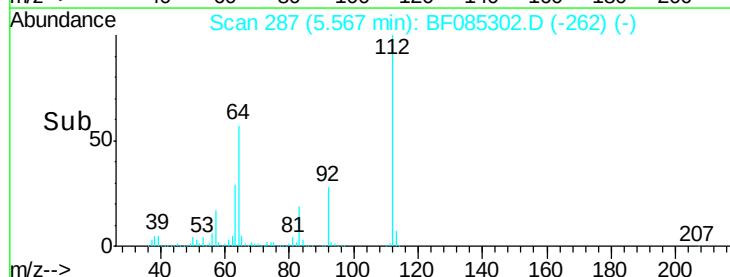
63 29.1 24.8 37.2

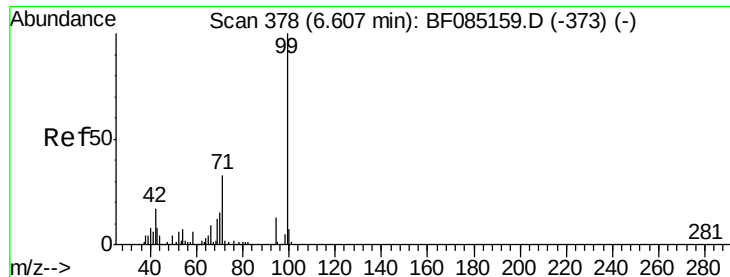


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.11 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

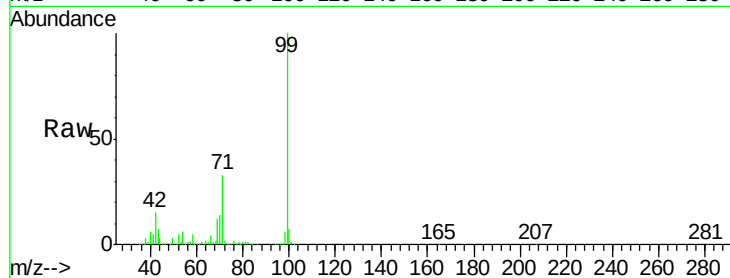
Tgt Ion: 99 Resp: 1528288

Ion Ratio Lower Upper

99 100

42 14.9 13.6 20.4

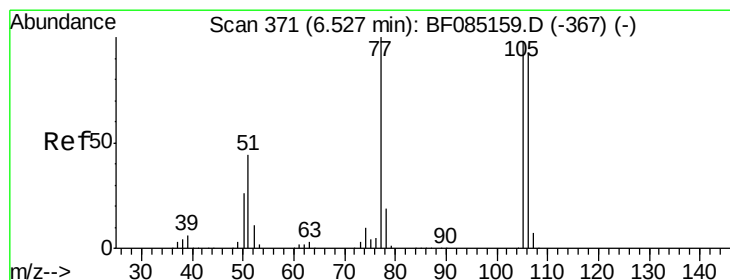
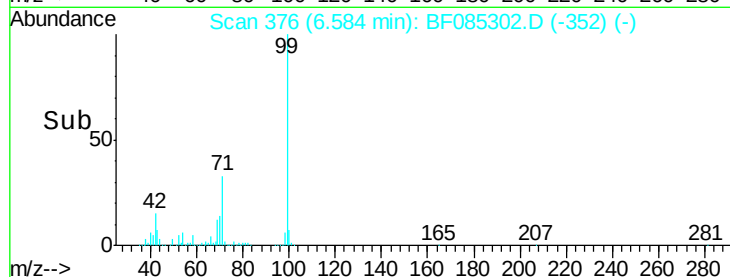
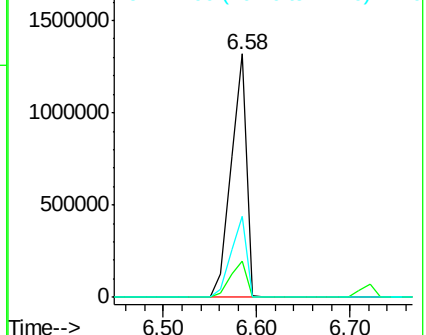
71 33.4 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.23 ng

RT: 6.72 min Scan# 388

Delta R.T. 0.19 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

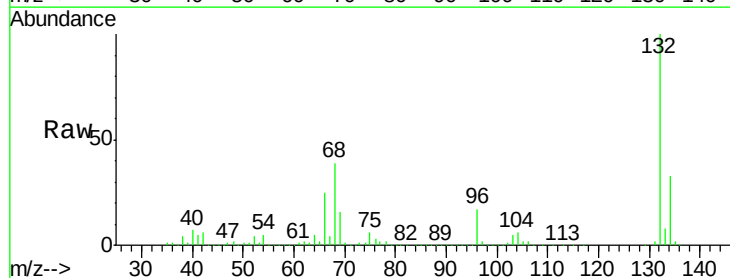
Tgt Ion: 77 Resp: 29152

Ion Ratio Lower Upper

77 100

105 83.8 78.2 118.2

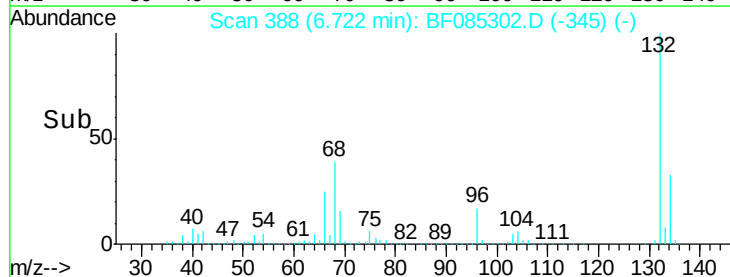
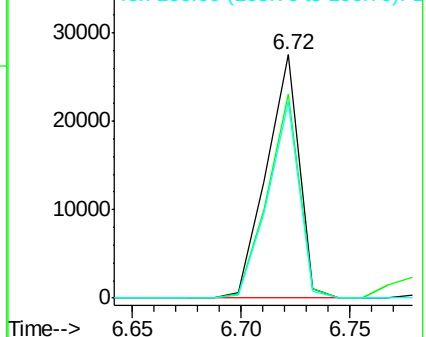
106 80.4 72.9 112.9

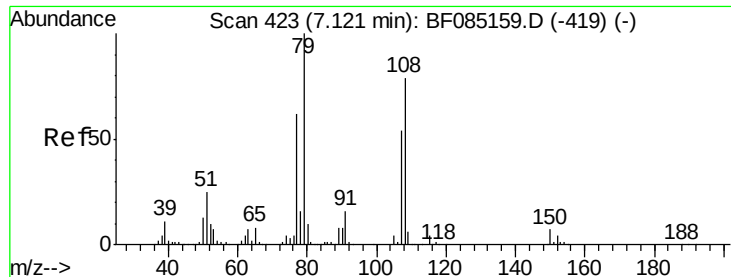


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.11 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

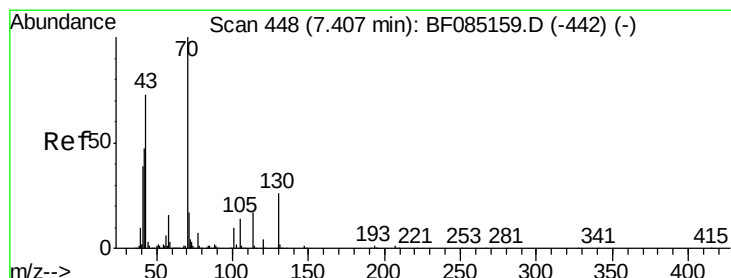
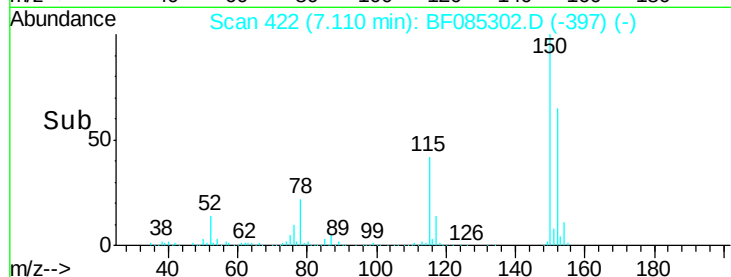
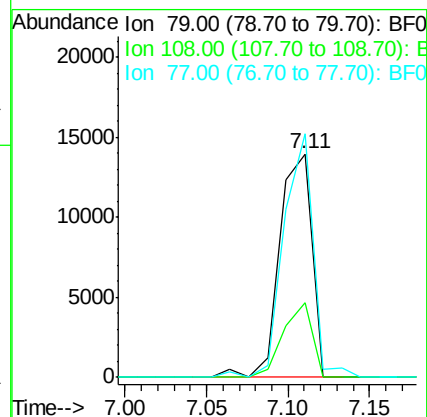
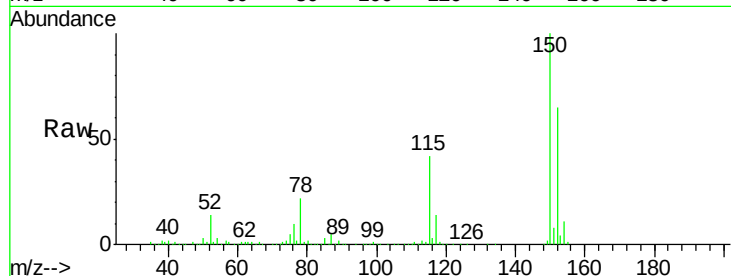
Tgt Ion: 79 Resp: 19198

Ion Ratio Lower Upper

79 100

108 33.4 62.9 94.3#

77 109.1 49.5 74.3#



#19

n-Nitroso-di-n-propylamine

Concen: 16.45 ng

RT: 7.51 min Scan# 457

Delta R.T. 0.10 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Tgt Ion: 70 Resp: 130966

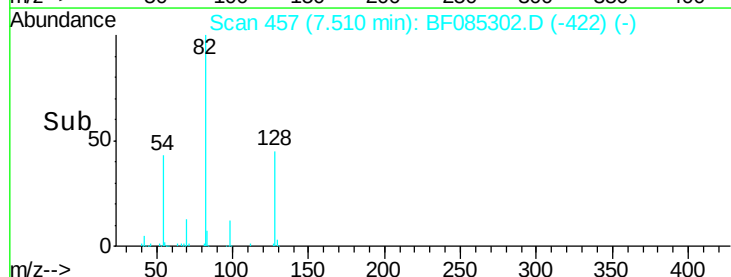
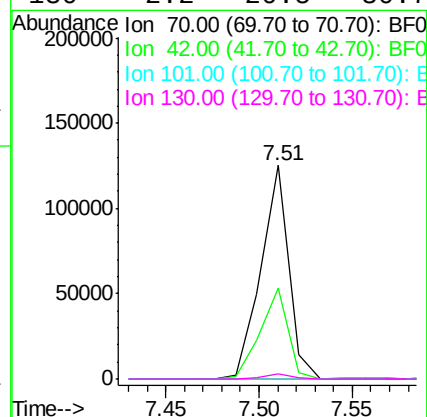
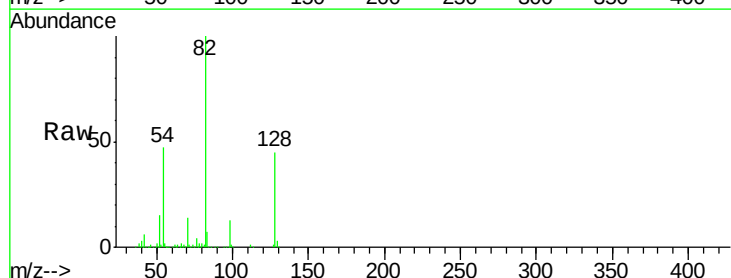
Ion Ratio Lower Upper

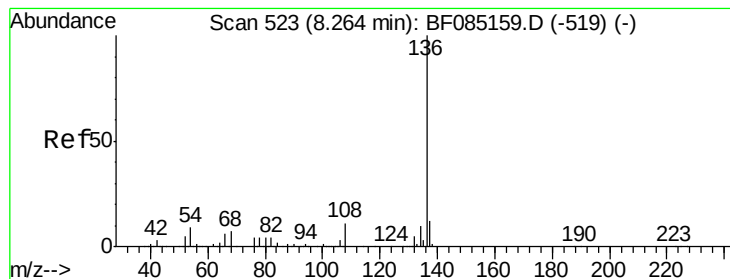
70 100

42 42.3 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: 8.23 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

Tgt Ion:136 Resp: 611629

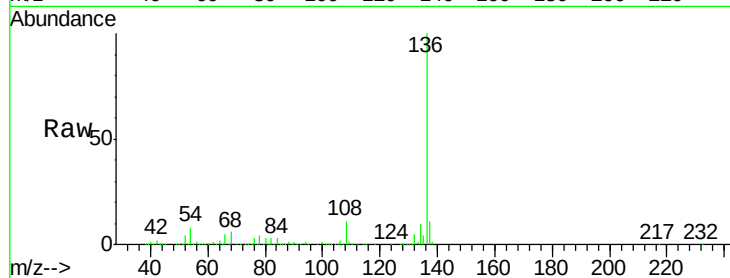
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 7.6 7.4 11.2

68 6.2 6.0 9.0

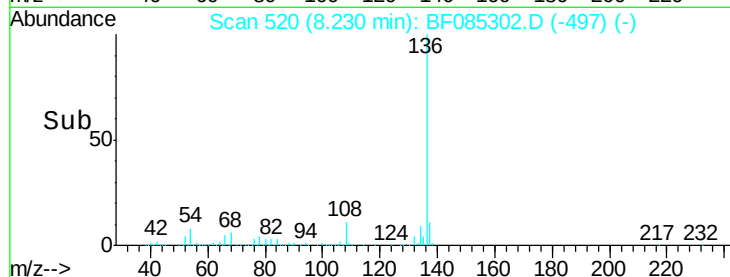


Abundance Ion 136.00 (135.70 to 136.70): E

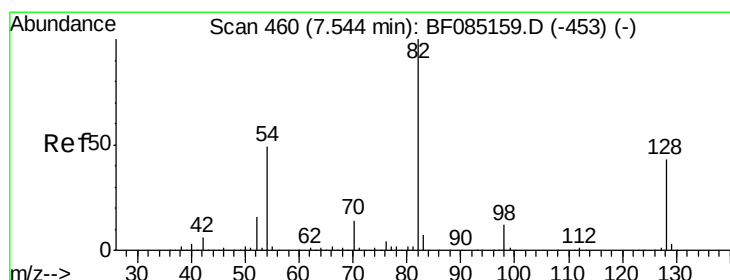
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.15 8.20 8.25



#23

Nitrobenzene-d5

Concen: 86.60 ng

RT: 7.51 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

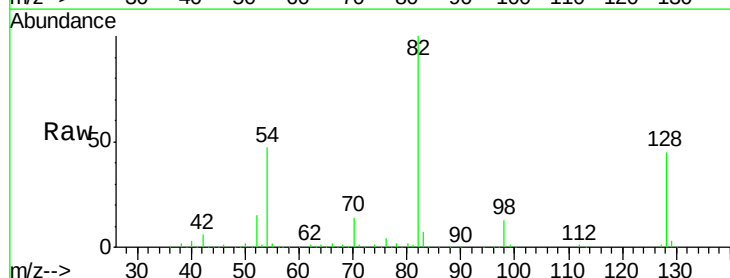
Tgt Ion: 82 Resp: 989772

Ion Ratio Lower Upper

82 100

128 45.4 34.5 51.7

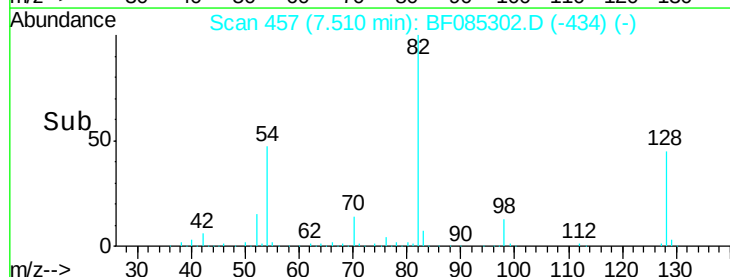
54 46.5 39.3 58.9



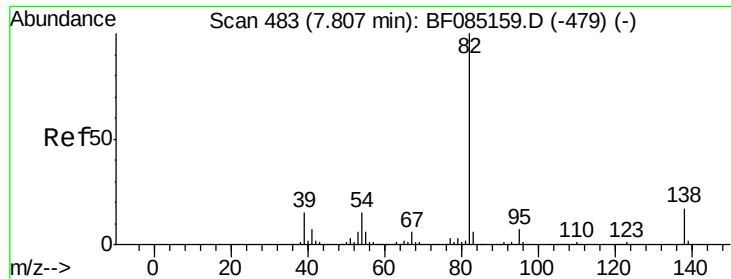
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.40 7.50 7.60



#25

Isophorone

Concen: 34.20 ng

RT: 7.51 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

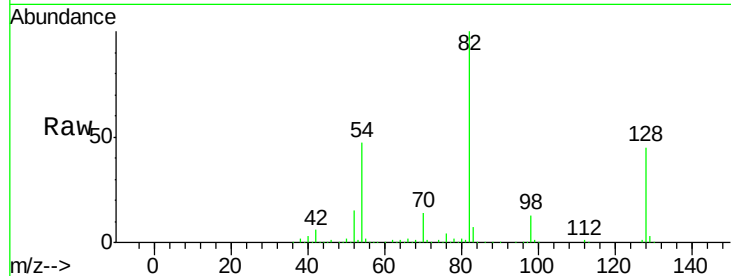
Tgt Ion: 82 Resp: 724312

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#

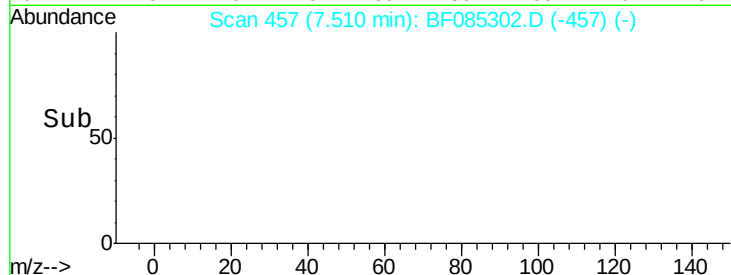


Abundance Ion 82.00 (81.70 to 82.70): BF085159.D (-479) (-)

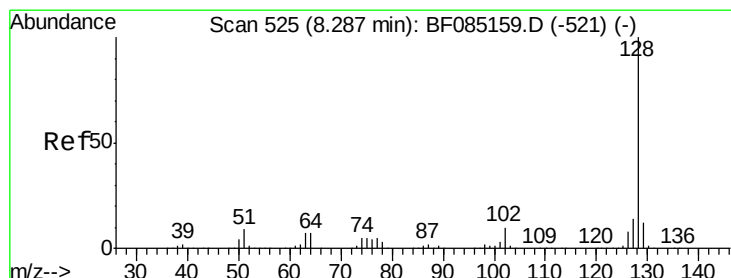
Ion 95.00 (94.70 to 95.70): BF085159.D (-479) (-)

Ion 138.00 (137.70 to 138.70): BF085159.D (-479) (-)

Time-->



Time-->



#31

Naphthalene

Concen: 28.81 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

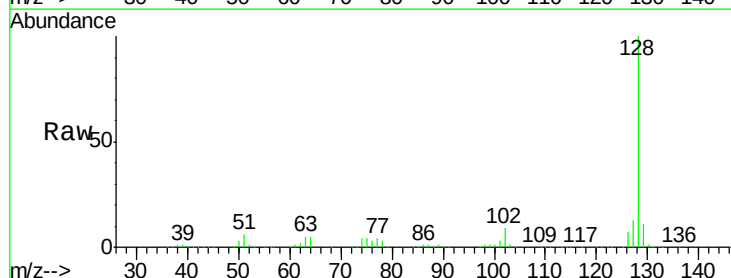
Tgt Ion: 128 Resp: 866376

Ion Ratio Lower Upper

128 100

129 11.5 9.7 14.5

127 13.5 11.2 16.8

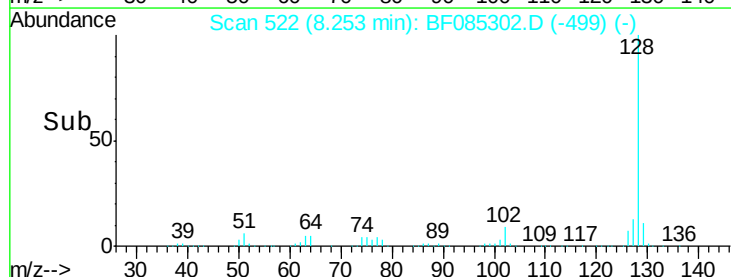


Abundance Ion 128.00 (127.70 to 128.70): BF085159.D (-521) (-)

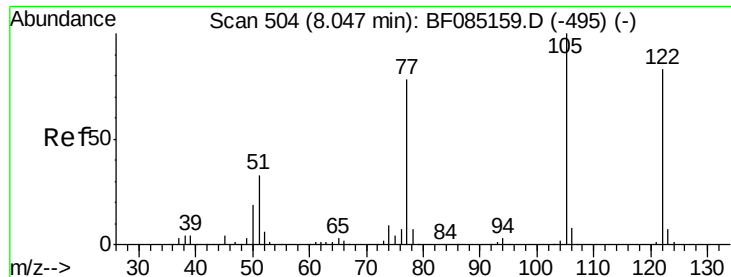
Ion 129.00 (128.70 to 129.70): BF085159.D (-521) (-)

Ion 127.00 (126.70 to 127.70): BF085159.D (-521) (-)

Time-->



Time-->



#32

Benzoic acid

Concen: 2.06 ng

RT: 7.93 min Scan# 494

Delta R.T. -0.11 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

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HSR-WC-30-022516

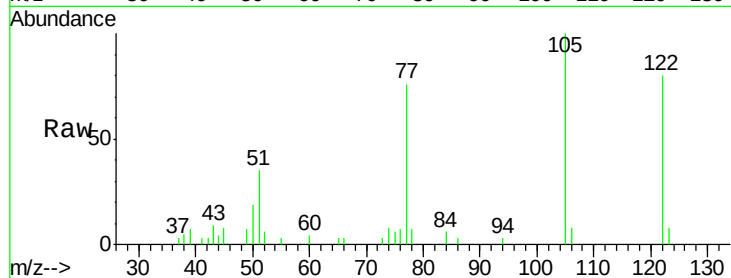
Tgt Ion:122 Resp: 14156

Ion Ratio Lower Upper

122 100

105 124.8 101.3 141.3

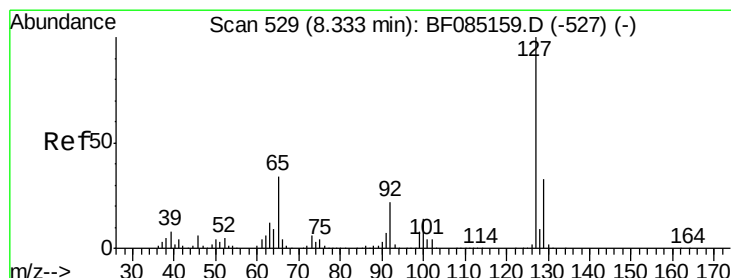
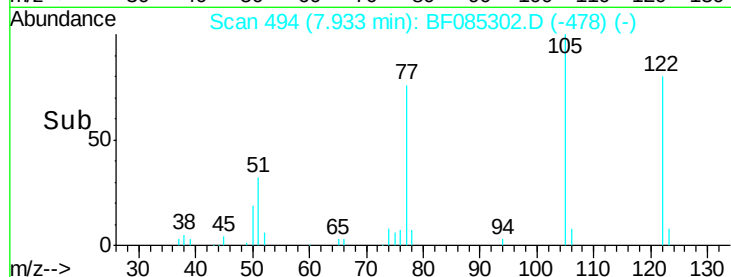
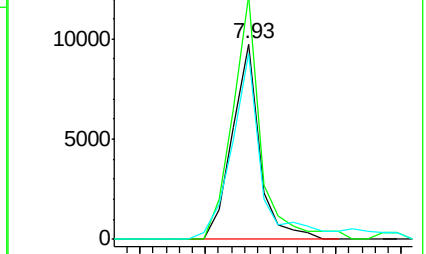
77 95.4 74.7 114.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 9.49 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.08 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Tgt Ion:127 Resp: 115484

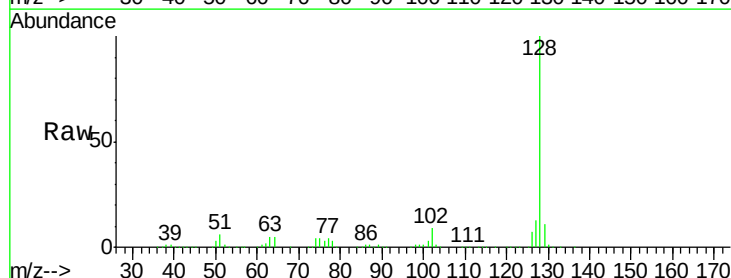
Ion Ratio Lower Upper

127 100

129 85.2 26.1 39.1#

65 0.0 27.0 40.6#

92 0.0 17.4 26.0#

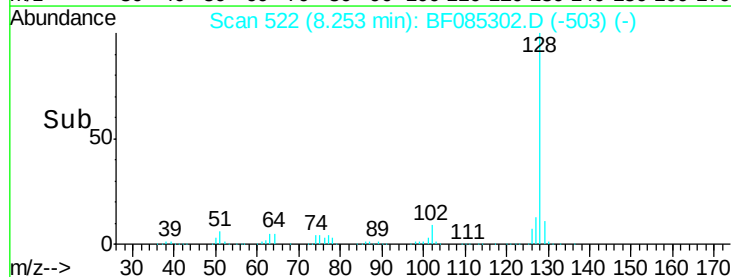
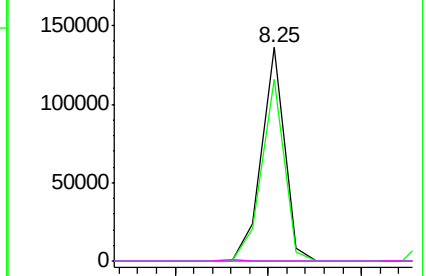


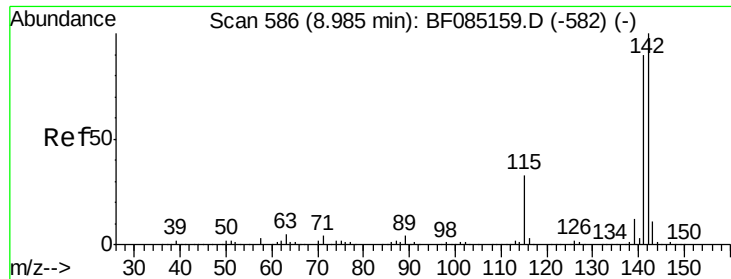
Abundance Ion 127.00 (126.70 to 127.70): E

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

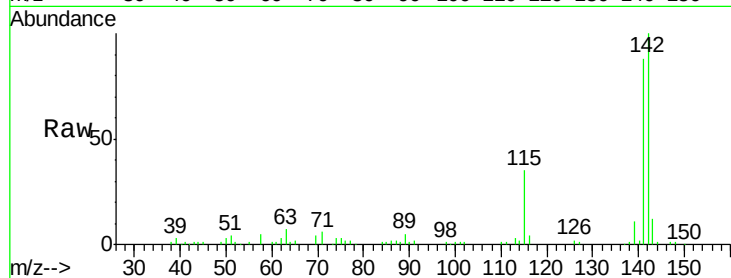




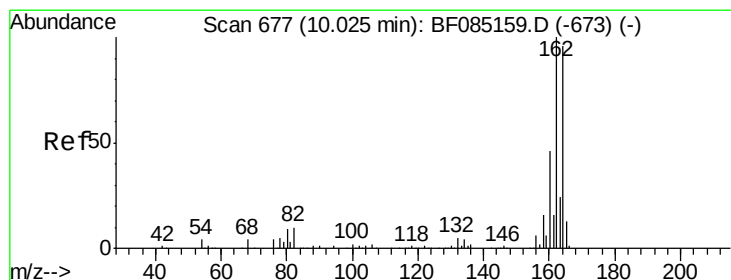
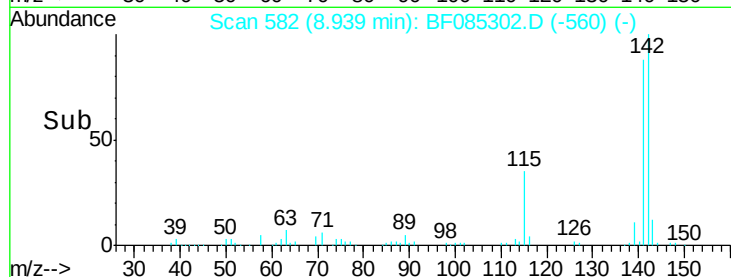
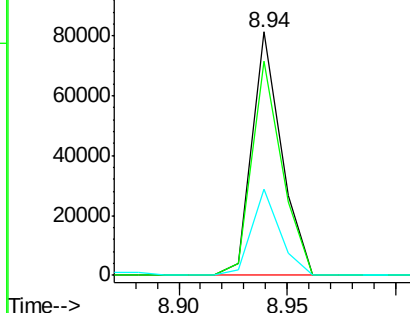
#37
 2-Methylnaphthalene
 Concen: 3.99 ng
 RT: 8.94 min Scan# 582
 Delta R.T. -0.05 min
 Lab File: BF085302.D
 Acq: 9 Mar 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-30-022516

Tgt Ion:142 Resp: 76924
 Ion Ratio Lower Upper
 142 100
 141 88.1 71.7 107.5
 115 35.2 26.2 39.4

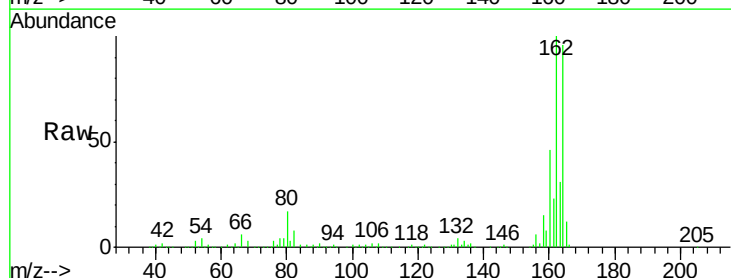


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

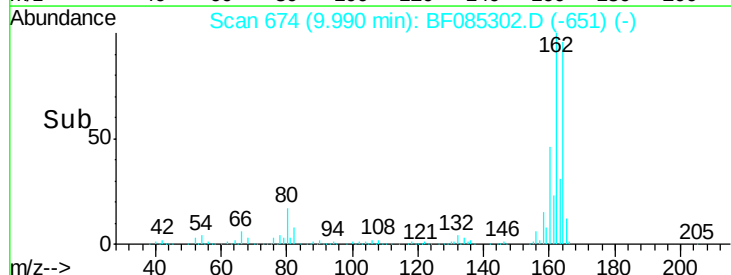
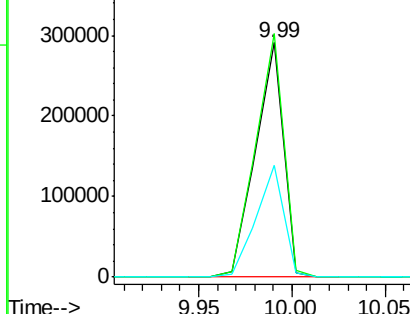


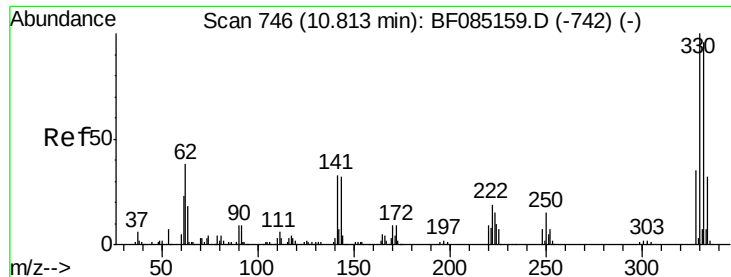
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF085302.D
 Acq: 9 Mar 2016 16:44

Tgt Ion:164 Resp: 300102
 Ion Ratio Lower Upper
 164 100
 162 104.0 83.3 124.9
 160 47.6 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

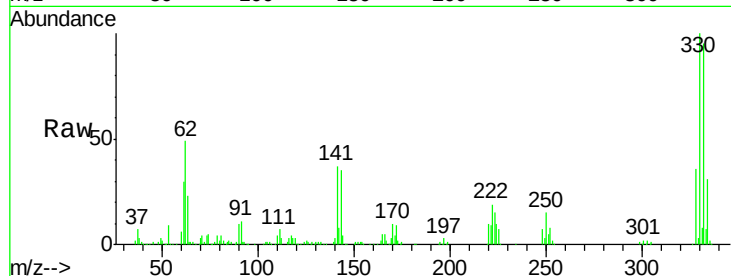




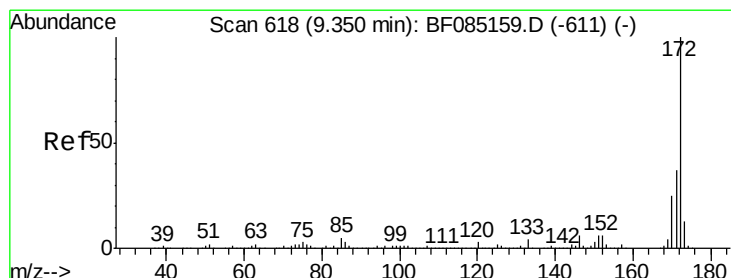
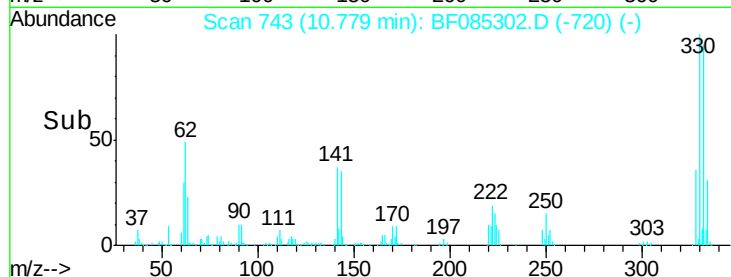
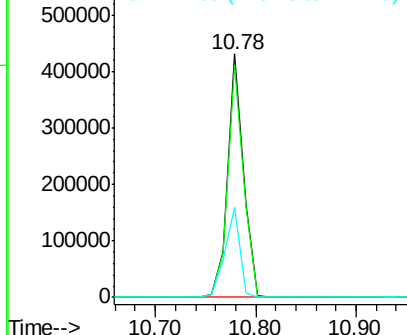
#41
 2,4,6-Tribromophenol
 Concen: 183.30 ng
 RT: 10.78 min Scan# 743
 Delta R.T. -0.03 min
 Lab File: BF085302.D
 Acq: 9 Mar 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-30-022516

Tgt Ion:330 Resp: 470690
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.1 115.7
 141 35.1 35.0 52.6

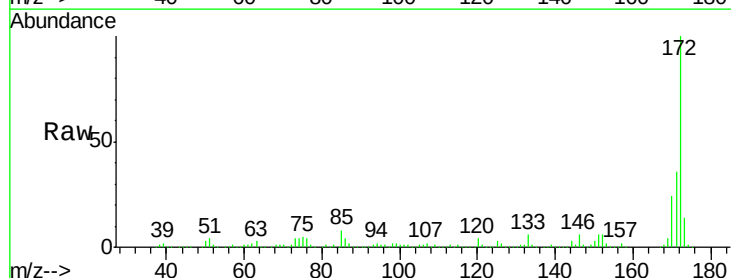


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

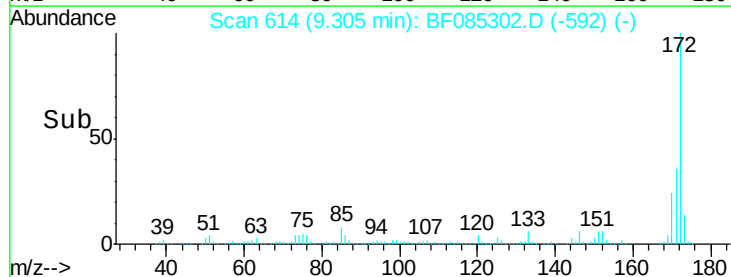
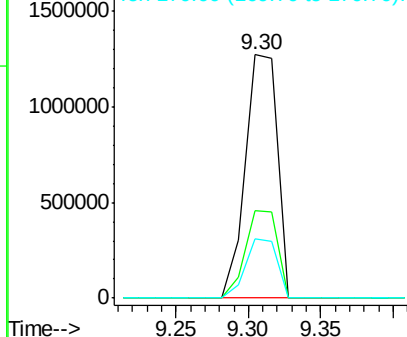


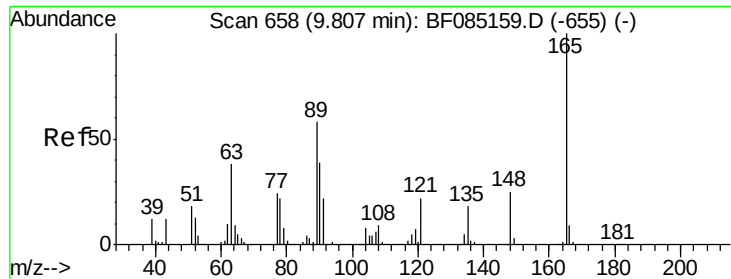
#44
 2-Fluorobiphenyl
 Concen: 98.82 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085302.D
 Acq: 9 Mar 2016 16:44

Tgt Ion:172 Resp: 1949994
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.1 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

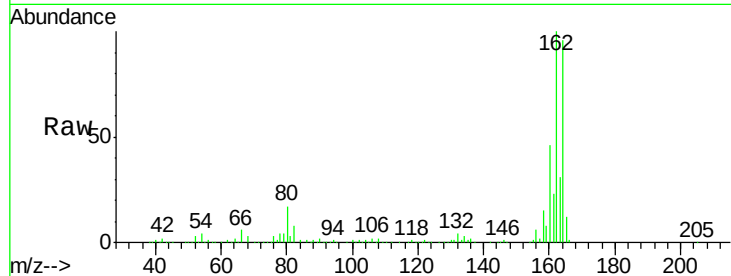




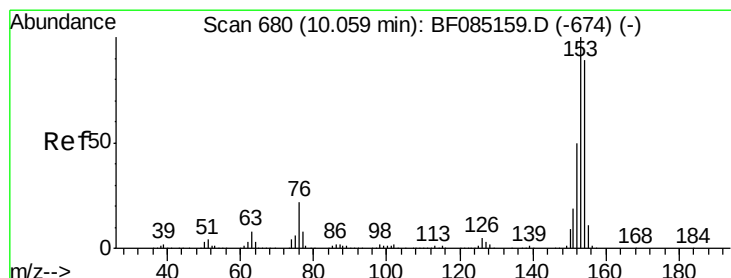
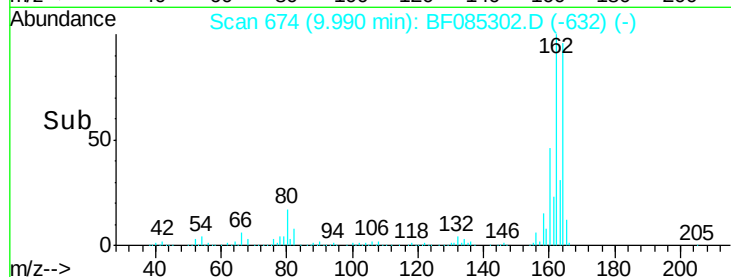
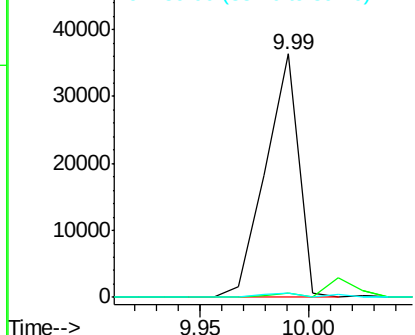
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.99 min Scan# 674
Delta R.T. 0.18 min
Lab File: BF085302.D
Acq: 9 Mar 2016 16:44

Instrument :
BNA_F
ClientSampleId :
HSR-WC-30-022516

Tgt Ion:165 Resp: 38884
Ion Ratio Lower Upper
165 100
63 1.6 41.8 62.8#
89 1.8 46.7 70.1#

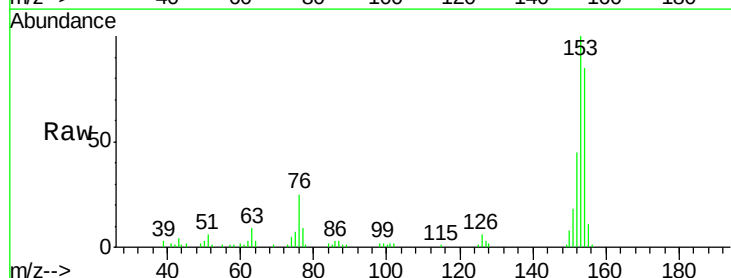


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

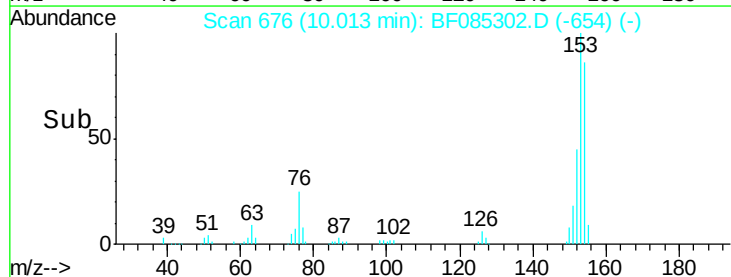
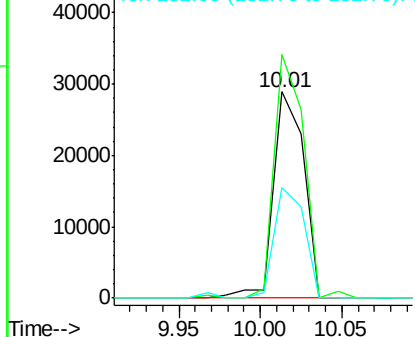


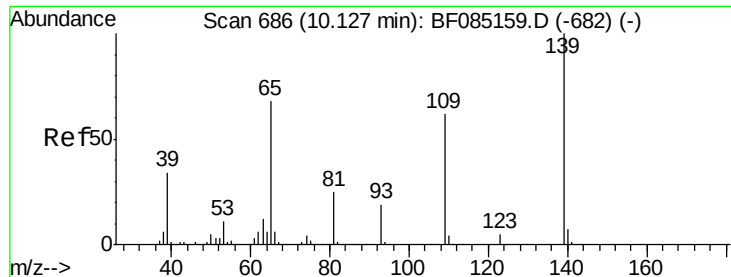
#51
Acenaphthene
Concen: 2.03 ng
RT: 10.01 min Scan# 676
Delta R.T. -0.05 min
Lab File: BF085302.D
Acq: 9 Mar 2016 16:44

Tgt Ion:154 Resp: 37449
Ion Ratio Lower Upper
154 100
153 118.3 89.8 134.8
152 53.6 44.6 66.8



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: 2.73 ng

RT: 10.18 min Scan# 691

Delta R.T. 0.06 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

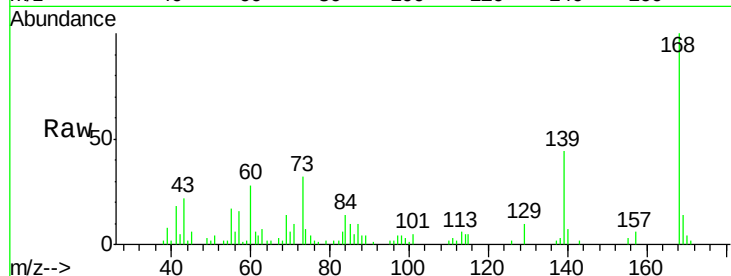
Tgt Ion:139 Resp: 12641

Ion Ratio Lower Upper

139 100

109 0.0 41.9 81.9#

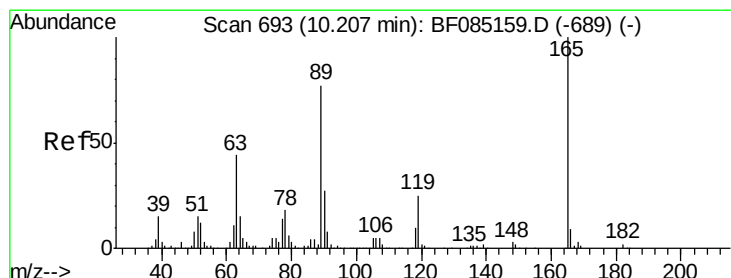
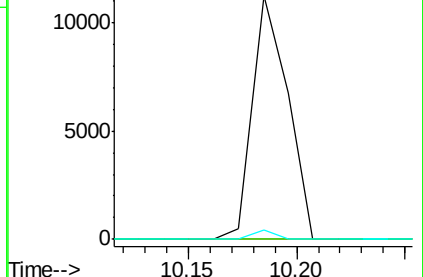
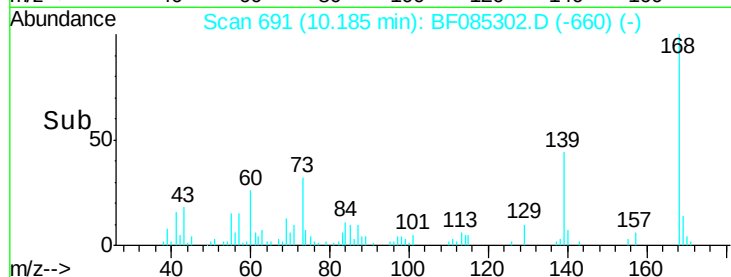
65 3.9 48.3 88.3#



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): E



#56

2,4-Dinitrotoluene

Concen: 6.20 ng

RT: 9.99 min Scan# 674

Delta R.T. -0.22 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Tgt Ion:165 Resp: 39106

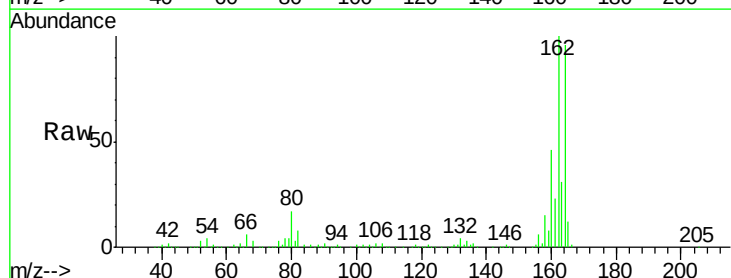
Ion Ratio Lower Upper

165 100

63 1.6 35.4 53.0#

89 1.8 61.9 92.9#

182 0.0 1.9 2.9#

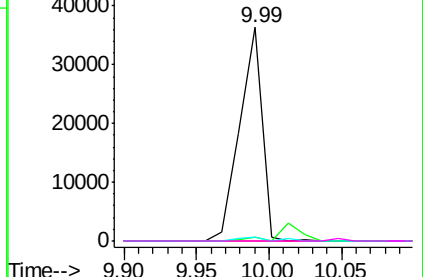
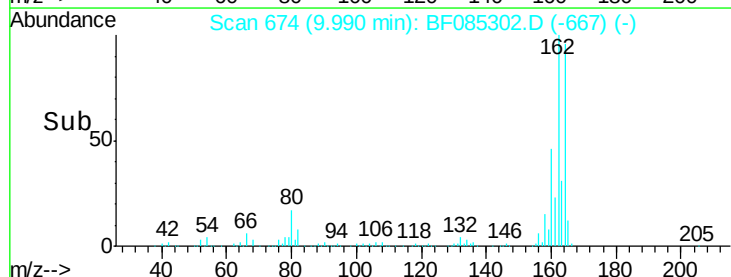


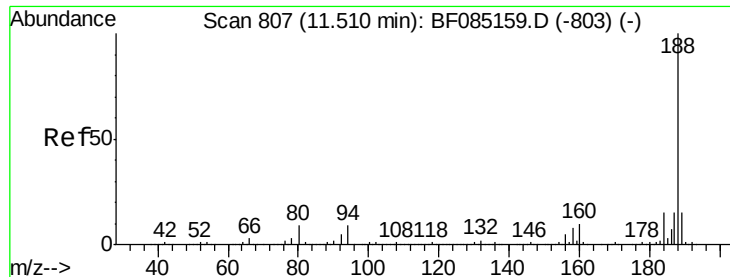
Abundance Ion 165.00 (164.70 to 165.70): E

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

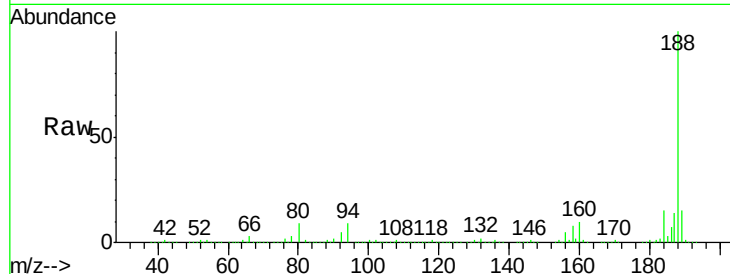




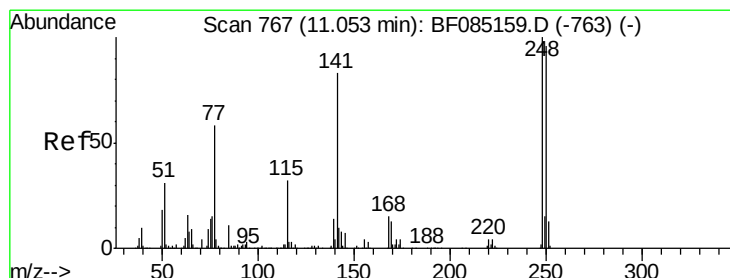
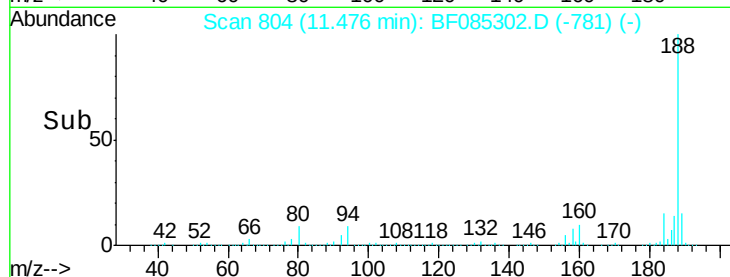
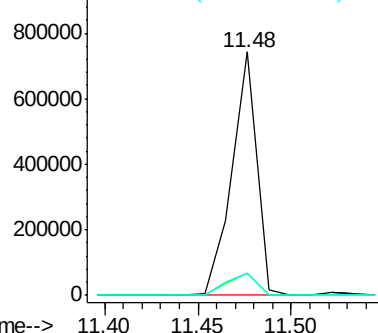
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.48 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF085302.D
 Acq: 9 Mar 2016 16:44

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-30-022516

Tgt Ion:188 Resp: 681134
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.0 10.6
 80 9.2 7.4 11.0

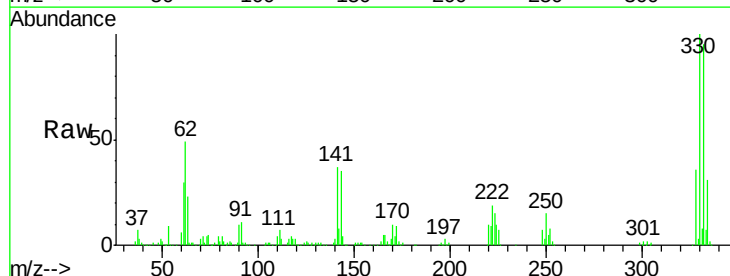


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

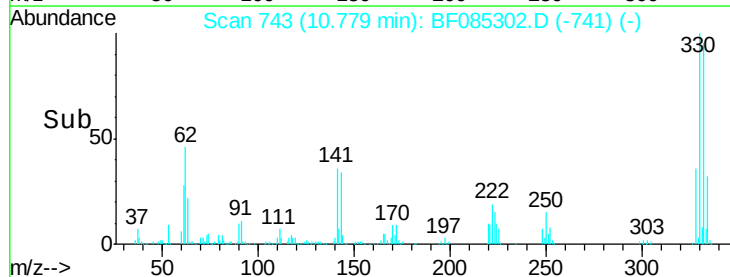
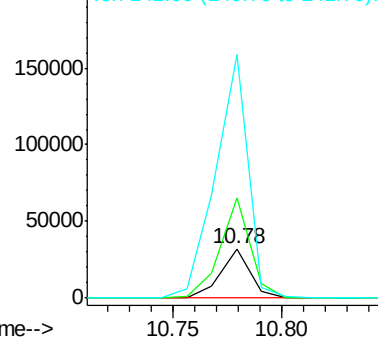


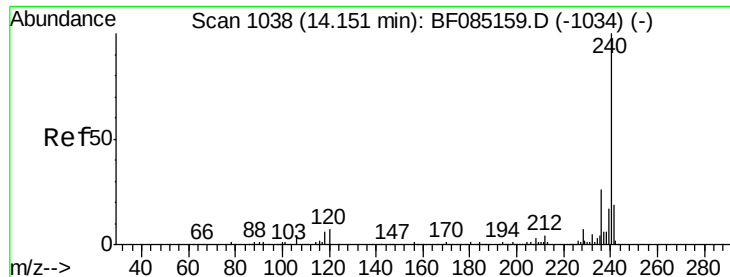
#66
 4-Bromophenyl-phenylether
 Concen: 4.73 ng
 RT: 10.78 min Scan# 743
 Delta R.T. -0.27 min
 Lab File: BF085302.D
 Acq: 9 Mar 2016 16:44

Tgt Ion:248 Resp: 31299
 Ion Ratio Lower Upper
 248 100
 250 202.0 77.1 115.7#
 141 491.9 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: 14.11 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

Instrument :

BNA_F

ClientSampleId :

HSR-WC-30-022516

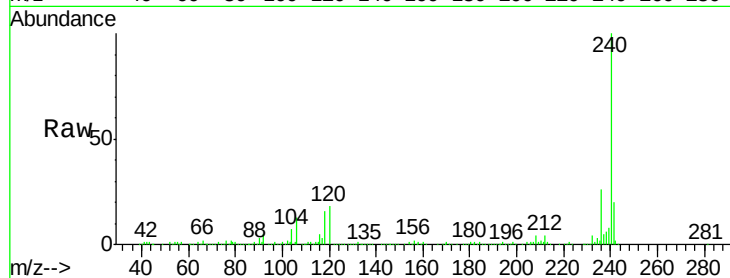
Tgt Ion:240 Resp: 439322

Ion Ratio Lower Upper

240 100

120 17.8 5.3 7.9#

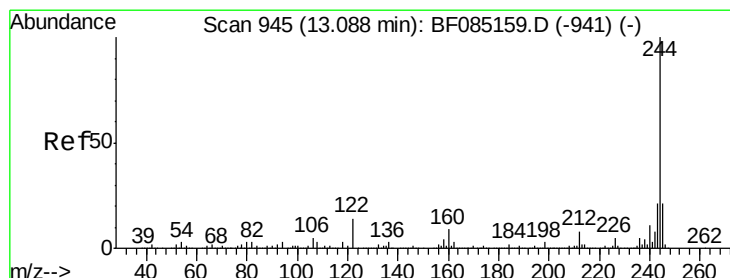
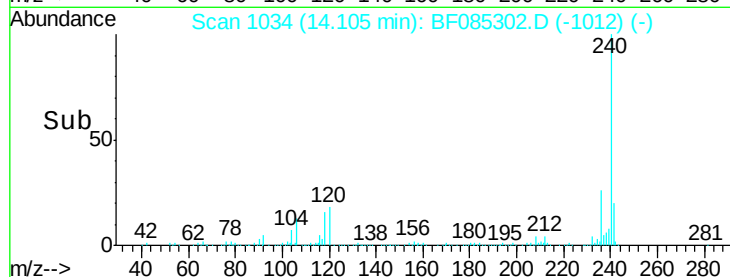
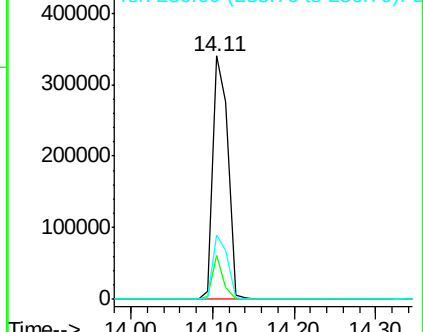
236 26.2 20.7 31.1



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: 103.35 ng

RT: 13.07 min Scan# 943

Delta R.T. -0.02 min

Lab File: BF085302.D

Acq: 9 Mar 2016 16:44

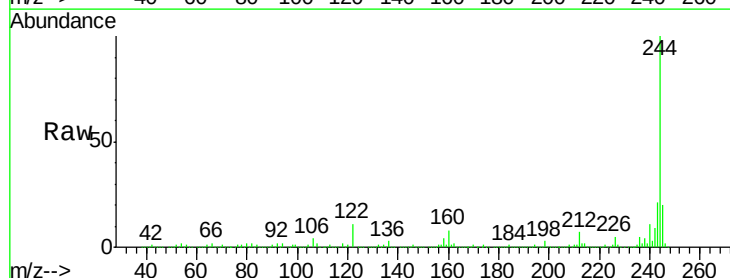
Tgt Ion:244 Resp: 1955912

Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

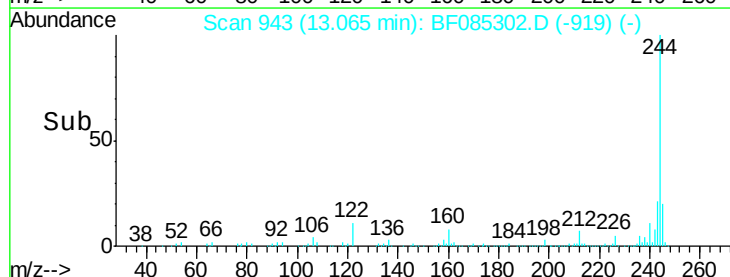
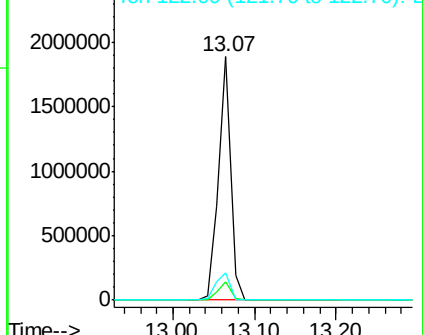
122 11.1 11.4 17.2#

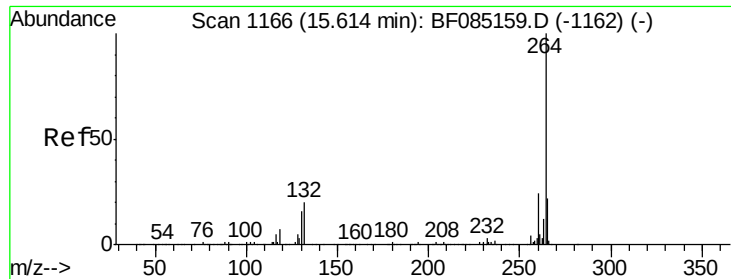


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.57 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF085302.D
Acq: 9 Mar 2016 16:44

Instrument :
BNA_F
ClientSampleId :
HSR-WC-30-022516

Tgt Ion: 264 Resp: 268160
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.8 17.3 25.9

