

Data Path : Z:\HPCHEM1\BNA_F\Data\BF030216\
 Data File : BF085152.D
 Acq On : 3 Mar 2016 6:29
 Operator : SJ/IZ
 Sample : H1632-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 40054(0-2)

Quant Time: Mar 03 07:13:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 13:25:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	193154	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	801721	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	374654	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	660034	20.00	ng	0.00
75) Chrysene-d12	14.15	240	459510	20.00	ng	0.00
86) Perylene-d12	15.63	264	428159	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	782951	65.81	ng	0.00
7) Phenol-d6	6.61	99	716150	45.91	ng	0.00
23) Nitrobenzene-d5	7.56	82	1513127	100.41	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	640813	170.20	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	2117966	83.26	ng	0.00
78) Terphenyl-d14	13.10	244	1903760	97.19	ng	0.00

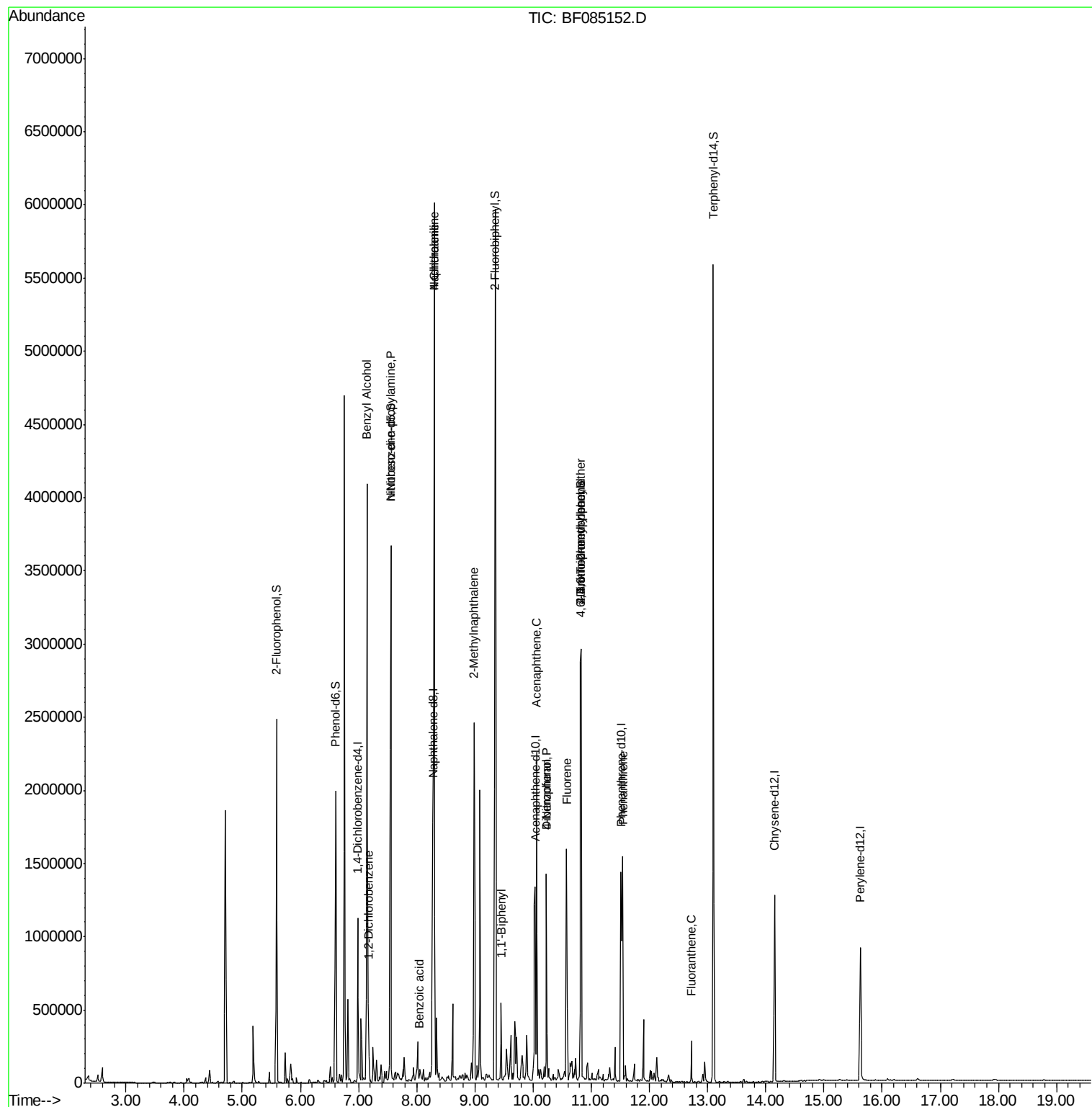
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	7.17	146	36148	2.73	ng	# 91
15) Benzyl Alcohol	7.14	79	28563	2.51	ng	# 51
19) n-Nitroso-di-n-propylamine	7.56	70	211353	20.56	ng	# 77
31) Naphthalene	8.30	128	3012522	74.30	ng	98
32) Benzoic acid	8.05	122	4032	12.78	ng	# 41
33) 4-Chloroaniline	8.30	127	436648	27.24	ng	# 32
37) 2-Methylnaphthalene	8.98	142	784705	31.66	ng	99
45) 1,1'-Biphenyl	9.45	154	198140	5.96	ng	97
51) Acenaphthene	10.06	154	565607	24.99	ng	99
54) Dibenzofuran	10.23	168	529780	18.03	ng	99
55) 4-Nitrophenol	10.23	139	210062	40.01	ng	# 23
57) Fluorene	10.57	166	460626	19.94	ng	99
64) 4,6-Dinitro-2-methylphenol	10.81	198	1210	7.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	37350	5.39	ng	# 1
70) Phenanthrene	11.54	178	874792	26.64	ng	96
74) Fluoranthene	12.72	202	104828	2.91	ng	96

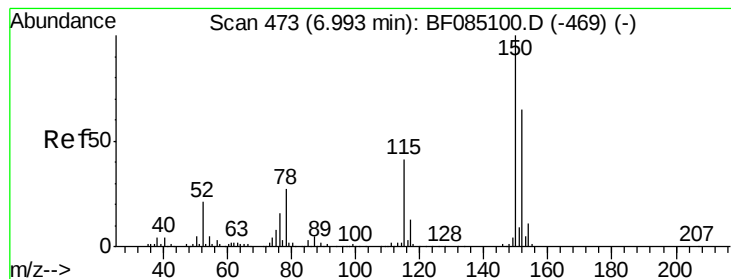
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

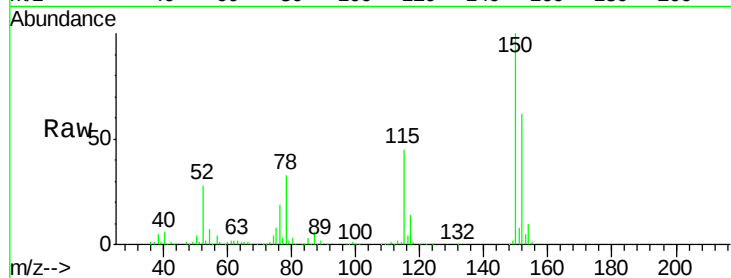
Tgt Ion:152 Resp: 193154

Ion Ratio Lower Upper

152 100

150 161.8 123.4 185.0

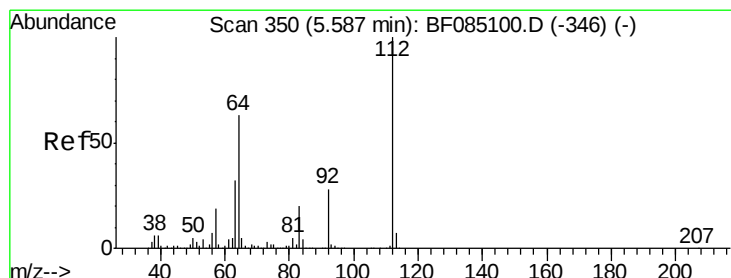
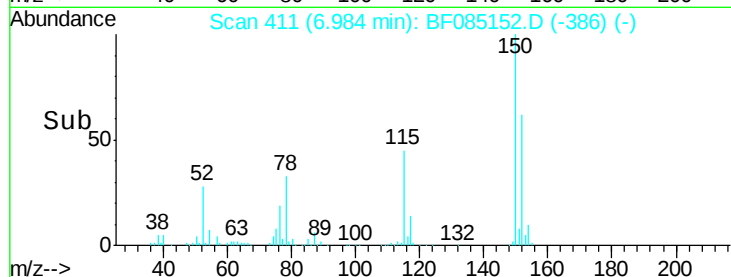
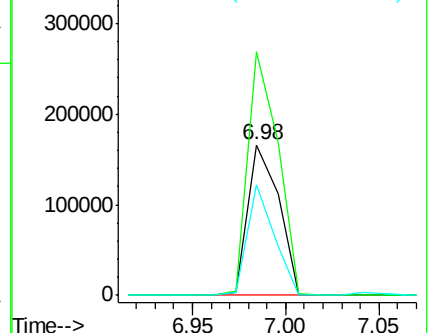
115 73.1 50.0 75.0



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: 65.81 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

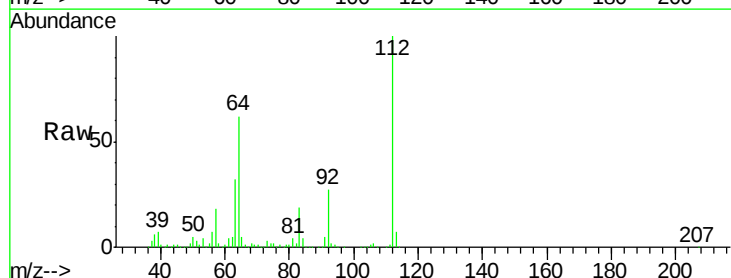
Tgt Ion:112 Resp: 782951

Ion Ratio Lower Upper

112 100

64 61.7 50.6 76.0

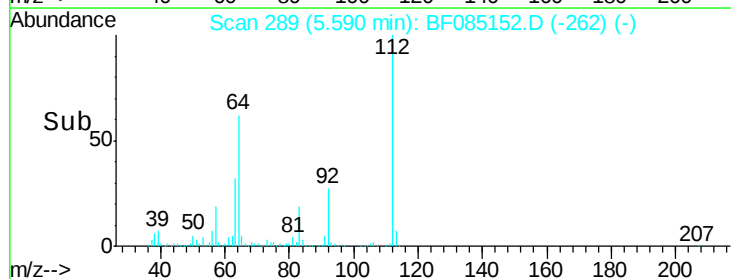
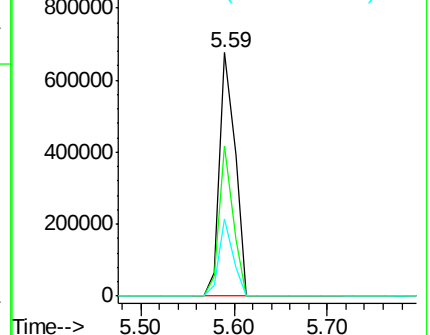
63 31.7 25.5 38.3

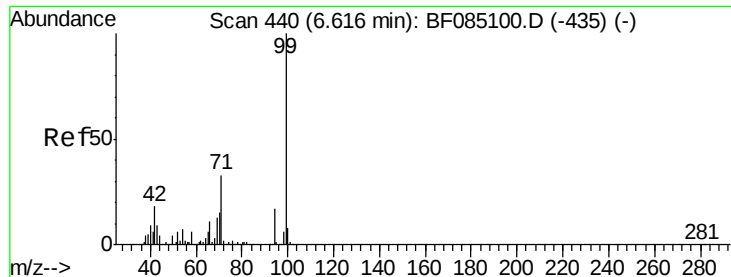


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 45.91 ng

RT: 6.61 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

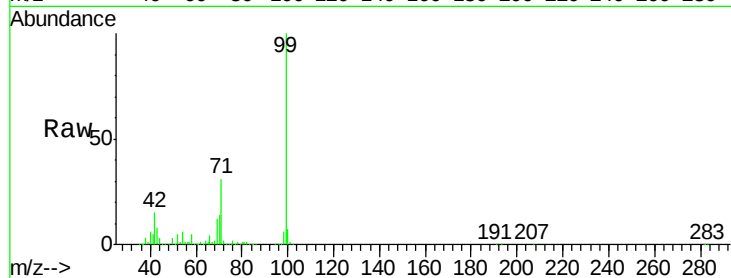
Tgt Ion: 99 Resp: 716150

Ion Ratio Lower Upper

99 100

42 15.0 14.1 21.1

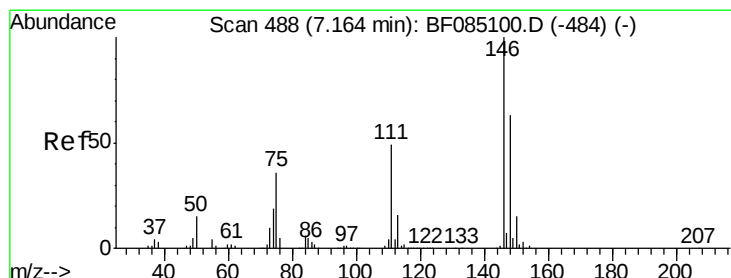
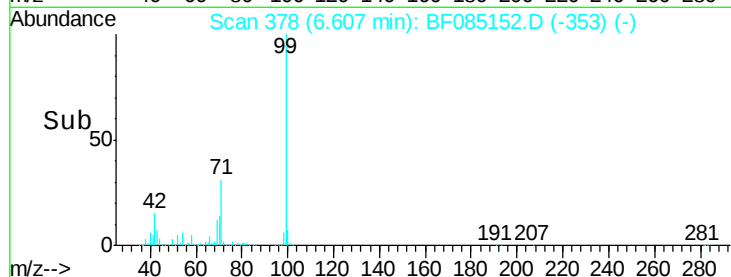
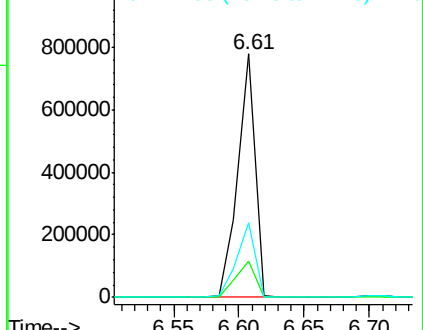
71 30.7 26.8 40.2



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



#14

1,2-Dichlorobenzene

Concen: 2.73 ng

RT: 7.17 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

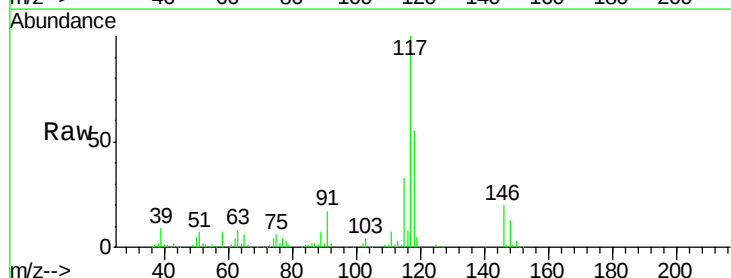
Tgt Ion: 146 Resp: 36148

Ion Ratio Lower Upper

146 100

148 65.8 50.5 75.7

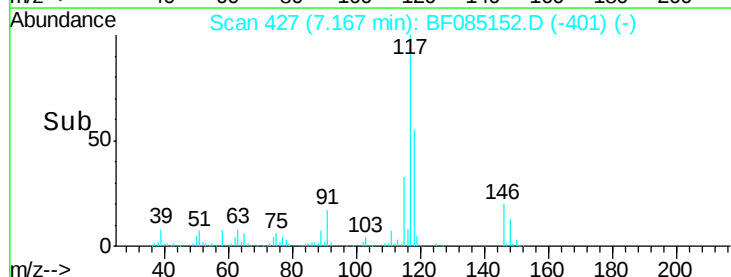
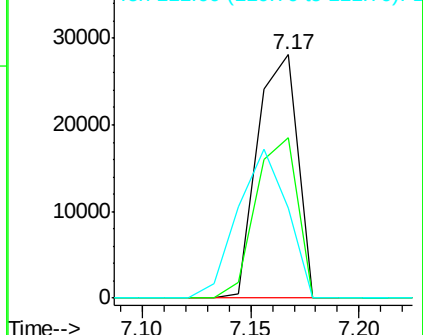
111 37.2 38.9 58.3#

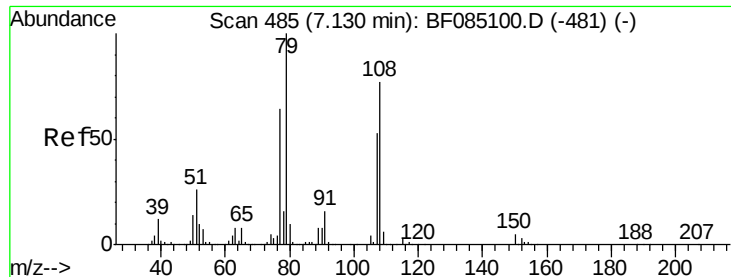


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 7.14 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

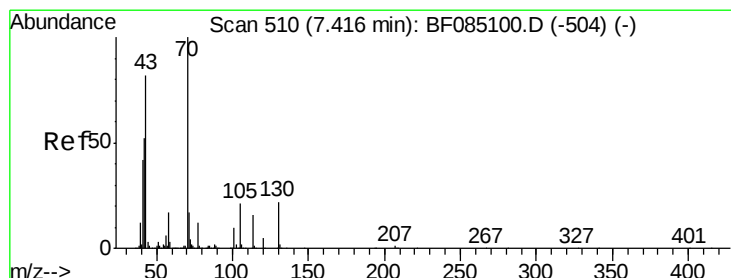
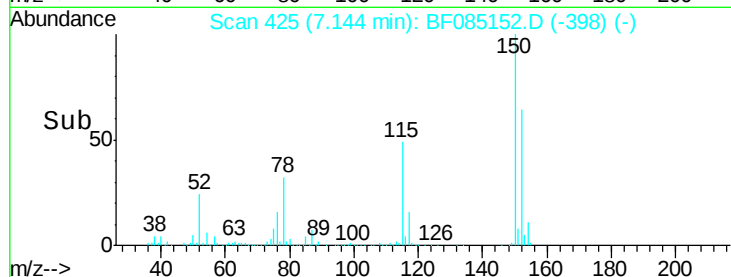
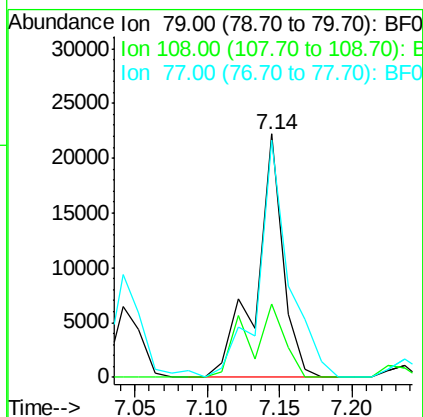
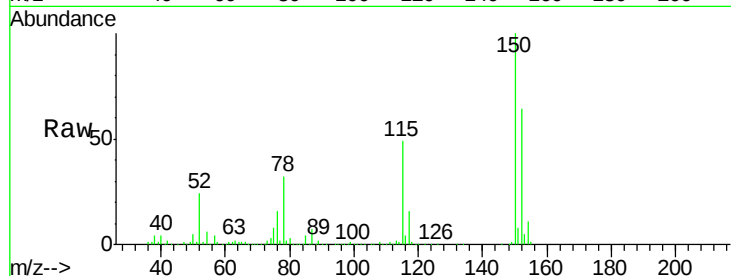
Tgt Ion: 79 Resp: 28563

Ion Ratio Lower Upper

79 100

108 30.1 61.8 92.6#

77 97.4 51.2 76.8#



#19

n-Nitroso-di-n-propylamine

Concen: 20.56 ng

RT: 7.56 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Tgt Ion: 70 Resp: 211353

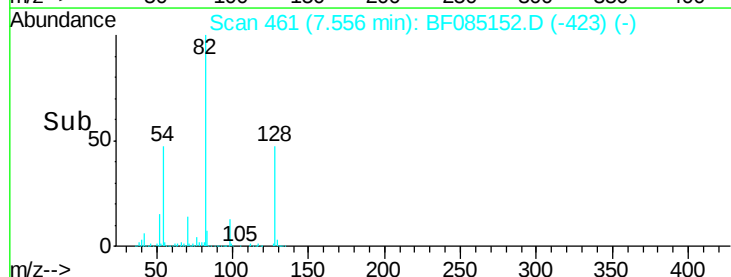
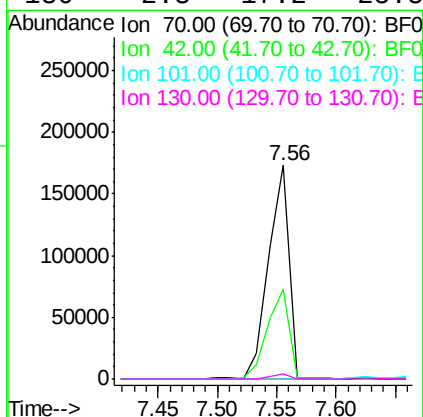
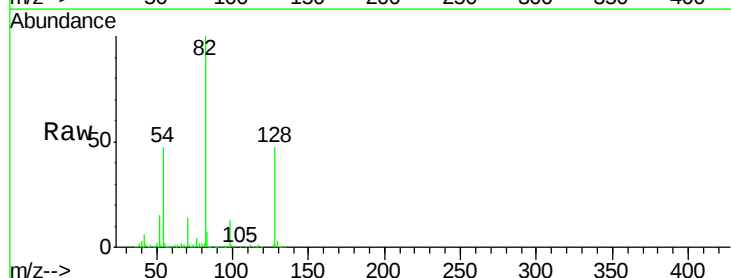
Ion Ratio Lower Upper

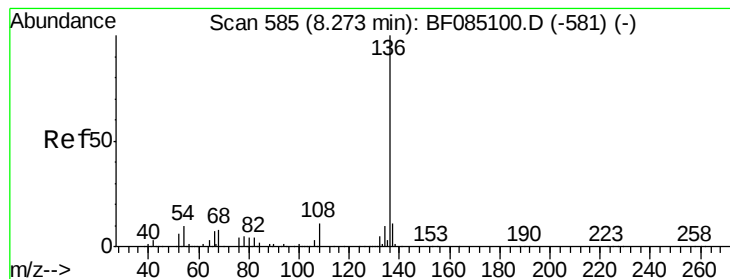
70 100

42 42.1 41.9 62.9

101 0.0 7.8 11.8#

130 2.3 17.2 25.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

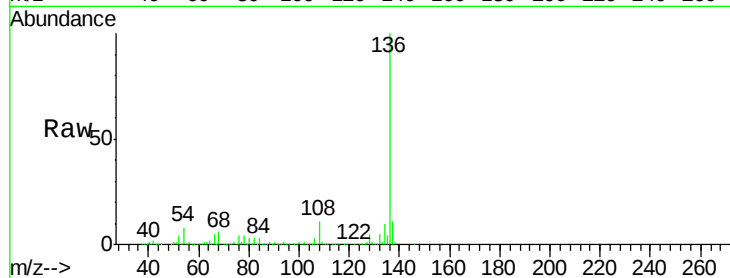
Instrument :

BNA_F

ClientSampleId :

40054(0-2)

Tgt Ion:	136	Resp:	801721
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	8.2	8.5	12.7#
68	6.5	6.4	9.6



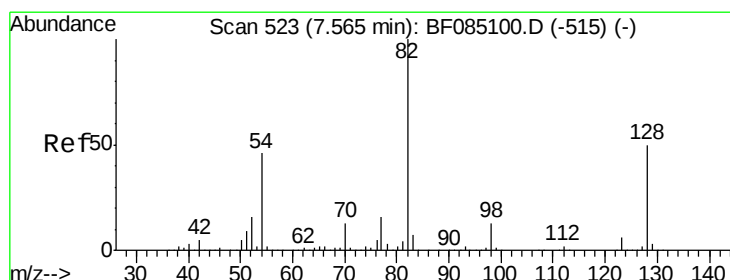
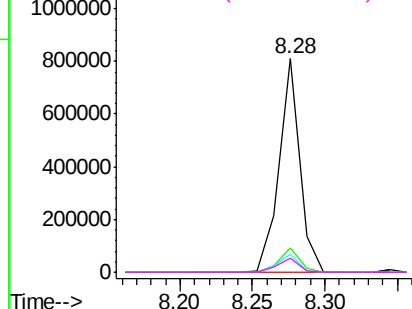
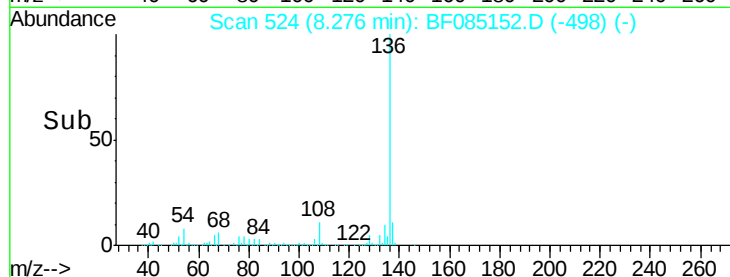
Abundance

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: 100.41 ng

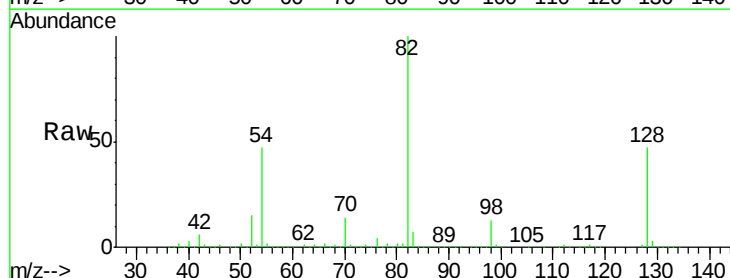
RT: 7.56 min Scan# 461

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Tgt Ion:	82	Resp:	1513127
Ion	Ratio	Lower	Upper
82	100		
128	47.4	39.8	59.6
54	47.5	36.6	54.8

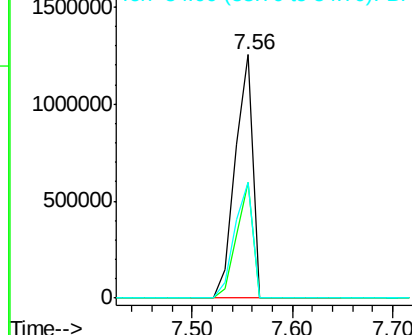
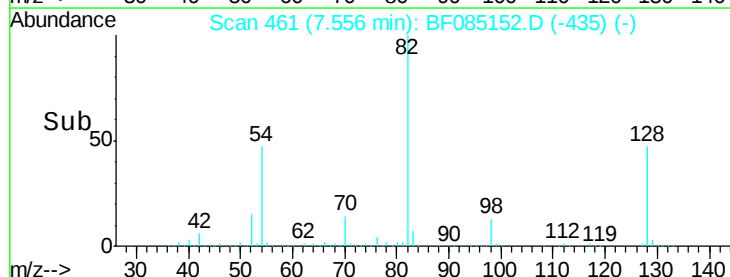


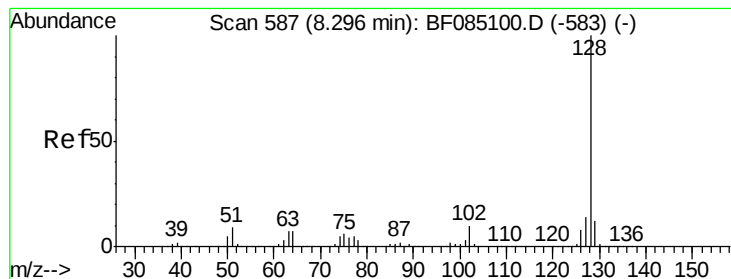
Abundance

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





#31

Naphthalene

Concen: 74.30 ng

RT: 8.30 min Scan# 526

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

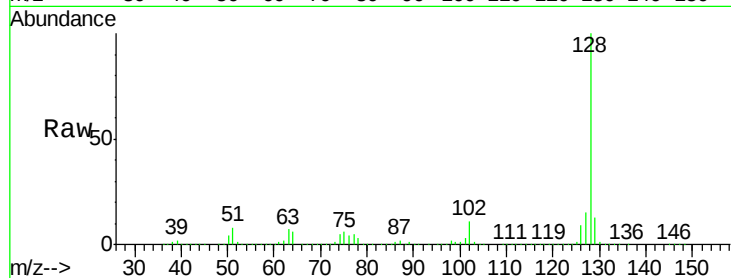
Tgt Ion:128 Resp: 3012522

Ion Ratio Lower Upper

128 100

129 12.6 9.7 14.5

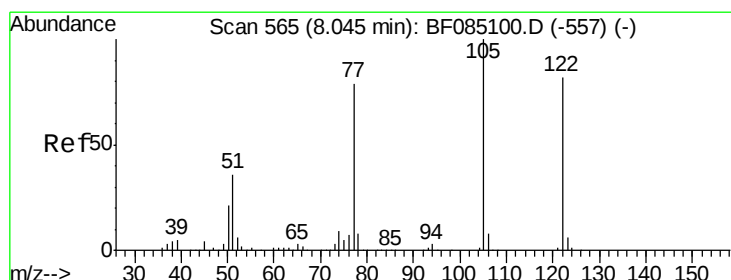
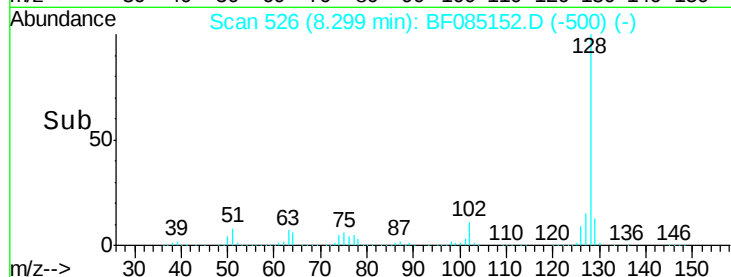
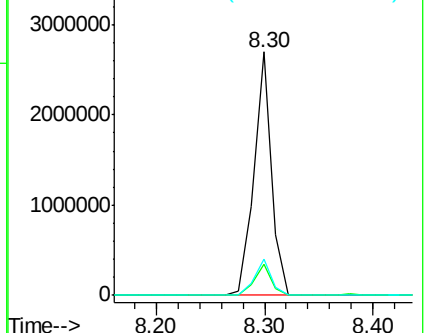
127 15.1 11.1 16.7



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



#32

Benzoic acid

Concen: 12.78 ng

RT: 8.05 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

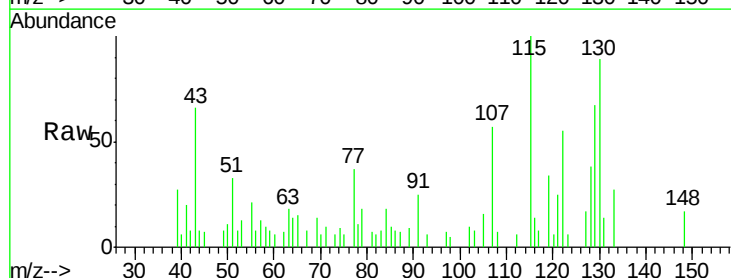
Tgt Ion:122 Resp: 4032

Ion Ratio Lower Upper

122 100

105 29.7 102.0 142.0#

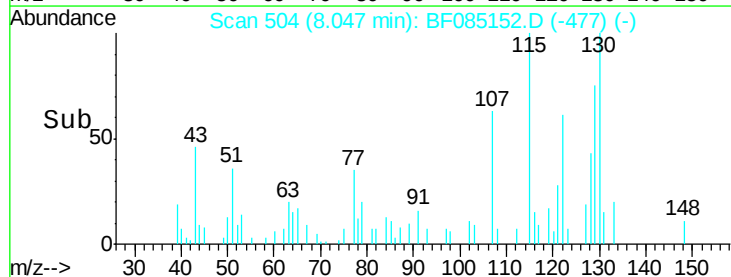
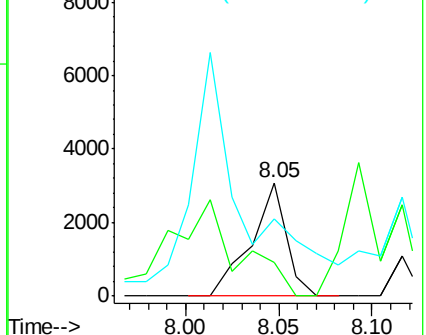
77 67.8 76.8 116.8#

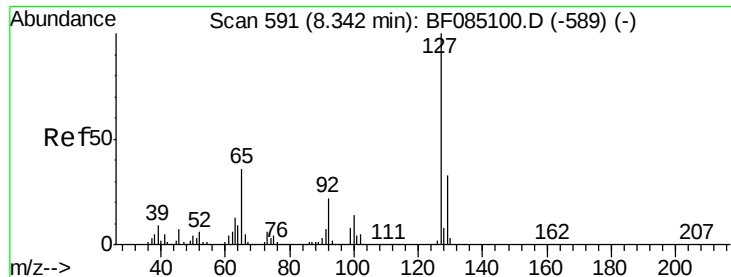


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

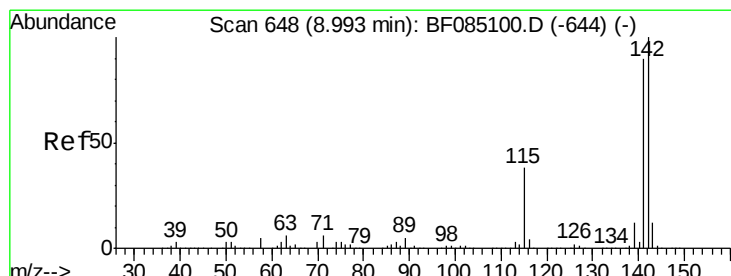
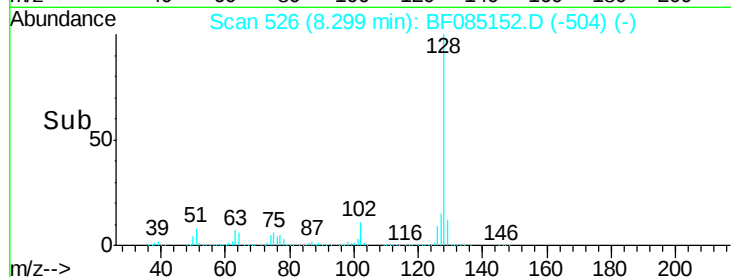
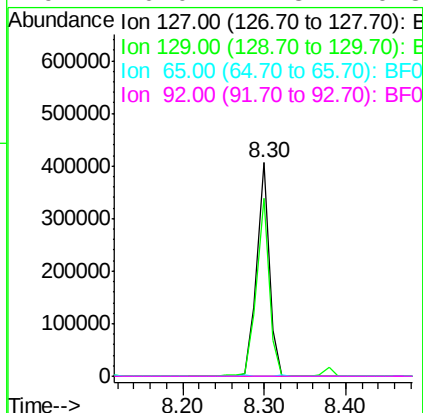
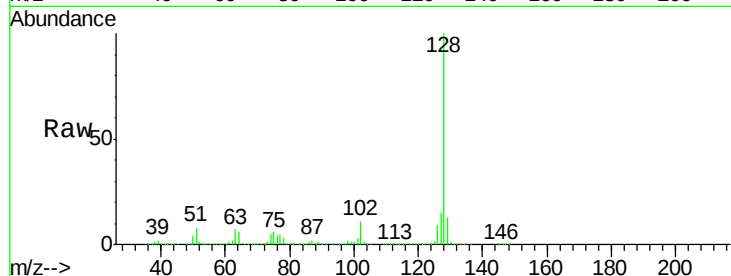




#33
 4-Chloroaniline
 Concen: 27.24 ng
 RT: 8.30 min Scan# 526
 Delta R.T. -0.04 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

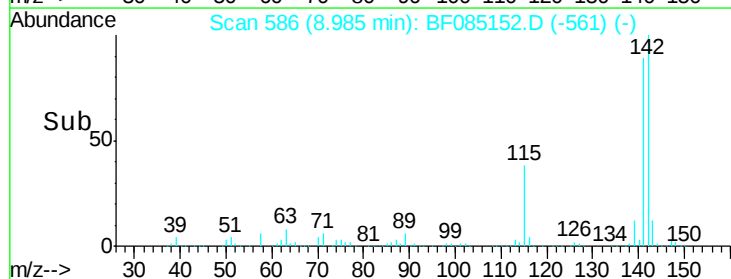
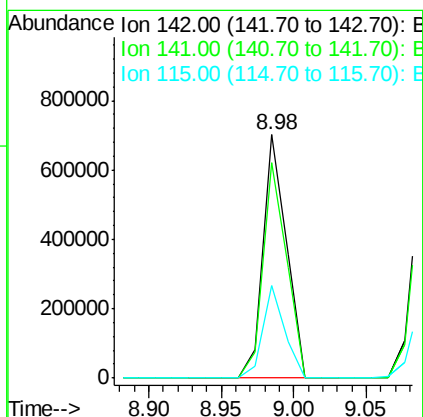
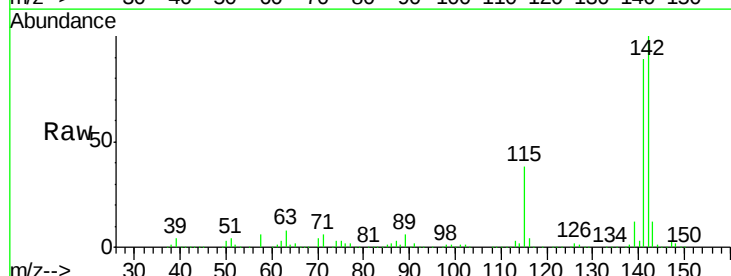
Instrument :
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 40054(0-2)

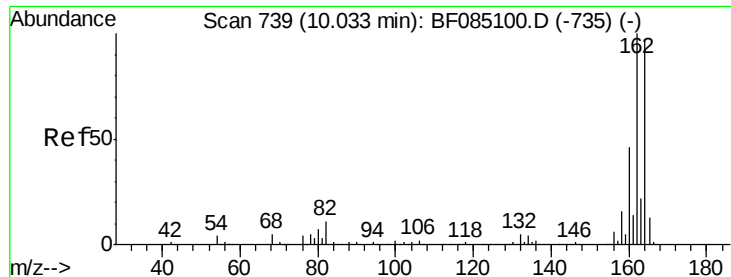
Tgt Ion:	127	Resp:	436648
Ion	Ratio	Lower	Upper
127	100		
129	83.5	26.3	39.5#
65	0.0	28.6	43.0#
92	0.0	17.8	26.8#



#37
 2-Methylnaphthalene
 Concen: 31.66 ng
 RT: 8.98 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Tgt Ion:	142	Resp:	784705
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.7	107.5
115	38.1	30.1	45.1

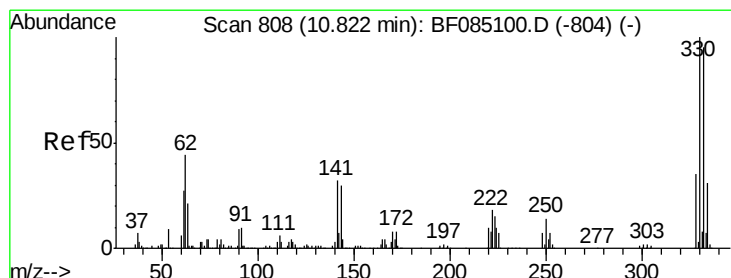
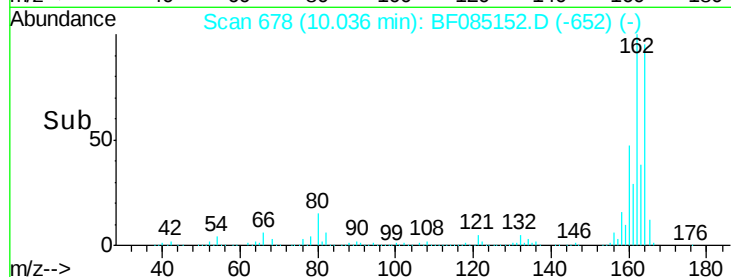
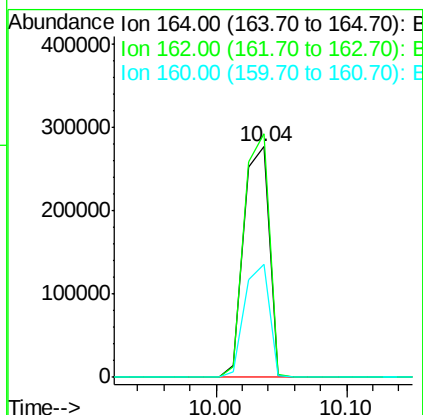
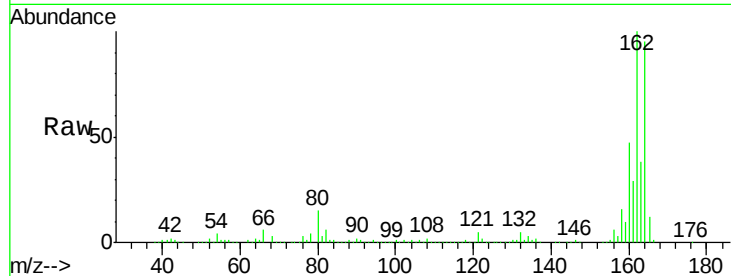




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.04 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

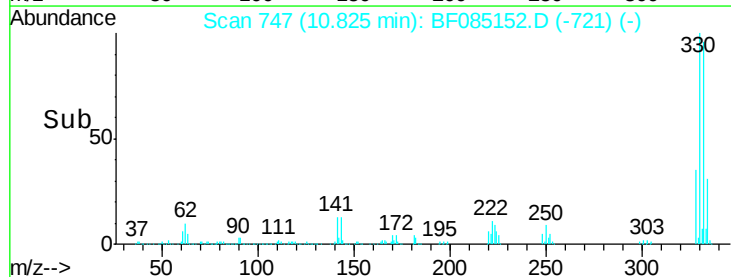
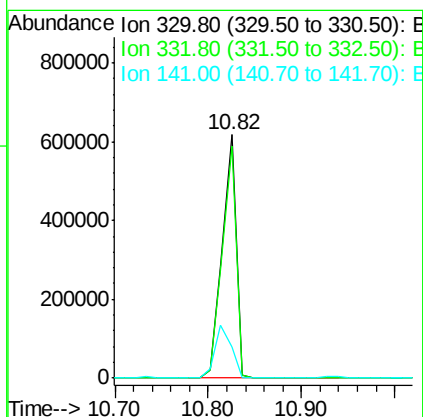
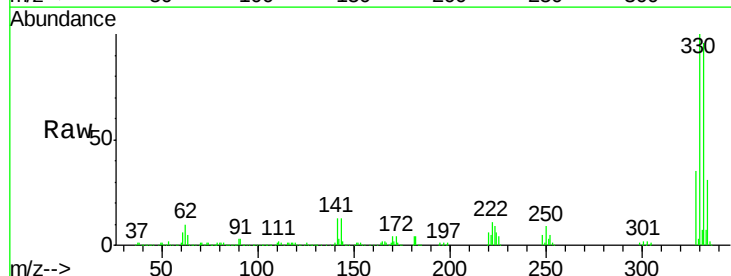
Instrument :
 BNA_F
 ClientSampleId :
 40054(0-2)

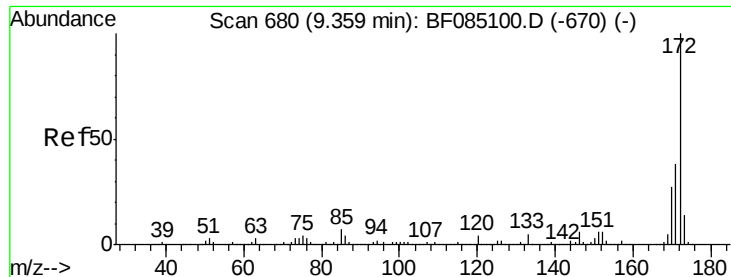
Tgt Ion:164 Resp: 374654
 Ion Ratio Lower Upper
 164 100
 162 105.6 82.6 123.8
 160 49.1 38.2 57.2



#41
 2,4,6-Tribromophenol
 Concen: 170.20 ng
 RT: 10.82 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Tgt Ion:330 Resp: 640813
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.9 113.9
 141 26.2 28.9 43.3#

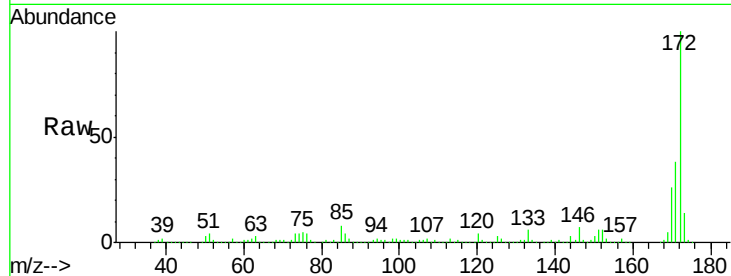




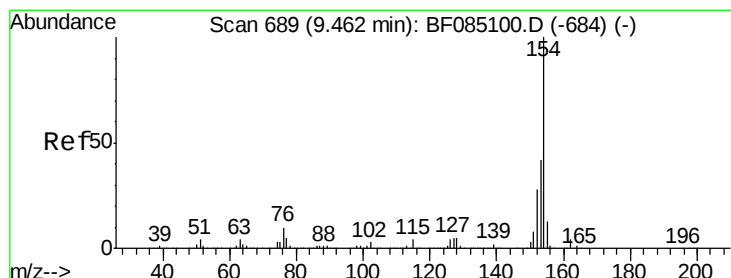
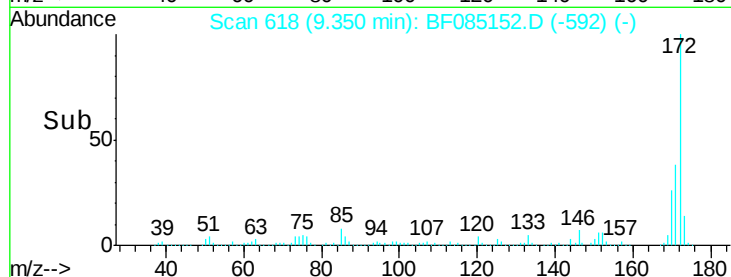
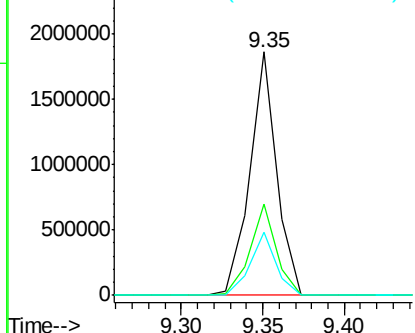
#44
 2-Fluorobiphenyl
 Concen: 83.26 ng
 RT: 9.35 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Instrument :
 BNA_F
 ClientSampleId :
 40054(0-2)

Tgt Ion:172 Resp: 2117966
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.5 45.7
 170 25.9 21.2 31.8

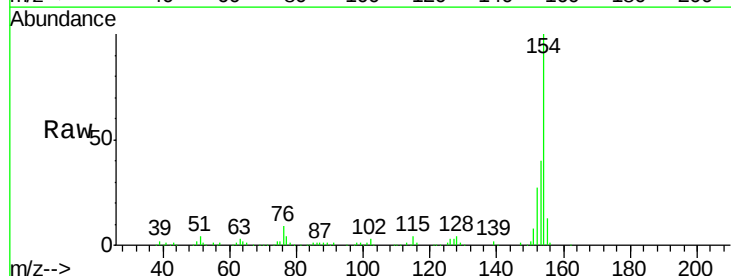


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

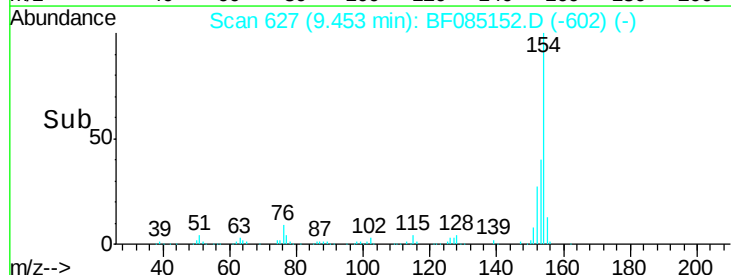
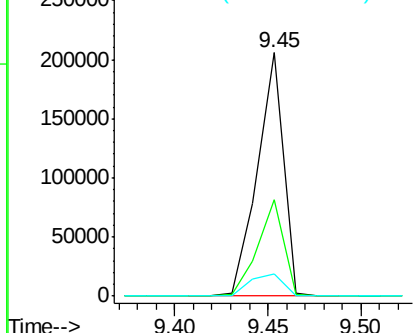


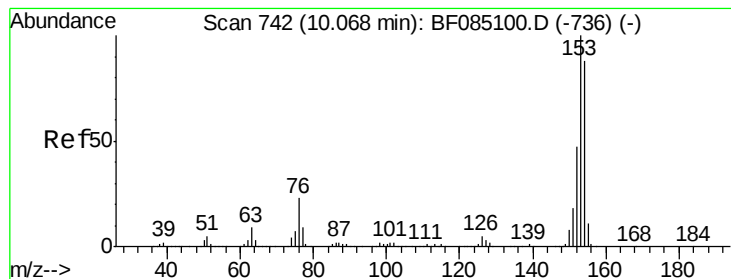
#45
 1,1'-Biphenyl
 Concen: 5.96 ng
 RT: 9.45 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF085152.D
 Acq: 3 Mar 2016 6:29

Tgt Ion:154 Resp: 198140
 Ion Ratio Lower Upper
 154 100
 153 39.6 21.5 61.5
 76 9.0 0.0 29.7



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





#51

Acenaphthene

Concen: 24.99 ng

RT: 10.06 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

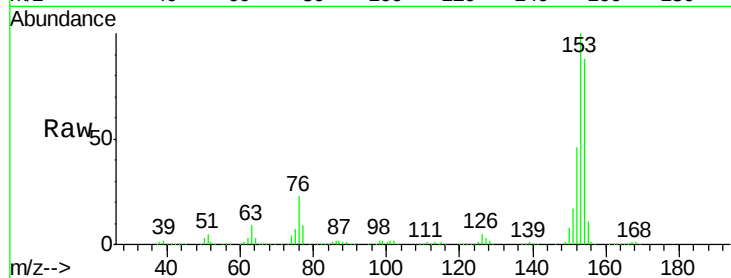
Tgt Ion:154 Resp: 565607

Ion Ratio Lower Upper

154 100

153 113.0 91.0 136.6

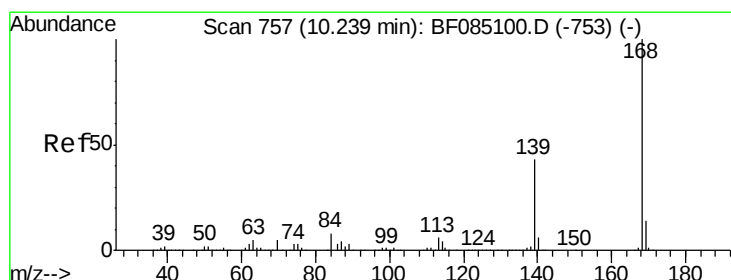
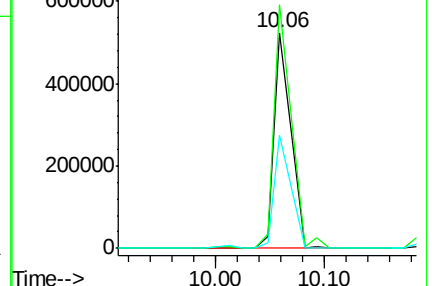
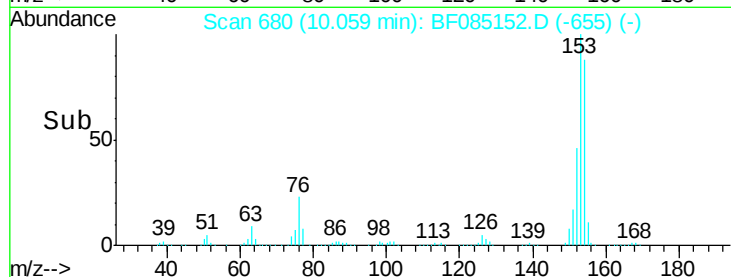
152 52.2 43.0 64.6



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



#54

Dibenzofuran

Concen: 18.03 ng

RT: 10.23 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

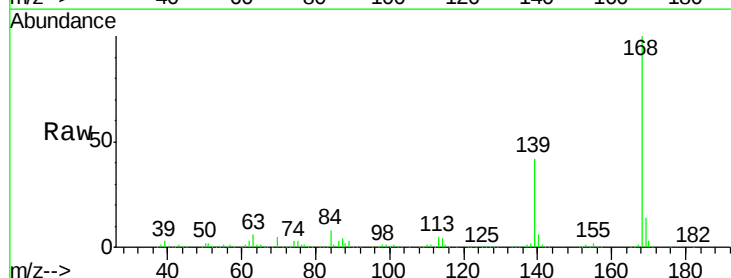
Tgt Ion:168 Resp: 529780

Ion Ratio Lower Upper

168 100

139 42.0 34.2 51.2

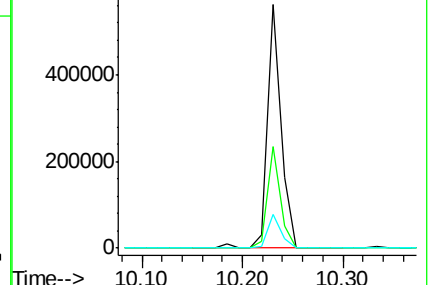
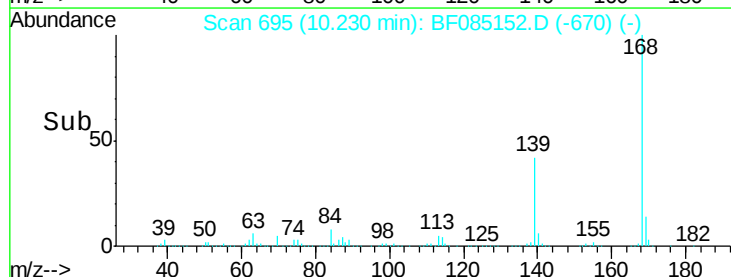
169 13.9 11.4 17.2

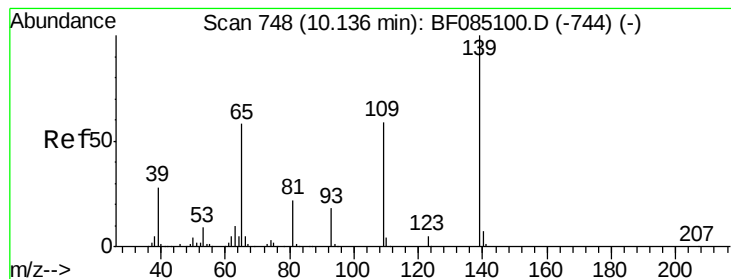


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 40.01 ng

RT: 10.23 min Scan# 695

Delta R.T. 0.09 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

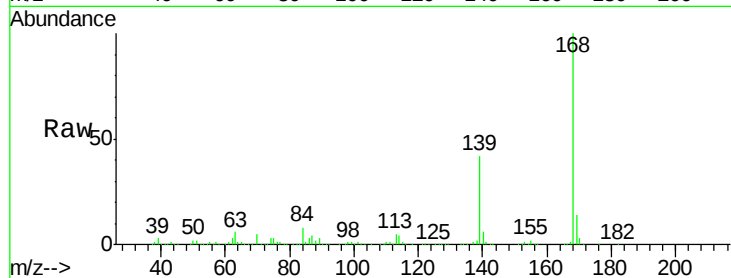
Tgt Ion:139 Resp: 210062

Ion Ratio Lower Upper

139 100

109 0.9 39.5 79.5#

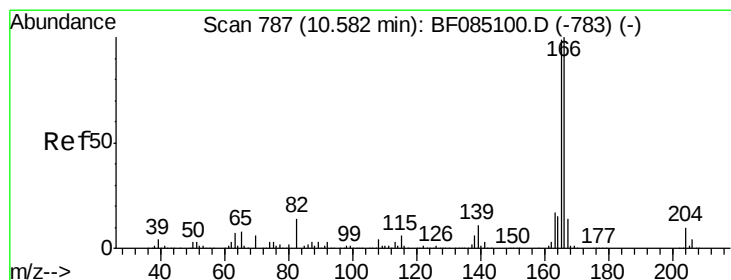
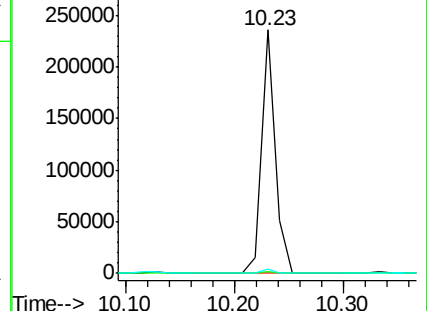
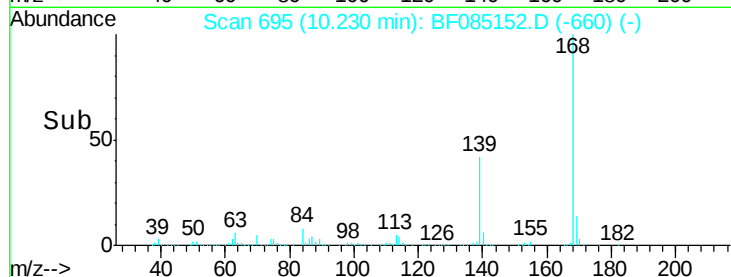
65 1.8 38.4 78.4#



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



#57

Fluorene

Concen: 19.94 ng

RT: 10.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

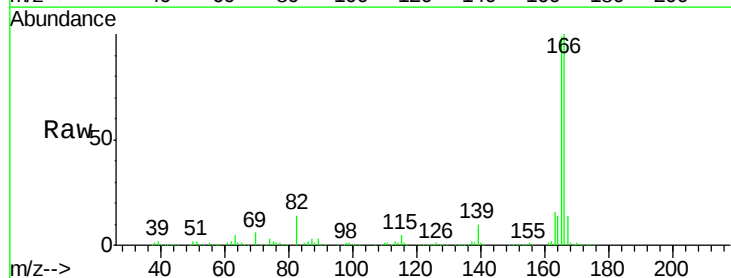
Tgt Ion:166 Resp: 460626

Ion Ratio Lower Upper

166 100

165 98.6 79.4 119.2

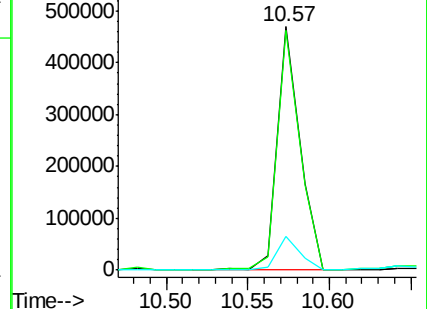
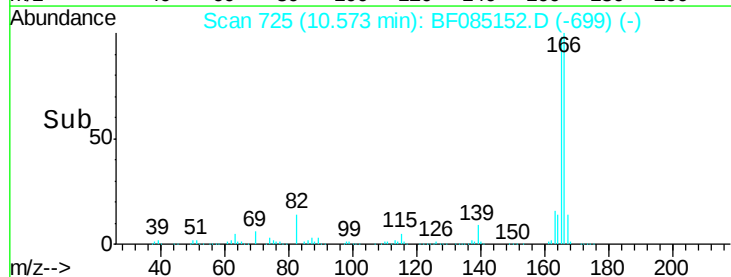
167 13.8 11.2 16.8

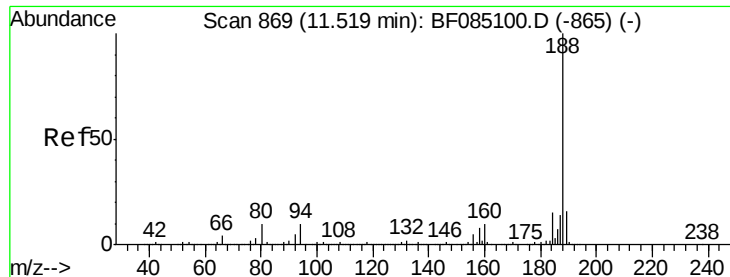


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

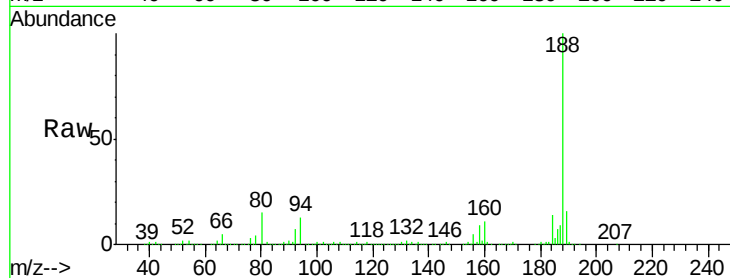
Tgt Ion:188 Resp: 660034

Ion Ratio Lower Upper

188 100

94 12.7 7.8 11.6#

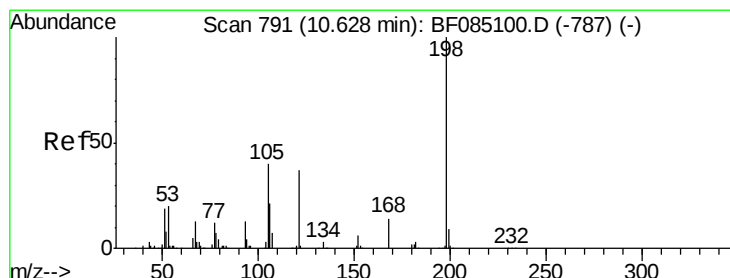
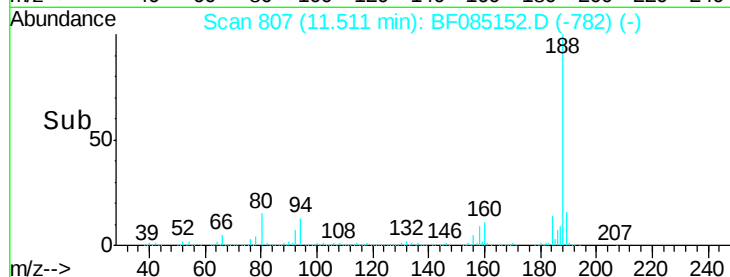
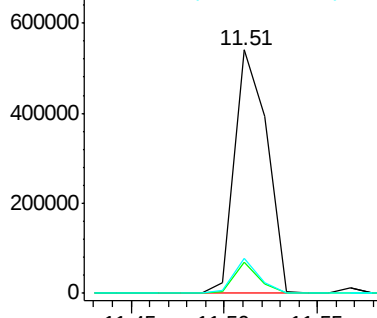
80 14.5 8.2 12.4#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 7.46 ng

RT: 10.81 min Scan# 746

Delta R.T. 0.19 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

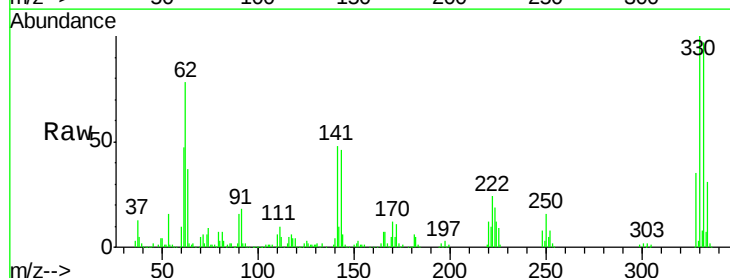
Tgt Ion:198 Resp: 1210

Ion Ratio Lower Upper

198 100

51 328.3 12.5 52.5#

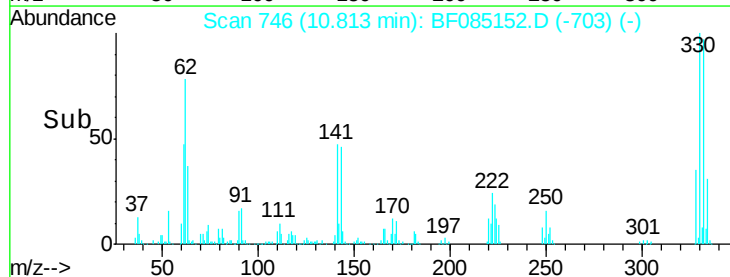
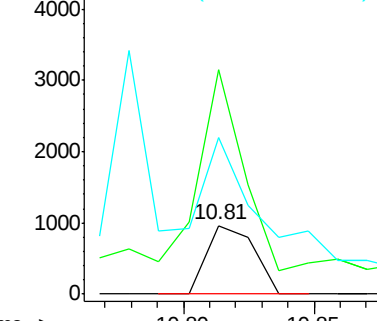
105 229.8 20.2 60.2#

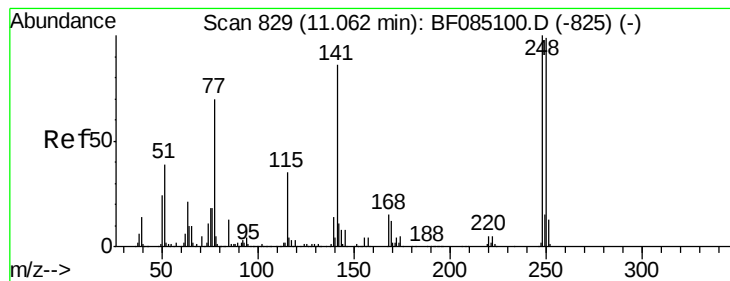


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.39 ng

RT: 10.82 min Scan# 747

Delta R.T. -0.24 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

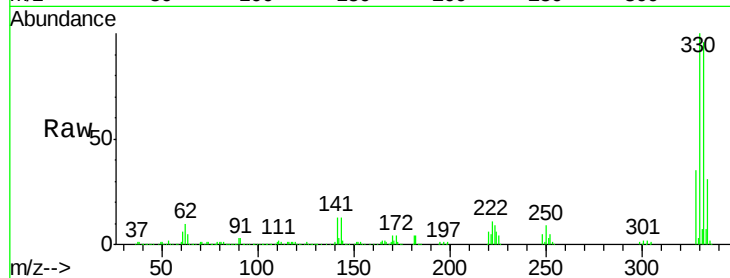
Tgt Ion:248 Resp: 37350

Ion Ratio Lower Upper

248 100

250 203.8 79.0 118.4#

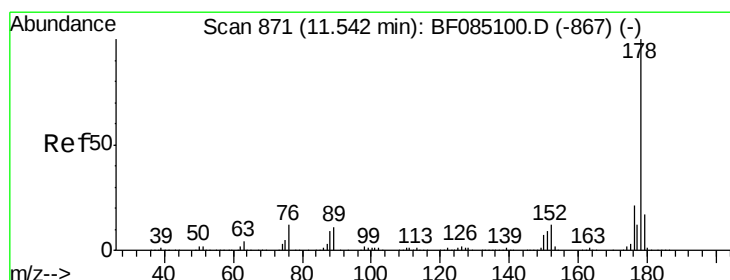
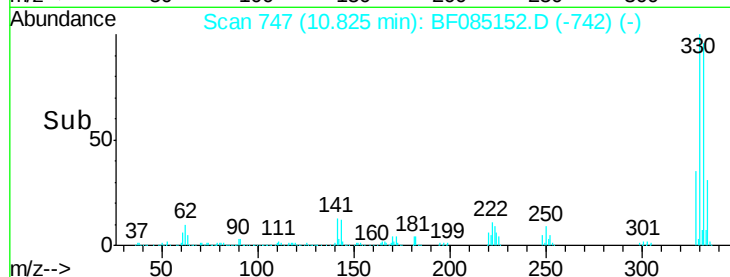
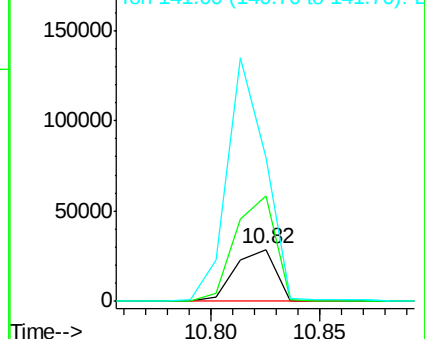
141 278.1 68.6 103.0#



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: 26.64 ng

RT: 11.54 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

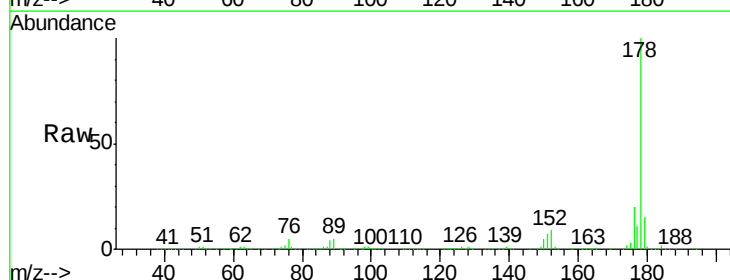
Tgt Ion:178 Resp: 874792

Ion Ratio Lower Upper

178 100

176 19.6 17.0 25.6

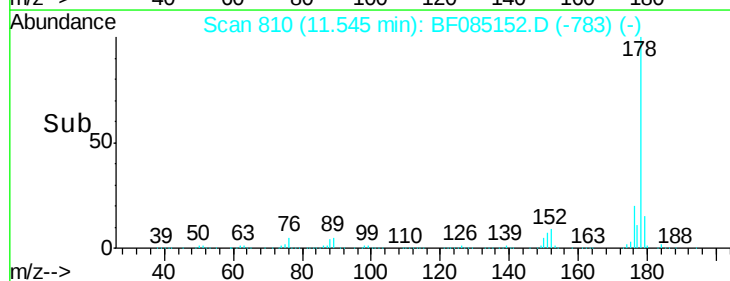
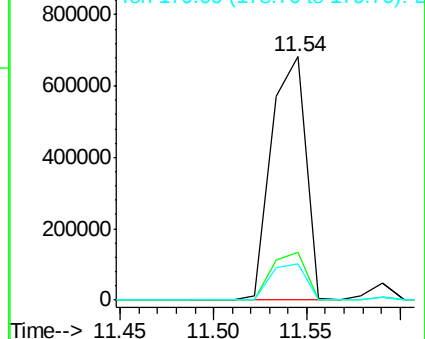
179 15.0 13.3 19.9

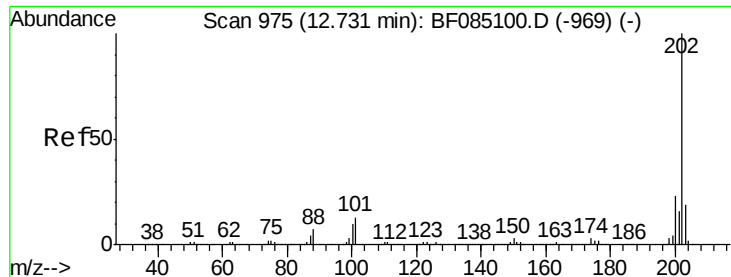


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.91 ng

RT: 12.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

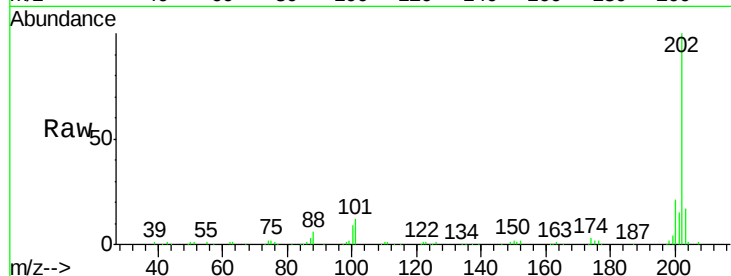
Tgt Ion: 202 Resp: 104828

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.2

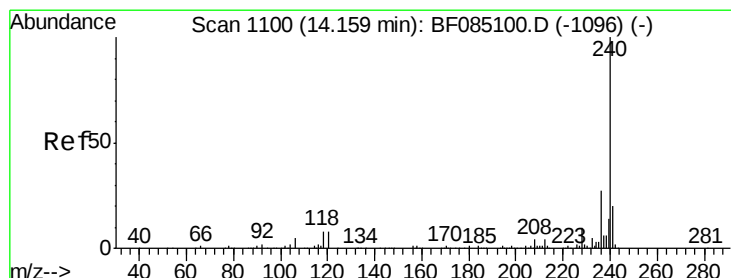
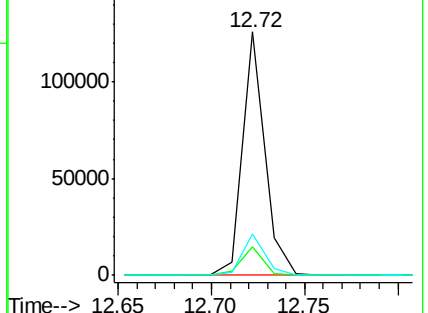
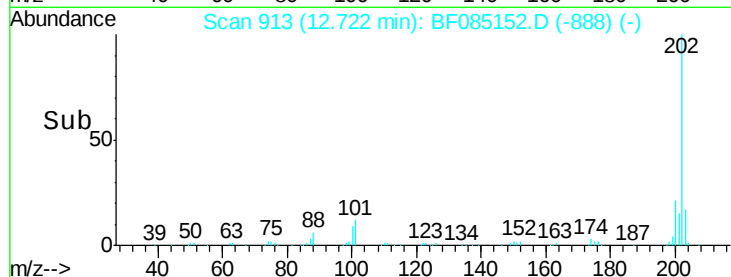
203 16.8 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

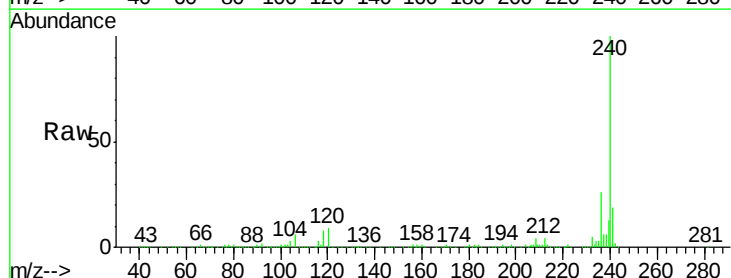
Tgt Ion: 240 Resp: 459510

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

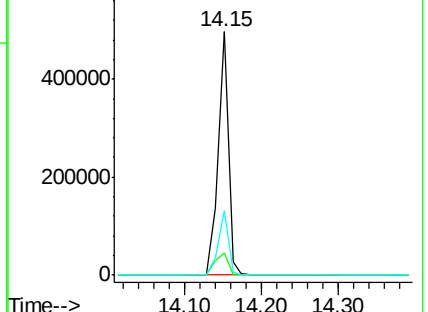
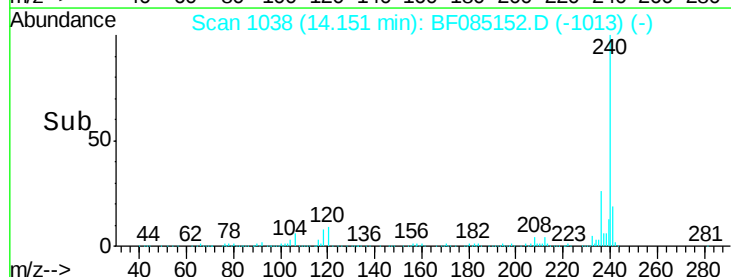
236 26.5 21.6 32.4

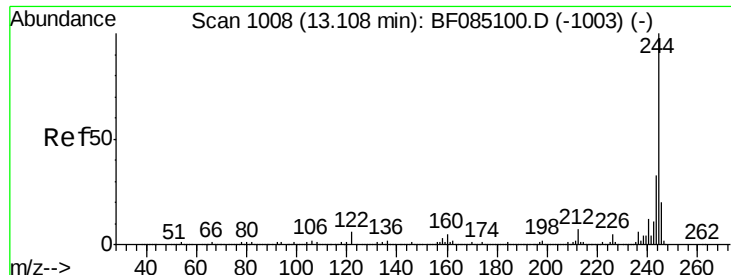


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 97.19 ng

RT: 13.10 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

Instrument :

BNA_F

ClientSampleId :

40054(0-2)

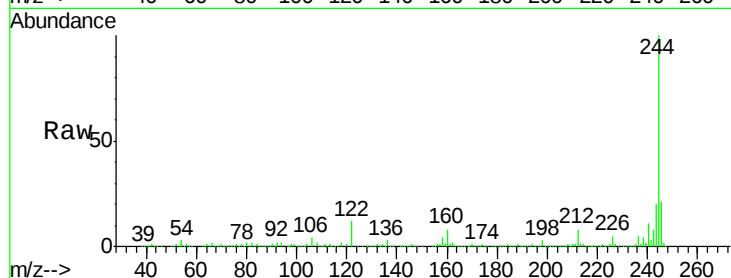
Tgt Ion:244 Resp: 1903760

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

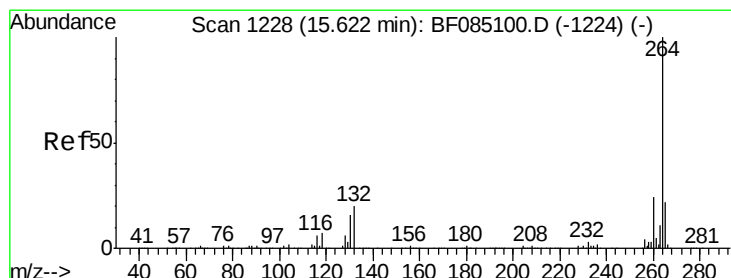
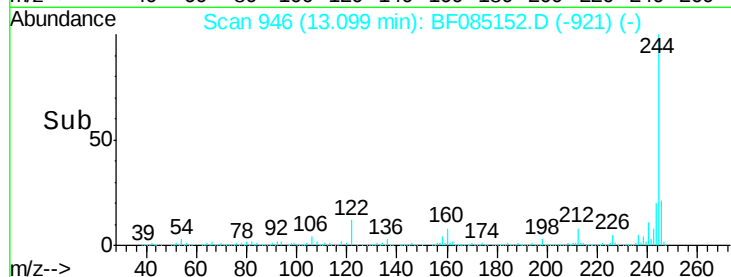
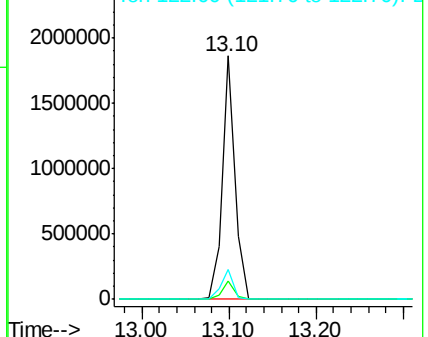
122 12.1 5.1 7.7#



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: 15.63 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF085152.D

Acq: 3 Mar 2016 6:29

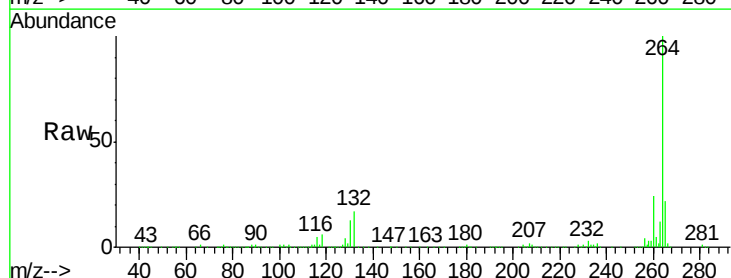
Tgt Ion:264 Resp: 428159

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

265 21.6 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

