

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083938.D
 Acq On : 19 Dec 2015 3:21
 Operator : UM/SJ
 Sample : G4840-03
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Quant Time: Dec 19 04:21:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	69095	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	246487	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	120050	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	198205	20.00	ng	0.00
75) Chrysene-d12	14.03	240	129467	20.00	ng	0.00
86) Perylene-d12	15.47	264	134455	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	271797	61.56	ng	0.00
7) Phenol-d6	6.51	99	228261	42.24	ng	0.00
23) Nitrobenzene-d5	7.44	82	397956	92.14	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	198646	150.20	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	661505	76.11	ng	-0.01
78) Terphenyl-d14	12.98	244	639645	117.94	ng	0.00

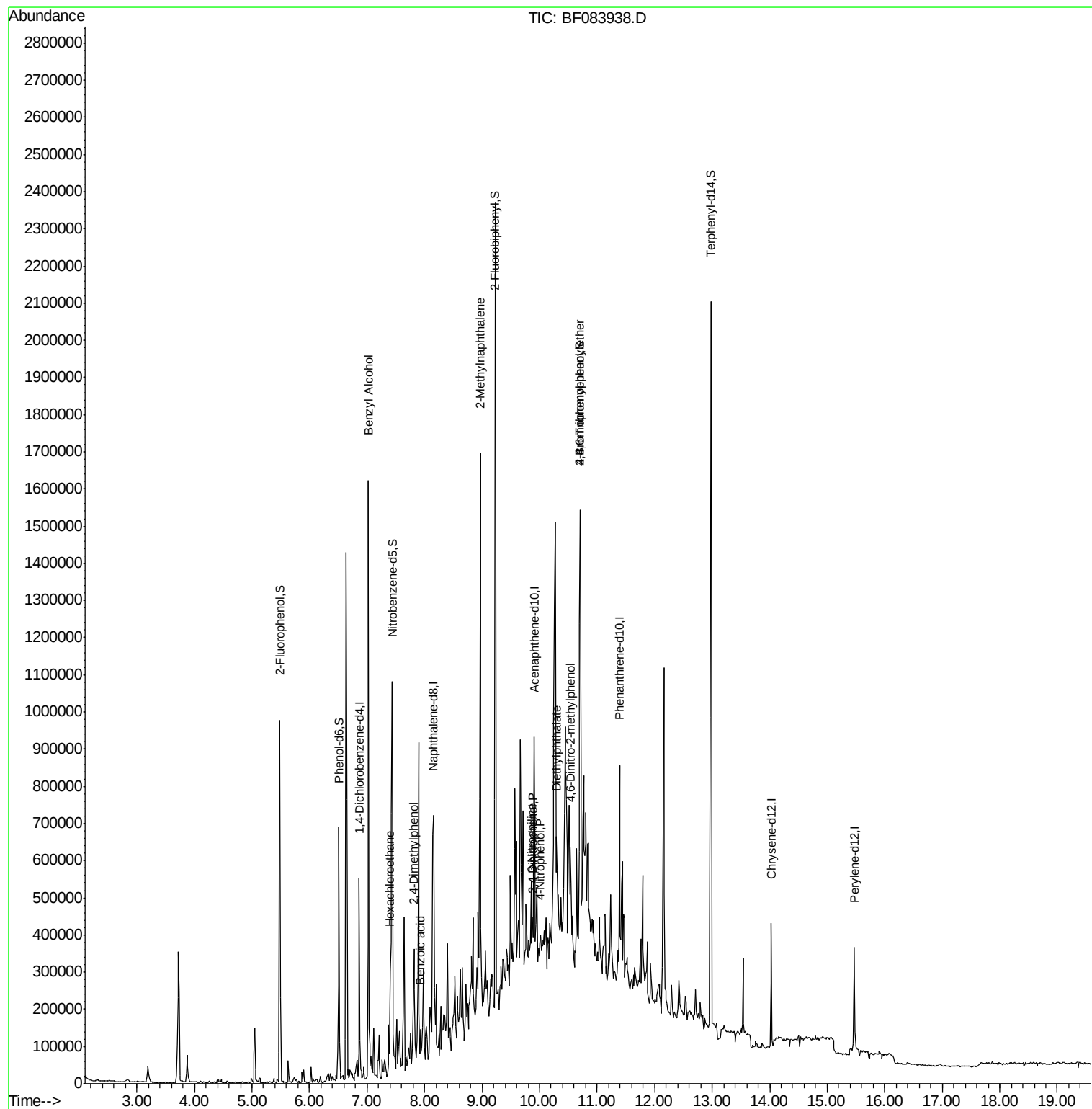
Target Compounds				Qvalue		
14) 1,2-Dichlorobenzene	7.04	146	1954	Below Cal	#	63
15) Benzyl Alcohol	7.02	79	8273	2.02	ng	37
18) Hexachloroethane	7.40	117	42890	20.26	ng	46
27) 2,4-Dimethylphenol	7.81	122	35063	8.80	ng	96
31) Naphthalene	8.18	128	5756	Below Cal	#	1
32) Benzoic acid	7.93	122	7719	8.58	ng	56
36) 4-Chloro-3-methylphenol	8.73	107	2501	Below Cal	#	20
37) 2-Methylnaphthalene	8.97	142	355734	41.52	ng	95
45) 1,1'-Biphenyl	9.34	154	232	Below Cal	#	1
46) 2-Chloronaphthalene	9.33	162	818	Below Cal	#	1
52) 3-Nitroaniline	9.87	138	4866	2.10	ng	19
53) 2,4-Dinitrophenol	9.88	184	928	11.32	ng	1
55) 4-Nitrophenol	10.01	139	3084	2.13	ng	1
57) Fluorene	10.45	166	18489	Below Cal	#	93
59) Diethylphthalate	10.29	149	55344	5.31	ng	44
64) 4,6-Dinitro-2-methylphenol	10.53	198	1936	5.39	ng	1
66) 4-Bromophenyl-phenylether	10.70	248	12706	5.24	ng	1
77) Pyrene	12.83	202	2053	Below Cal	#	19

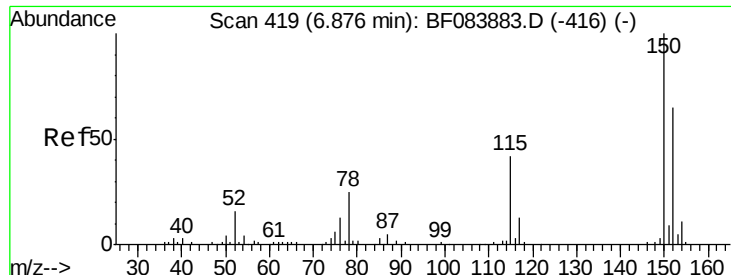
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampleId :

W-02

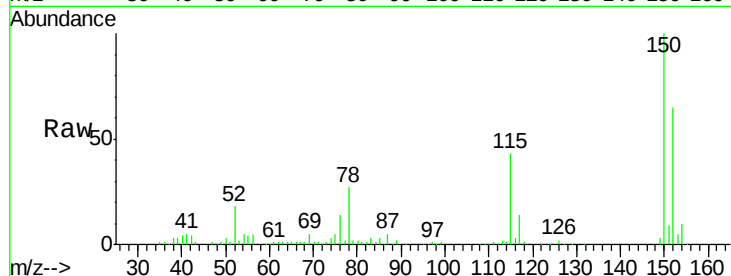
Tgt Ion:152 Resp: 69095

Ion Ratio Lower Upper

152 100

150 153.9 123.0 184.4

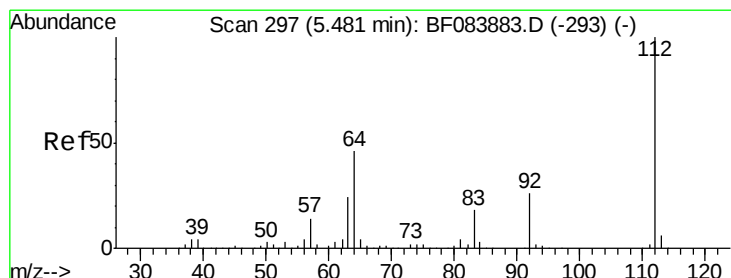
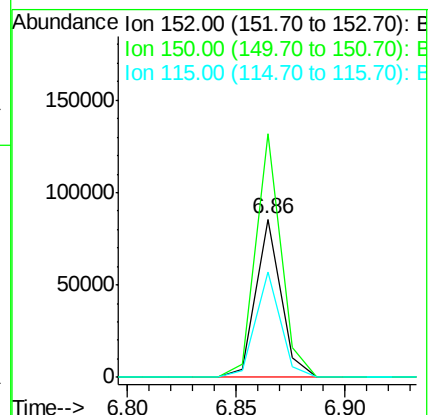
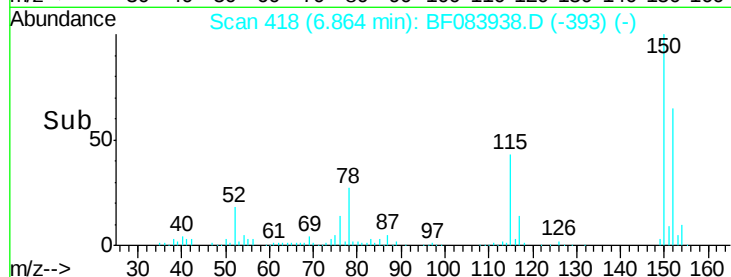
115 66.7 51.4 77.2



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: 61.56 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

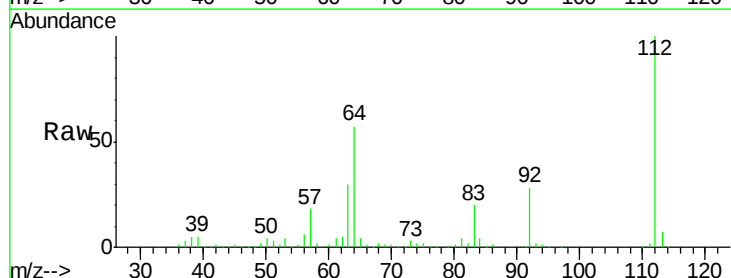
Tgt Ion:112 Resp: 271797

Ion Ratio Lower Upper

112 100

64 57.2 36.6 55.0#

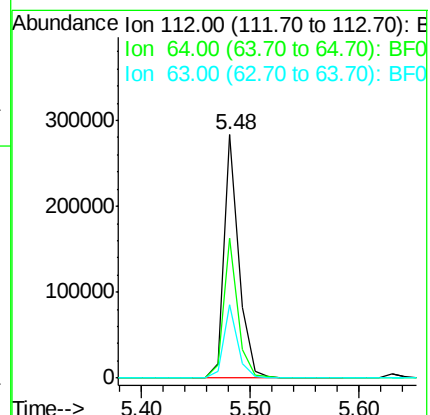
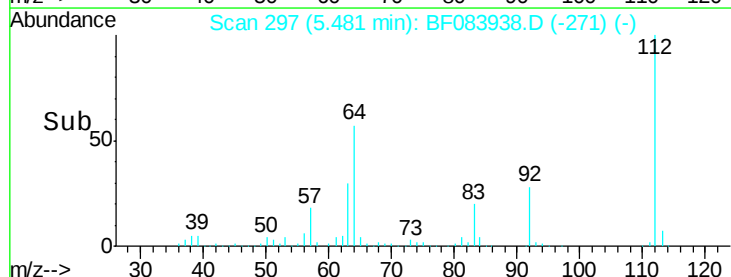
63 30.1 19.4 29.0#

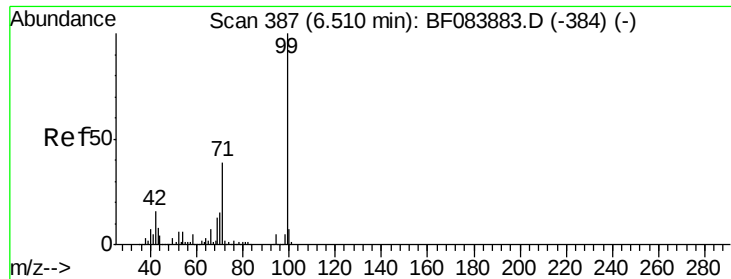


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.24 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampleId :

W-02

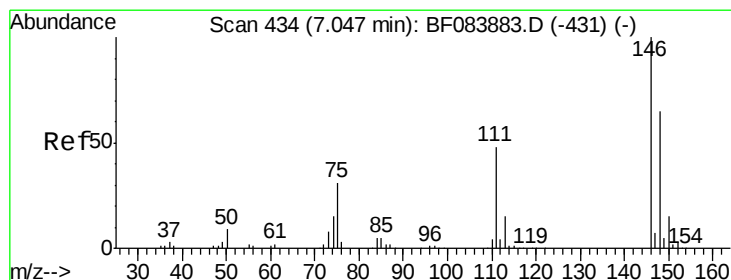
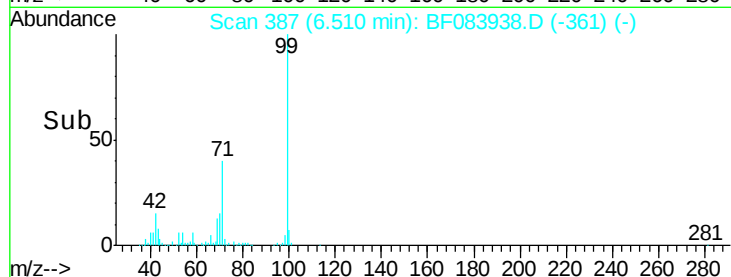
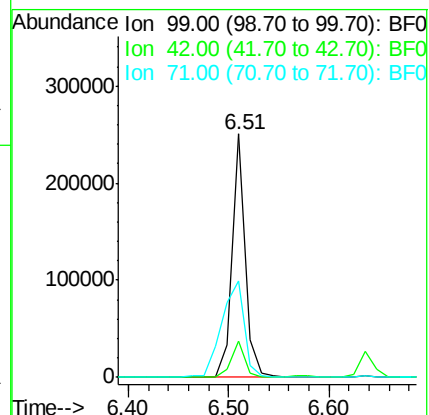
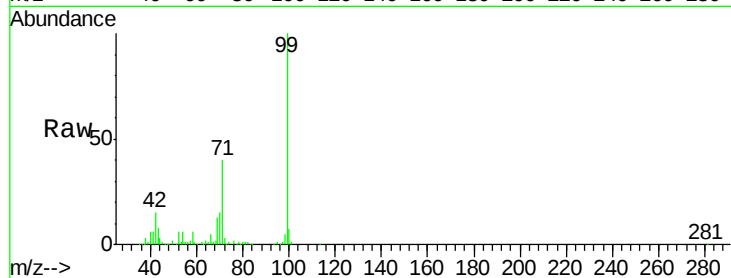
Tgt Ion: 99 Resp: 228261

Ion Ratio Lower Upper

99 100

42 15.0 12.8 19.2

71 39.8 30.9 46.3



#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

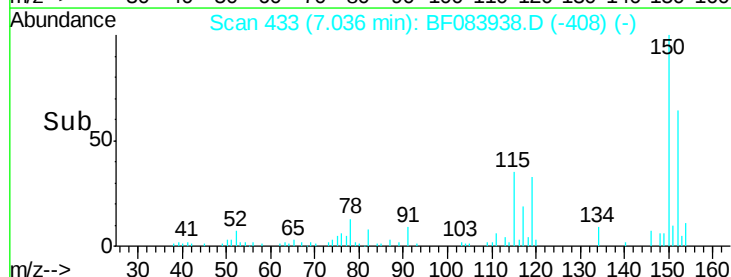
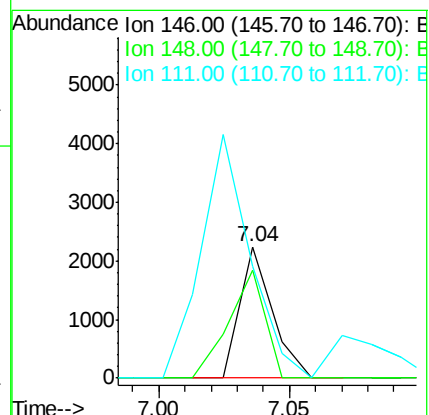
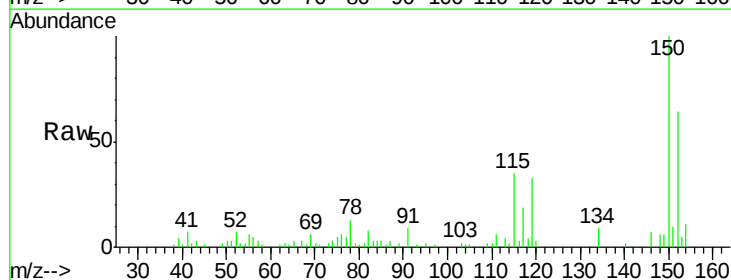
Tgt Ion: 146 Resp: 1954

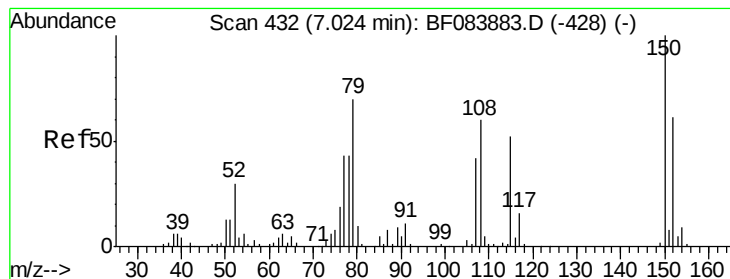
Ion Ratio Lower Upper

146 100

148 82.2 51.6 77.4#

111 85.4 38.0 57.0#





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 7.02 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampleId :

W-02

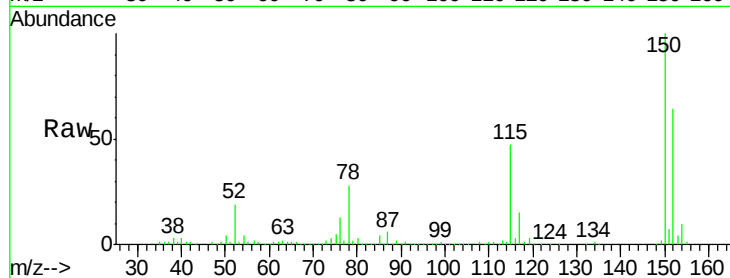
Tgt Ion: 79 Resp: 8273

Ion Ratio Lower Upper

79 100

108 30.4 69.0 103.4#

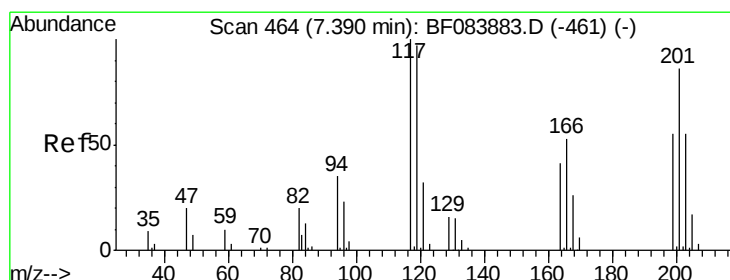
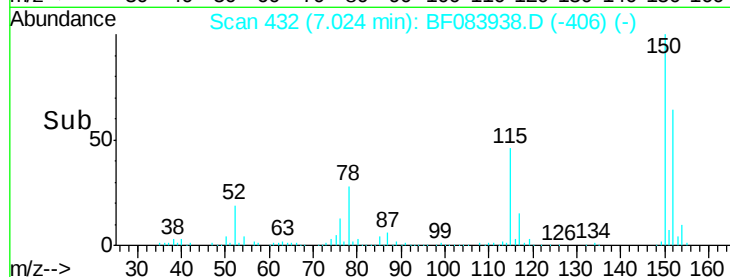
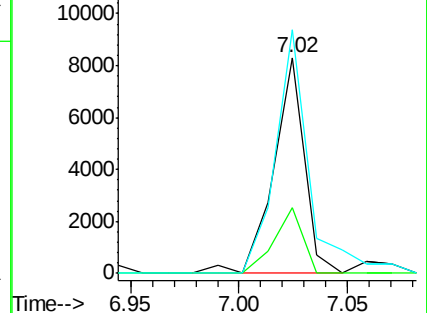
77 112.8 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 20.26 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.01 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

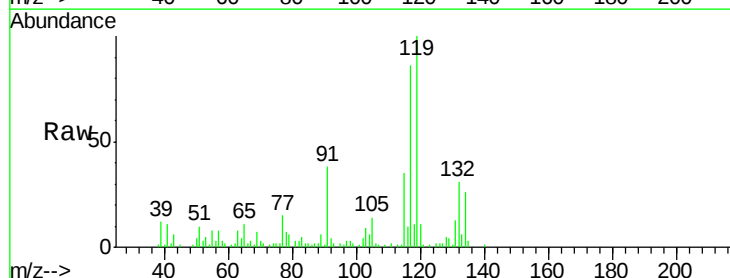
Tgt Ion: 117 Resp: 42890

Ion Ratio Lower Upper

117 100

119 116.1 77.4 116.0#

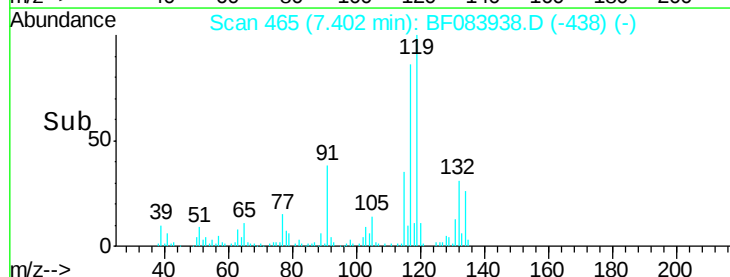
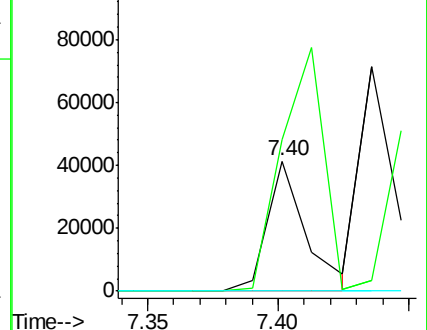
201 0.0 68.6 103.0#

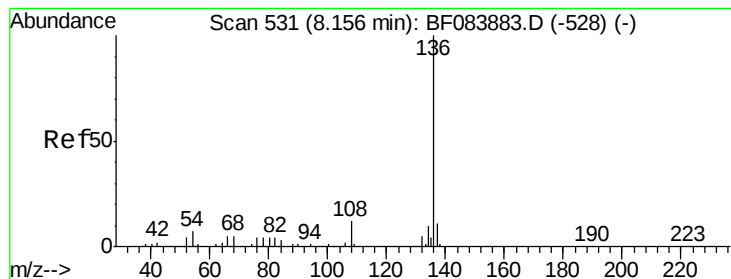


Abundance Ion 117.00 (116.70 to 117.70): E

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: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampled :

W-02

Tgt Ion: 136 Resp: 246487

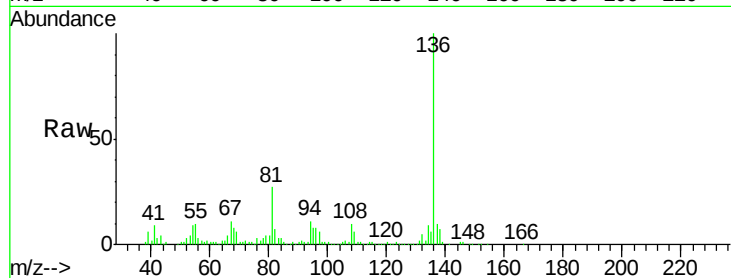
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 8.8 5.8 8.8#

68 8.1 4.2 6.2#

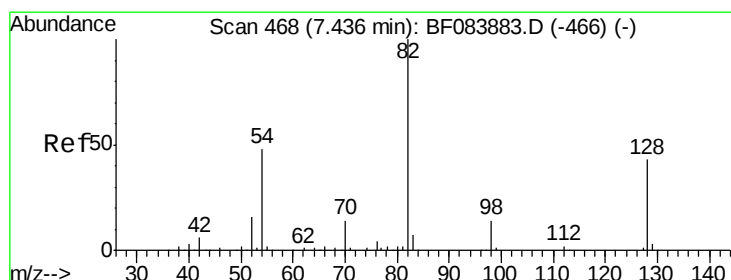
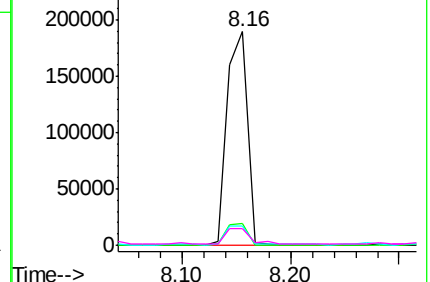
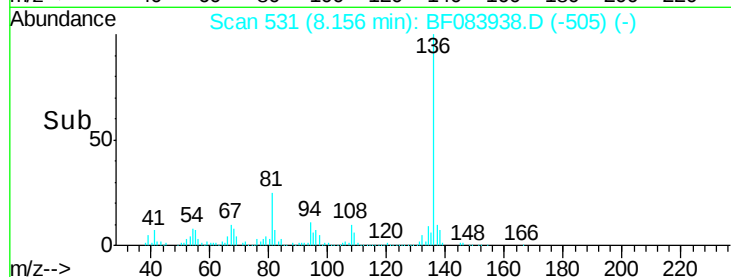


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.14 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

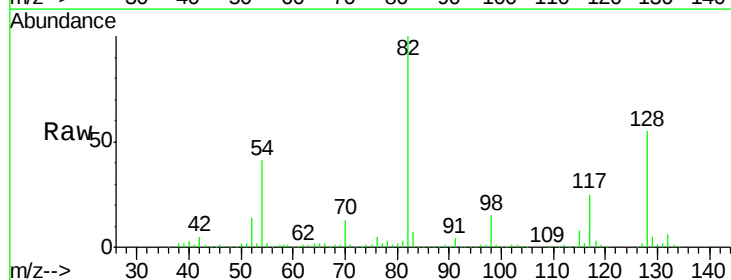
Tgt Ion: 82 Resp: 397956

Ion Ratio Lower Upper

82 100

128 55.3 34.6 51.8#

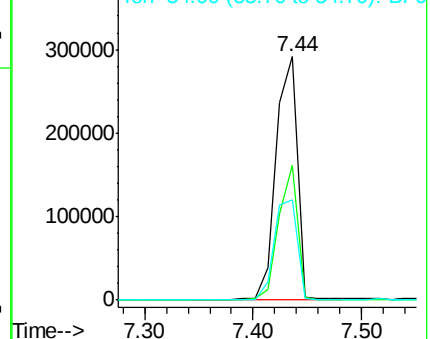
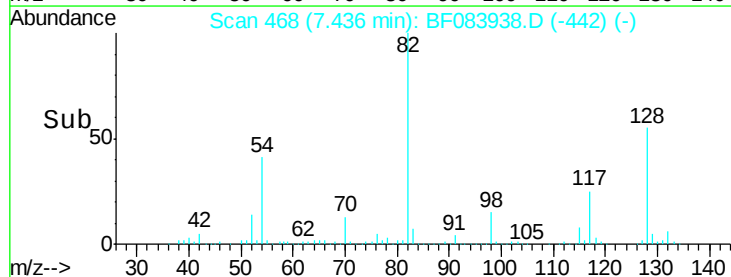
54 41.1 38.4 57.6

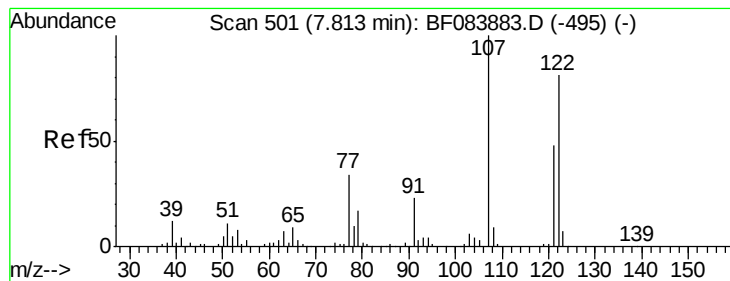


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 8.80 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampleId :

W-02

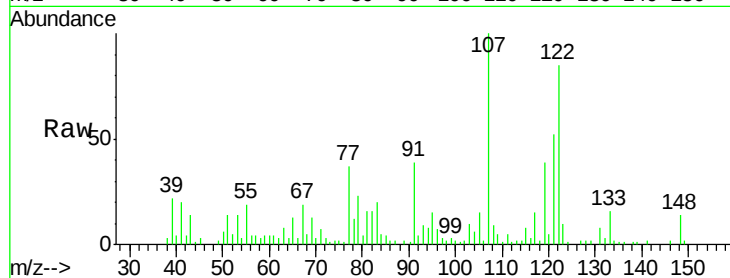
Tgt Ion:122 Resp: 35063

Ion Ratio Lower Upper

122 100

107 117.6 99.1 148.7

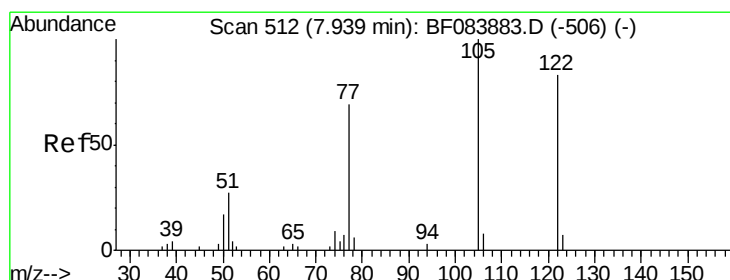
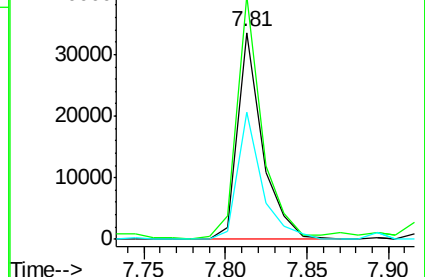
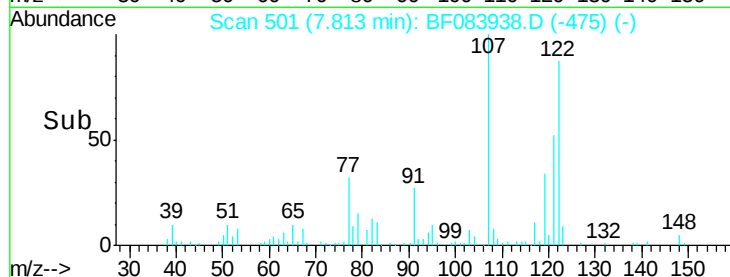
121 61.3 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 8.58 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

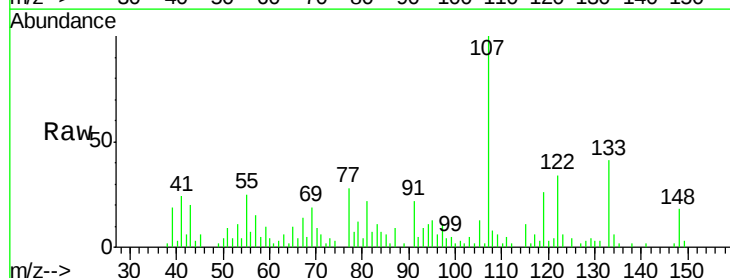
Tgt Ion:122 Resp: 7719

Ion Ratio Lower Upper

122 100

105 37.3 100.3 140.3#

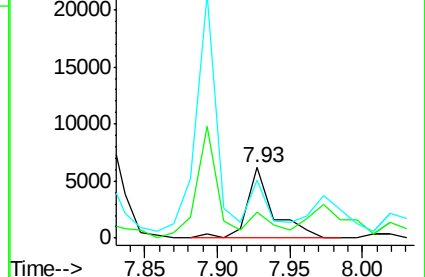
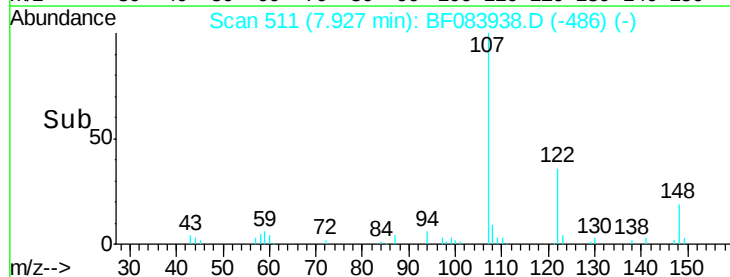
77 82.9 63.5 103.5

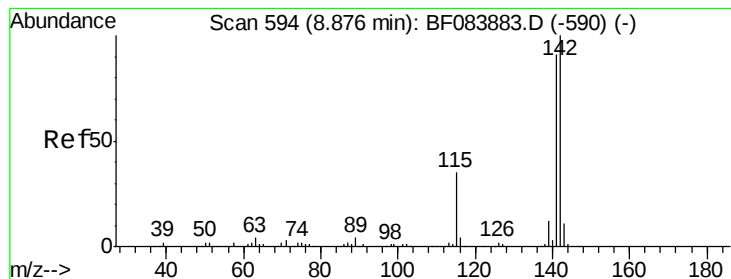


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

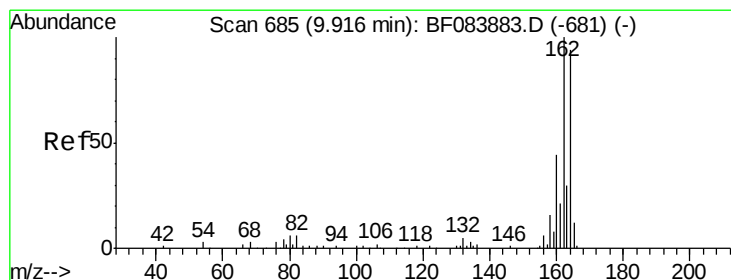
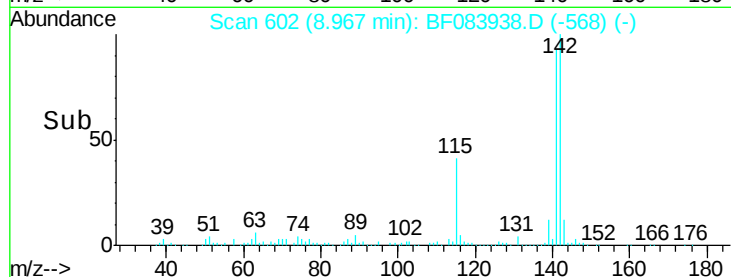
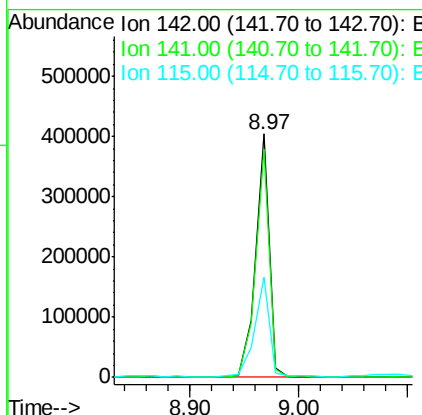
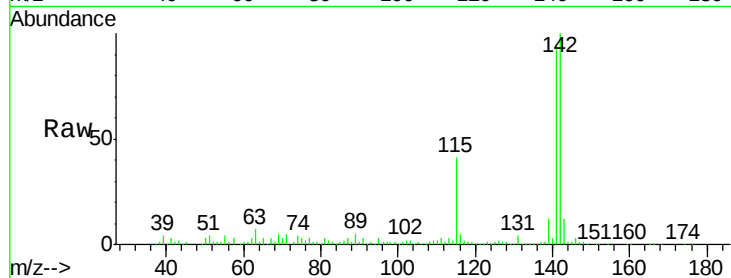




#37
 2-Methylnaphthalene
 Concen: 41.52 ng
 RT: 8.97 min Scan# 602
 Delta R.T. 0.09 min
 Lab File: BF083938.D
 Acq: 19 Dec 2015 3:21

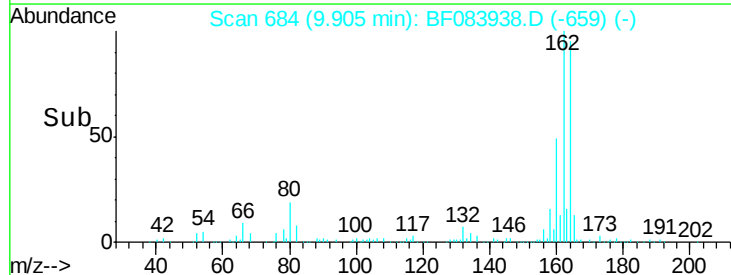
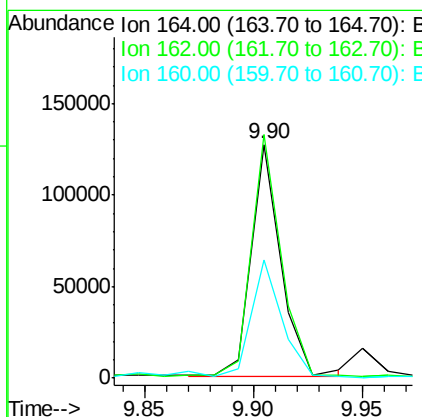
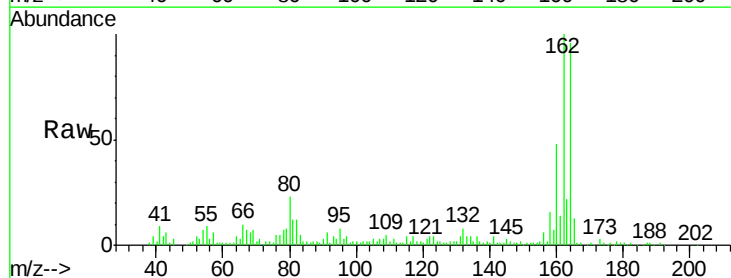
Instrument :
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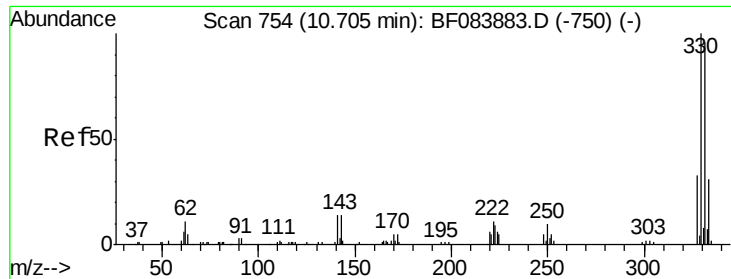
Tgt Ion:142 Resp: 355734
 Ion Ratio Lower Upper
 142 100
 141 93.5 72.4 108.6
 115 41.3 27.9 41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.01 min
 Lab File: BF083938.D
 Acq: 19 Dec 2015 3:21

Tgt Ion:164 Resp: 120050
 Ion Ratio Lower Upper
 164 100
 162 104.3 85.1 127.7
 160 50.6 37.5 56.3

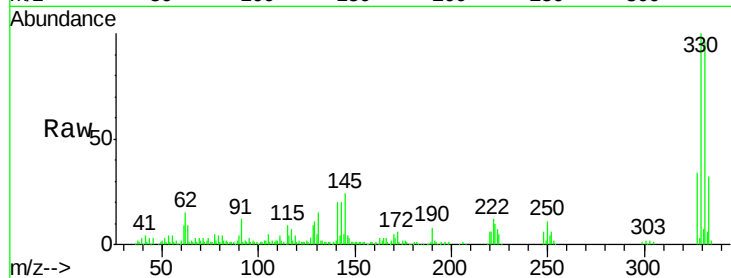




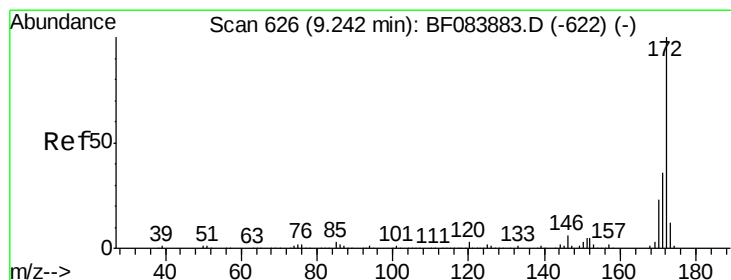
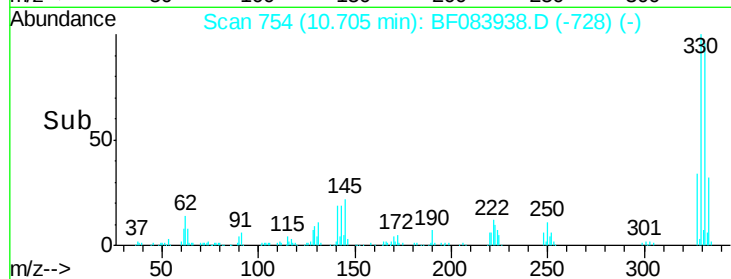
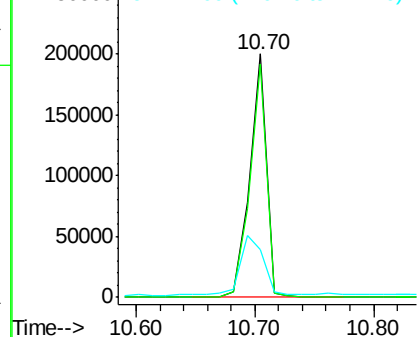
#41
 2,4,6-Tribromophenol
 Concen: 150.20 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: BF083938.D
 Acq: 19 Dec 2015 3:21

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:330 Resp: 198646
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 114.8
 141 34.4 27.8 41.6

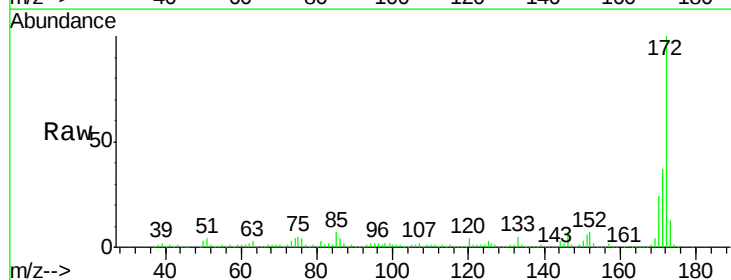


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

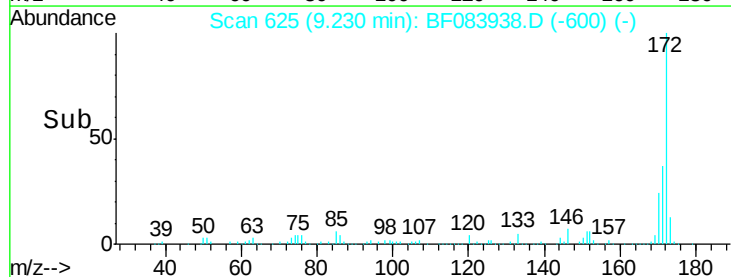
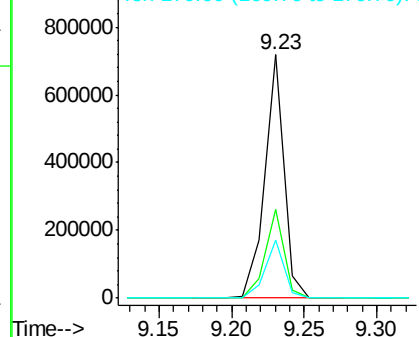


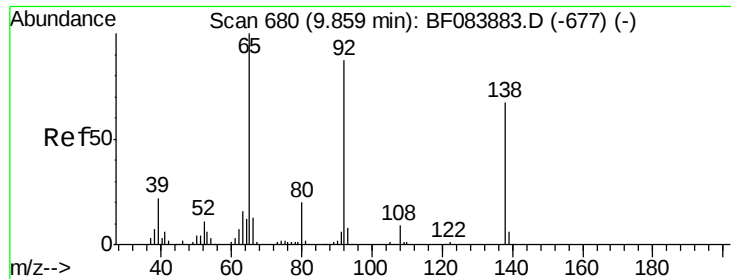
#44
 2-Fluorobiphenyl
 Concen: 76.11 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083938.D
 Acq: 19 Dec 2015 3:21

Tgt Ion:172 Resp: 661505
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 23.8 18.6 27.8



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





#52

3-Nitroaniline

Concen: 2.10 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.01 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampled :

W-02

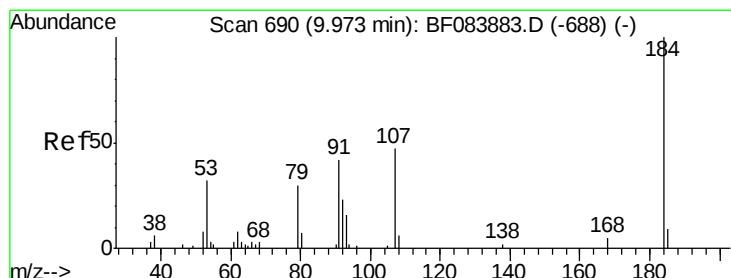
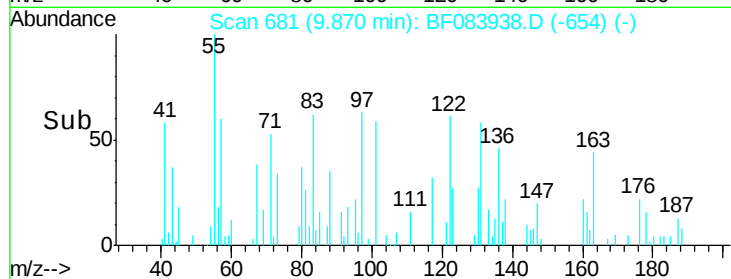
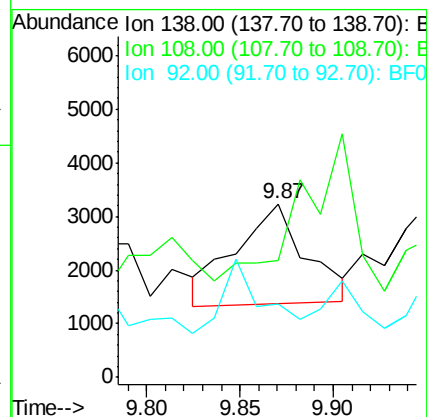
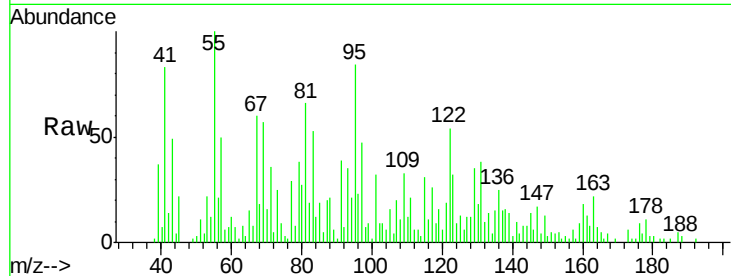
Tgt Ion:138 Resp: 4866

Ion Ratio Lower Upper

138 100

108 67.8 10.5 15.7#

92 42.2 103.9 155.9#



#53

2,4-Dinitrophenol

Concen: 11.32 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.09 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

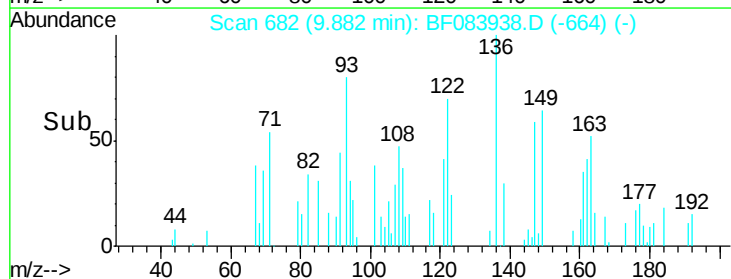
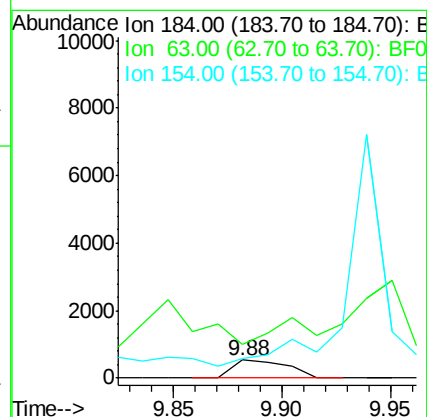
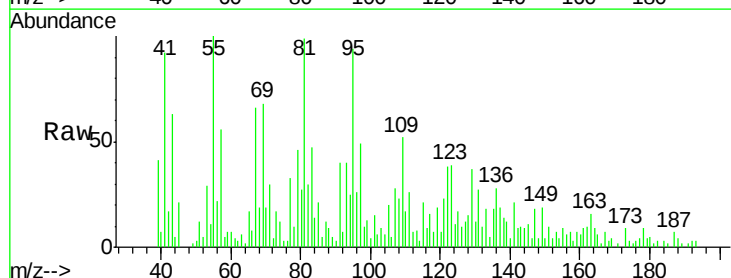
Tgt Ion:184 Resp: 928

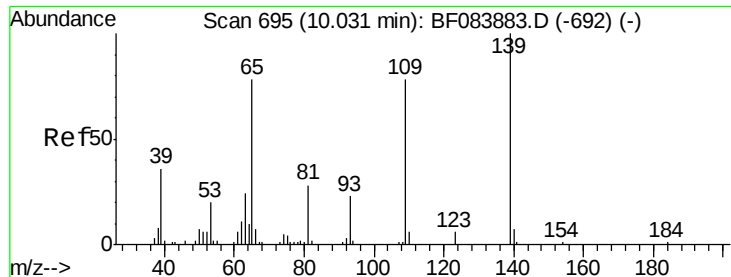
Ion Ratio Lower Upper

184 100

63 190.7 43.1 64.7#

154 110.0 60.5 90.7#

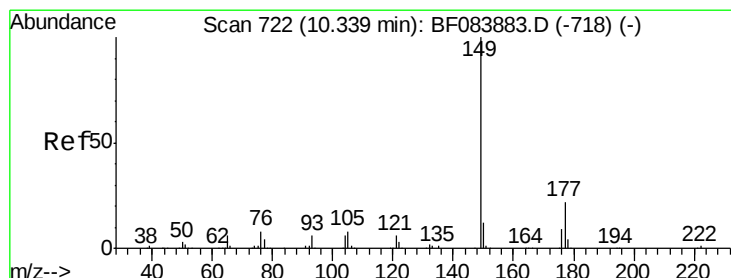
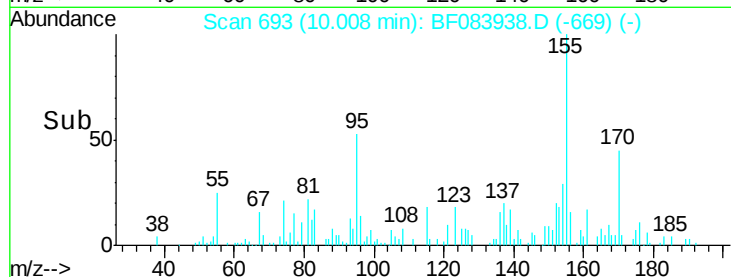
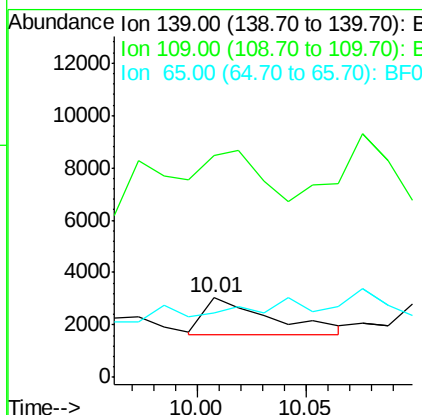
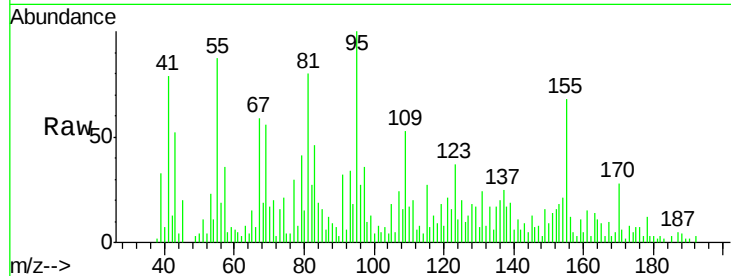




#55
4-Nitrophenol
Concen: 2.13 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.02 min
Lab File: BF083938.D
Acq: 19 Dec 2015 3:21

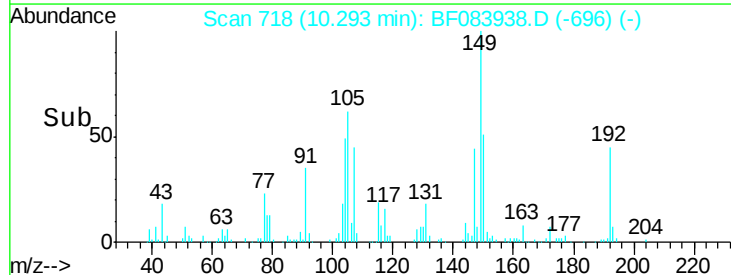
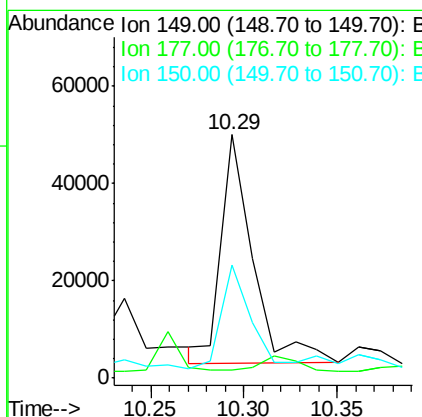
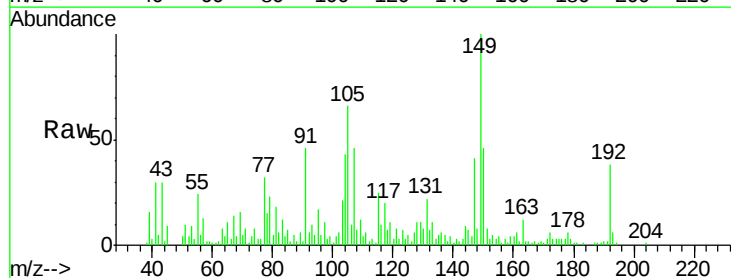
Instrument :
BNA_F
ClientSampleId :
W-02

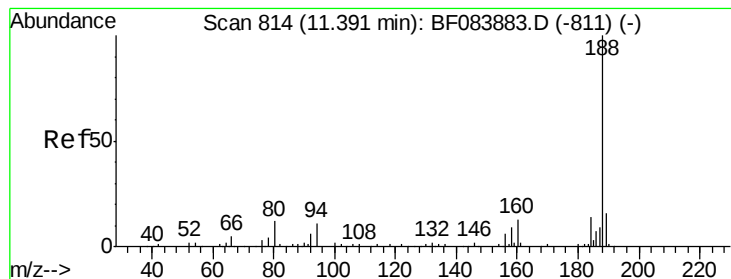
Tgt Ion:139 Resp: 3084
Ion Ratio Lower Upper
139 100
109 279.1 58.5 98.5#
65 80.9 57.6 97.6



#59
Diethylphthalate
Concen: 5.31 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.05 min
Lab File: BF083938.D
Acq: 19 Dec 2015 3:21

Tgt Ion:149 Resp: 55344
Ion Ratio Lower Upper
149 100
177 3.3 17.3 25.9#
150 46.3 9.8 14.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampleId :

W-02

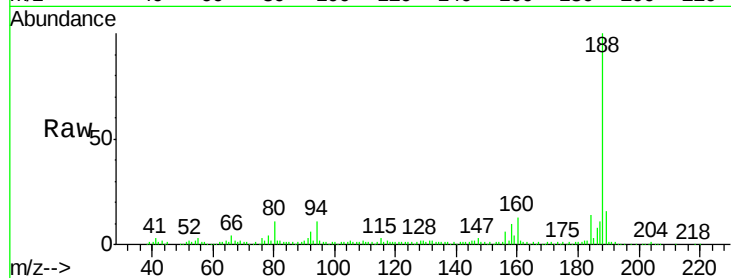
Tgt Ion:188 Resp: 198205

Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.4

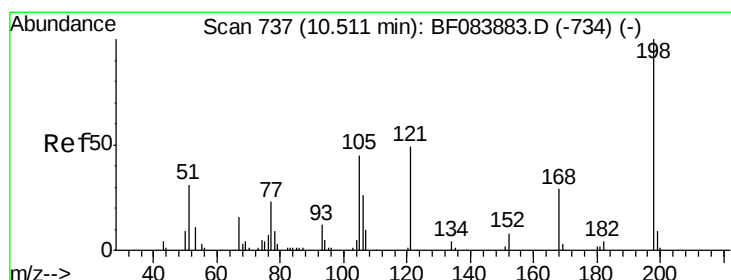
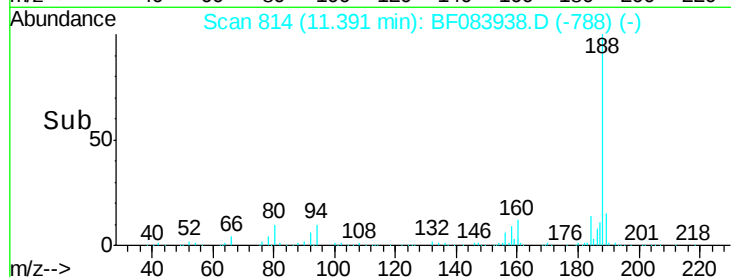
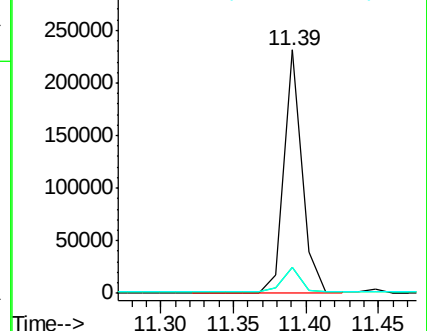
80 10.7 9.6 14.4



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: 5.39 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

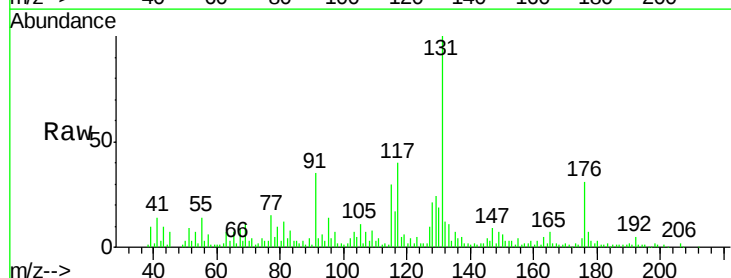
Tgt Ion:198 Resp: 1936

Ion Ratio Lower Upper

198 100

51 549.7 18.9 58.9#

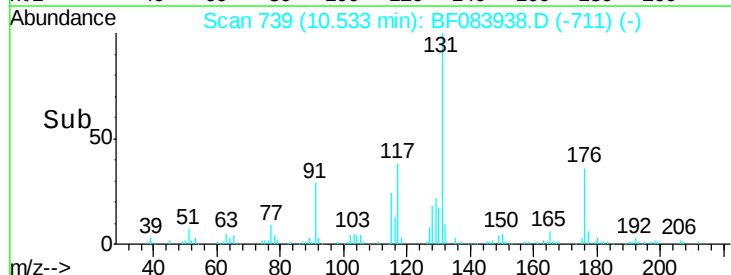
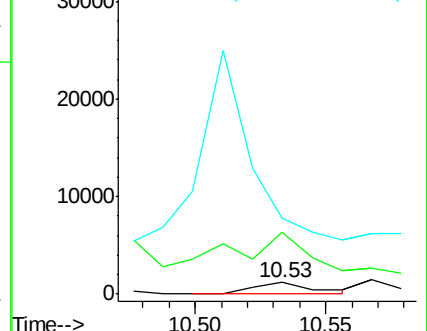
105 662.4 26.4 66.4#

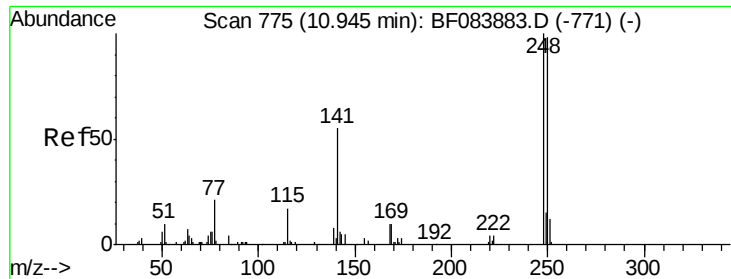


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.24 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.24 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

Instrument :

BNA_F

ClientSampleId :

W-02

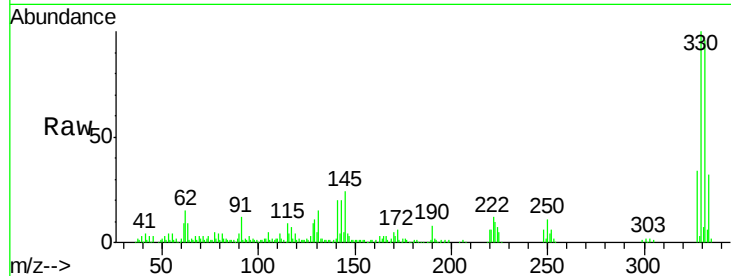
Tgt Ion:248 Resp: 12706

Ion Ratio Lower Upper

248 100

250 194.5 78.4 117.6#

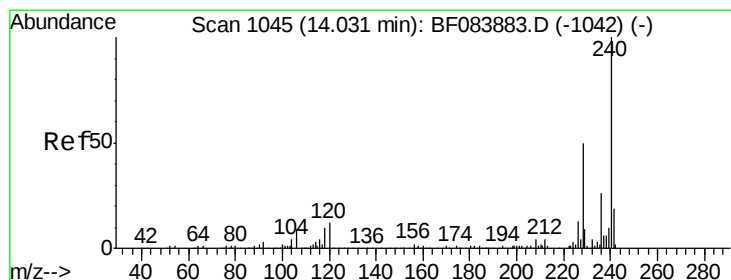
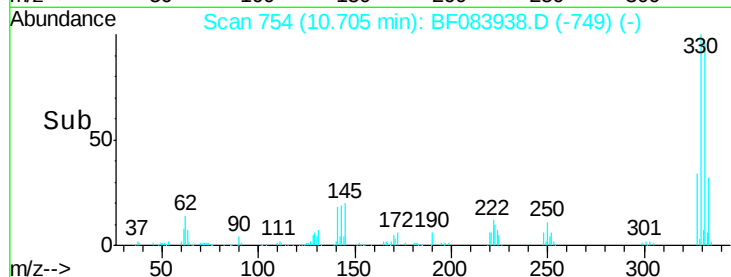
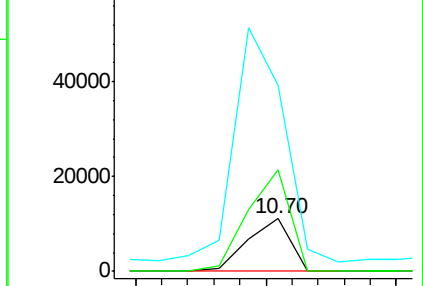
141 354.5 44.0 66.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BF083938.D

Acq: 19 Dec 2015 3:21

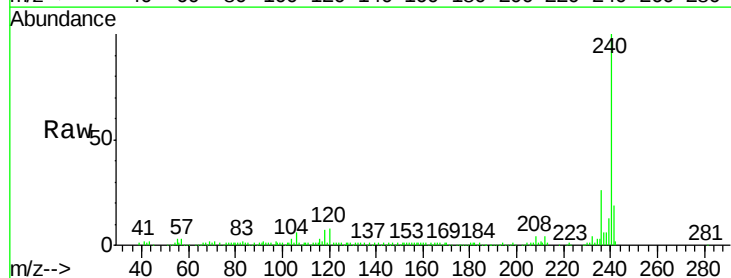
Tgt Ion:240 Resp: 129467

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

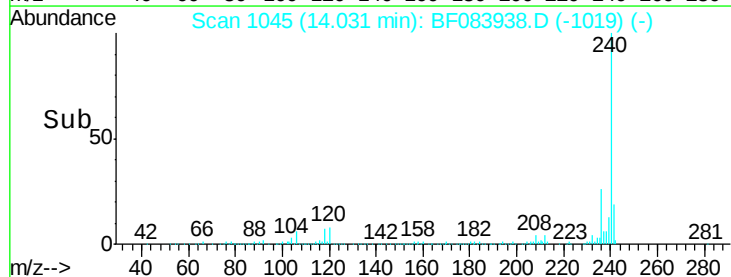
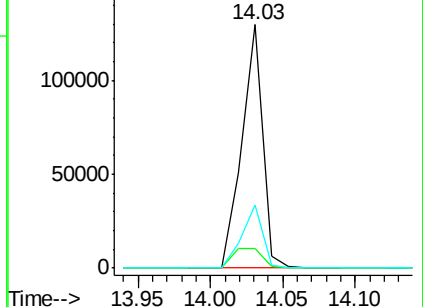
236 25.8 20.6 31.0

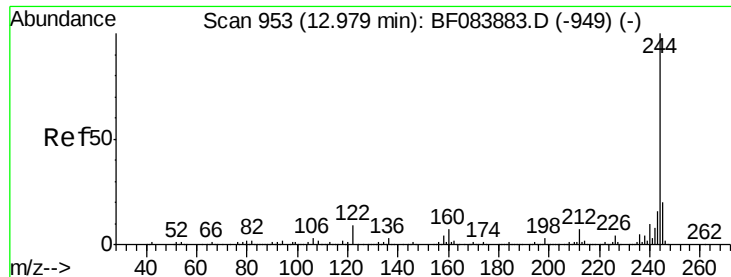


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

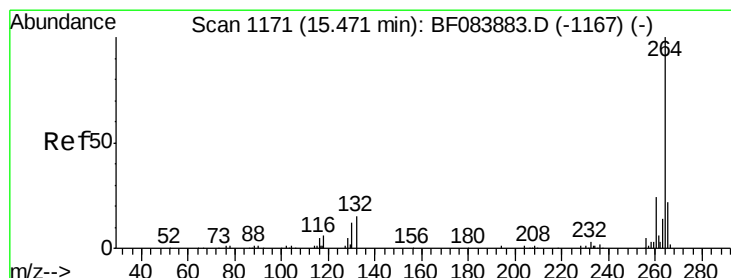
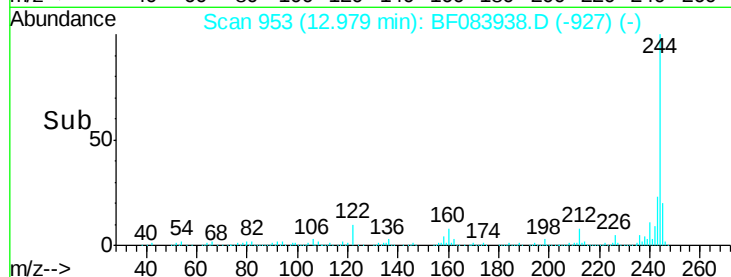
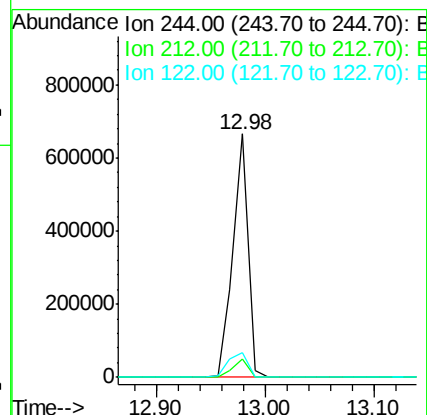
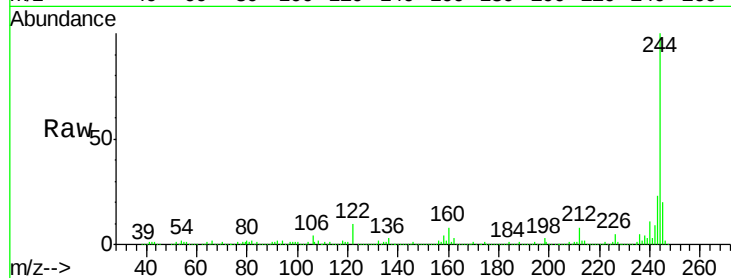




#78
 Terphenyl-d14
 Concen: 117.94 ng
 RT: 12.98 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF083938.D
 Acq: 19 Dec 2015 3:21

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Tgt Ion:244 Resp: 639645
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 10.3 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BF083938.D
 Acq: 19 Dec 2015 3:21

Tgt Ion:264 Resp: 134455
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.3 17.8 26.6

