

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084337.D
 Acq On : 8 Jan 2016 19:34
 Operator : SJ/UM
 Sample : H1044-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFFWW

Quant Time: Jan 08 22:20:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

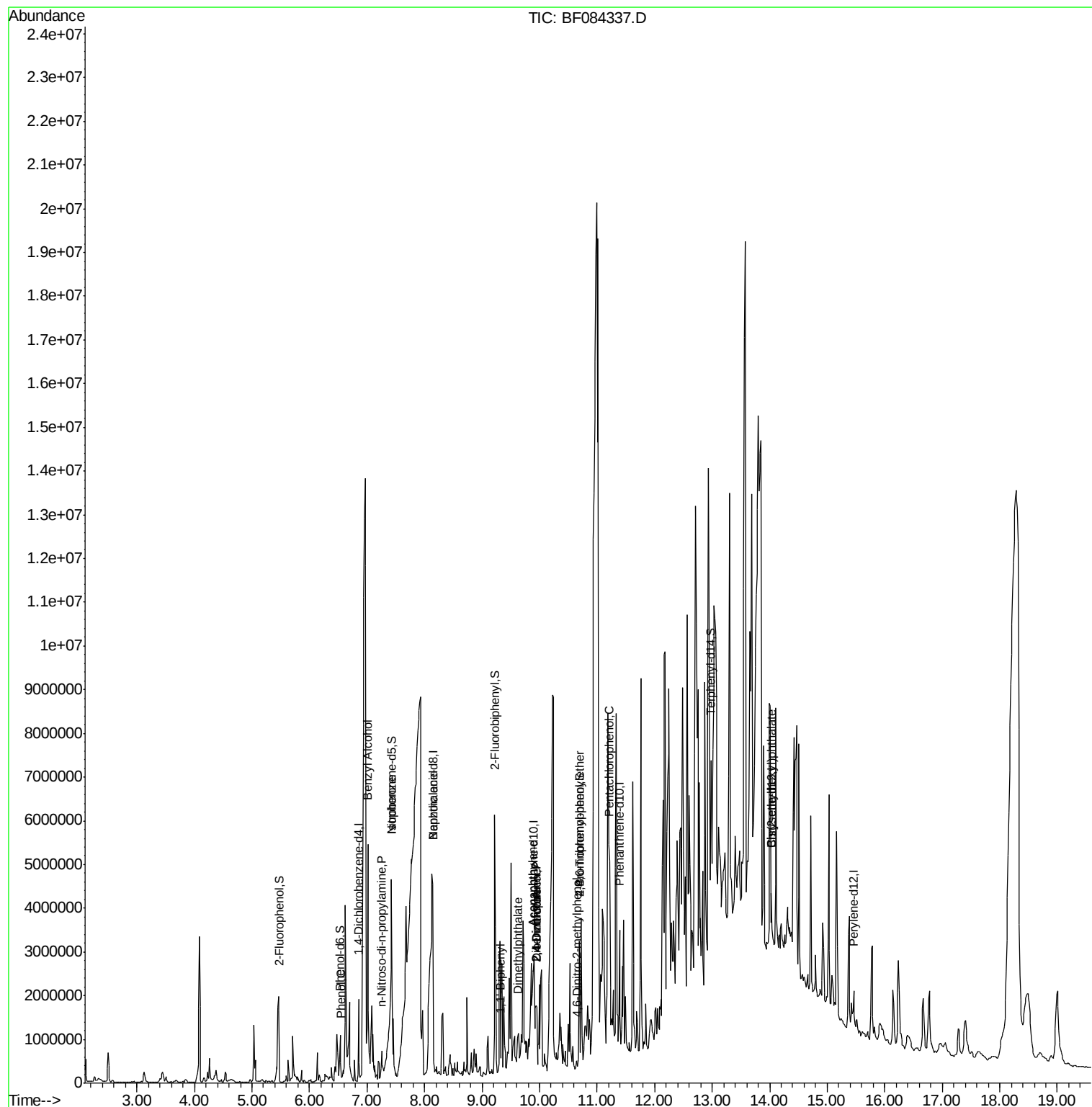
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	238638	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	917480	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	432706	20.00	ng	-0.06
63) Phenanthrene-d10	11.39	188	782741	20.00	ng	-0.03
75) Chrysene-d12	14.03	240	469343	20.00	ng	-0.03
86) Perylene-d12	15.46	264	450743	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	723663	49.05	ng	-0.02
7) Phenol-d6	6.53	99	612384	33.05	ng	0.00
23) Nitrobenzene-d5	7.42	82	1400209	84.94	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	415101	95.02	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2165102	88.26	ng	-0.05
78) Terphenyl-d14	12.98	244	1172021	55.74	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.54	94	52536	2.49	ng	98
15) Benzyl Alcohol	7.01	79	57908	3.72	ng	# 49
19) n-Nitroso-di-n-propylamine	7.25	70	27154	2.16	ng	# 1
25) Isophorone	7.42	82	1087745	34.50	ng	# 67
32) Benzoic acid	8.14	122	927251	87.64	ng	98
45) 1,1'-Biphenyl	9.32	154	69549	2.02	ng	93
48) Acenaphthylene	9.88	152	91419	2.29	ng	# 40
49) Dimethylphthalate	9.62	163	97311	3.15	ng	# 90
53) 2,4-Dinitrophenol	9.95	184	2563	4.40	ng	# 80
54) Dibenzofuran	9.94	168	169283	2.05	ng	# 59
56) 2,4-Dinitrotoluene	9.94	165	49550	5.77	ng	# 44
57) Fluorene	10.46	166	2767	Below	Cal	# 1
60) 4-Chlorophenyl-phenylether	10.42	204	681	Below	Cal	# 80
64) 4,6-Dinitro-2-methylphenol	10.65	198	642	6.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	25622	3.04	ng	# 1
69) Pentachlorophenol	11.22	266	20167	4.10	ng	97
73) Di-n-butylphthalate	11.95	149	13164	Below	Cal	# 89
83) Bis(2-ethylhexyl)phthalate	14.03	149	88257	4.38	ng	# 91

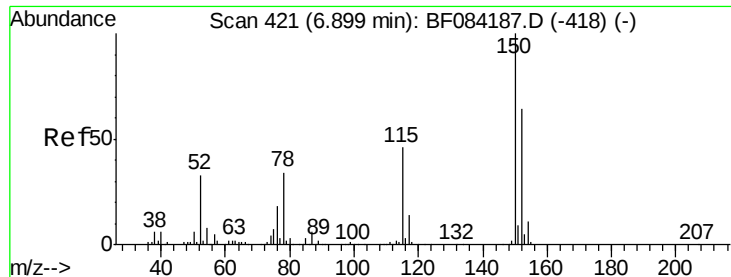
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 08 22:20:13 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

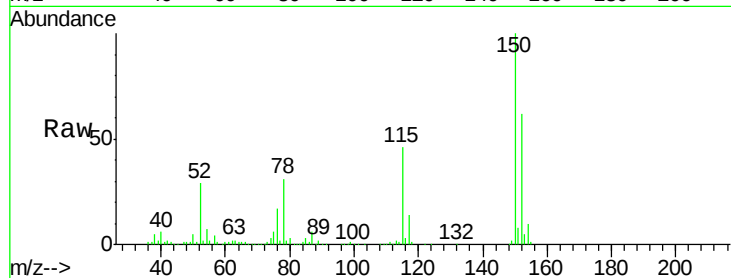
Tgt Ion:152 Resp: 238638

Ion Ratio Lower Upper

152 100

150 160.5 123.0 184.4

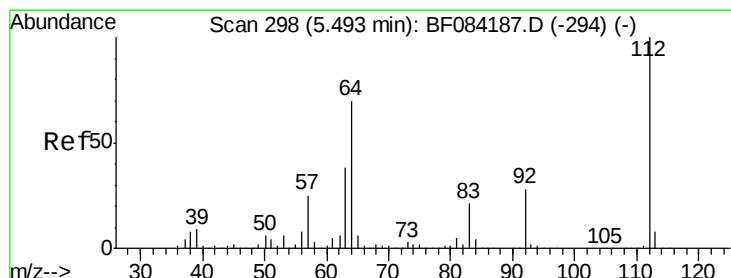
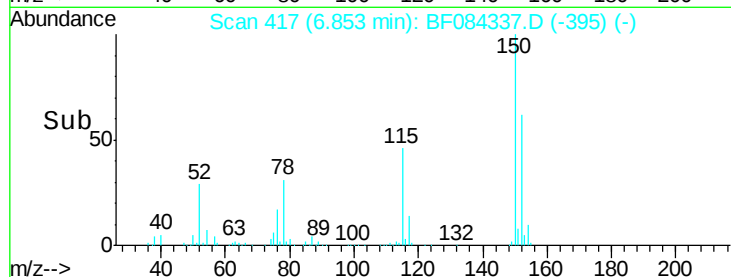
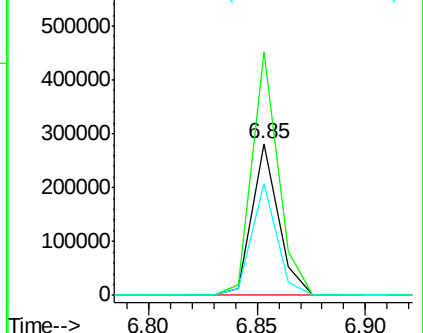
115 73.9 51.4 77.2



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: 49.05 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

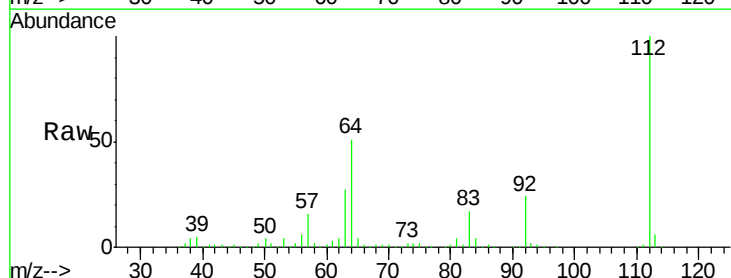
Tgt Ion:112 Resp: 723663

Ion Ratio Lower Upper

112 100

64 51.3 36.6 55.0

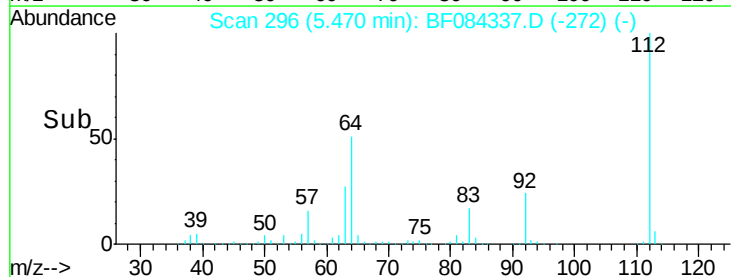
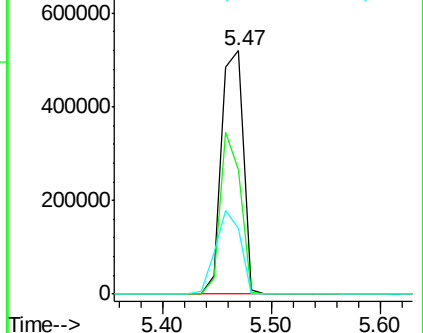
63 26.8 19.4 29.0

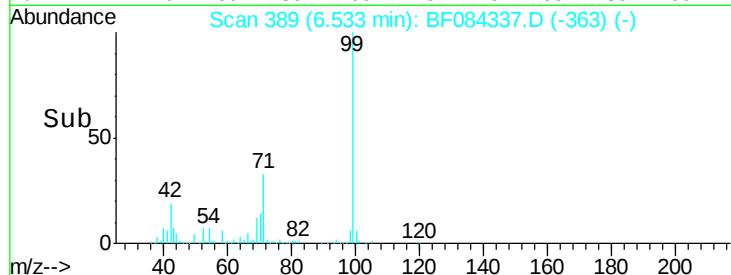
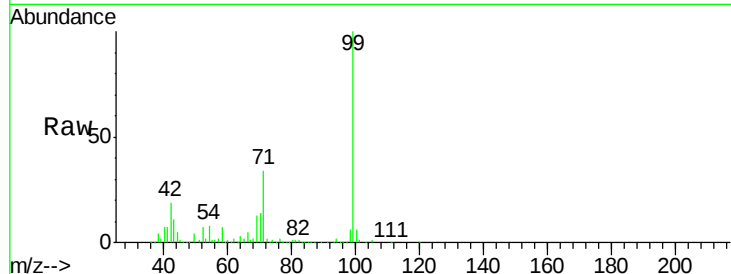
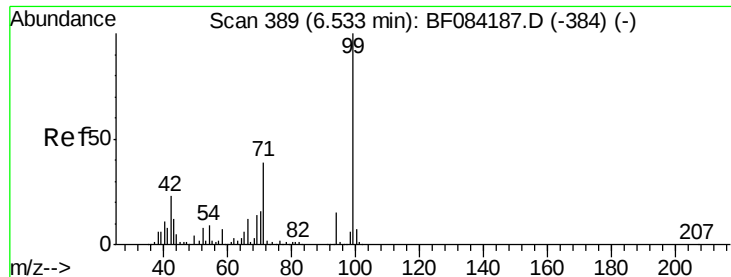


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.05 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

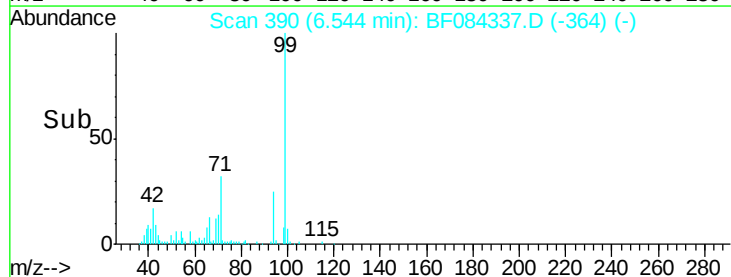
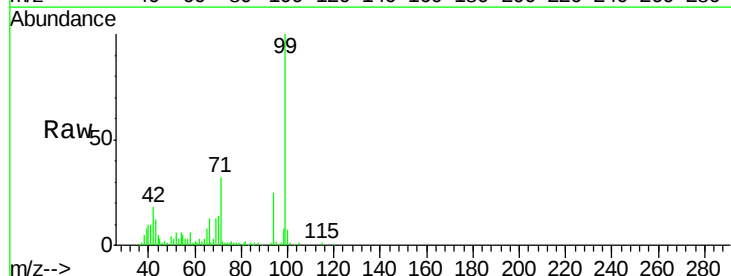
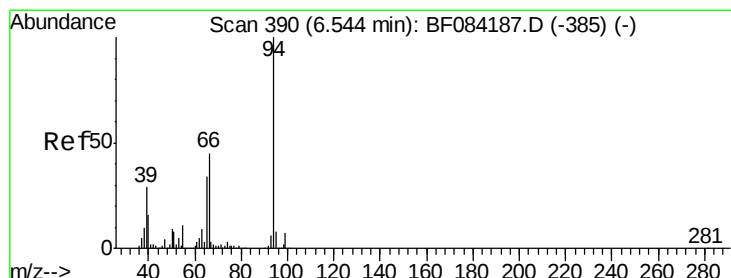
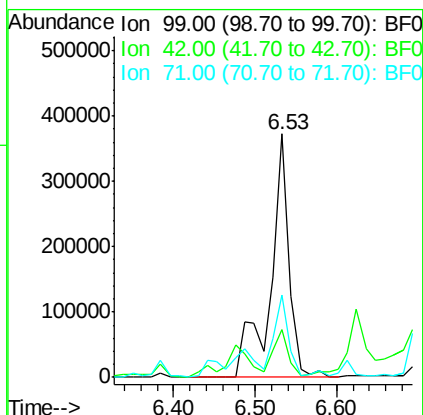
Tgt Ion: 99 Resp: 612384

Ion Ratio Lower Upper

99 100

42 19.4 12.8 19.2#

71 33.7 30.9 46.3



#10

Phenol

Concen: 2.49 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

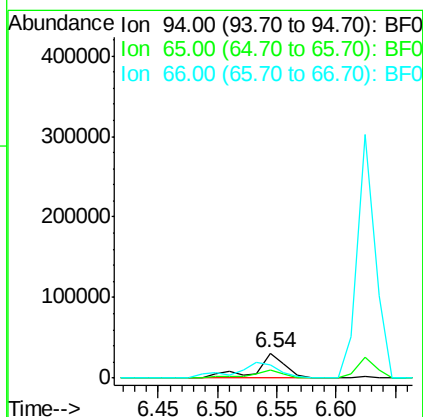
Tgt Ion: 94 Resp: 52536

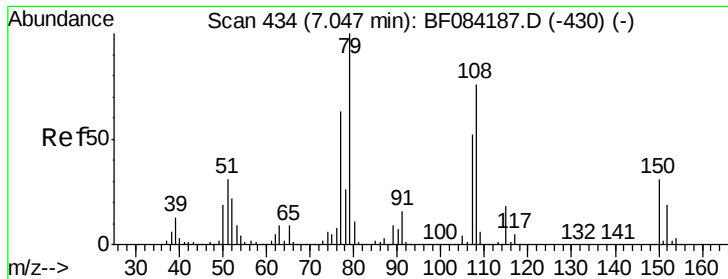
Ion Ratio Lower Upper

94 100

65 31.2 12.9 52.9

66 52.3 32.7 72.7





#15

Benzyl Alcohol

Concen: 3.72 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.03 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

EFFWW

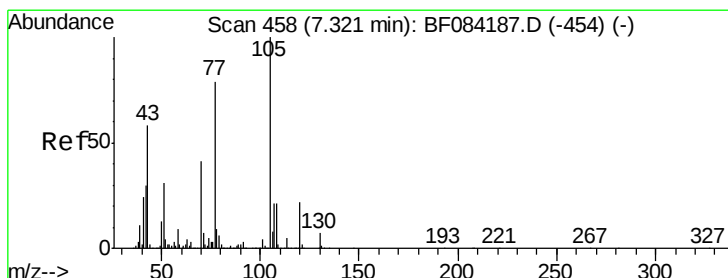
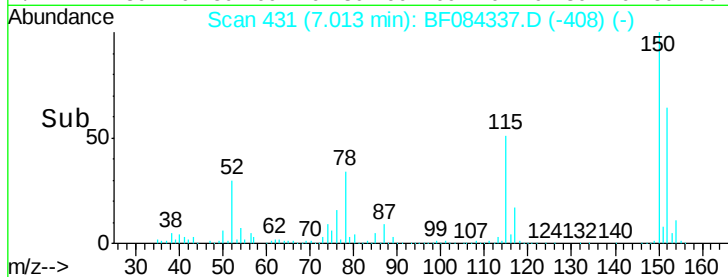
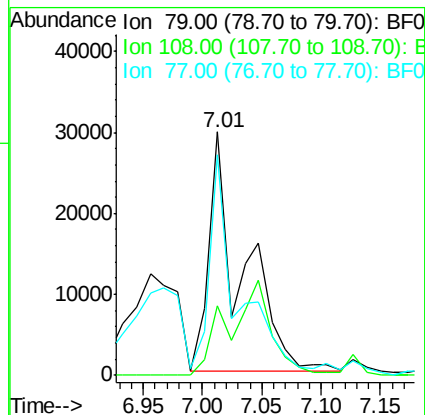
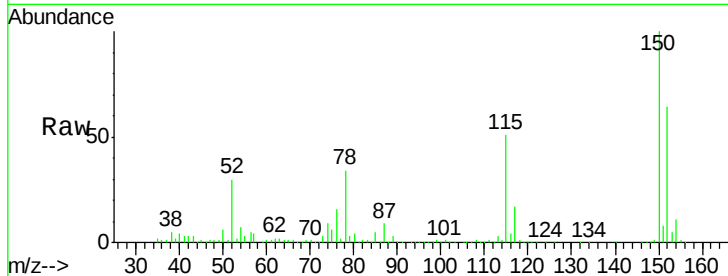
Tgt Ion: 79 Resp: 57908

Ion Ratio Lower Upper

79 100

108 28.8 69.0 103.4#

77 90.4 50.0 75.0#



#19

n-Nitroso-di-n-propylamine

Concen: 2.16 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.07 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Tgt Ion: 70 Resp: 27154

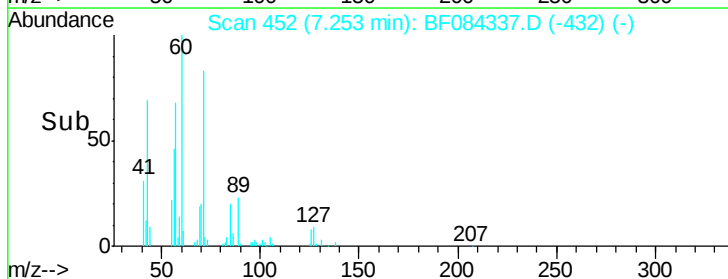
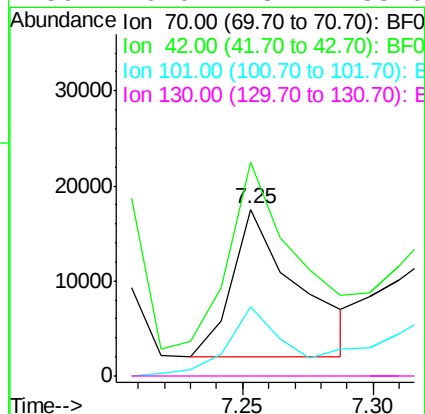
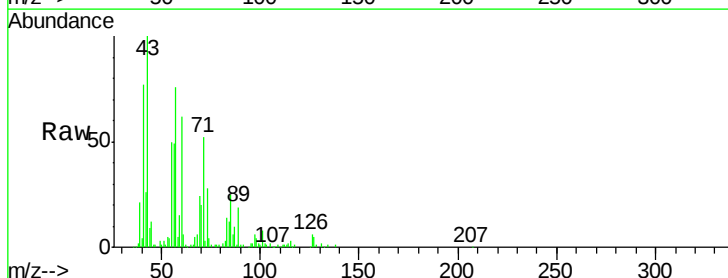
Ion Ratio Lower Upper

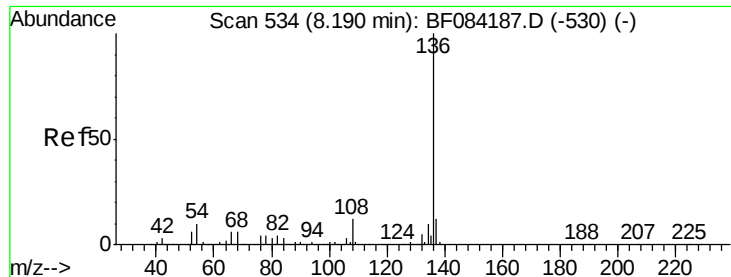
70 100

42 128.0 33.3 49.9#

101 41.1 9.3 13.9#

130 0.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

Tgt Ion:136 Resp: 917480

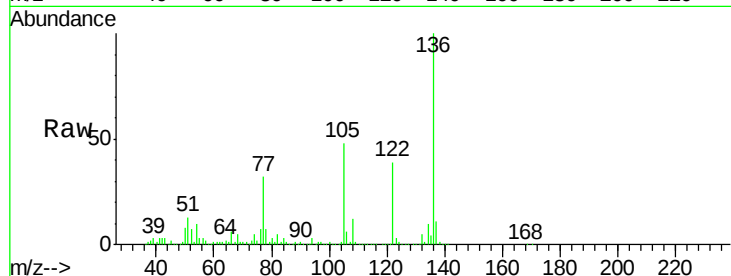
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 10.2 5.8 8.8#

68 5.4 4.2 6.2

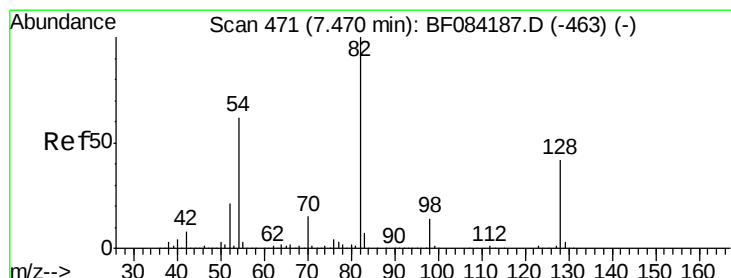
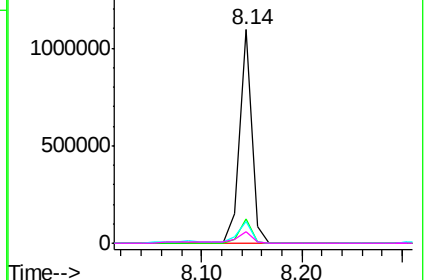
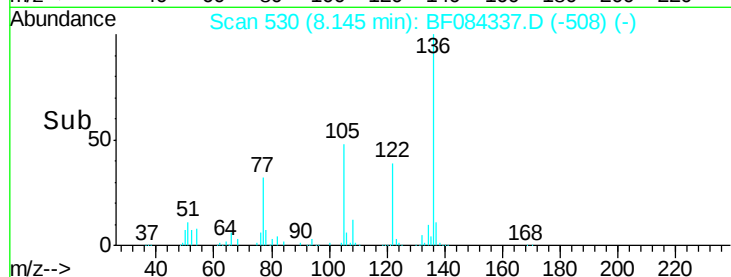


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.94 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

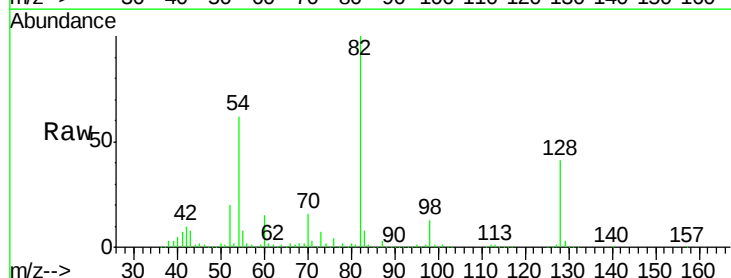
Tgt Ion: 82 Resp: 1400209

Ion Ratio Lower Upper

82 100

128 41.0 34.6 51.8

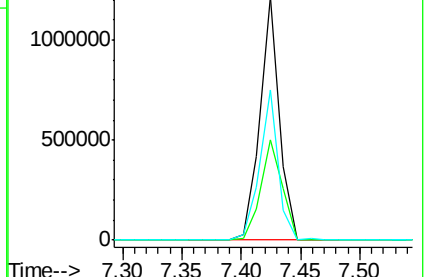
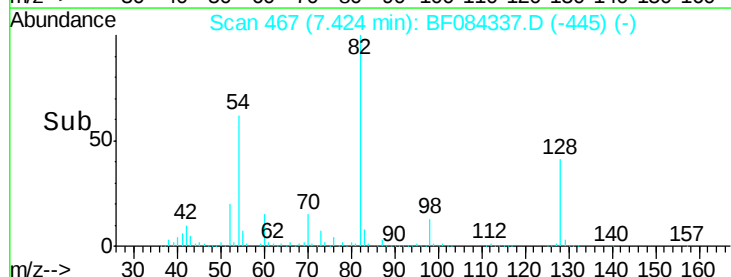
54 61.6 38.4 57.6#

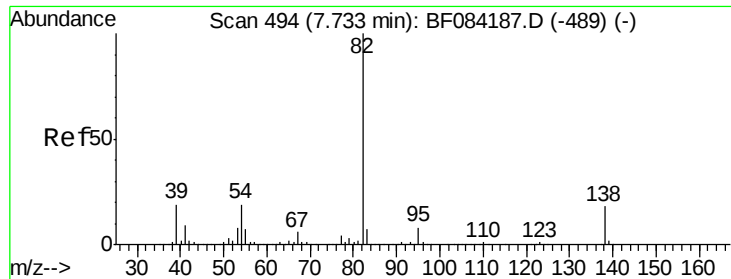


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

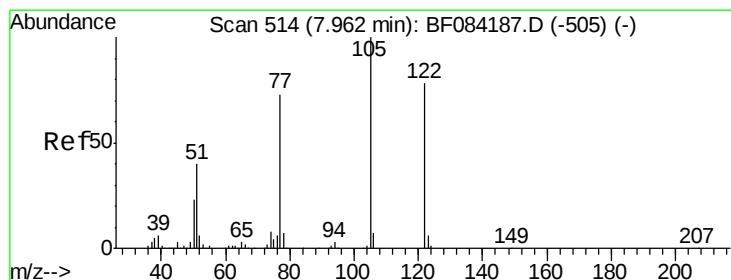
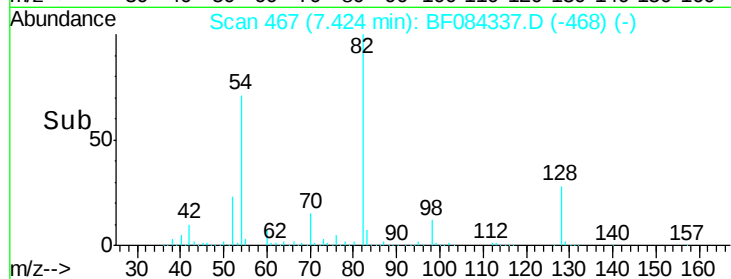
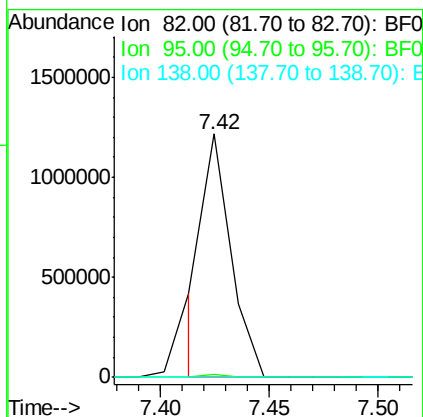
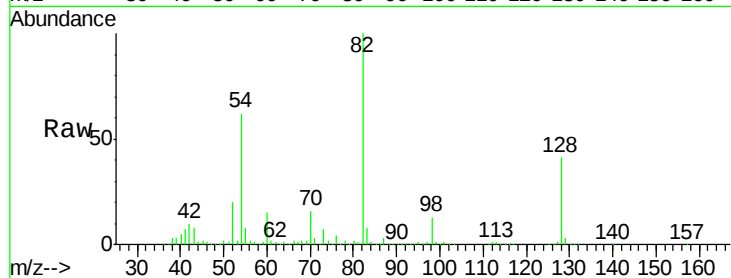




#25
Isophorone
Concen: 34.50 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.31 min
Lab File: BF084337.D
Acq: 8 Jan 2016 19:34

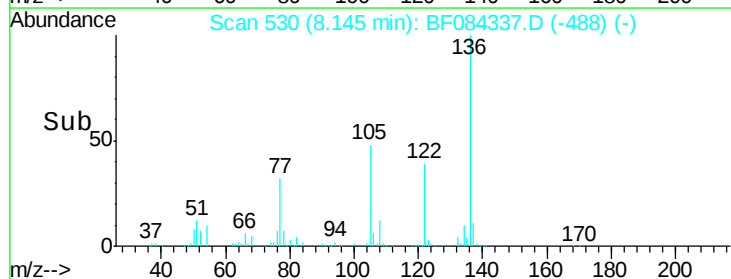
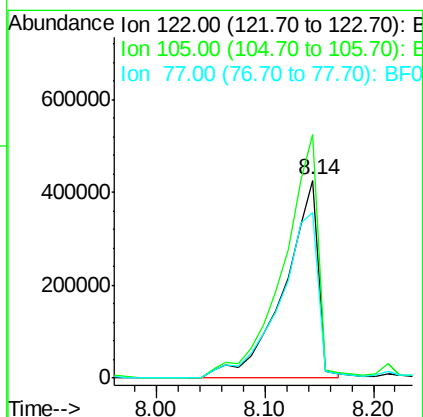
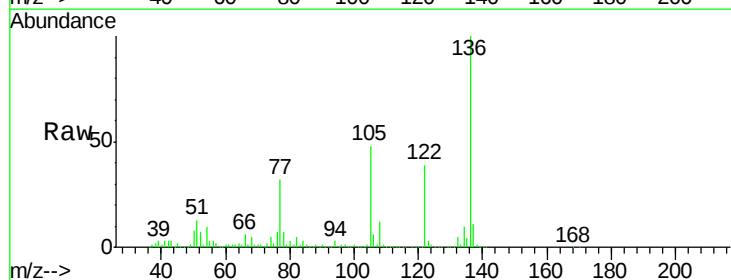
Instrument :
BNA_F
ClientSampleId :
EFFWW

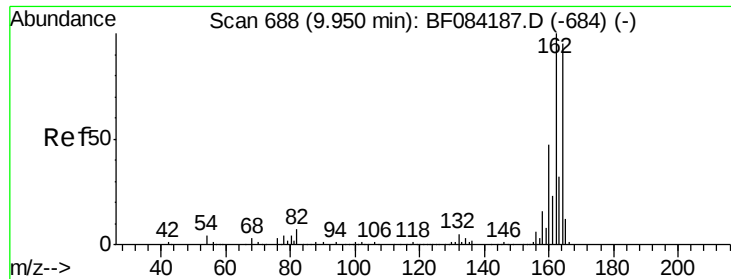
Tgt Ion: 82 Resp: 1087745
Ion Ratio Lower Upper
82 100
95 1.4 6.6 10.0#
138 0.0 13.6 20.4#



#32
Benzoic acid
Concen: 87.64 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.18 min
Lab File: BF084337.D
Acq: 8 Jan 2016 19:34

Tgt Ion: 122 Resp: 927251
Ion Ratio Lower Upper
122 100
105 123.2 100.3 140.3
77 83.4 63.5 103.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

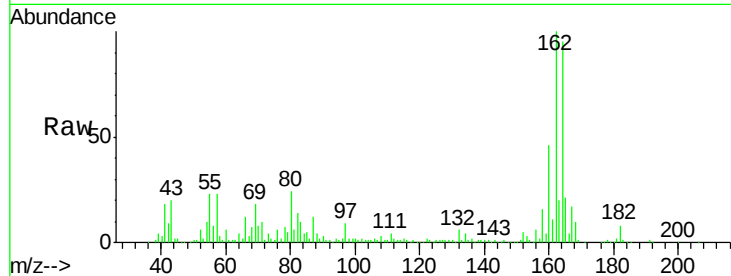
Tgt Ion:164 Resp: 432706

Ion Ratio Lower Upper

164 100

162 105.2 85.1 127.7

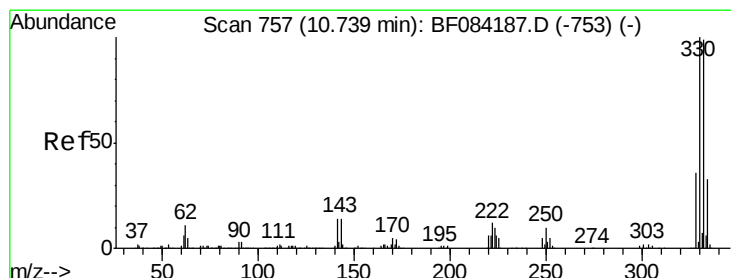
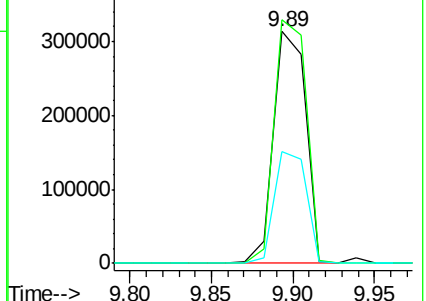
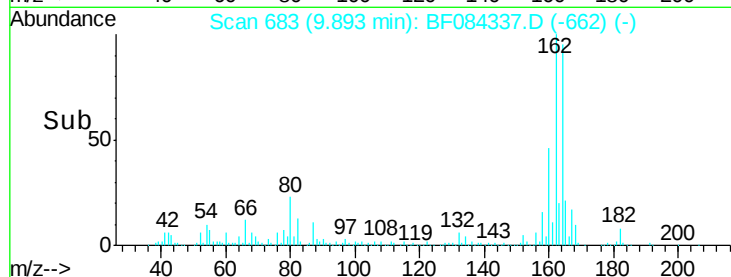
160 48.3 37.5 56.3



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: 95.02 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

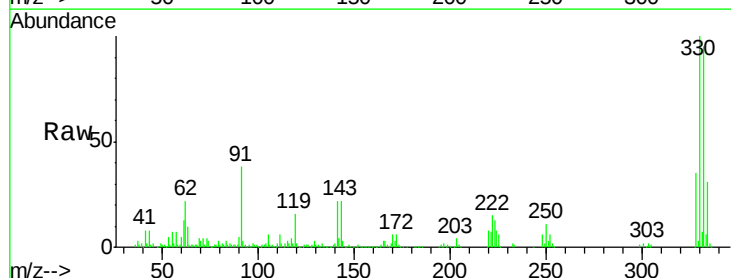
Tgt Ion:330 Resp: 415101

Ion Ratio Lower Upper

330 100

332 95.0 76.6 114.8

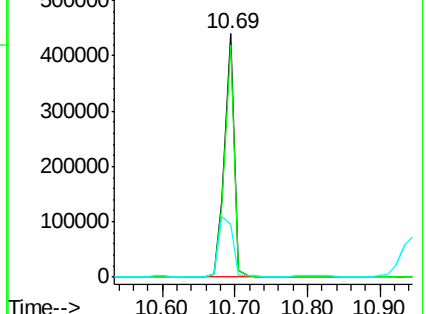
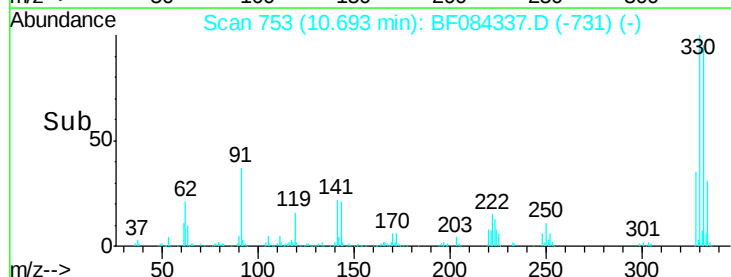
141 35.7 27.8 41.6

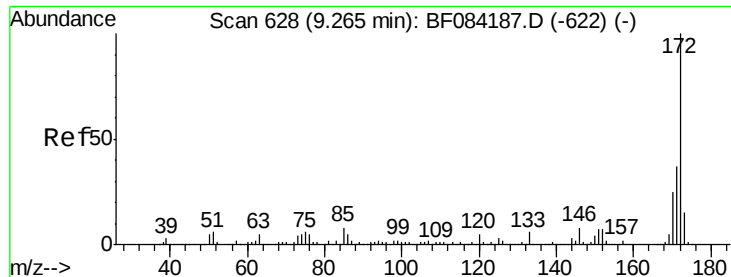


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

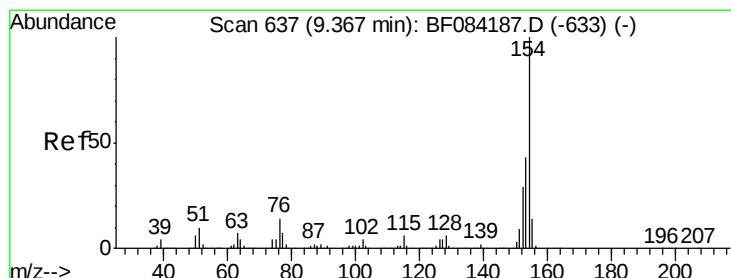
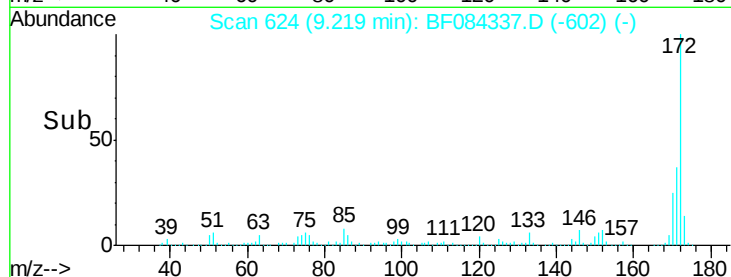
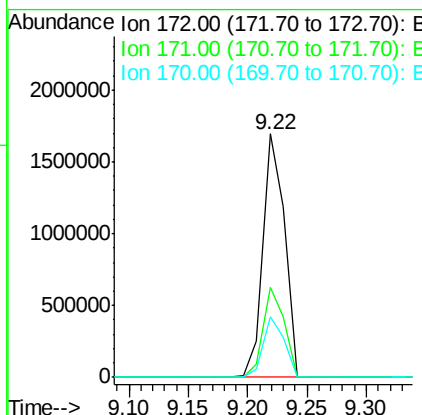
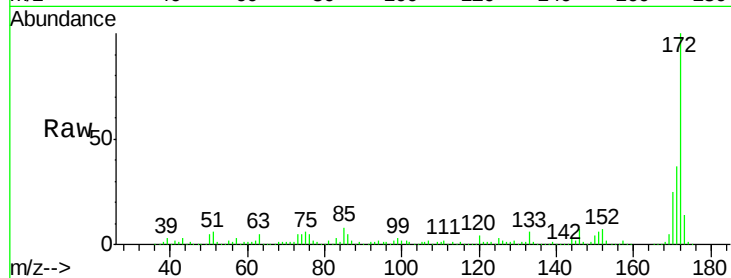




#44
 2-Fluorobiphenyl
 Concen: 88.26 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084337.D
 Acq: 8 Jan 2016 19:34

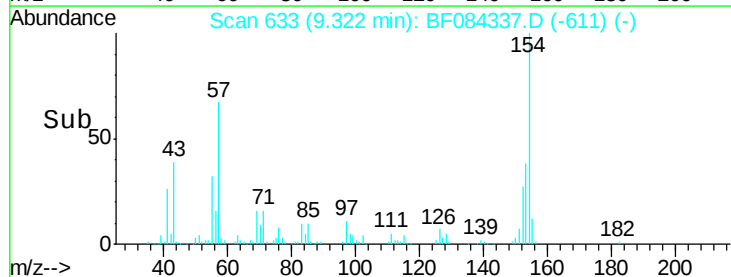
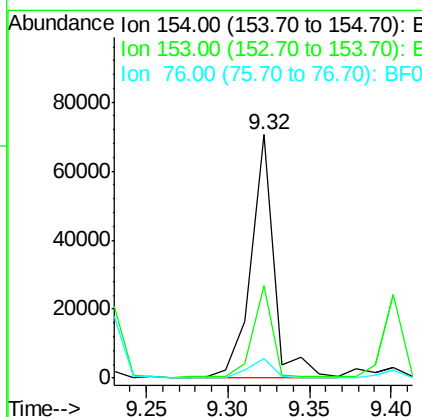
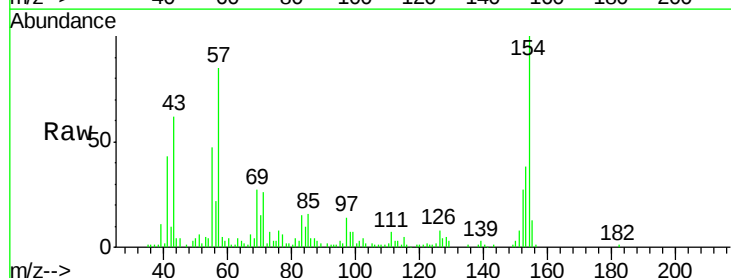
Instrument :
 BNA_F
 ClientSampleId :
 EFFWW

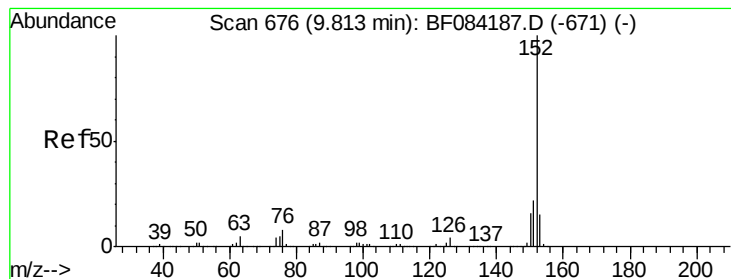
Tgt Ion:172 Resp: 2165102
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 25.0 18.6 27.8



#45
 1,1'-Biphenyl
 Concen: 2.02 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.05 min
 Lab File: BF084337.D
 Acq: 8 Jan 2016 19:34

Tgt Ion:154 Resp: 69549
 Ion Ratio Lower Upper
 154 100
 153 38.2 21.6 61.6
 76 8.2 0.0 32.7





#48

Acenaphthylene

Concen: 2.29 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.07 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

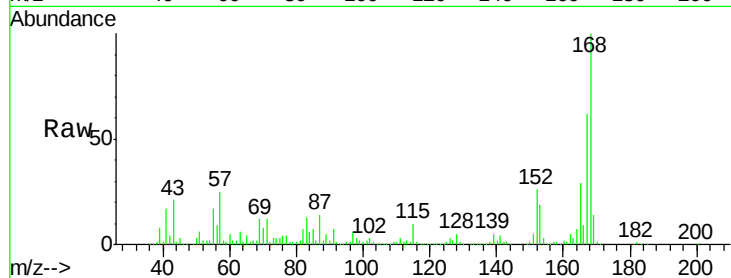
Tgt Ion:152 Resp: 91419

Ion Ratio Lower Upper

152 100

151 19.9 16.3 24.5

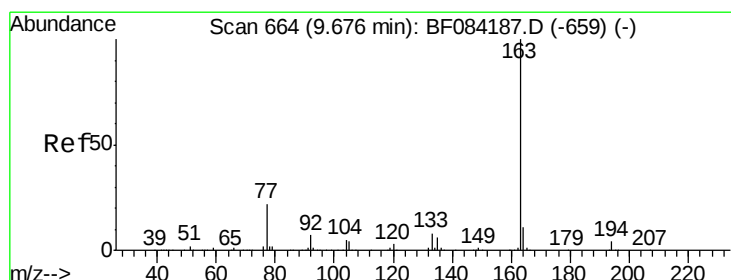
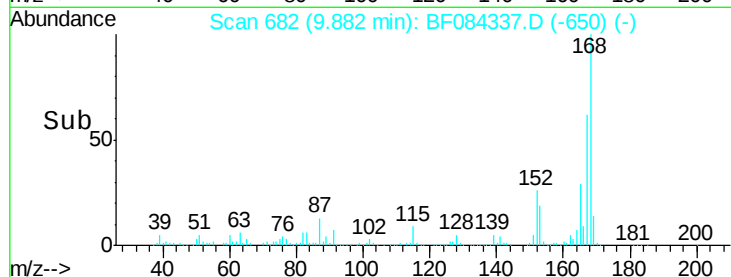
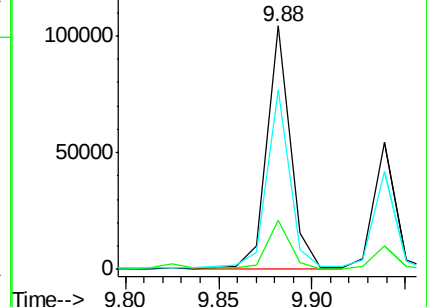
153 73.6 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.15 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

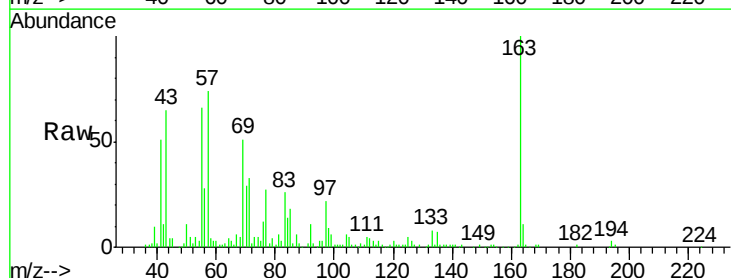
Tgt Ion:163 Resp: 97311

Ion Ratio Lower Upper

163 100

194 3.3 8.0 12.0#

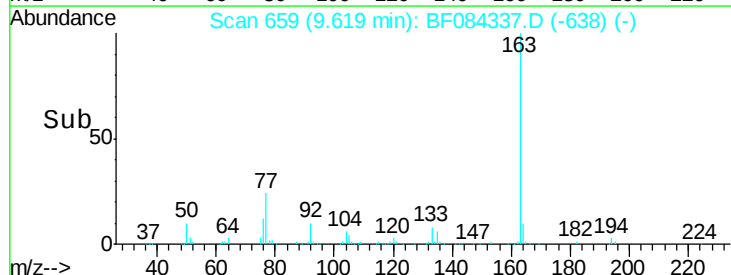
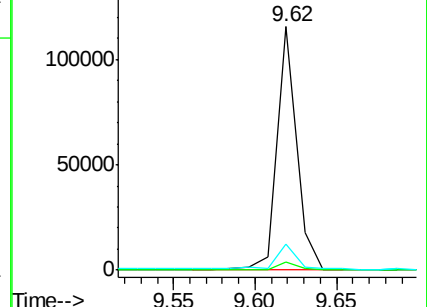
164 10.6 8.0 12.0

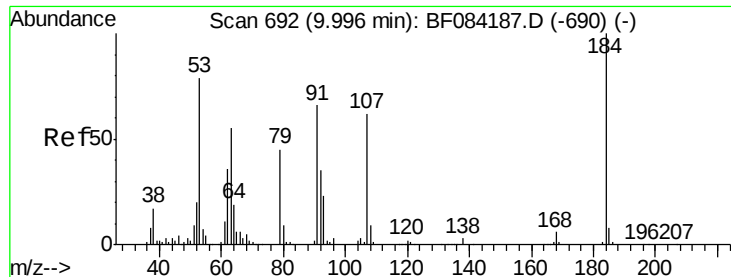


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

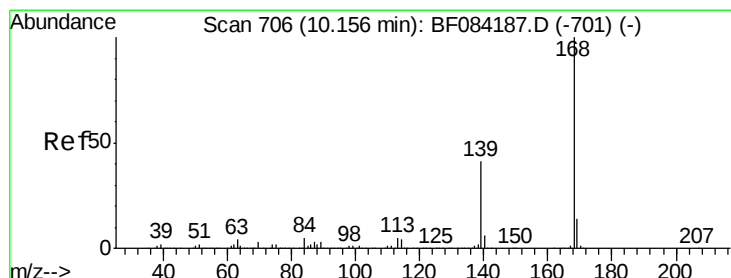
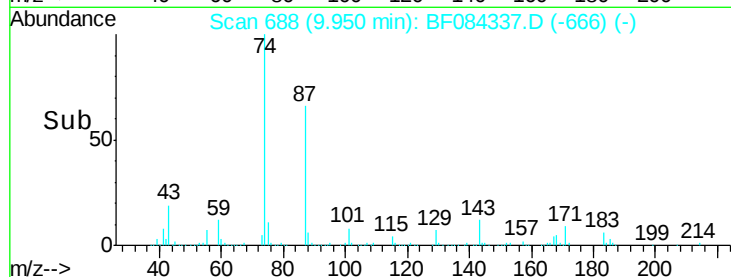
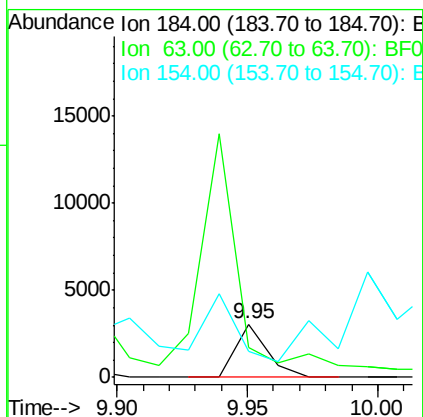
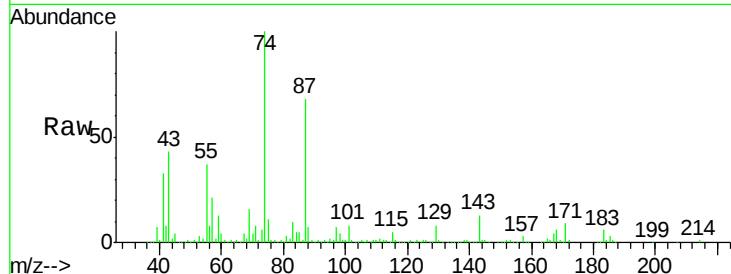




#53
2,4-Dinitrophenol
Concen: 4.40 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF084337.D
Acq: 8 Jan 2016 19:34

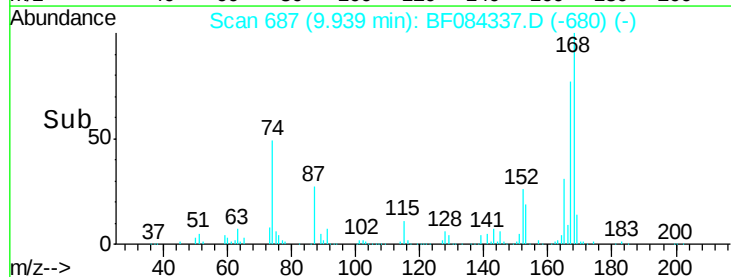
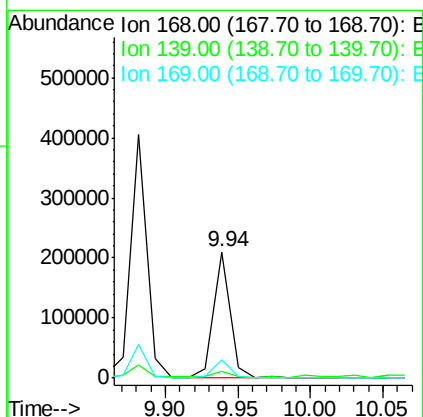
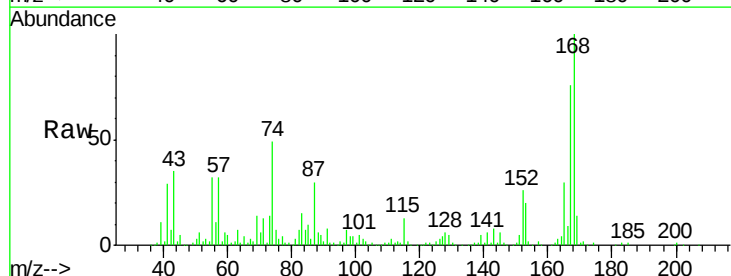
Instrument :
BNA_F
ClientSampleId :
EFFWW

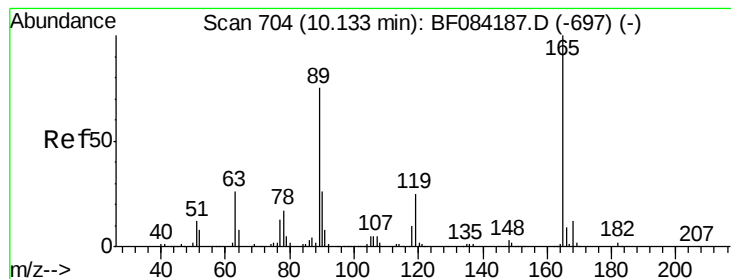
Tgt Ion:184 Resp: 2563
Ion Ratio Lower Upper
184 100
63 56.5 43.1 64.7
154 48.6 60.5 90.7#



#54
Dibenzofuran
Concen: 2.05 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.22 min
Lab File: BF084337.D
Acq: 8 Jan 2016 19:34

Tgt Ion:168 Resp: 169283
Ion Ratio Lower Upper
168 100
139 5.3 30.5 45.7#
169 14.3 10.4 15.6





#56

2,4-Dinitrotoluene

Concen: 5.77 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.19 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

Tgt Ion:165 Resp: 49550

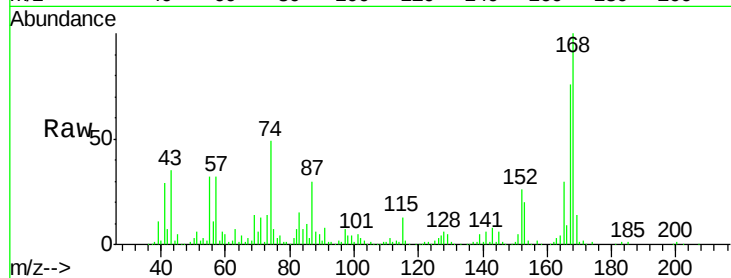
Ion Ratio Lower Upper

165 100

63 21.8 36.7 55.1#

89 17.5 61.9 92.9#

182 0.0 2.0 3.0#

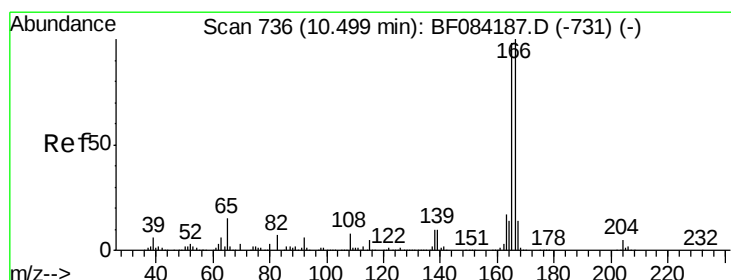
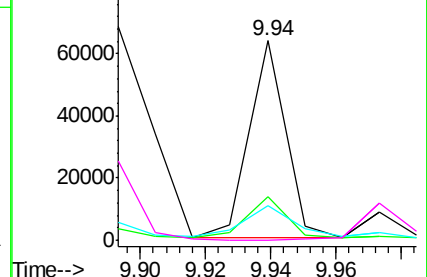
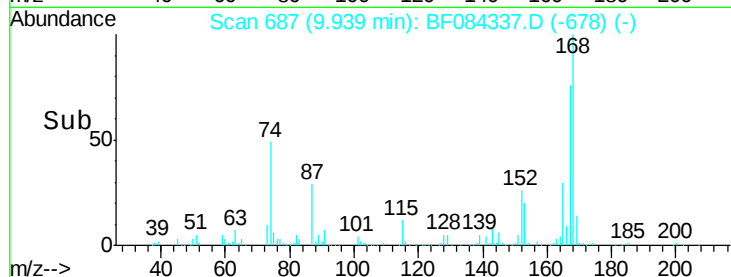


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. -0.03 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

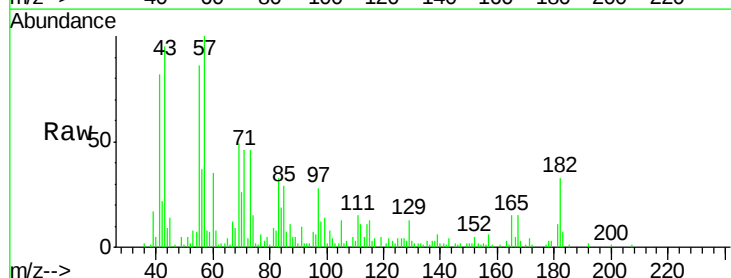
Tgt Ion:166 Resp: 2767

Ion Ratio Lower Upper

166 100

165 290.5 79.1 118.7#

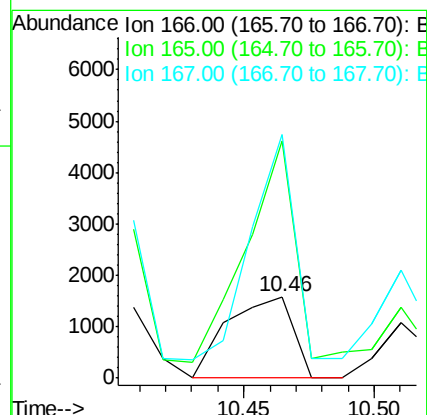
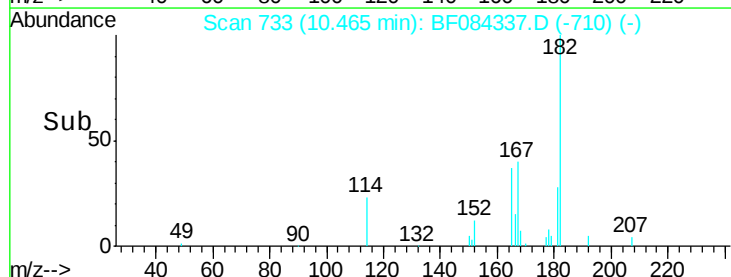
167 298.9 10.4 15.6#

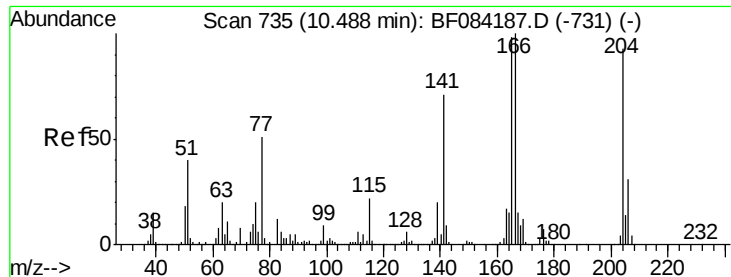


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.42 min Scan# 729

Delta R.T. -0.07 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

EFFWW

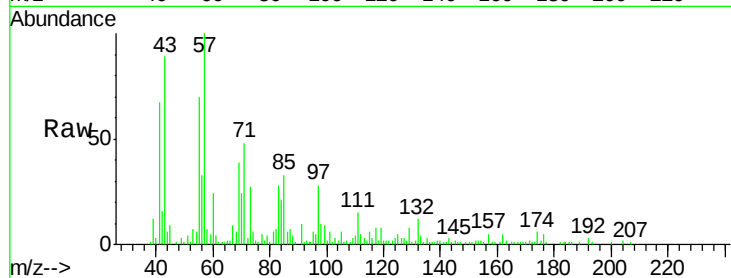
Tgt Ion:204 Resp: 681

Ion Ratio Lower Upper

204 100

206 0.0 25.7 38.5#

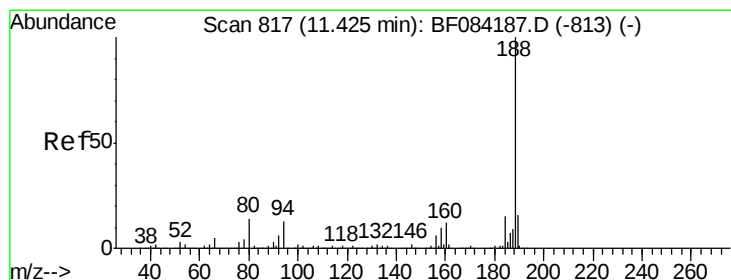
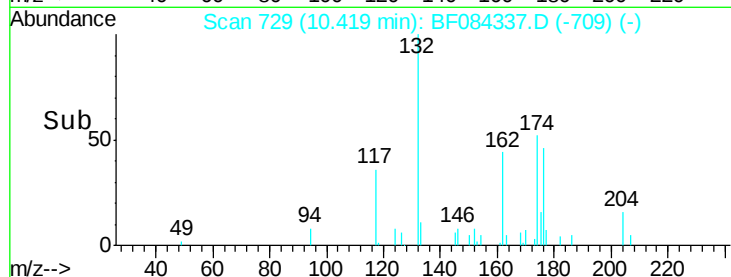
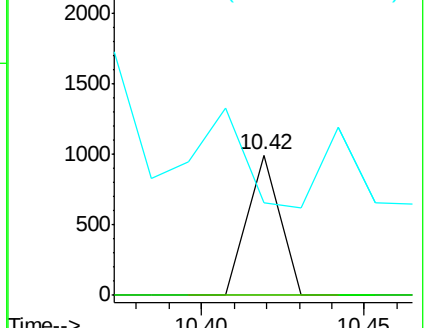
141 66.3 55.1 82.7



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.03 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

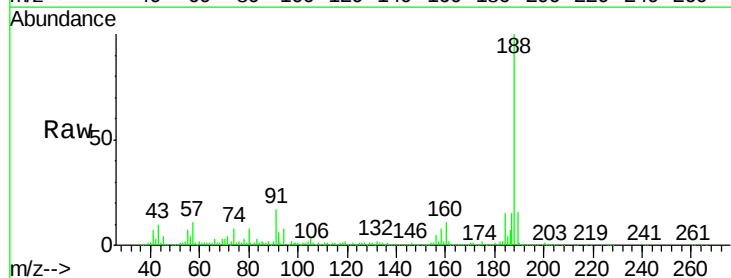
Tgt Ion:188 Resp: 782741

Ion Ratio Lower Upper

188 100

94 8.0 9.0 13.4#

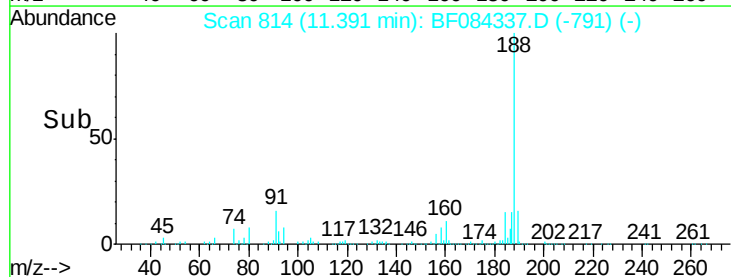
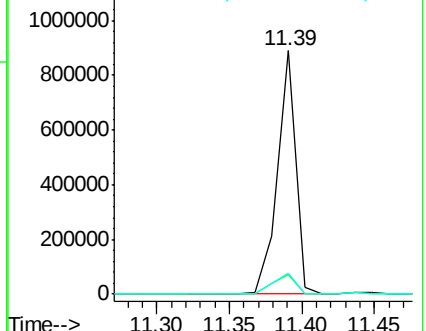
80 8.5 9.6 14.4#

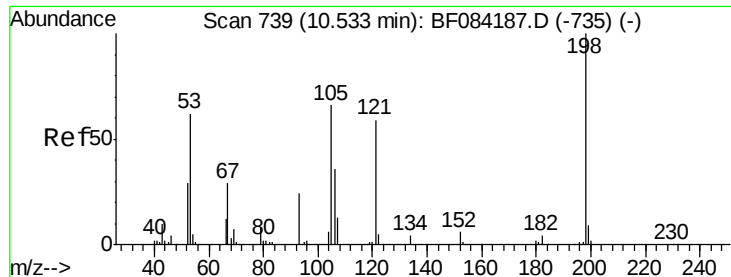


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.52 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.11 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

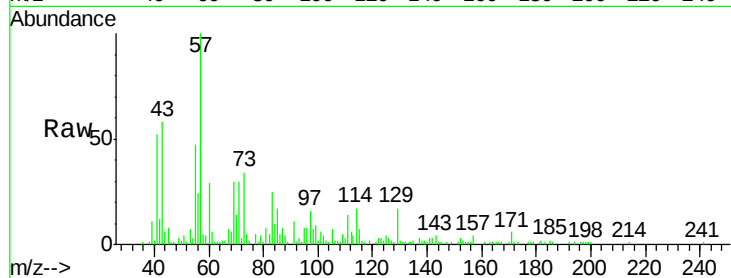
Tgt Ion:198 Resp: 642

Ion Ratio Lower Upper

198 100

51 354.3 18.9 58.9#

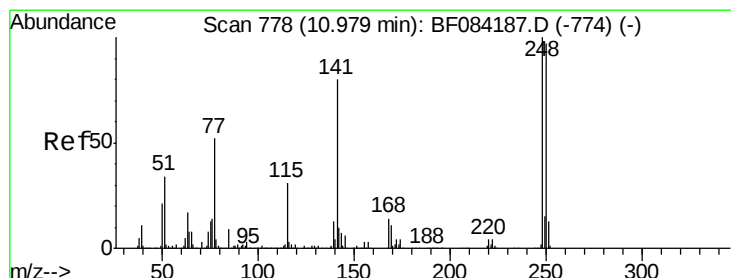
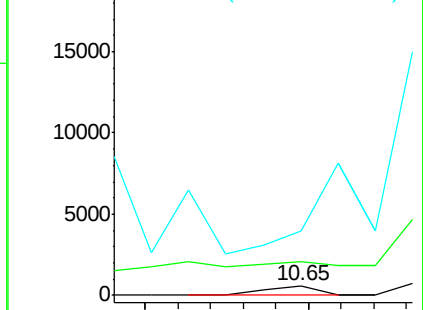
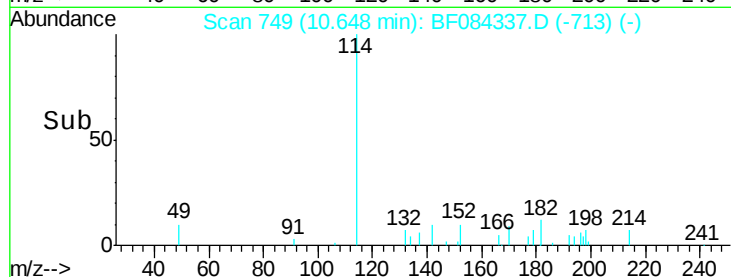
105 675.9 26.4 66.4#



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: 3.04 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

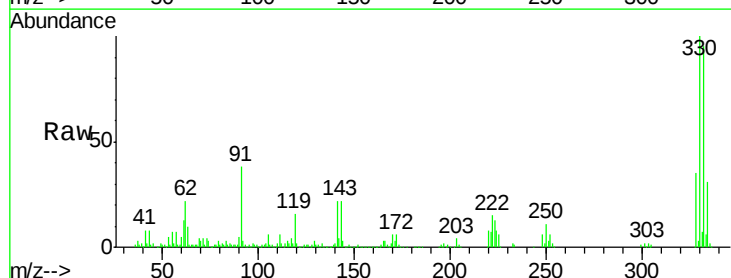
Tgt Ion:248 Resp: 25622

Ion Ratio Lower Upper

248 100

250 199.0 78.4 117.6#

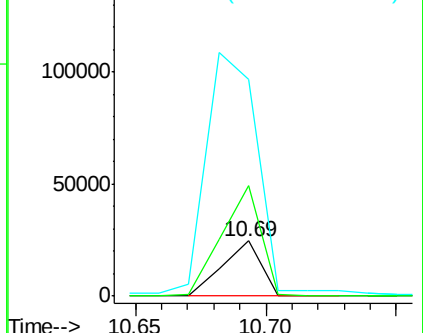
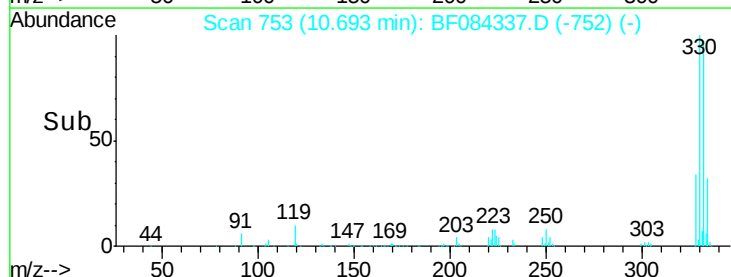
141 391.2 44.0 66.0#

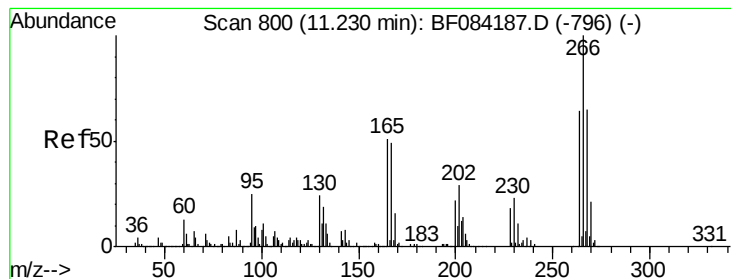


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Pentachlorophenol

Concen: 4.10 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

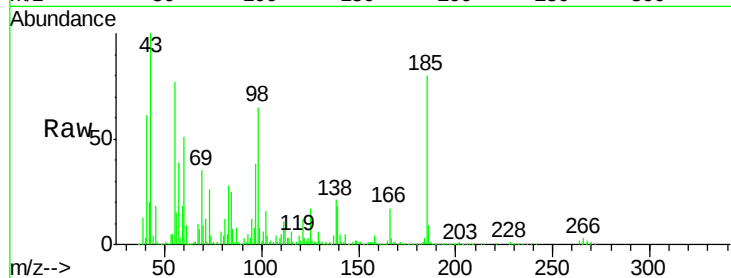
Tgt Ion:266 Resp: 20167

Ion Ratio Lower Upper

266 100

268 67.2 52.4 78.6

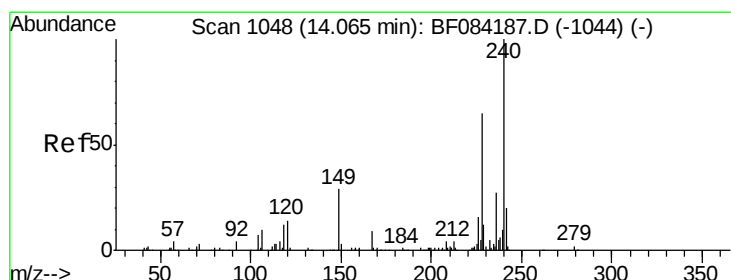
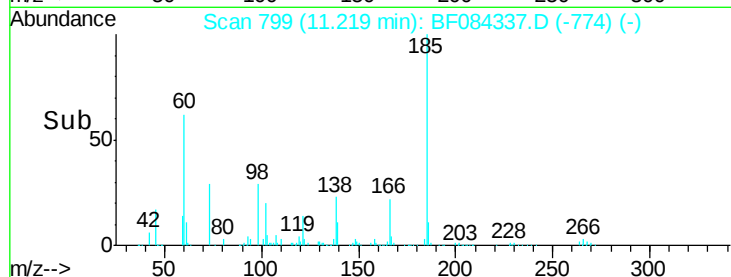
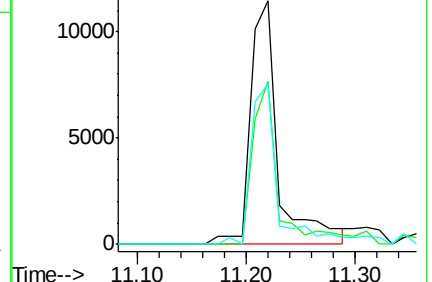
264 65.8 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

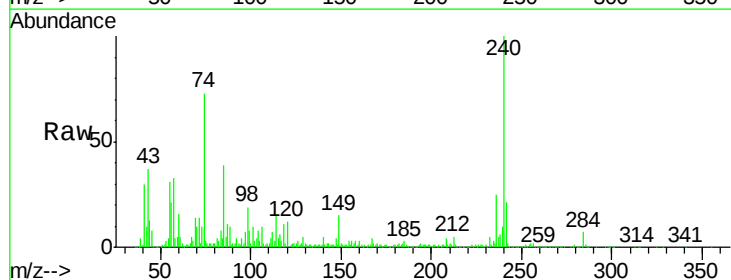
Tgt Ion:240 Resp: 469343

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

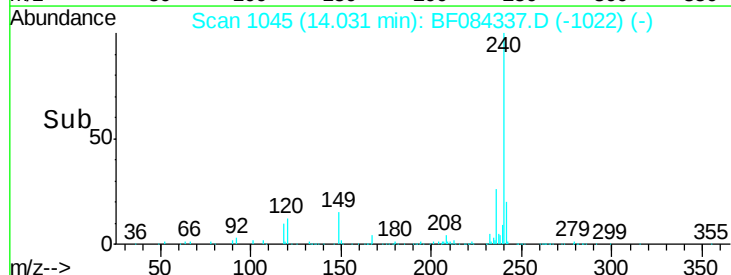
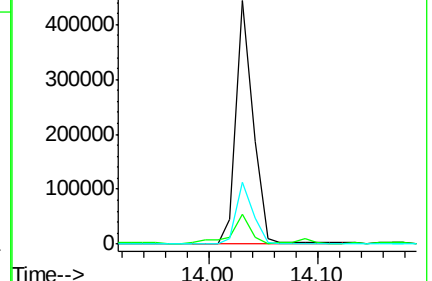
236 25.5 20.6 31.0

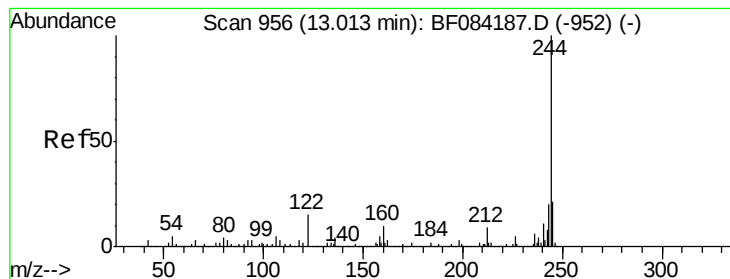


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 55.74 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

EFFWW

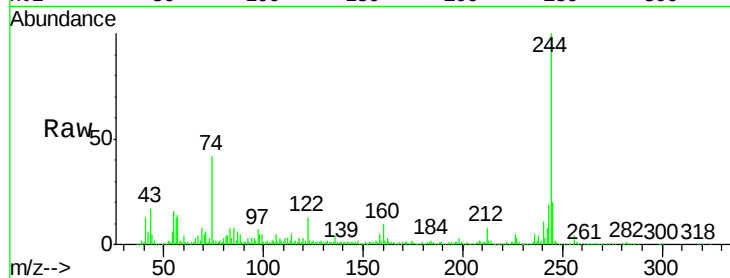
Tgt Ion:244 Resp: 1172021

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

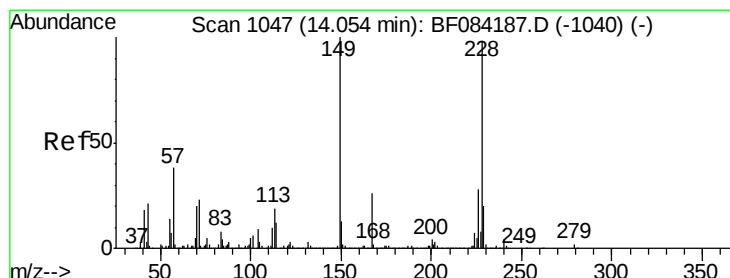
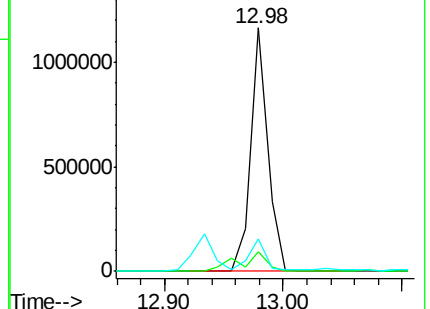
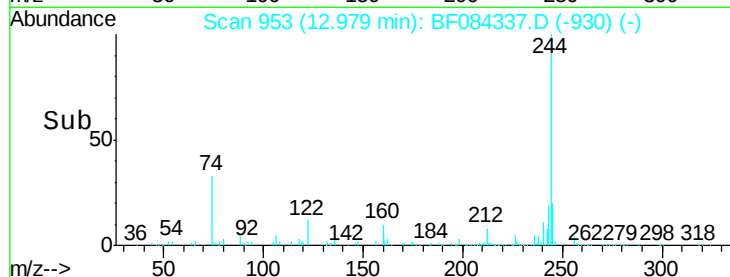
122 13.5 7.4 11.0#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.38 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.02 min

Lab File: BF084337.D

Acq: 8 Jan 2016 19:34

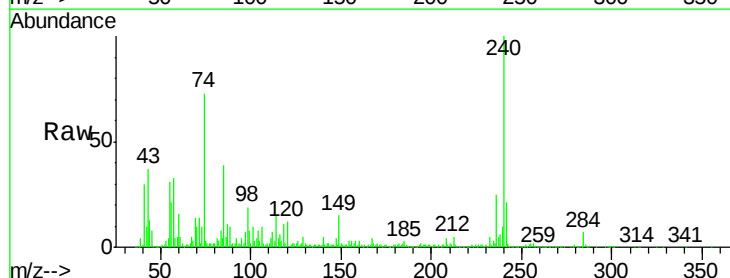
Tgt Ion:149 Resp: 88257

Ion Ratio Lower Upper

149 100

167 29.0 19.7 29.5

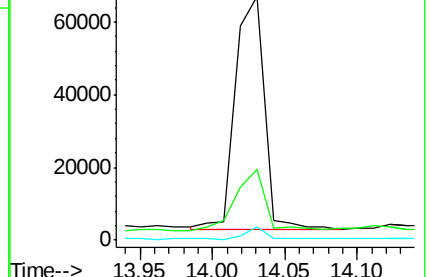
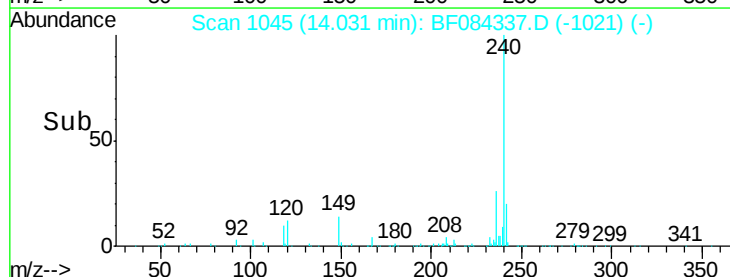
279 5.2 1.8 2.6#

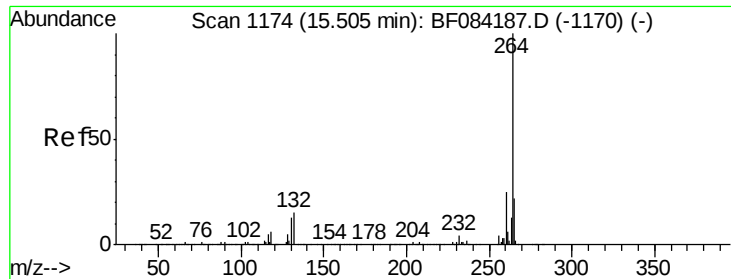


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



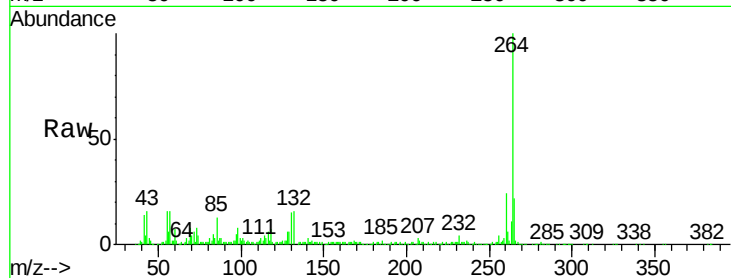


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084337.D
Acq: 8 Jan 2016 19:34

Instrument :
BNA_F
ClientSampleId :
EFFWW

Tgt Ion: 264 Resp: 450743

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.9	17.8	26.6



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

