

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083977.D
 Acq On : 20 Dec 2015 4:03
 Operator : UM/SJ
 Sample : G4838-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Quant Time: Dec 20 07:09:17 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

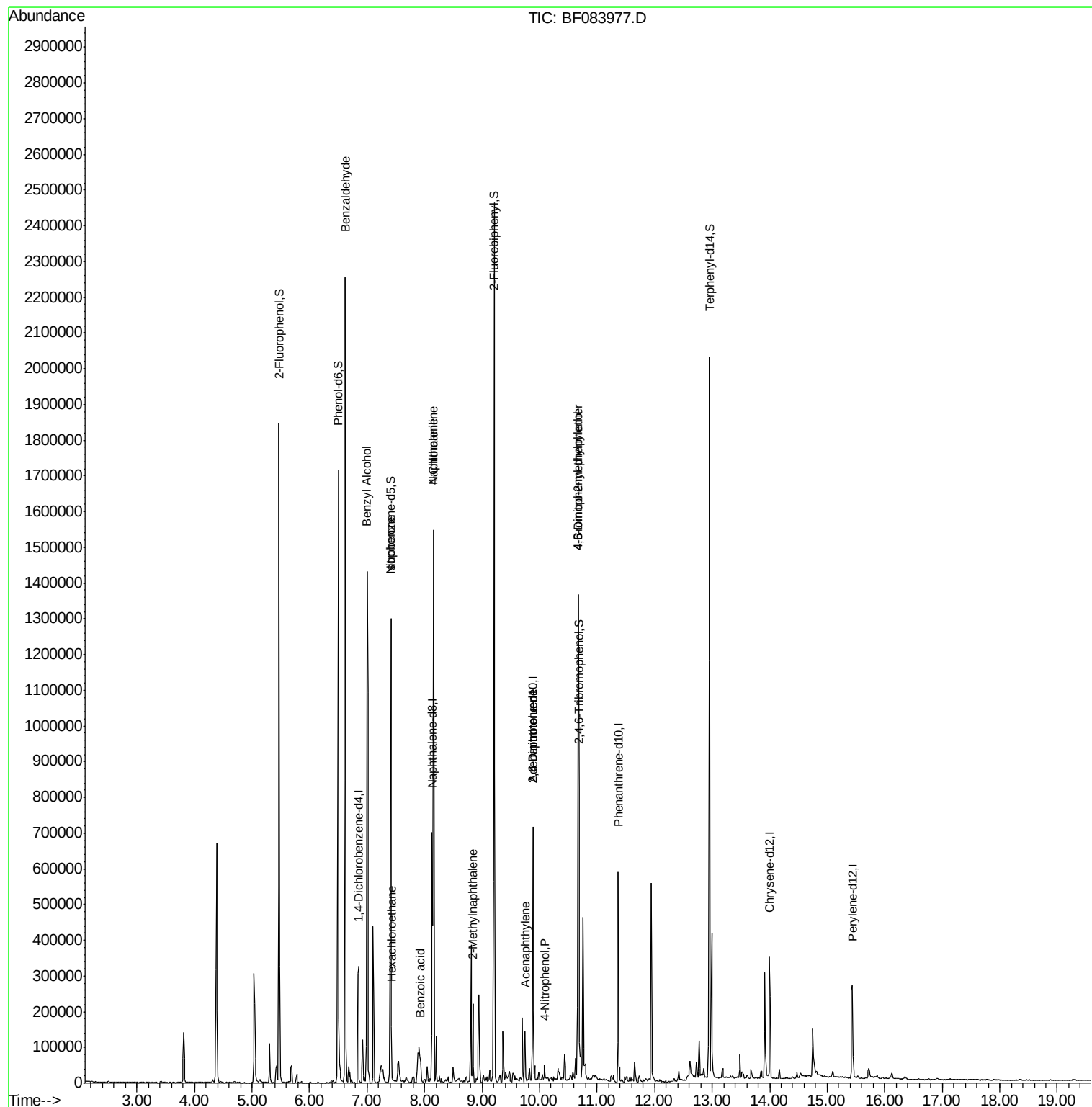
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	74285	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	313029	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	140898	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	200605	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	142847	20.00	ng	-0.03
86) Perylene-d12	15.44	264	143724	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	558296	117.62	ng	-0.01
7) Phenol-d6	6.50	99	668174	115.00	ng	-0.01
23) Nitrobenzene-d5	7.41	82	461293	84.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	229416	147.80	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	924804	93.66	ng	-0.03
78) Terphenyl-d14	12.96	244	741706	124.29	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.62	77	15217	4.35	ng	Qvalue 88
15) Benzyl Alcohol	7.00	79	9249	2.10	ng	# 51
18) Hexachloroethane	7.42	117	5720	2.51	ng	# 4
25) Isophorone	7.41	82	342524	33.19	ng	# 66
31) Naphthalene	8.16	128	651112	41.10	ng	100
32) Benzoic acid	7.93	122	7886	7.24	ng	# 23
33) 4-Chloroaniline	8.16	127	88400	12.44	ng	# 33
36) 4-Chloro-3-methylphenol	8.49	107	1029	Below Cal	#	20
37) 2-Methylnaphthalene	8.84	142	56678	5.21	ng	99
45) 1,1'-Biphenyl	9.31	154	7629	Below Cal		97
46) 2-Chloronaphthalene	9.38	162	398	Below Cal	#	76
48) Acenaphthylene	9.74	152	46477	2.83	ng	100
50) 2,6-Dinitrotoluene	9.88	165	18469	7.16	ng	# 39
55) 4-Nitrophenol	10.09	139	4815	2.84	ng	# 10
56) 2,4-Dinitrotoluene	9.88	165	18470	5.59	ng	# 22
57) Fluorene	10.43	166	13053	Below Cal		99
64) 4,6-Dinitro-2-methylphenol	10.67	198	287	4.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14299	5.83	ng	# 1
77) Pyrene	12.81	202	2496	Below Cal		97

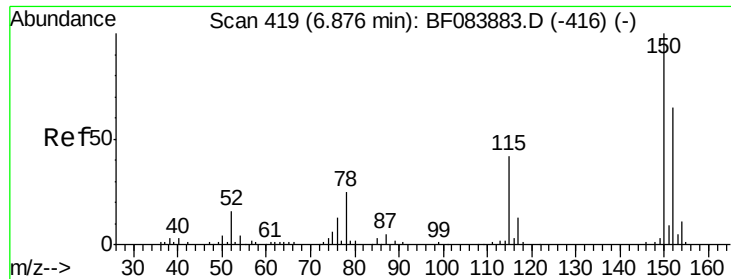
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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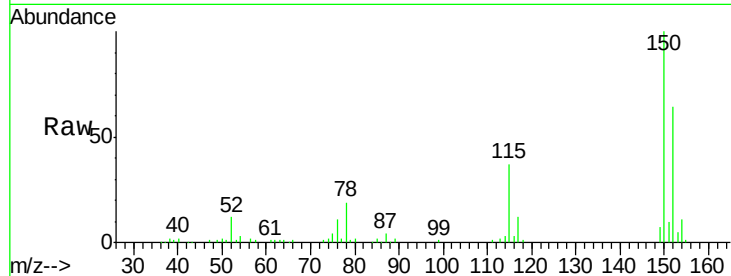




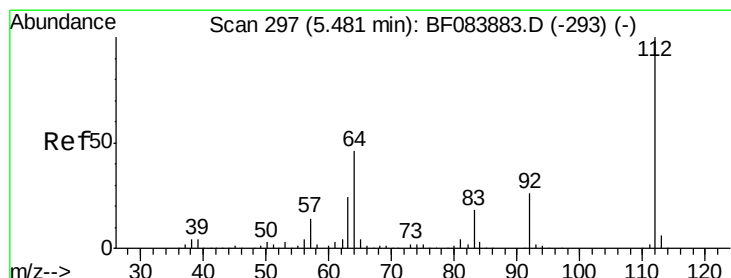
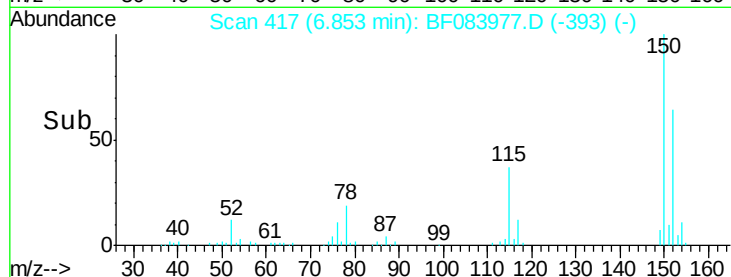
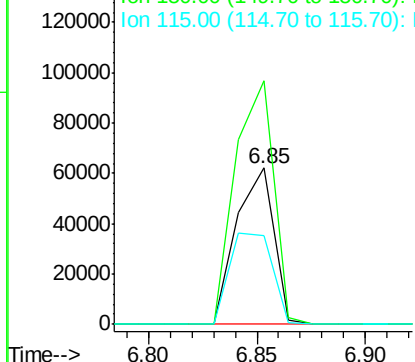
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion:152 Resp: 74285
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.0 184.4
 115 57.0 51.4 77.2

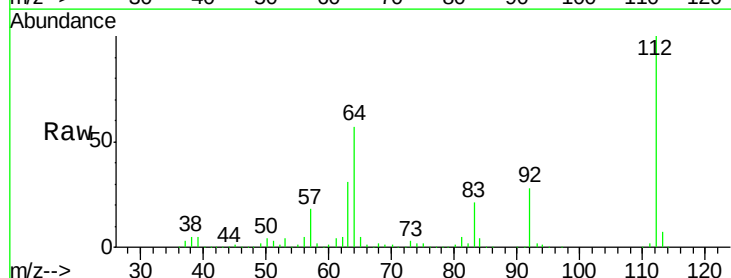


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

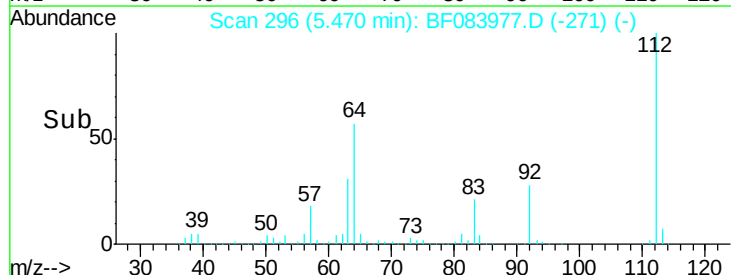
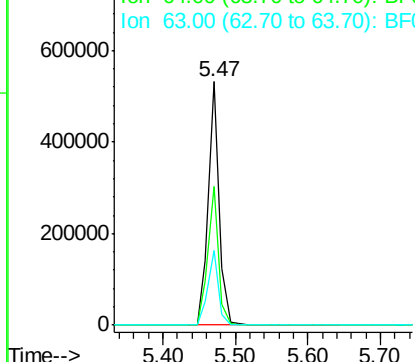


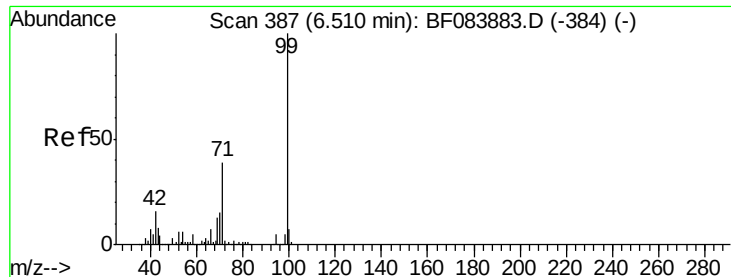
#5
 2-Fluorophenol
 Concen: 117.62 ng
 RT: 5.47 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Tgt Ion:112 Resp: 558296
 Ion Ratio Lower Upper
 112 100
 64 56.8 36.6 55.0#
 63 30.8 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: 115.00 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

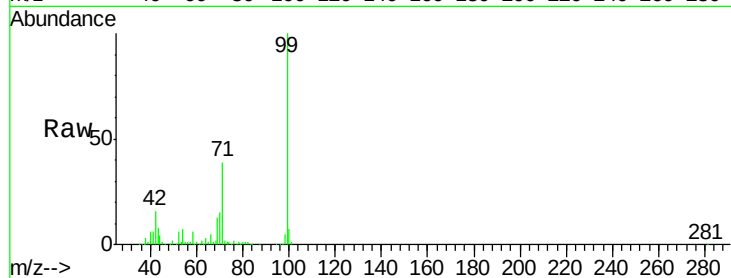
Tgt Ion: 99 Resp: 668174

Ion Ratio Lower Upper

99 100

42 16.3 12.8 19.2

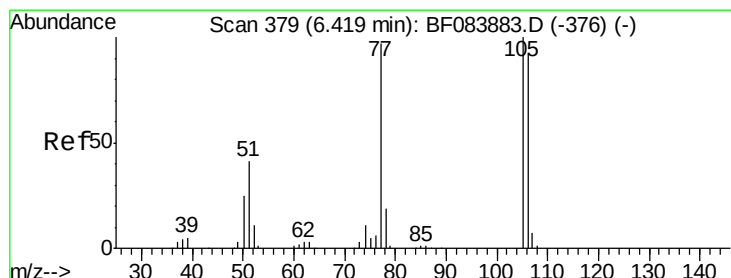
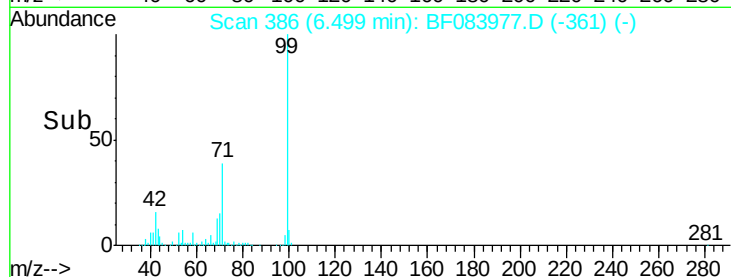
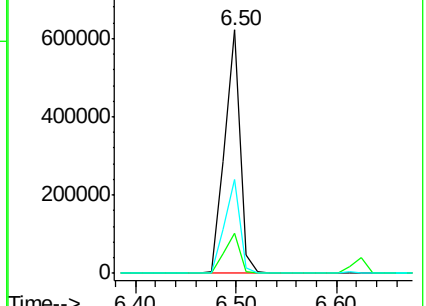
71 38.6 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.35 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

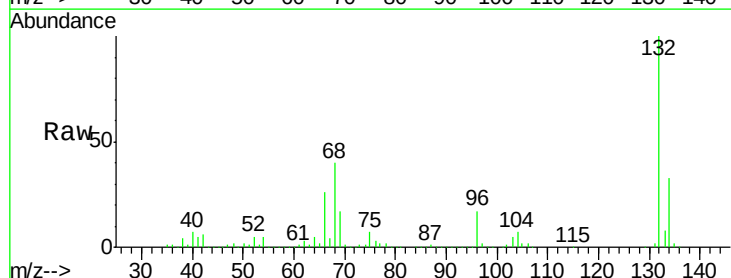
Tgt Ion: 77 Resp: 15217

Ion Ratio Lower Upper

77 100

105 88.7 83.0 123.0

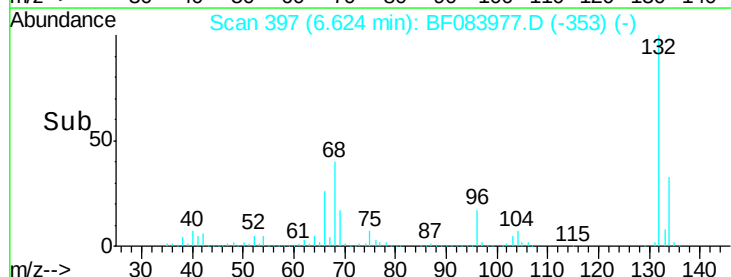
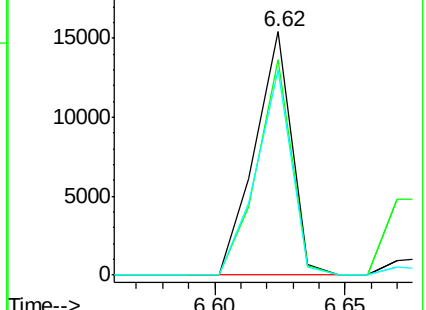
106 84.4 74.6 114.6

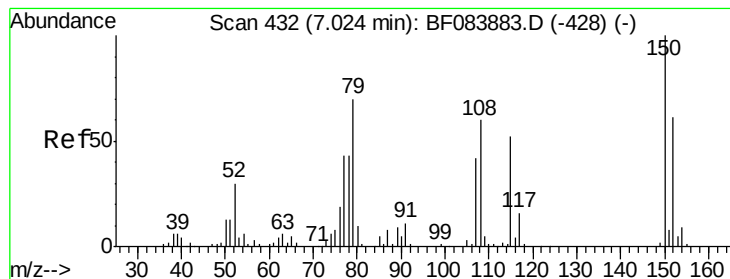


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

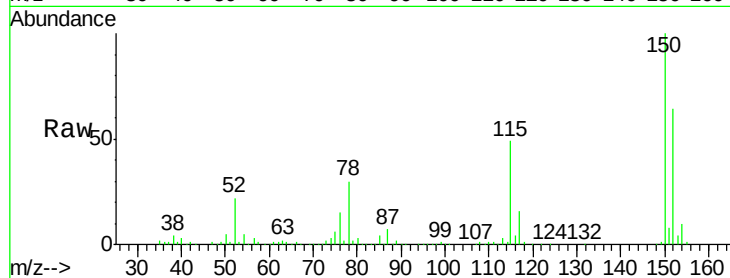
Tgt Ion: 79 Resp: 9249

Ion Ratio Lower Upper

79 100

108 35.2 69.0 103.4#

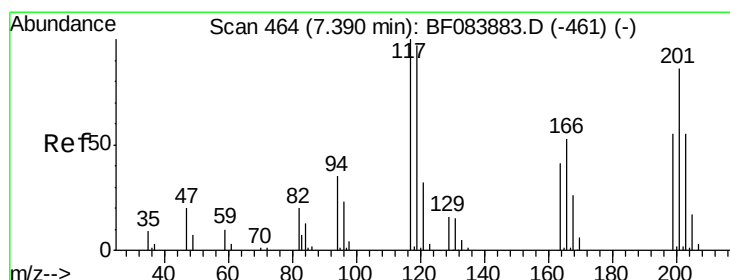
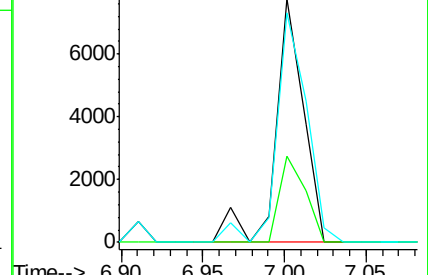
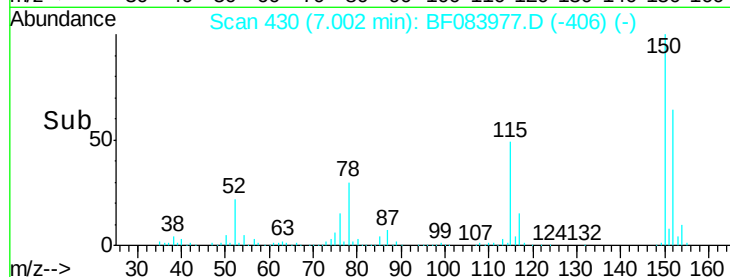
77 94.4 50.0 75.0#



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: 2.51 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.03 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

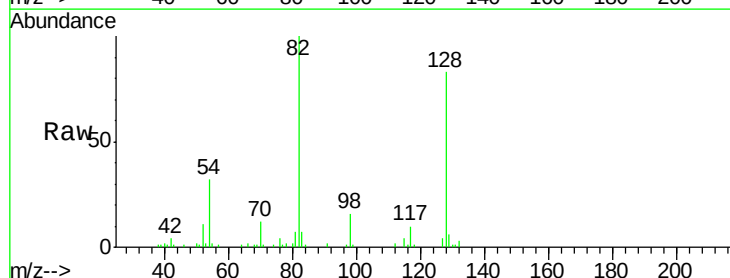
Tgt Ion: 117 Resp: 5720

Ion Ratio Lower Upper

117 100

119 0.0 77.4 116.0#

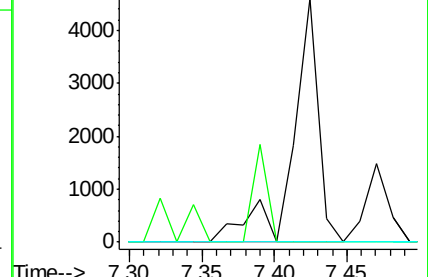
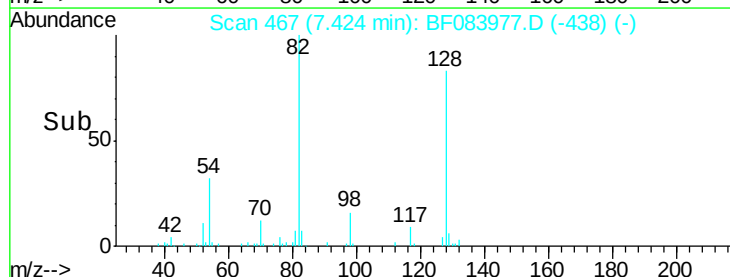
201 0.0 68.6 103.0#

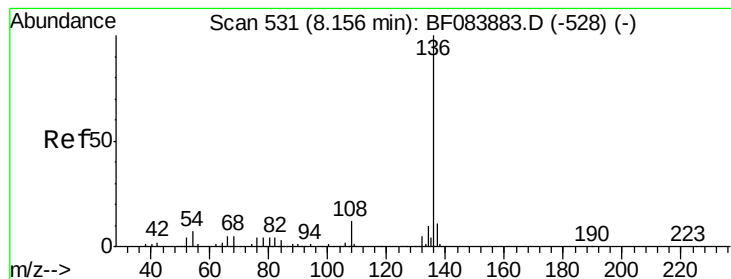


Abundance Ion 117.00 (116.70 to 117.70): E

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: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

Tgt Ion:136 Resp: 313029

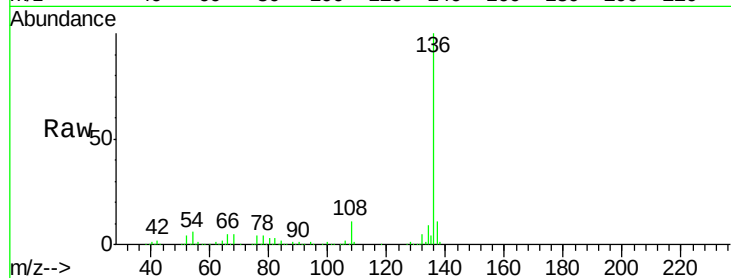
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.3 5.8 8.8

68 4.9 4.2 6.2

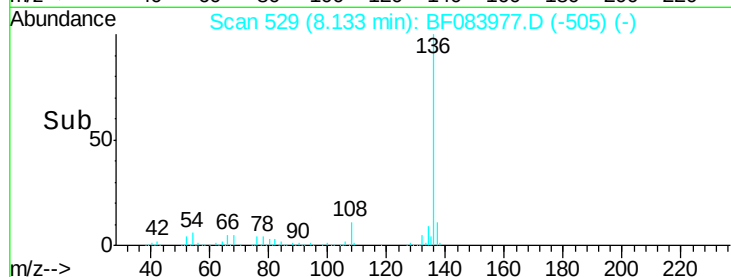


Abundance Ion 136.00 (135.70 to 136.70): E

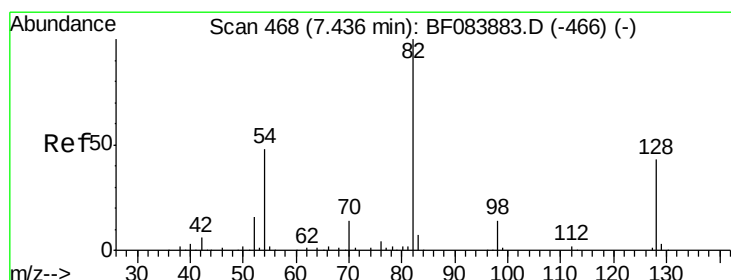
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 84.10 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.02 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

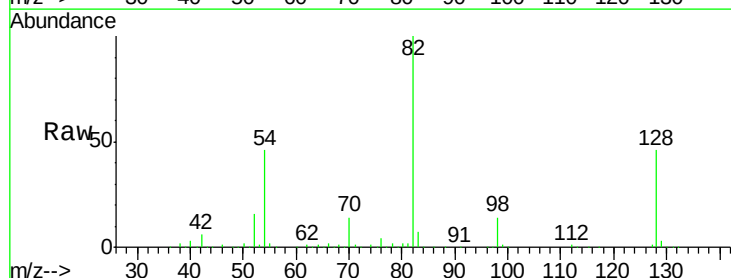
Tgt Ion: 82 Resp: 461293

Ion Ratio Lower Upper

82 100

128 46.2 34.6 51.8

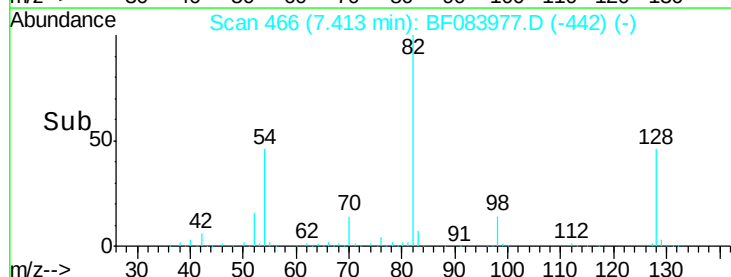
54 45.7 38.4 57.6



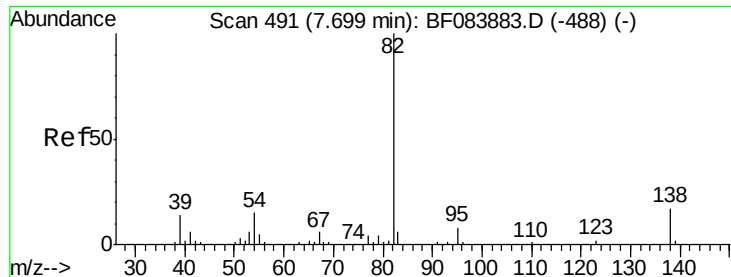
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 33.19 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.29 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

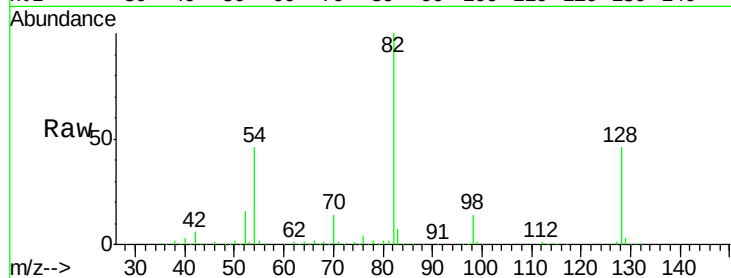
Tgt Ion: 82 Resp: 342524

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

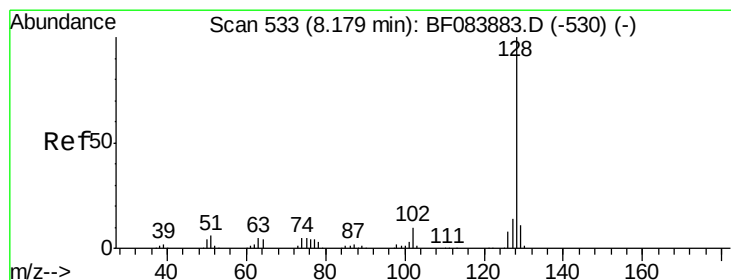
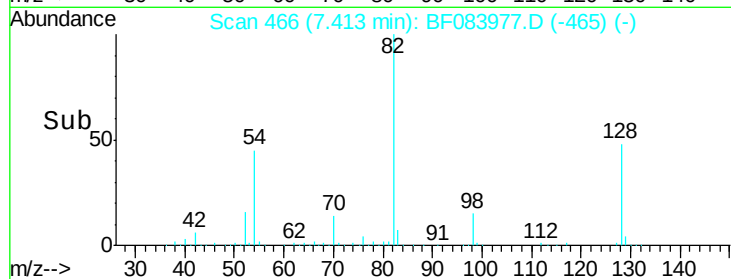
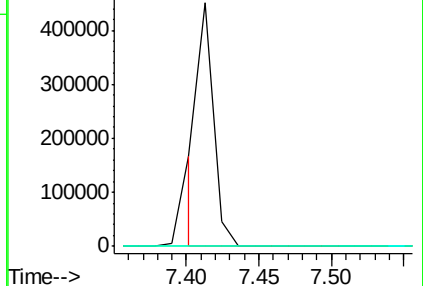
138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 41.10 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

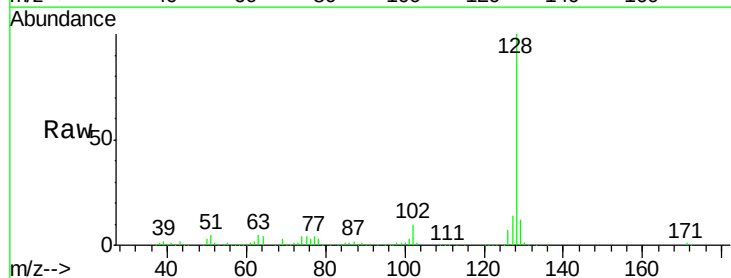
Tgt Ion: 128 Resp: 651112

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

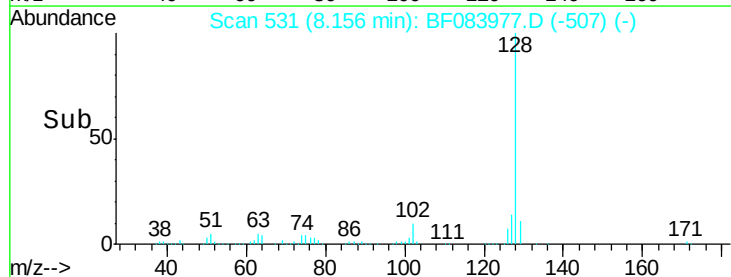
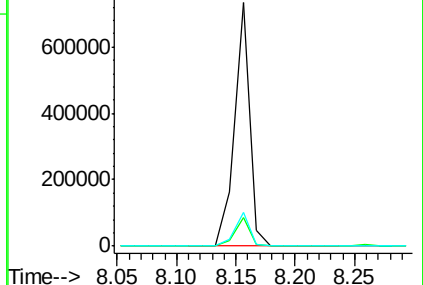
127 13.8 11.1 16.7

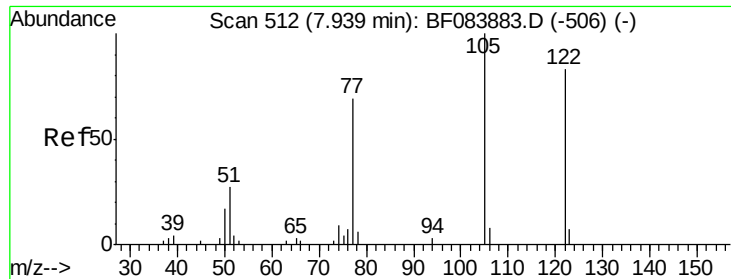


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 7.24 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

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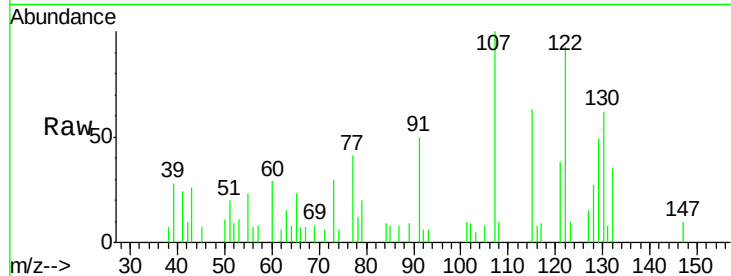
Tgt Ion:122 Resp: 7886

Ion Ratio Lower Upper

122 100

105 9.0 100.3 140.3#

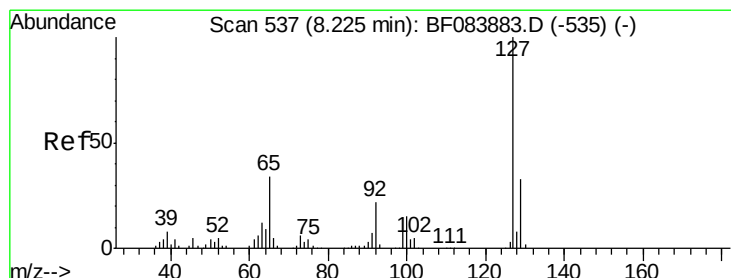
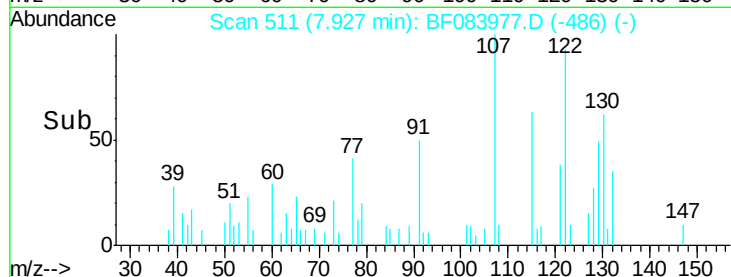
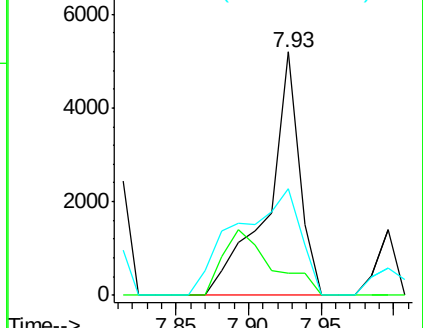
77 43.8 63.5 103.5#



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



#33

4-Chloroaniline

Concen: 12.44 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.07 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Tgt Ion:127 Resp: 88400

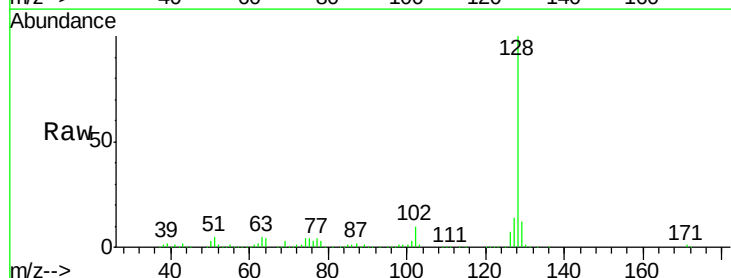
Ion Ratio Lower Upper

127 100

129 84.0 26.5 39.7#

65 0.0 27.2 40.8#

92 0.0 17.7 26.5#

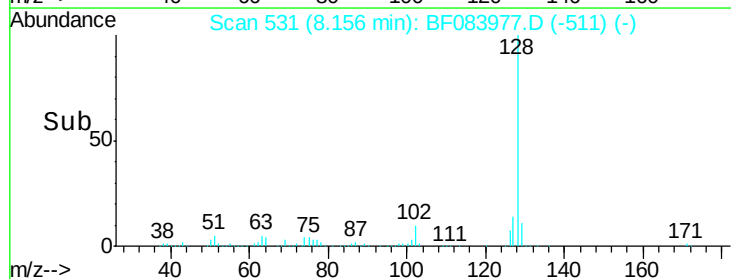
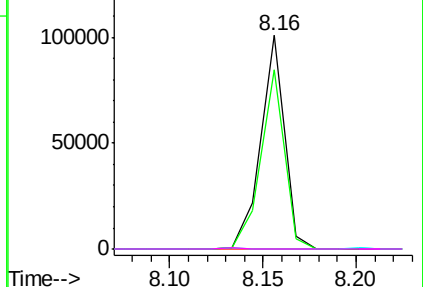


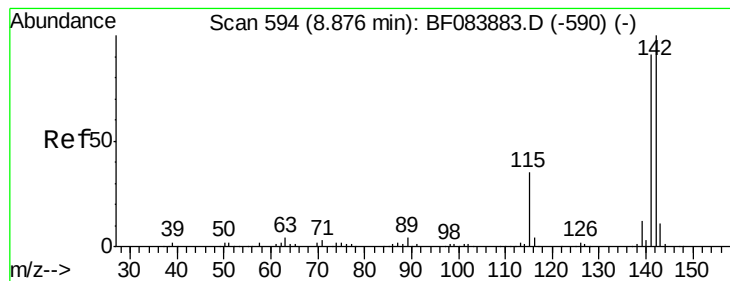
Abundance Ion 127.00 (126.70 to 127.70): E

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: 5.21 ng

RT: 8.84 min Scan# 591

Delta R.T. -0.03 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

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BNA_F

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WC121515-LIQUID-POPH

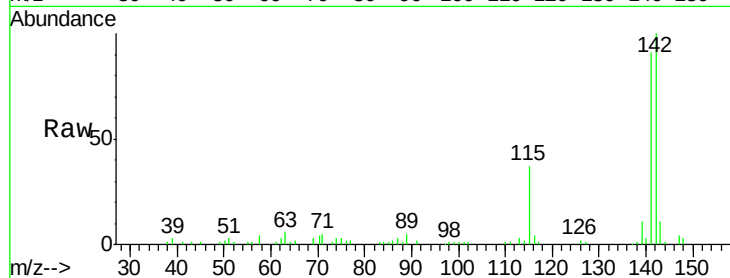
Tgt Ion:142 Resp: 56678

Ion Ratio Lower Upper

142 100

141 90.7 72.4 108.6

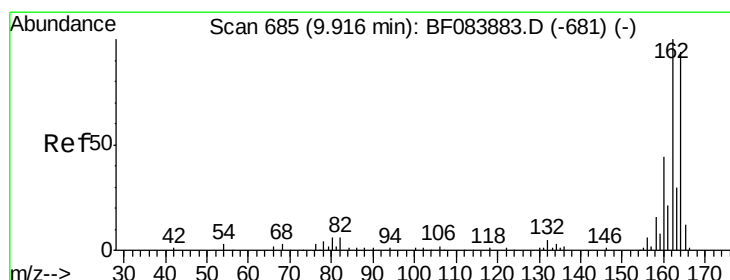
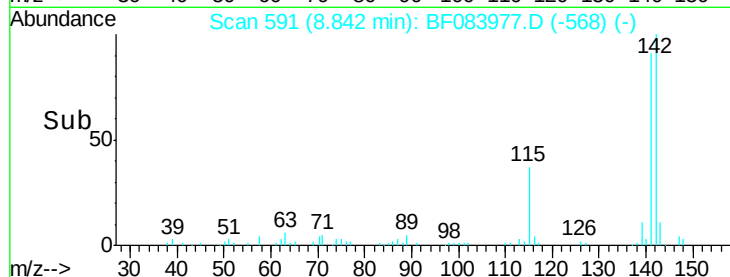
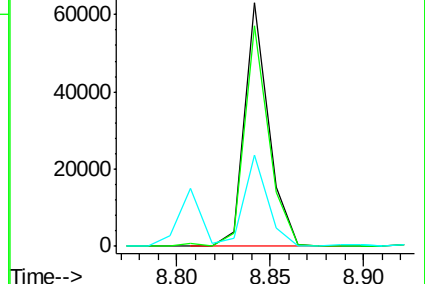
115 37.3 27.9 41.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

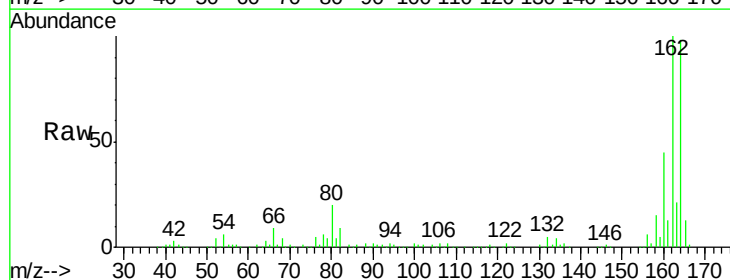
Tgt Ion:164 Resp: 140898

Ion Ratio Lower Upper

164 100

162 101.7 85.1 127.7

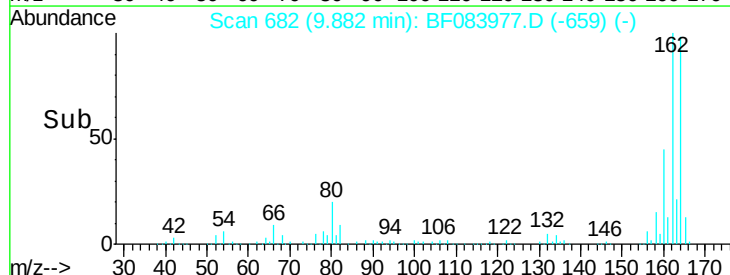
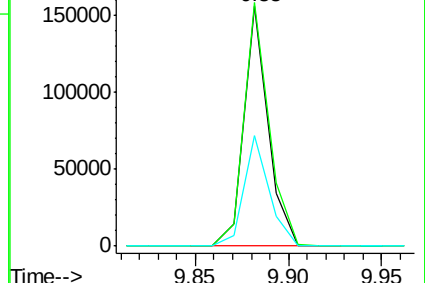
160 46.1 37.5 56.3

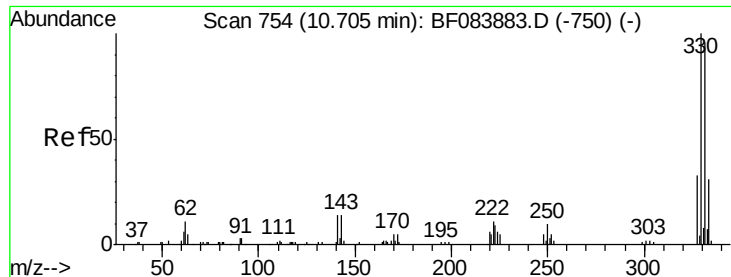


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

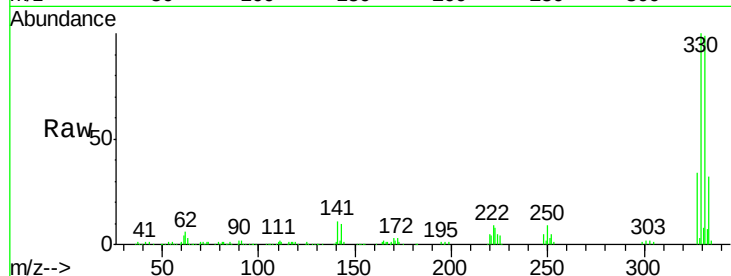




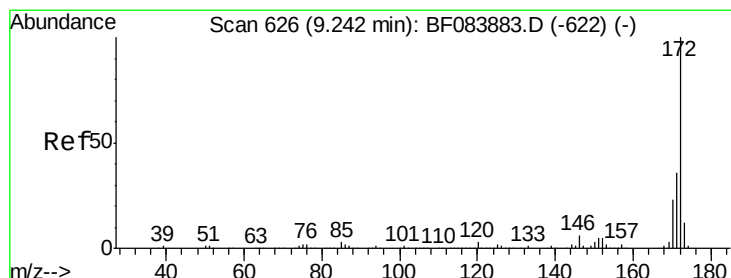
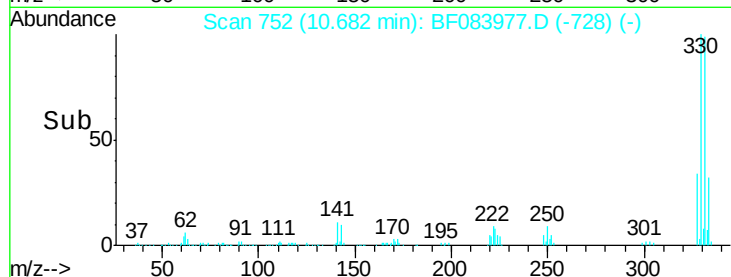
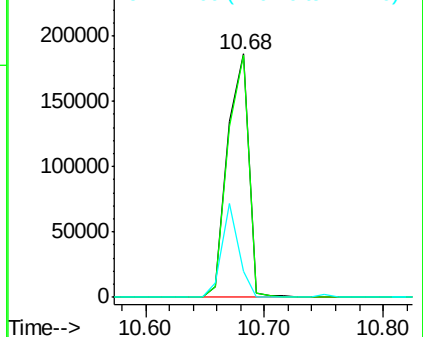
#41
 2,4,6-Tribromophenol
 Concen: 147.80 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.6	114.8
141	31.3	27.8	41.6

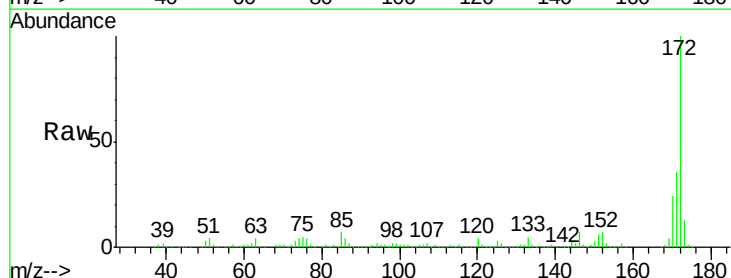


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

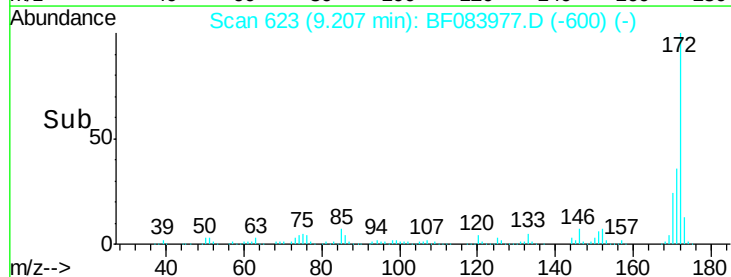
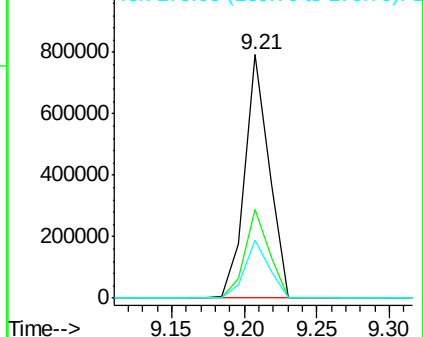


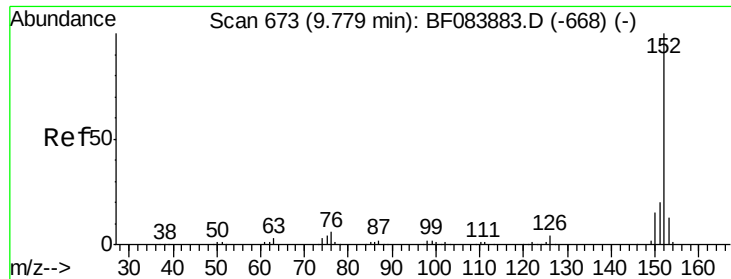
#44
 2-Fluorobiphenyl
 Concen: 93.66 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.0	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

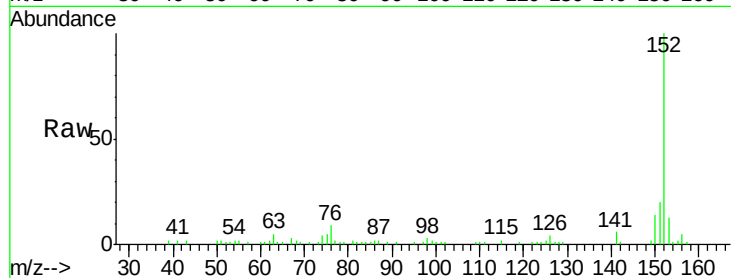




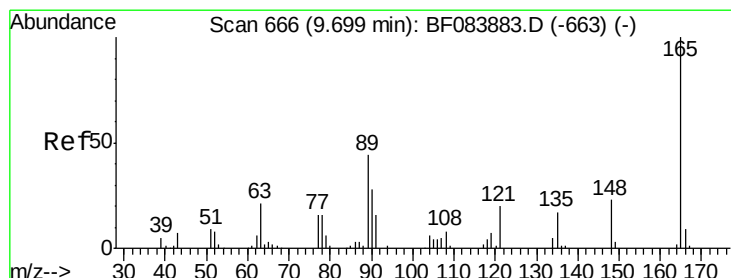
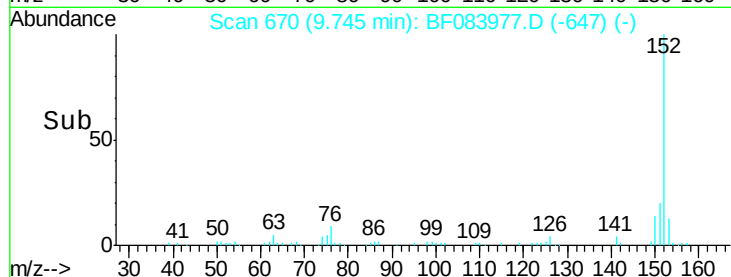
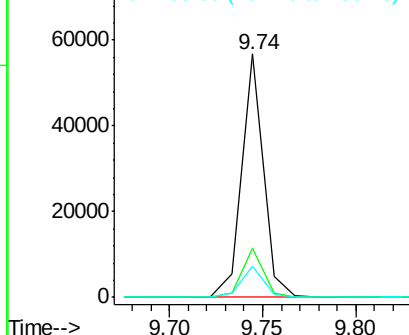
#48
 Acenaphthylene
 Concen: 2.83 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.03 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	12.8	10.4	15.6

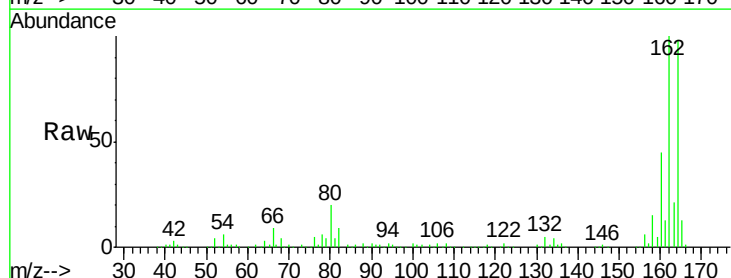


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

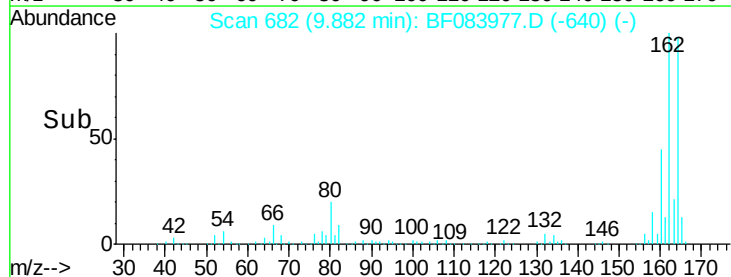
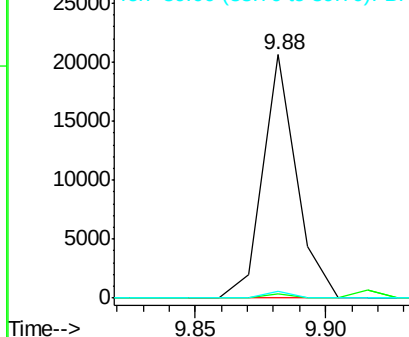


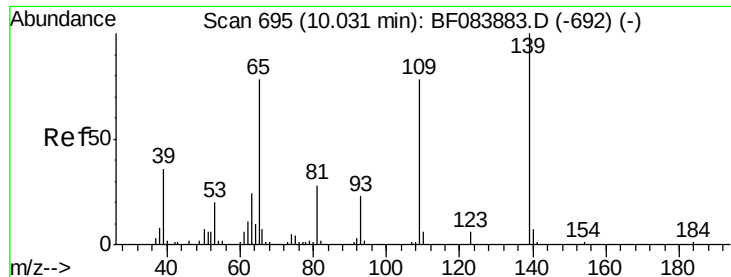
#50
 2,6-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.18 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	28.8	43.2#
89	2.7	35.1	52.7#



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





#55

4-Nitrophenol

Concen: 2.84 ng

RT: 10.09 min Scan# 700

Delta R.T. 0.06 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

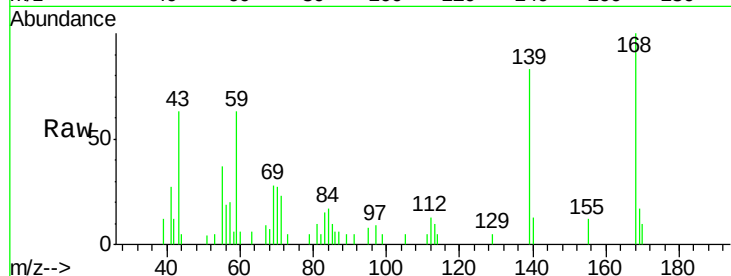
Tgt Ion:139 Resp: 4815

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

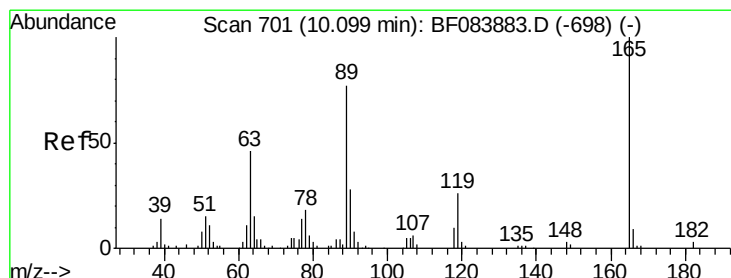
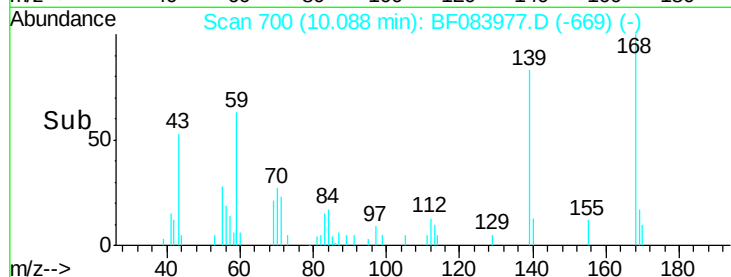
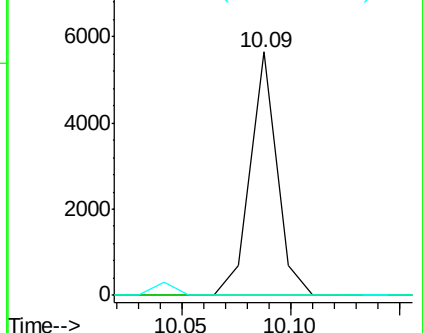
65 0.0 57.6 97.6#



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



#56

2,4-Dinitrotoluene

Concen: 5.59 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.22 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Tgt Ion:165 Resp: 18470

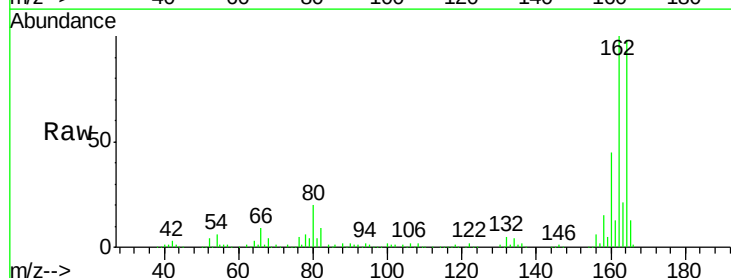
Ion Ratio Lower Upper

165 100

63 1.9 36.7 55.1#

89 2.7 61.9 92.9#

182 0.0 2.0 3.0#

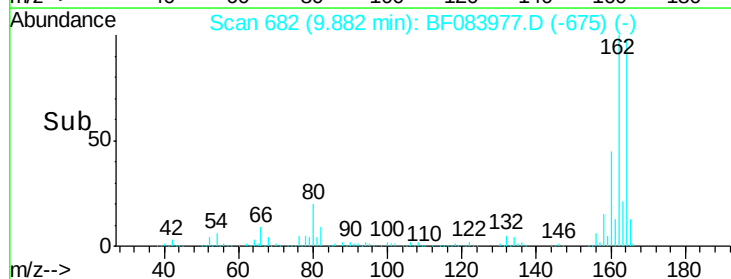
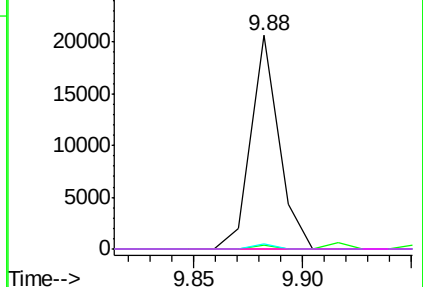


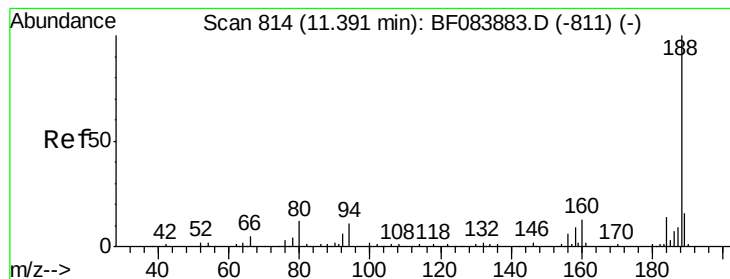
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

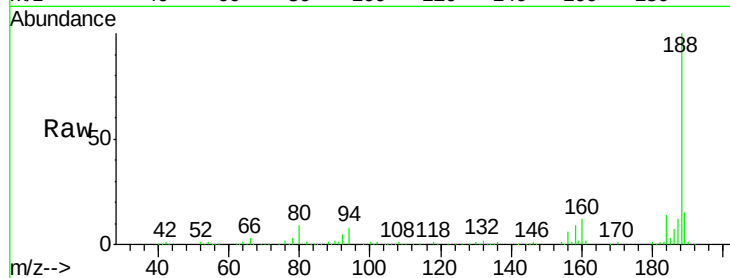
Tgt Ion:188 Resp: 200605

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

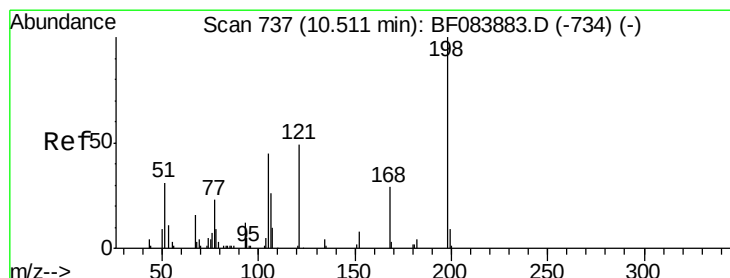
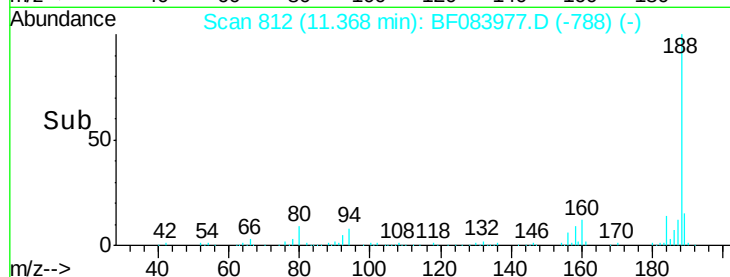
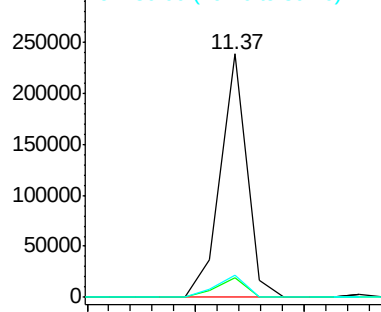
80 8.9 9.6 14.4#



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: 4.14 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.16 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

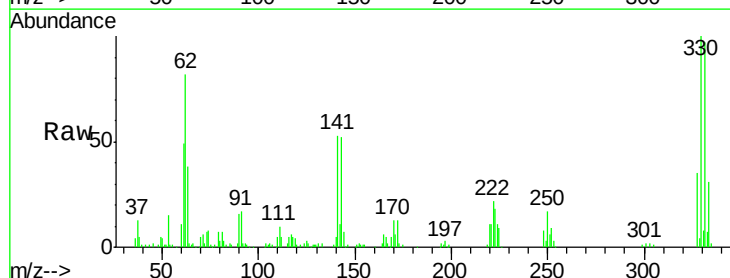
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 207.7 18.9 58.9#

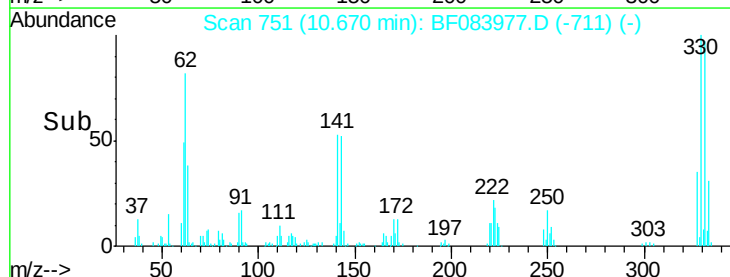
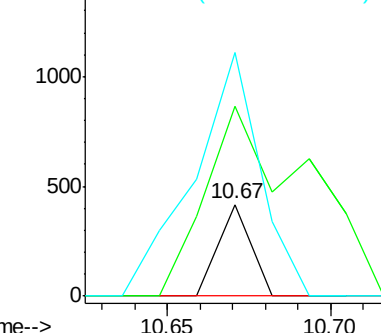
105 265.3 26.4 66.4#

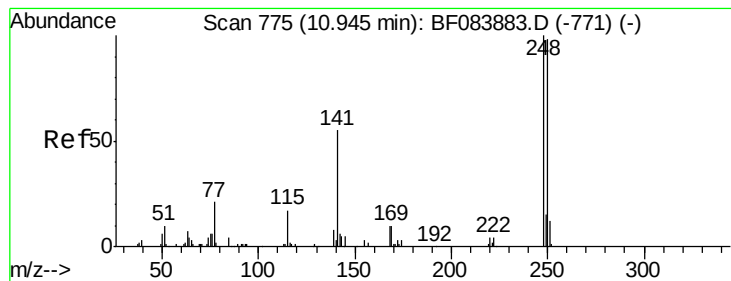


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.83 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.27 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPH

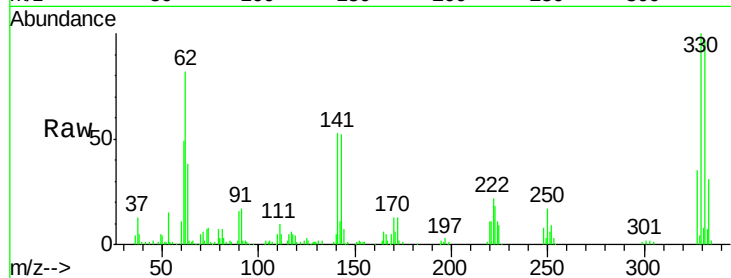
Tgt Ion:248 Resp: 14299

Ion Ratio Lower Upper

248 100

250 199.2 78.4 117.6#

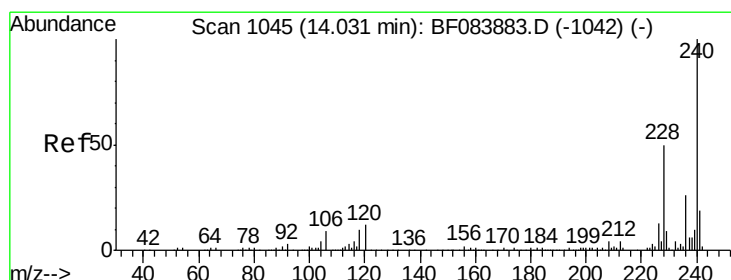
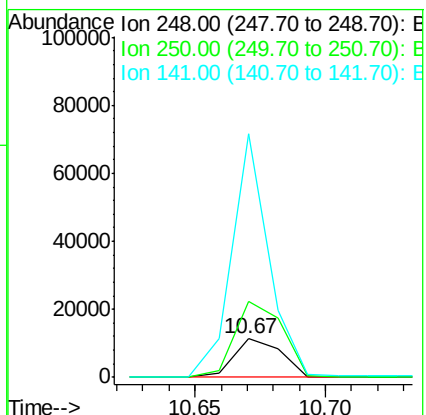
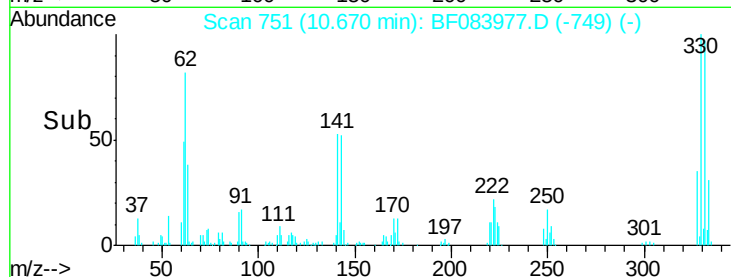
141 635.8 44.0 66.0#



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: 14.00 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BF083977.D

Acq: 20 Dec 2015 4:03

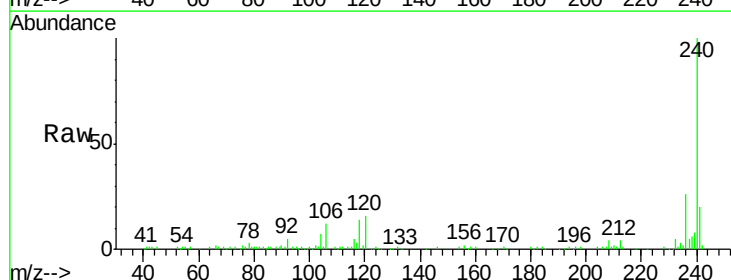
Tgt Ion:240 Resp: 142847

Ion Ratio Lower Upper

240 100

120 16.3 9.5 14.3#

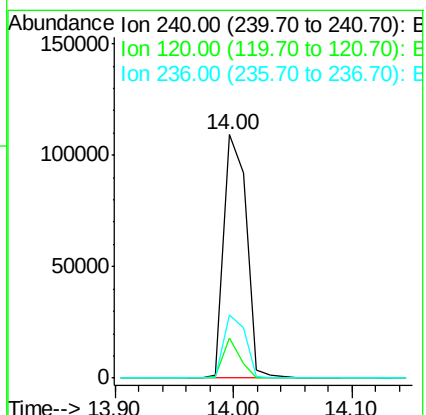
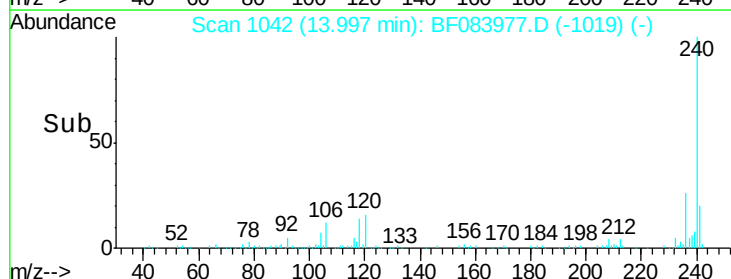
236 25.9 20.6 31.0

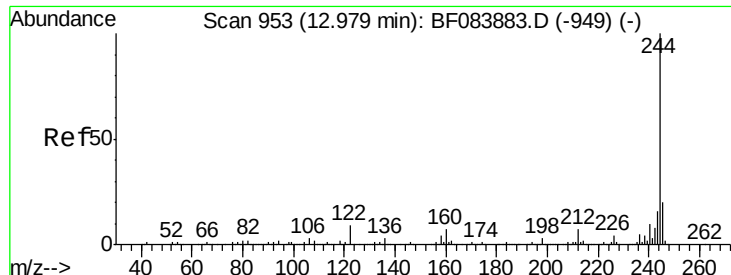


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

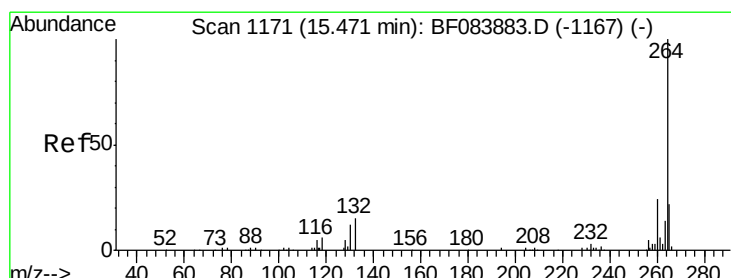
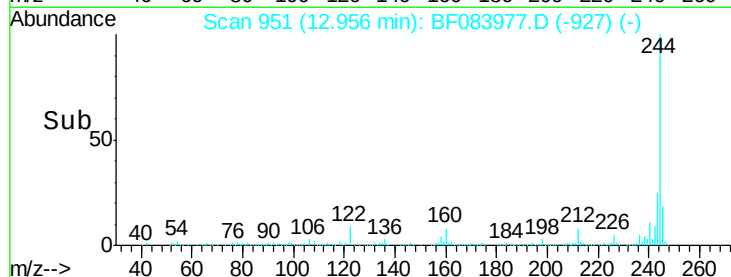
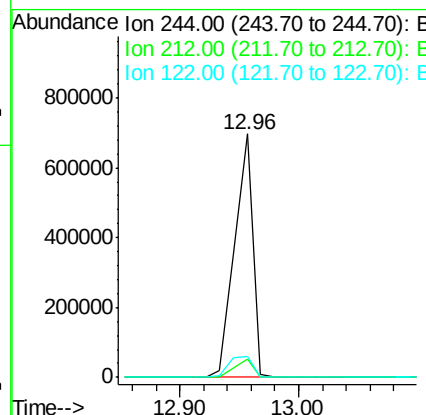
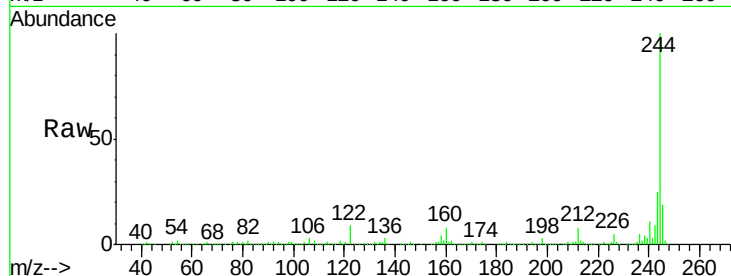




#78
 Terphenyl-d14
 Concen: 124.29 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion:244 Resp: 741706
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 8.8 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083977.D
 Acq: 20 Dec 2015 4:03

Tgt Ion:264 Resp: 143724
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.4 29.2
 265 20.9 17.8 26.6

