

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100915\
 Data File : BF082146.D
 Acq On : 9 Oct 2015 15:36
 Operator : UM/IZ
 Sample : G3944-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 22:50:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 22:47:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107294	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	388266	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	181444	20.00	ng	0.01
63) Phenanthrene-d10	11.39	188	373241	20.00	ng	0.01
75) Chrysene-d12	14.02	240	380137	20.00	ng	-0.01
86) Perylene-d12	15.46	264	285894	20.00	ng	-0.01

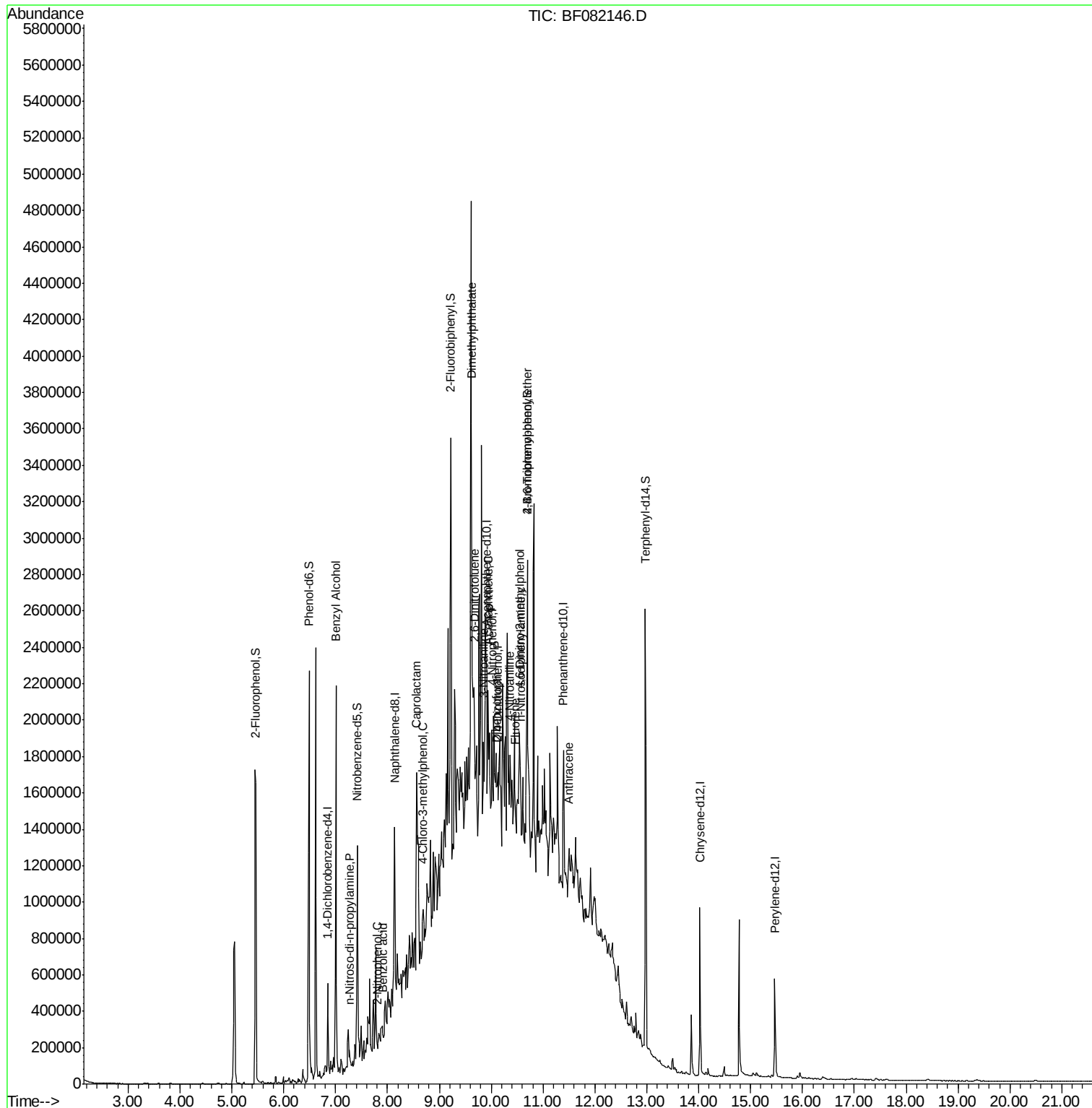
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	787825	133.29	ng	0.02
7) Phenol-d6	6.49	99	1011617	136.02	ng	0.00
23) Nitrobenzene-d5	7.42	82	631365	108.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	244064	132.82	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	964245	89.94	ng	0.00
78) Terphenyl-d14	12.97	244	1148276	103.80	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.01	79	12077	2.25	ng	# 33
19) n-Nitroso-di-n-propylamine	7.27	70	10211	2.26	ng	# 51
26) 2-Nitrophenol	7.81	139	6349	2.09	ng	# 1
32) Benzoic acid	7.92	122	6418	9.05	ng	# 15
35) Caprolactam	8.56	113	43014	30.00	ng	# 1
36) 4-Chloro-3-methylphenol	8.69	107	15424	3.05	ng	# 13
49) Dimethylphthalate	9.62	163	210041	16.77	ng	# 94
50) 2,6-Dinitrotoluene	9.67	165	23548	8.66	ng	# 65
51) Acenaphthene	9.94	154	26061	2.49	ng	# 40
52) 3-Nitroaniline	9.85	138	27713	8.81	ng	# 28
53) 2,4-Dinitrophenol	10.11	184	4933	7.81	ng	# 1
54) Dibenzofuran	10.10	168	51267	3.47	ng	# 47
55) 4-Nitrophenol	10.01	139	6328	2.78	ng	# 1
57) Fluorene	10.46	166	44864	2.22	ng	# 79
61) 4-Nitroaniline	10.35	138	24246	7.69	ng	# 89
64) 4,6-Dinitro-2-methylphenol	10.55	198	4917	4.66	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	152166	13.47	ng	# 48
66) 4-Bromophenyl-phenylether	10.70	248	15660	4.16	ng	# 1
70) Phenanthrene	11.42	178	26527	Below	Cal	# 34
71) Anthracene	11.50	178	46513	2.45	ng	# 1
73) Di-n-butylphthalate	11.92	149	12312	Below	Cal	# 28

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

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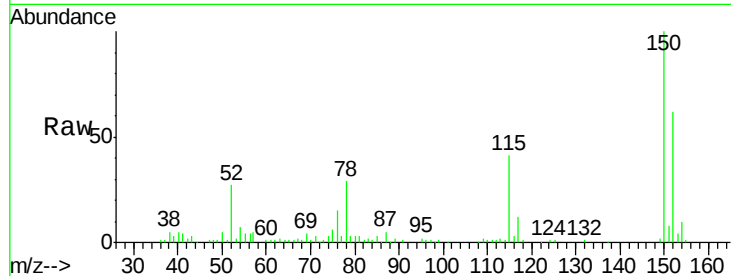


#1

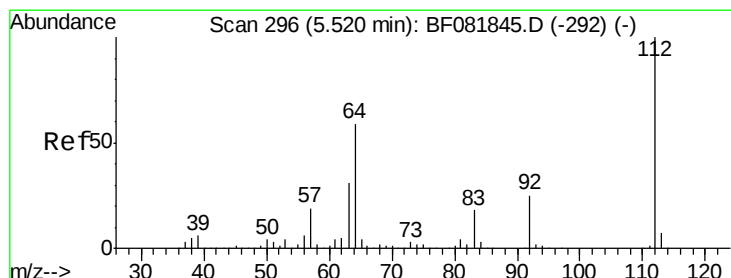
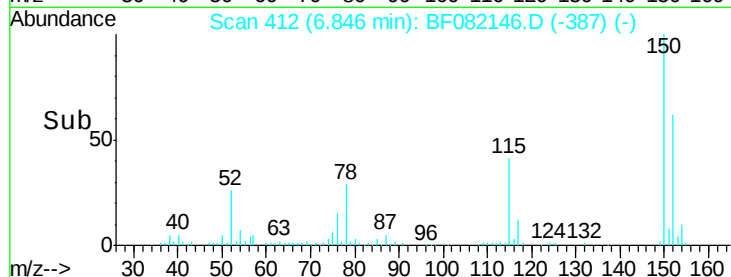
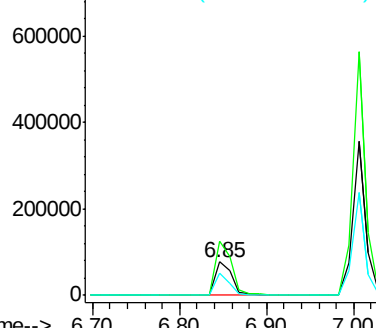
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 412
Delta R.T. -0.01 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107294
Ion Ratio Lower Upper
152 100
150 161.3 124.7 187.1
115 65.8 39.0 58.4#



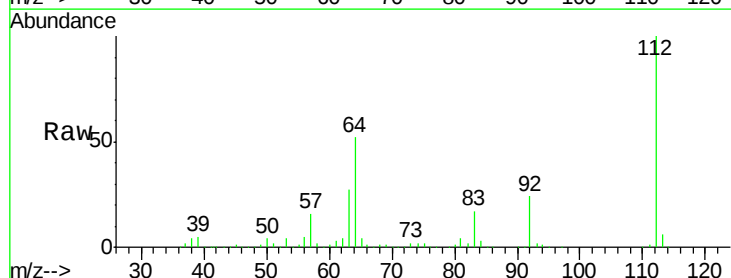
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



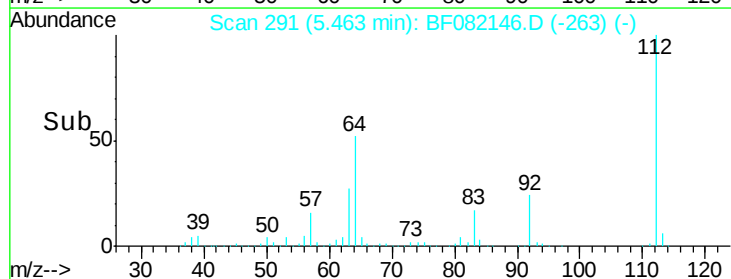
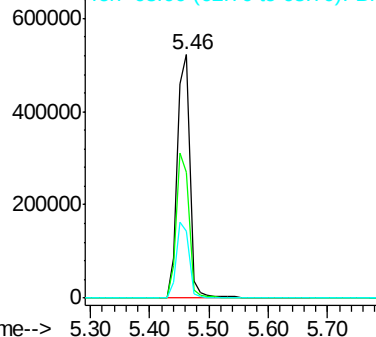
#5

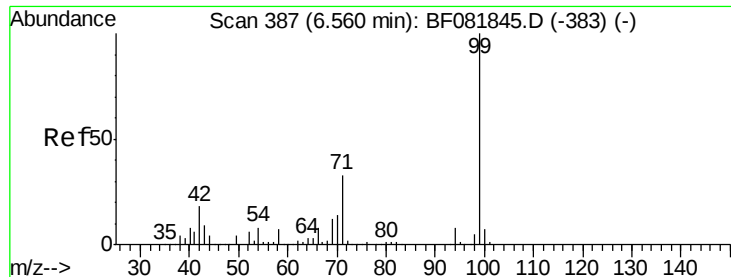
2-Fluorophenol
Concen: 133.29 ng
RT: 5.46 min Scan# 291
Delta R.T. 0.02 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:112 Resp: 787825
Ion Ratio Lower Upper
112 100
64 51.9 39.7 59.5
63 27.5 17.4 26.0#



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: 136.02 ng

RT: 6.49 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

Instrument :

BNA_F

ClientSampleId :

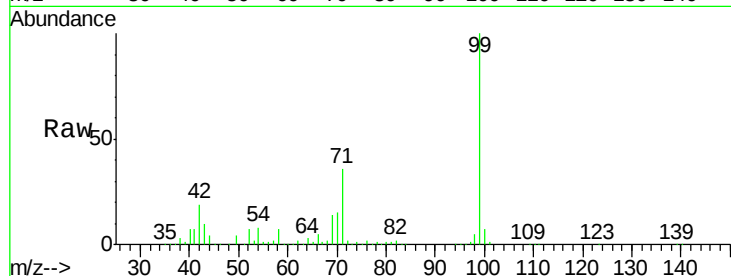
Tot Ion: 99 Resp: 1011617

Ion Ratio Lower Upper

99 100

42 18.8 13.7 20.5

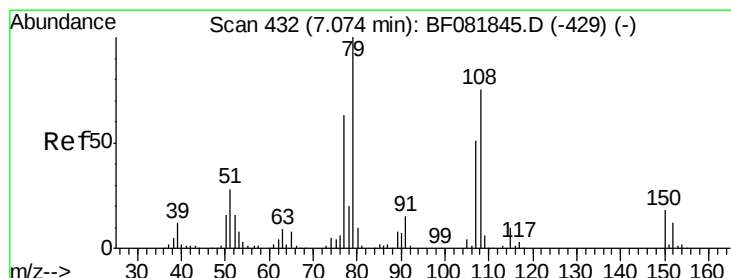
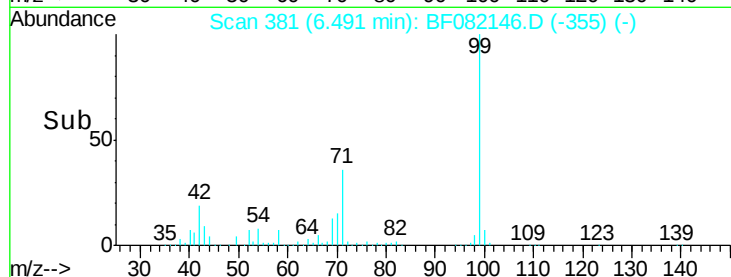
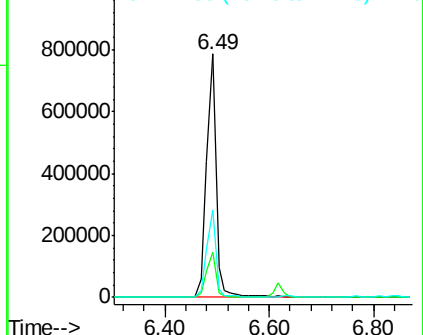
71 35.8 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 7.01 min Scan# 426

Delta R.T. -0.00 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

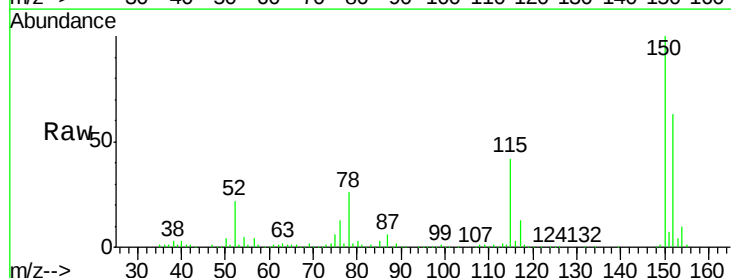
Tgt Ion: 79 Resp: 12077

Ion Ratio Lower Upper

79 100

108 30.2 88.6 132.8#

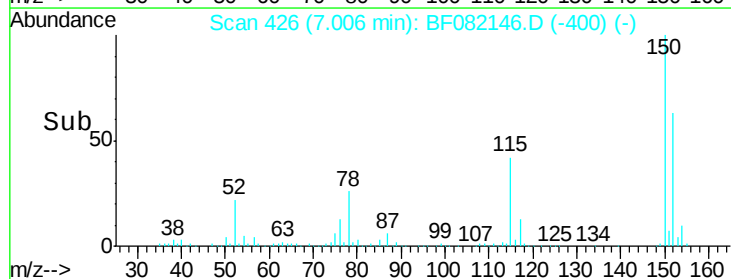
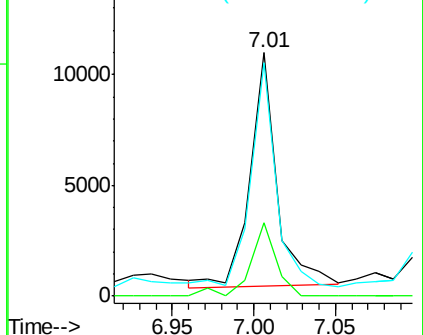
77 95.6 47.0 70.4#

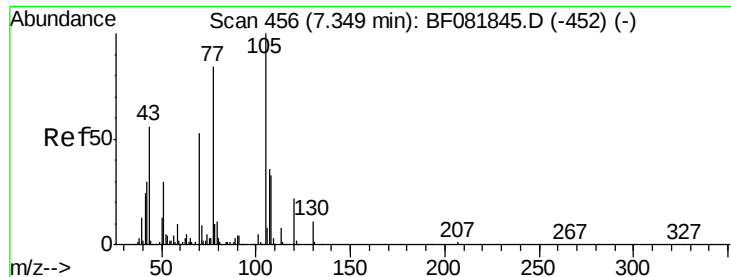


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

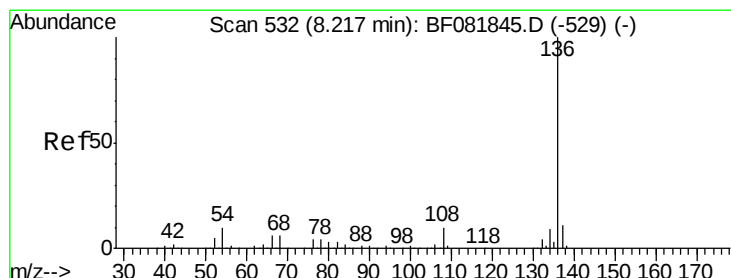
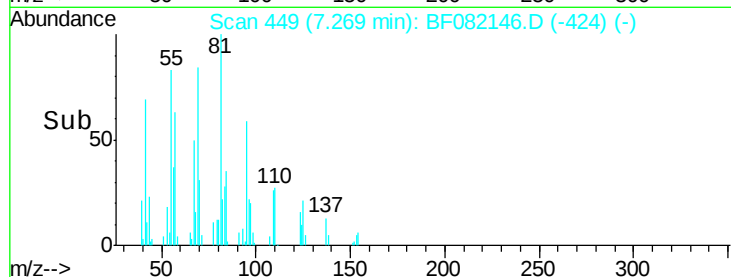
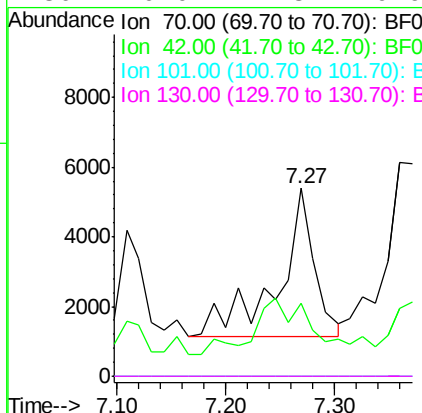
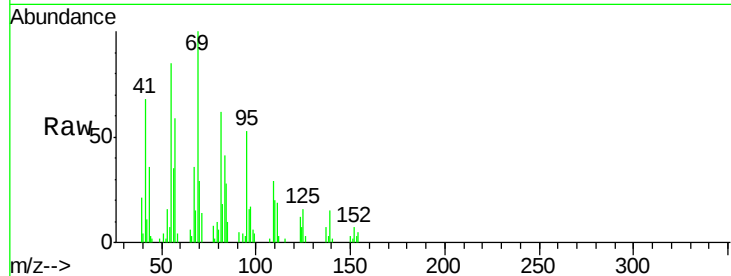




#19
n-Nitroso-di-n-propylamine
Concen: 2.26 ng
RT: 7.27 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

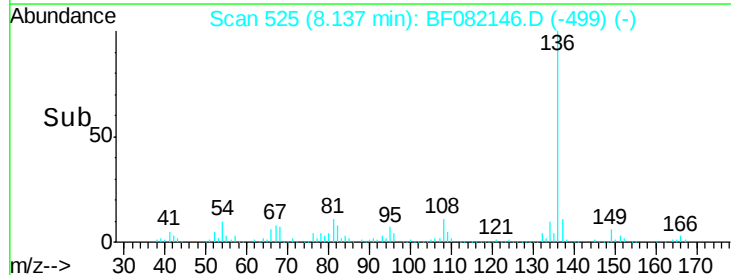
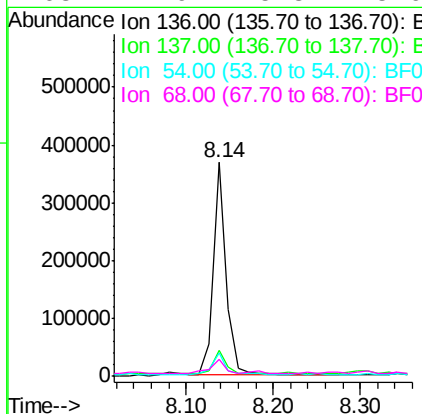
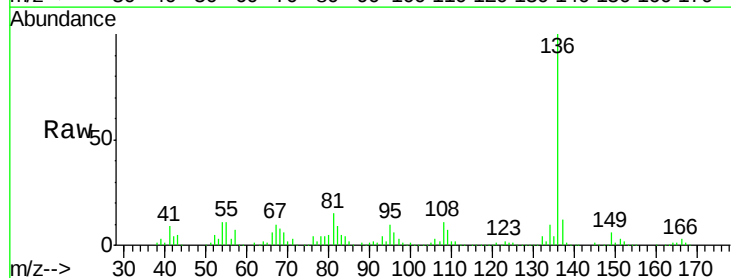
Instrument :
BNA_F
ClientSampleId :

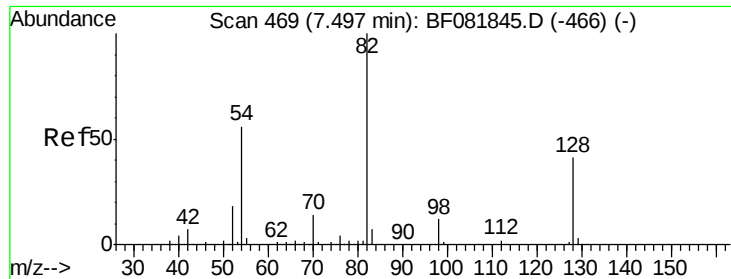
Tot Ion: 70 Resp: 10211
Ion Ratio Lower Upper
70 100
42 38.7 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:136 Resp: 388266
Ion Ratio Lower Upper
136 100
137 12.2 9.0 13.6
54 10.7 8.2 12.2
68 7.9 5.8 8.6

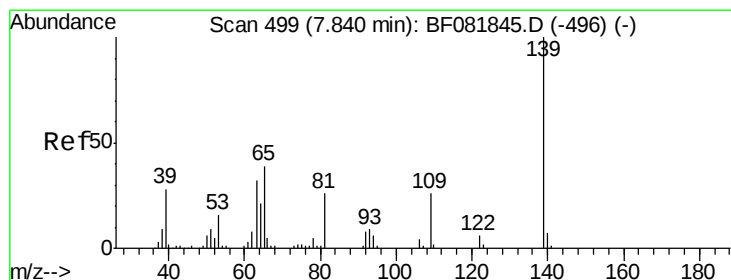
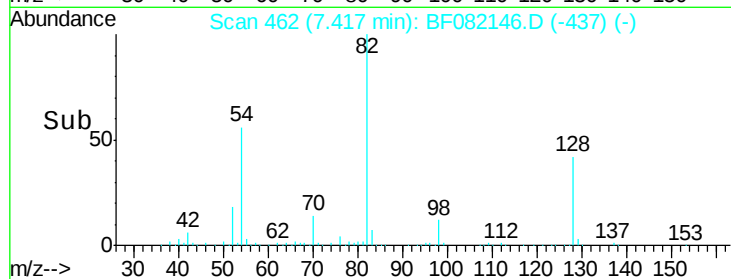
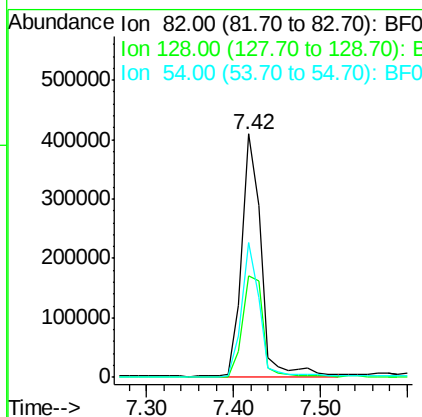
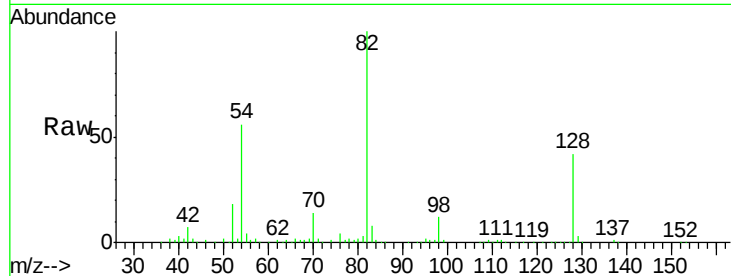




#23
 Nitrobenzene-d5
 Concen: 108.40 ng
 RT: 7.42 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF082146.D
 Acq: 9 Oct 2015 15:36

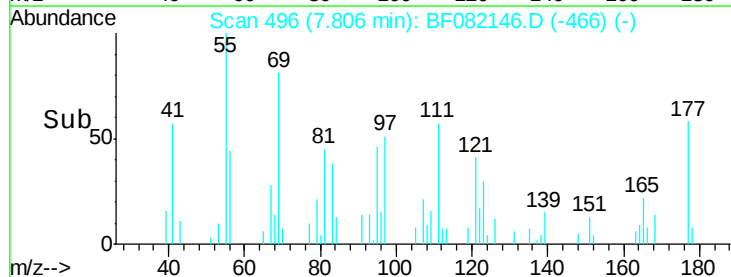
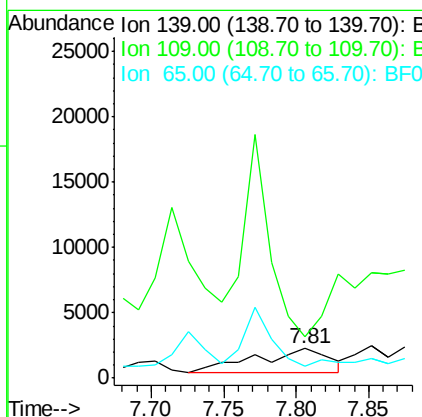
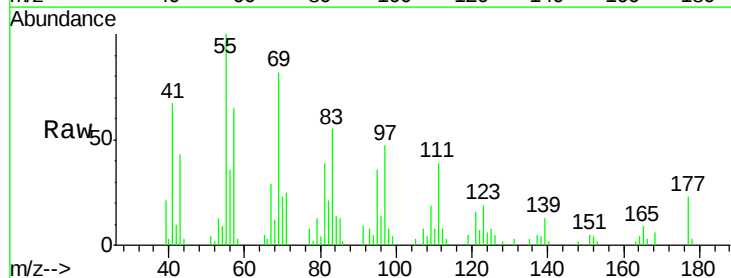
Instrument :
 BNA_F
 ClientSampled :

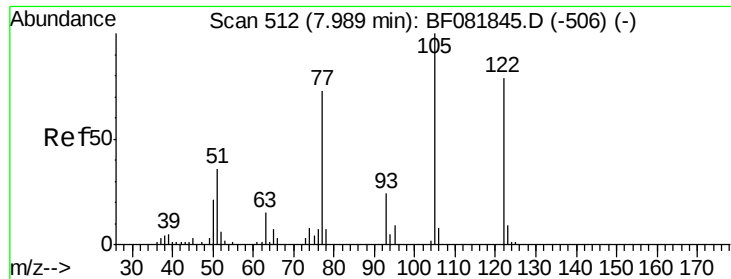
Tot Ion	82	Resp	631365
Ion Ratio	Lower	Upper	
82	100		
128	41.6	51.0	76.6#
54	55.5	47.5	71.3



#26
 2-Nitrophenol
 Concen: 2.09 ng
 RT: 7.81 min Scan# 496
 Delta R.T. 0.05 min
 Lab File: BF082146.D
 Acq: 9 Oct 2015 15:36

Tgt Ion	139	Resp	6349
Ion Ratio	Lower	Upper	
139	100		
109	142.8	11.0	16.4#
65	39.0	24.7	37.1#

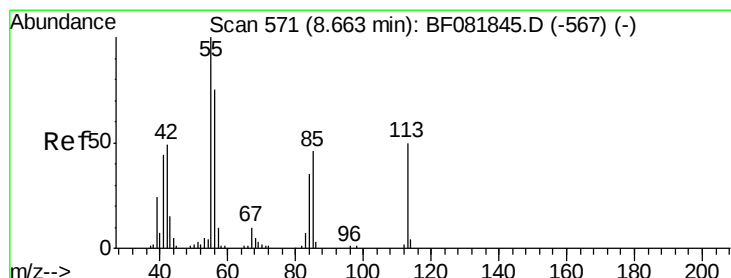
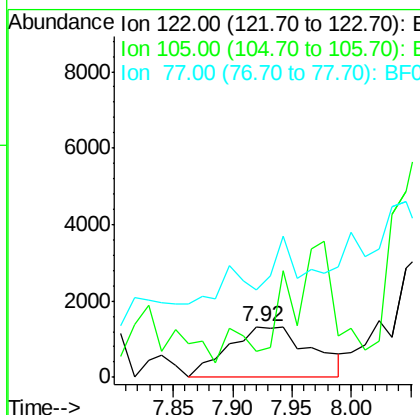
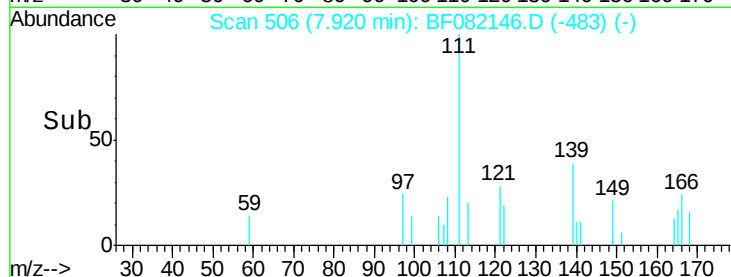
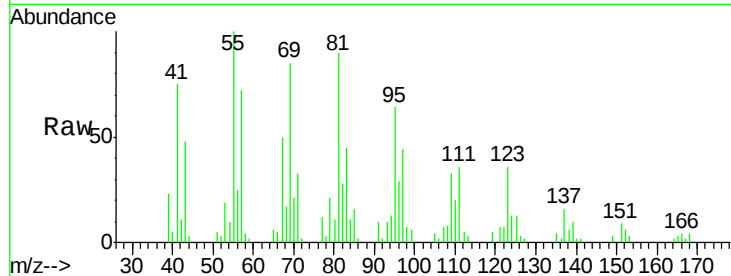




#32
Benzoic acid
Concen: 9.05 ng
RT: 7.92 min Scan# 506
Delta R.T. -0.03 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

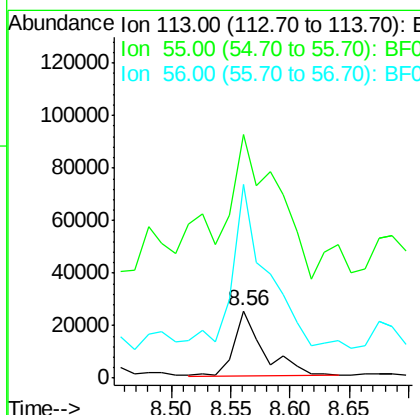
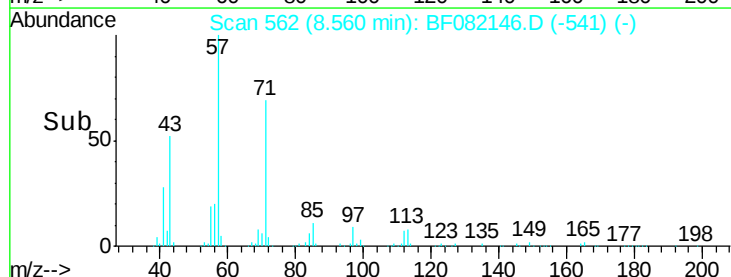
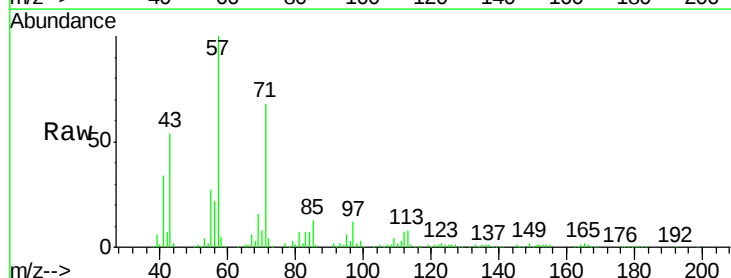
Instrument :
BNA_F
ClientSampleId :

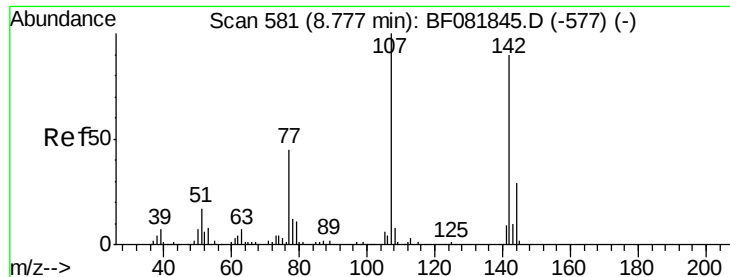
Tot Ion:122 Resp: 6418
Ion Ratio Lower Upper
122 100
105 52.6 76.1 116.1#
77 174.1 40.5 80.5#



#35
Caprolactam
Concen: 30.00 ng
RT: 8.56 min Scan# 562
Delta R.T. -0.06 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:113 Resp: 43014
Ion Ratio Lower Upper
113 100
55 362.1 152.4 192.4#
56 288.9 104.6 144.6#

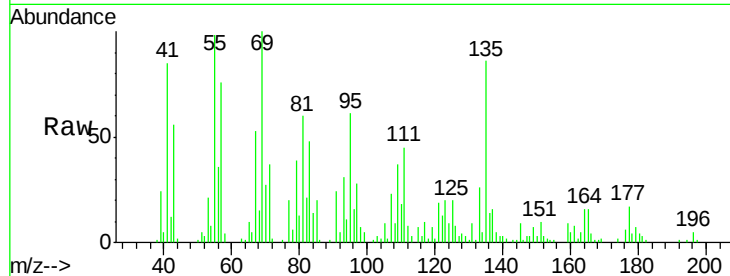




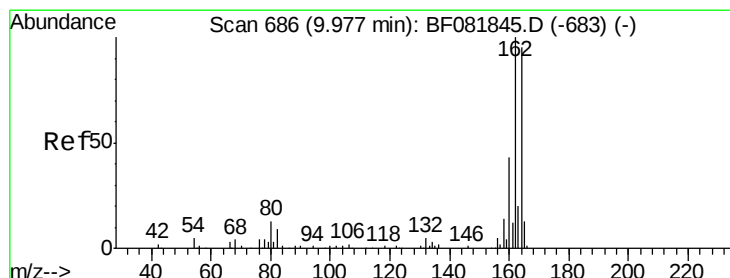
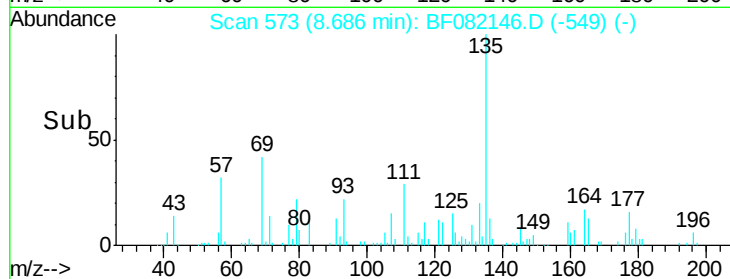
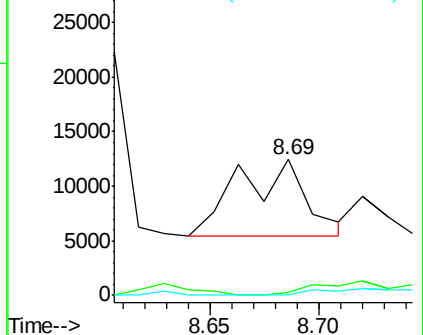
#36
4-Chloro-3-methylphenol
Concen: 3.05 ng
RT: 8.69 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 15424
Ion Ratio Lower Upper
107 100
144 2.6 25.4 38.0#
142 0.0 77.3 115.9#

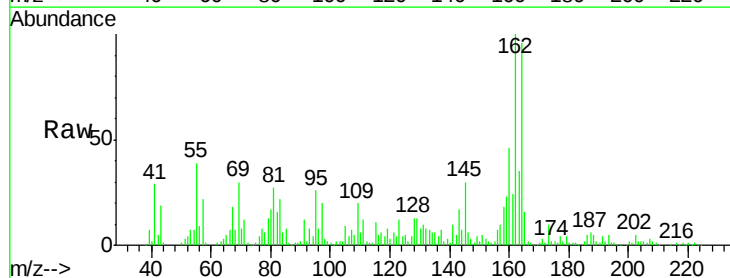


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

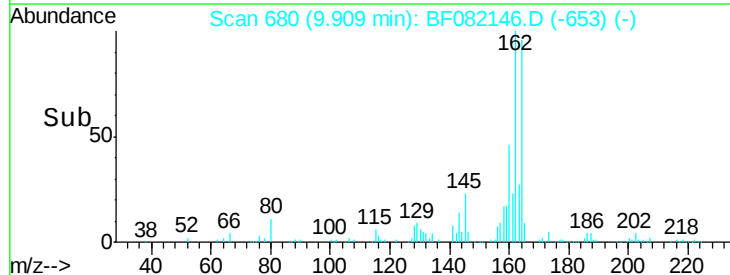
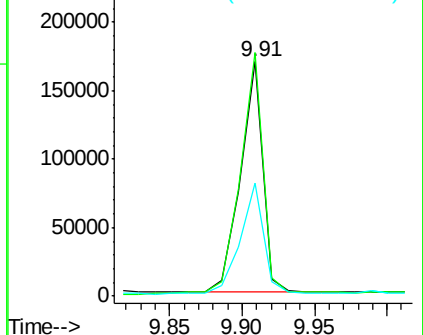


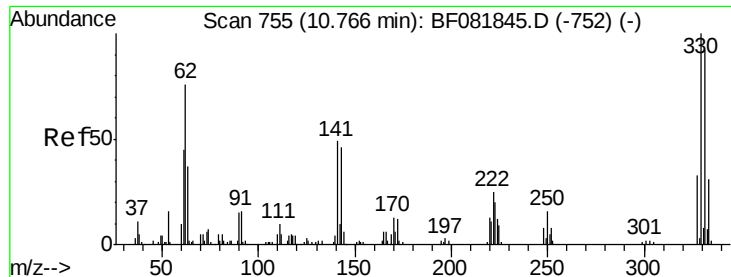
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 680
Delta R.T. 0.01 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:164 Resp: 181444
Ion Ratio Lower Upper
164 100
162 103.8 75.2 112.8
160 48.2 31.5 47.3#



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

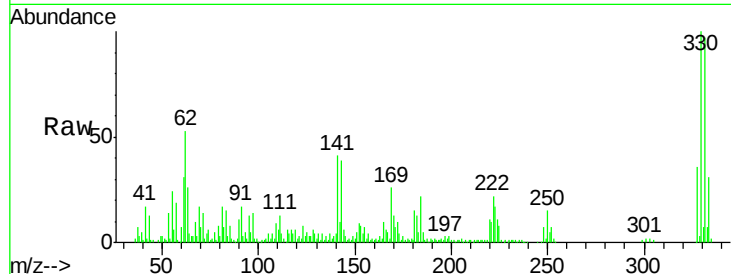




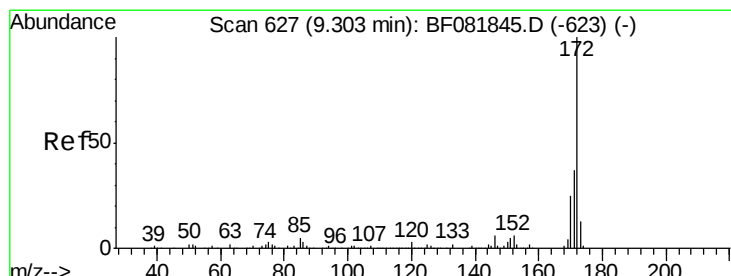
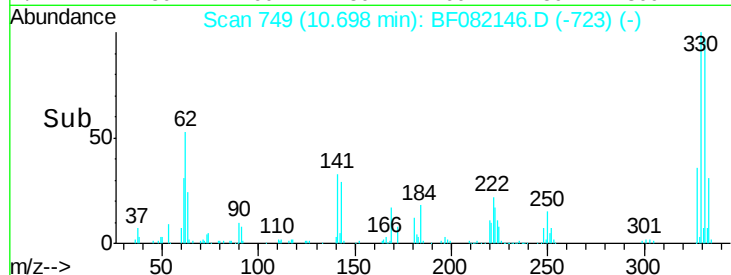
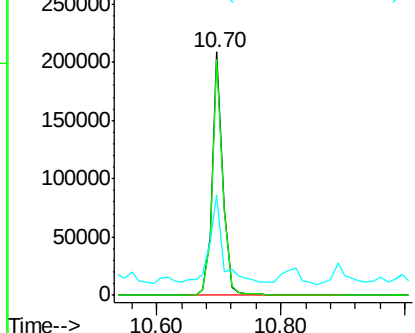
#41
 2,4,6-Tribromophenol
 Concen: 132.82 ng
 RT: 10.70 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF082146.D
 Acq: 9 Oct 2015 15:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 244064
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 114.8
 141 44.1 29.7 44.5

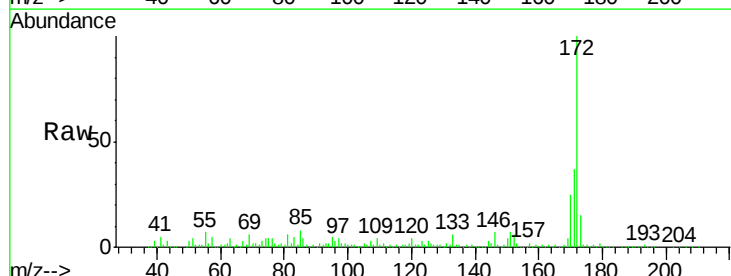


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

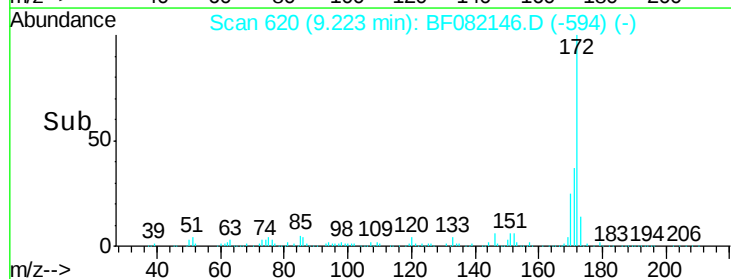
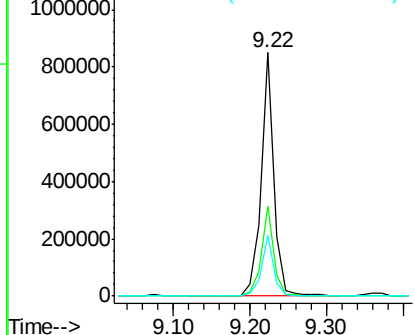


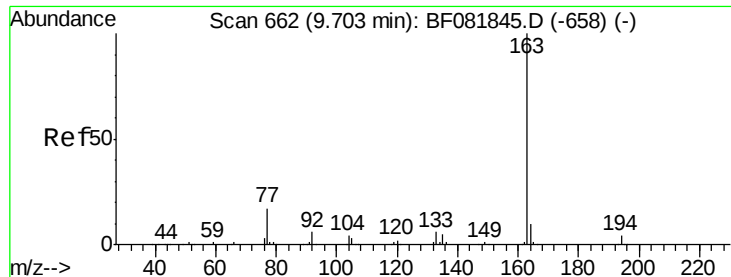
#44
 2-Fluorobiphenyl
 Concen: 89.94 ng
 RT: 9.22 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF082146.D
 Acq: 9 Oct 2015 15:36

Tgt Ion:172 Resp: 964245
 Ion Ratio Lower Upper
 172 100
 171 36.8 26.1 39.1
 170 24.9 17.4 26.2



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

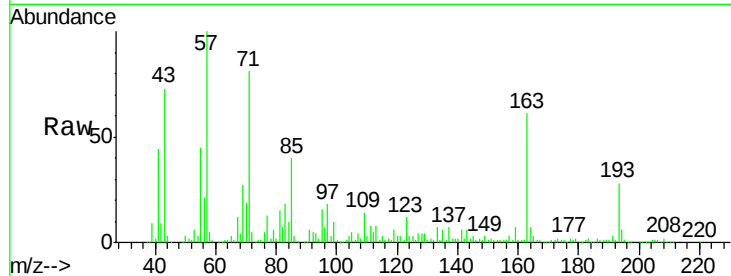




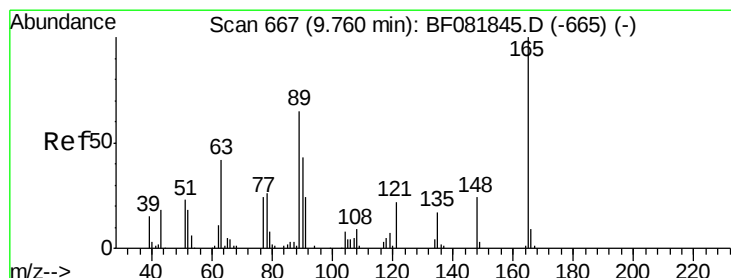
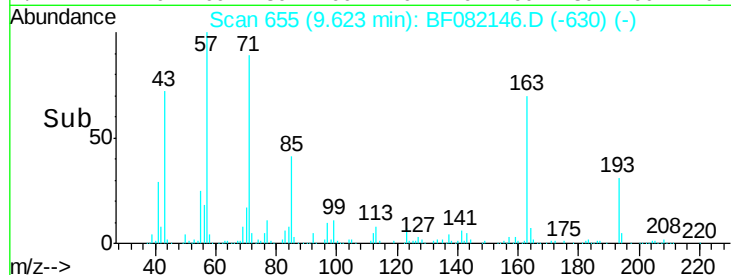
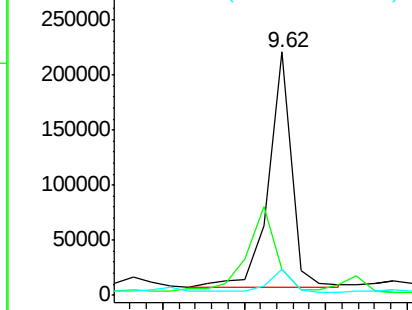
#49
Dimethylphthalate
Concen: 16.77 ng
RT: 9.62 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 210041
Ion Ratio Lower Upper
163 100
194 10.6 4.4 6.6#
164 10.8 8.3 12.5

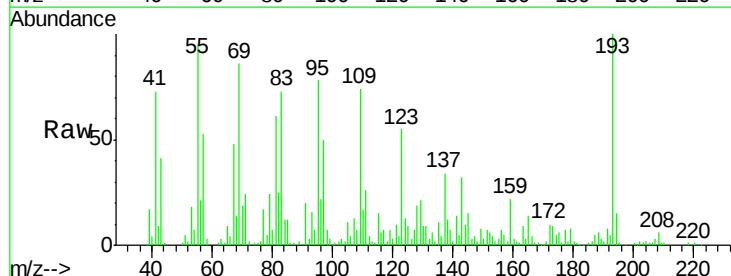


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

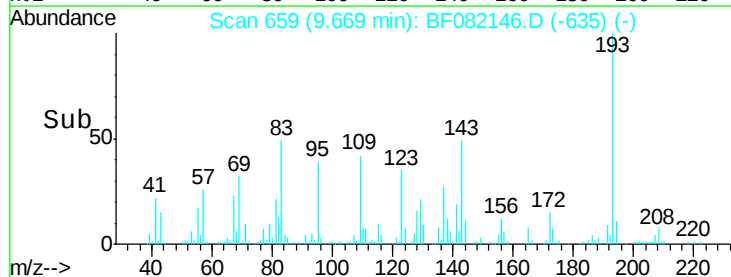
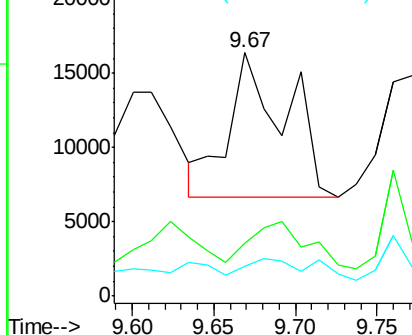


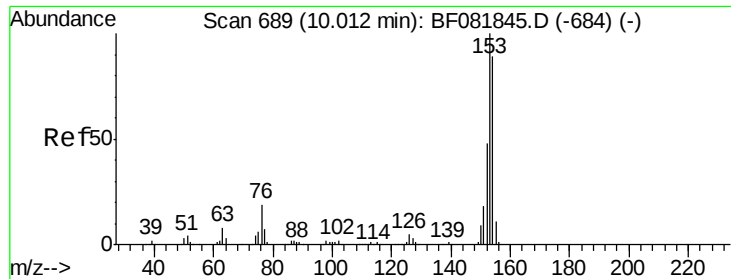
#50
2,6-Dinitrotoluene
Concen: 8.66 ng
RT: 9.67 min Scan# 659
Delta R.T. -0.02 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:165 Resp: 23548
Ion Ratio Lower Upper
165 100
63 21.9 32.3 48.5#
89 12.1 28.6 43.0#



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





#51

Acenaphthene

Concen: 2.49 ng

RT: 9.94 min Scan# 683

Delta R.T. 0.01 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

Instrument :

BNA_F

ClientSampled :

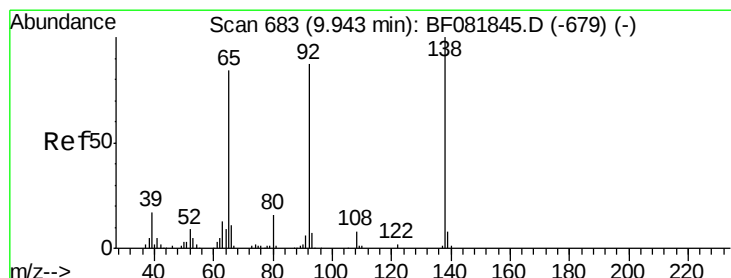
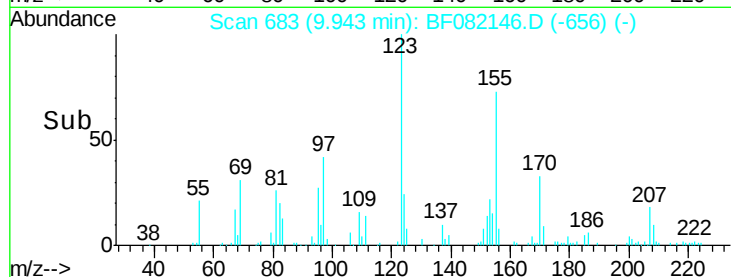
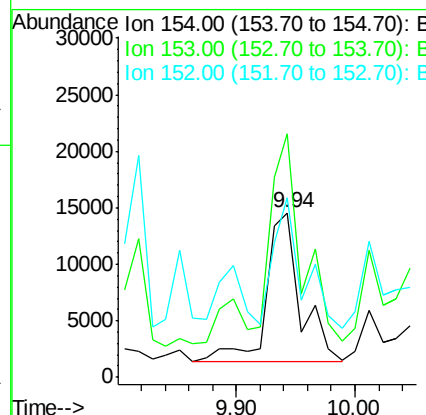
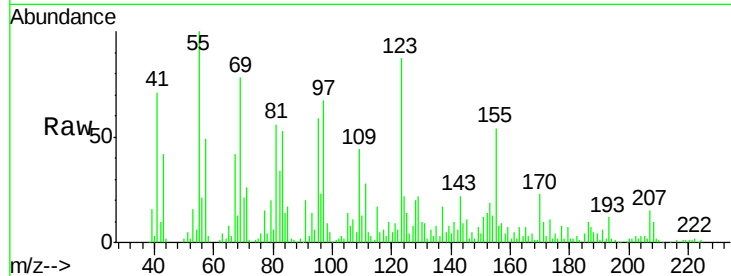
Tot Ion:154 Resp: 26061

Ion Ratio Lower Upper

154 100

153 148.1 82.1 123.1#

152 109.1 37.9 56.9#



#52

3-Nitroaniline

Concen: 8.81 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

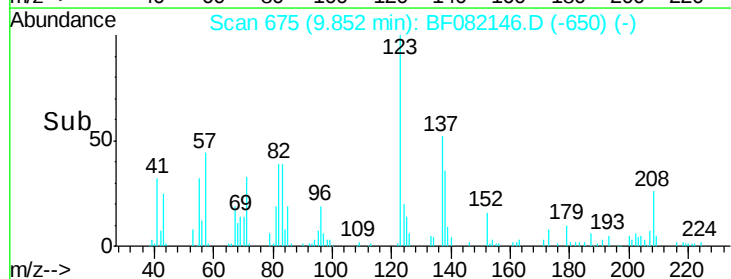
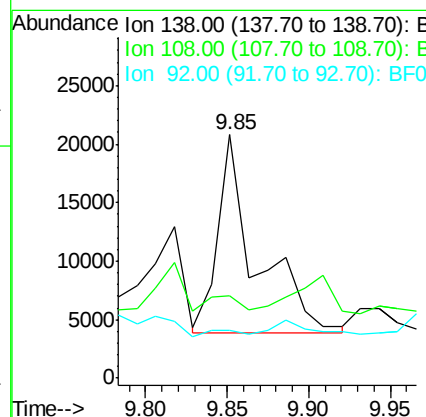
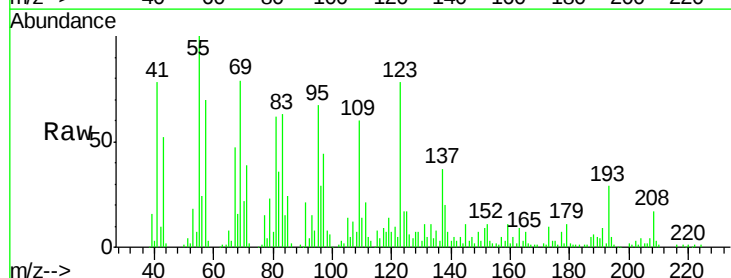
Tgt Ion:138 Resp: 27713

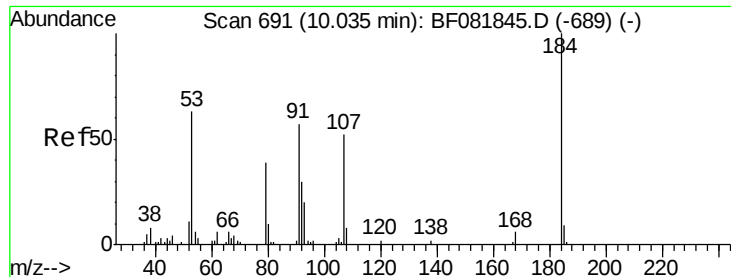
Ion Ratio Lower Upper

138 100

108 33.7 5.7 8.5#

92 19.8 67.7 101.5#

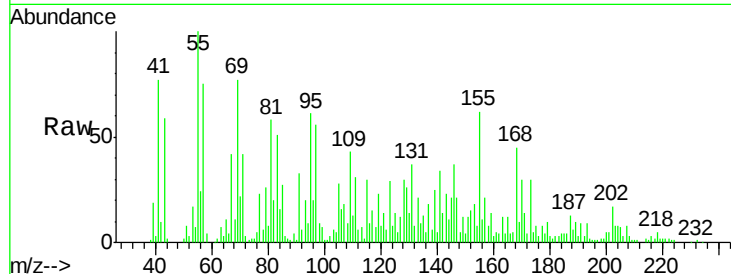




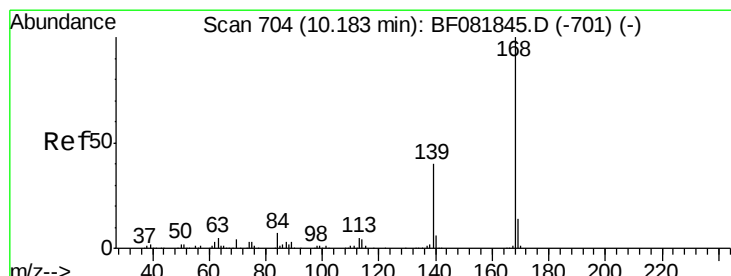
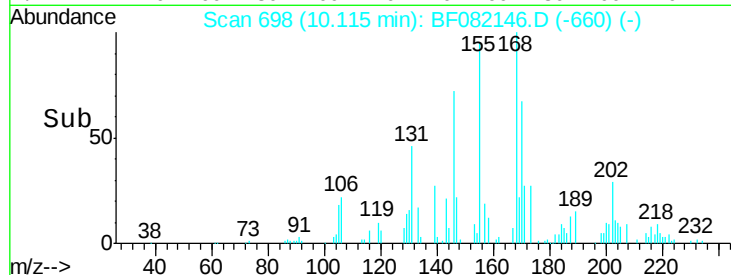
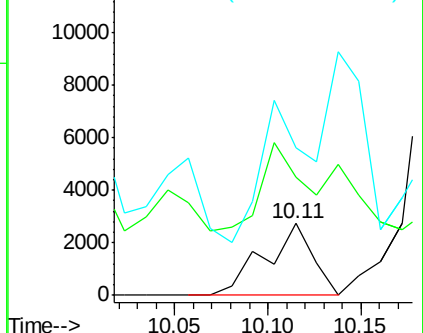
#53
2,4-Dinitrophenol
Concen: 7.81 ng
RT: 10.11 min Scan# 698
Delta R.T. 0.14 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 4933
Ion Ratio Lower Upper
184 100
63 164.0 35.4 53.2#
154 205.5 32.2 48.4#

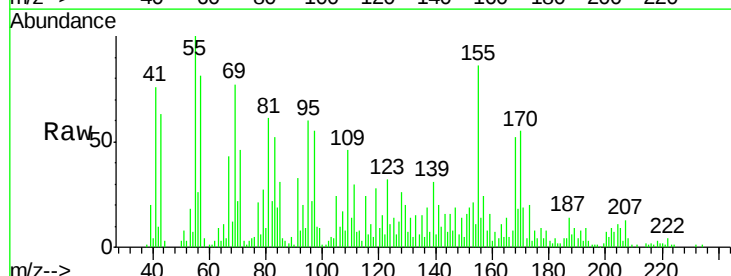


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

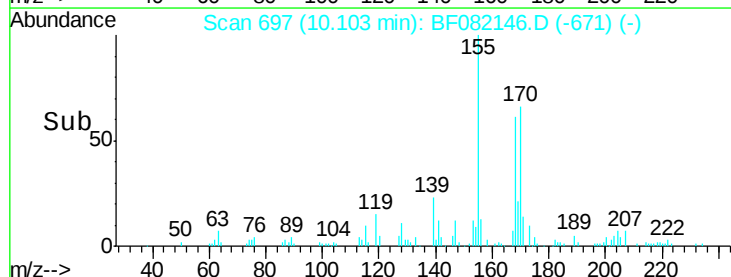
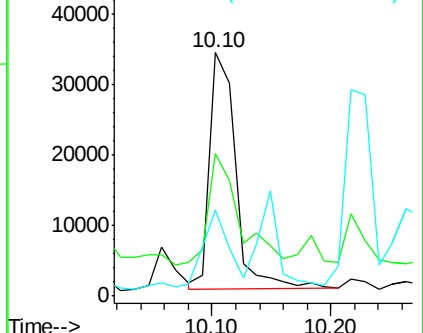


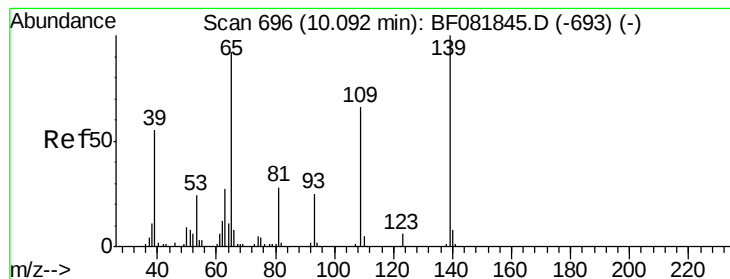
#54
Dibenzofuran
Concen: 3.47 ng
RT: 10.10 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:168 Resp: 51267
Ion Ratio Lower Upper
168 100
139 58.5 24.2 36.2#
169 35.2 10.6 15.8#



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: 2.78 ng

RT: 10.01 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

Instrument :

BNA_F

ClientSampled :

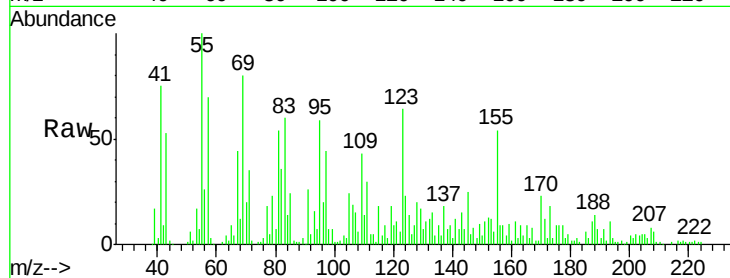
Tot Ion:139 Resp: 6328

Ion Ratio Lower Upper

139 100

109 504.3 12.7 52.7#

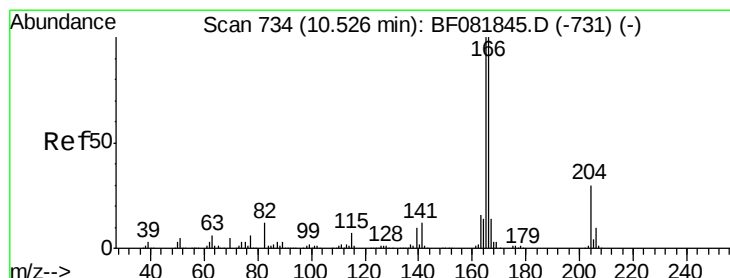
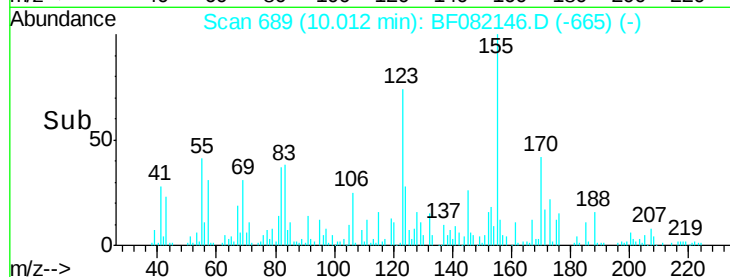
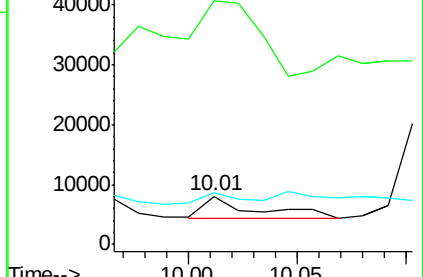
65 106.7 45.9 85.9#



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: 2.22 ng

RT: 10.46 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

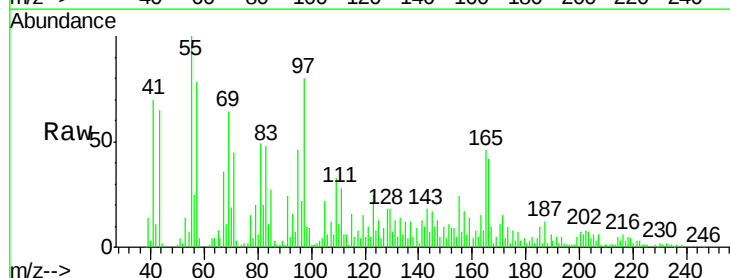
Tgt Ion:166 Resp: 44864

Ion Ratio Lower Upper

166 100

165 109.5 72.6 109.0#

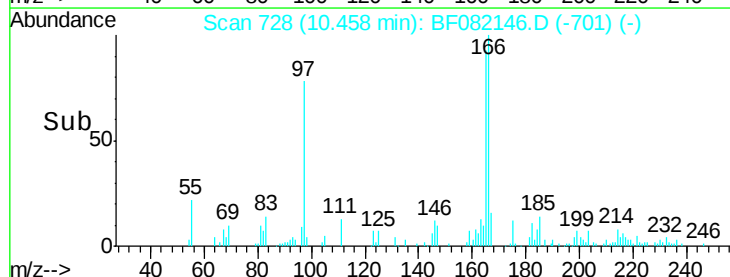
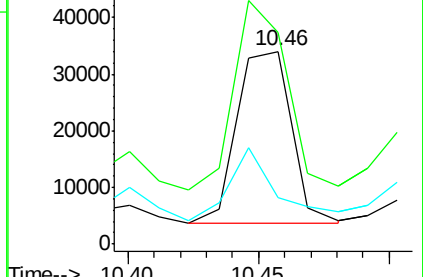
167 24.3 10.6 16.0#

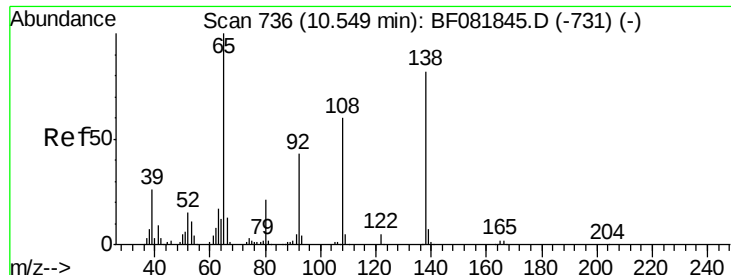


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

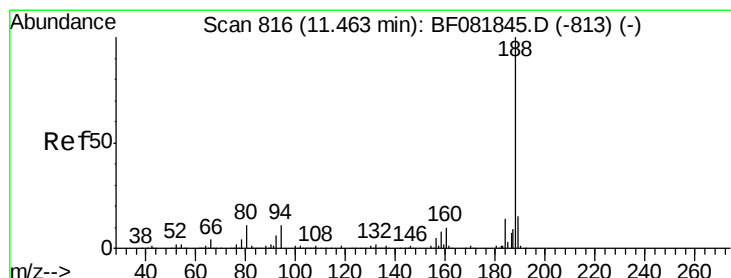
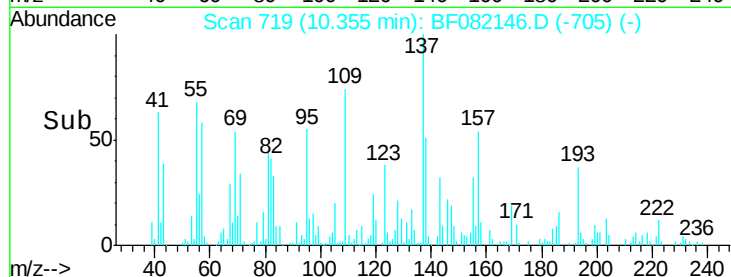
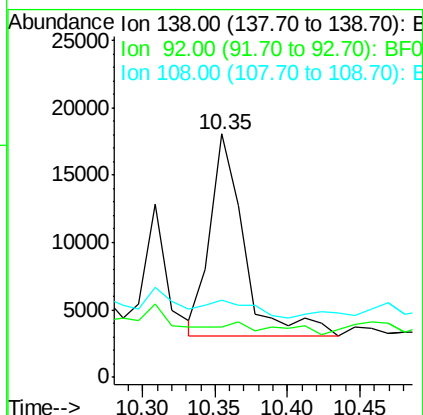
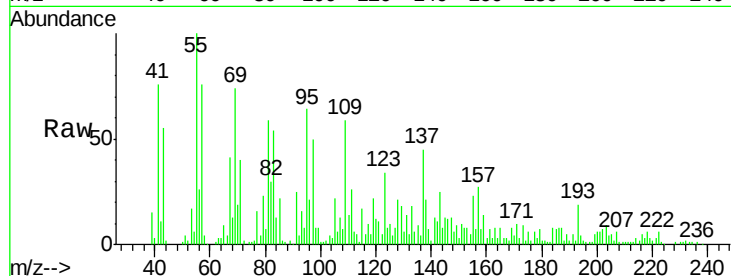




#61
4-Nitroaniline
Concen: 7.69 ng
RT: 10.35 min Scan# 719
Delta R.T. -0.14 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

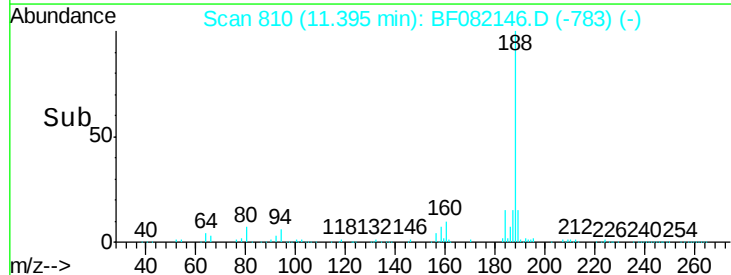
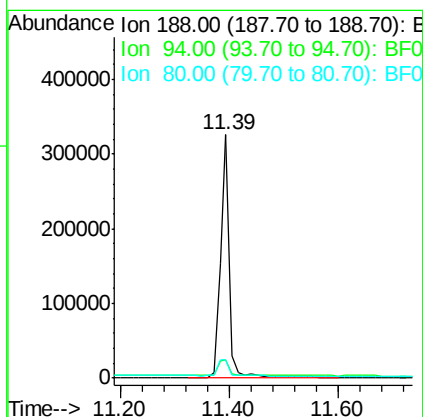
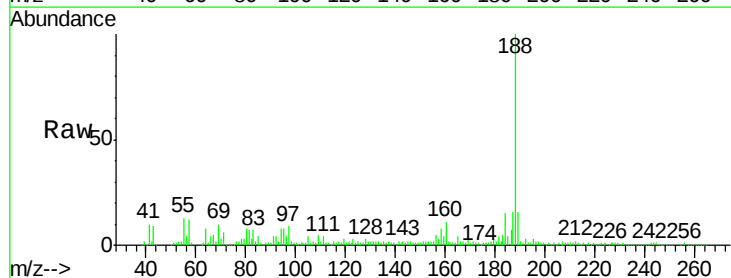
Instrument :
BNA_F
ClientSampleId :

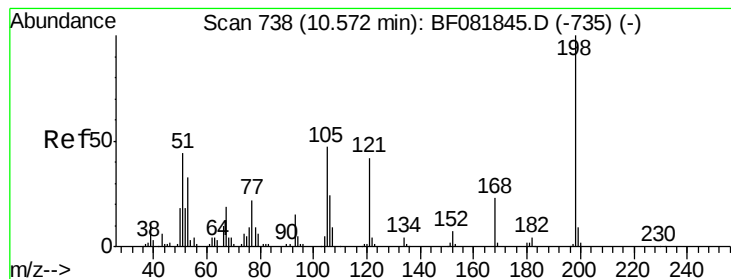
Tot Ion:138 Resp: 24246
Ion Ratio Lower Upper
138 100
92 20.8 12.6 52.6
108 31.5 12.4 52.4



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:188 Resp: 373241
Ion Ratio Lower Upper
188 100
94 7.6 11.1 16.7#
80 7.7 11.0 16.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 4.66 ng

RT: 10.55 min Scan# 736

Delta R.T. 0.03 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

Instrument :

BNA_F

ClientSampled :

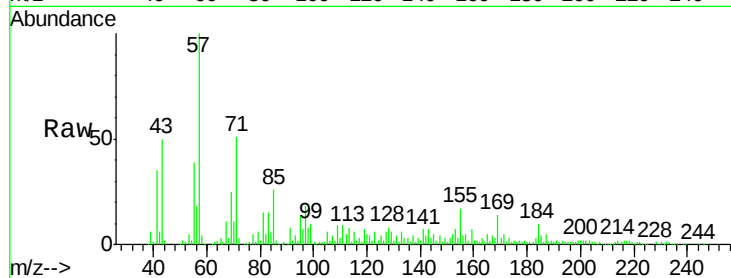
Tot Ion:198 Resp: 4917

Ion Ratio Lower Upper

198 100

51 114.7 39.6 79.6#

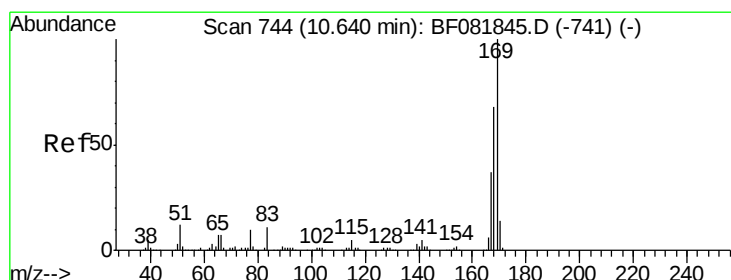
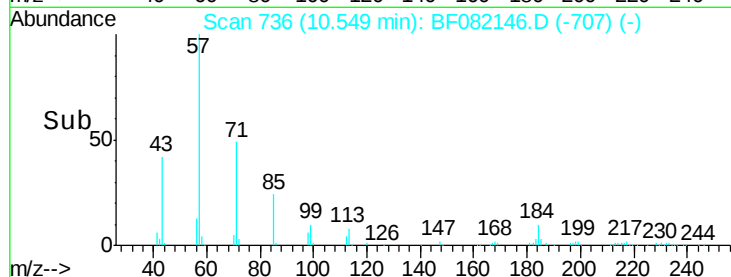
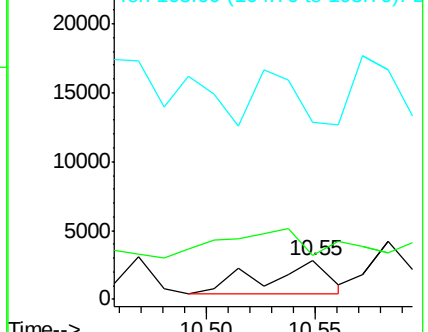
105 456.5 28.5 68.5#



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



#65

n-Nitrosodiphenylamine

Concen: 13.47 ng

RT: 10.56 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

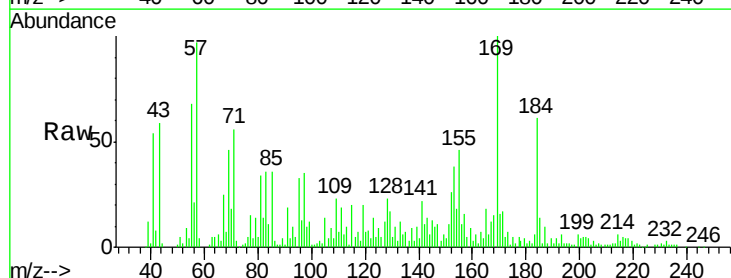
Tgt Ion:169 Resp: 152166

Ion Ratio Lower Upper

169 100

168 15.0 48.9 73.3#

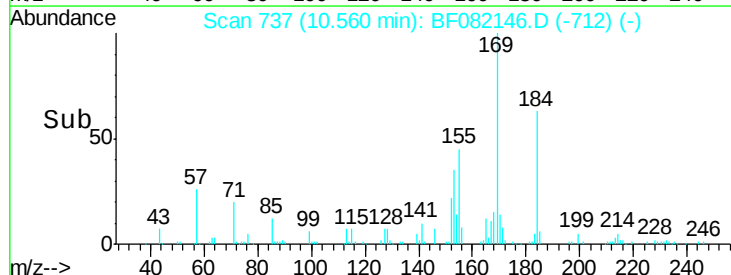
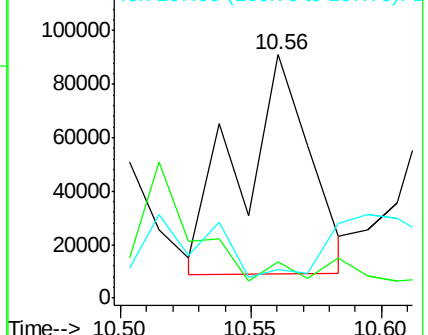
167 11.9 26.2 39.4#

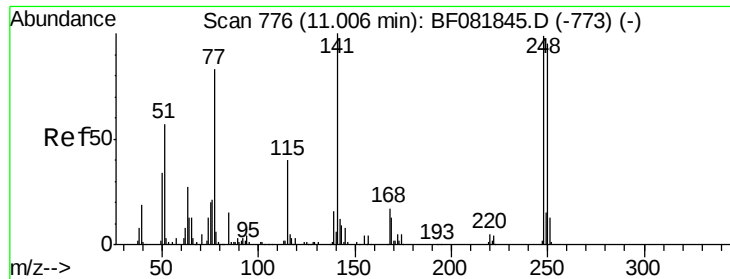


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

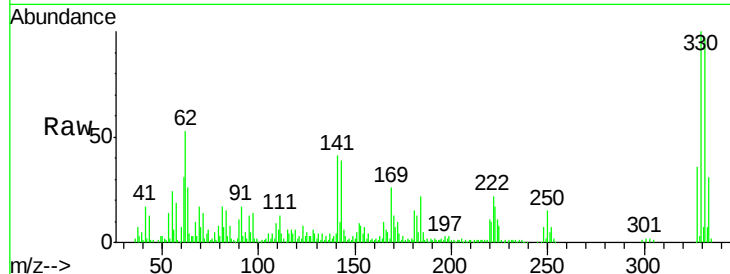




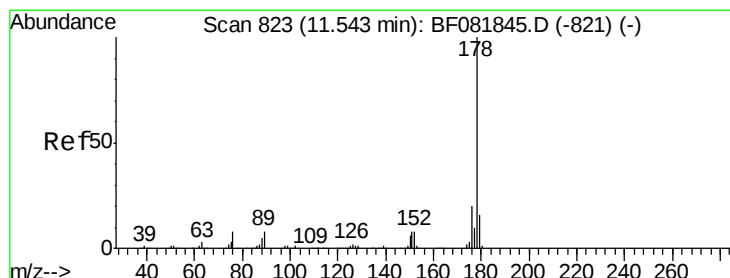
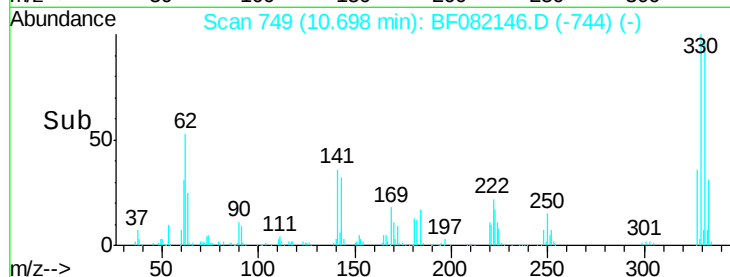
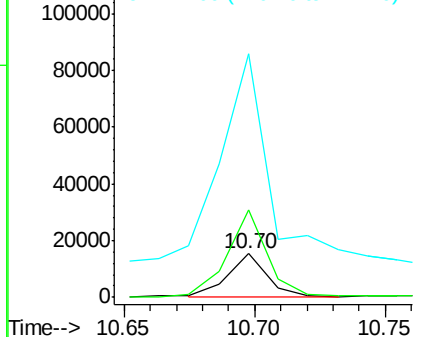
#66
4-Bromophenyl-phenylether
Concen: 4.16 ng
RT: 10.70 min Scan# 749
Delta R.T. -0.24 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15660
Ion Ratio Lower Upper
248 100
250 201.3 78.5 117.7#
141 557.5 59.0 88.6#

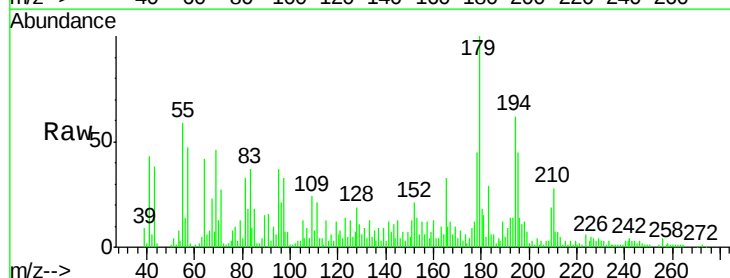


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

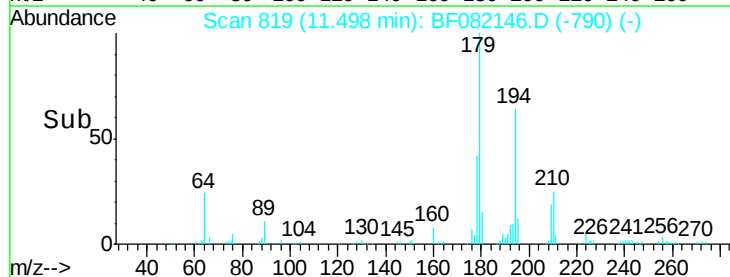
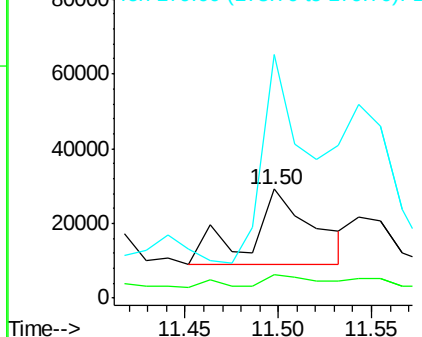


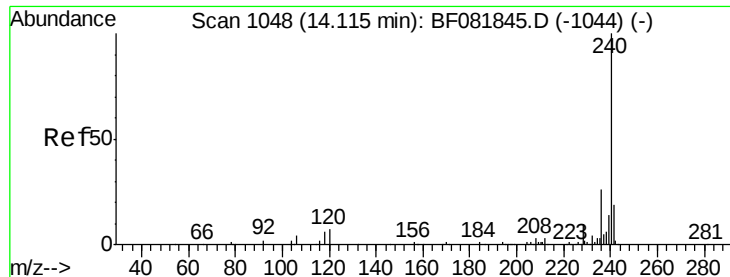
#71
Anthracene
Concen: 2.45 ng
RT: 11.50 min Scan# 819
Delta R.T. 0.03 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Tgt Ion:178 Resp: 46513
Ion Ratio Lower Upper
178 100
176 21.1 14.1 21.1
179 224.1 12.2 18.2#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

Instrument :

BNA_F

ClientSampleId :

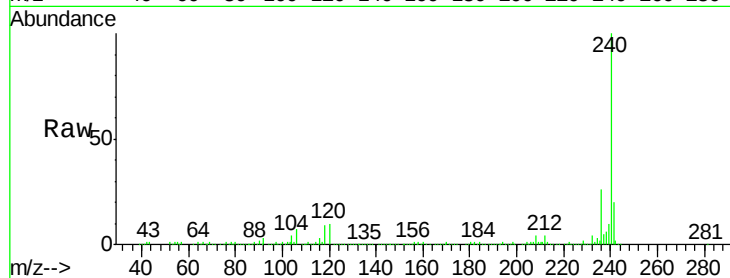
Tot Ion:240 Resp: 380137

Ion Ratio Lower Upper

240 100

120 10.3 16.2 24.2#

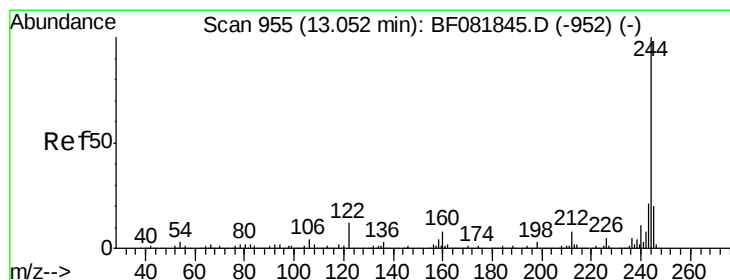
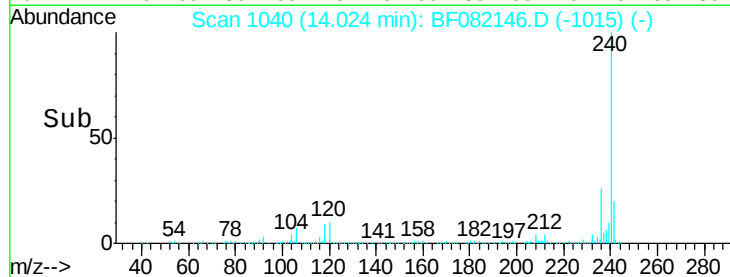
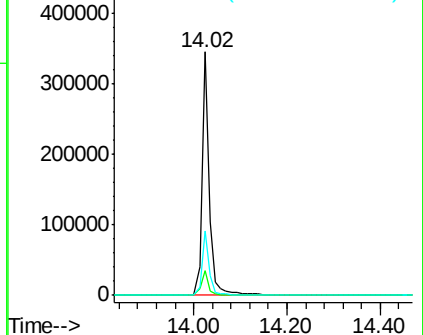
236 26.3 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 103.80 ng

RT: 12.97 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF082146.D

Acq: 9 Oct 2015 15:36

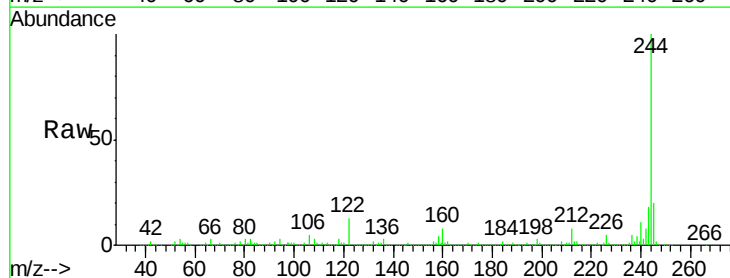
Tgt Ion:244 Resp: 1148276

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

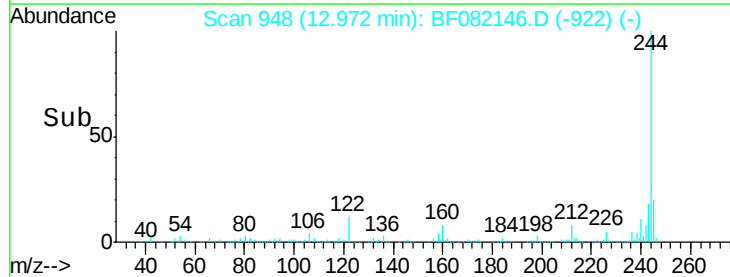
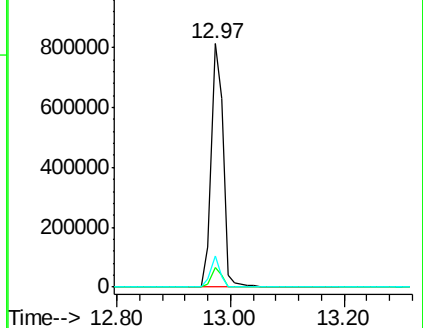
122 12.6 17.4 26.2#

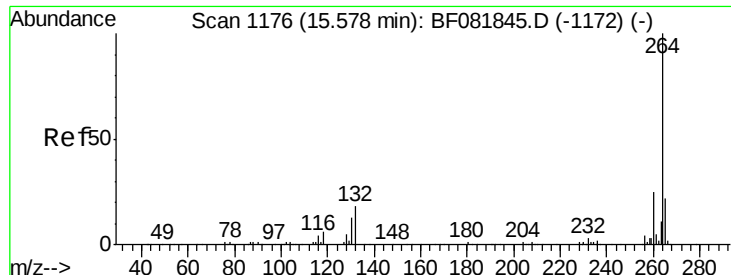


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



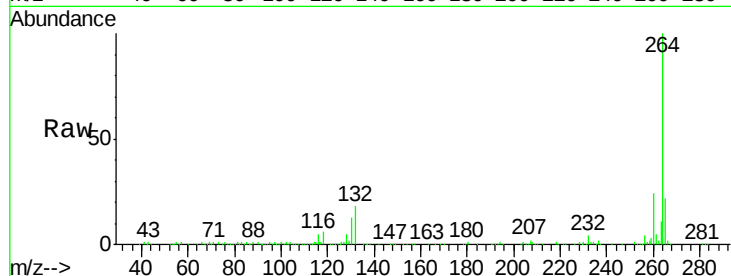


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF082146.D
Acq: 9 Oct 2015 15:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 285894

Ion	Ratio	Lower	Upper
264	100		
260	24.2	16.7	25.1
265	21.9	17.2	25.8



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

