

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093717.D
 Acq On : 16 Mar 2017 20:18
 Operator : SJ/MA
 Sample : I2255-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Quant Time: Mar 17 00:58:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

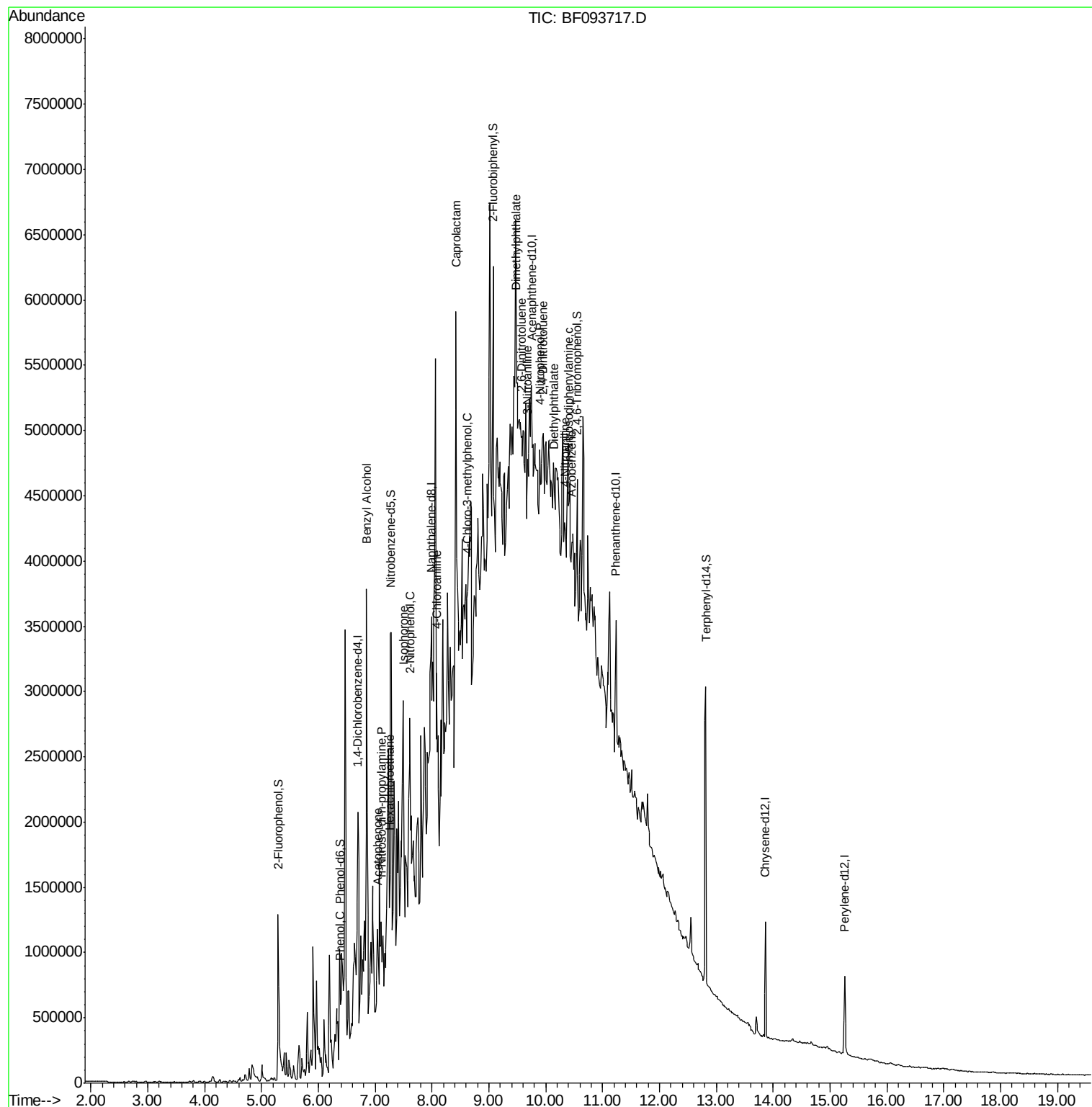
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	174125	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	630759	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	238993	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	488476	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	360456	20.00	ng	-0.02
86) Perylene-d12	15.26	264	294917	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	660876	63.17	ng	-0.02
7) Phenol-d6	6.38	99	604278	45.80	ng	0.00
23) Nitrobenzene-d5	7.27	82	899704	79.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	237523	152.54	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1380192	107.42	ng	-0.01
78) Terphenyl-d14	12.81	244	1082096	78.05	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.39	94	46751	2.89	ng	86
15) Benzyl Alcohol	6.85	79	23110	2.46	ng	# 43
18) Hexachloroethane	7.26	117	296325	63.96	ng	# 4
19) n-Nitroso-di-n-propylamine	7.11	70	47364	5.22	ng	# 77
22) Acetophenone	7.04	105	113515	7.48	ng	# 59
25) Isophorone	7.50	82	111566	4.87	ng	# 1
26) 2-Nitrophenol	7.61	139	13037	2.24	ng	# 1
33) 4-Chloroaniline	8.08	127	32408	2.53	ng	# 66
35) Caprolactam	8.42	113	139421	45.76	ng	# 1
36) 4-Chloro-3-methylphenol	8.62	107	24878	2.61	ng	# 42
49) Dimethylphthalate	9.48	163	32356	2.04	ng	# 81
50) 2,6-Dinitrotoluene	9.58	165	10095	2.90	ng	# 79
52) 3-Nitroaniline	9.68	138	134142	32.12	ng	# 7
55) 4-Nitrophenol	9.90	139	30365	14.97	ng	# 1
56) 2,4-Dinitrotoluene	9.94	165	18413	4.31	ng	# 60
59) Diethylphthalate	10.15	149	86091	5.69	ng	# 57
61) 4-Nitroaniline	10.34	138	17202	4.03	ng	# 1
62) Azobenzene	10.46	77	67335	3.91	ng	# 60
65) n-Nitrosodiphenylamine	10.40	169	40889	2.51	ng	# 65

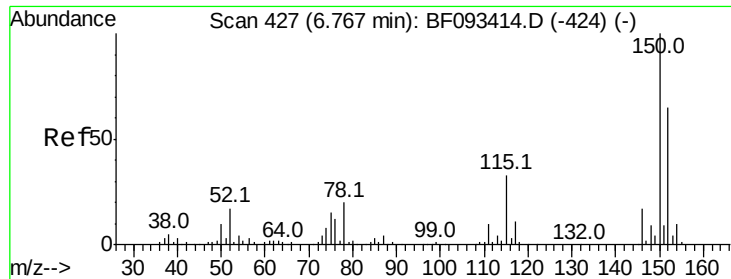
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampled :

W-02

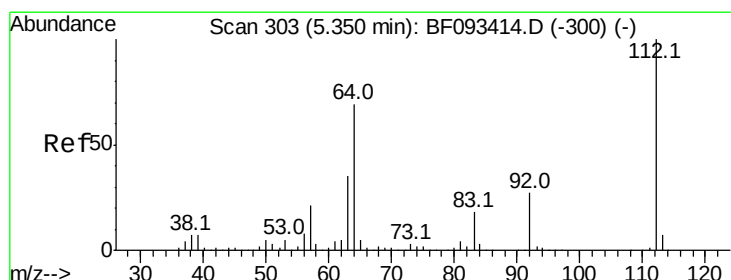
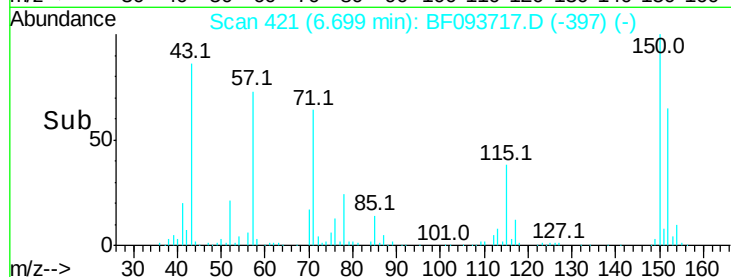
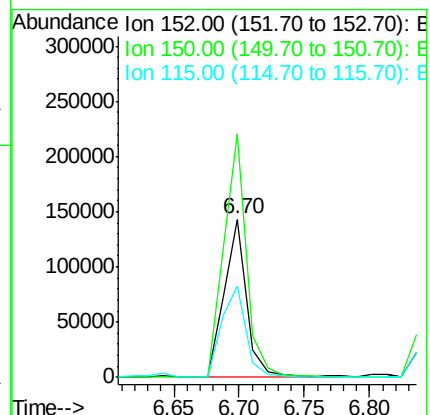
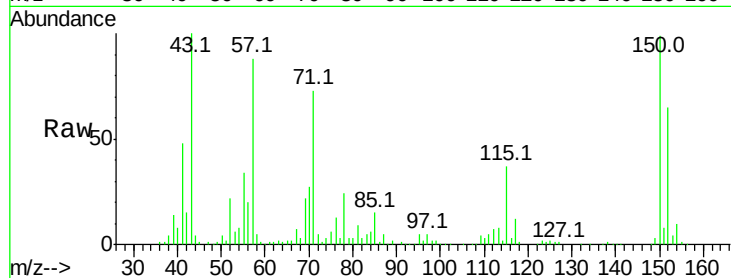
Tot Ion:152 Resp: 174125

Ion Ratio Lower Upper

152 100

150 153.9 124.9 187.3

115 57.9 46.0 69.0



#5

2-Fluorophenol

Concen: 63.17 ng

RT: 5.29 min Scan# 298

Delta R.T. -0.02 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

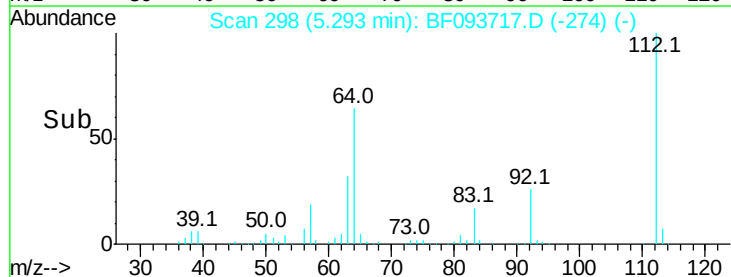
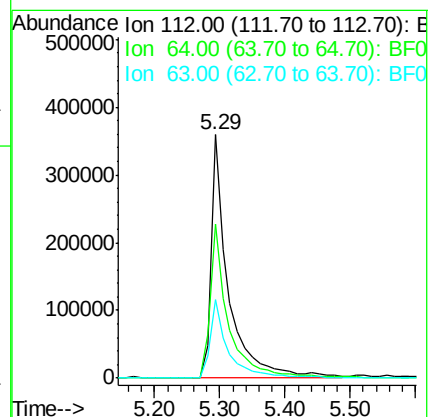
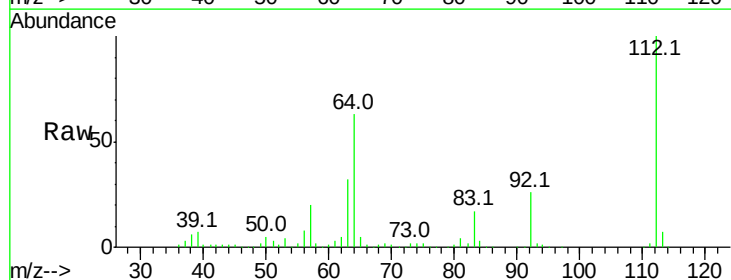
Tgt Ion:112 Resp: 660876

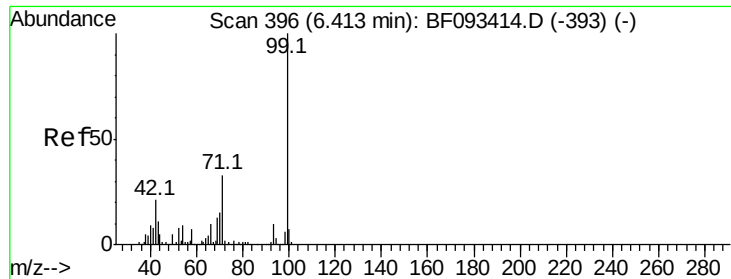
Ion Ratio Lower Upper

112 100

64 63.4 46.1 69.1

63 32.1 23.8 35.6





#7

Phenol-d6

Concen: 45.80 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

W-02

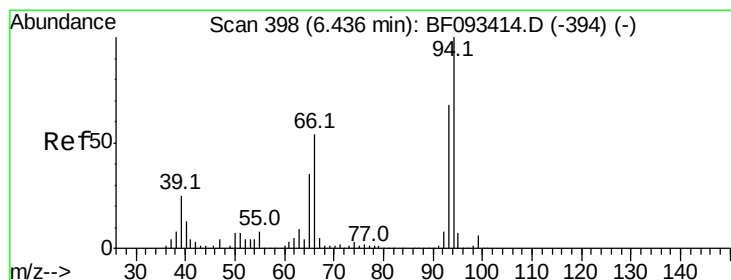
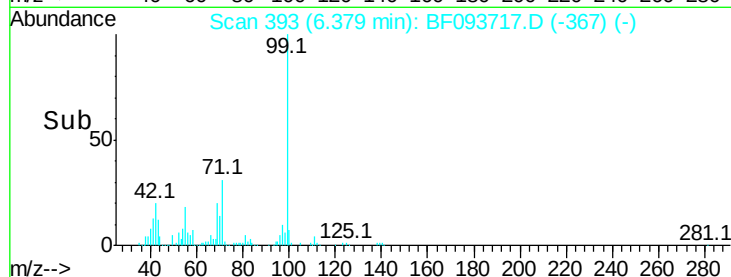
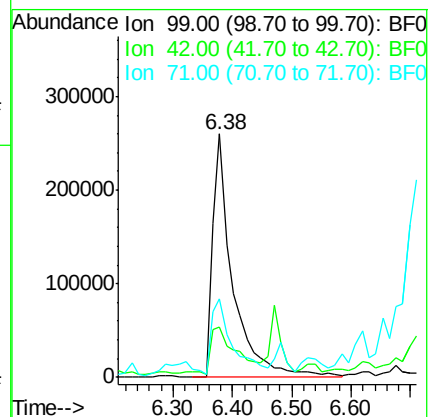
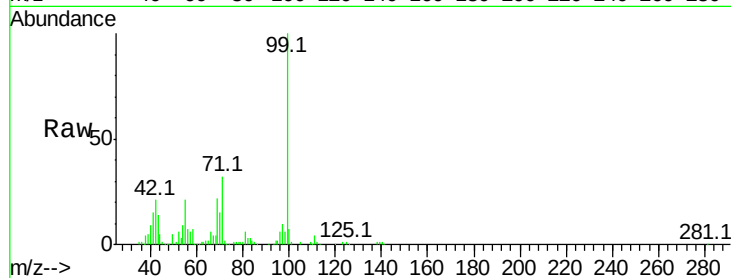
Tot Ion: 99 Resp: 604278

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

71 32.1 27.5 41.3



#10

Phenol

Concen: 2.89 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

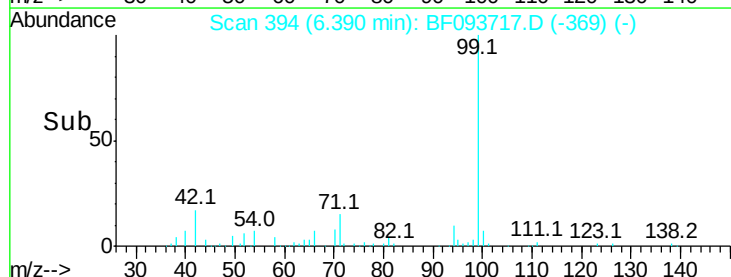
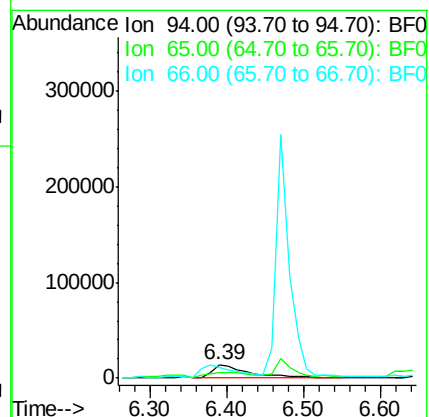
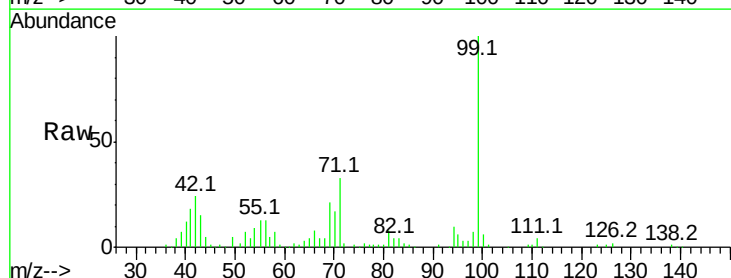
Tgt Ion: 94 Resp: 46751

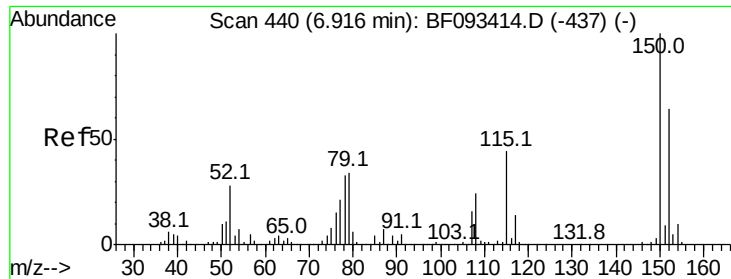
Ion Ratio Lower Upper

94 100

65 37.4 21.4 61.4

66 78.5 44.0 84.0

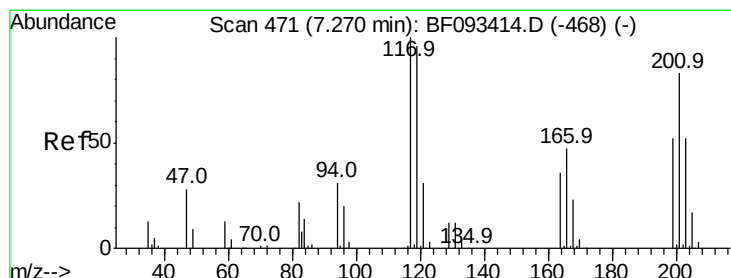
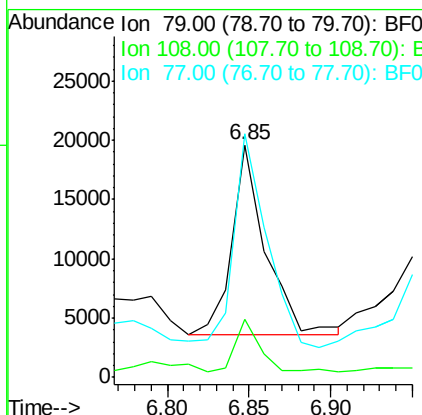
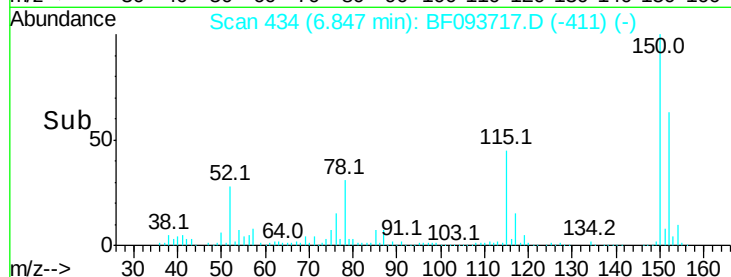
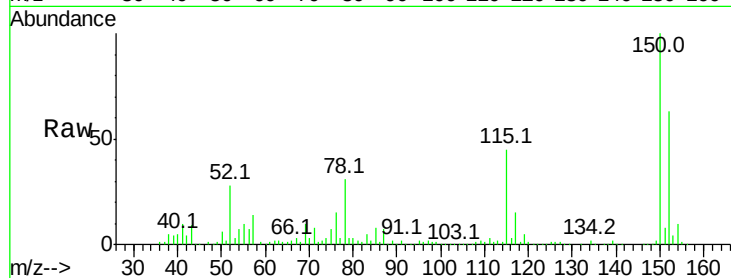




#15
Benzyl Alcohol
Concen: 2.46 ng
RT: 6.85 min Scan# 434
Delta R.T. -0.03 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

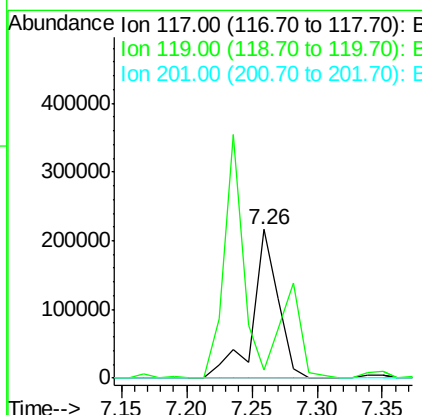
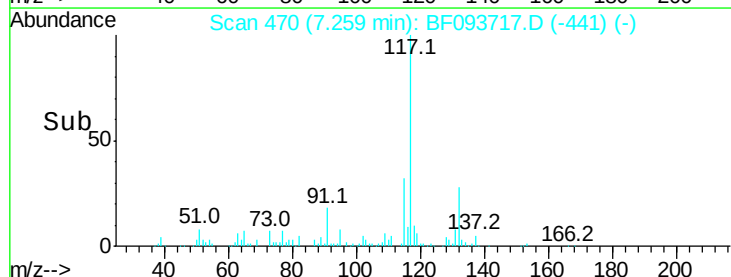
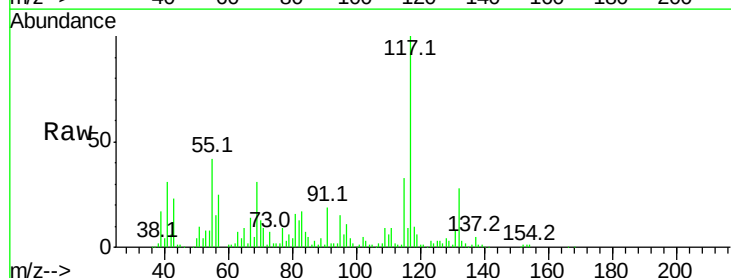
Instrument :
BNA_F
ClientSampled :
W-02

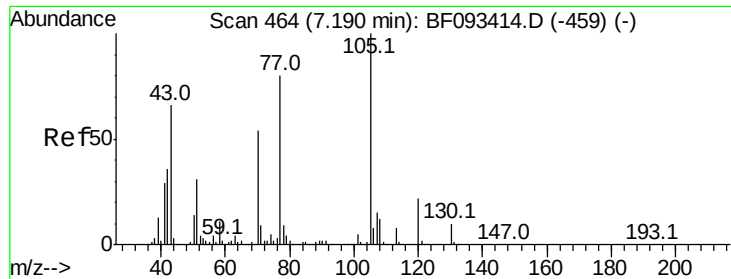
Tot Ion: 79 Resp: 23110
Ion Ratio Lower Upper
79 100
108 25.2 61.4 92.0#
77 104.7 50.9 76.3#



#18
Hexachloroethane
Concen: 63.96 ng
RT: 7.26 min Scan# 470
Delta R.T. 0.03 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

Tgt Ion: 117 Resp: 296325
Ion Ratio Lower Upper
117 100
119 5.7 78.1 117.1#
201 0.0 78.6 117.8#

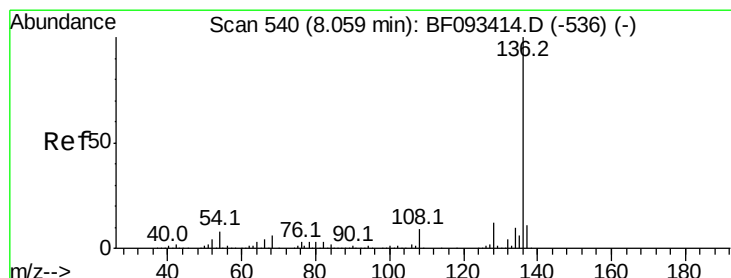
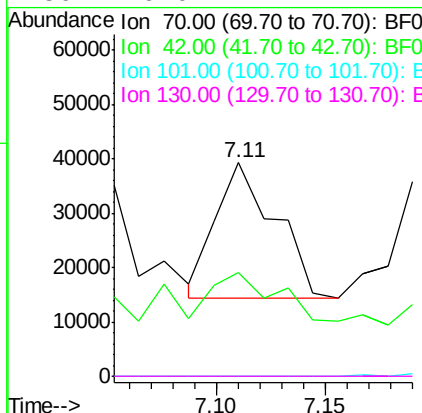
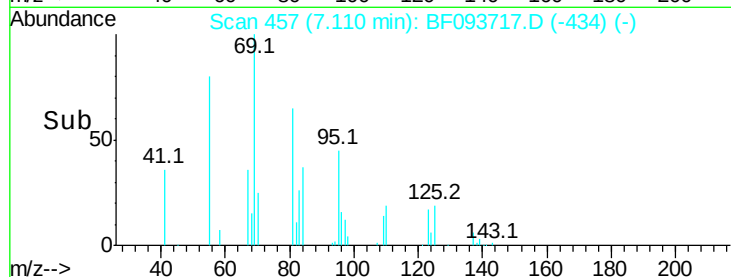
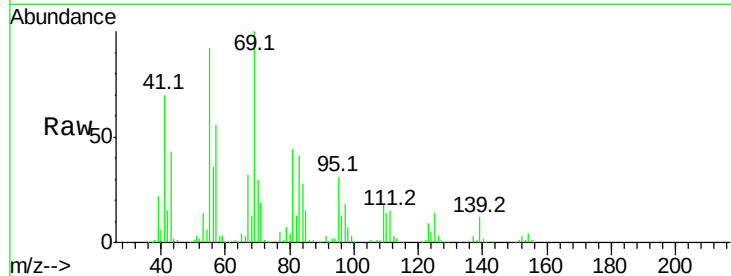




#19
n-Nitroso-di-n-propylamine
Concen: 5.22 ng
RT: 7.11 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

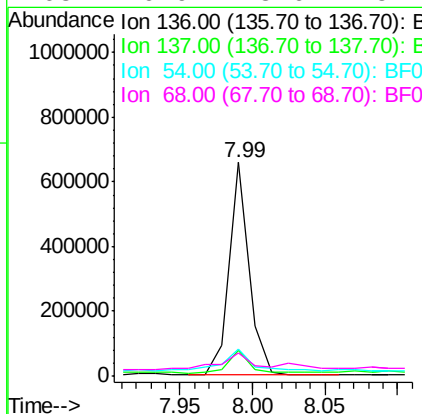
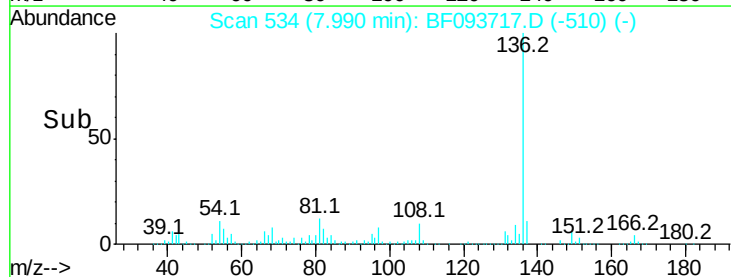
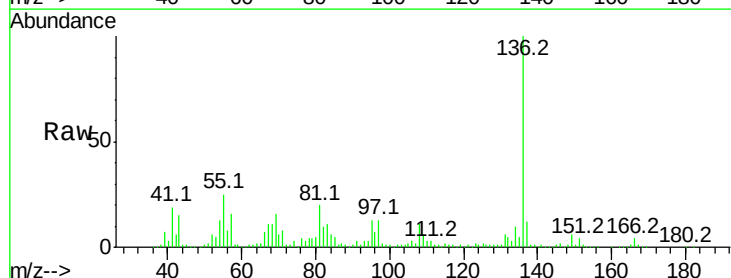
Instrument :
BNA_F
ClientSampled :
W-02

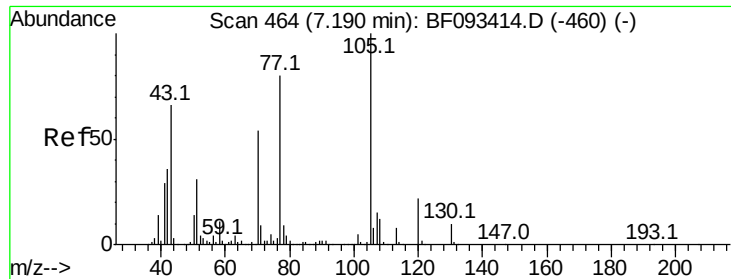
Tot Ion: 70 Resp: 47364
Ion Ratio Lower Upper
70 100
42 48.7 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

Tgt Ion: 136 Resp: 630759
Ion Ratio Lower Upper
136 100
137 12.1 8.4 12.6
54 12.8 4.5 6.7#
68 10.9 3.6 5.4#





#22

Acetophenone

Concen: 7.48 ng

RT: 7.04 min Scan# 451

Delta R.T. -0.10 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

W-02

Tot Ion:105 Resp: 113515

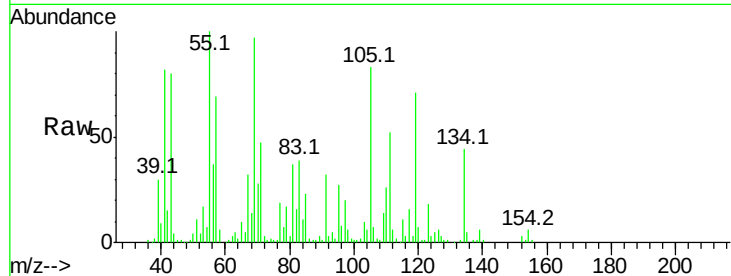
Ion Ratio Lower Upper

105 100

71 56.5 3.2 4.8#

51 13.1 26.2 39.4#

120 8.4 16.6 24.8#



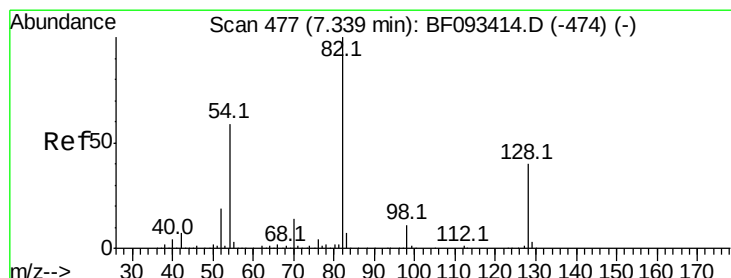
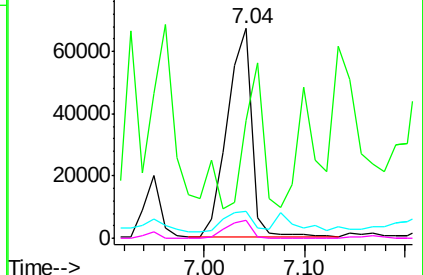
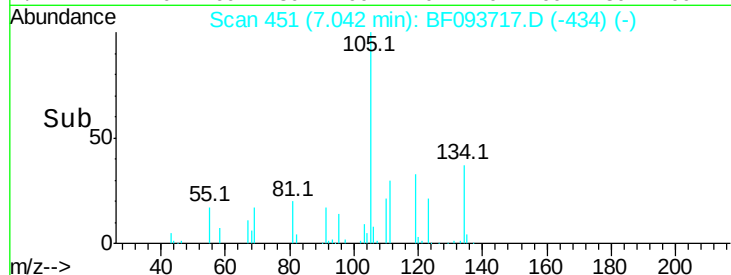
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 79.14 ng

RT: 7.27 min Scan# 471

Delta R.T. -0.03 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

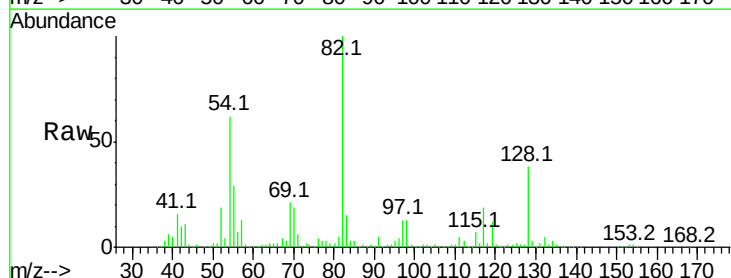
Tgt Ion: 82 Resp: 899704

Ion Ratio Lower Upper

82 100

128 38.0 34.6 52.0

54 61.5 39.5 59.3#

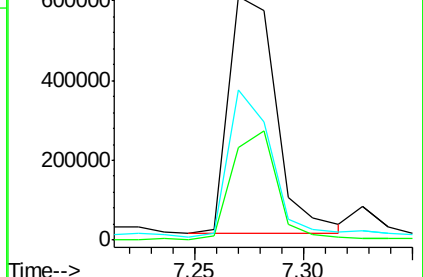
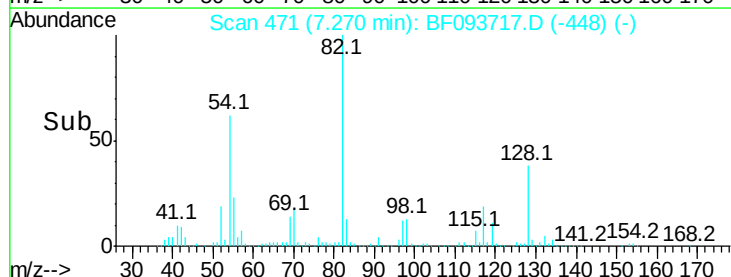


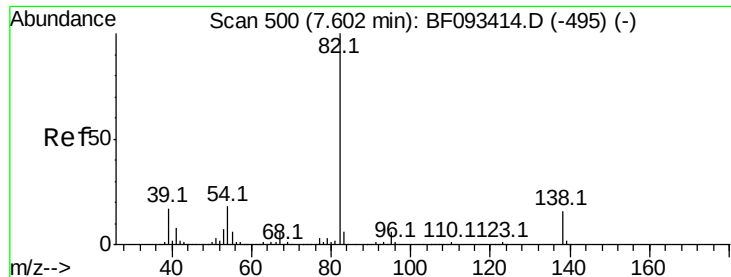
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#25

Isophorone

Concen: 4.87 ng

RT: 7.50 min Scan# 491

Delta R.T. -0.06 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

W-02

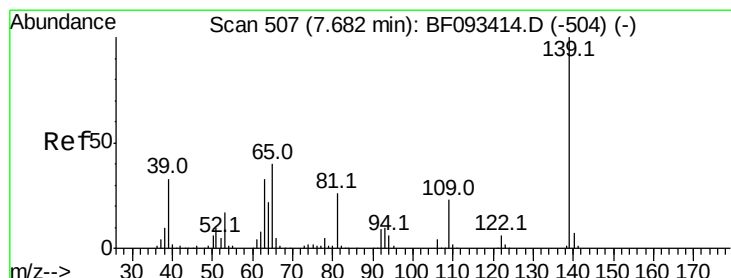
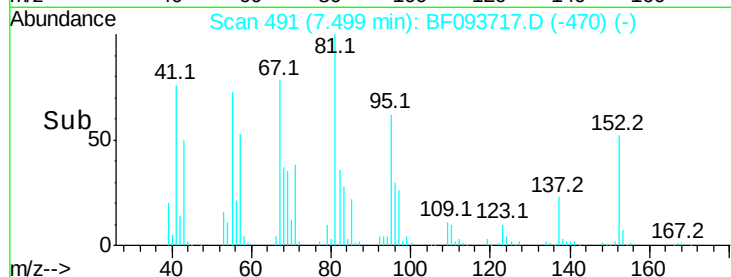
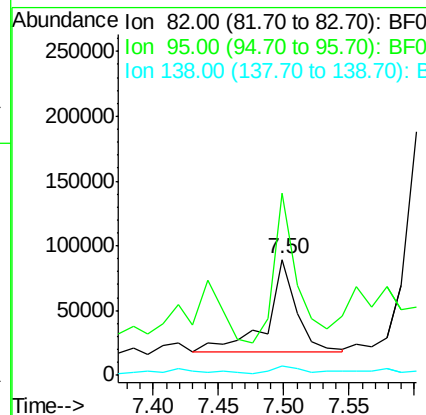
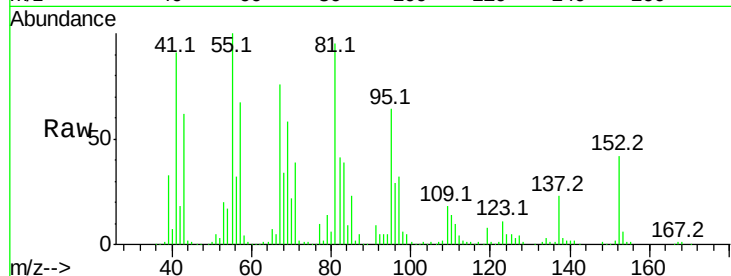
Tot Ion: 82 Resp: 111566

Ion Ratio Lower Upper

82 100

95 157.0 5.6 8.4#

138 8.5 14.6 22.0#



#26

2-Nitrophenol

Concen: 2.24 ng

RT: 7.61 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

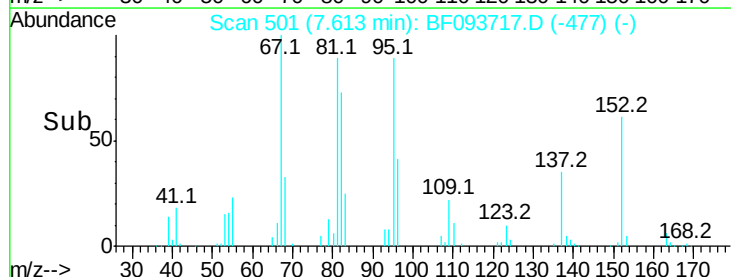
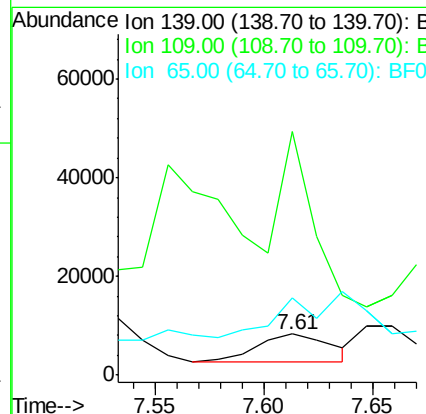
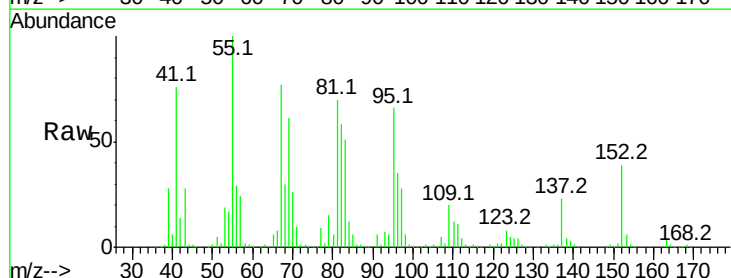
Tgt Ion: 139 Resp: 13037

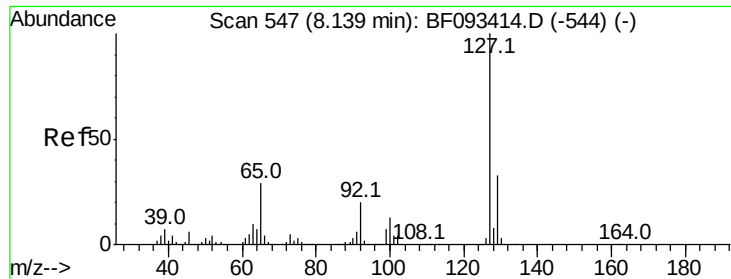
Ion Ratio Lower Upper

139 100

109 595.8 23.3 34.9#

65 189.8 42.7 64.1#

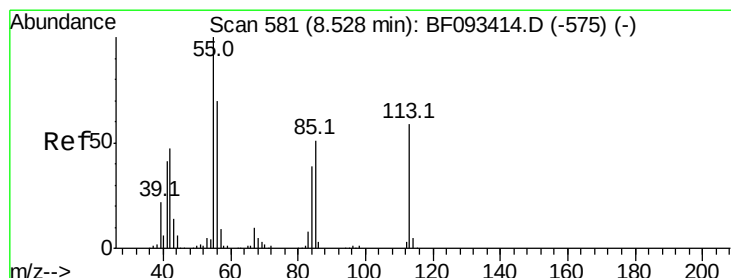
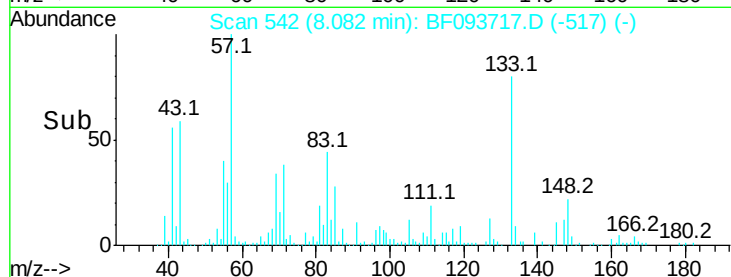
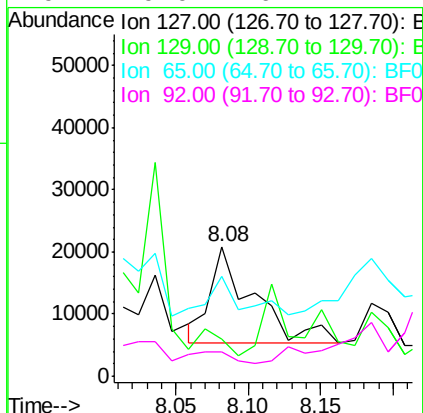
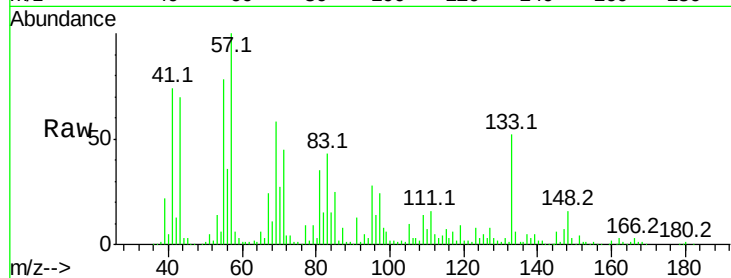




#33
4-Chloroaniline
Concen: 2.53 ng
RT: 8.08 min Scan# 542
Delta R.T. -0.01 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

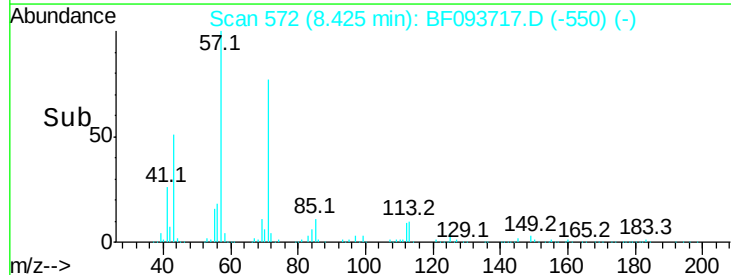
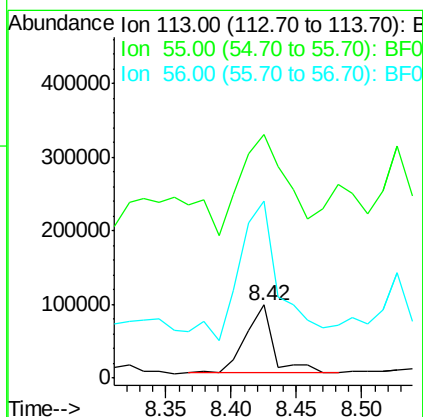
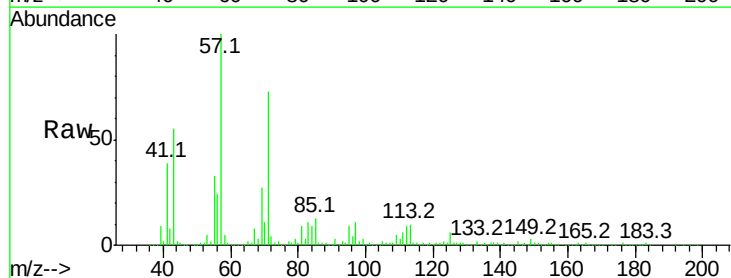
Instrument :
BNA_F
ClientSampleId :
W-02

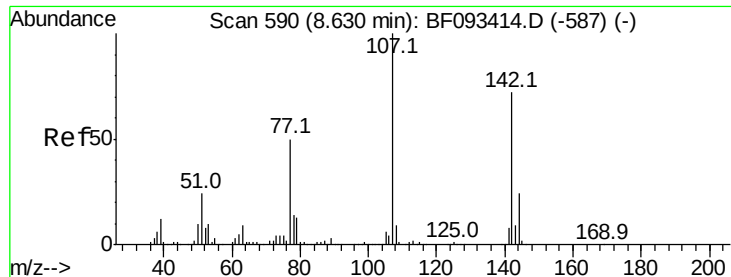
Tot Ion:127	Resp:	32408
Ion Ratio	Lower	Upper
127	100	
129	28.6	26.3 39.5
65	77.6	25.8 38.8#
92	19.0	16.1 24.1



#35
Caprolactam
Concen: 45.76 ng
RT: 8.42 min Scan# 572
Delta R.T. -0.05 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

Tgt Ion:113	Resp:	139421
Ion Ratio	Lower	Upper
113	100	
55	334.3	119.2 159.2#
56	242.4	83.8 123.8#

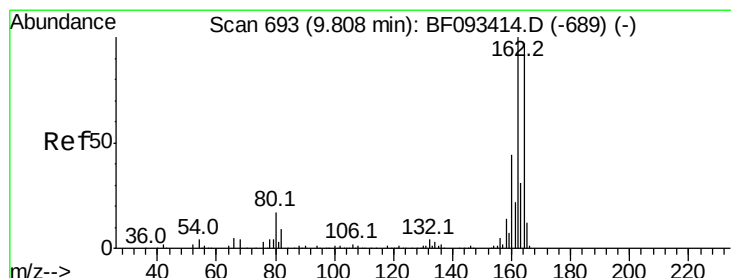
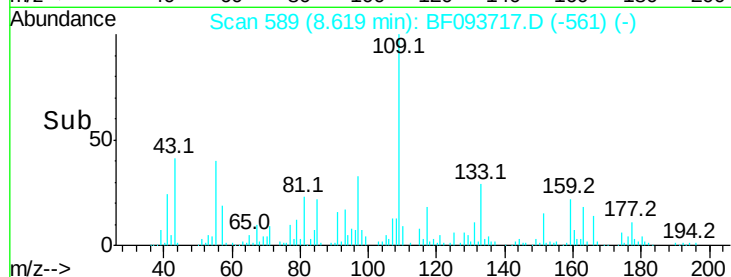
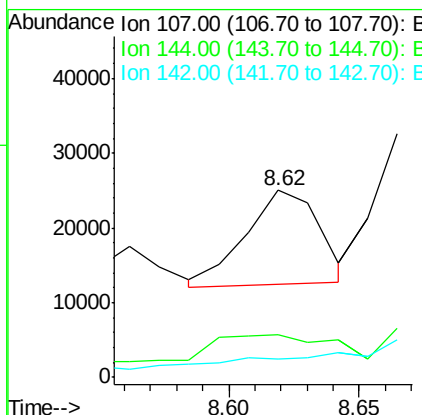
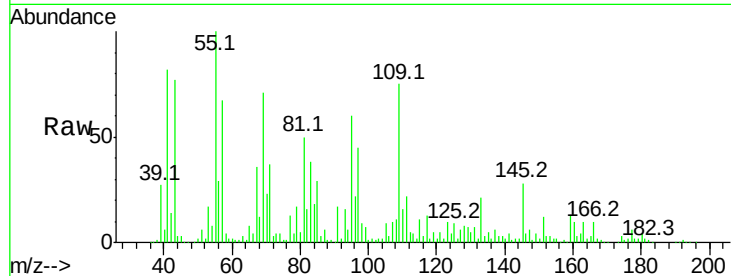




#36
 4-Chloro-3-methylphenol
 Concen: 2.61 ng
 RT: 8.62 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: BF093717.D
 Acq: 16 Mar 2017 20:18

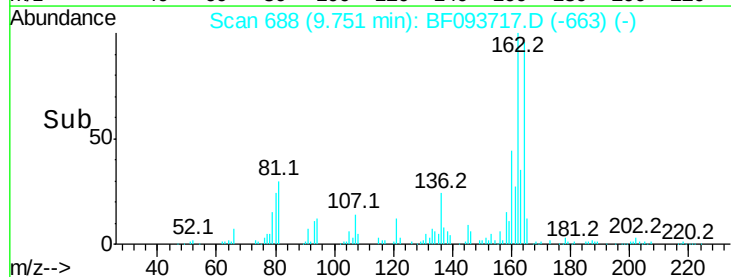
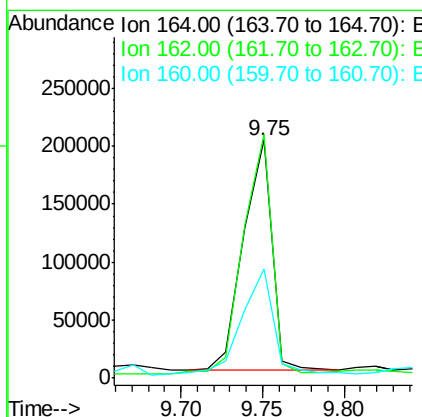
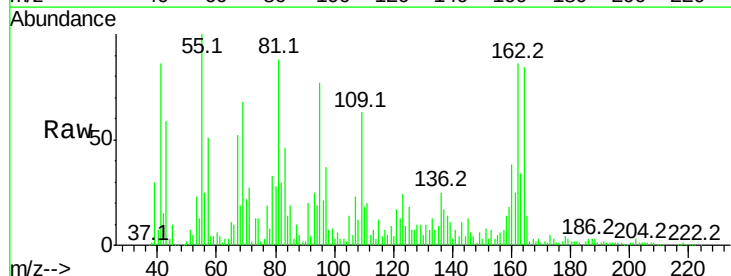
Instrument :
 BNA_F
 ClientSampleId :
 W-02

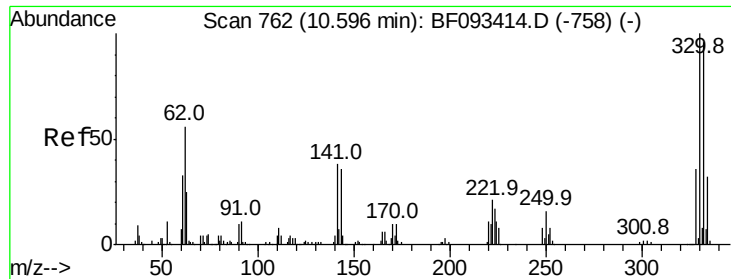
Tot Ion:107 Resp: 24878
 Ion Ratio Lower Upper
 107 100
 144 22.7 19.3 28.9
 142 9.8 59.0 88.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF093717.D
 Acq: 16 Mar 2017 20:18

Tgt Ion:164 Resp: 238993
 Ion Ratio Lower Upper
 164 100
 162 102.2 80.2 120.2
 160 45.8 36.9 55.3

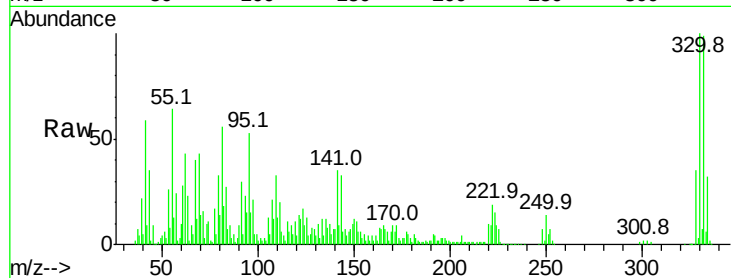




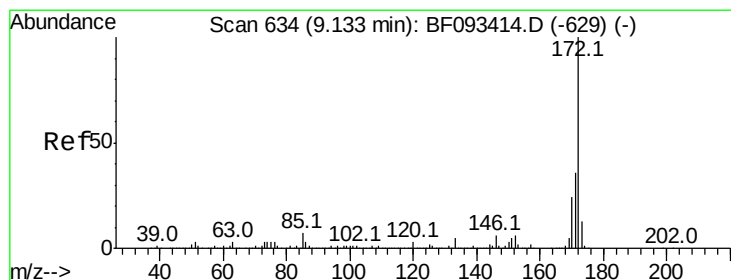
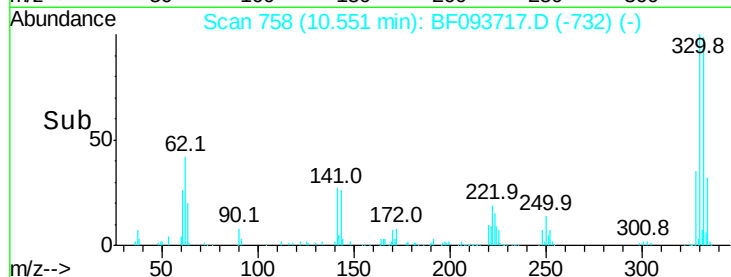
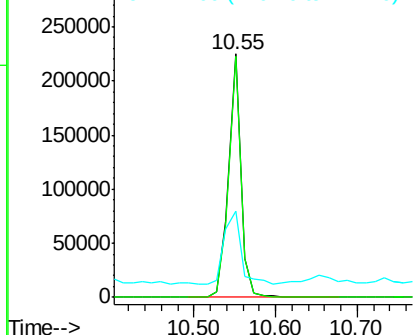
#41
 2,4,6-Tribromophenol
 Concen: 152.54 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF093717.D
 Acq: 16 Mar 2017 20:18

Instrument :
 BNA_F
 ClientSampleId :
 W-02

Tot Ion:330 Resp: 237523
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.2
 141 39.7 34.1 51.1

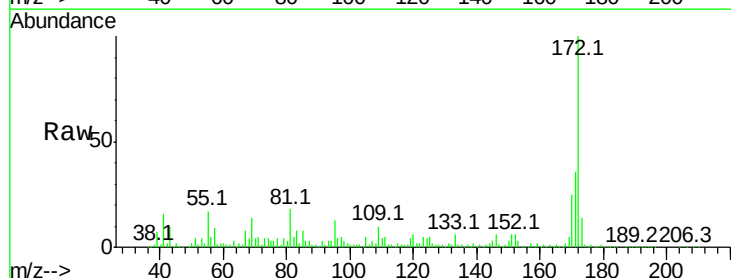


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

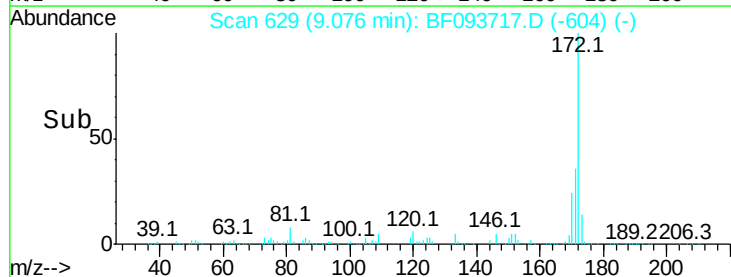
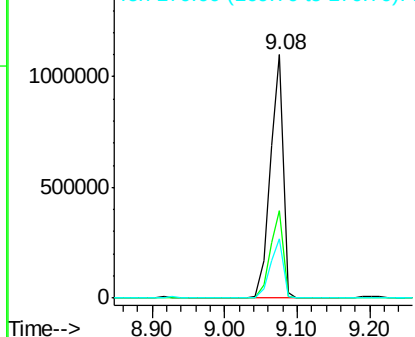


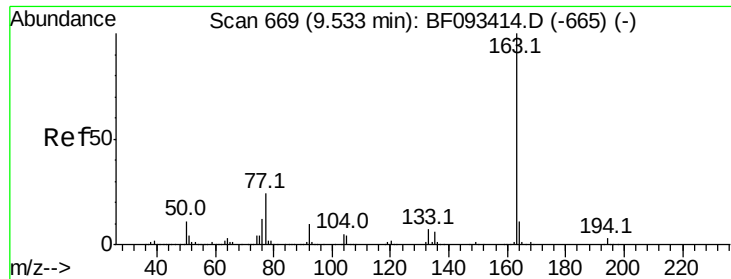
#44
 2-Fluorobiphenyl
 Concen: 107.42 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093717.D
 Acq: 16 Mar 2017 20:18

Tgt Ion:172 Resp: 1380192
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.5 20.2 30.4



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: 2.04 ng

RT: 9.48 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

W-02

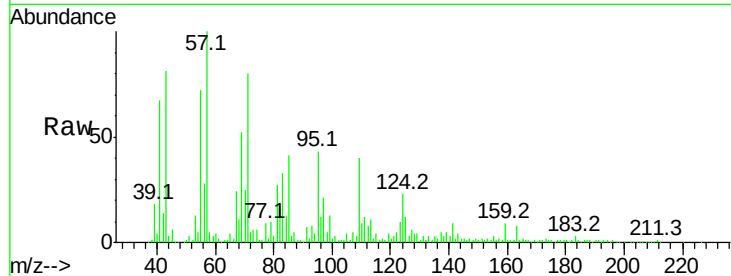
Tot Ion:163 Resp: 32356

Ion Ratio Lower Upper

163 100

194 7.9 3.0 4.4#

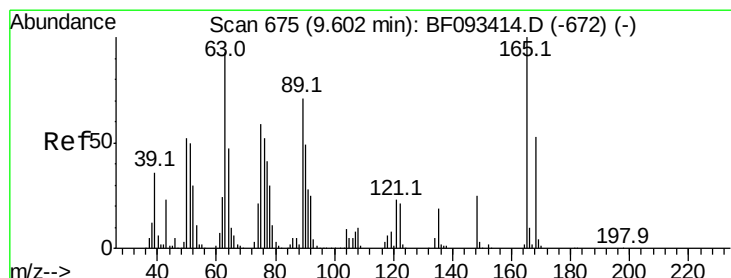
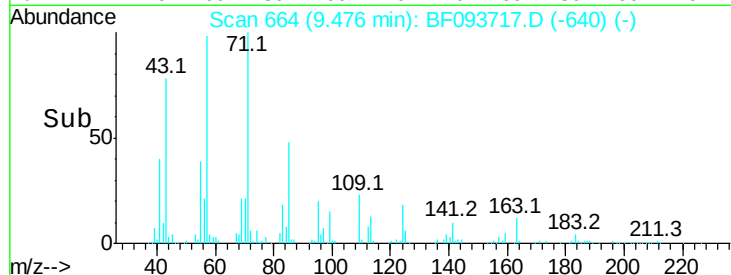
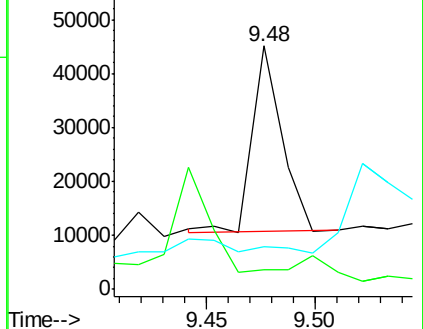
164 17.8 8.0 12.0#



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



#50

2,6-Dinitrotoluene

Concen: 2.90 ng

RT: 9.58 min Scan# 673

Delta R.T. 0.01 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

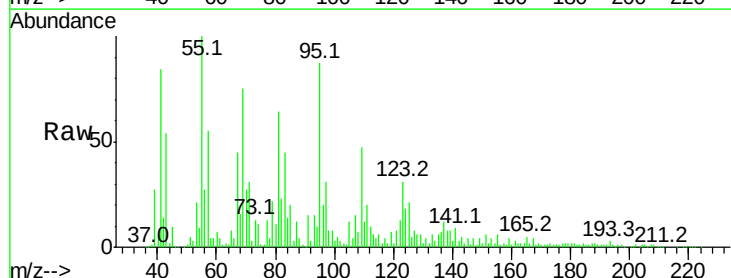
Tgt Ion:165 Resp: 10095

Ion Ratio Lower Upper

165 100

63 41.6 36.2 54.4

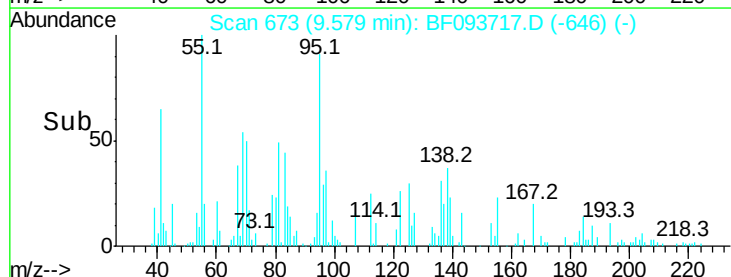
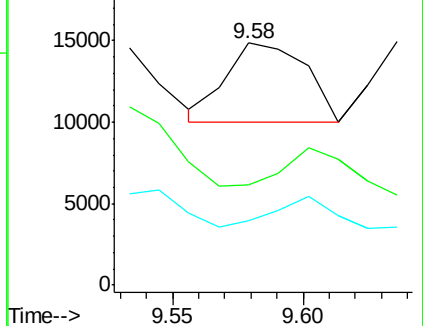
89 26.4 40.2 60.4#

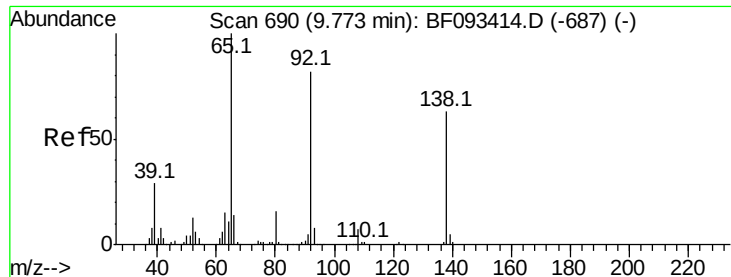


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 32.12 ng

RT: 9.68 min Scan# 682

Delta R.T. -0.06 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampled :

W-02

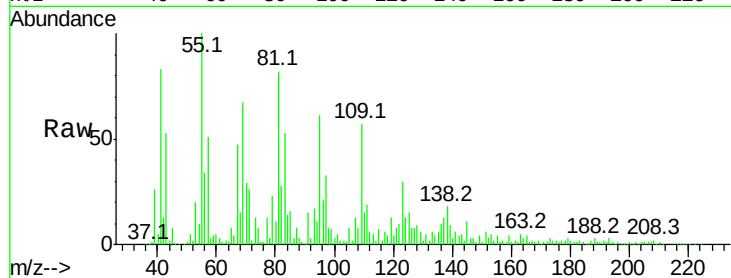
Tot Ion:138 Resp: 134142

Ion Ratio Lower Upper

138 100

108 43.8 8.5 12.7#

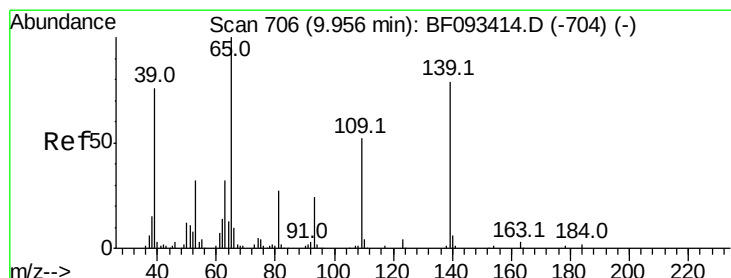
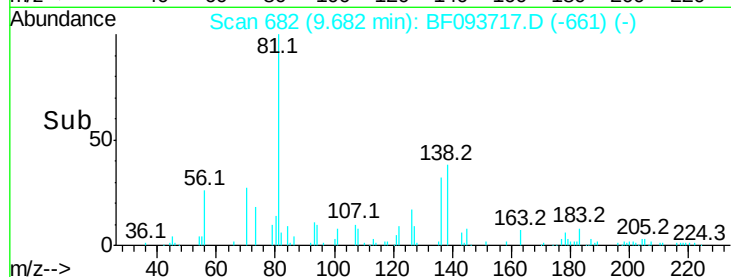
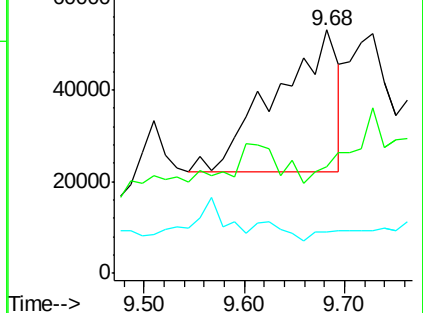
92 16.8 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#55

4-Nitrophenol

Concen: 14.97 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

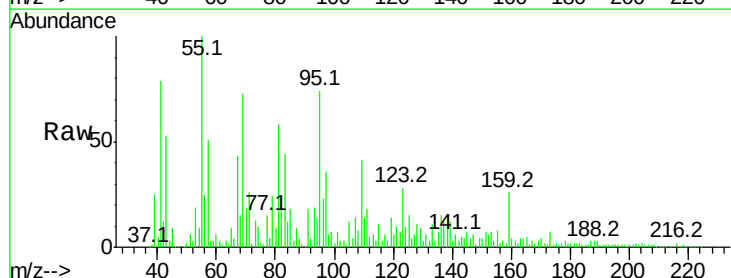
Tgt Ion:139 Resp: 30365

Ion Ratio Lower Upper

139 100

109 329.4 52.2 92.2#

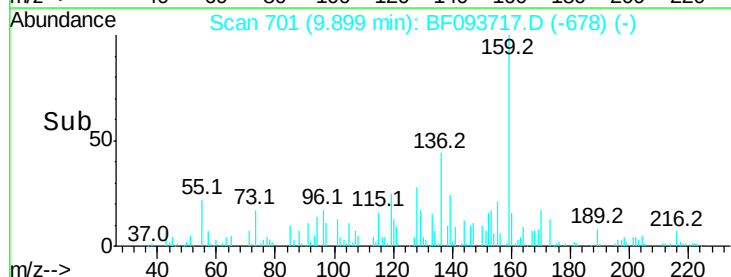
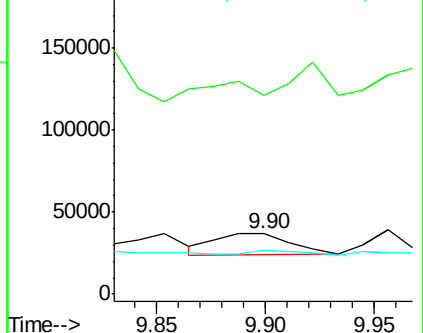
65 72.9 85.8 125.8#

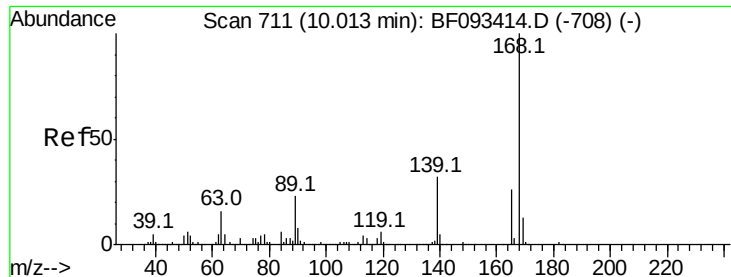


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

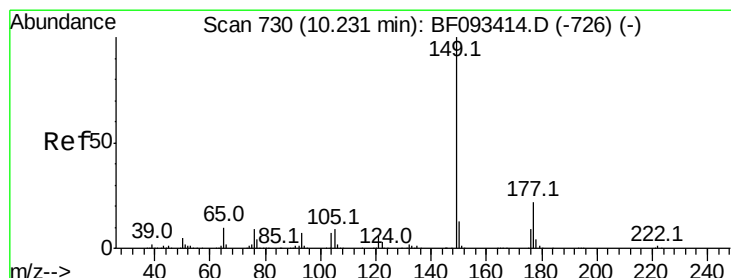
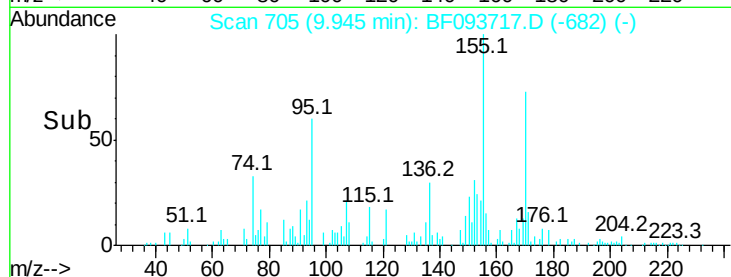
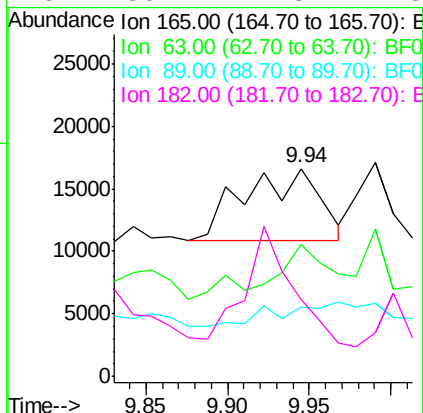
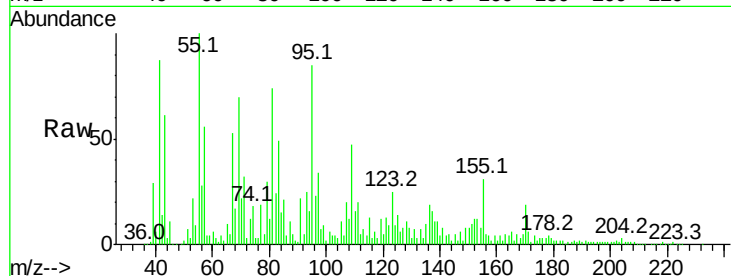




#56
2,4-Dinitrotoluene
Concen: 4.31 ng
RT: 9.94 min Scan# 705
Delta R.T. -0.03 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

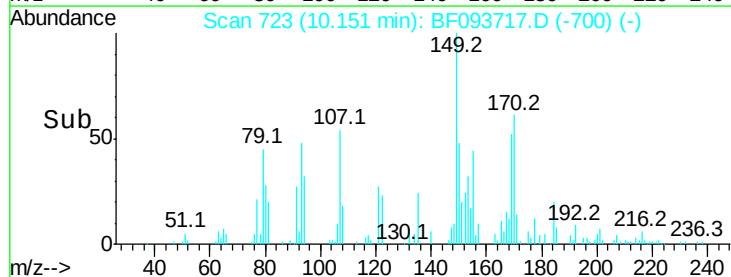
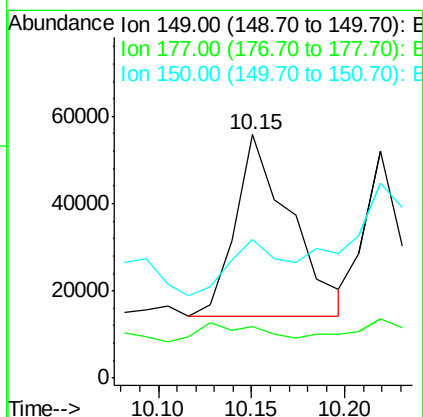
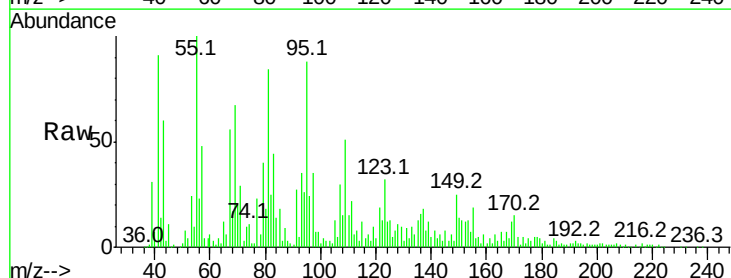
Instrument :
BNA_F
ClientSampleId :
W-02

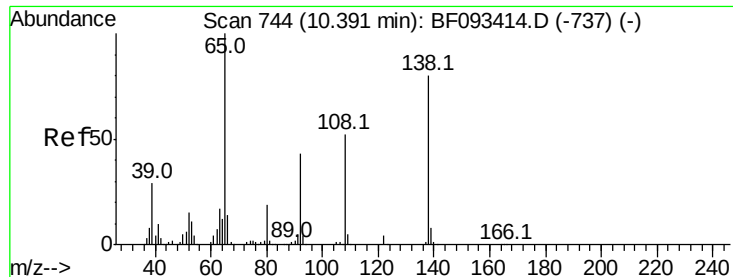
Tot Ion:165 Resp: 18413
Ion Ratio Lower Upper
165 100
63 63.5 40.2 60.4#
89 33.4 62.5 93.7#
182 36.7 1.8 2.8#



#59
Diethylphthalate
Concen: 5.69 ng
RT: 10.15 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

Tgt Ion:149 Resp: 86091
Ion Ratio Lower Upper
149 100
177 21.0 16.6 25.0
150 57.1 10.4 15.6#

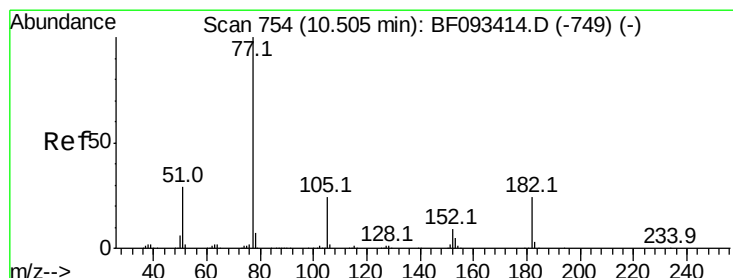
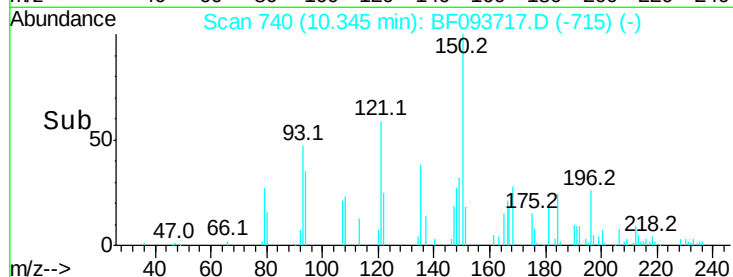
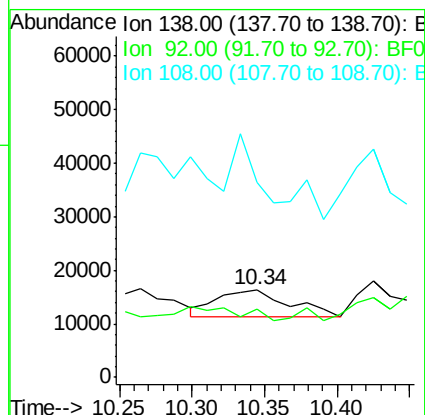
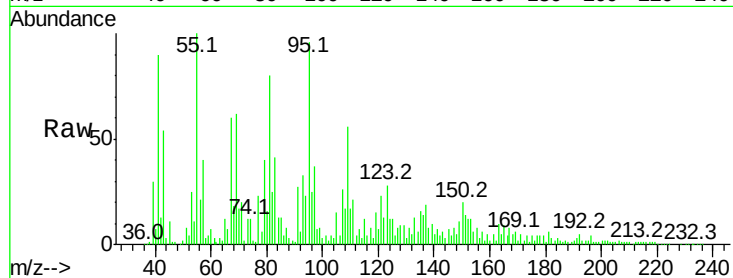




#61
4-Nitroaniline
Concen: 4.03 ng
RT: 10.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

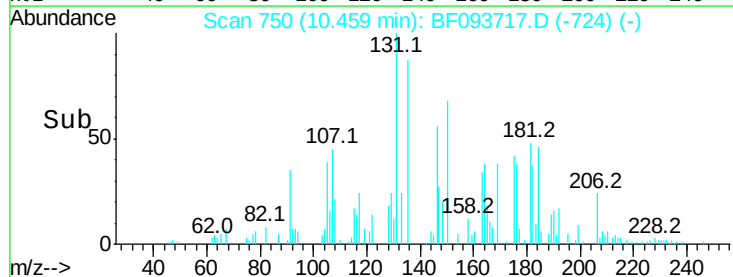
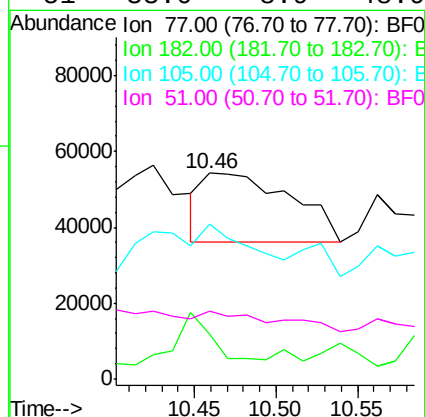
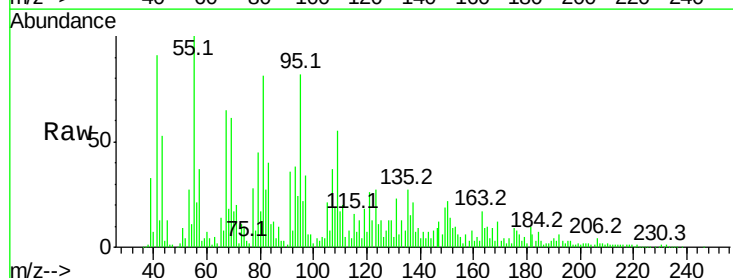
Instrument :
BNA_F
ClientSampleId :
W-02

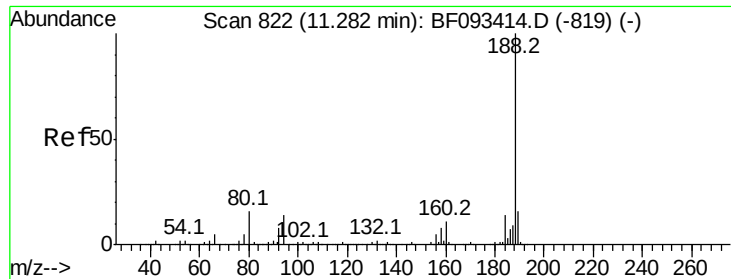
Tot Ion:138 Resp: 17202
Ion Ratio Lower Upper
138 100
92 78.5 31.7 71.7#
108 222.8 52.6 92.6#



#62
Azobenzene
Concen: 3.91 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

Tgt Ion: 77 Resp: 67335
Ion Ratio Lower Upper
77 100
182 22.1 0.0 39.3
105 75.1 2.3 42.3#
51 33.0 8.9 48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

W-02

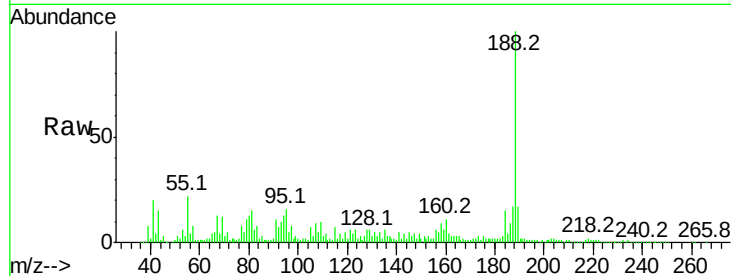
Tot Ion:188 Resp: 488476

Ion Ratio Lower Upper

188 100

94 13.3 10.0 15.0

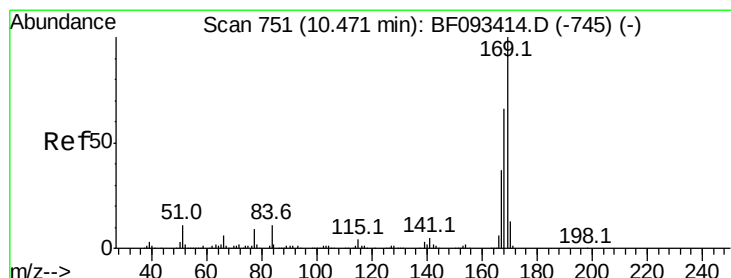
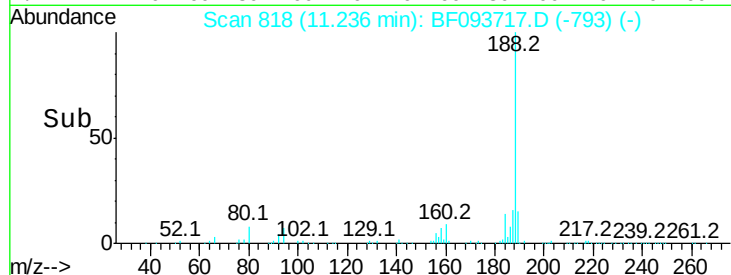
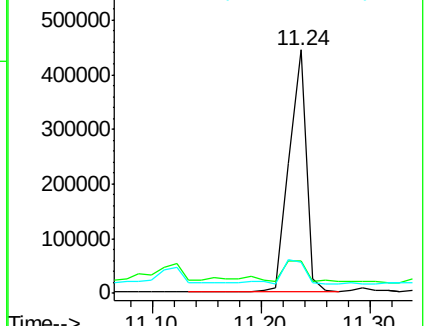
80 12.6 11.2 16.8



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



#65

n-Nitrosodiphenylamine

Concen: 2.51 ng

RT: 10.40 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

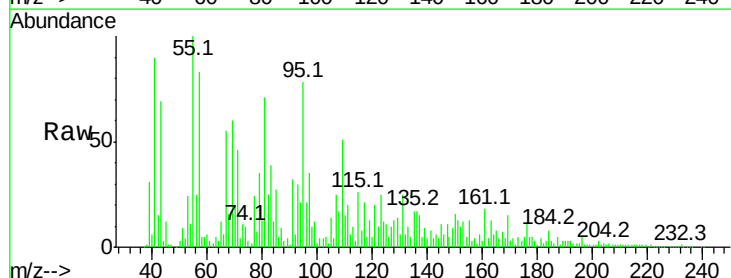
Tgt Ion:169 Resp: 40889

Ion Ratio Lower Upper

169 100

168 29.5 54.2 81.2#

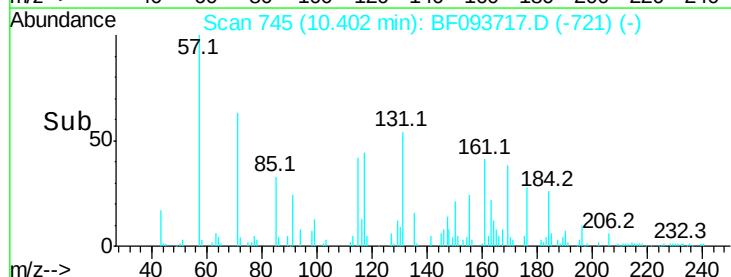
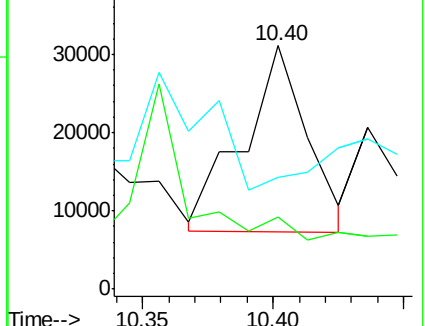
167 45.8 30.2 45.4#

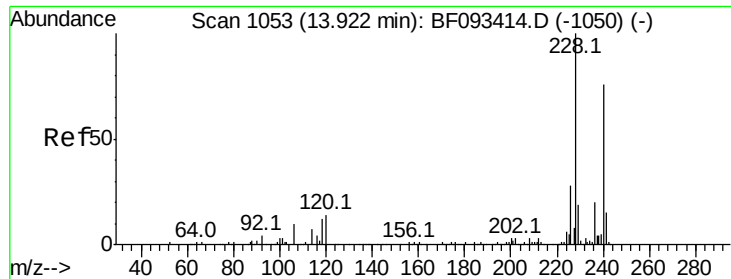


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

W-02

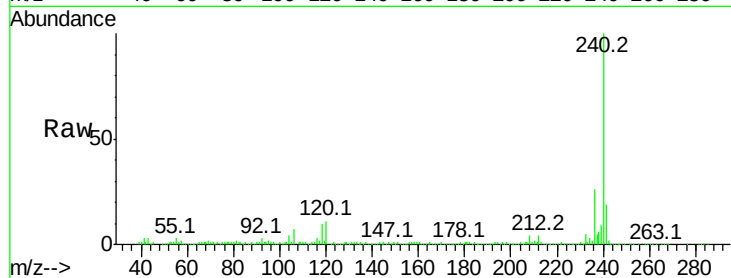
Tot Ion:240 Resp: 360456

Ion Ratio Lower Upper

240 100

120 11.0 12.9 19.3#

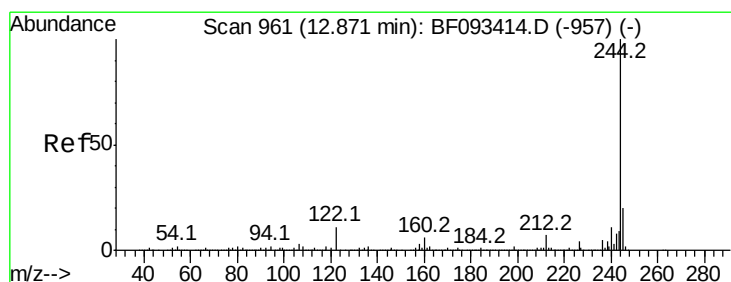
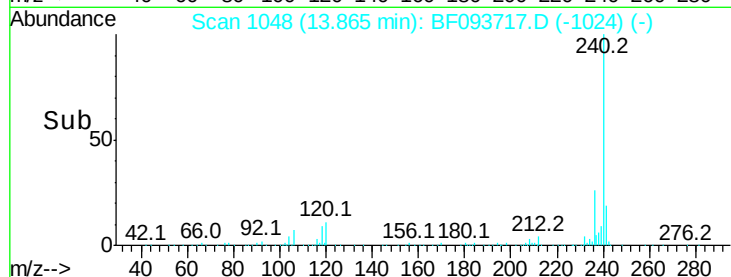
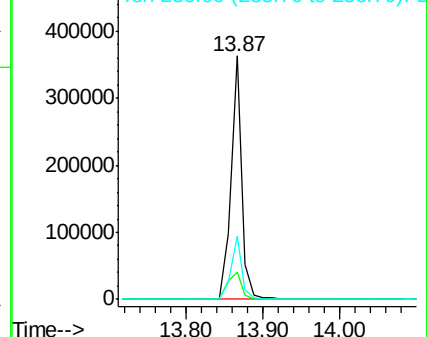
236 25.8 20.9 31.3



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: 78.05 ng

RT: 12.81 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF093717.D

Acq: 16 Mar 2017 20:18

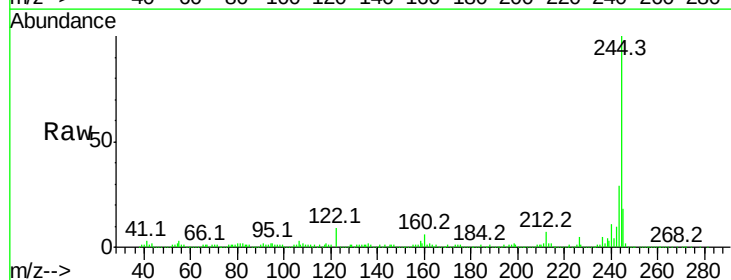
Tgt Ion:244 Resp: 1082096

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

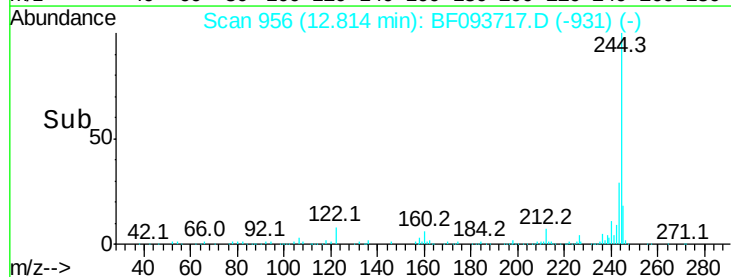
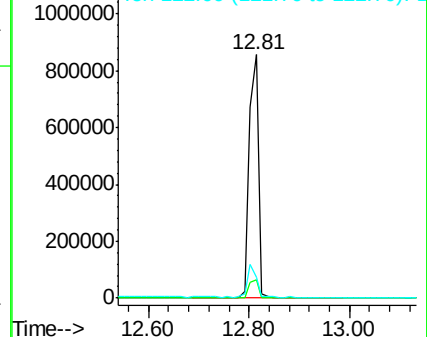
122 8.7 11.4 17.2#

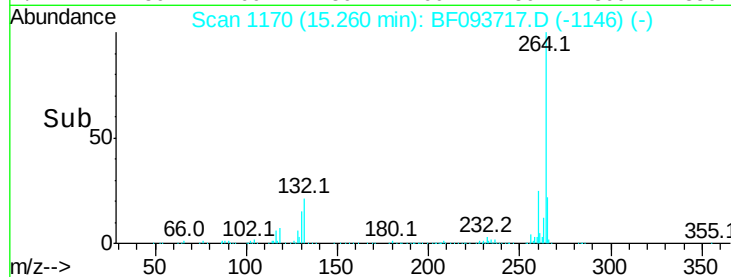
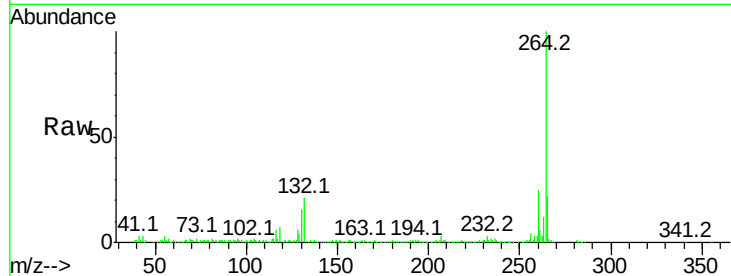
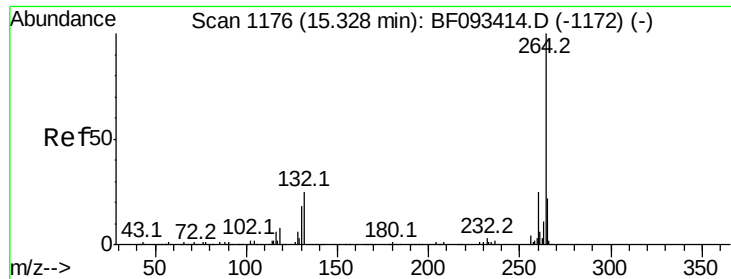


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.26 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF093717.D
Acq: 16 Mar 2017 20:18

Instrument :
BNA_F
ClientSampleId :
W-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.3	17.4	26.0

