

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\
 Data File : BF093515.D
 Acq On : 10 Mar 2017 10:29
 Operator : SJ/MA
 Sample : I2132-08
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 12:19:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

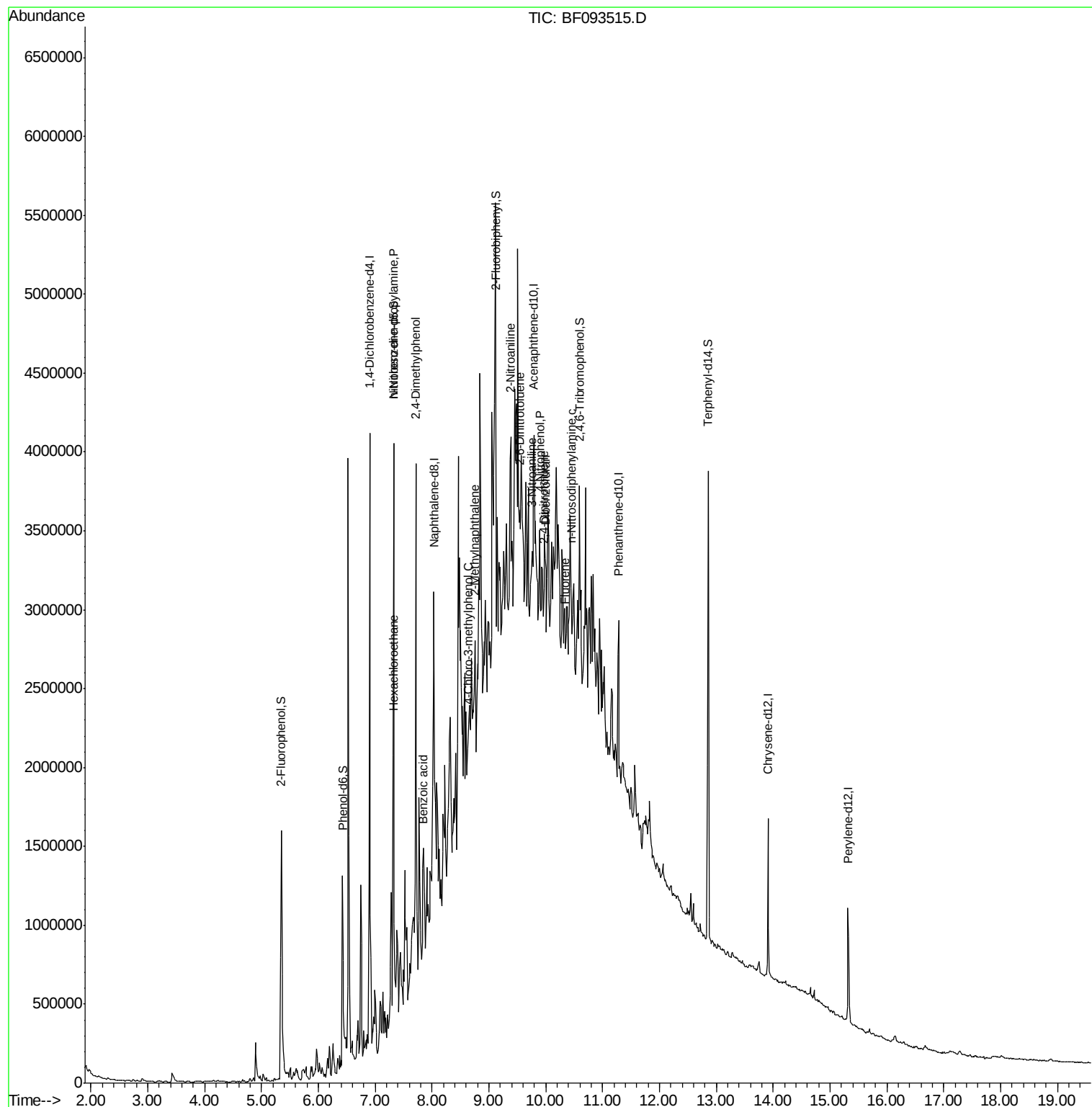
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	576127	20.00	ng	0.14
21) Naphthalene-d8	8.04	136	684355	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	282371	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	493485	20.00	ng	0.00
75) Chrysene-d12	13.91	240	373997	20.00	ng	-0.01
86) Perylene-d12	15.32	264	373490	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	722584	20.87	ng	0.00
7) Phenol-d6	6.42	99	668327	15.31	ng	0.01
23) Nitrobenzene-d5	7.33	82	1182842	95.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	303645	165.05	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1655827	109.07	ng	-0.01
78) Terphenyl-d14	12.86	244	1041163	72.38	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	1369	Below Cal	#	1
18) Hexachloroethane	7.32	117	202171	13.19	ng	5
19) n-Nitroso-di-n-propylamine	7.33	70	179578	5.98	ng	80
27) 2,4-Dimethylphenol	7.72	122	669599	65.08	ng	99
32) Benzoic acid	7.84	122	87519	16.37	ng	31
36) 4-Chloro-3-methylphenol	8.63	107	21788	2.11	ng	31
37) 2-Methylnaphthalene	8.76	142	194342	8.91	ng	98
47) 2-Nitroaniline	9.38	65	19045	3.42	ng	58
50) 2,6-Dinitrotoluene	9.54	165	11146	2.71	ng	66
52) 3-Nitroaniline	9.76	138	35351	7.16	ng	11
54) Dibenzofuran	10.00	168	74767	3.89	ng	76
55) 4-Nitrophenol	9.90	139	20356	8.49	ng	4
56) 2,4-Dinitrotoluene	9.97	165	15950	3.16	ng	71
57) Fluorene	10.34	166	69940	4.29	ng	83
65) n-Nitrosodiphenylamine	10.45	169	37677	2.29	ng	64

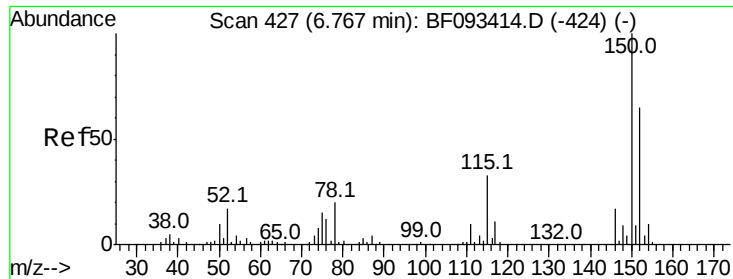
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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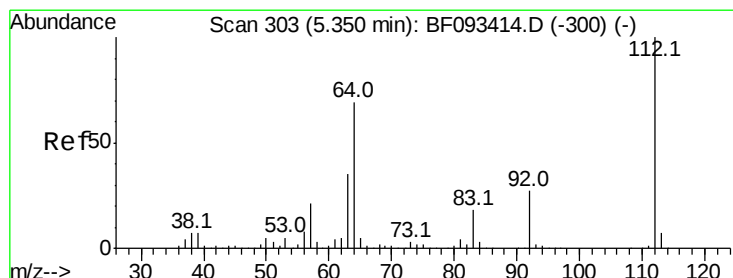
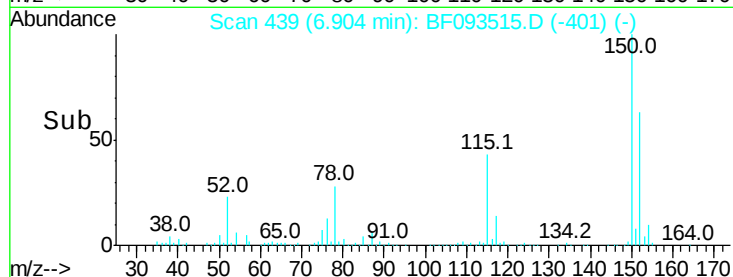
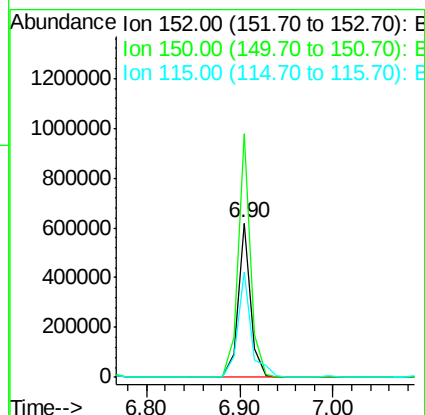
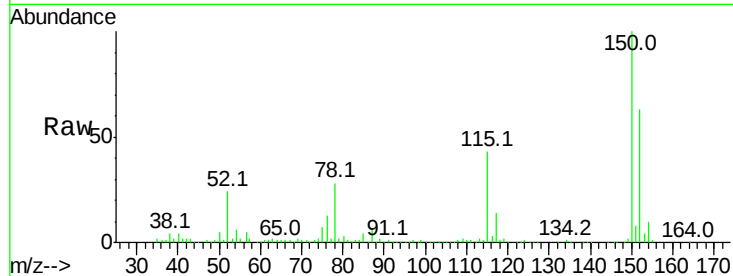


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 439
Delta R.T. 0.14 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

Instrument :
BNA_F
ClientSampleId :

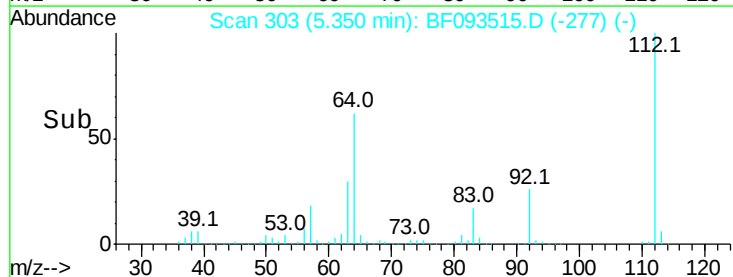
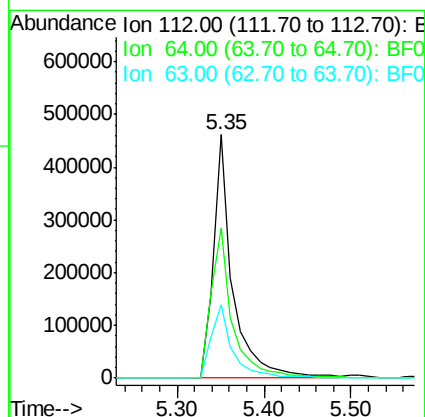
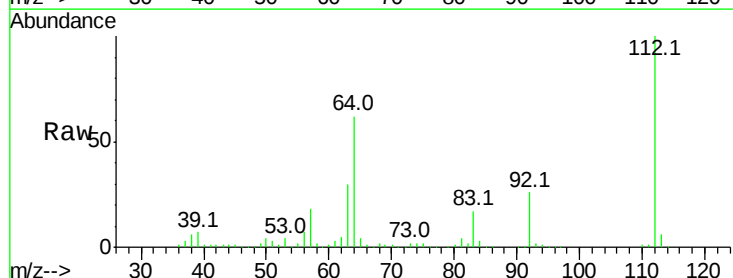
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.9	187.3
115	68.3	46.0	69.0

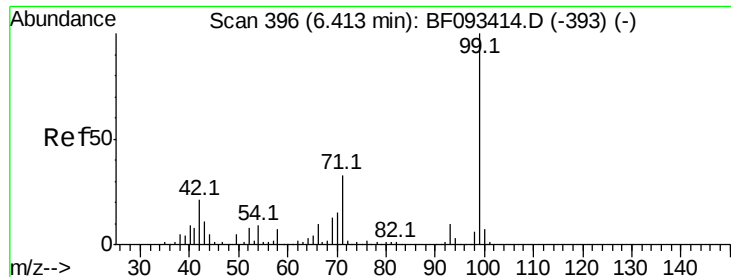


#5

2-Fluorophenol
Concen: 20.87 ng
RT: 5.35 min Scan# 303
Delta R.T. -0.00 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	46.1	69.1
63	30.3	23.8	35.6





#7

Phenol-d6

Concen: 15.31 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampleId :

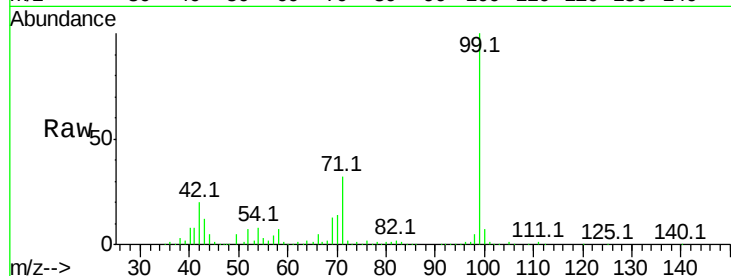
Tot Ion: 99 Resp: 668327

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

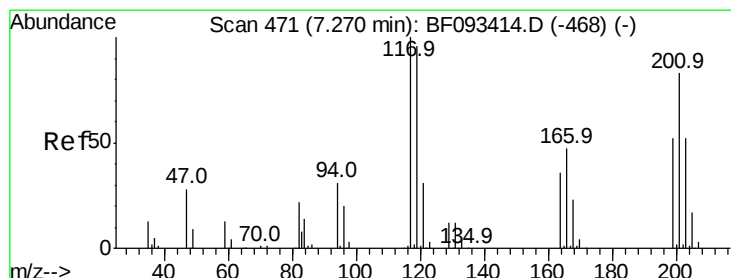
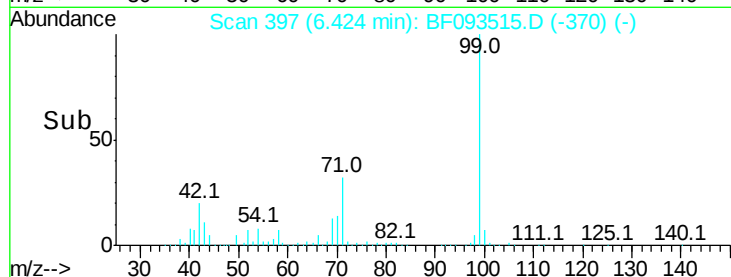
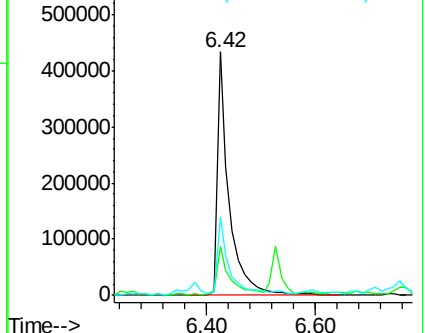
71 32.3 27.5 41.3



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



#18

Hexachloroethane

Concen: 13.19 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.05 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

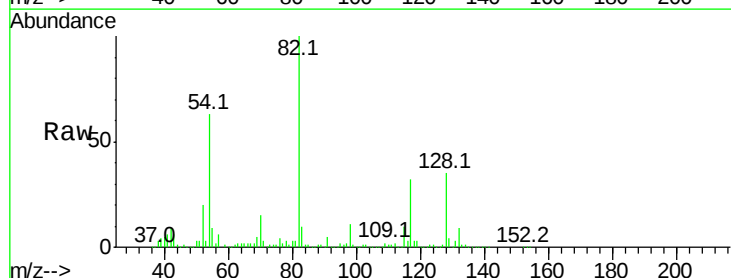
Tgt Ion: 117 Resp: 202171

Ion Ratio Lower Upper

117 100

119 8.4 78.1 117.1#

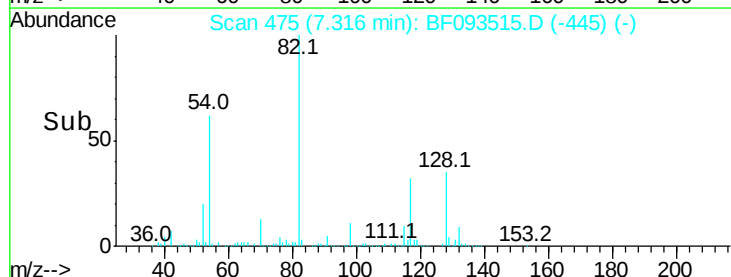
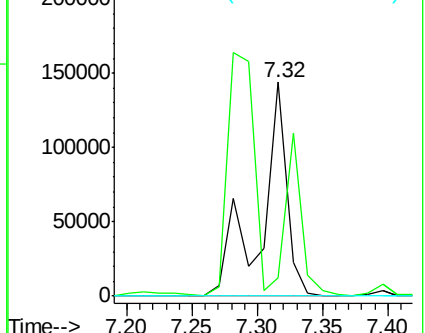
201 0.0 78.6 117.8#

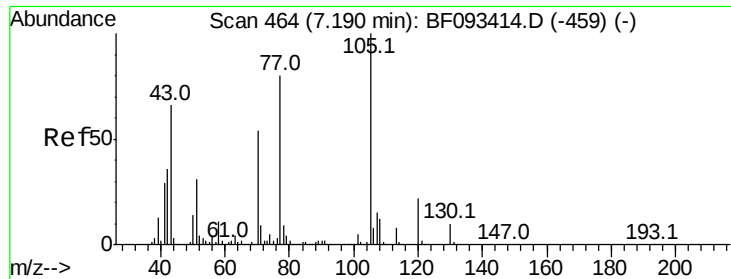


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

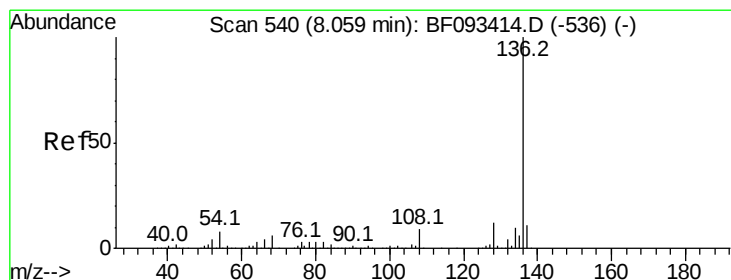
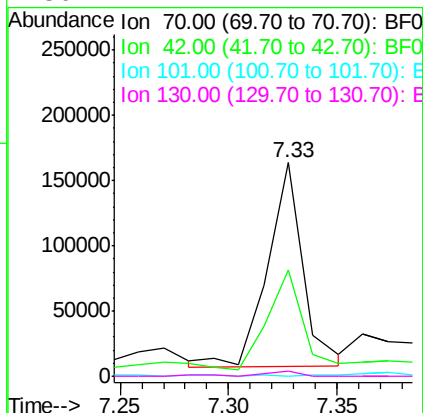
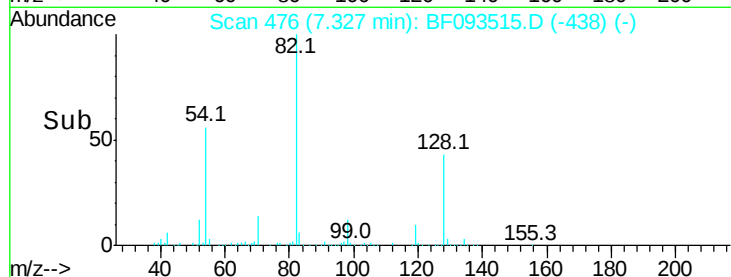
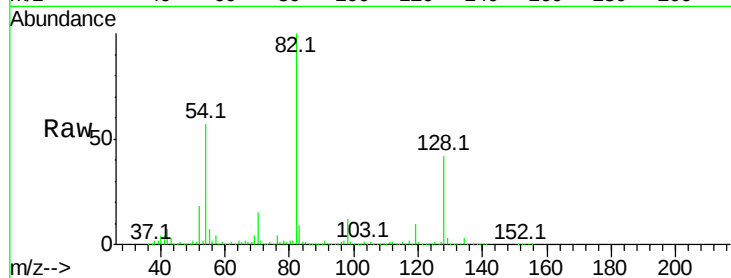




#19
n-Nitroso-di-n-propylamine
Concen: 5.98 ng
RT: 7.33 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

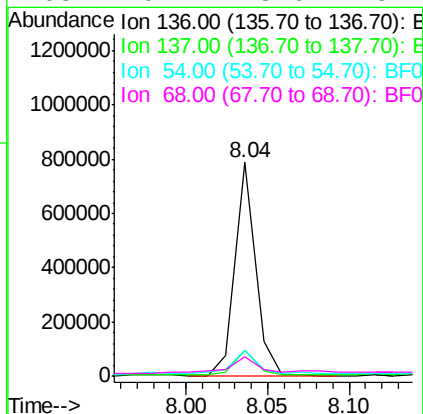
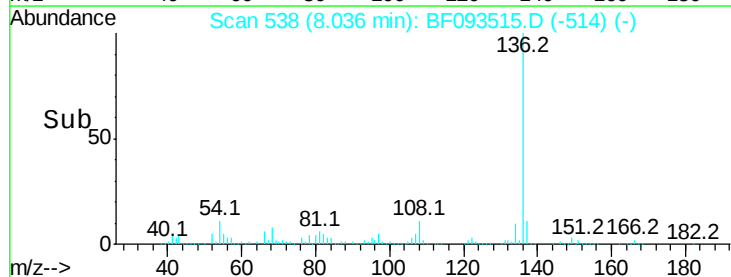
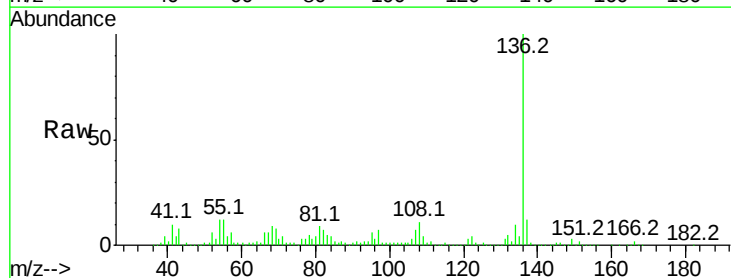
Instrument :
BNA_F
ClientSampleId :

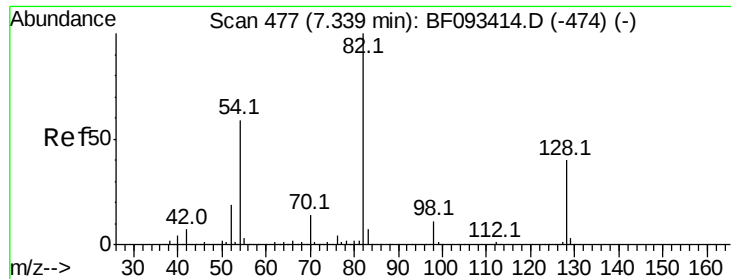
Tot Ion: 70 Resp: 179578
Ion Ratio Lower Upper
70 100
42 50.0 49.4 74.0
101 0.3 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

Tgt Ion:136 Resp: 684355
Ion Ratio Lower Upper
136 100
137 11.8 8.4 12.6
54 12.1 4.5 6.7#
68 9.2 3.6 5.4#

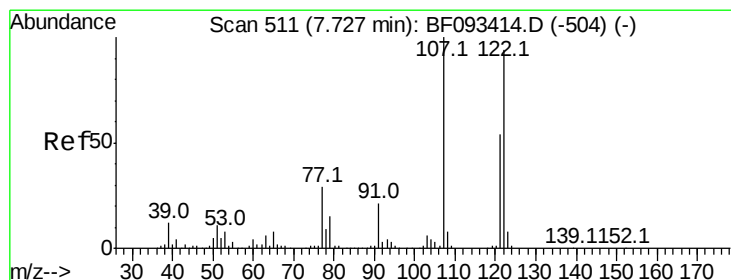
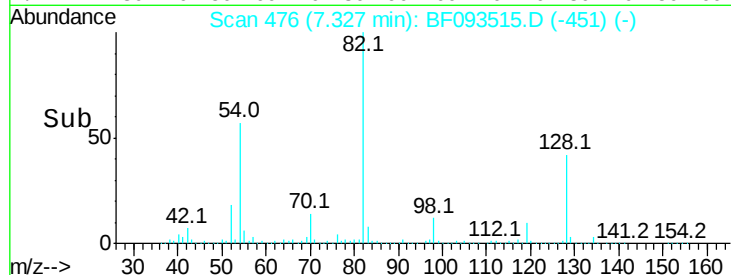
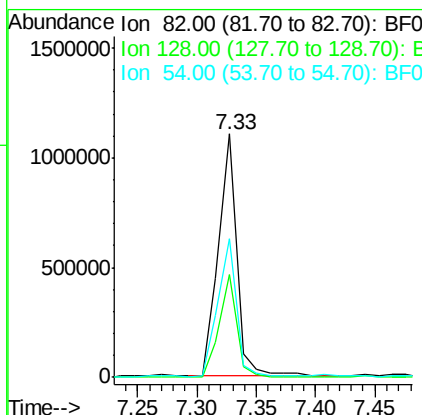
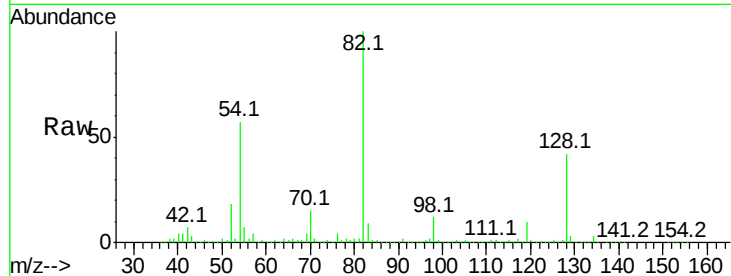




#23
Nitrobenzene-d5
Concen: 95.90 ng
RT: 7.33 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

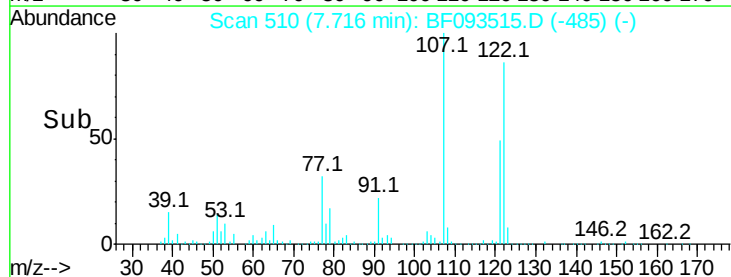
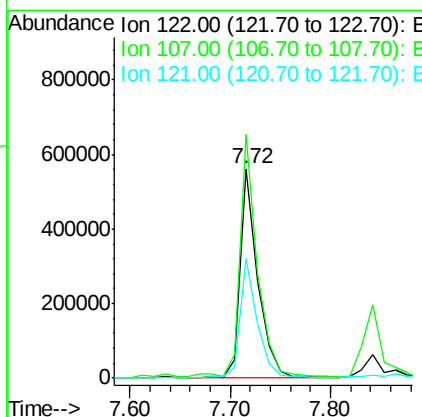
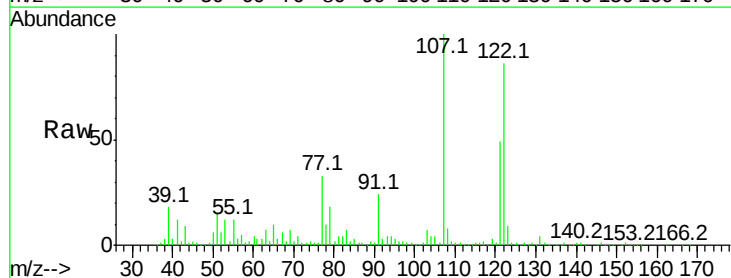
Instrument :
BNA_F
ClientSampled :

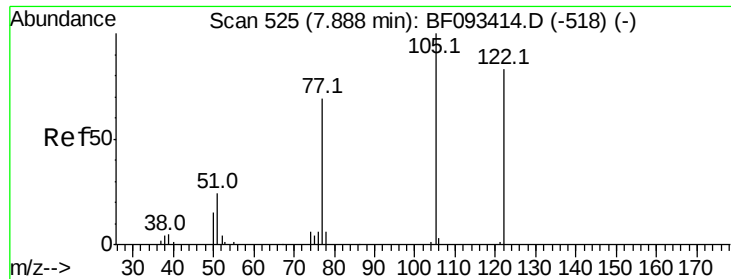
Tot Ion: 82 Resp: 1182842
Ion Ratio Lower Upper
82 100
128 42.2 34.6 52.0
54 56.7 39.5 59.3



#27
2,4-Dimethylphenol
Concen: 65.08 ng
RT: 7.72 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

Tgt Ion:122 Resp: 669599
Ion Ratio Lower Upper
122 100
107 116.2 94.1 141.1
121 57.3 46.0 69.0

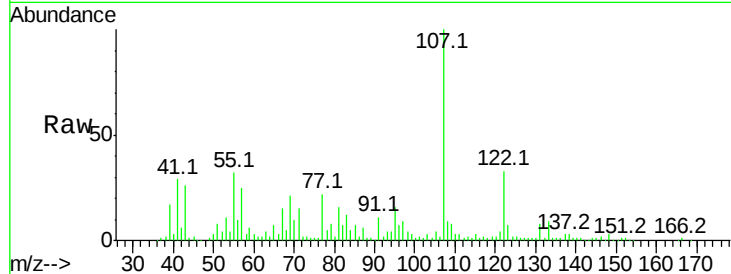




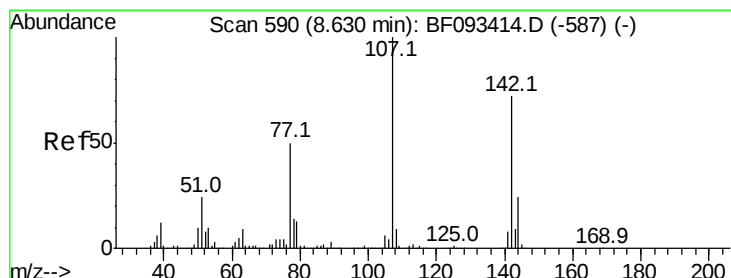
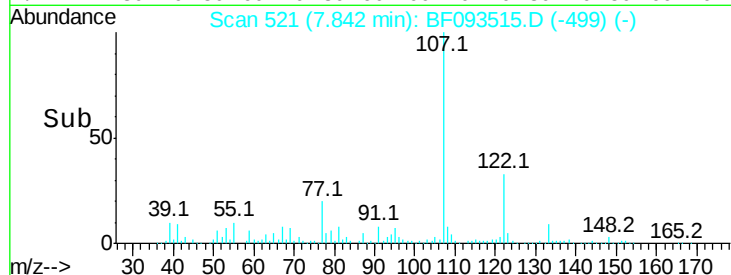
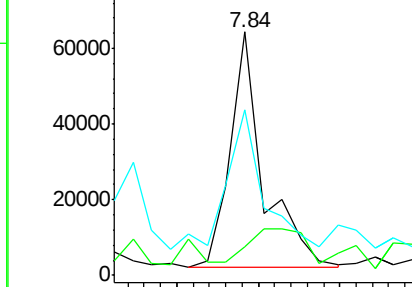
#32
Benzoic acid
Concen: 16.37 ng
RT: 7.84 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 87519
Ion Ratio Lower Upper
122 100
105 11.6 107.2 147.2#
77 67.8 74.5 114.5#

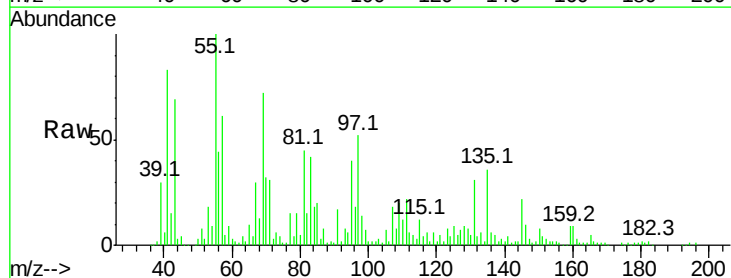


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

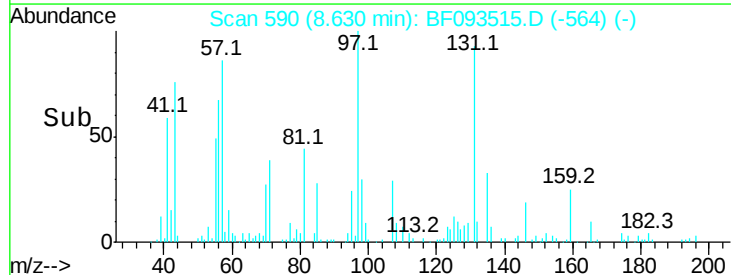
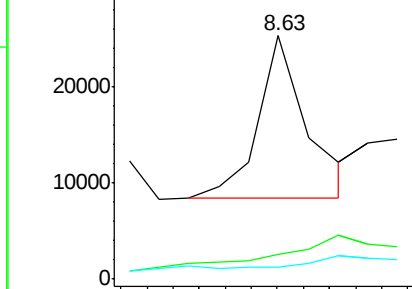


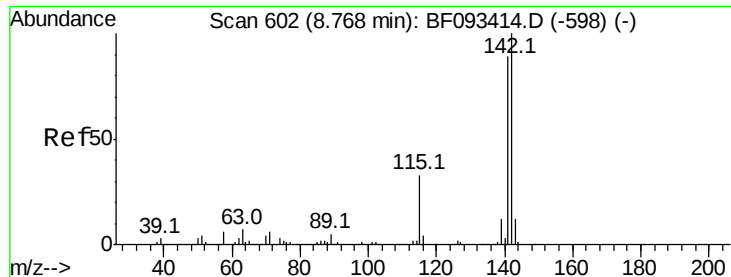
#36
4-Chloro-3-methylphenol
Concen: 2.11 ng
RT: 8.63 min Scan# 590
Delta R.T. -0.00 min
Lab File: BF093515.D
Acq: 10 Mar 2017 10:29

Tgt Ion:107 Resp: 21788
Ion Ratio Lower Upper
107 100
144 10.3 19.3 28.9#
142 4.7 59.0 88.6#



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





#37

2-Methylnaphthalene

Concen: 8.91 ng

RT: 8.76 min Scan# 601

Delta R.T. -0.01 min

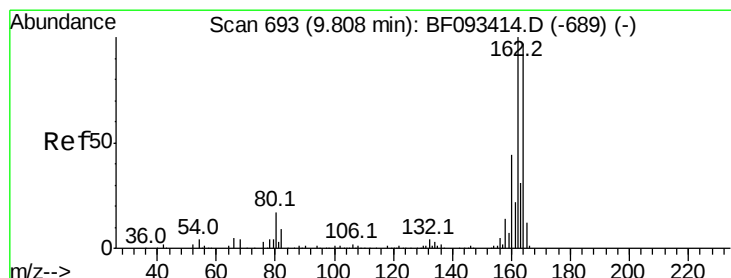
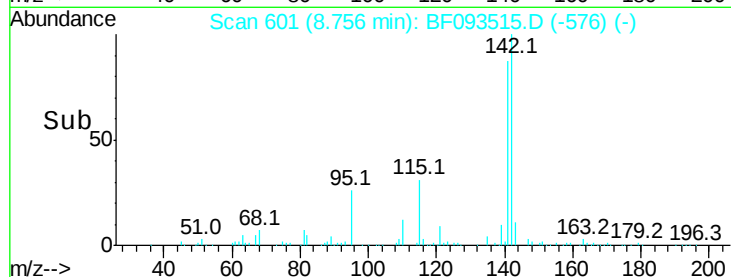
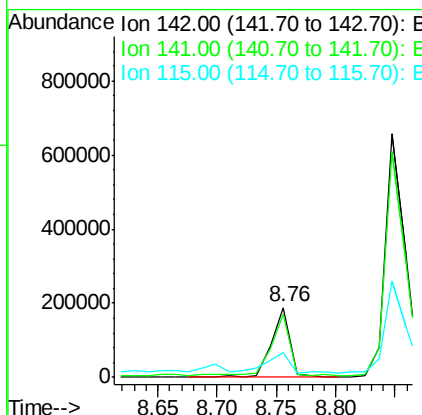
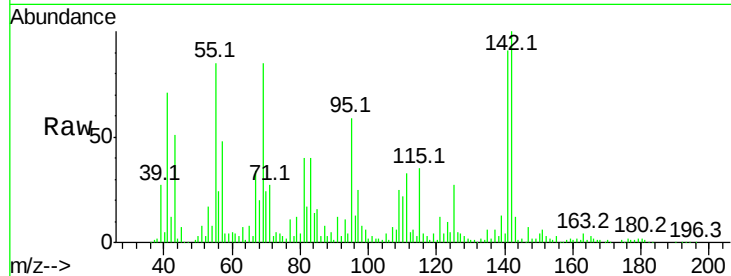
Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 194342

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.0	106.6
115	35.0	28.3	42.5



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 692

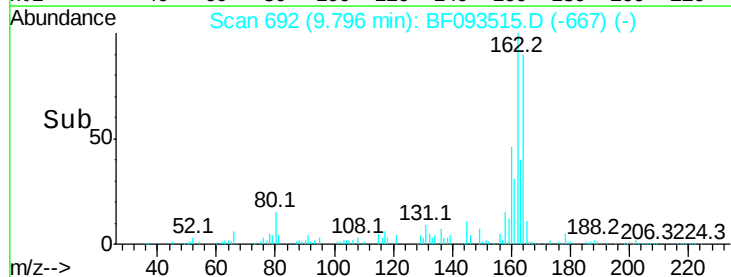
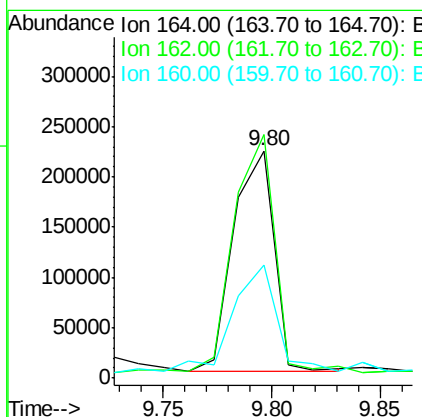
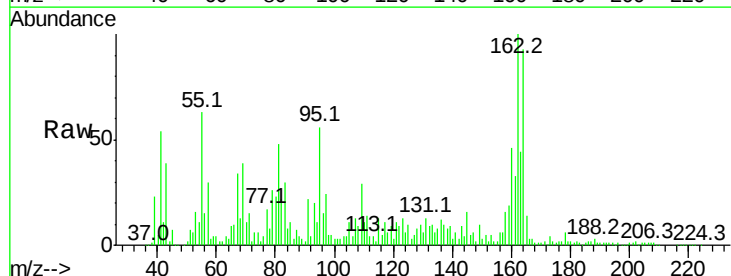
Delta R.T. -0.01 min

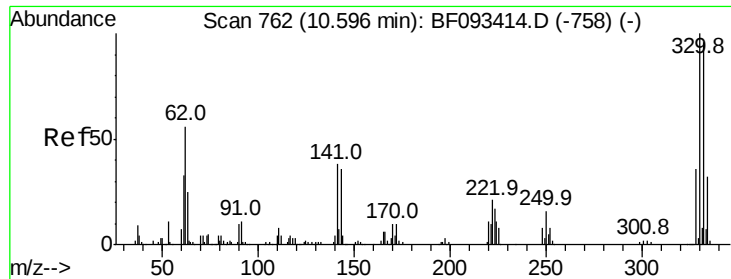
Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Tgt Ion:164 Resp: 282371

Ion	Ratio	Lower	Upper
164	100		
162	107.1	80.2	120.2
160	49.6	36.9	55.3

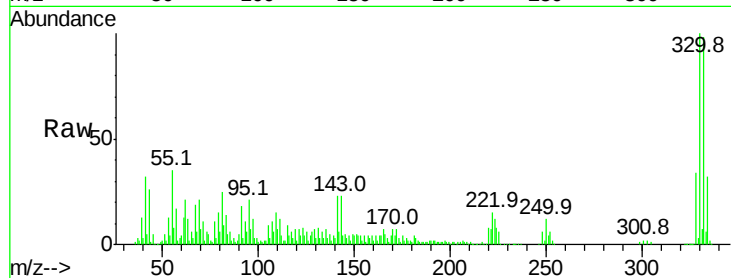




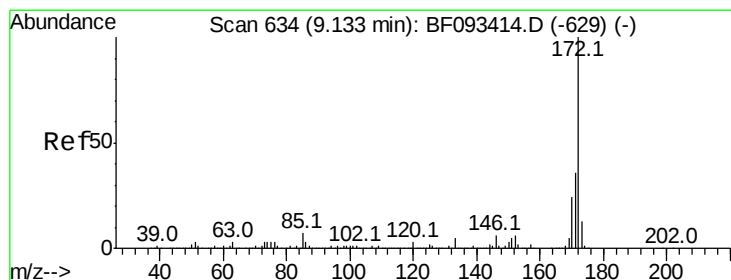
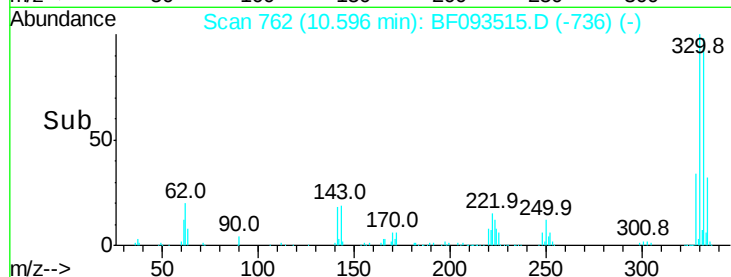
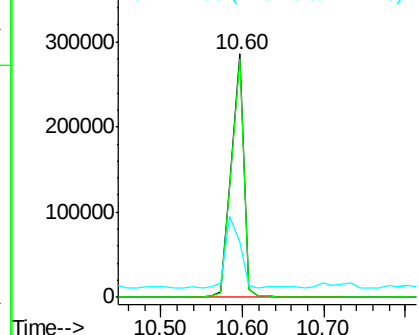
#41
 2,4,6-Tribromophenol
 Concen: 165.05 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF093515.D
 Acq: 10 Mar 2017 10:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.4	116.2
141	35.7	34.1	51.1

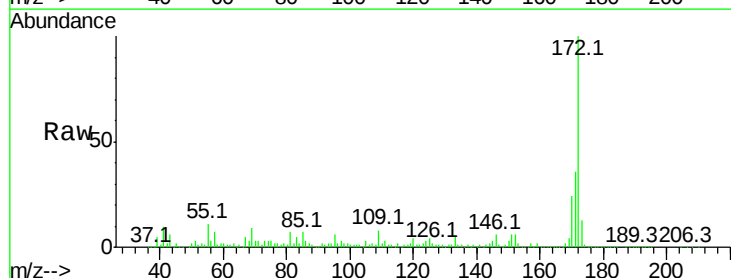


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

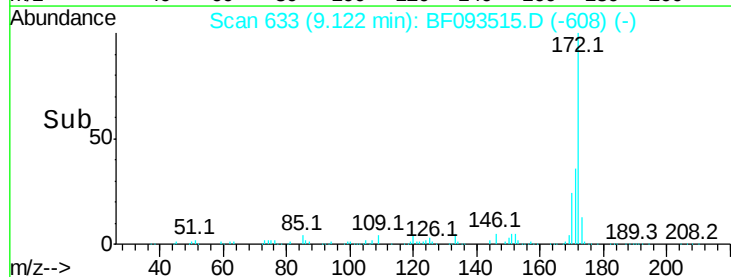
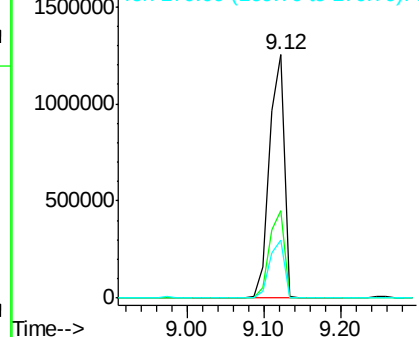


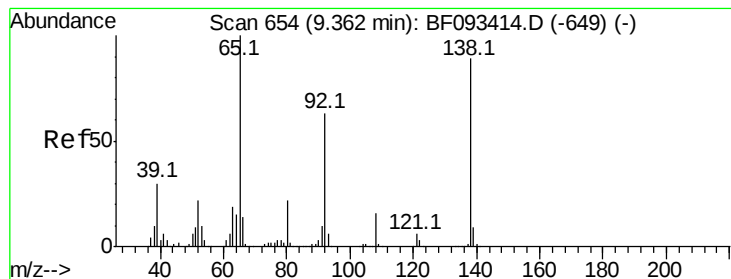
#44
 2-Fluorobiphenyl
 Concen: 109.07 ng
 RT: 9.12 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF093515.D
 Acq: 10 Mar 2017 10:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.0	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





#47

2-Nitroaniline

Concen: 3.42 ng

RT: 9.38 min Scan# 656

Delta R.T. 0.02 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampleId :

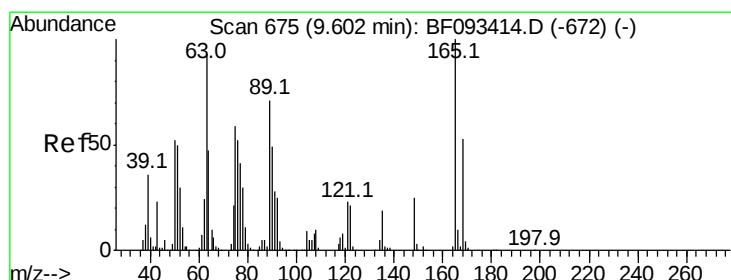
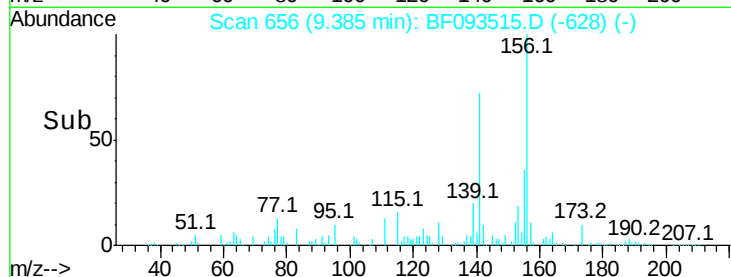
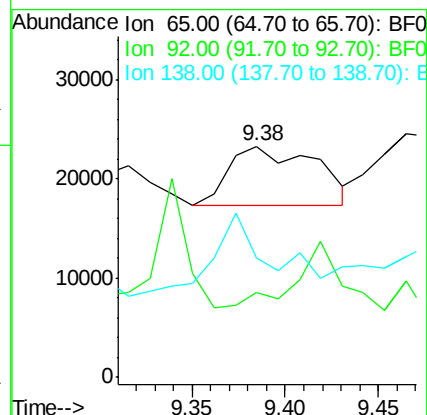
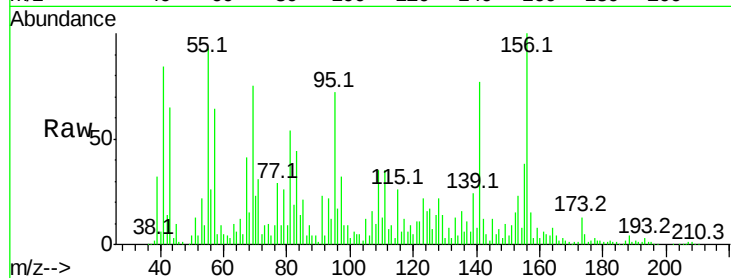
Tot Ion: 65 Resp: 19045

Ion Ratio Lower Upper

65 100

92 36.8 53.9 80.9#

138 51.7 76.8 115.2#



#50

2,6-Dinitrotoluene

Concen: 2.71 ng

RT: 9.54 min Scan# 670

Delta R.T. -0.06 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

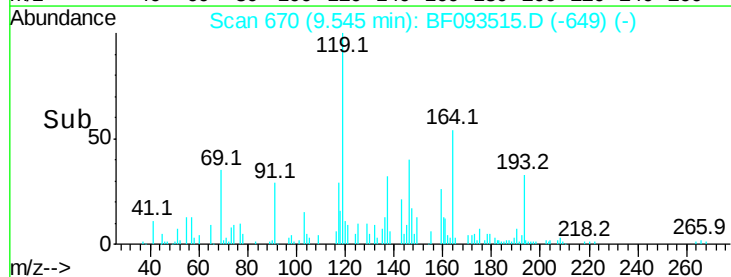
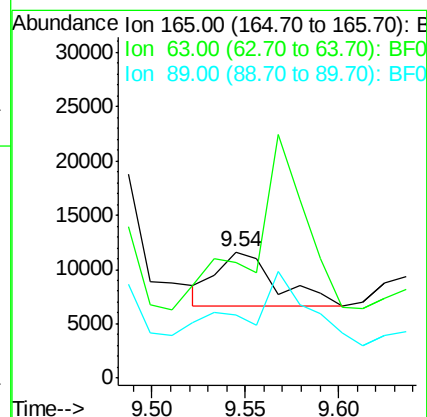
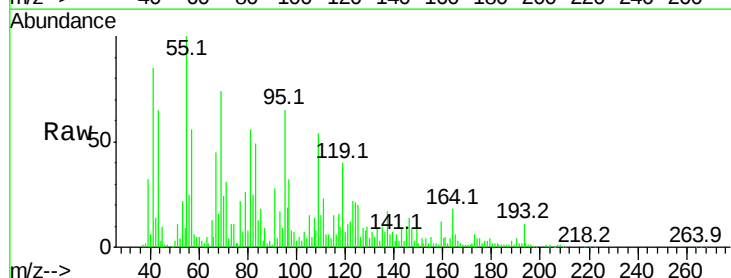
Tgt Ion: 165 Resp: 11146

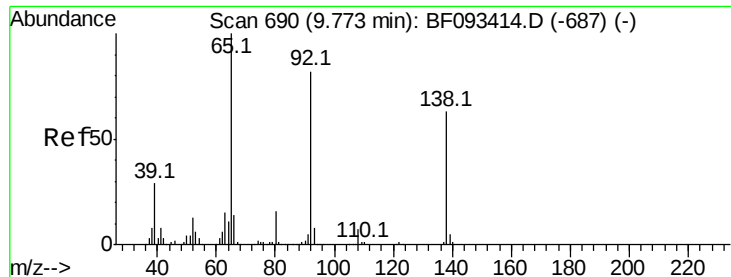
Ion Ratio Lower Upper

165 100

63 91.3 36.2 54.4#

89 49.9 40.2 60.4





#52

3-Nitroaniline

Concen: 7.16 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampleId :

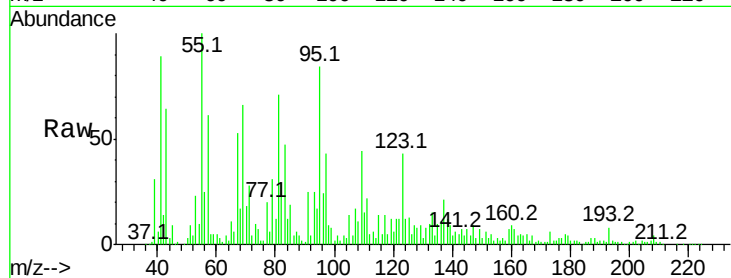
Tot Ion:138 Resp: 35351

Ion Ratio Lower Upper

138 100

108 92.6 8.5 12.7#

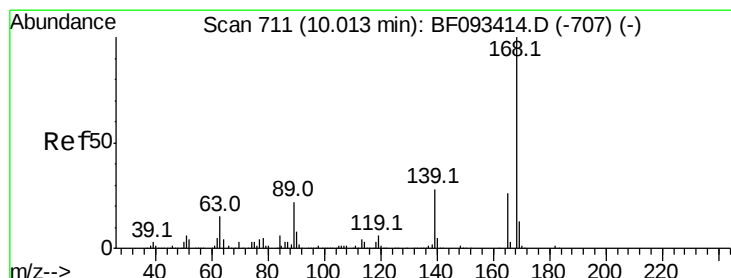
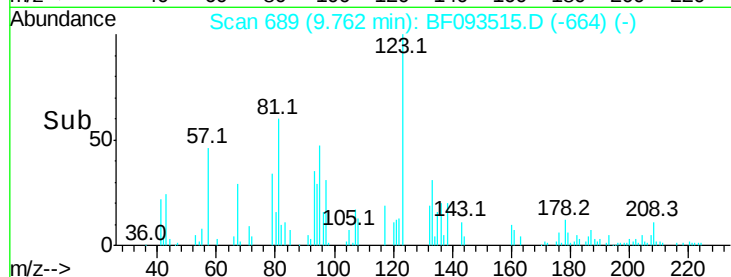
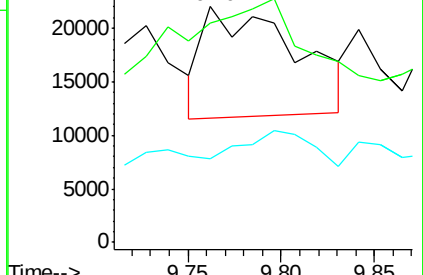
92 35.3 97.8 146.8#



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



#54

Dibenzofuran

Concen: 3.89 ng

RT: 10.00 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

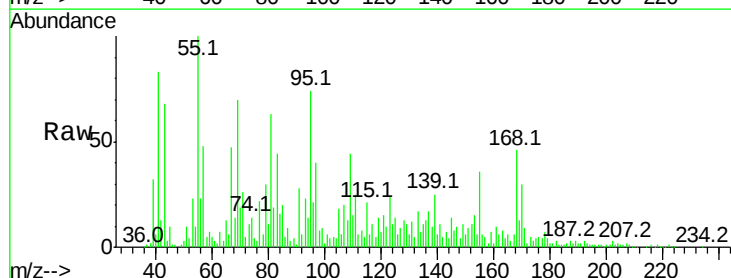
Tgt Ion:168 Resp: 74767

Ion Ratio Lower Upper

168 100

139 53.6 32.6 49.0#

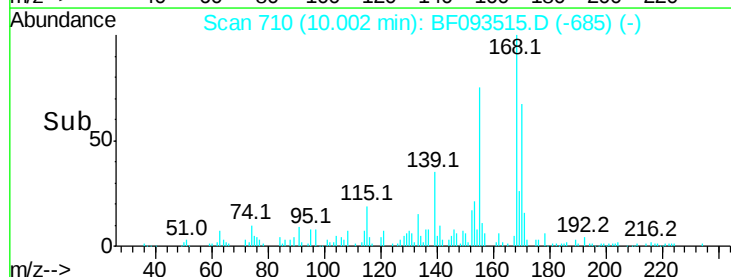
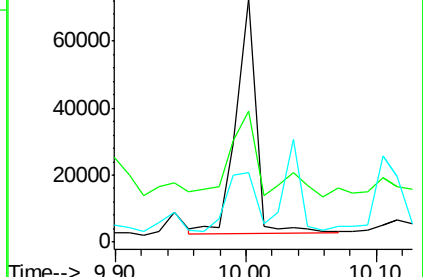
169 28.6 11.3 16.9#

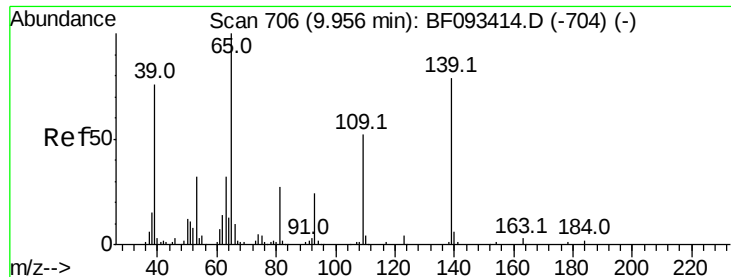


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 8.49 ng

RT: 9.90 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampleId :

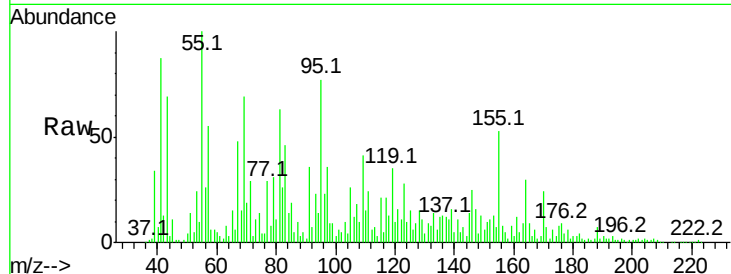
Tot Ion:139 Resp: 20356

Ion Ratio Lower Upper

139 100

109 250.2 52.2 92.2#

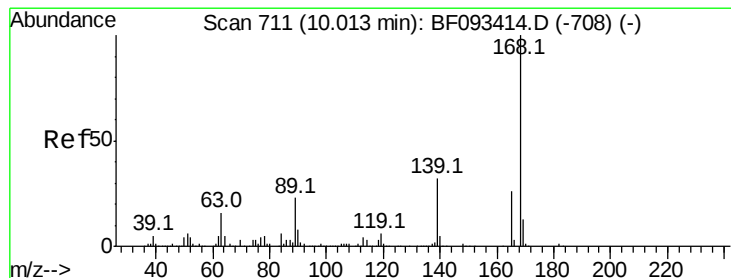
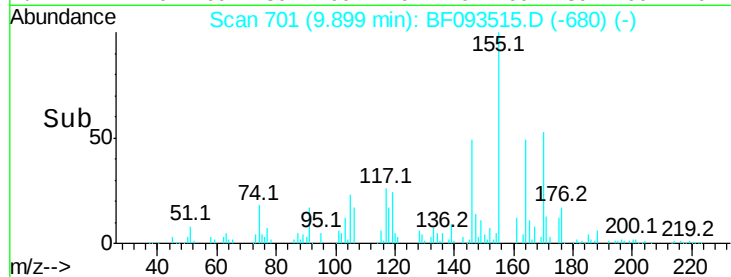
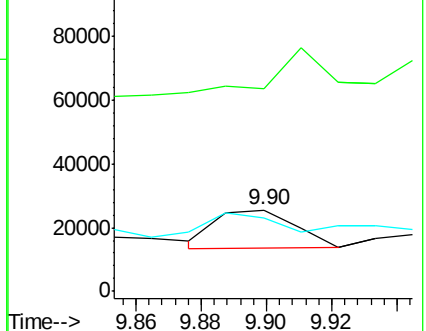
65 89.8 85.8 125.8



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: 3.16 ng

RT: 9.97 min Scan# 707

Delta R.T. -0.05 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Tgt Ion:165 Resp: 15950

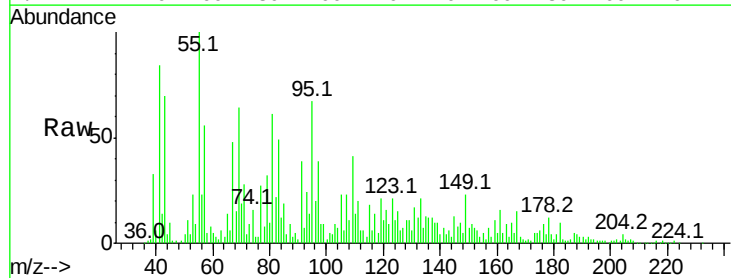
Ion Ratio Lower Upper

165 100

63 58.6 40.2 60.4

89 48.9 62.5 93.7#

182 95.8 1.8 2.8#

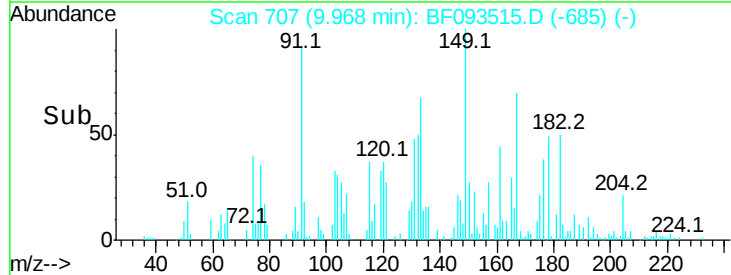
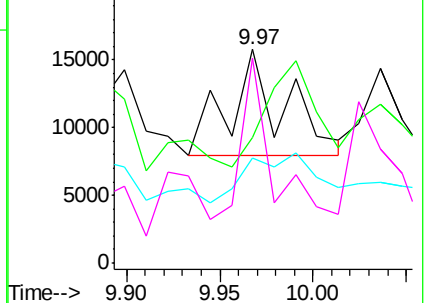


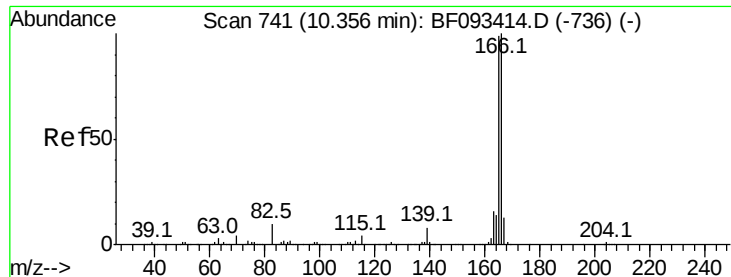
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 4.29 ng

RT: 10.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampleId :

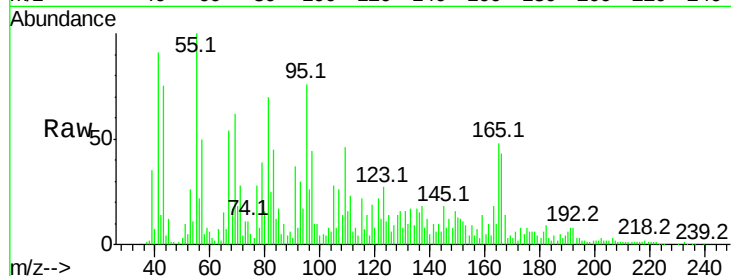
Tot Ion:166 Resp: 69940

Ion Ratio Lower Upper

166 100

165 109.7 77.8 116.8

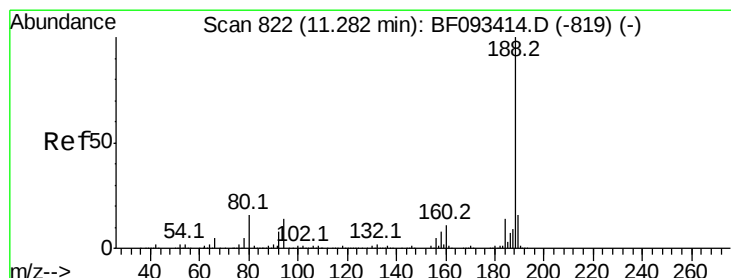
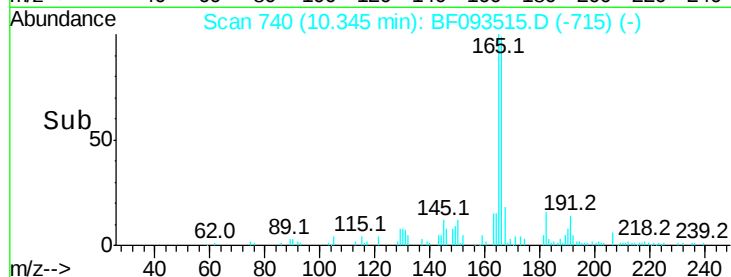
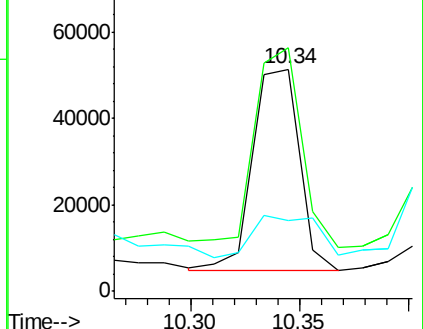
167 31.9 10.8 16.2#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

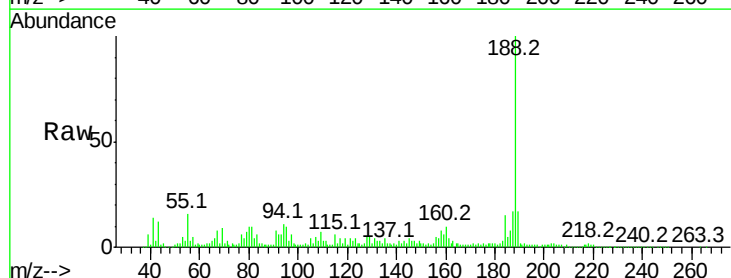
Tgt Ion:188 Resp: 493485

Ion Ratio Lower Upper

188 100

94 11.1 10.0 15.0

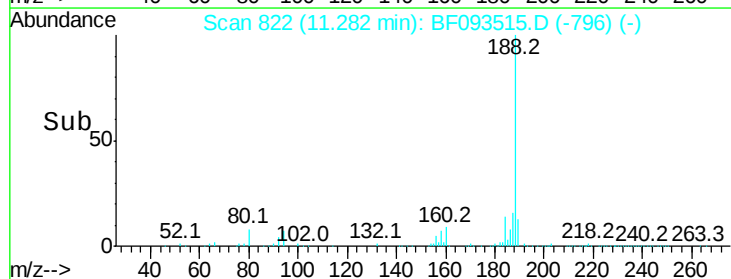
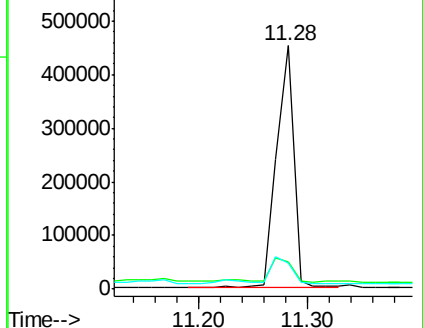
80 10.5 11.2 16.8#

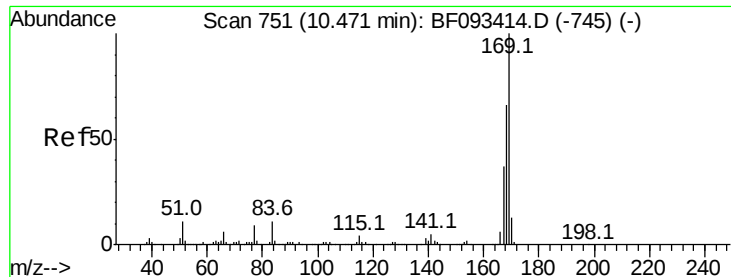


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 2.29 ng

RT: 10.45 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampleId :

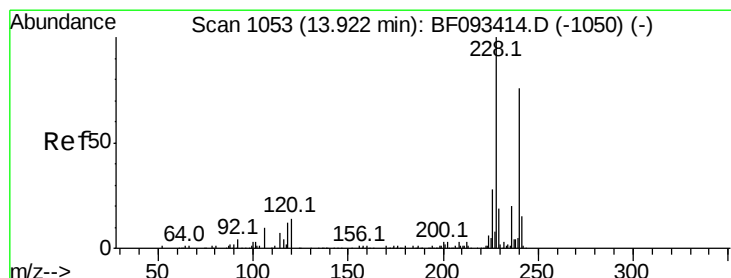
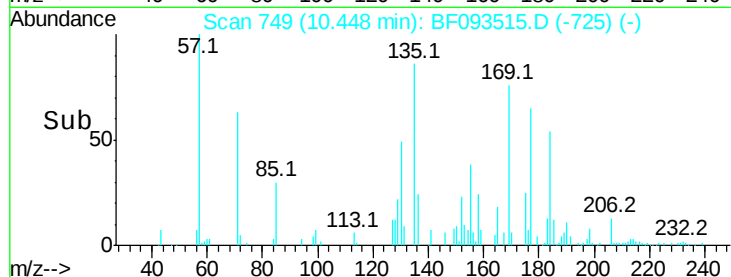
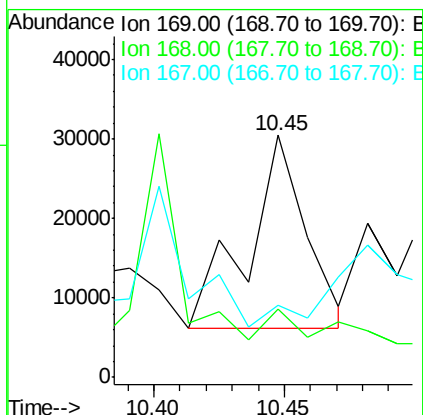
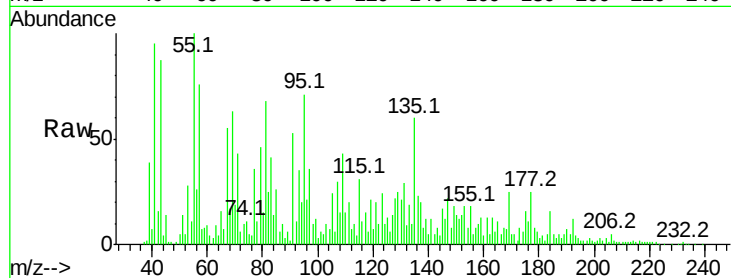
Tot Ion:169 Resp: 37677

Ion Ratio Lower Upper

169 100

168 28.2 54.2 81.2#

167 29.9 30.2 45.4#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

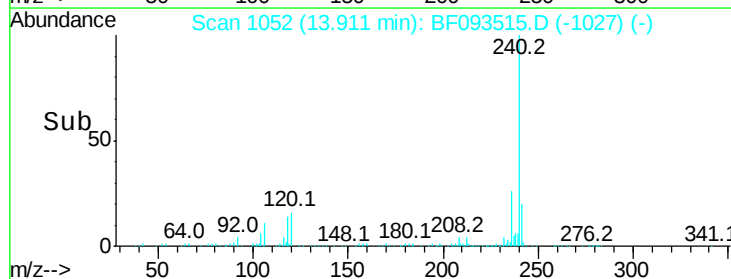
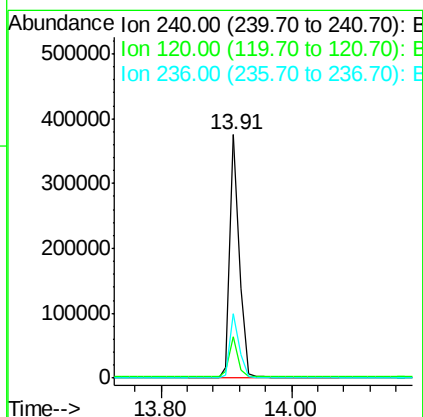
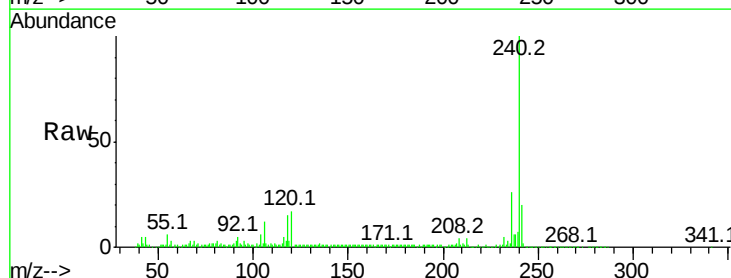
Tgt Ion:240 Resp: 373997

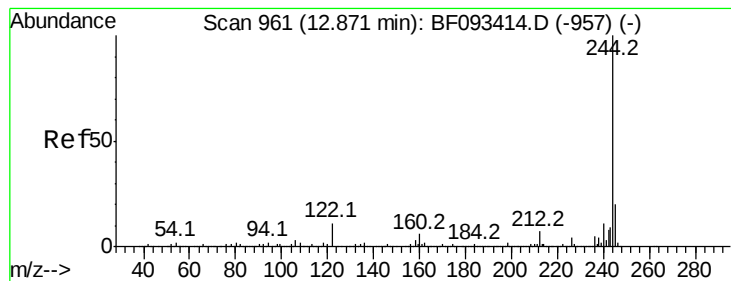
Ion Ratio Lower Upper

240 100

120 16.8 12.9 19.3

236 26.4 20.9 31.3





#78

Terphenyl-d14

Concen: 72.38 ng

RT: 12.86 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

Instrument :

BNA_F

ClientSampled :

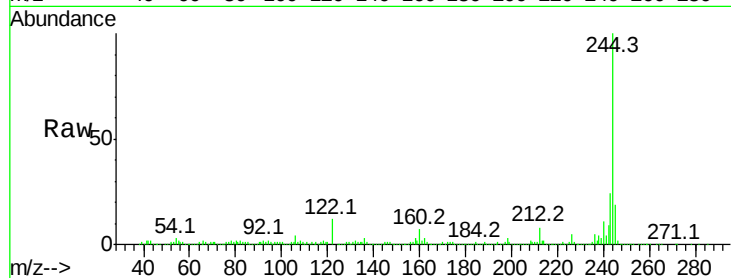
Tot Ion:244 Resp: 1041163

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

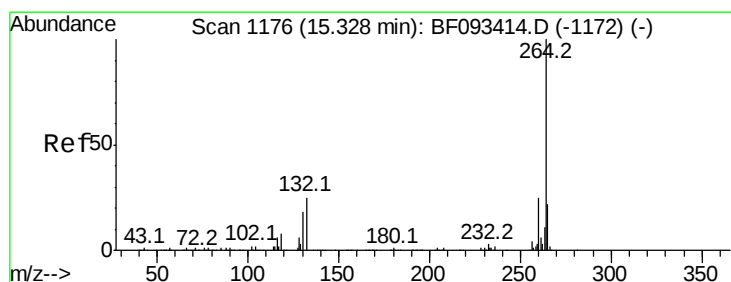
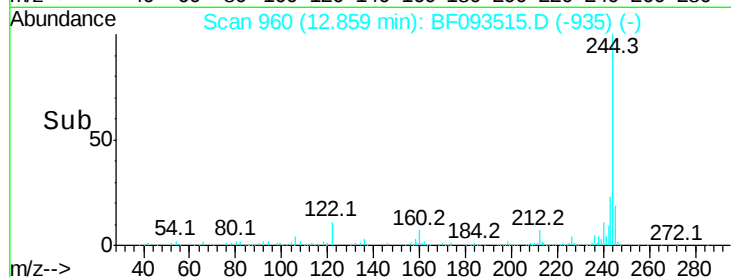
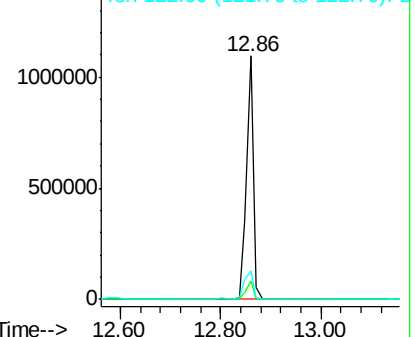
122 11.9 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF093515.D

Acq: 10 Mar 2017 10:29

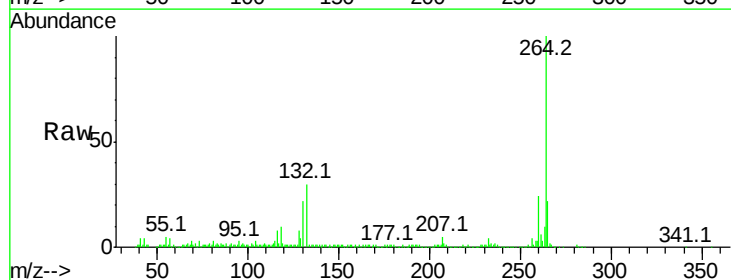
Tgt Ion:264 Resp: 373490

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.7 17.4 26.0



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

