

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093658.D
 Acq On : 14 Mar 2017 14:59
 Operator : SJ/MA
 Sample : I2224-02
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 030917-PRRT-F-D-M

Quant Time: Mar 15 02:33:52 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

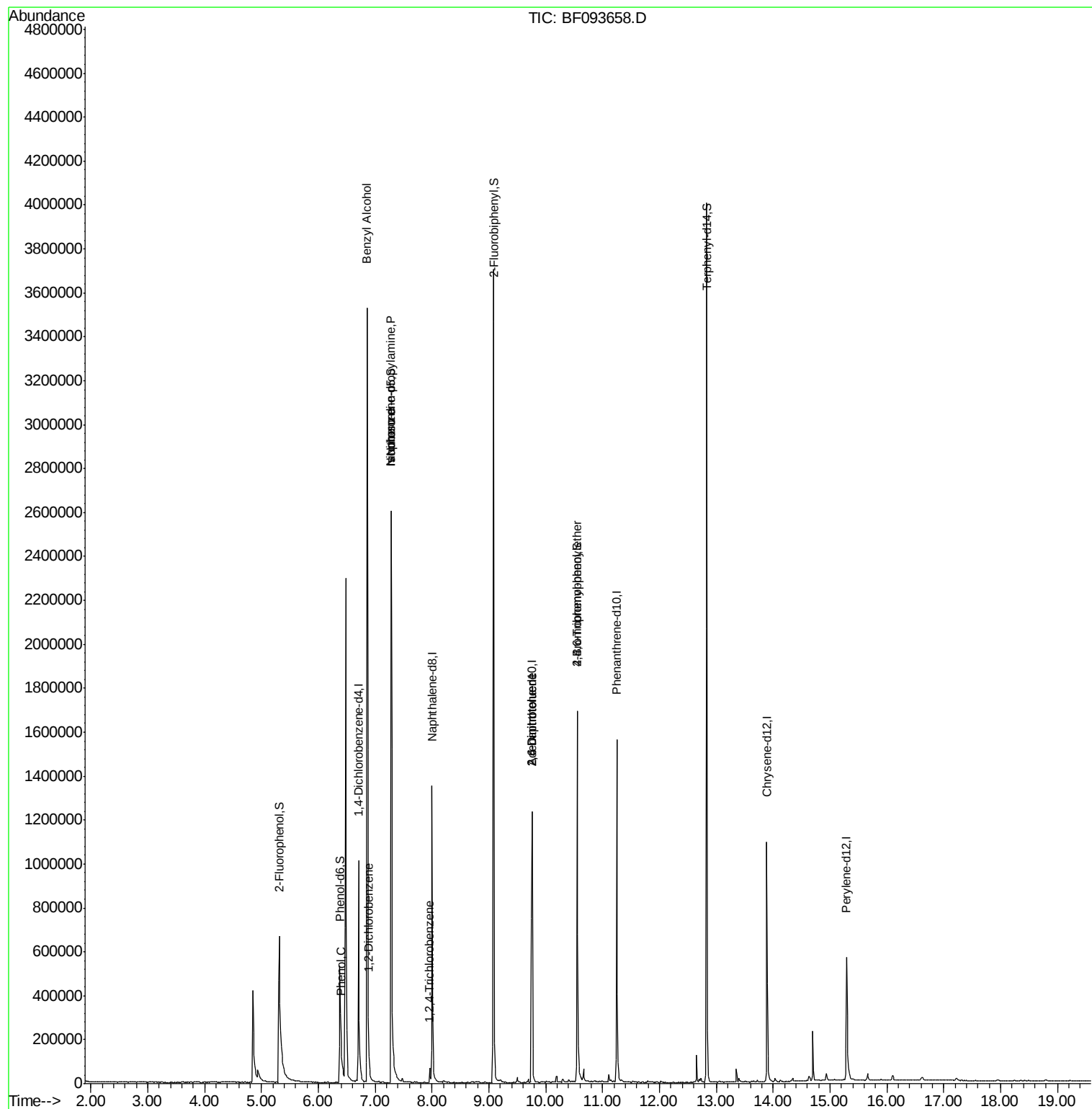
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	163401	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	659397	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	307099	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	596452	20.00	ng	0.00
75) Chrysene-d12	13.89	240	455264	20.00	ng	0.00
86) Perylene-d12	15.29	264	296100	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	455111	46.36	ng	0.00
7) Phenol-d6	6.38	99	358915	28.99	ng	0.00
23) Nitrobenzene-d5	7.28	82	1159638	97.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	193140	96.53	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1780348	107.83	ng	0.00
78) Terphenyl-d14	12.84	244	1369956	78.24	ng	0.01
Target Compounds						
9) Benzaldehyde	6.38	77	591	Below Cal	Qvalue	# 1
10) Phenol	6.40	94	36086	2.38	ng	95
14) 1,2-Dichlorobenzene	6.88	146	25925	2.27	ng	99
15) Benzyl Alcohol	6.86	79	18589	2.11	ng	# 43
19) n-Nitroso-di-n-propylamine	7.28	70	153345	18.02	ng	# 86
25) Isophorone	7.28	82	1150746	48.02	ng	# 65
30) 1,2,4-Trichlorobenzene	7.96	180	20109	2.03	ng	# 91
50) 2,6-Dinitrotoluene	9.76	165	39032	8.74	ng	# 32
56) 2,4-Dinitrotoluene	9.76	165	39034	7.11	ng	# 20
66) 4-Bromophenyl-phenylether	10.55	248	15367	2.44	ng	# 1

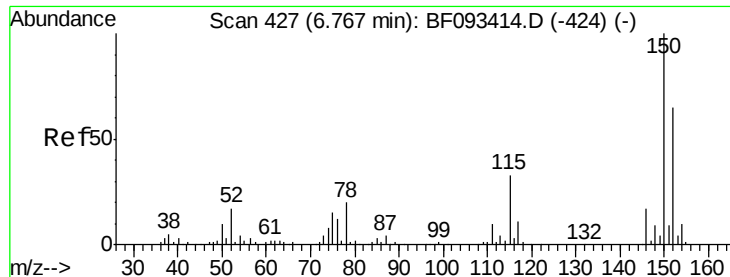
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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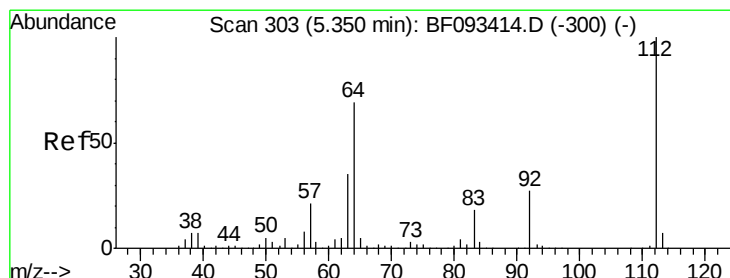
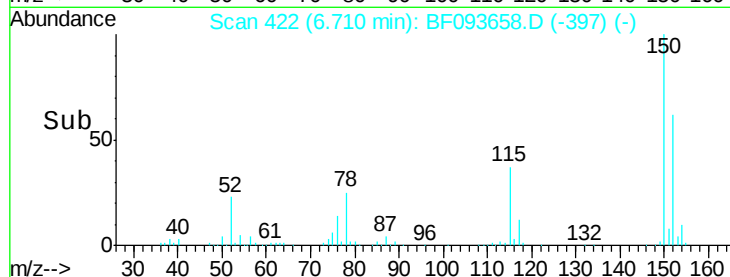
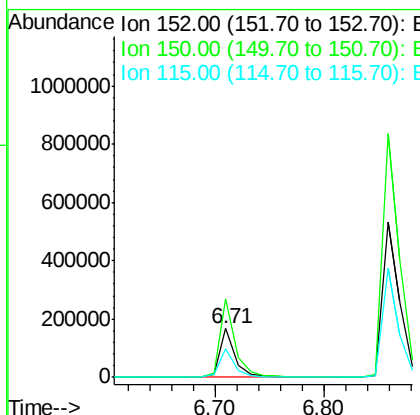
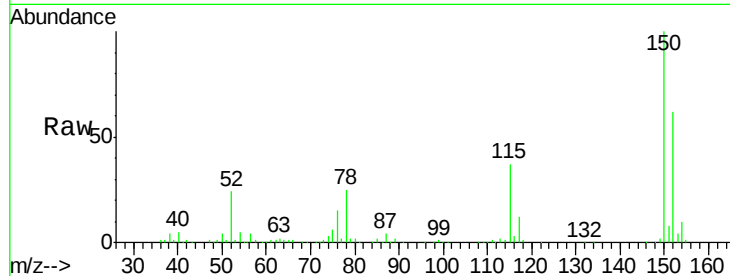


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Instrument :
BNA_M
ClientSampleId :
030917-PRRT-F-D-M

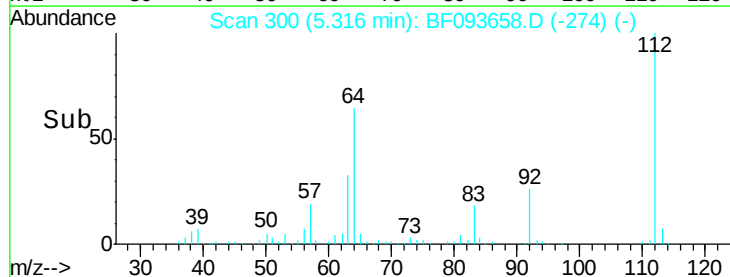
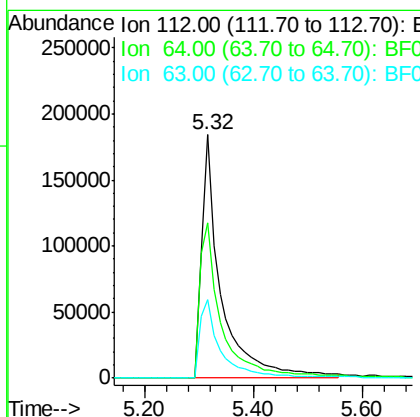
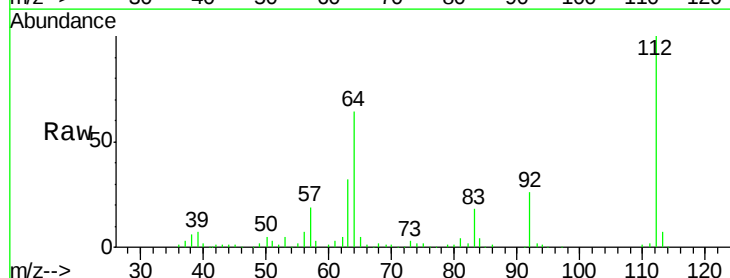
Tot Ion:152 Resp: 163401
Ion Ratio Lower Upper
152 100
150 162.1 124.9 187.3
115 59.7 46.0 69.0

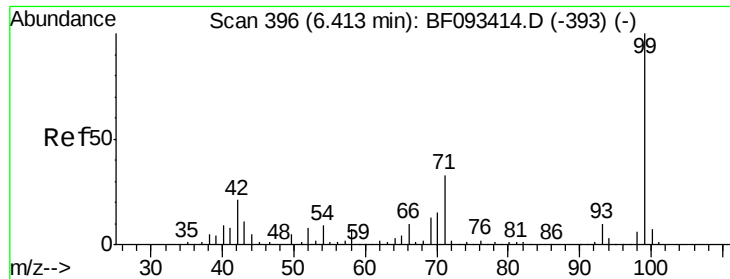


#5

2-Fluorophenol
Concen: 46.36 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Tgt Ion:112 Resp: 455111
Ion Ratio Lower Upper
112 100
64 64.0 46.1 69.1
63 32.5 23.8 35.6





#7

Phenol-d6

Concen: 28.99 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

Instrument :

BNA_M

ClientSampleId :

030917-PRRT-F-D-M

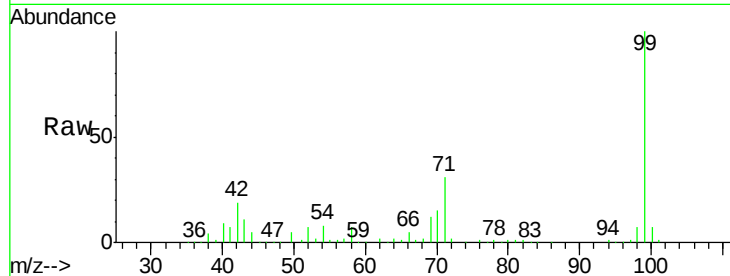
Tot Ion: 99 Resp: 358915

Ion Ratio Lower Upper

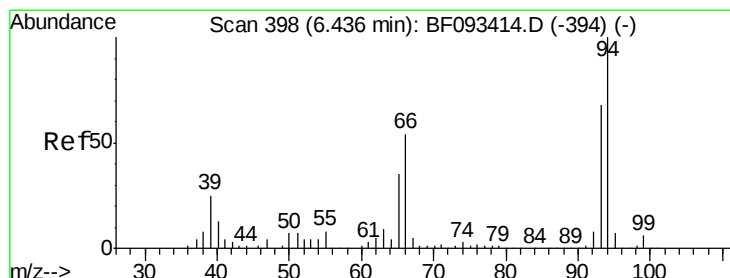
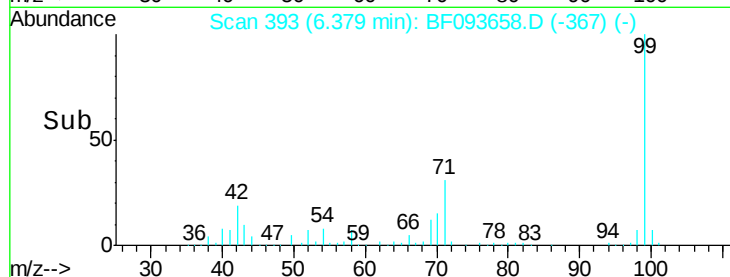
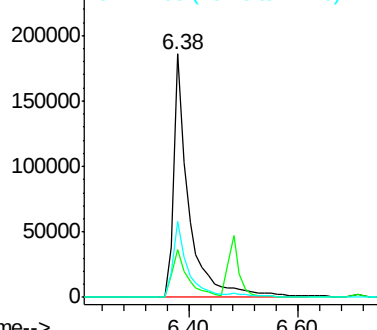
99 100

42 19.4 15.6 23.4

71 31.1 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



#10

Phenol

Concen: 2.38 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

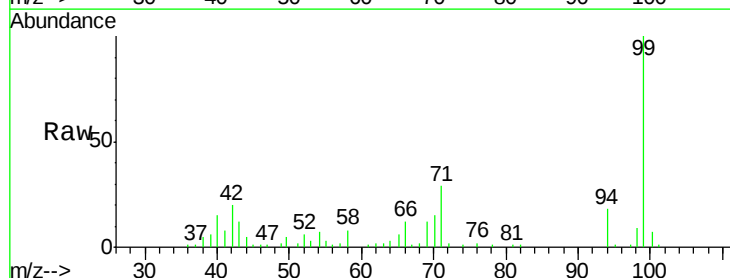
Tgt Ion: 94 Resp: 36086

Ion Ratio Lower Upper

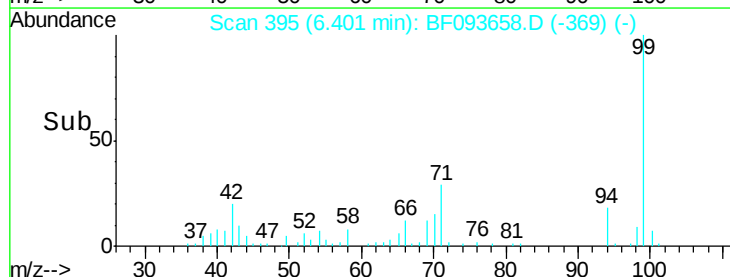
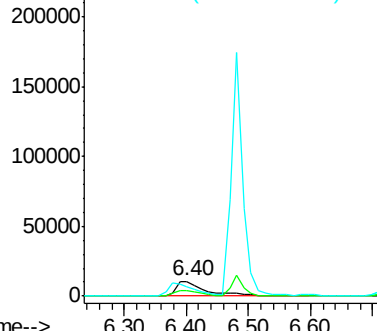
94 100

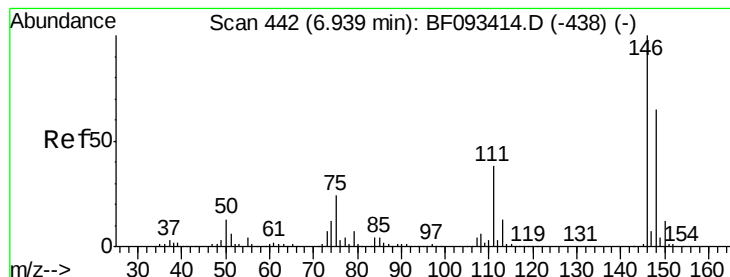
65 34.3 21.4 61.4

66 64.6 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#14

1,2-Dichlorobenzene

Concen: 2.27 ng

RT: 6.88 min Scan# 437

Delta R.T. -0.01 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

Instrument :

BNA_M

ClientSampleId :

030917-PRRT-F-D-M

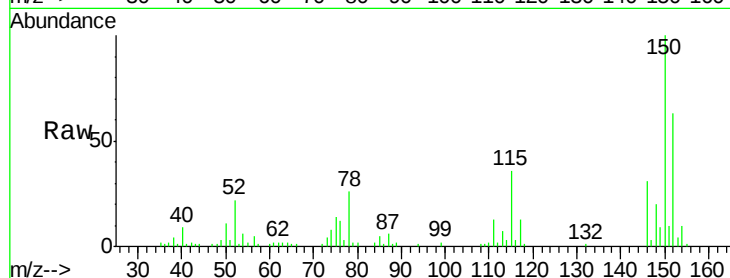
Tot Ion:146 Resp: 25925

Ion Ratio Lower Upper

146 100

148 65.3 52.2 78.2

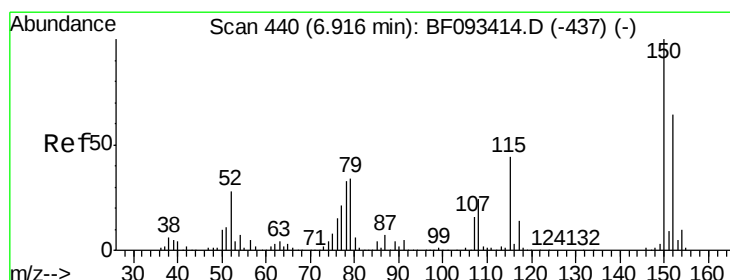
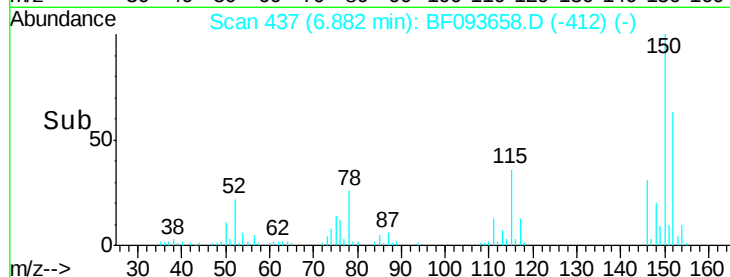
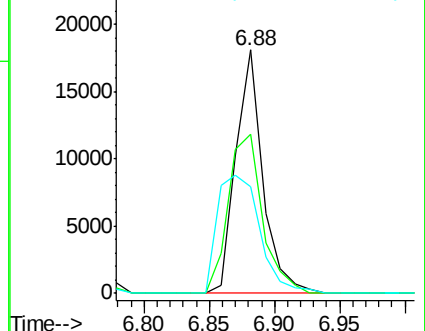
111 43.6 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

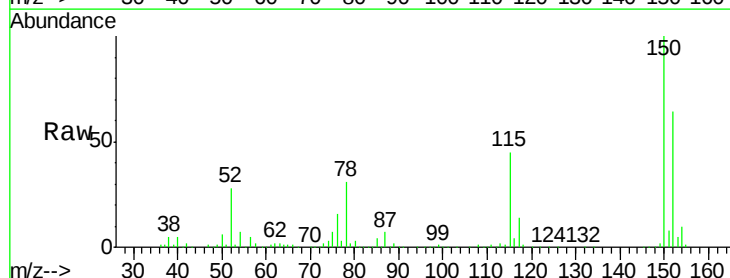
Tgt Ion: 79 Resp: 18589

Ion Ratio Lower Upper

79 100

108 28.1 61.4 92.0#

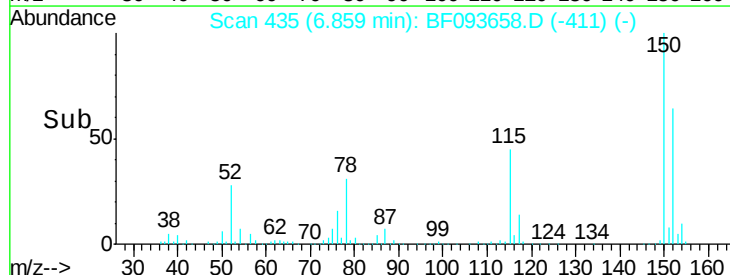
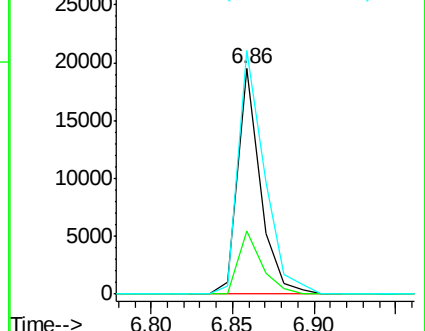
77 108.1 50.9 76.3#

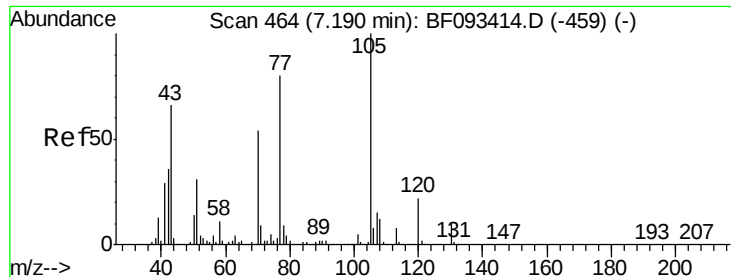


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.02 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

Instrument :

BNA_M

ClientSampleId :

030917-PRRT-F-D-M

Tot Ion: 70 Resp: 153345

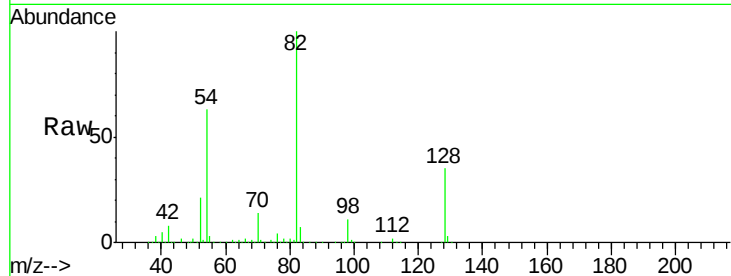
Ion Ratio Lower Upper

70 100

42 56.8 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

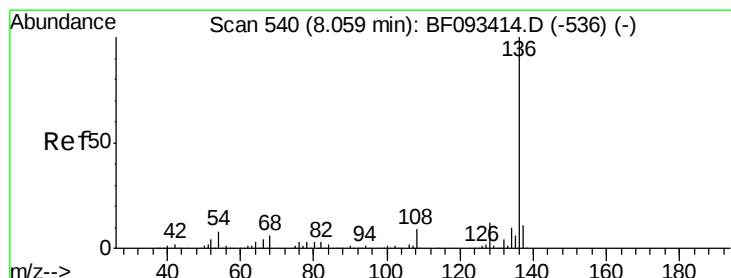
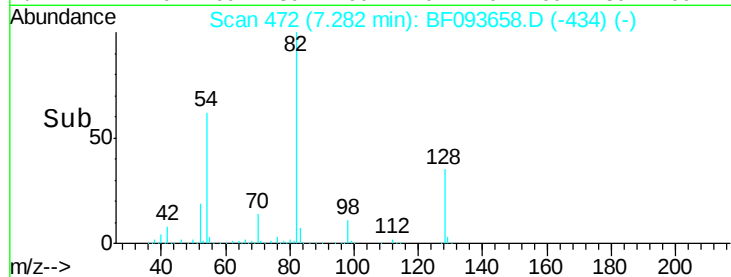
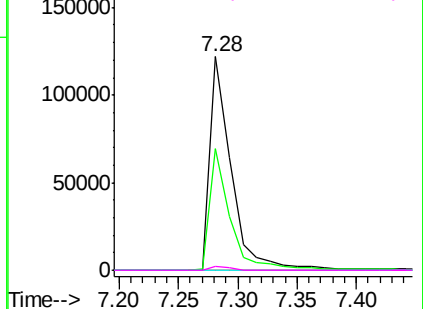


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

Tgt Ion: 136 Resp: 659397

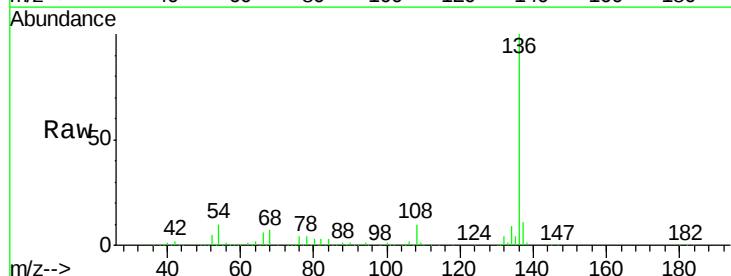
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.8 4.5 6.7#

68 7.1 3.6 5.4#

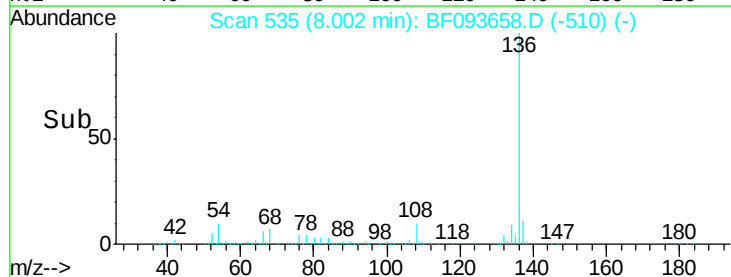
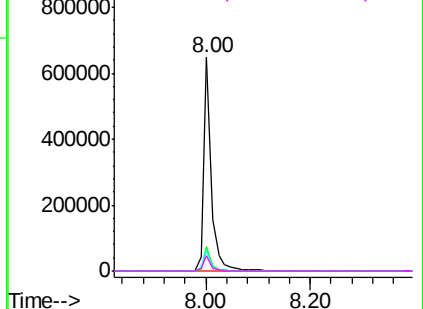


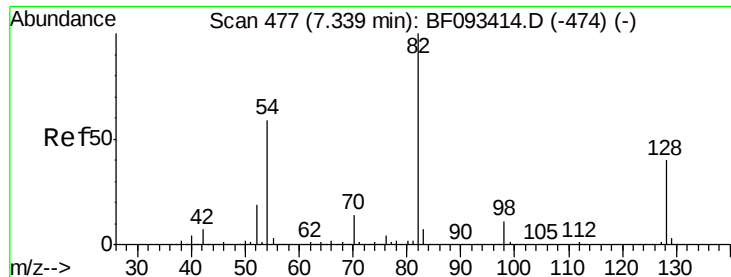
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

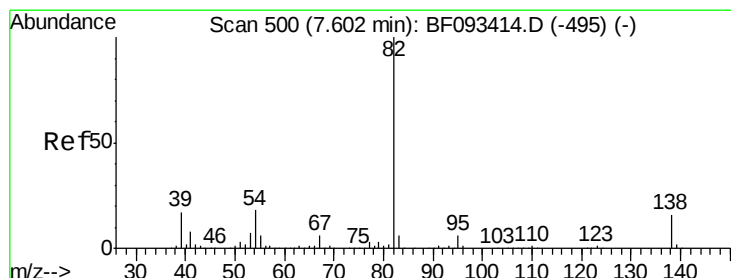
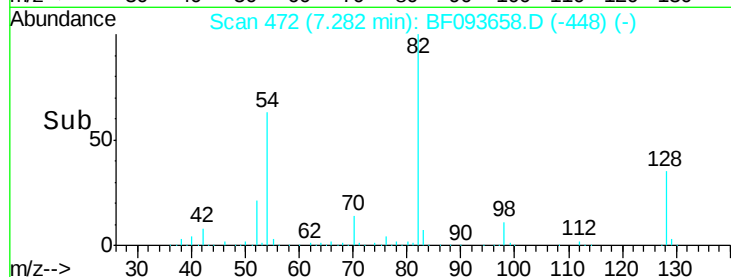
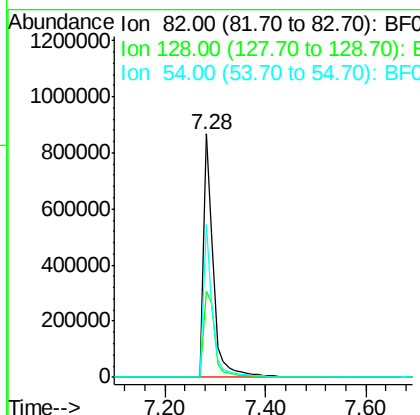
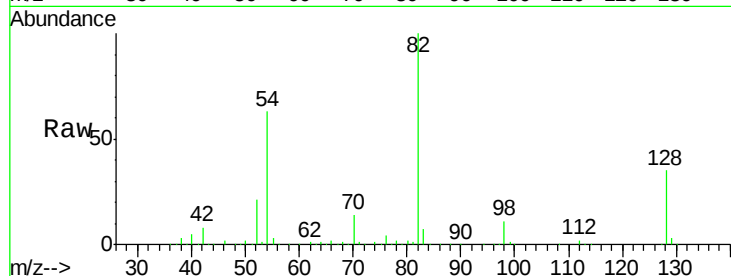




#23
Nitrobenzene-d5
Concen: 97.58 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

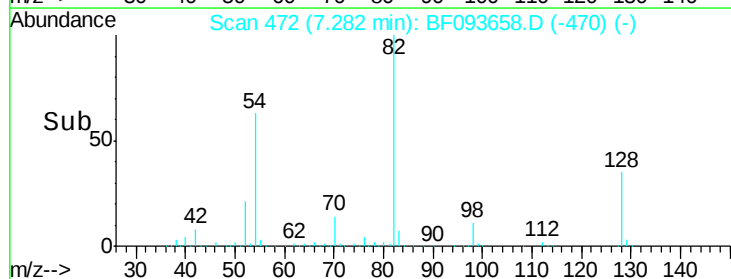
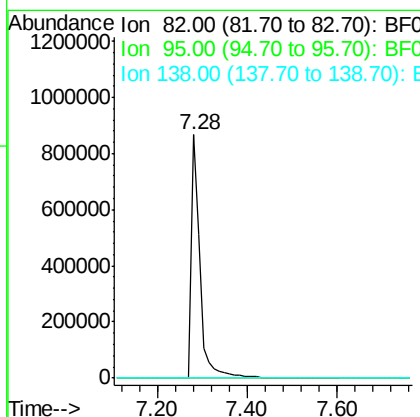
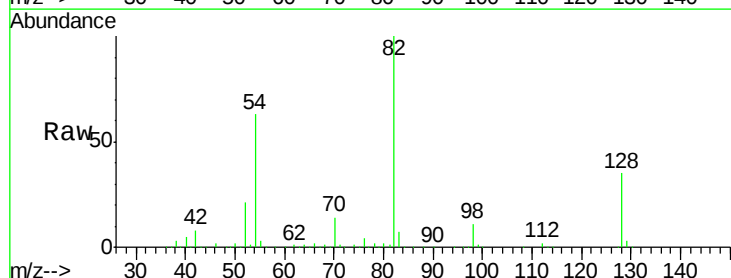
Instrument :
BNA_M
ClientSampleId :
030917-PRRT-F-D-M

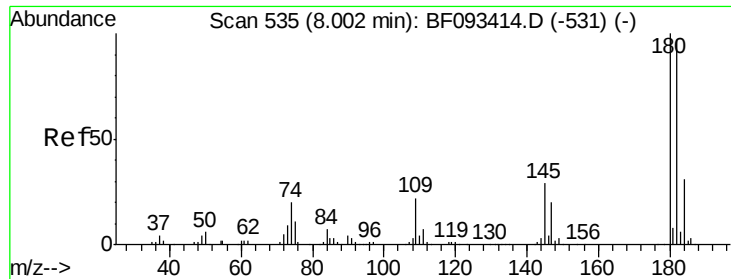
Tot Ion: 82 Resp: 1159638
Ion Ratio Lower Upper
82 100
128 35.5 34.6 52.0
54 62.7 39.5 59.3#



#25
Isophorone
Concen: 48.02 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.27 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Tgt Ion: 82 Resp: 1150746
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#

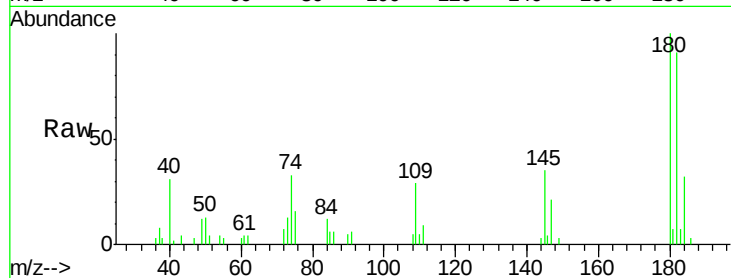




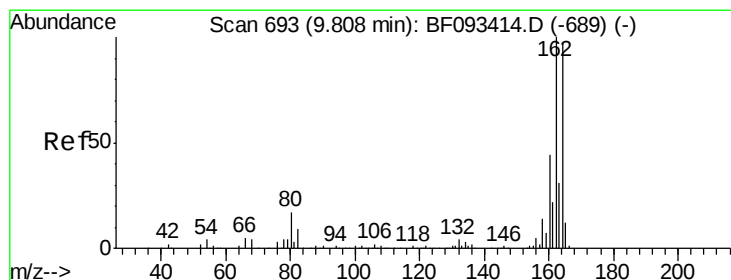
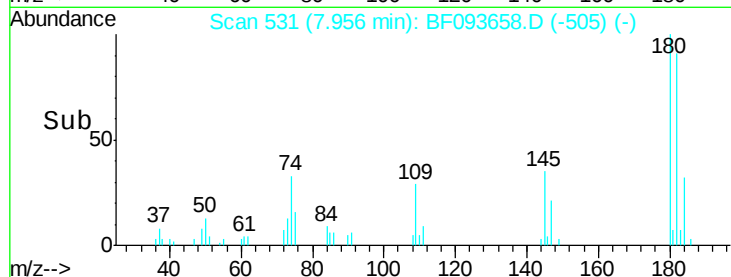
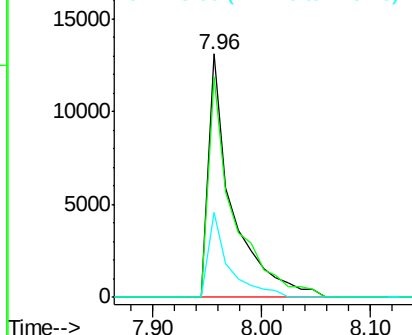
#30
 1,2,4-Trichlorobenzene
 Concen: 2.03 ng
 RT: 7.96 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: BF093658.D
 Acq: 14 Mar 2017 14:59

Instrument :
 BNA_M
 ClientSampleId :
 030917-PRRT-F-D-M

Tot Ion:180 Resp: 20109
 Ion Ratio Lower Upper
 180 100
 182 90.7 78.2 117.4
 145 35.1 21.6 32.4#

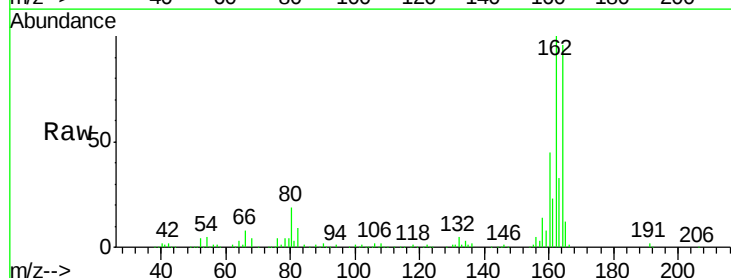


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

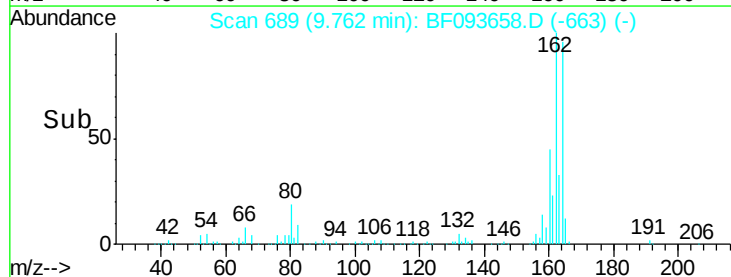
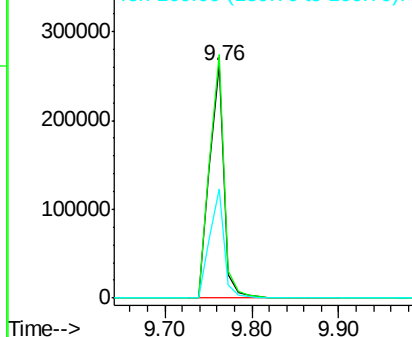


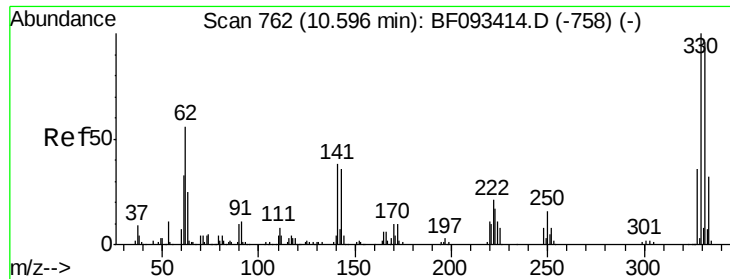
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BF093658.D
 Acq: 14 Mar 2017 14:59

Tgt Ion:164 Resp: 307099
 Ion Ratio Lower Upper
 164 100
 162 104.5 80.2 120.2
 160 46.7 36.9 55.3



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

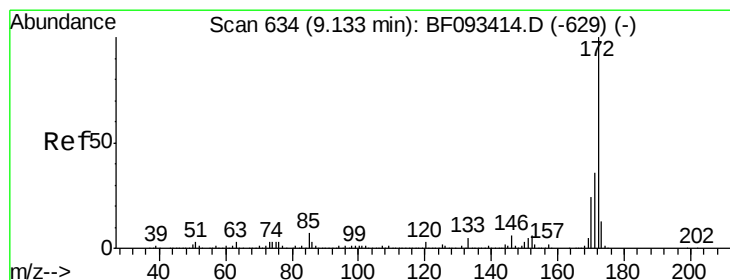
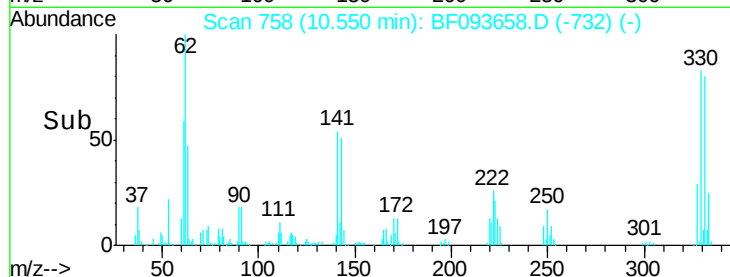
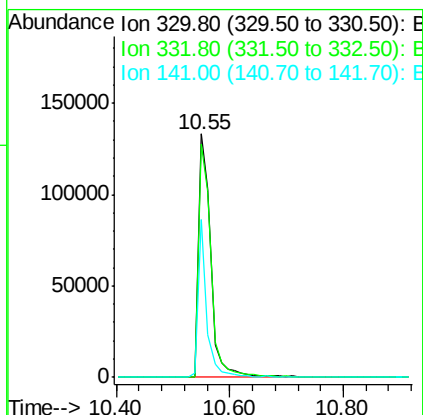
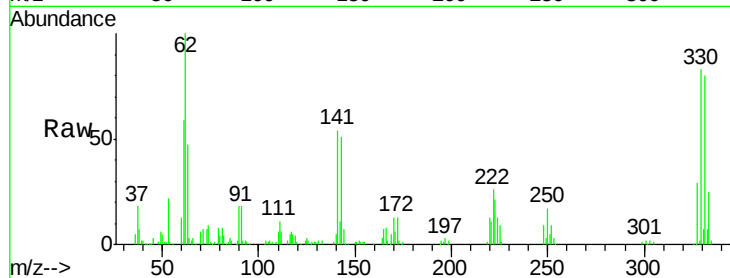




#41
 2,4,6-Tribromophenol
 Concen: 96.53 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF093658.D
 Acq: 14 Mar 2017 14:59

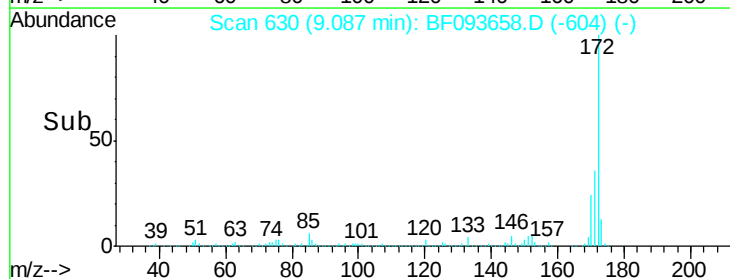
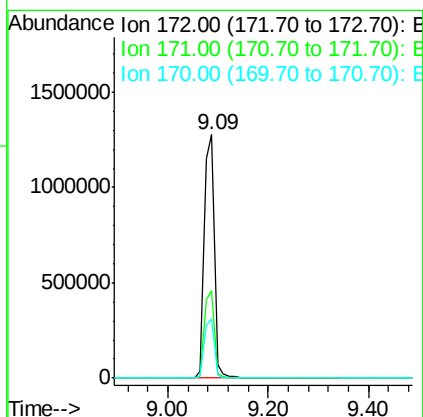
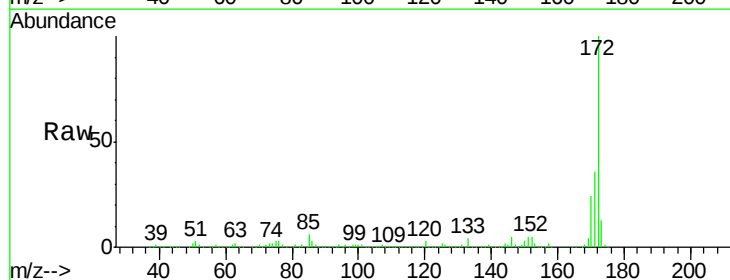
Instrument :
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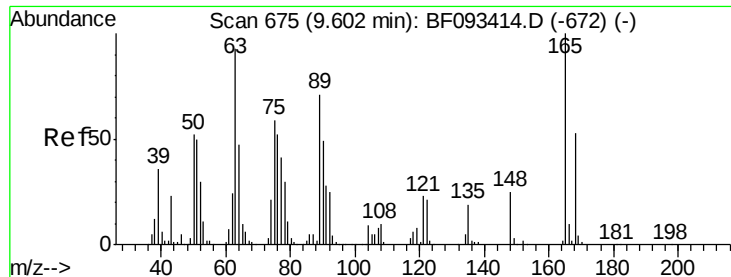
Tot Ion:330 Resp: 193140
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 46.3 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 107.83 ng
 RT: 9.09 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: BF093658.D
 Acq: 14 Mar 2017 14:59

Tgt Ion:172 Resp: 1780348
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.4 20.2 30.4

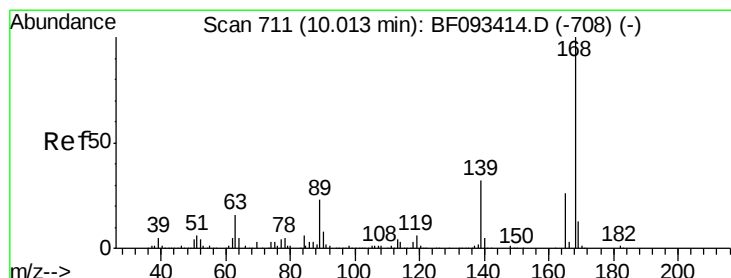
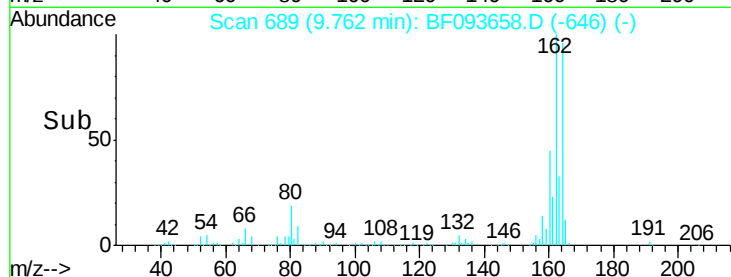
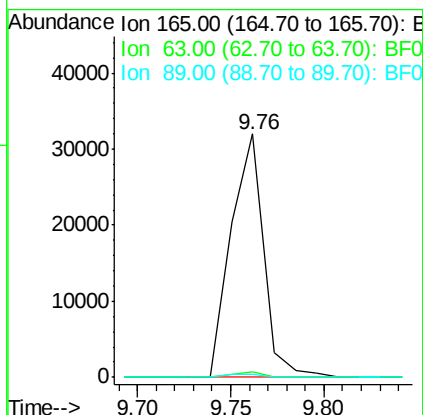
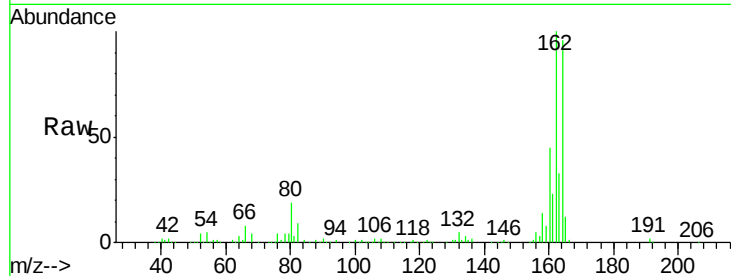




#50
2,6-Dinitrotoluene
Concen: 8.74 ng
RT: 9.76 min Scan# 689
Delta R.T. 0.19 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

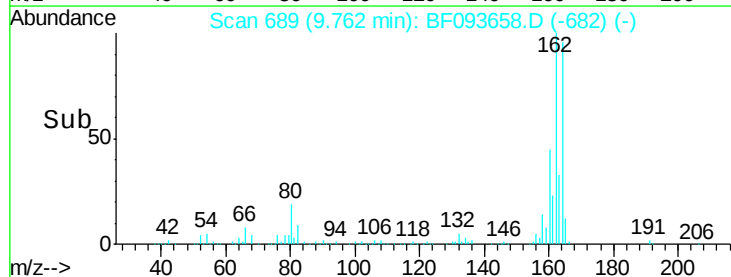
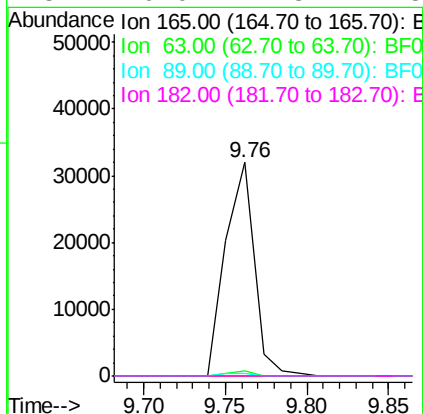
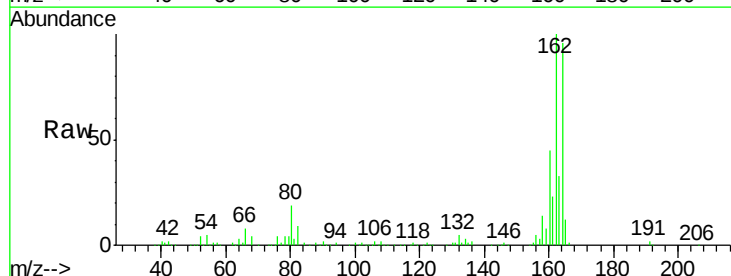
Instrument :
BNA_M
ClientSampleId :
030917-PRRT-F-D-M

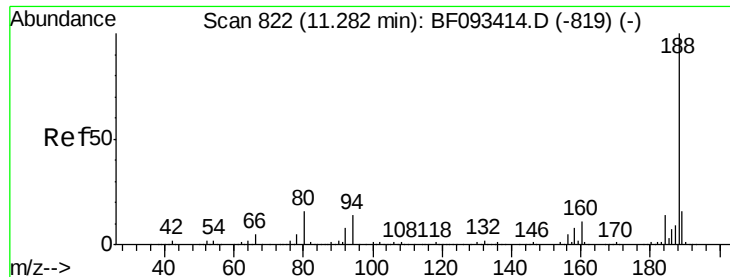
Tot Ion:165 Resp: 39032
Ion Ratio Lower Upper
165 100
63 2.3 36.2 54.4#
89 1.2 40.2 60.4#



#56
2,4-Dinitrotoluene
Concen: 7.11 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.22 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Tgt Ion:165 Resp: 39034
Ion Ratio Lower Upper
165 100
63 2.3 40.2 60.4#
89 1.2 62.5 93.7#
182 0.0 1.8 2.8#

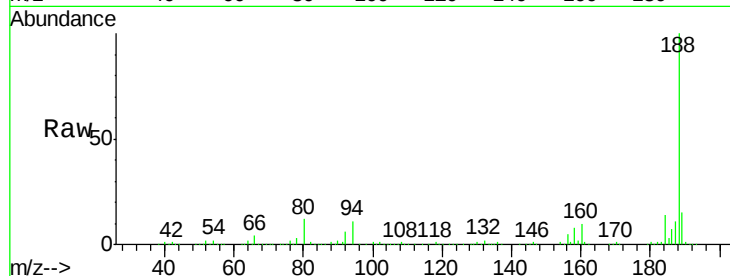




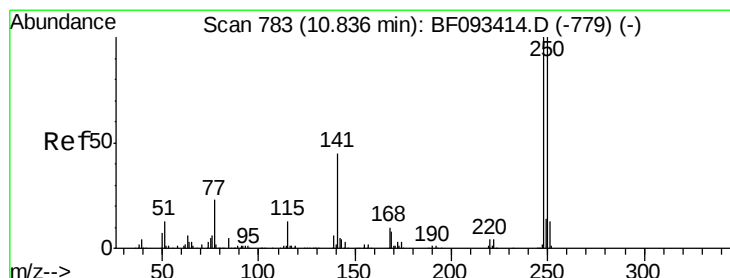
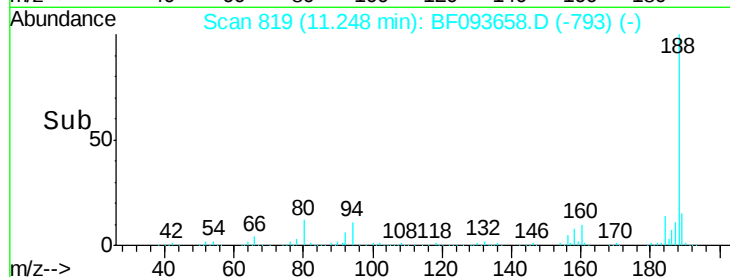
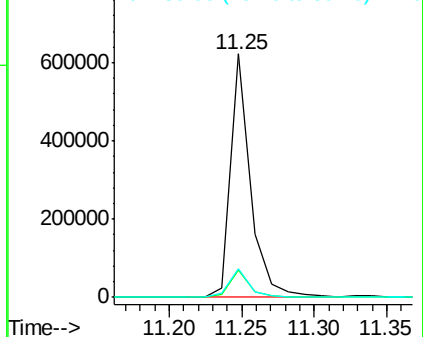
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Instrument :
BNA_M
ClientSampleId :
030917-PRRT-F-D-M

Tot Ion:188 Resp: 596452
Ion Ratio Lower Upper
188 100
94 11.2 10.0 15.0
80 11.8 11.2 16.8

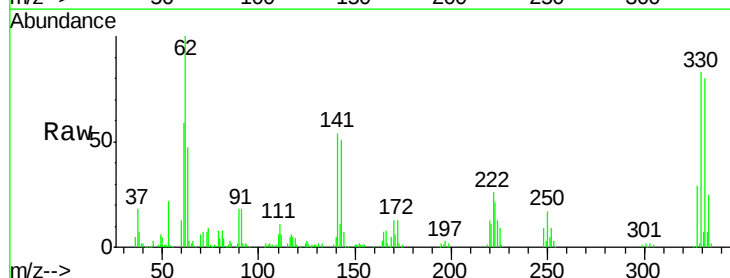


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

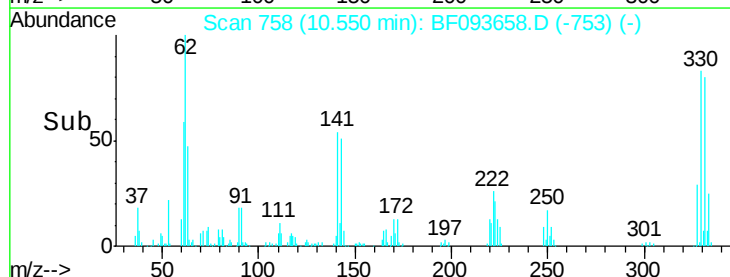
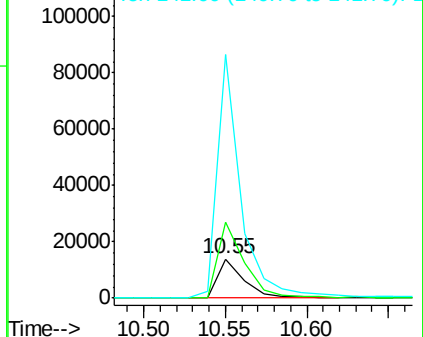


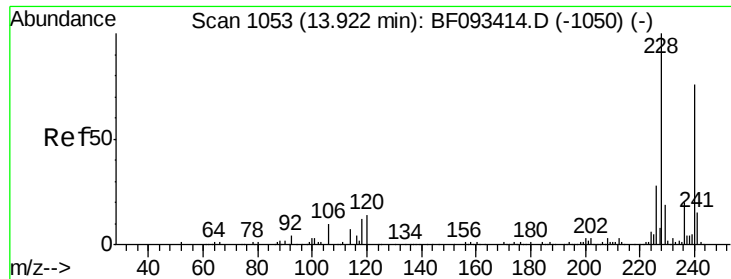
#66
4-Bromophenyl-phenylether
Concen: 2.44 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Tgt Ion:248 Resp: 15367
Ion Ratio Lower Upper
248 100
250 192.2 76.9 115.3#
141 619.6 68.2 102.4#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

Instrument :

BNA_M

ClientSampleId :

030917-PRRT-F-D-M

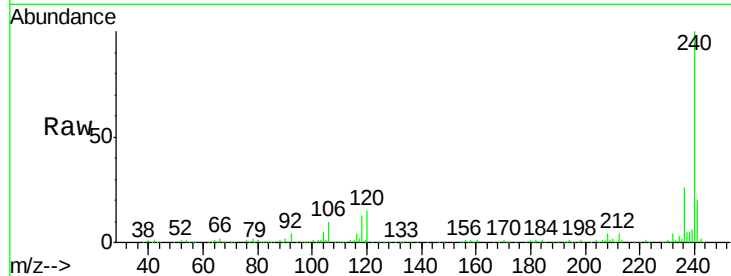
Tot Ion:240 Resp: 455264

Ion Ratio Lower Upper

240 100

120 15.1 12.9 19.3

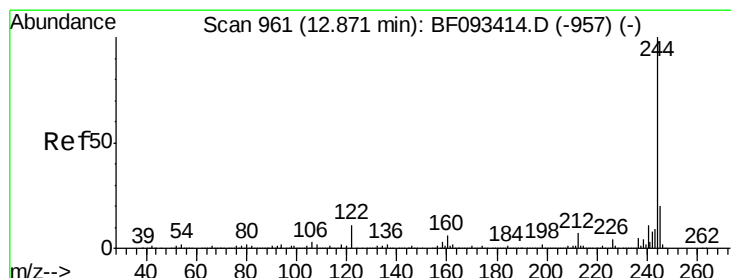
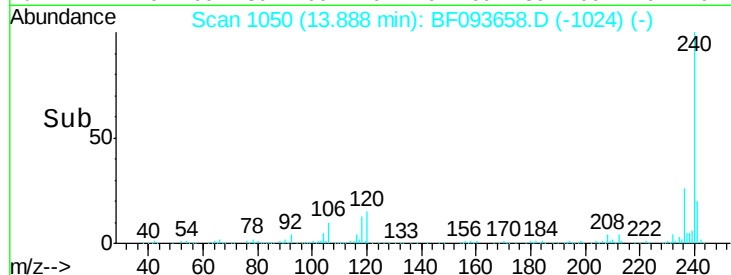
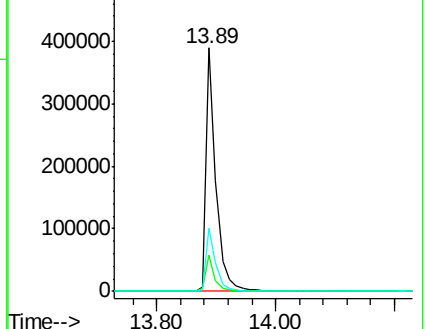
236 25.7 20.9 31.3



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: 78.24 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093658.D

Acq: 14 Mar 2017 14:59

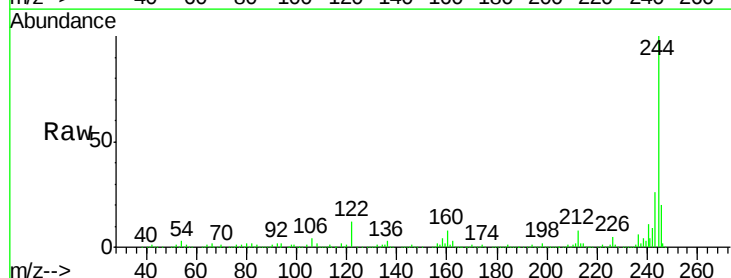
Tgt Ion:244 Resp: 1369956

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

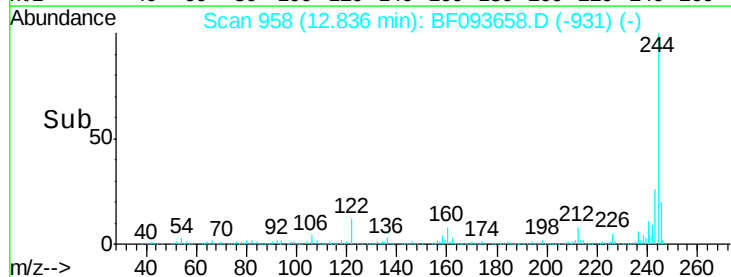
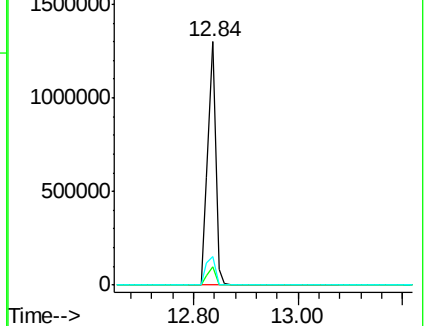
122 11.6 11.4 17.2

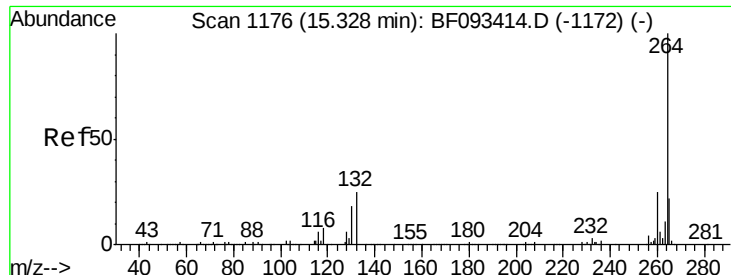


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

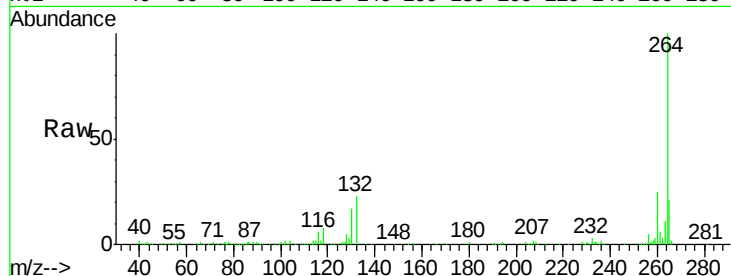




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093658.D
Acq: 14 Mar 2017 14:59

Instrument :
BNA_M
ClientSampleId :
030917-PRRT-F-D-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.4	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

