

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093646.D
 Acq On : 14 Mar 2017 9:25
 Operator : SJ/MA
 Sample : I2201-22
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 15 02:29:59 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

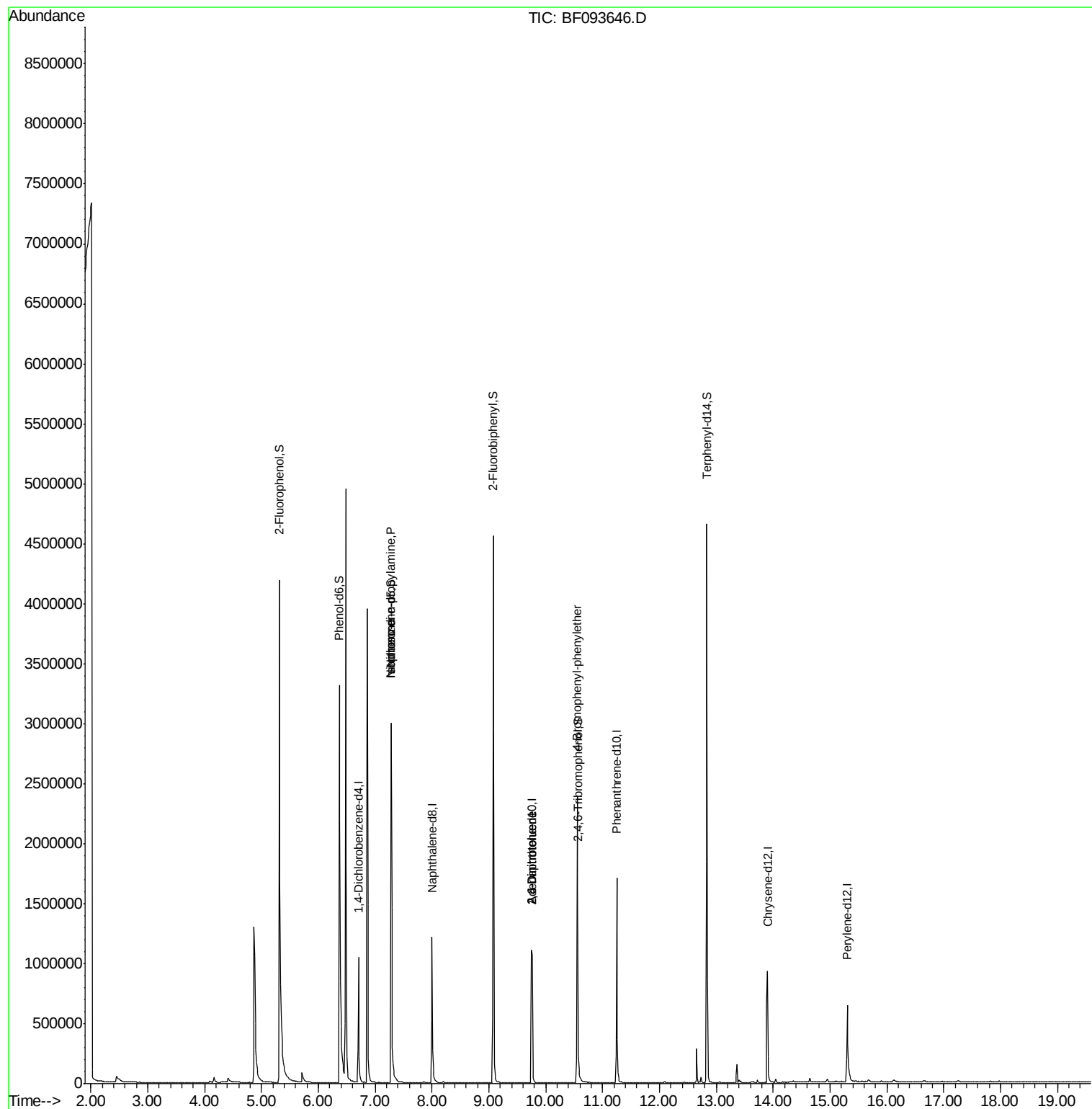
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	178647	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	726600	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	342653	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	669931	20.00	ng	0.00
75) Chrysene-d12	13.90	240	488421	20.00	ng	0.01
86) Perylene-d12	15.31	264	342948	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1637749	152.58	ng	0.00
7) Phenol-d6	6.37	99	1971383	145.64	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1244566	95.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	405324	181.56	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1979802	107.47	ng	-0.01
78) Terphenyl-d14	12.84	244	1647966	87.72	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	2112	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	162920	17.51	ng	# 83
25) Isophorone	7.28	82	1222684	46.30	ng	# 65
50) 2,6-Dinitrotoluene	9.75	165	42420	8.51	ng	# 31
56) 2,4-Dinitrotoluene	9.75	165	42421	6.93	ng	# 20
66) 4-Bromophenyl-phenylether	10.55	248	28328	4.00	ng	# 1

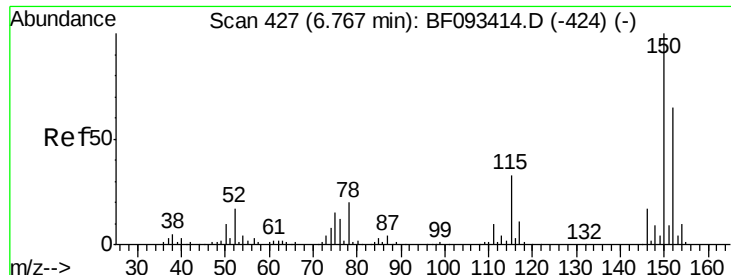
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093646.D

Acq: 14 Mar 2017 9:25

Instrument :

BNA_M

ClientSampleId :

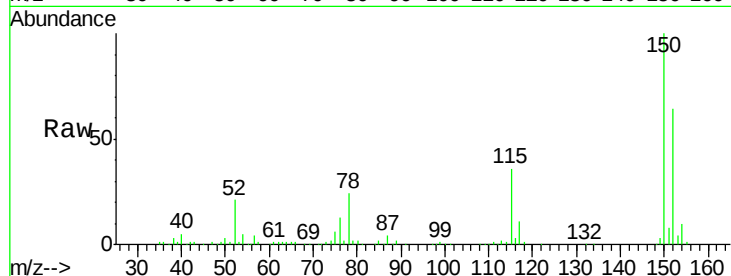
Tot Ion:152 Resp: 178647

Ion Ratio Lower Upper

152 100

150 157.3 124.9 187.3

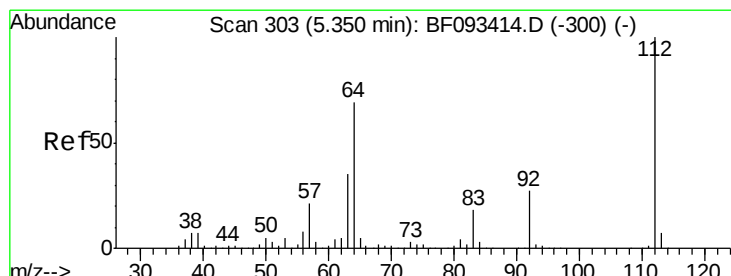
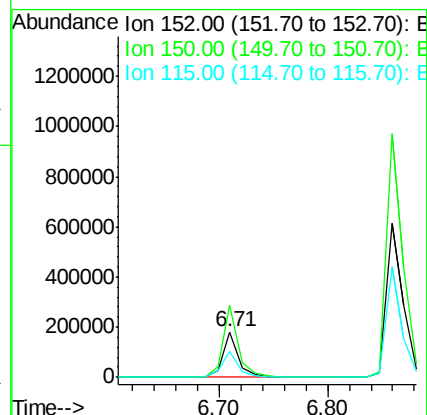
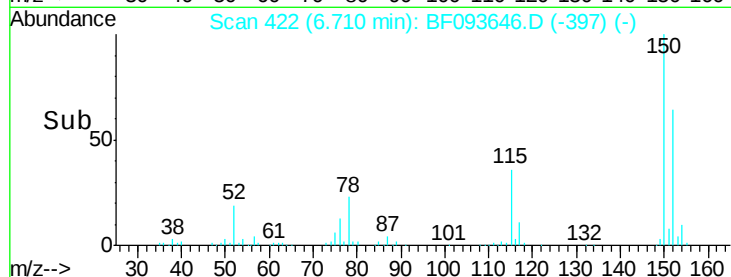
115 57.3 46.0 69.0



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: 152.58 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

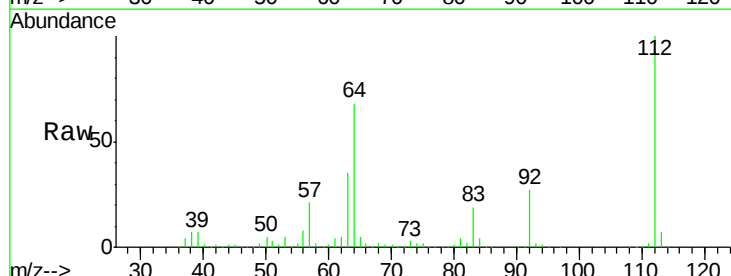
Tgt Ion:112 Resp: 1637749

Ion Ratio Lower Upper

112 100

64 67.8 46.1 69.1

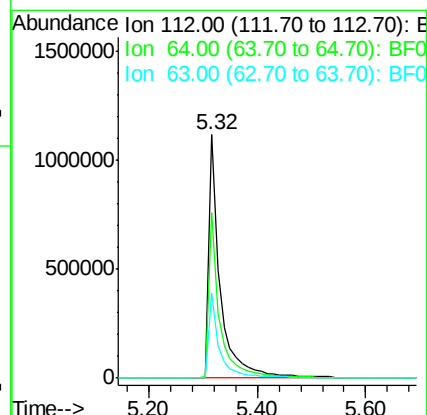
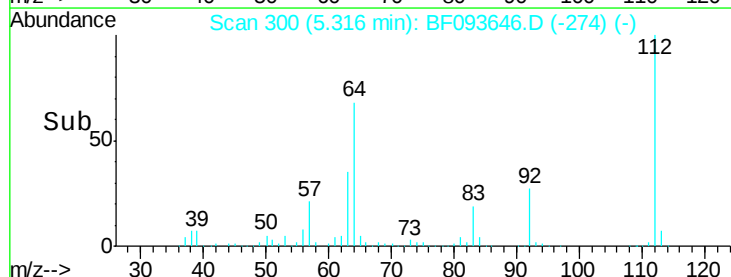
63 34.8 23.8 35.6

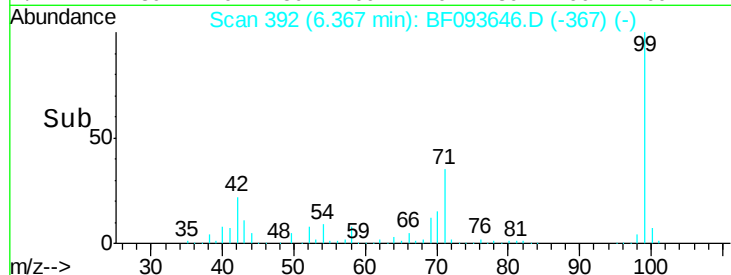
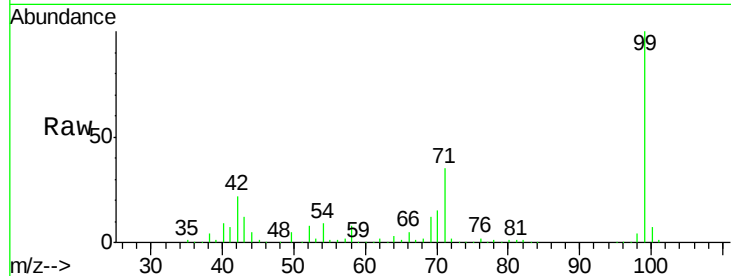
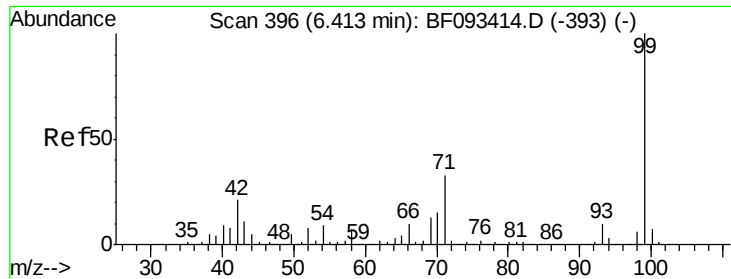


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.64 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

Instrument :

BNA_M

ClientSampled :

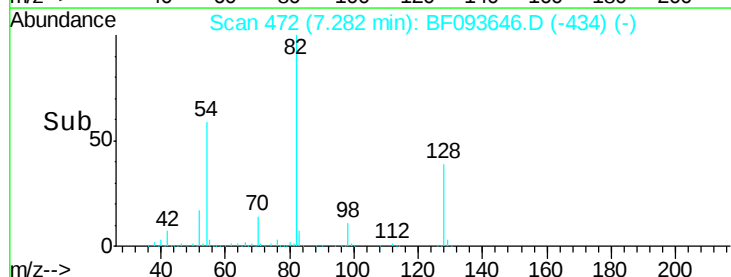
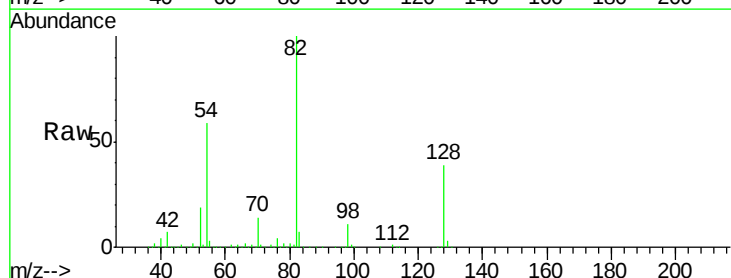
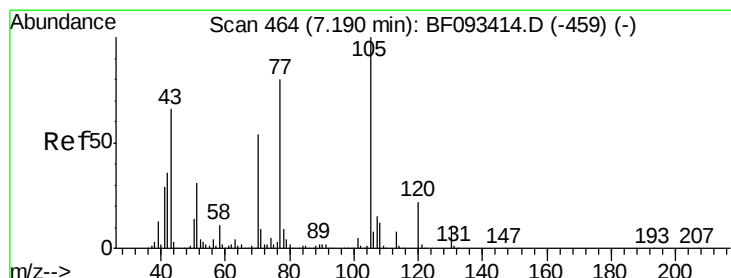
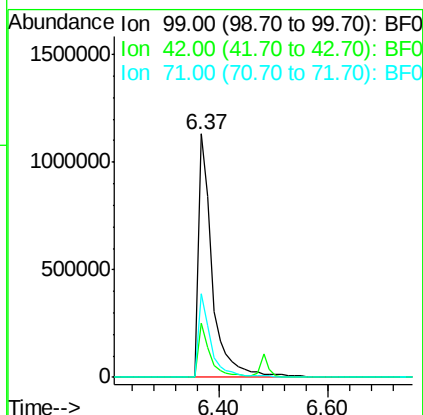
Tot Ion: 99 Resp: 1971383

Ion Ratio Lower Upper

99 100

42 22.3 15.6 23.4

71 34.6 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.51 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

Tgt Ion: 70 Resp: 162920

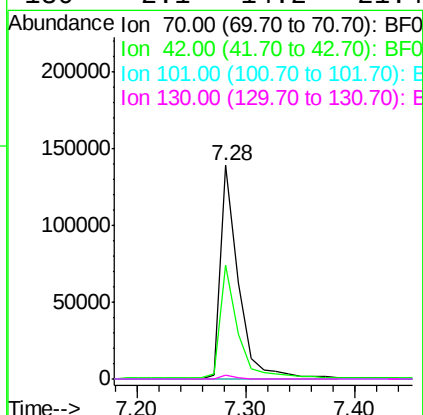
Ion Ratio Lower Upper

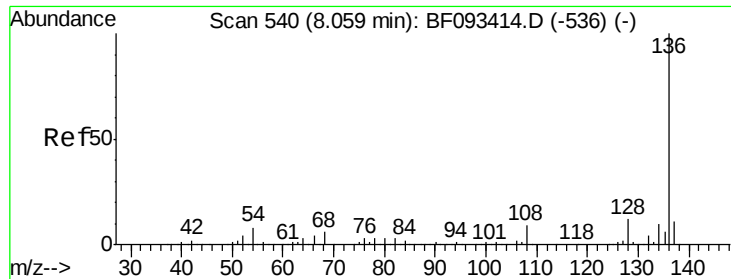
70 100

42 53.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

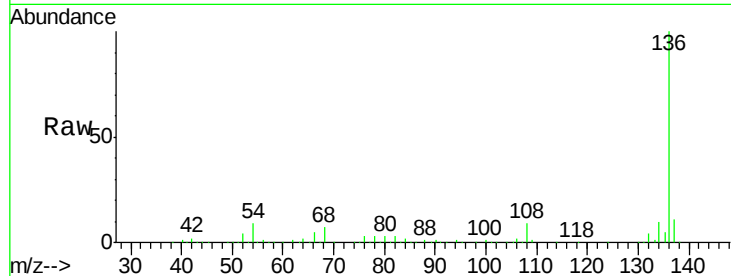




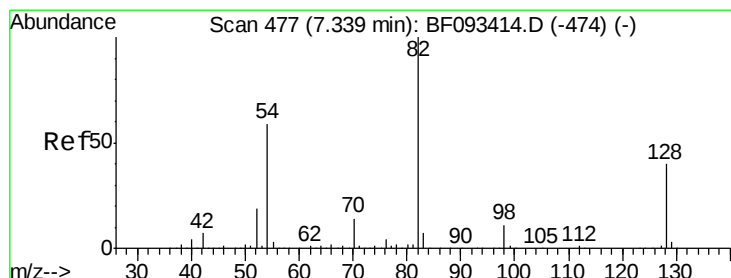
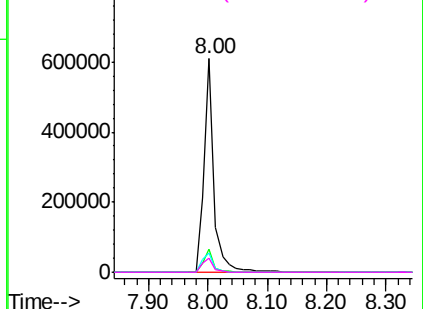
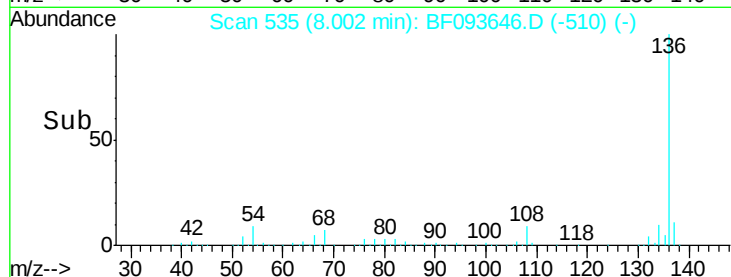
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

Instrument :
BNA_M
ClientSampled :

Tot Ion:136	Resp:	726600
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.4 12.6
54	8.7	4.5 6.7#
68	6.6	3.6 5.4#

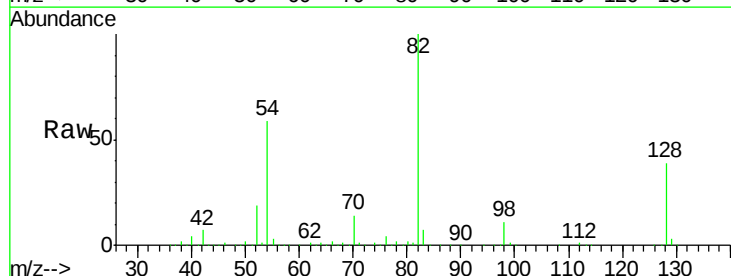


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

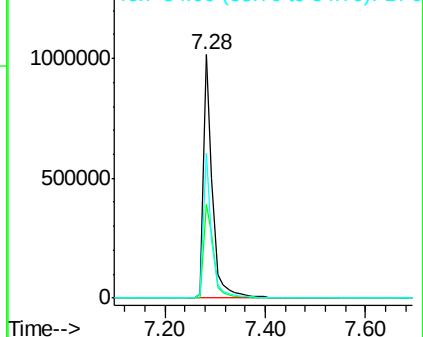
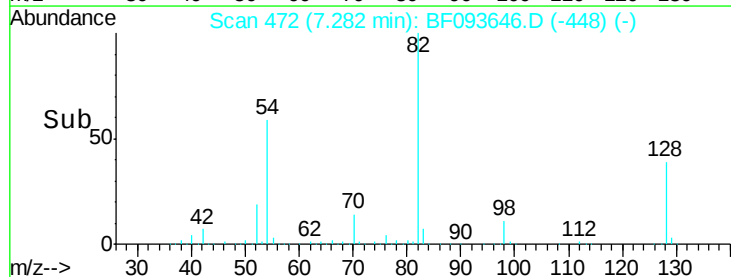


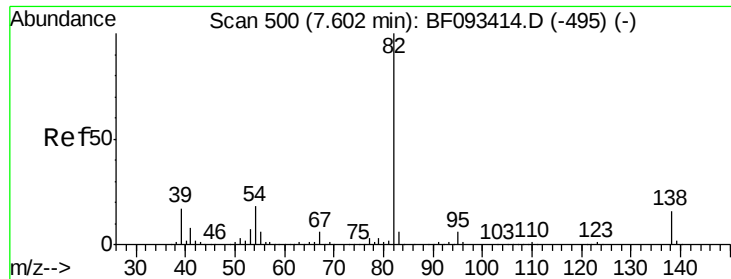
#23
Nitrobenzene-d5
Concen: 95.04 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

Tgt Ion: 82	Resp:	1244566
Ion Ratio	Lower	Upper
82	100	
128	38.7	34.6 52.0
54	59.4	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





#25

Isophorone

Concen: 46.30 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

Instrument :

BNA_M

ClientSampled :

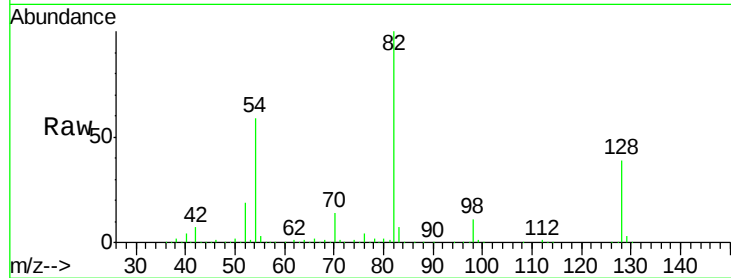
Tot Ion: 82 Resp: 1222684

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

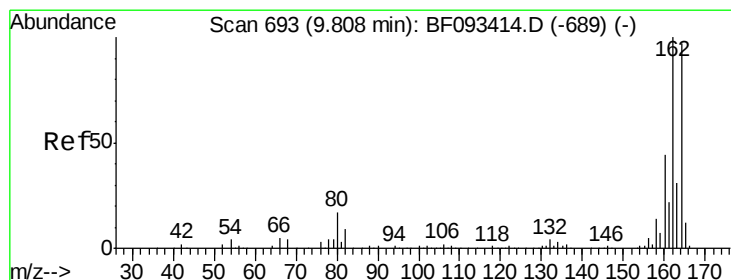
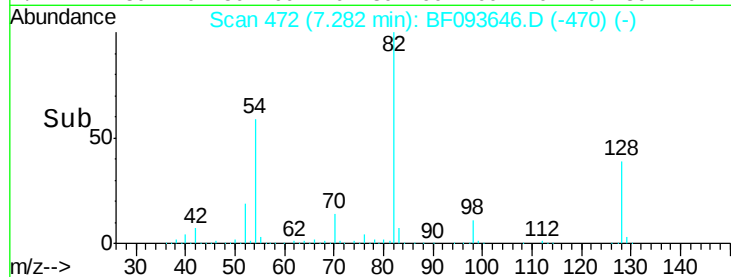
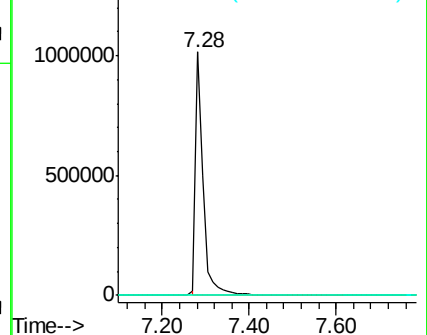
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

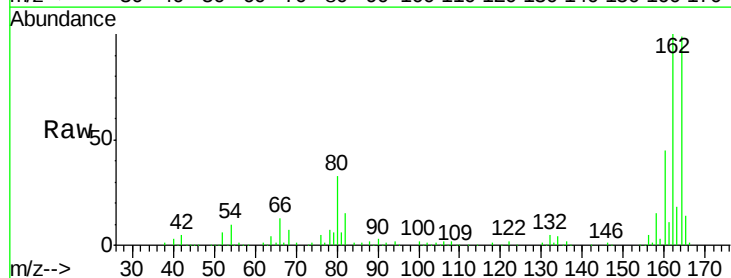
Tgt Ion: 164 Resp: 342653

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

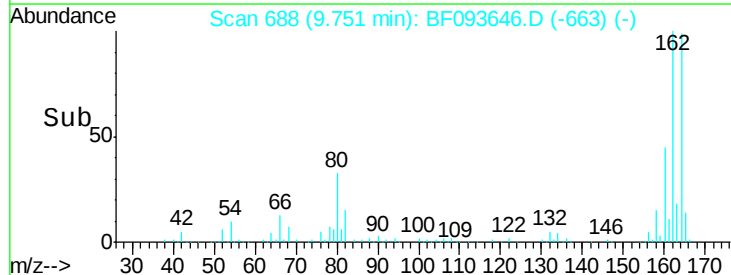
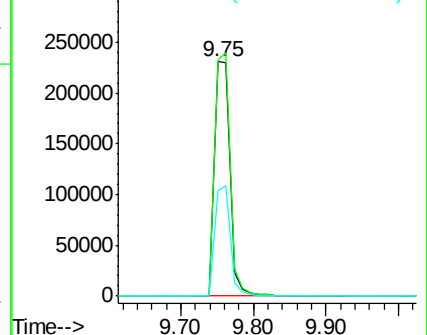
160 45.0 36.9 55.3

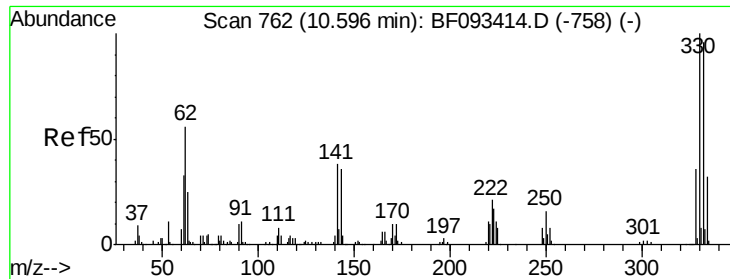


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

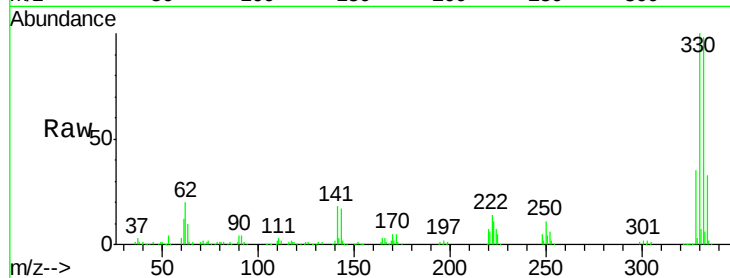




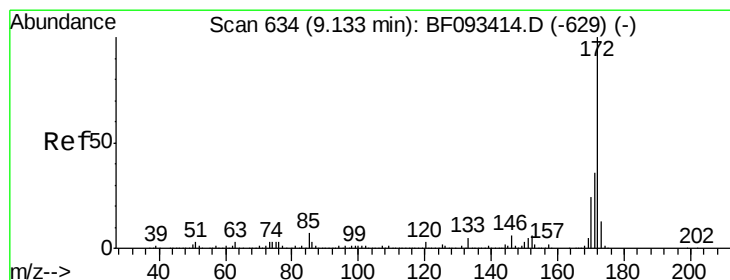
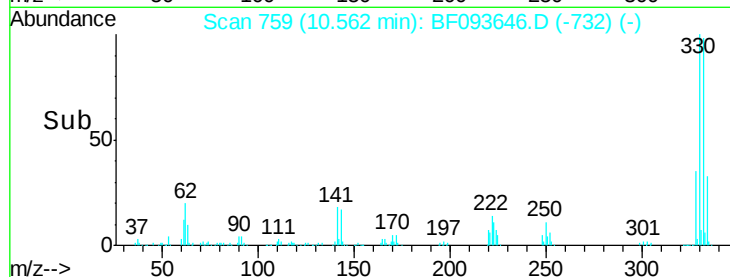
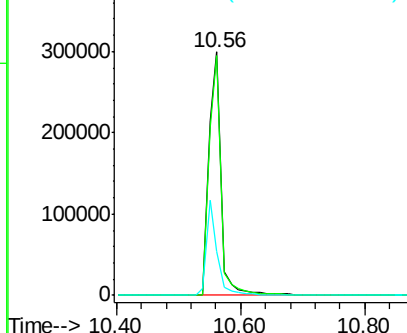
#41
 2,4,6-Tribromophenol
 Concen: 181.56 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093646.D
 Acq: 14 Mar 2017 9:25

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 405324
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 34.7 34.1 51.1

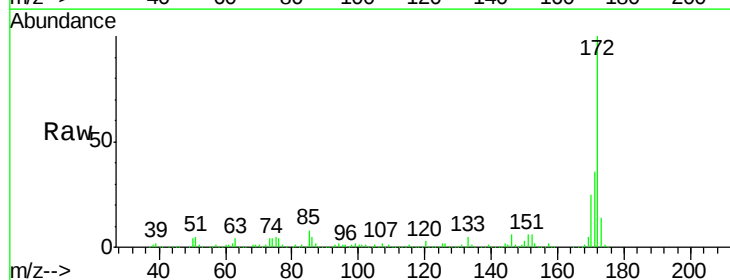


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

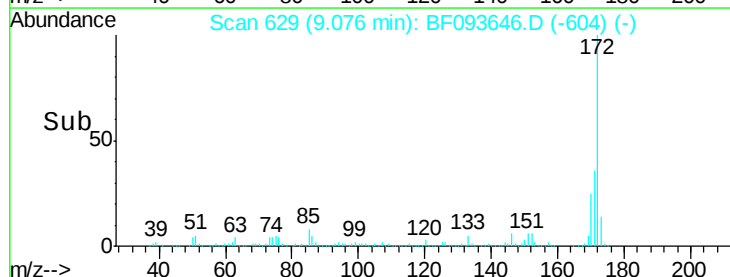
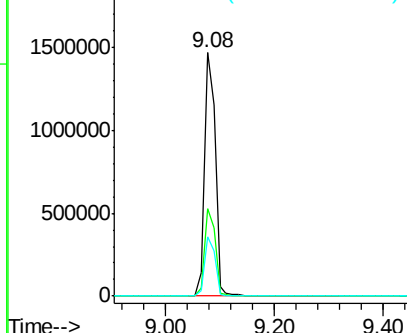


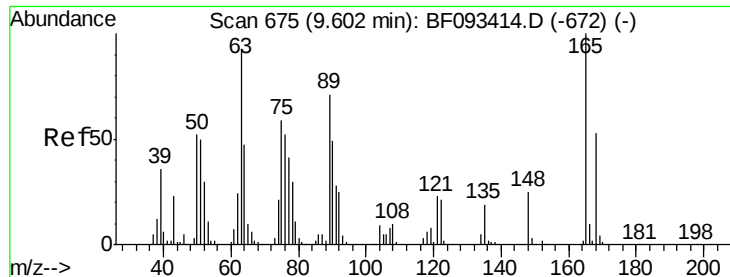
#44
 2-Fluorobiphenyl
 Concen: 107.47 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093646.D
 Acq: 14 Mar 2017 9:25

Tgt Ion:172 Resp: 1979802
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.6 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

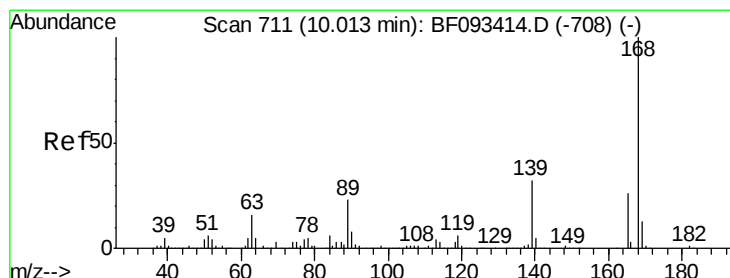
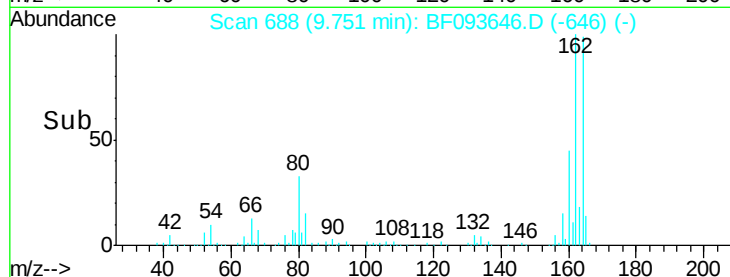
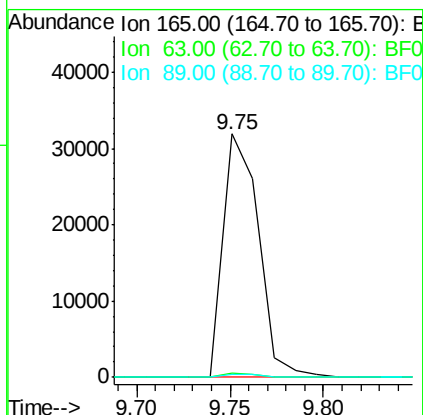
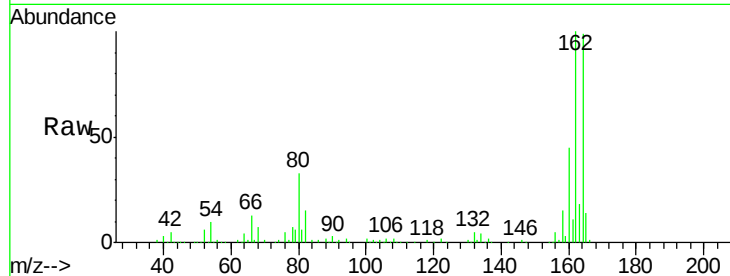




#50
2,6-Dinitrotoluene
Concen: 8.51 ng
RT: 9.75 min Scan# 688
Delta R.T. 0.18 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

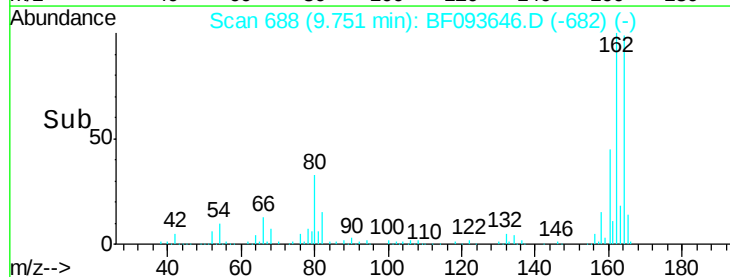
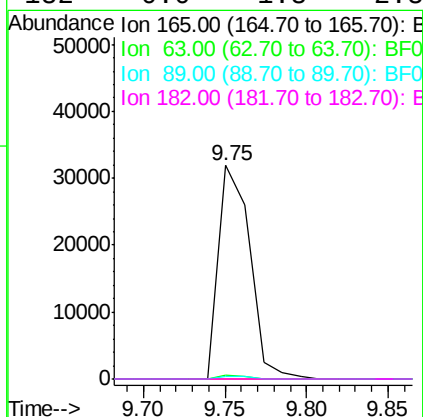
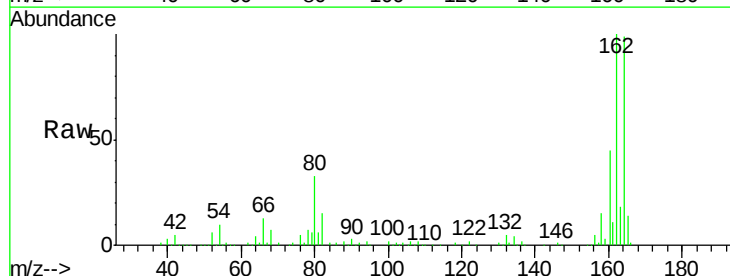
Instrument :
BNA_M
ClientSampleId :

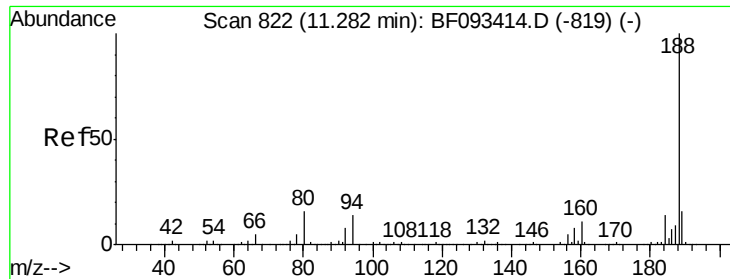
Tot Ion:165 Resp: 42420
Ion Ratio Lower Upper
165 100
63 1.7 36.2 54.4#
89 1.3 40.2 60.4#



#56
2,4-Dinitrotoluene
Concen: 6.93 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.23 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

Tgt Ion:165 Resp: 42421
Ion Ratio Lower Upper
165 100
63 1.7 40.2 60.4#
89 1.3 62.5 93.7#
182 0.0 1.8 2.8#

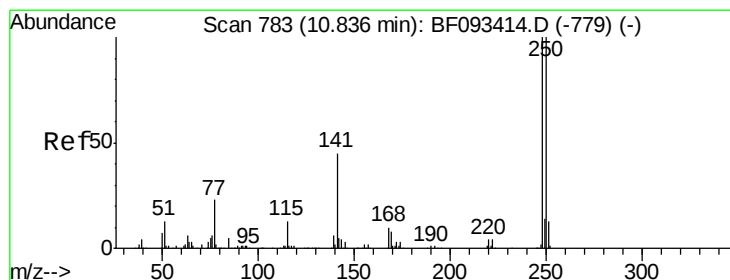
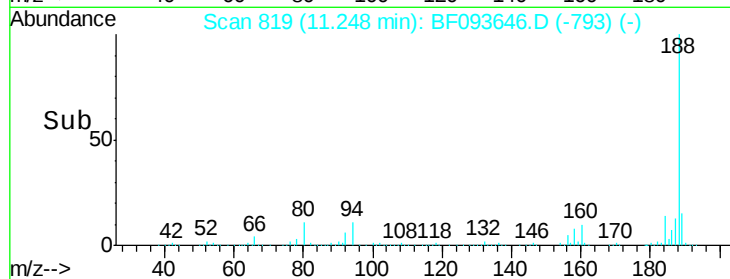
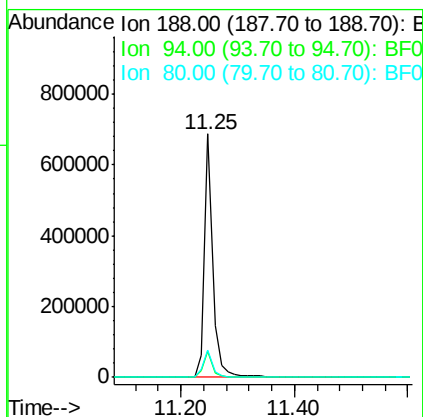
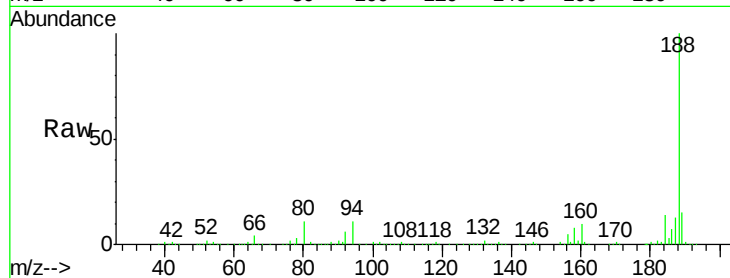




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

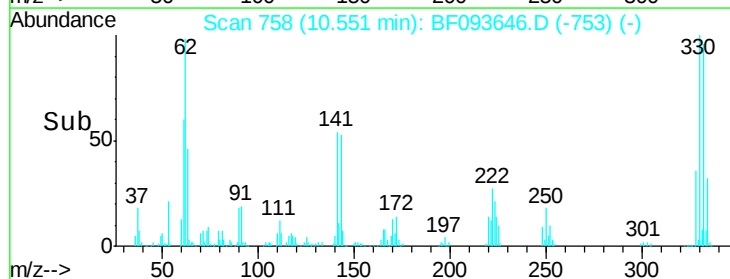
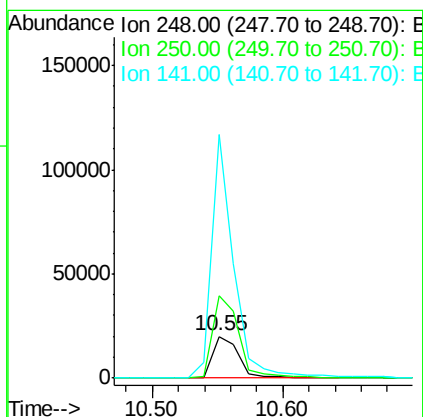
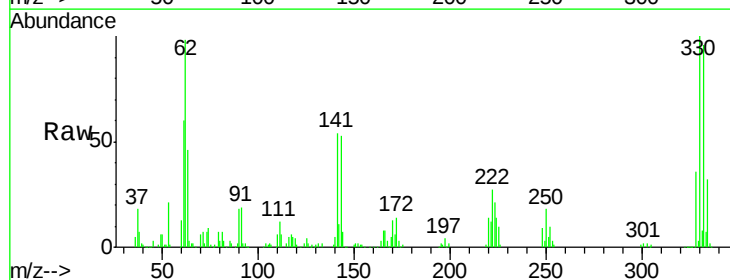
Instrument :
BNA_M
ClientSampleId :

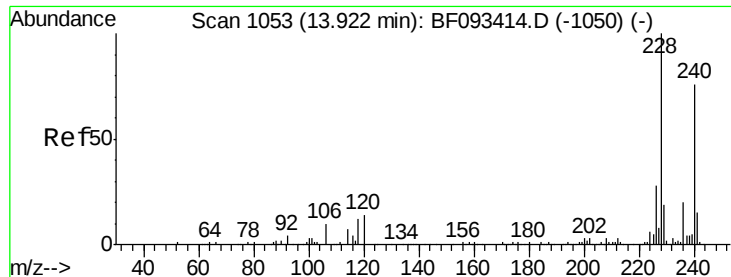
Tot Ion:188 Resp: 669931
Ion Ratio Lower Upper
188 100
94 10.7 10.0 15.0
80 11.3 11.2 16.8



#66
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

Tgt Ion:248 Resp: 28328
Ion Ratio Lower Upper
248 100
250 195.0 76.9 115.3#
141 579.8 68.2 102.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

Instrument :

BNA_M

ClientSampleId :

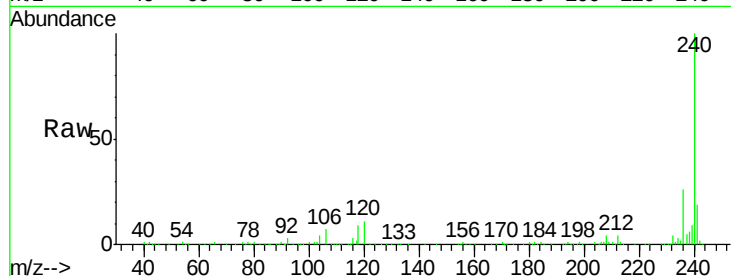
Tot Ion:240 Resp: 488421

Ion Ratio Lower Upper

240 100

120 10.5 12.9 19.3#

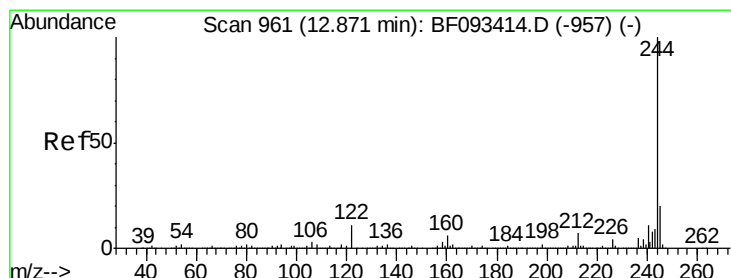
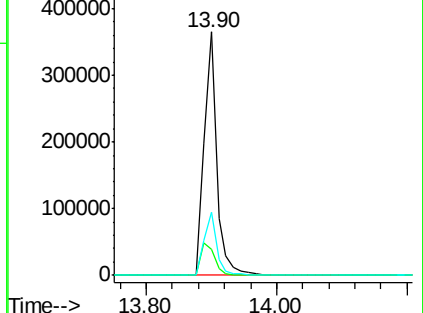
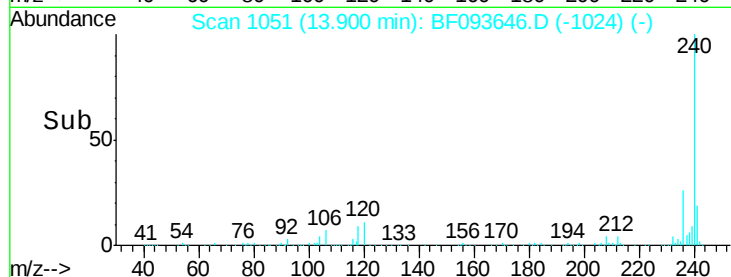
236 26.1 20.9 31.3



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: 87.72 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093646.D

Acq: 14 Mar 2017 9:25

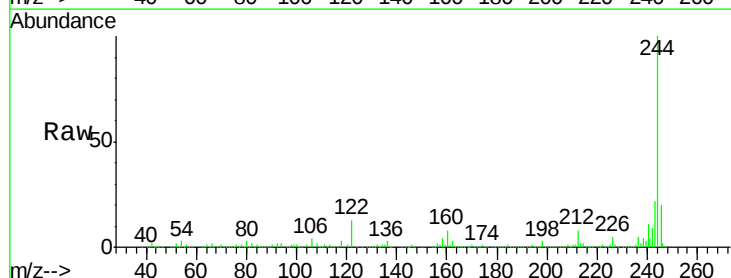
Tgt Ion:244 Resp: 1647966

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

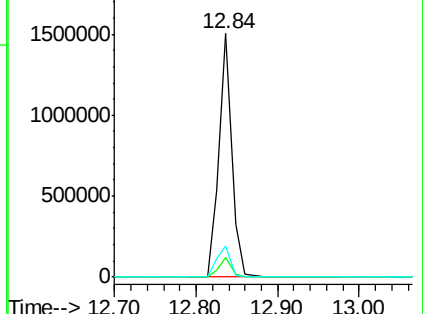
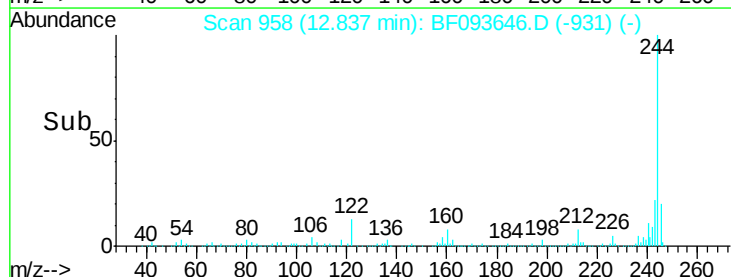
122 12.7 11.4 17.2

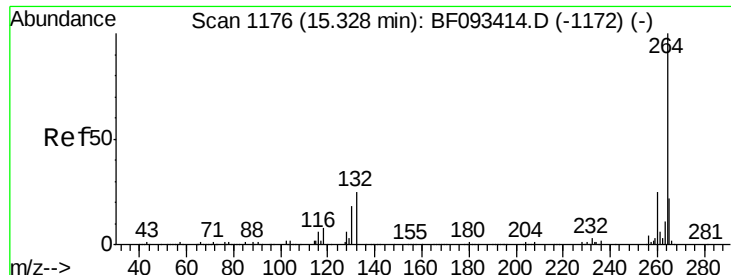


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



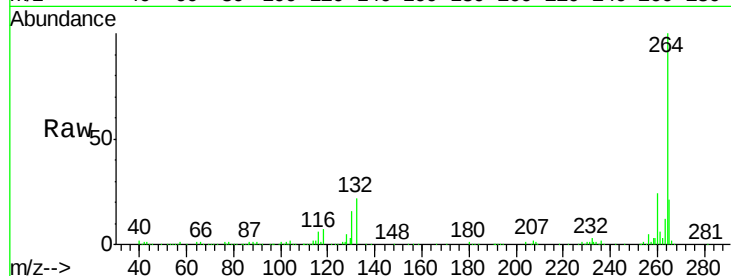


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF093646.D
Acq: 14 Mar 2017 9:25

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 264 Resp: 342948

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.3	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

