

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093660.D
 Acq On : 14 Mar 2017 15:54
 Operator : SJ/MA
 Sample : I2174-19RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D-64

Quant Time: Mar 15 02:34:19 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

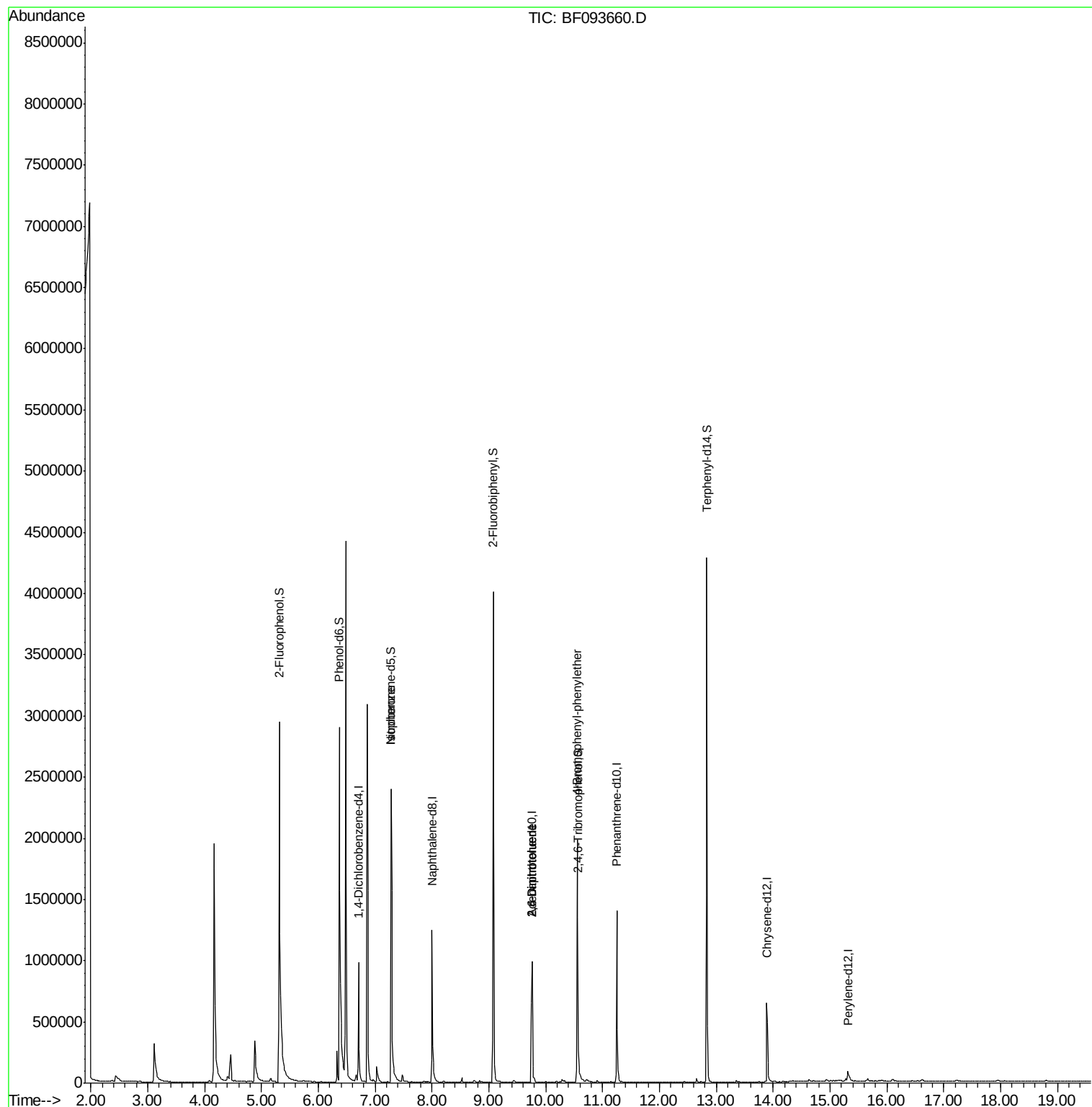
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	159680	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	616038	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	240727	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	546139	20.00	ng	0.00
75) Chrysene-d12	13.89	240	321408	20.00	ng	0.00
86) Perylene-d12	15.32	264	34563	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1311822	136.73	ng	0.00
7) Phenol-d6	6.37	99	1626882	134.47	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1131647	101.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	303064	193.23	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1601777	123.77	ng	-0.01
78) Terphenyl-d14	12.84	244	1338972	108.31	ng	0.01
Target Compounds						
9) Benzaldehyde	6.38	77	2326	Below Cal	#	16
25) Isophorone	7.28	82	1126130	50.30	ng	# 65
50) 2,6-Dinitrotoluene	9.76	165	30388	8.68	ng	# 32
56) 2,4-Dinitrotoluene	9.76	165	30389	7.06	ng	# 21
66) 4-Bromophenyl-phenylether	10.55	248	22499	3.90	ng	# 1

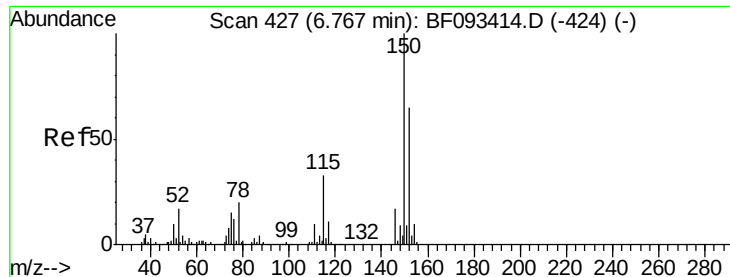
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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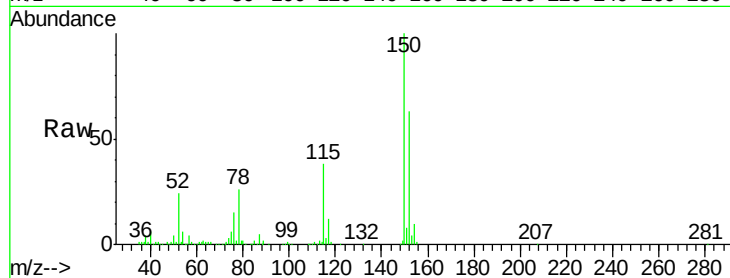


#1

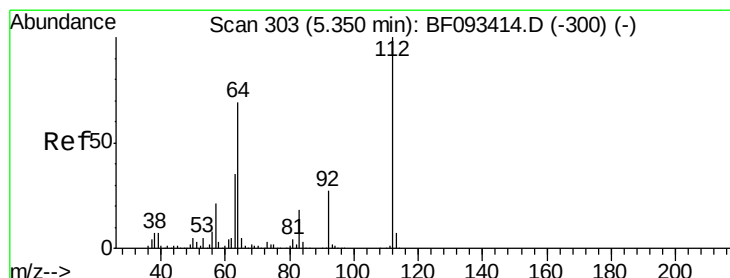
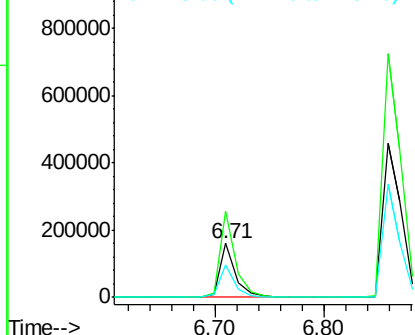
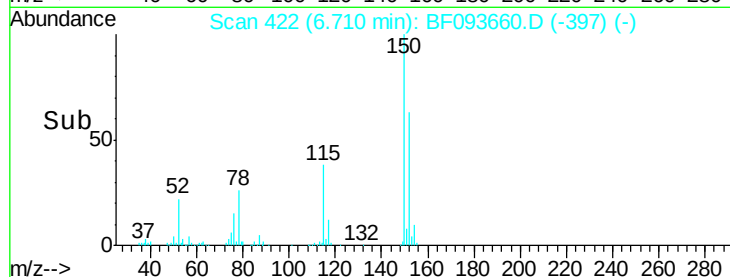
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093660.D
Acq: 14 Mar 2017 15:54

Instrument :
BNA_M
ClientSampleId :
D-64

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.9	187.3
115	60.2	46.0	69.0



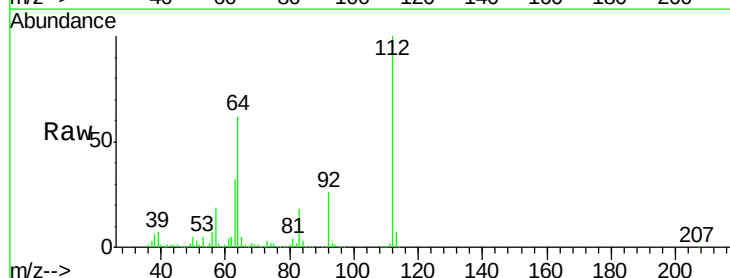
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



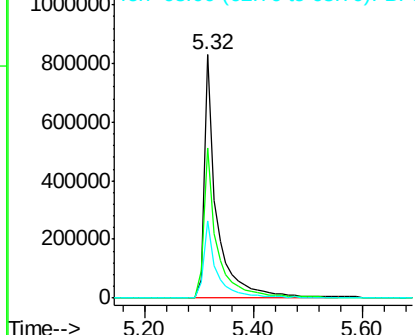
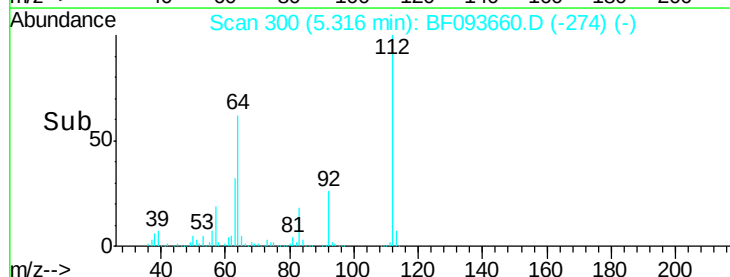
#5

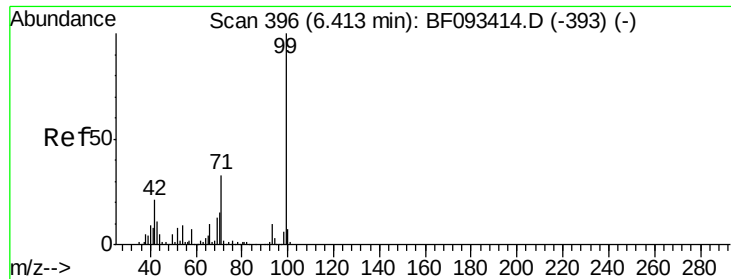
2-Fluorophenol
Concen: 136.73 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093660.D
Acq: 14 Mar 2017 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.1	69.1
63	31.8	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: 134.47 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

Instrument :

BNA_M

ClientSampleId :

D-64

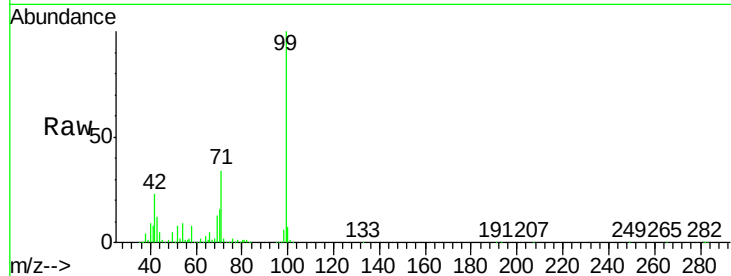
Tot Ion: 99 Resp: 1626882

Ion Ratio Lower Upper

99 100

42 22.8 15.6 23.4

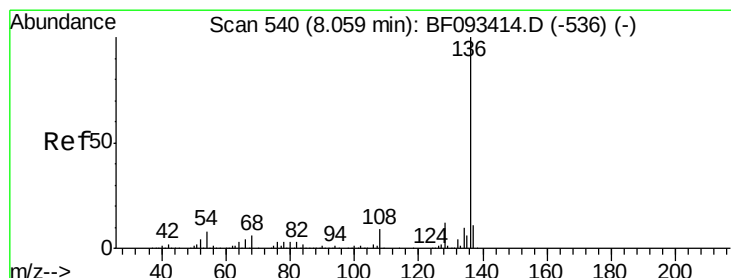
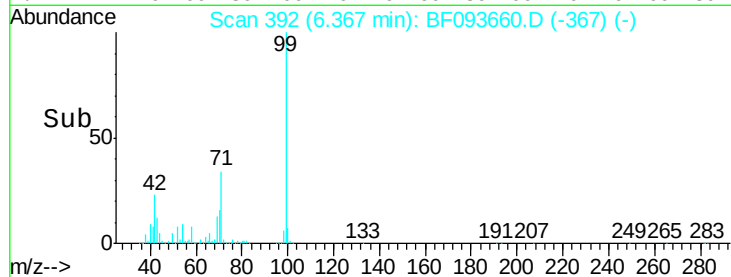
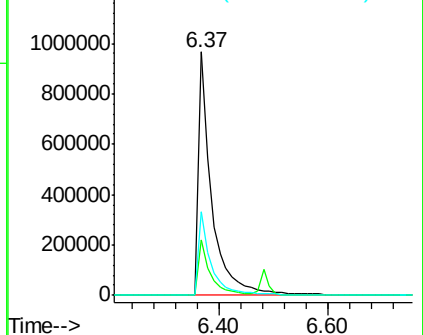
71 34.5 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

Tgt Ion: 136 Resp: 616038

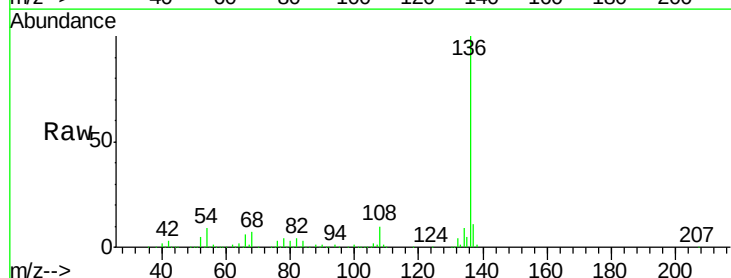
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 9.0 4.5 6.7#

68 6.9 3.6 5.4#

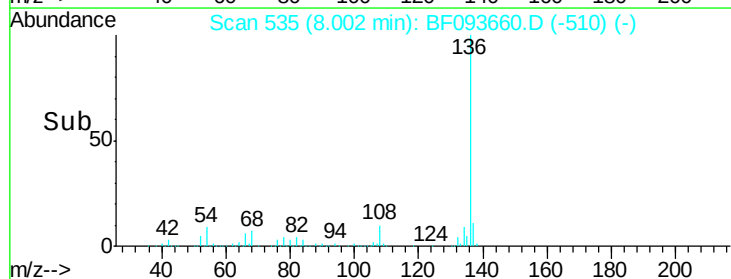
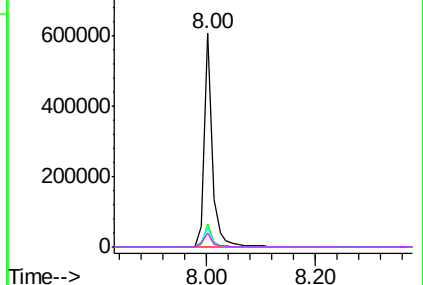


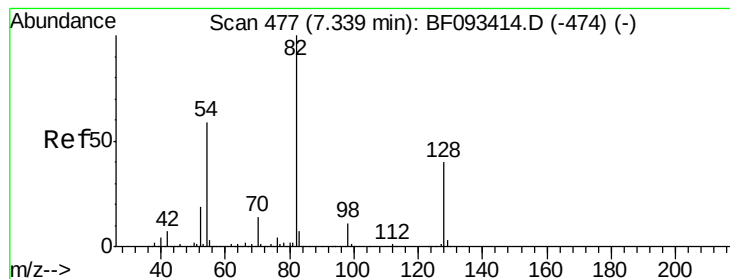
Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.92 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

Instrument :

BNA_M

ClientSampleId :

D-64

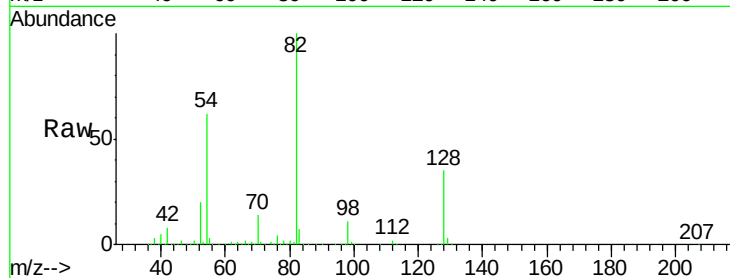
Tot Ion: 82 Resp: 1131647

Ion Ratio Lower Upper

82 100

128 35.0 34.6 52.0

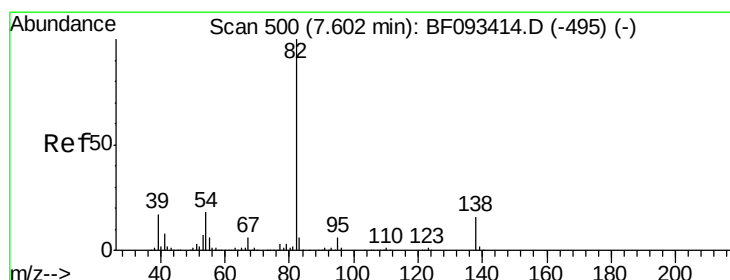
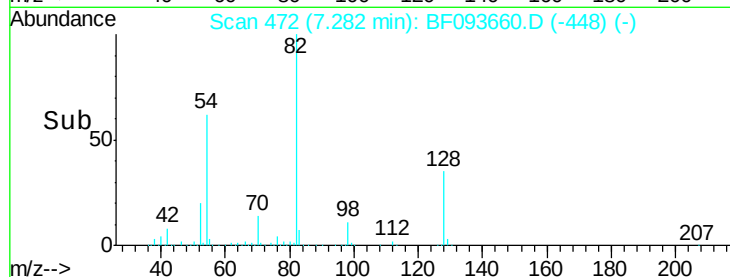
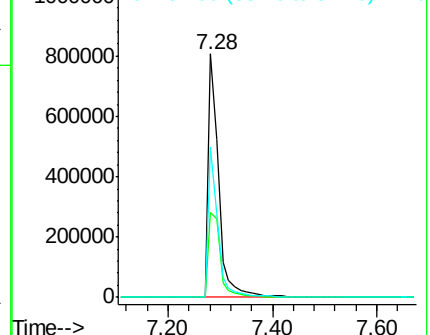
54 61.6 39.5 59.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 50.30 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

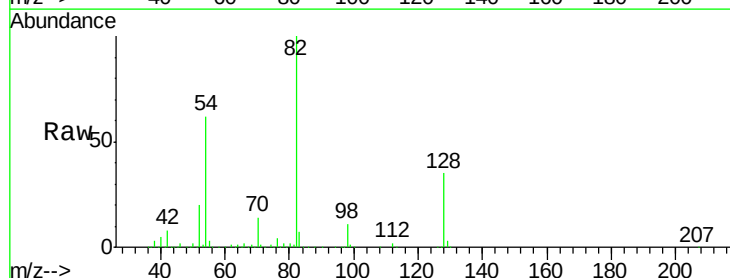
Tgt Ion: 82 Resp: 1126130

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

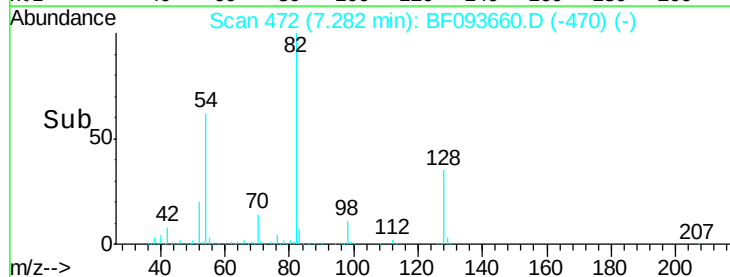
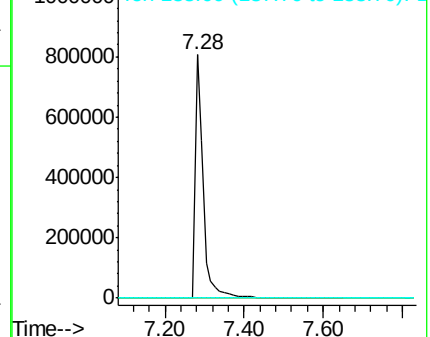
138 0.0 14.6 22.0#

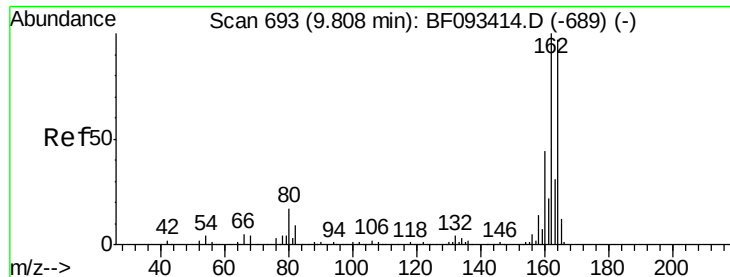


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.76 min Scan# 689

Delta R.T. -0.00 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

Instrument :

BNA_M

ClientSampled :

D-64

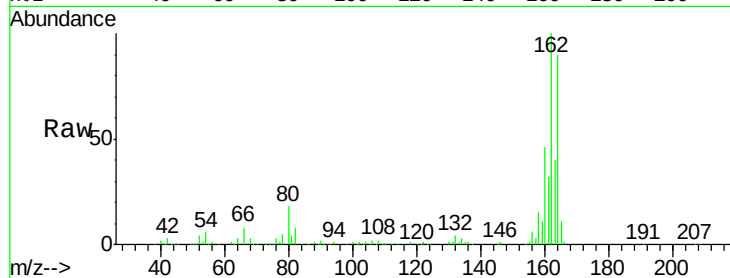
Tot Ion:164 Resp: 240727

Ion Ratio Lower Upper

164 100

162 111.2 80.2 120.2

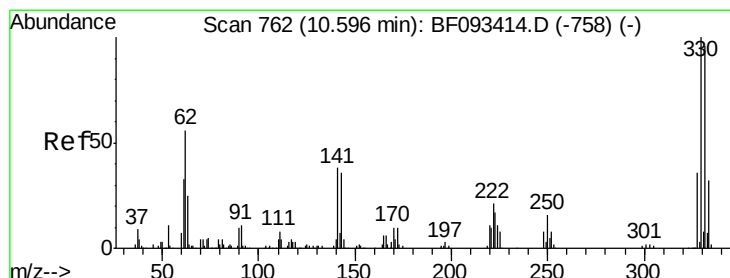
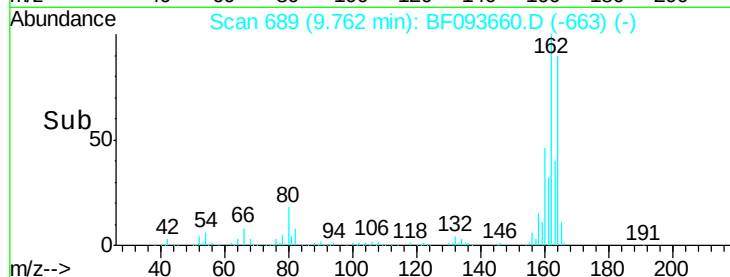
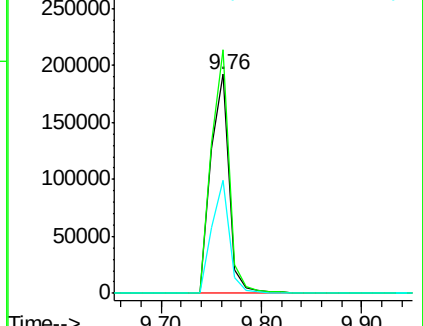
160 51.7 36.9 55.3



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: 193.23 ng

RT: 10.56 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

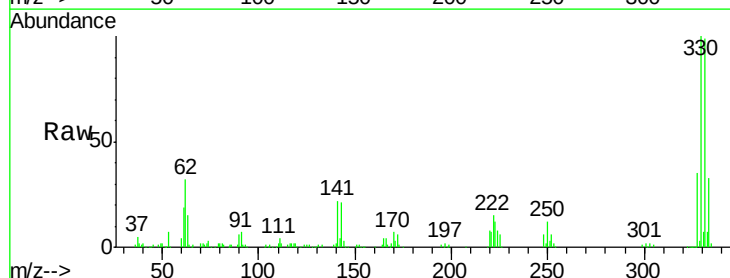
Tgt Ion:330 Resp: 303064

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.2

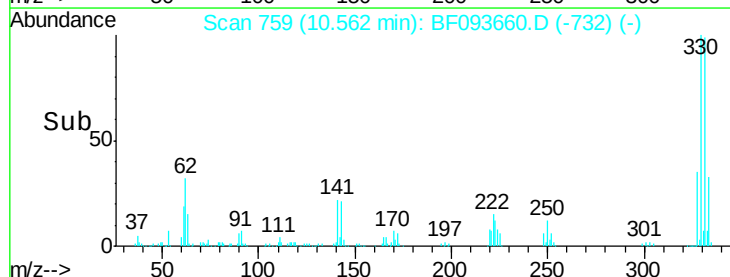
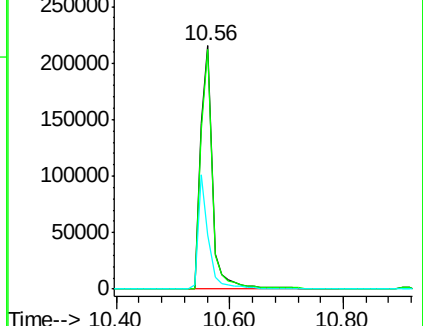
141 42.2 34.1 51.1

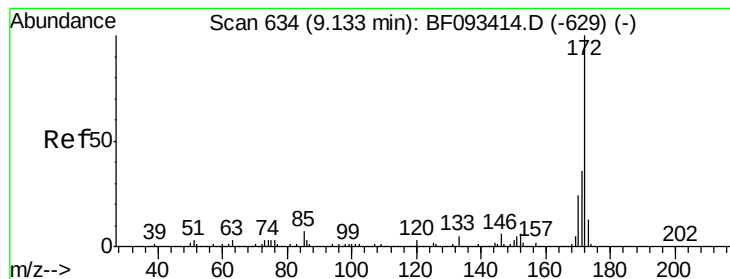


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 123.77 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

Instrument :

BNA_M

ClientSampleId :

D-64

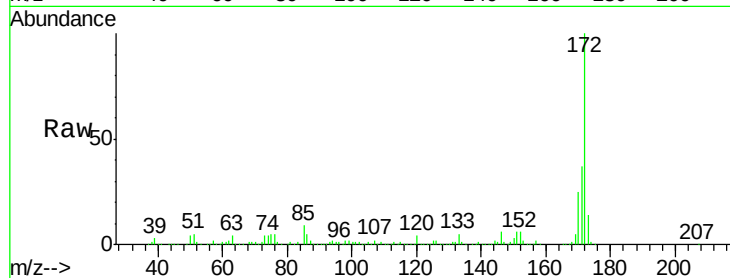
Tot Ion:172 Resp: 1601777

Ion Ratio Lower Upper

172 100

171 37.0 29.4 44.0

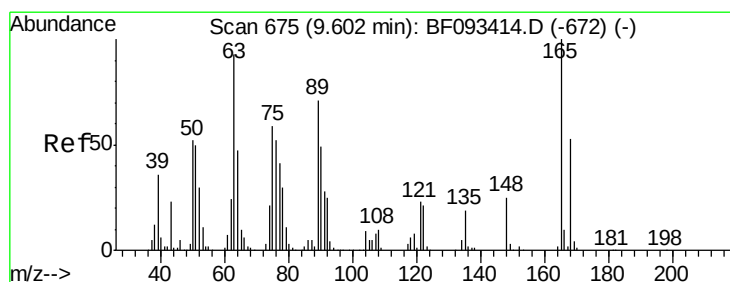
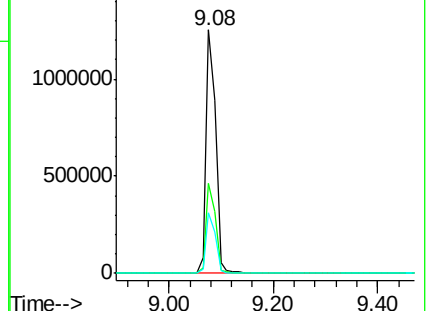
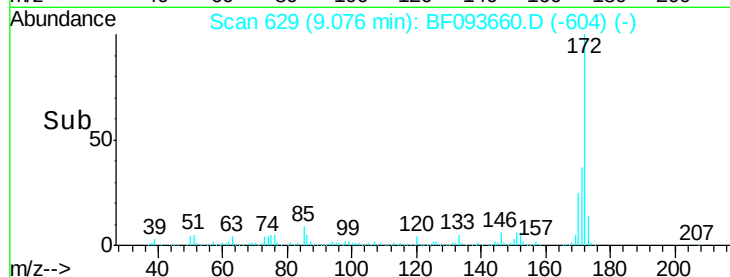
170 24.9 20.2 30.4



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: 8.68 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.19 min

Lab File: BF093660.D

Acq: 14 Mar 2017 15:54

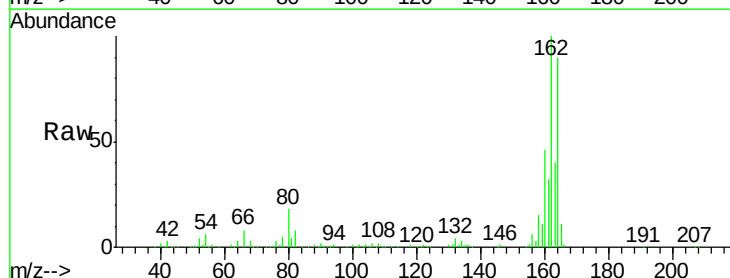
Tgt Ion:165 Resp: 30388

Ion Ratio Lower Upper

165 100

63 2.2 36.2 54.4#

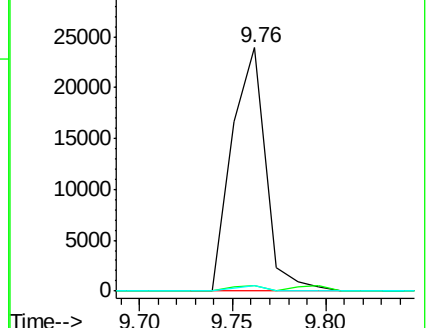
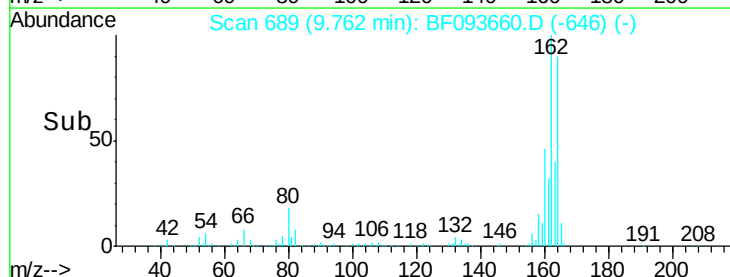
89 2.4 40.2 60.4#

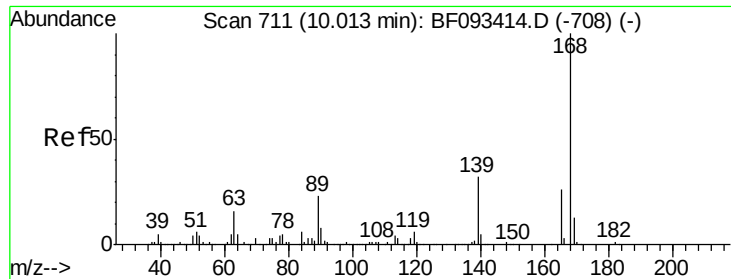


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

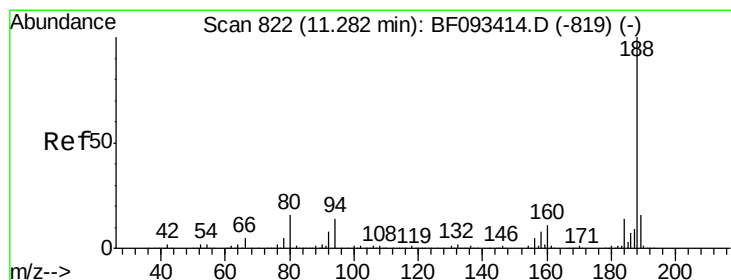
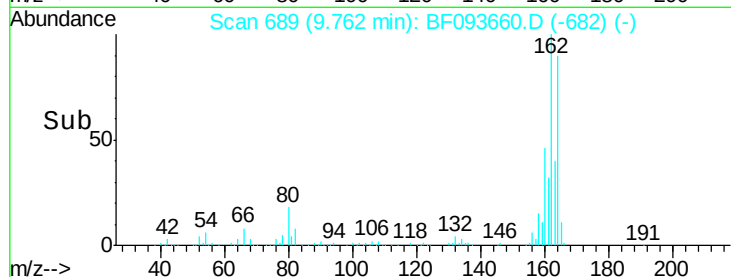
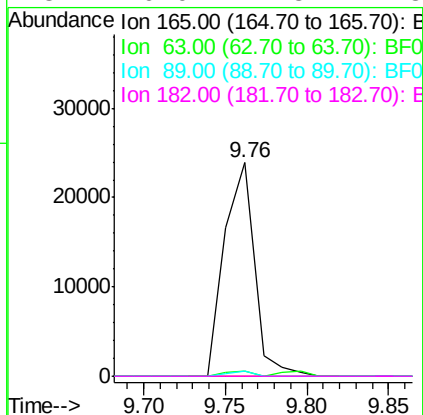
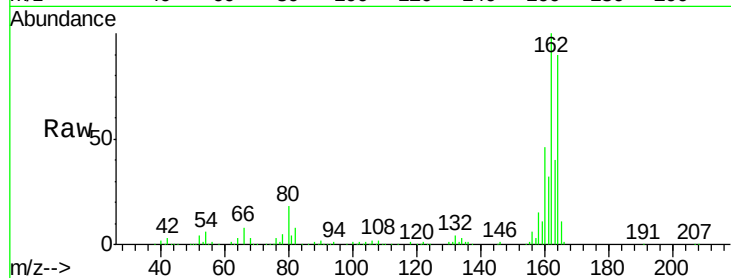




#56
 2,4-Dinitrotoluene
 Concen: 7.06 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093660.D
 Acq: 14 Mar 2017 15:54

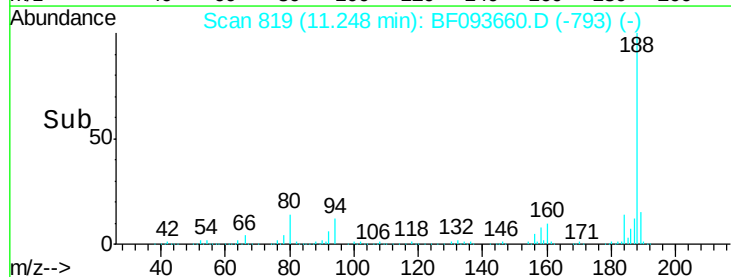
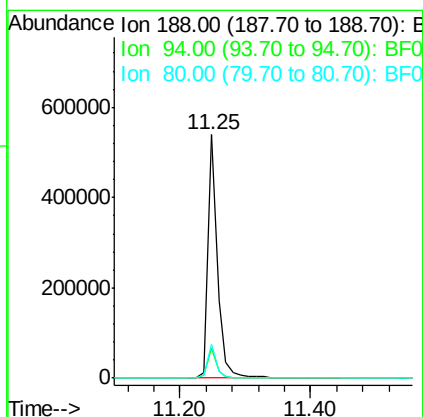
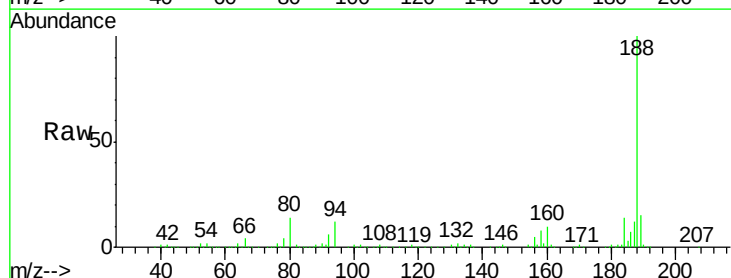
Instrument :
 BNA_M
 ClientSampleId :
 D-64

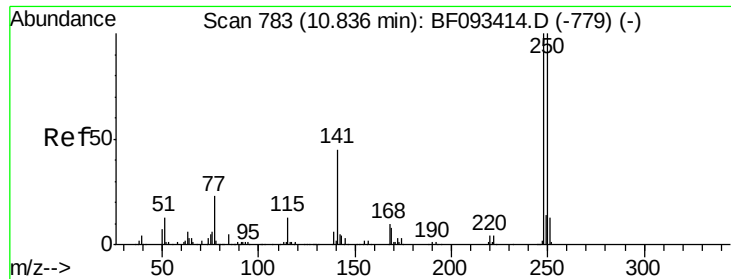
Tot Ion:	165	Resp:	30389
Ion	Ratio	Lower	Upper
165	100		
63	2.2	40.2	60.4#
89	2.4	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093660.D
 Acq: 14 Mar 2017 15:54

Tgt Ion:	188	Resp:	546139
Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.0	15.0
80	13.6	11.2	16.8

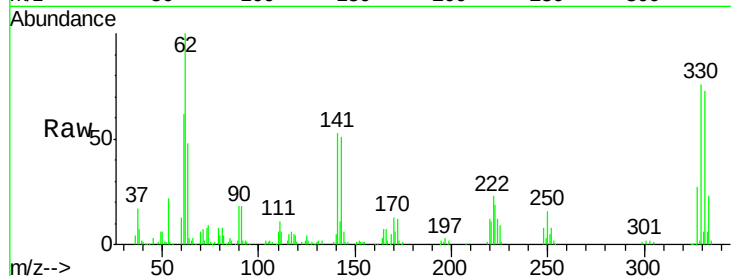




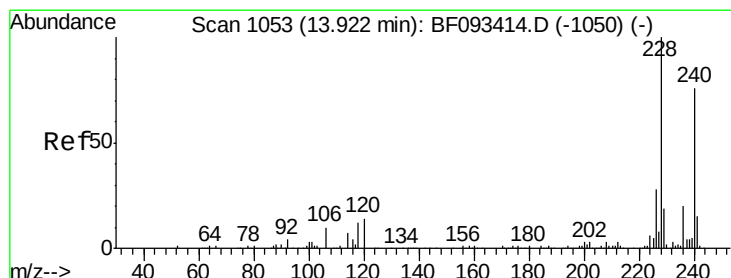
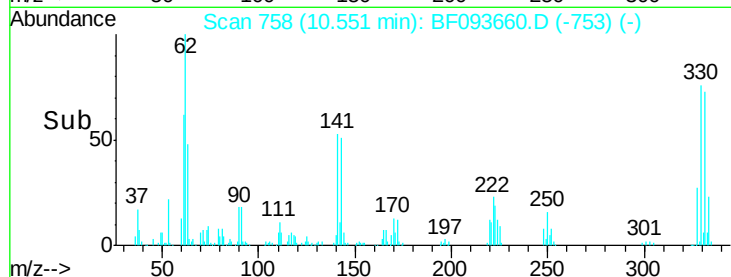
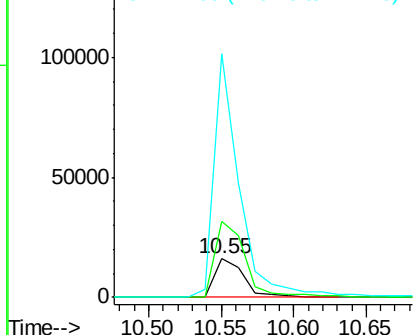
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093660.D
Acq: 14 Mar 2017 15:54

Instrument :
BNA_M
ClientSampleId :
D-64

Tot Ion:248 Resp: 22499
Ion Ratio Lower Upper
248 100
250 196.3 76.9 115.3#
141 632.7 68.2 102.4#

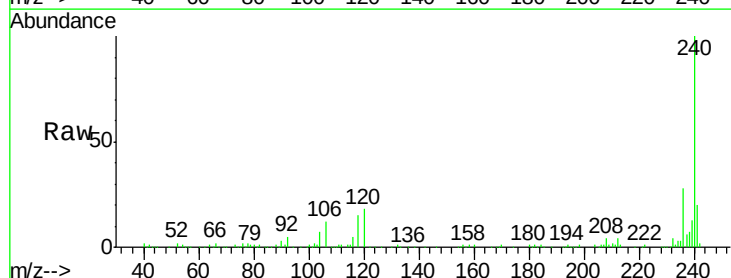


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

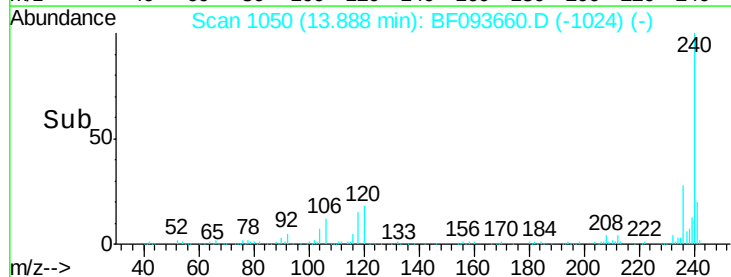
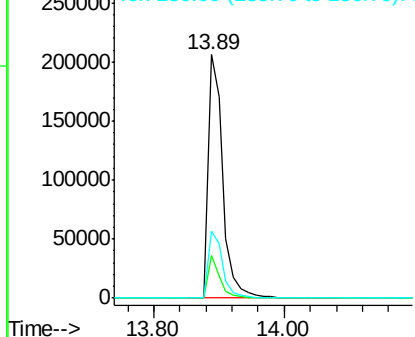


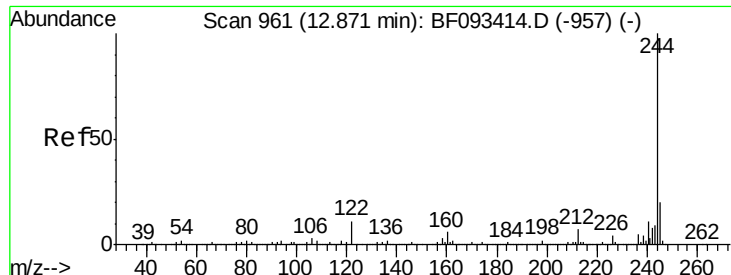
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF093660.D
Acq: 14 Mar 2017 15:54

Tgt Ion:240 Resp: 321408
Ion Ratio Lower Upper
240 100
120 17.7 12.9 19.3
236 27.6 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

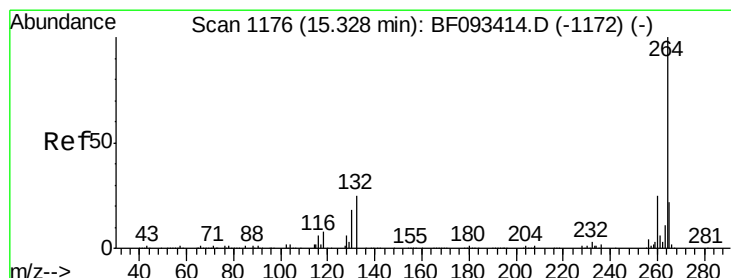
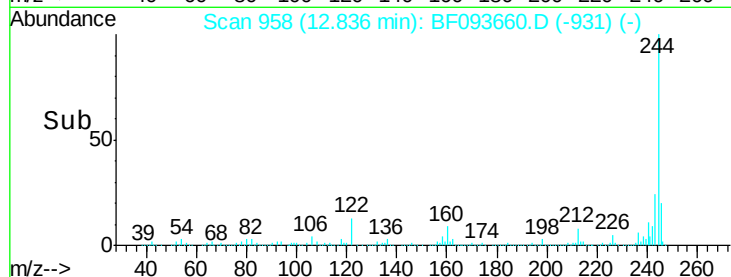
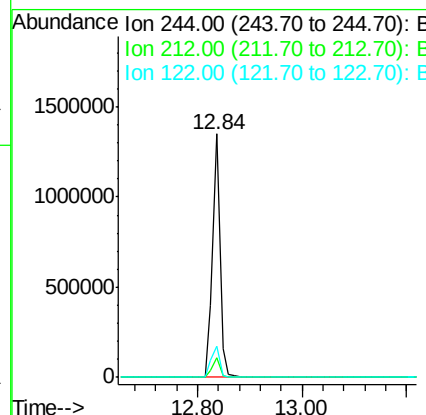
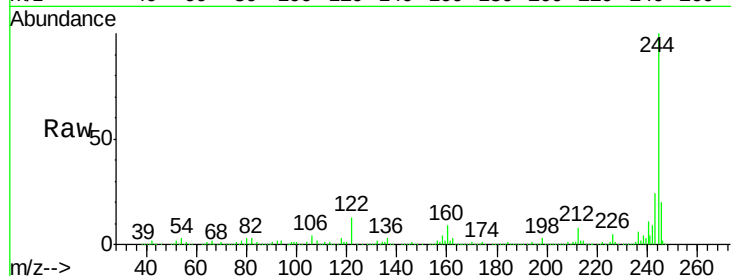




#78
 Terphenyl-d14
 Concen: 108.31 ng
 RT: 12.84 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF093660.D
 Acq: 14 Mar 2017 15:54

Instrument :
 BNA_M
 ClientSampleId :
 D-64

Tot Ion:244 Resp: 1338972
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 12.5 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1175
 Delta R.T. 0.03 min
 Lab File: BF093660.D
 Acq: 14 Mar 2017 15:54

Tgt Ion:264 Resp: 34563
 Ion Ratio Lower Upper
 264 100
 260 39.8 19.2 28.8#
 265 21.4 17.4 26.0

