

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093657.D
 Acq On : 14 Mar 2017 14:31
 Operator : SJ/MA
 Sample : I2224-01
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 15 02:33:39 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

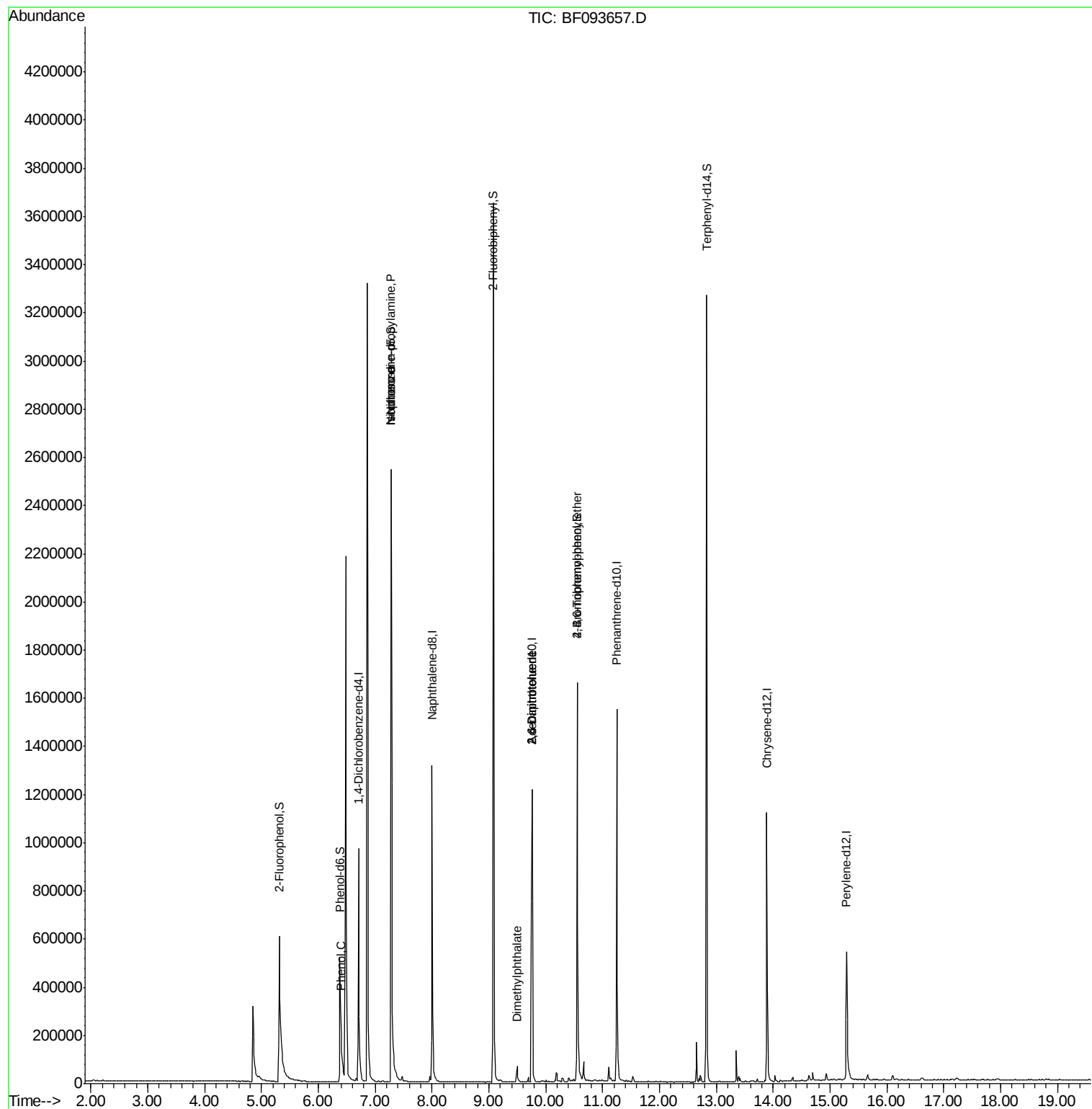
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	165895	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	659644	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	303725	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	610451	20.00	ng	0.00
75) Chrysene-d12	13.89	240	457624	20.00	ng	0.00
86) Perylene-d12	15.29	264	301725	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	381832	38.31	ng	0.00
7) Phenol-d6	6.38	99	317679	25.27	ng	0.00
23) Nitrobenzene-d5	7.28	82	1081424	90.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	191512	96.78	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1660622	101.70	ng	-0.01
78) Terphenyl-d14	12.84	244	1424321	80.92	ng	0.01
Target Compounds						
9) Benzaldehyde	6.40	77	826	Below Cal	#	1
10) Phenol	6.40	94	54446	3.53	ng	84
19) n-Nitroso-di-n-propylamine	7.28	70	140220	16.23	ng	# 86
25) Isophorone	7.28	82	1070577	44.66	ng	# 65
49) Dimethylphthalate	9.50	163	42181	2.09	ng	99
50) 2,6-Dinitrotoluene	9.76	165	39069	8.84	ng	# 32
56) 2,4-Dinitrotoluene	9.76	165	39063	7.20	ng	# 20
66) 4-Bromophenyl-phenylether	10.55	248	15156	2.35	ng	# 1

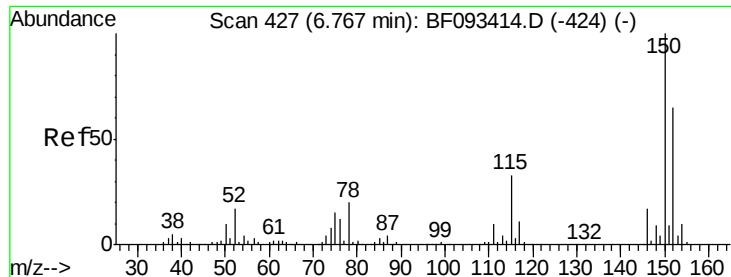
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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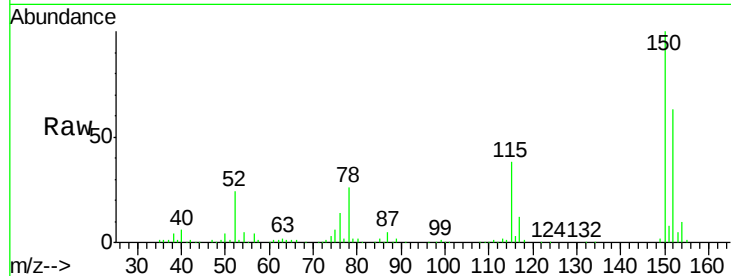


#1

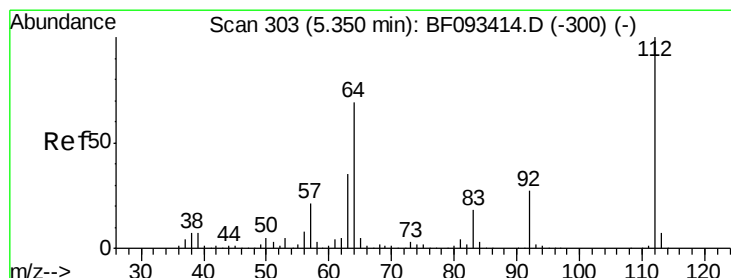
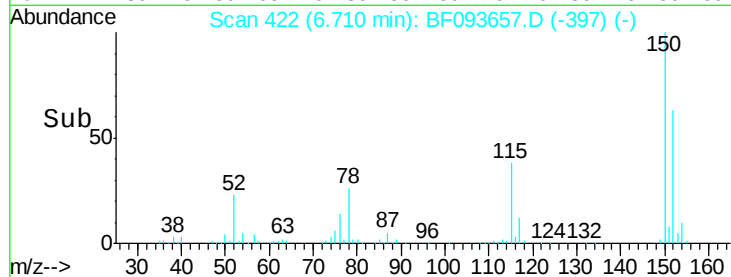
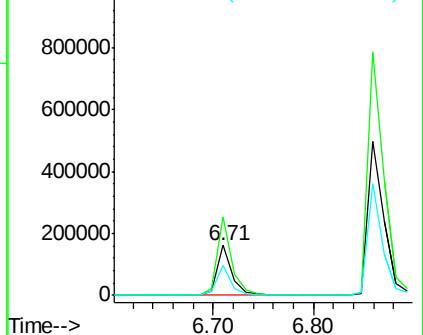
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 165895
Ion Ratio Lower Upper
152 100
150 157.5 124.9 187.3
115 59.6 46.0 69.0



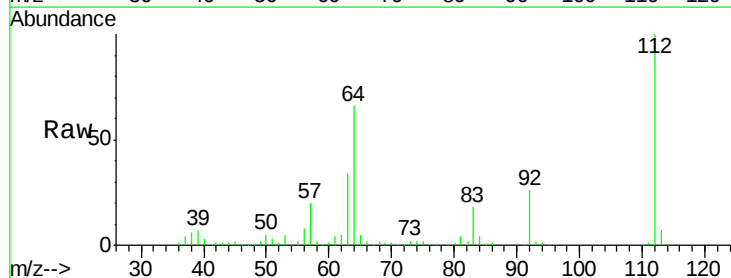
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



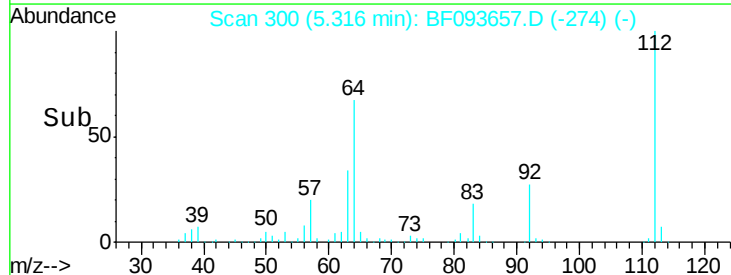
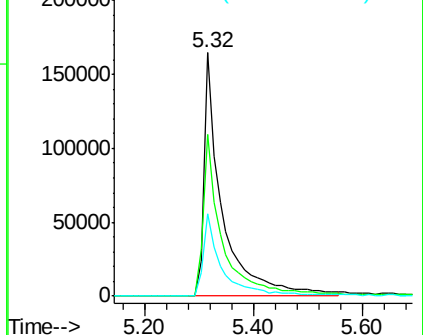
#5

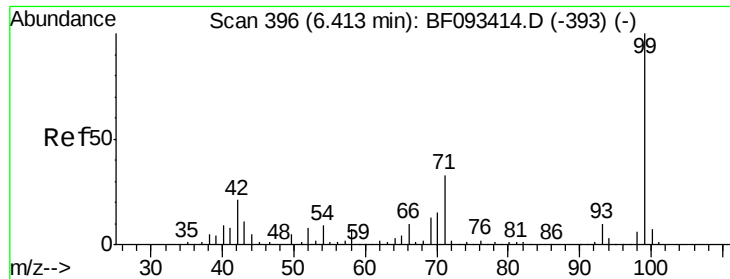
2-Fluorophenol
Concen: 38.31 ng
RT: 5.32 min Scan# 300
Delta R.T. -0.00 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

Tgt Ion:112 Resp: 381832
Ion Ratio Lower Upper
112 100
64 66.3 46.1 69.1
63 33.8 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: 25.27 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

Instrument :

BNA_M

ClientSampled :

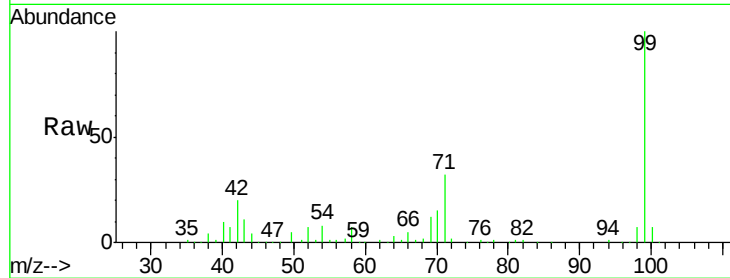
Tot Ion: 99 Resp: 317679

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

71 32.0 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

250000

200000

150000

100000

50000

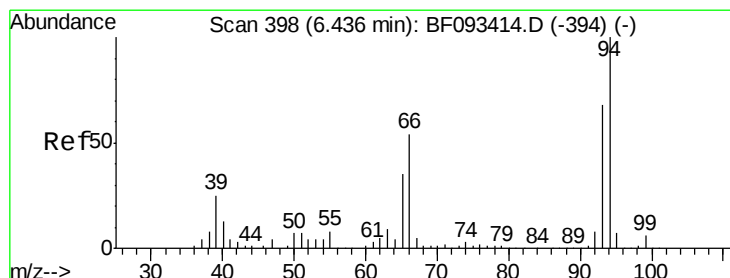
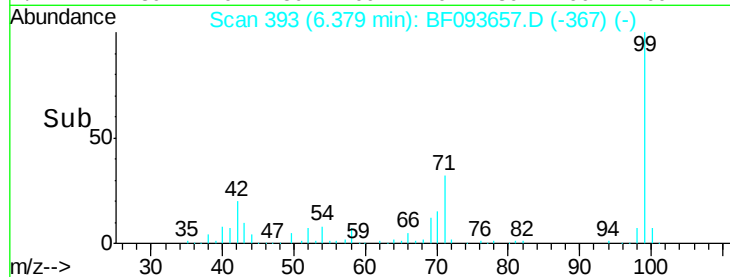
0

6.38

6.40

6.60

Time-->



#10

Phenol

Concen: 3.53 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

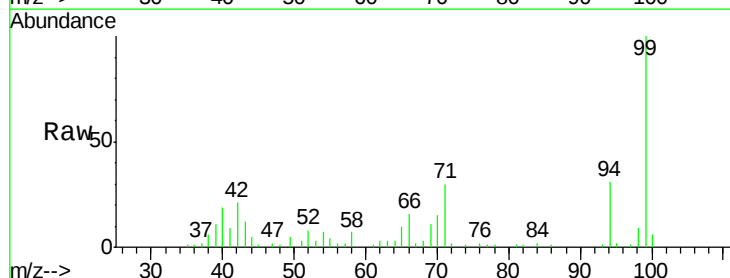
Tgt Ion: 94 Resp: 54446

Ion Ratio Lower Upper

94 100

65 31.0 21.4 61.4

66 51.6 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

200000

150000

100000

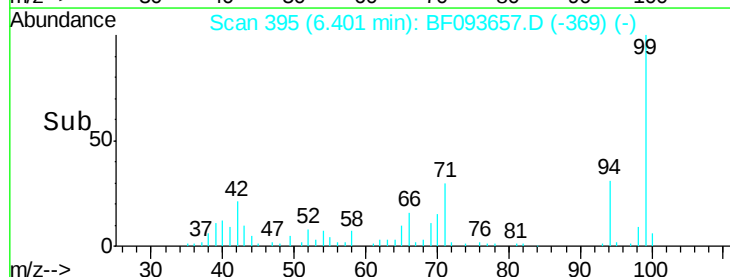
50000

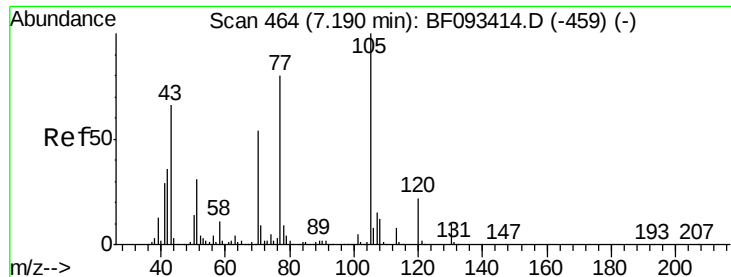
0

6.40

6.60

Time-->

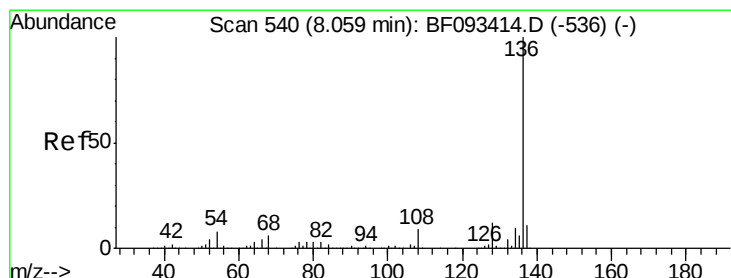
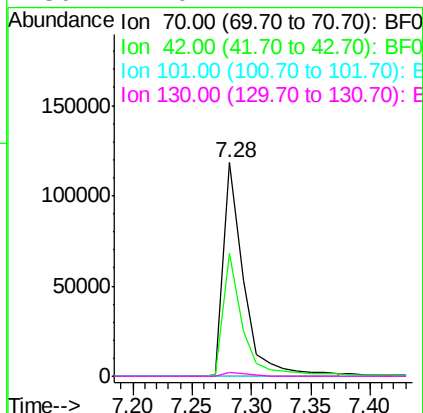
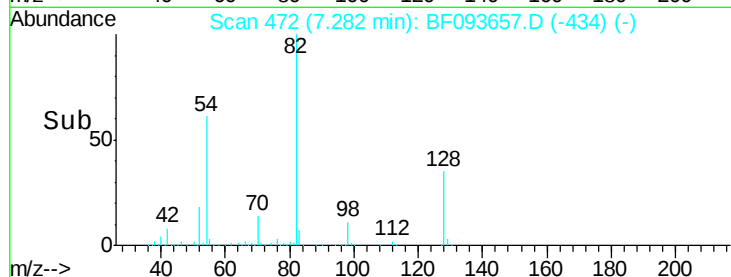
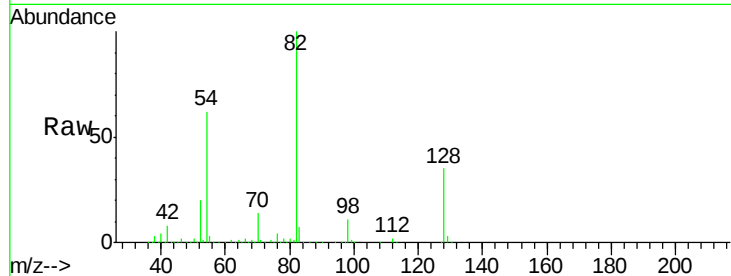




#19
n-Nitroso-di-n-propylamine
Concen: 16.23 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

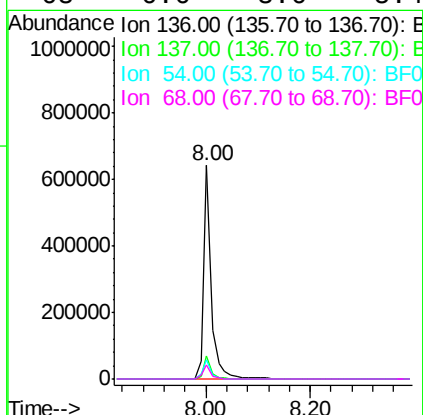
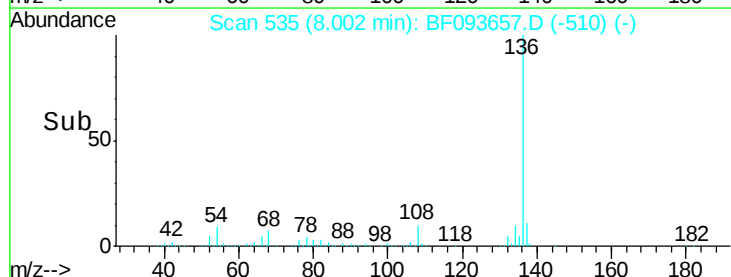
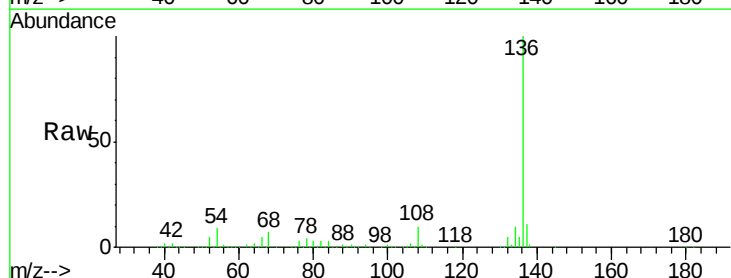
Instrument :
BNA_M
ClientSampleId :

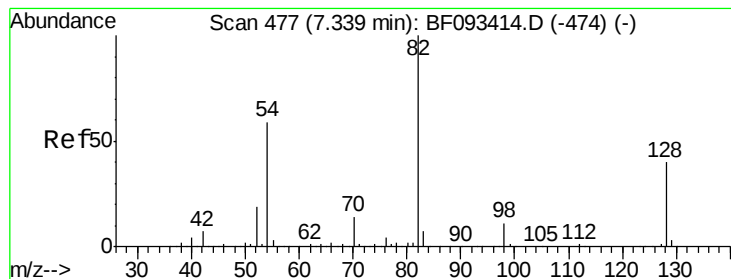
Tot Ion: 70 Resp: 140220
Ion Ratio Lower Upper
70 100
42 57.6 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

Tgt Ion: 136 Resp: 659644
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.3 4.5 6.7#
68 6.6 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 90.96 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

Instrument :

BNA_M

ClientSampleId :

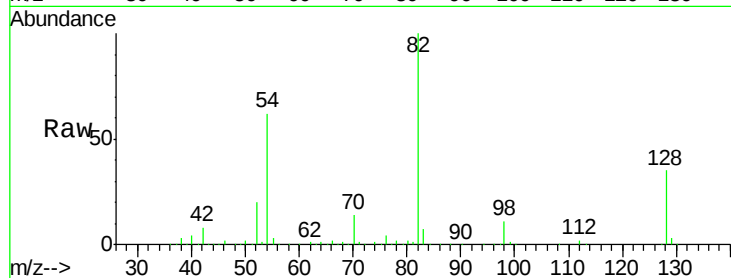
Tot Ion: 82 Resp: 1081424

Ion Ratio Lower Upper

82 100

128 35.2 34.6 52.0

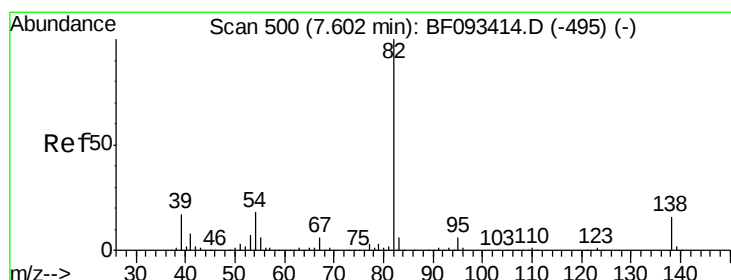
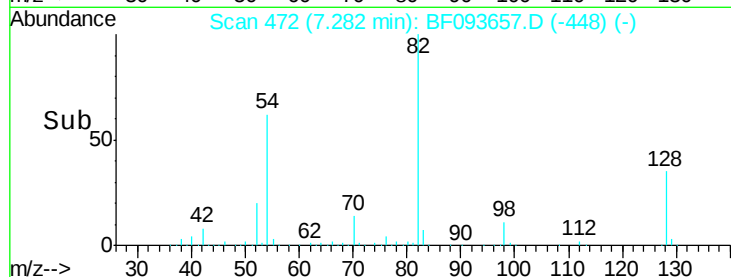
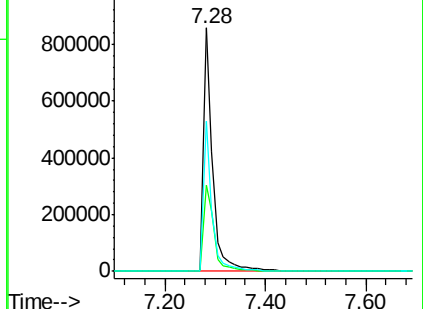
54 61.5 39.5 59.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 44.66 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

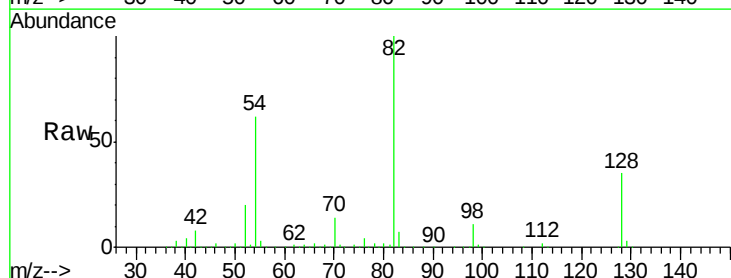
Tgt Ion: 82 Resp: 1070577

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

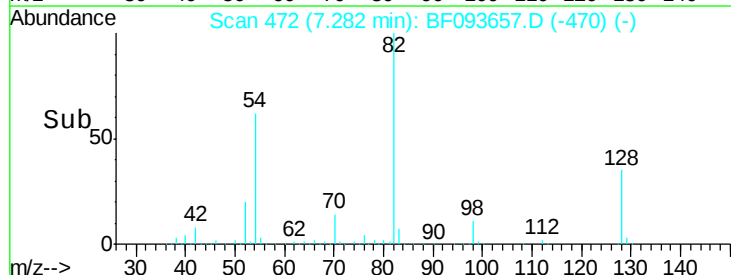
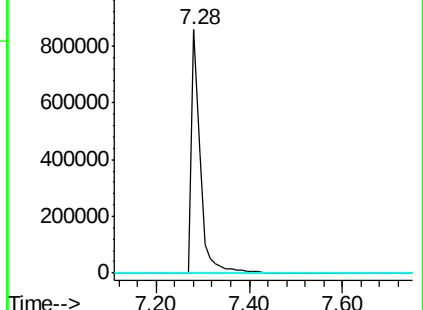
138 0.0 14.6 22.0#

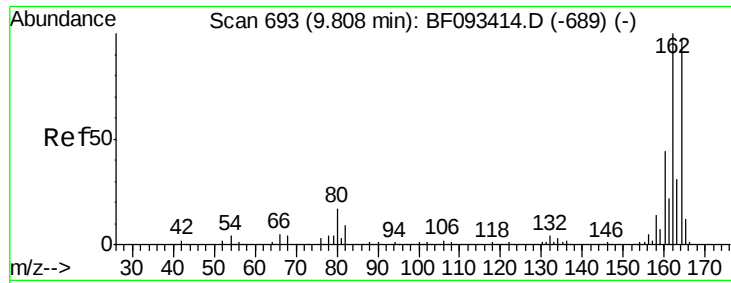


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

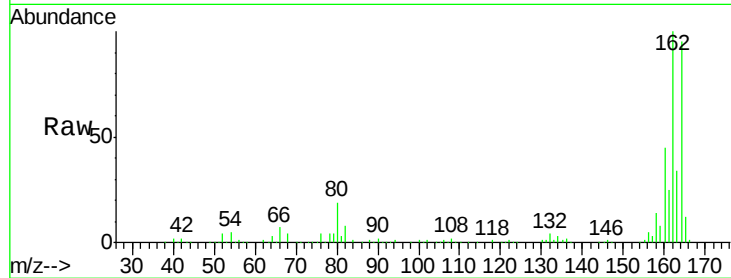




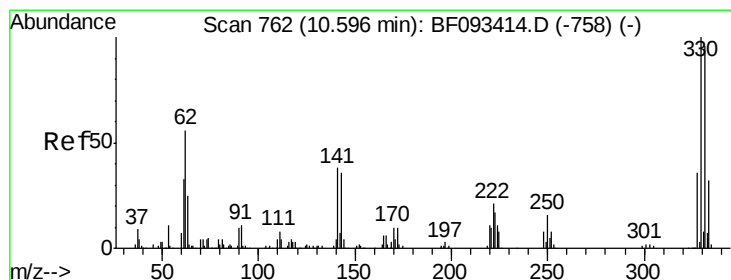
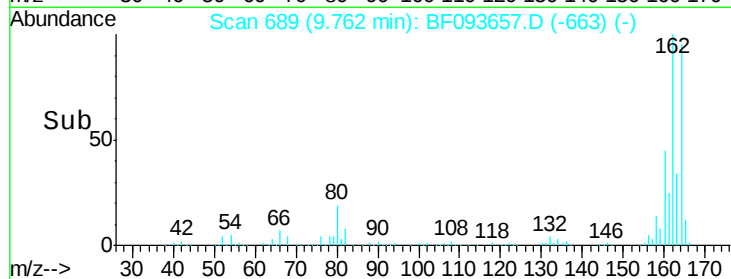
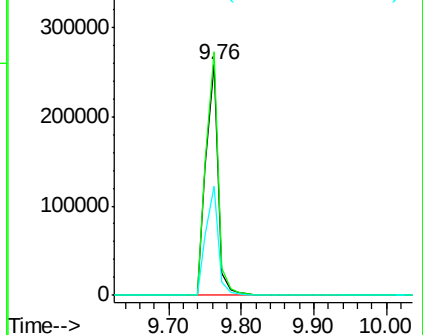
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:164 Resp: 303725
Ion Ratio Lower Upper
164 100
162 105.7 80.2 120.2
160 47.2 36.9 55.3

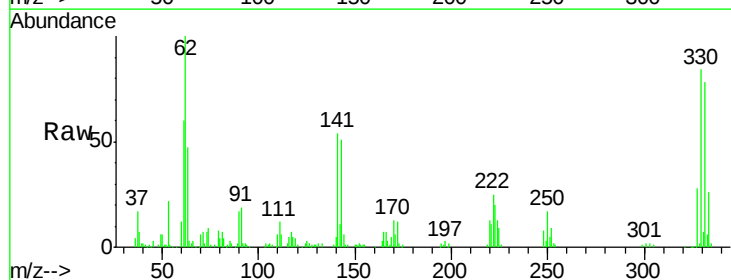


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

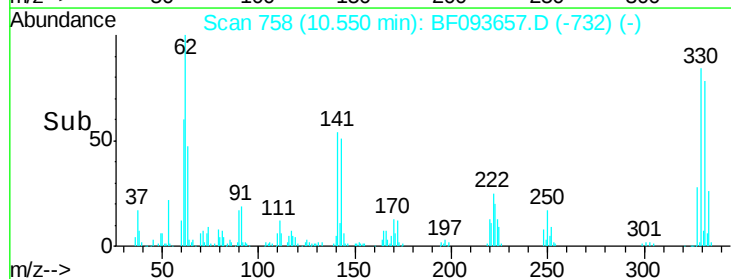
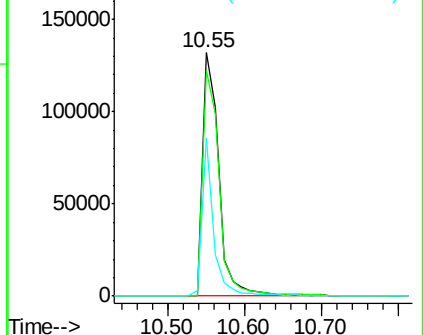


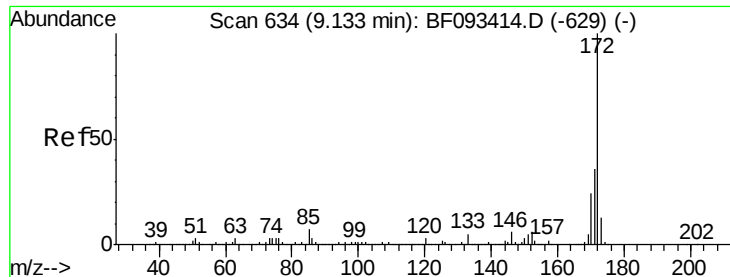
#41
2,4,6-Tribromophenol
Concen: 96.78 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

Tgt Ion:330 Resp: 191512
Ion Ratio Lower Upper
330 100
332 95.1 77.4 116.2
141 46.3 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: 101.70 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

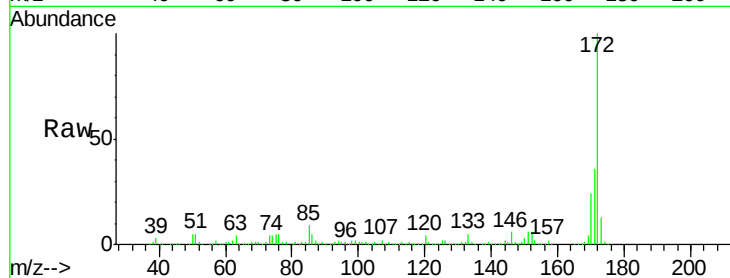
Instrument :

BNA_M

ClientSampleId :

Tot Ion:172 Resp: 1660622

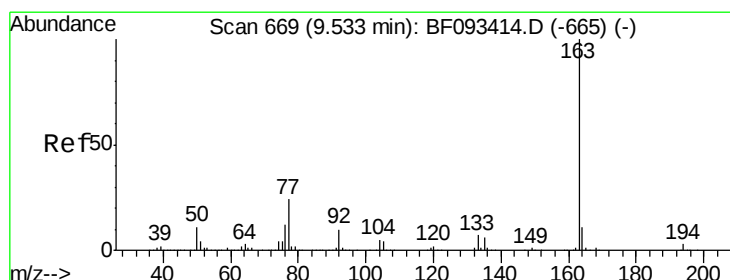
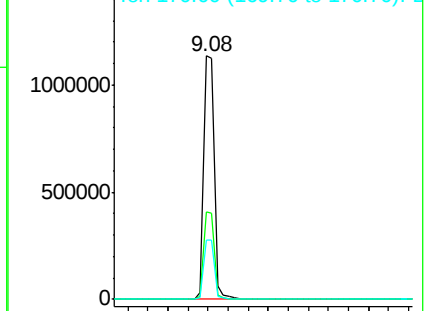
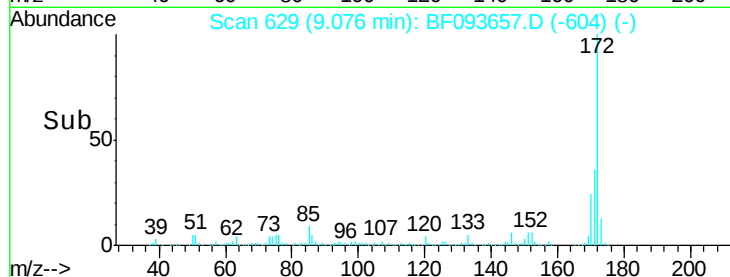
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.5	20.2	30.4



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: 2.09 ng

RT: 9.50 min Scan# 666

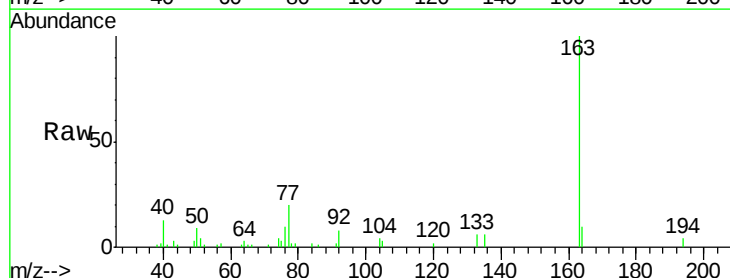
Delta R.T. -0.00 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

Tgt Ion:163 Resp: 42181

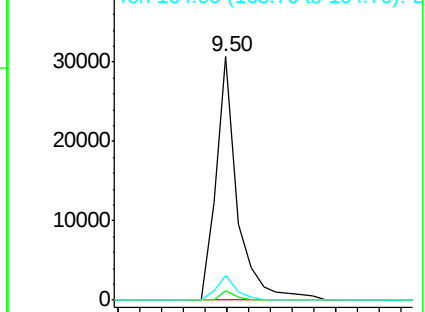
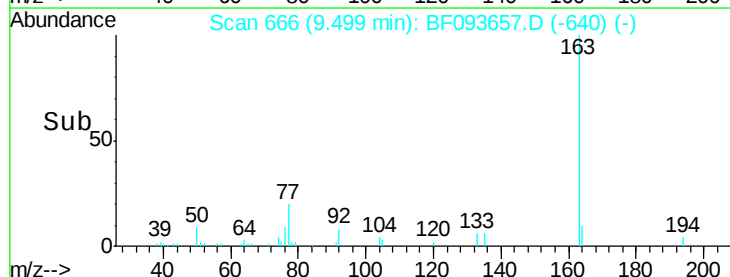
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.3	8.0	12.0

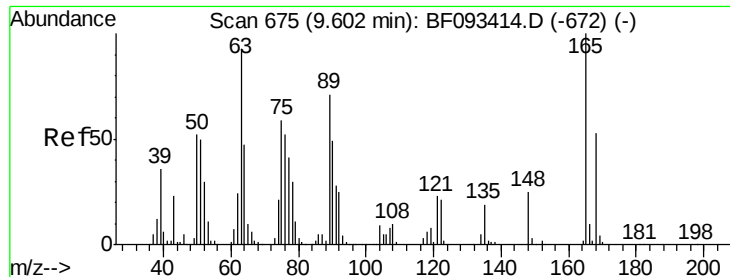


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

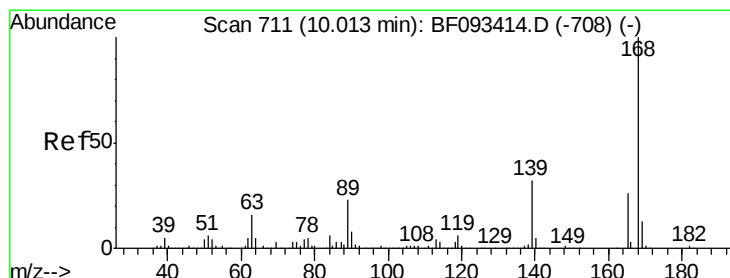
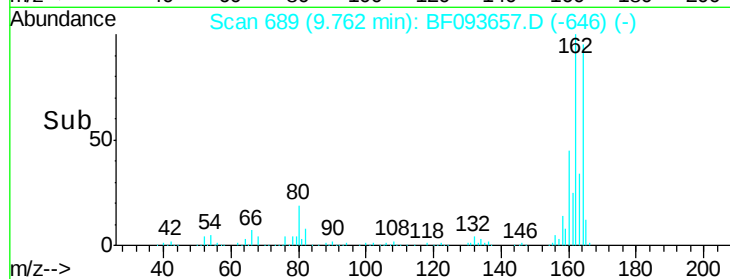
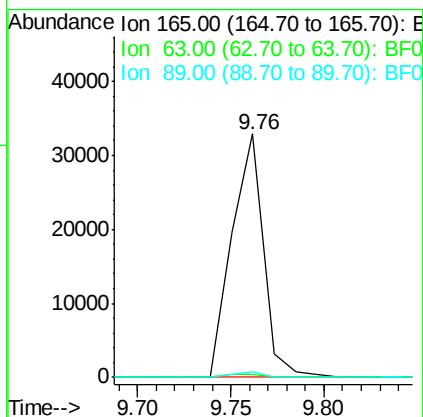
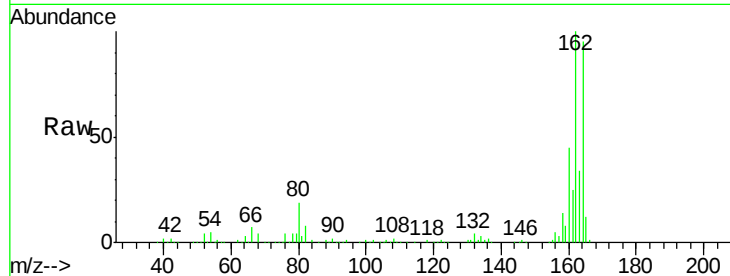




#50
 2,6-Dinitrotoluene
 Concen: 8.84 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.19 min
 Lab File: BF093657.D
 Acq: 14 Mar 2017 14:31

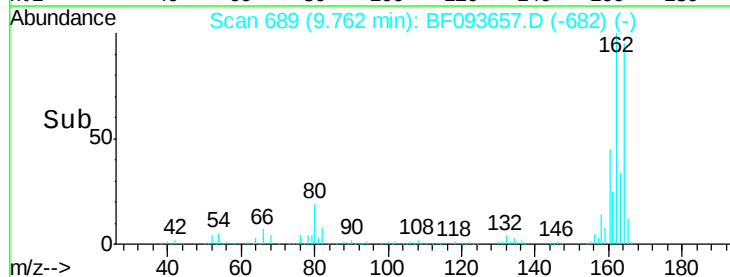
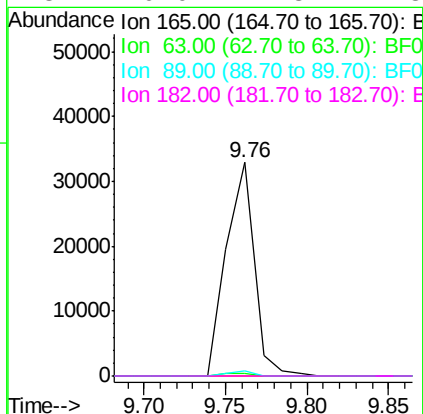
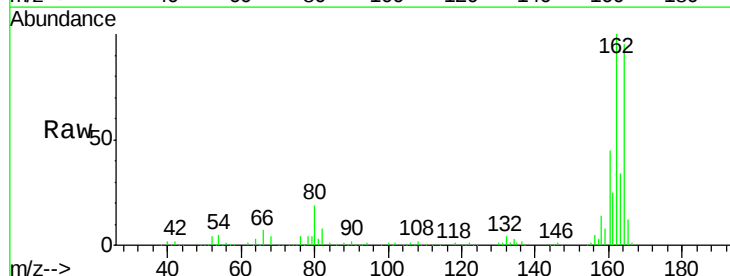
Instrument :
 BNA_M
 ClientSampleId :

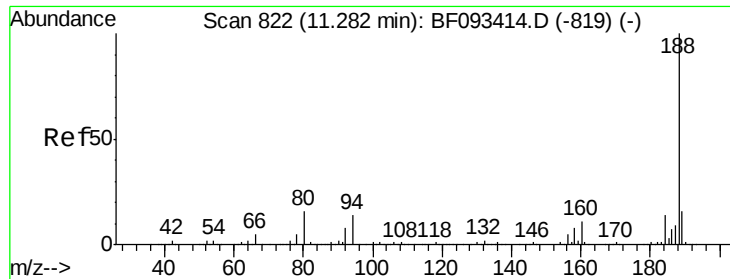
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.2	54.4#
89	2.1	40.2	60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.20 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093657.D
 Acq: 14 Mar 2017 14:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	2.1	62.5	93.7#
182	0.0	1.8	2.8#

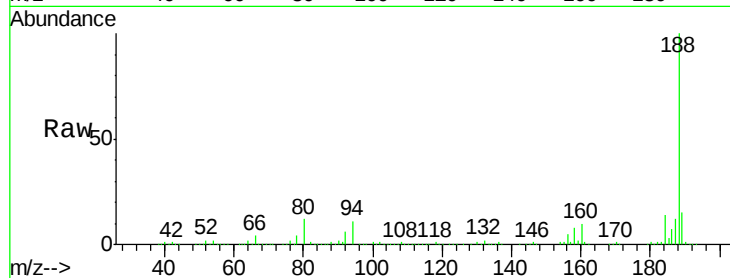




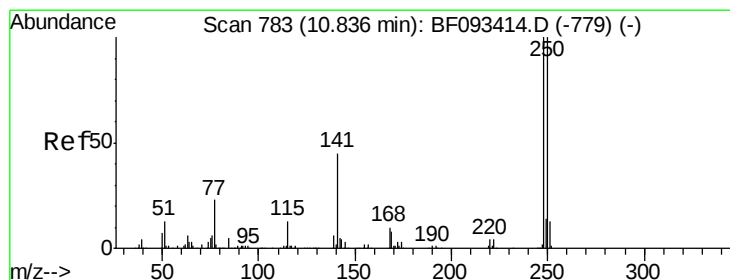
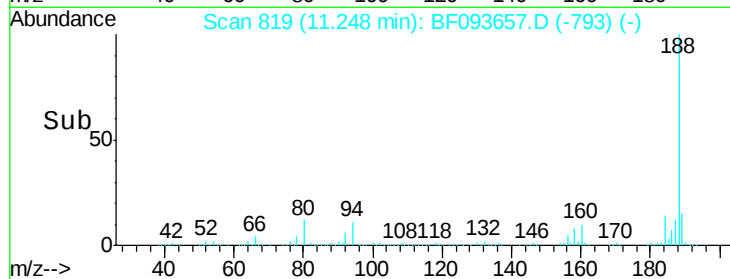
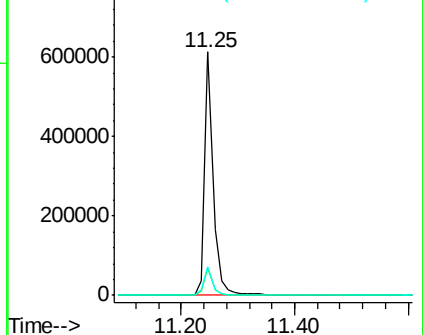
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093657.D
 Acq: 14 Mar 2017 14:31

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:188 Resp: 610451
 Ion Ratio Lower Upper
 188 100
 94 11.3 10.0 15.0
 80 11.5 11.2 16.8

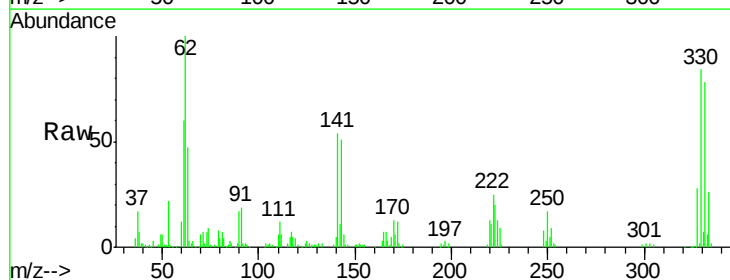


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

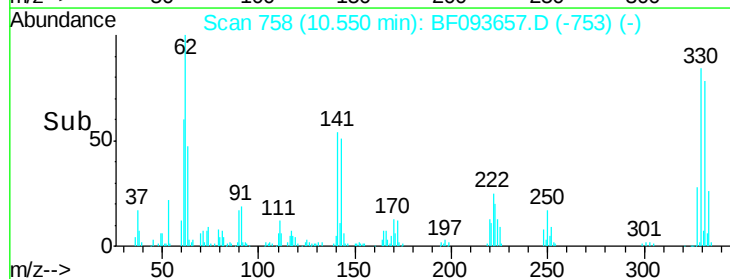
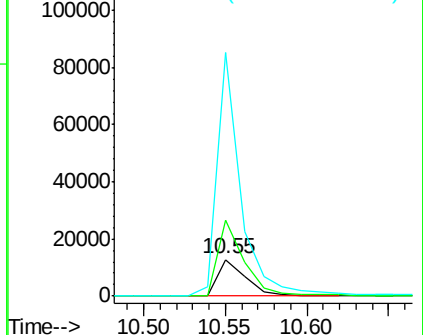


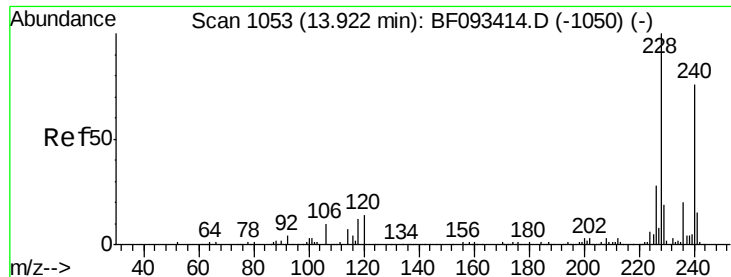
#66
 4-Bromophenyl-phenylether
 Concen: 2.35 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.24 min
 Lab File: BF093657.D
 Acq: 14 Mar 2017 14:31

Tgt Ion:248 Resp: 15156
 Ion Ratio Lower Upper
 248 100
 250 205.5 76.9 115.3#
 141 660.9 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: BF093657.D

Acq: 14 Mar 2017 14:31

Instrument :

BNA_M

ClientSampled :

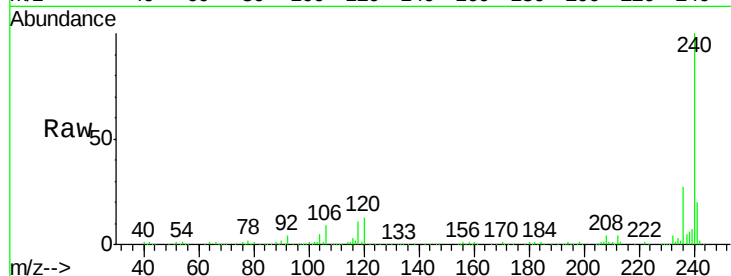
Tot Ion:240 Resp: 457624

Ion Ratio Lower Upper

240 100

120 13.4 12.9 19.3

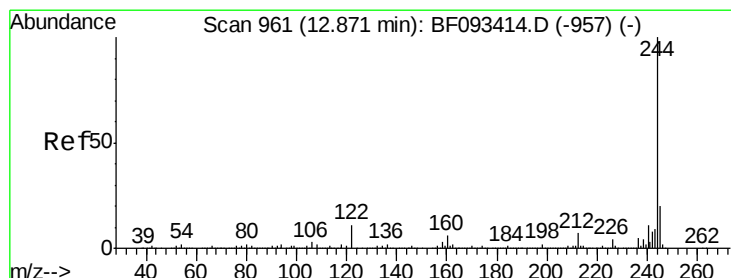
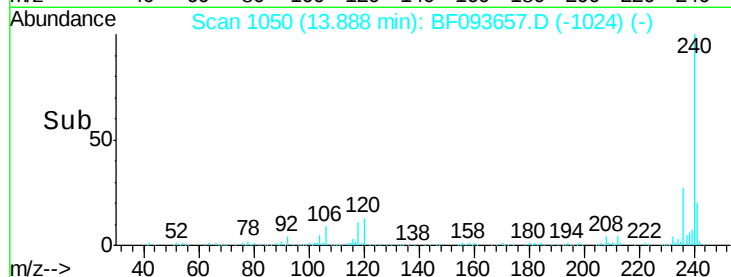
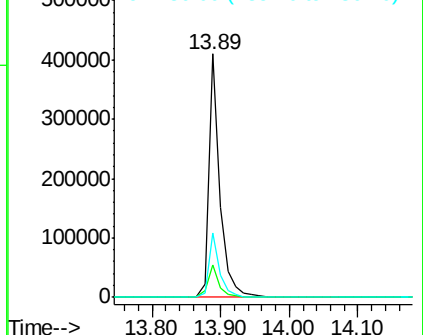
236 26.6 20.9 31.3



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: 80.92 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

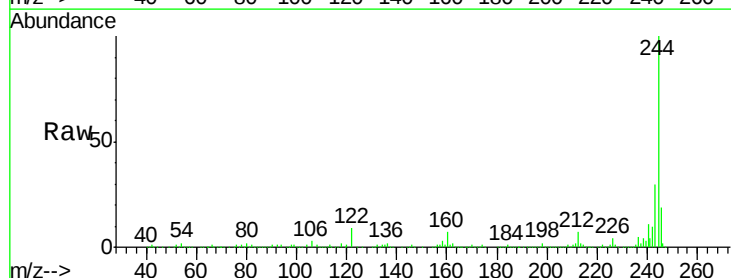
Tgt Ion:244 Resp: 1424321

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

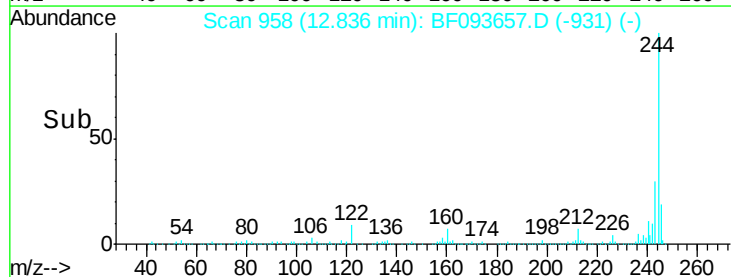
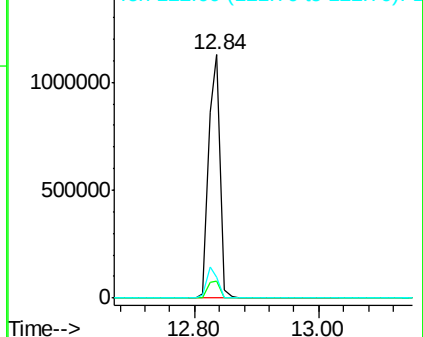
122 8.7 11.4 17.2#

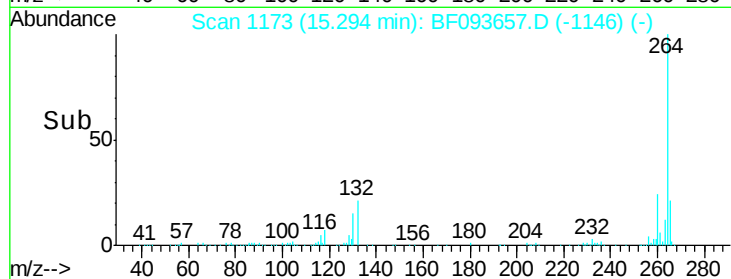
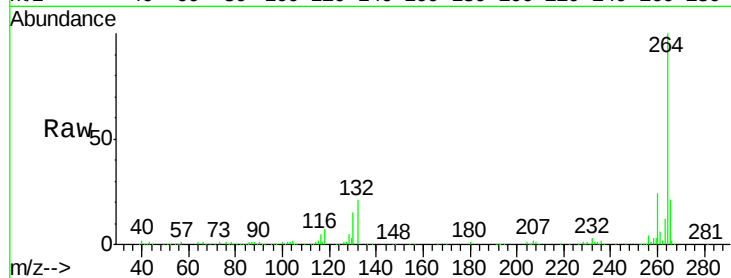
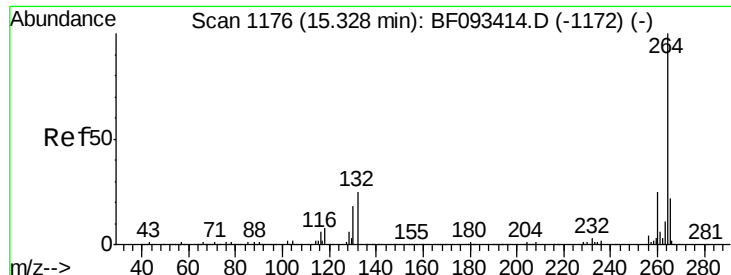


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093657.D
Acq: 14 Mar 2017 14:31

Instrument :
BNA_M
ClientSampleId :

Tot Ion:	264	Resp:	301725
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	21.2	17.4	26.0

