

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093645.D
 Acq On : 14 Mar 2017 8:57
 Operator : SJ/MA
 Sample : I2201-21
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D-121

Quant Time: Mar 15 02:29:47 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

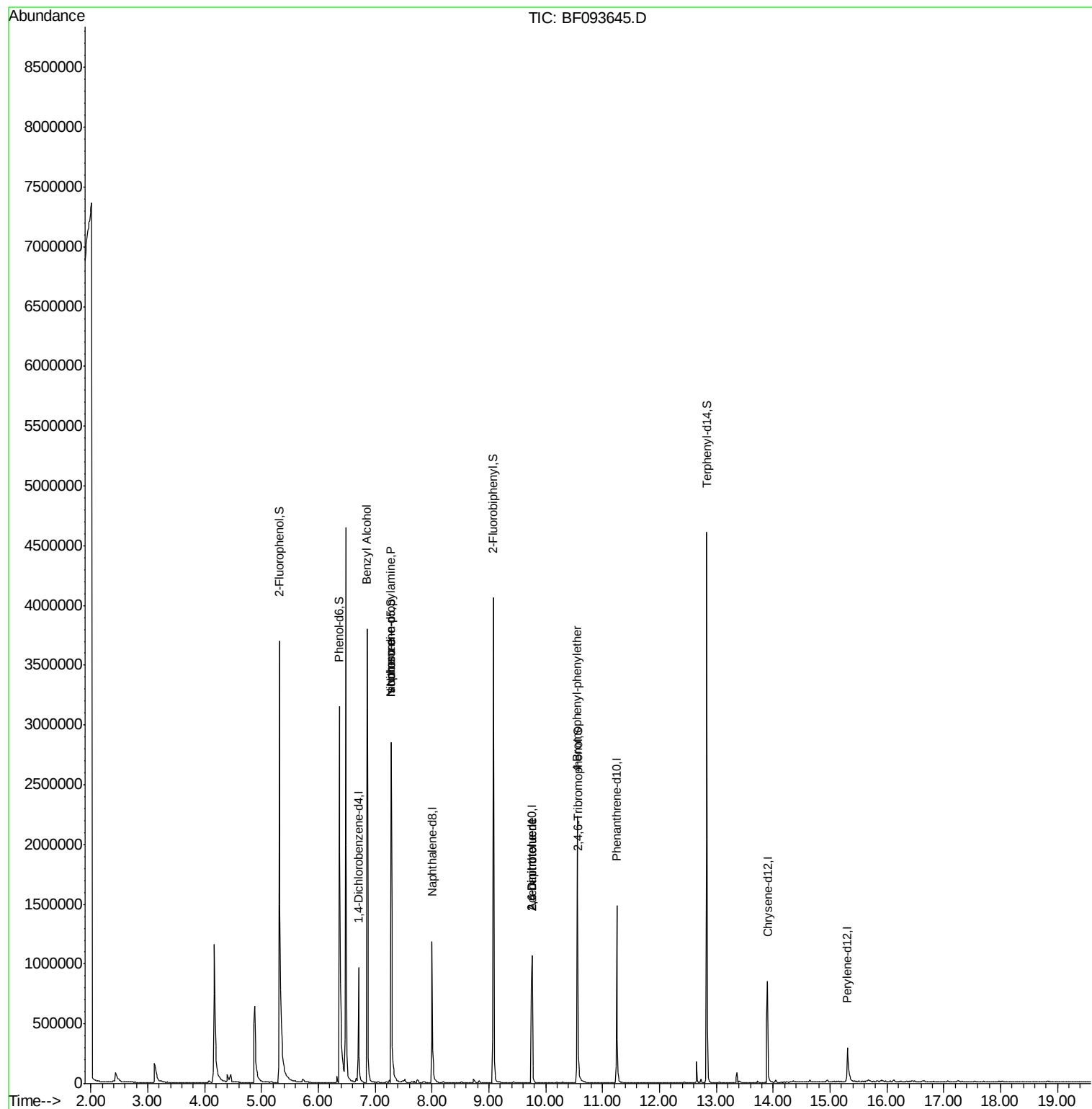
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	163996	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	643213	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	301721	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	592316	20.00	ng	0.00
75) Chrysene-d12	13.90	240	418033	20.00	ng	0.01
86) Perylene-d12	15.31	264	151640	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1510592	153.30	ng	0.00
7) Phenol-d6	6.37	99	1840675	148.13	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1198532	103.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	361758	184.03	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1892117	116.64	ng	-0.01
78) Terphenyl-d14	12.84	244	1572916	97.83	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	2086	Below Cal	#	1
15) Benzyl Alcohol	6.86	79	18949	2.14 ng	#	48
19) n-Nitroso-di-n-propylamine	7.28	70	157346	18.42 ng	#	85
25) Isophorone	7.28	82	1182851	50.60 ng	#	65
50) 2,6-Dinitrotoluene	9.76	165	37323	8.50 ng	#	32
56) 2,4-Dinitrotoluene	9.76	165	37324	6.92 ng	#	21
66) 4-Bromophenyl-phenylether	10.55	248	26173	4.18 ng	#	1

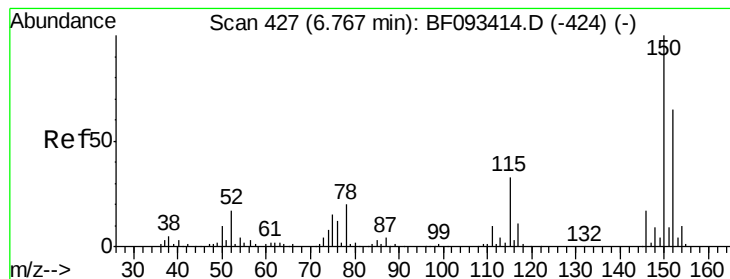
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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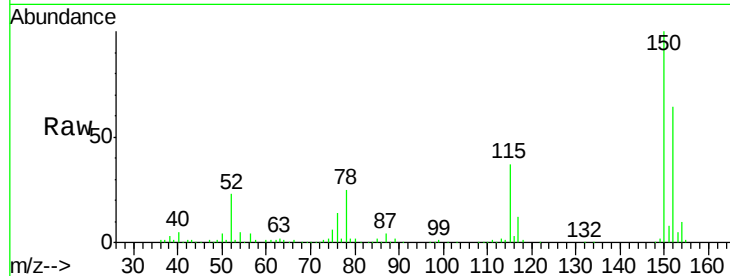


#1

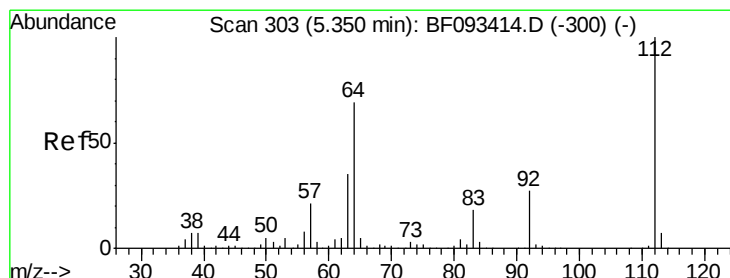
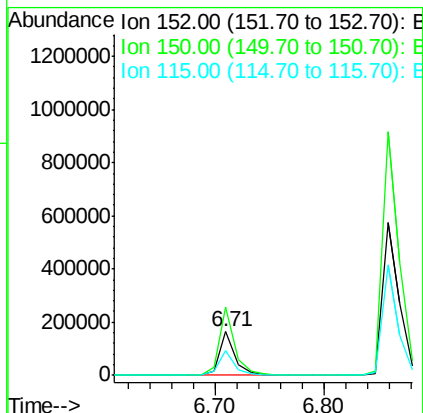
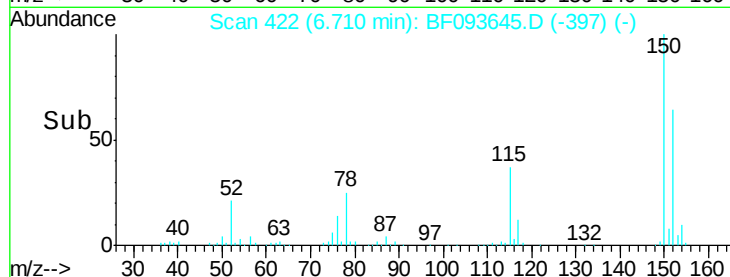
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 422
 Delta R.T. -0.01 min
 Lab File: BF093645.D
 Acq: 14 Mar 2017 8:57

Instrument :
 BNA_M
 ClientSampleId :
 D-121

Tot Ion:152 Resp: 163996
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.9 187.3
 115 57.8 46.0 69.0



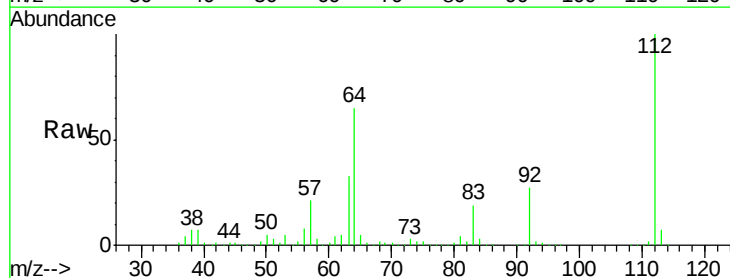
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



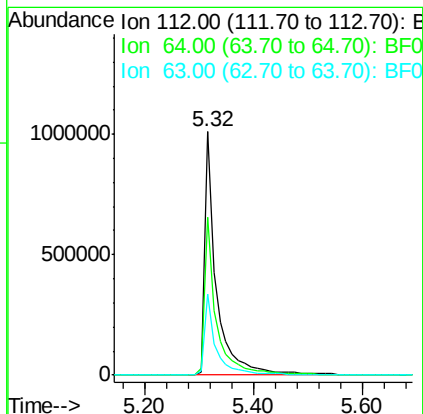
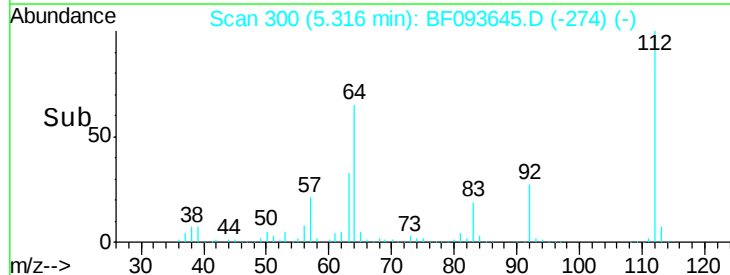
#5

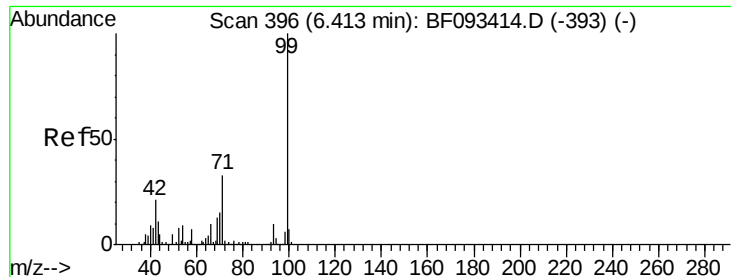
2-Fluorophenol
 Concen: 153.30 ng
 RT: 5.32 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: BF093645.D
 Acq: 14 Mar 2017 8:57

Tgt Ion:112 Resp: 1510592
 Ion Ratio Lower Upper
 112 100
 64 64.9 46.1 69.1
 63 33.2 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: 148.13 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

Instrument :

BNA_M

ClientSampleId :

D-121

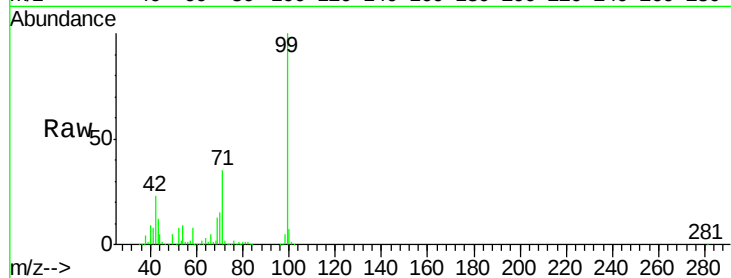
Tot Ion: 99 Resp: 1840675

Ion Ratio Lower Upper

99 100

42 23.2 15.6 23.4

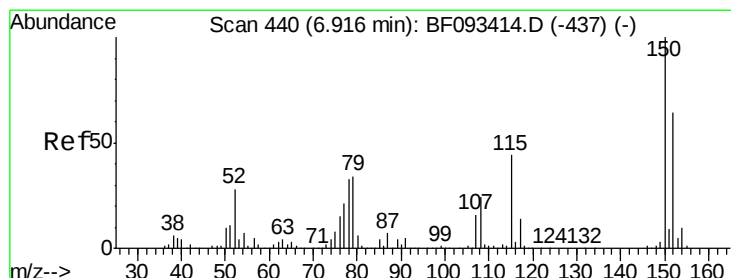
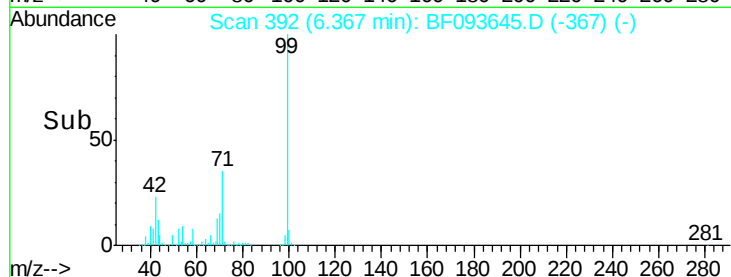
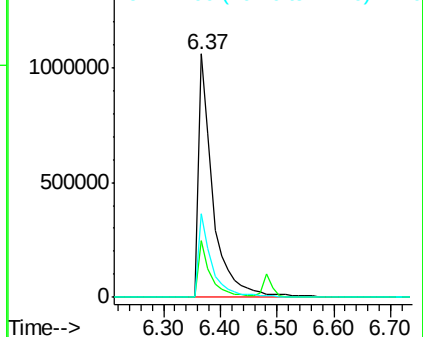
71 34.5 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

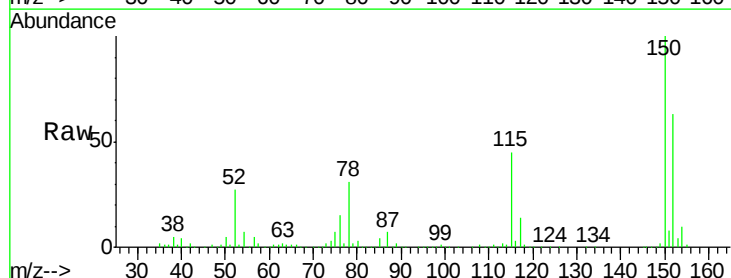
Tgt Ion: 79 Resp: 18949

Ion Ratio Lower Upper

79 100

108 26.9 61.4 92.0#

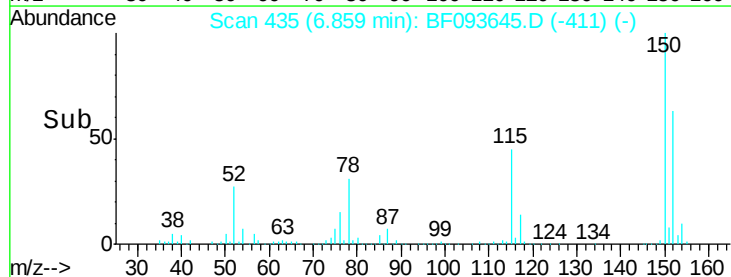
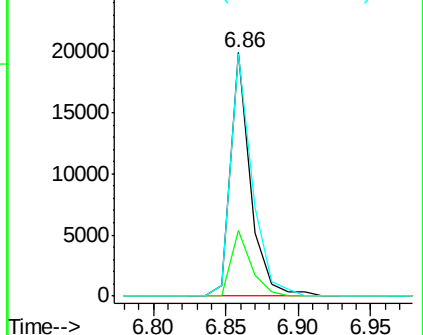
77 99.3 50.9 76.3#

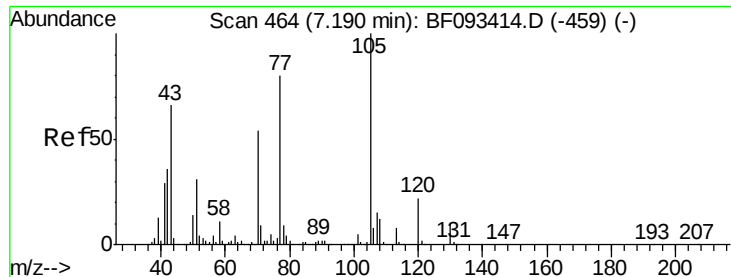


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

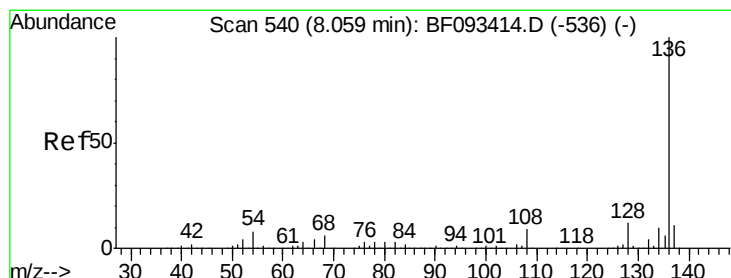
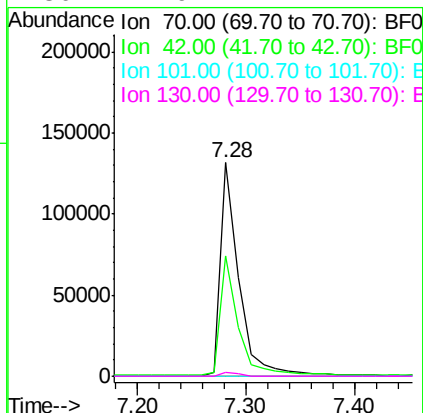
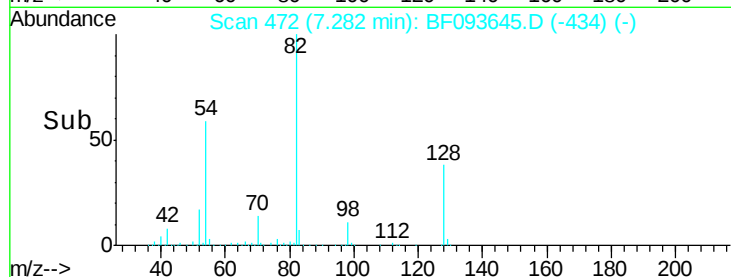
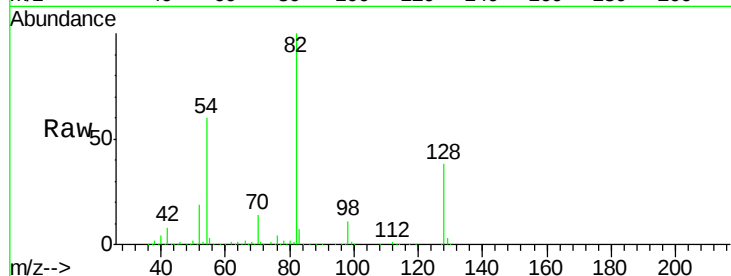




#19
n-Nitroso-di-n-propylamine
Concen: 18.42 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093645.D
Acq: 14 Mar 2017 8:57

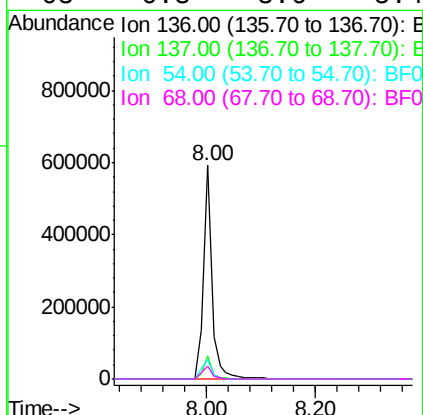
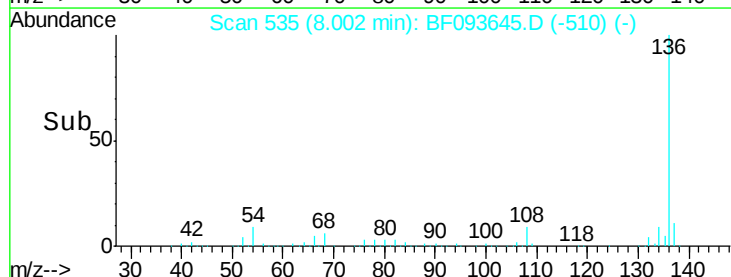
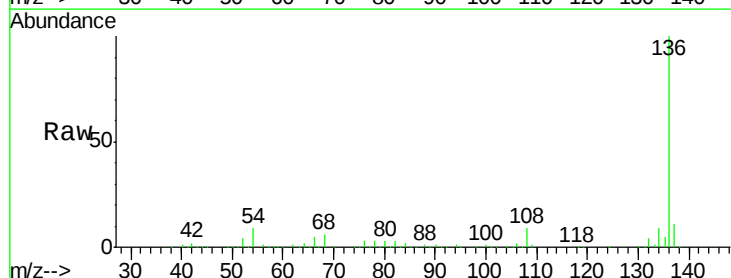
Instrument :
BNA_M
ClientSampleId :
D-121

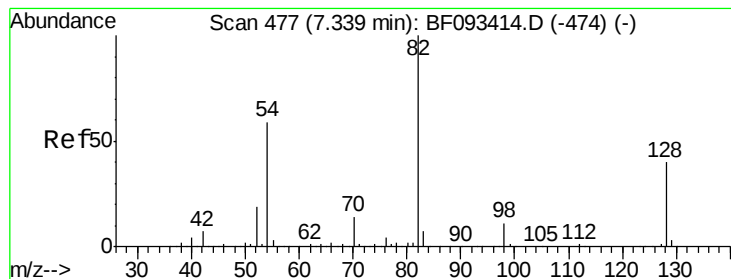
Tot Ion: 70 Resp: 157346
Ion Ratio Lower Upper
70 100
42 56.5 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093645.D
Acq: 14 Mar 2017 8:57

Tgt Ion: 136 Resp: 643213
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.9 4.5 6.7#
68 6.3 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 103.39 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

Instrument :

BNA_M

ClientSampleId :

D-121

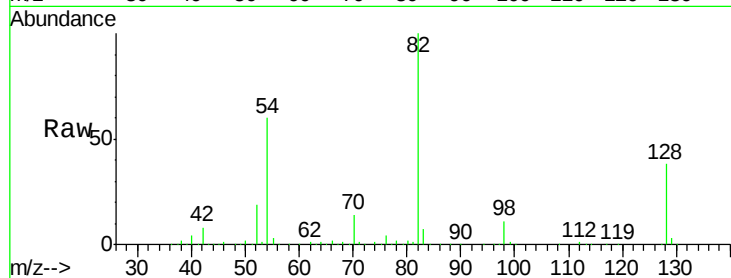
Tot Ion: 82 Resp: 1198532

Ion Ratio Lower Upper

82 100

128 37.9 34.6 52.0

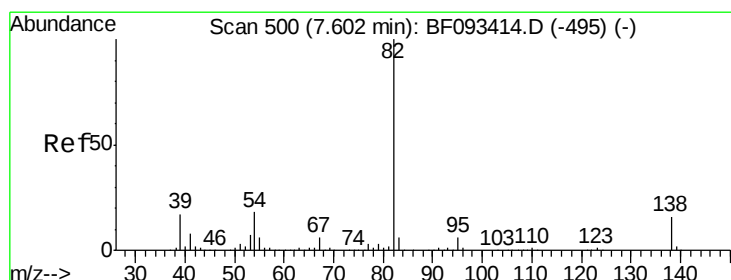
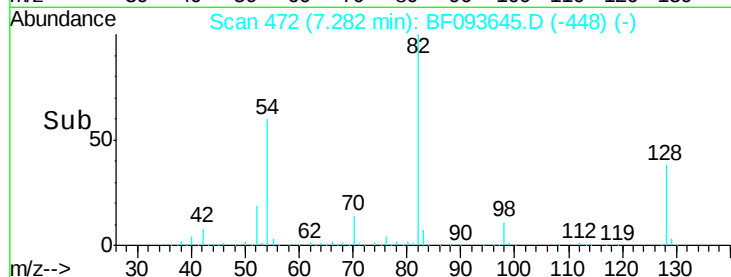
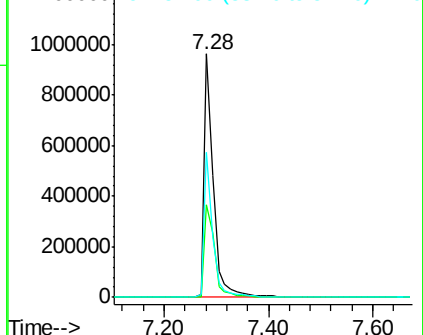
54 59.8 39.5 59.3#



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: 50.60 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

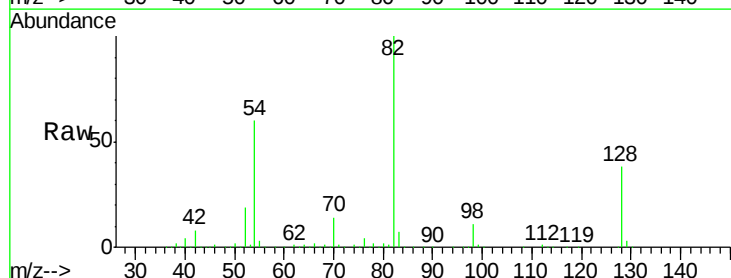
Tgt Ion: 82 Resp: 1182851

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

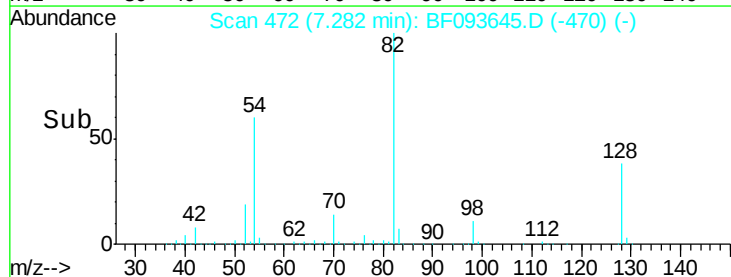
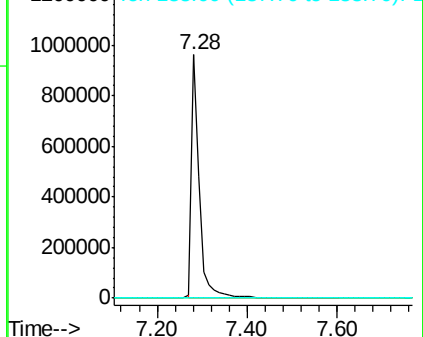
138 0.0 14.6 22.0#

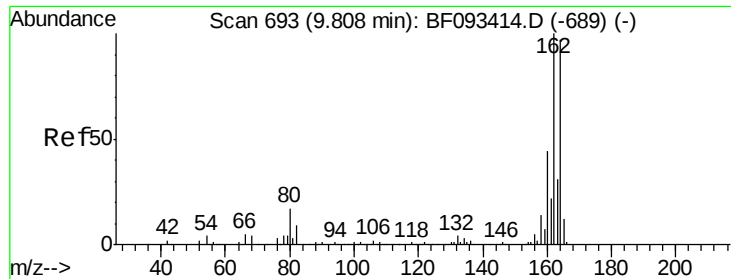


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF093645.D

Acq: 14 Mar 2017 8:57

Instrument :

BNA_M

ClientSampleId :

D-121

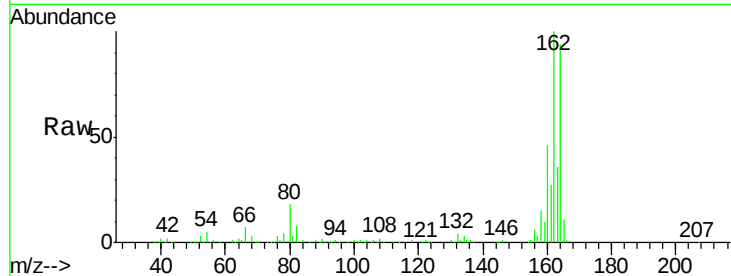
Tot Ion:164 Resp: 301721

Ion Ratio Lower Upper

164 100

162 106.8 80.2 120.2

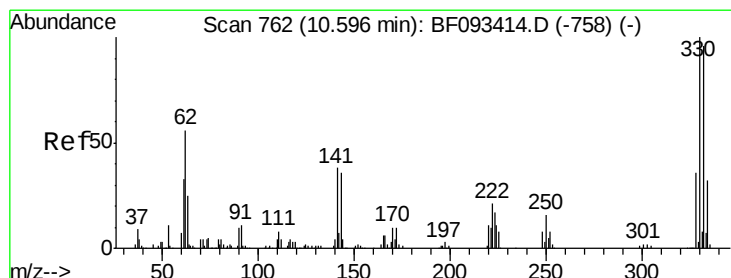
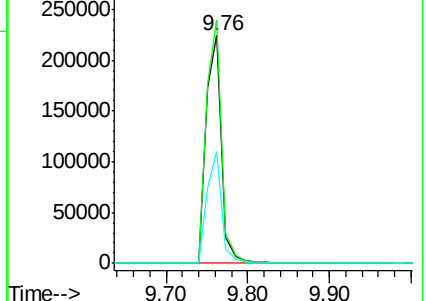
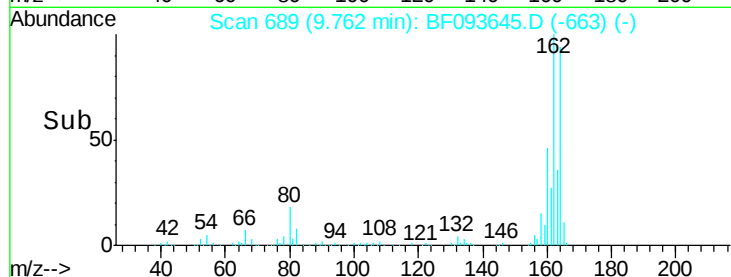
160 48.8 36.9 55.3



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: 184.03 ng

RT: 10.56 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

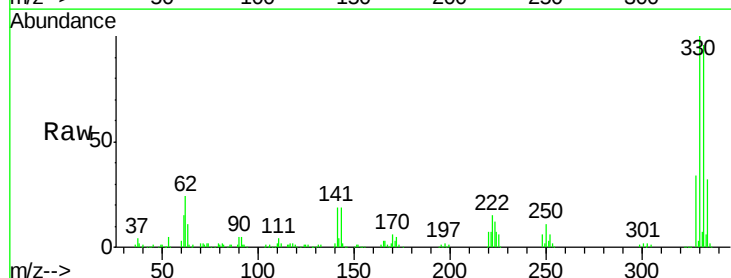
Tgt Ion:330 Resp: 361758

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.2

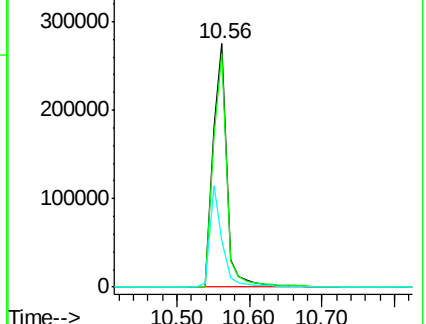
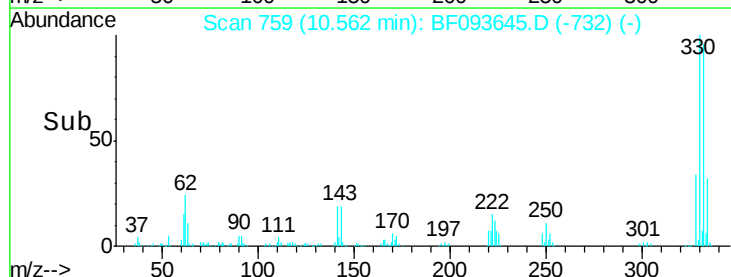
141 38.2 34.1 51.1

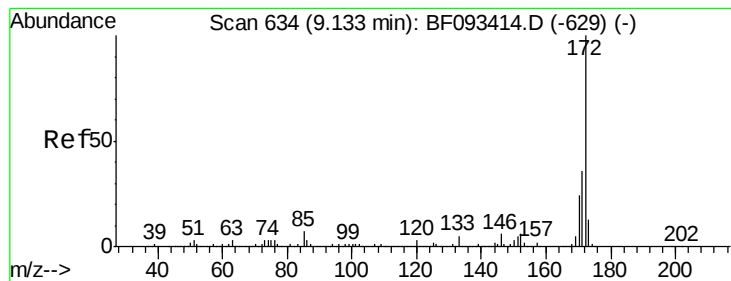


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 116.64 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

Instrument :

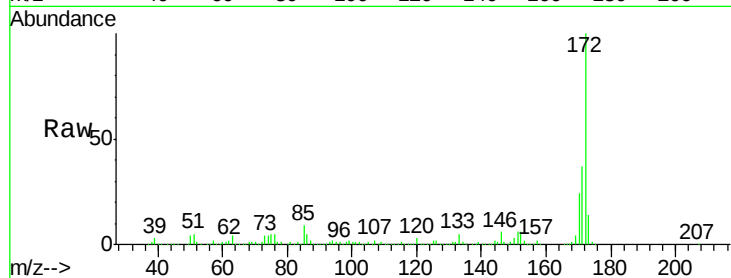
BNA_M

ClientSampleId :

D-121

Tot Ion:172 Resp: 1892117

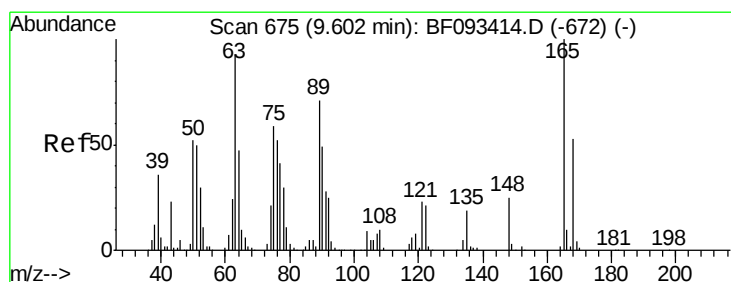
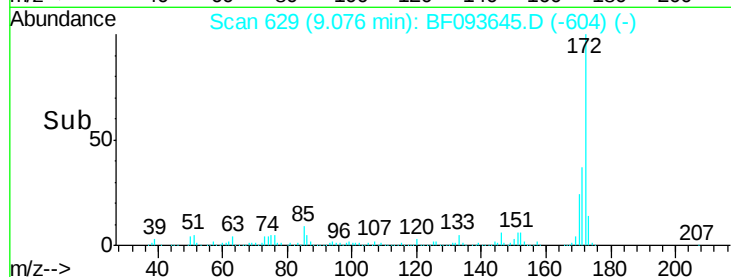
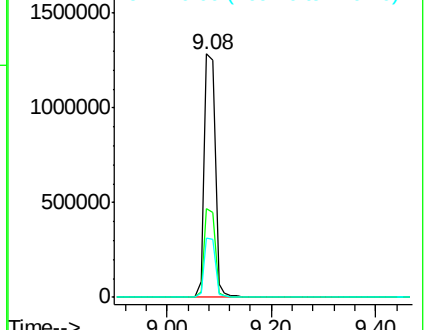
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.5	20.2	30.4



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



#50

2,6-Dinitrotoluene

Concen: 8.50 ng

RT: 9.76 min Scan# 689

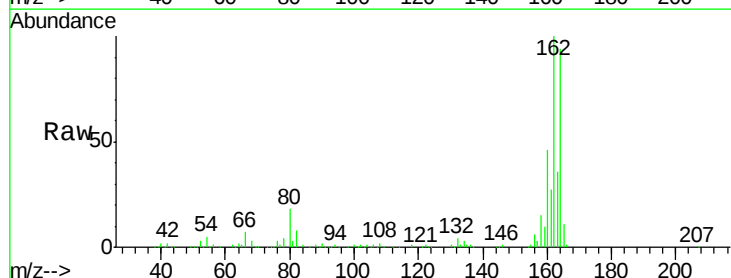
Delta R.T. 0.19 min

Lab File: BF093645.D

Acq: 14 Mar 2017 8:57

Tgt Ion:165 Resp: 37323

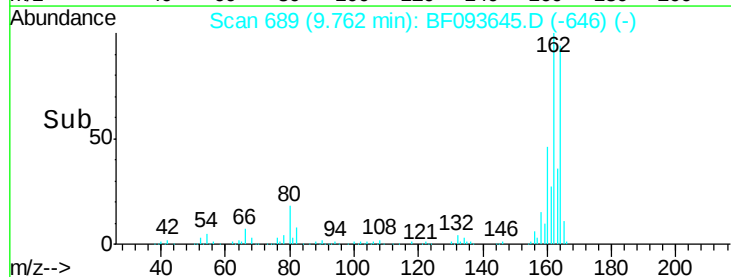
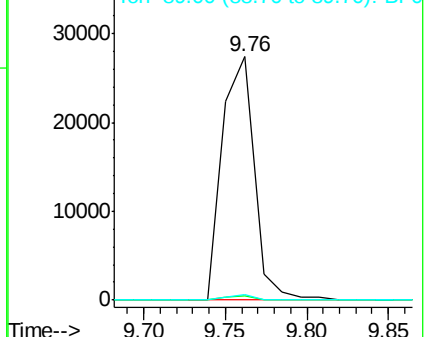
Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.2	54.4#
89	2.4	40.2	60.4#

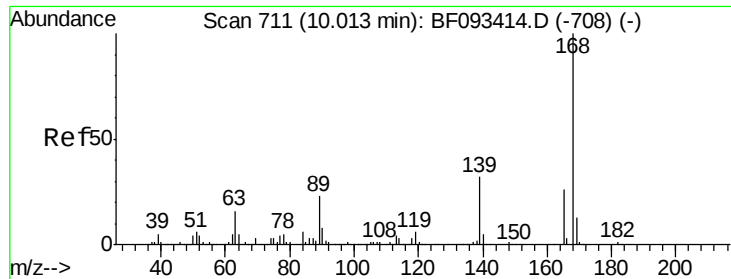


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

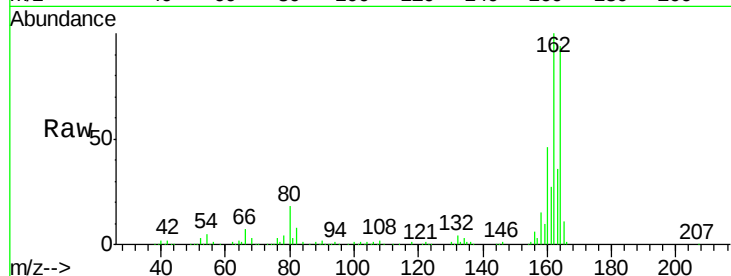




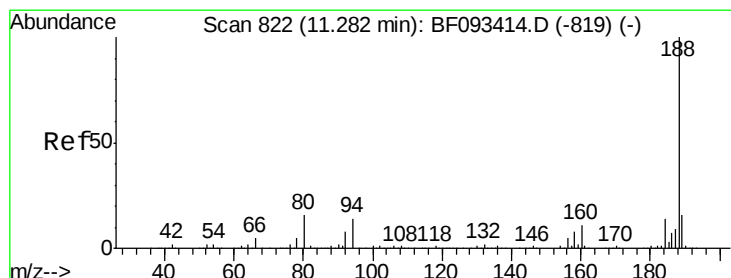
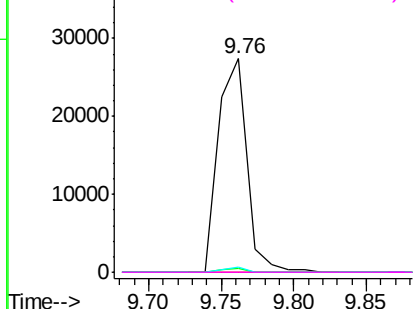
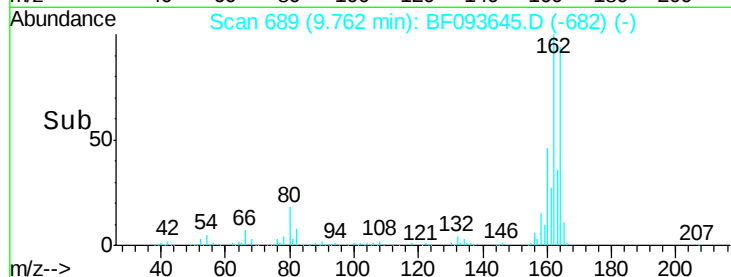
#56
 2,4-Dinitrotoluene
 Concen: 6.92 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093645.D
 Acq: 14 Mar 2017 8:57

Instrument :
 BNA_M
 ClientSampleId :
 D-121

Tot Ion:165 Resp: 37324
 Ion Ratio Lower Upper
 165 100
 63 1.7 40.2 60.4#
 89 2.4 62.5 93.7#
 182 0.0 1.8 2.8#

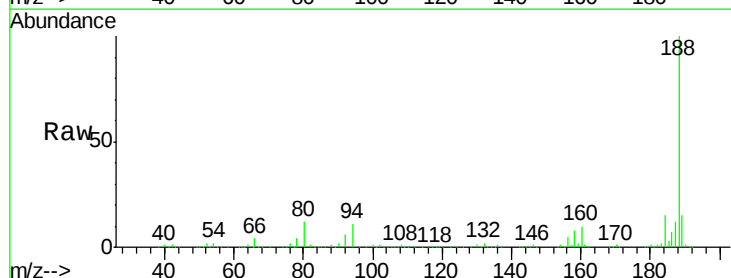


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

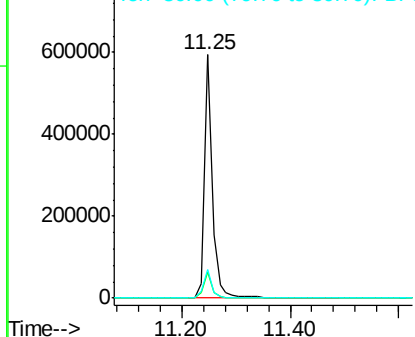
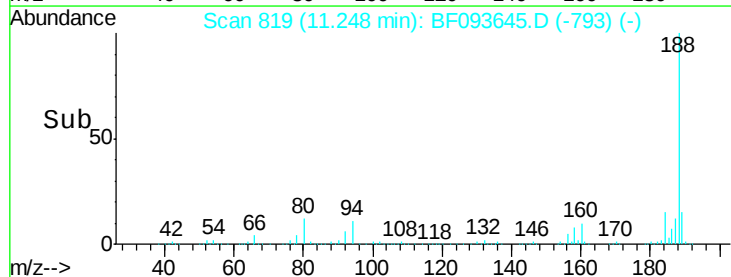


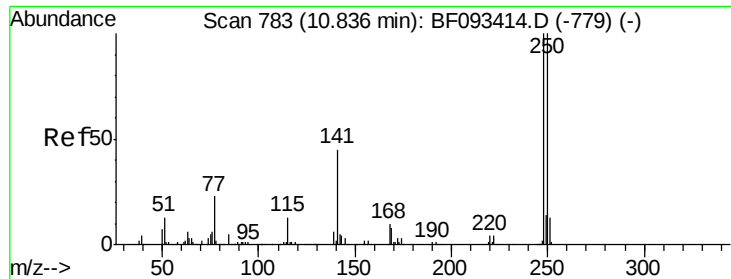
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093645.D
 Acq: 14 Mar 2017 8:57

Tgt Ion:188 Resp: 592316
 Ion Ratio Lower Upper
 188 100
 94 10.8 10.0 15.0
 80 11.9 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

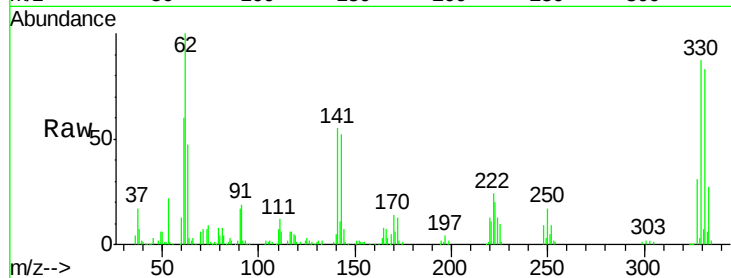




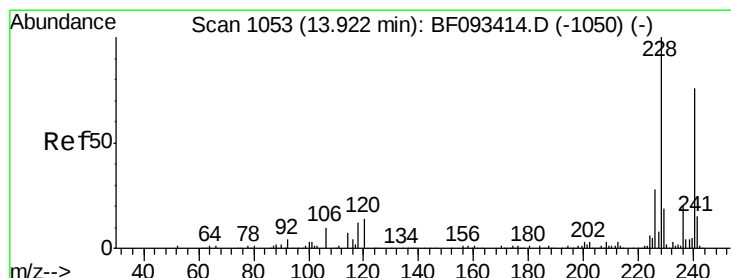
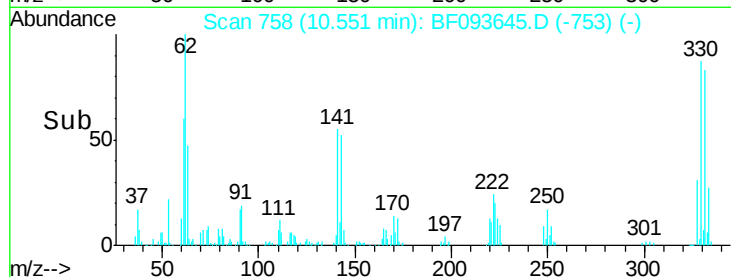
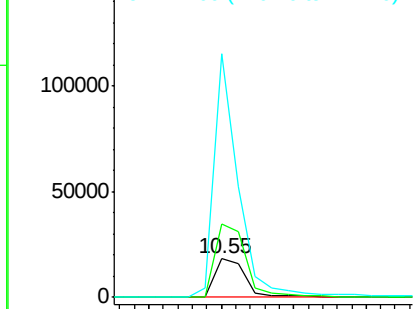
#66
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093645.D
Acq: 14 Mar 2017 8:57

Instrument :
BNA_M
ClientSampled :
D-121

Tot Ion:248 Resp: 26173
Ion Ratio Lower Upper
248 100
250 192.1 76.9 115.3#
141 634.1 68.2 102.4#

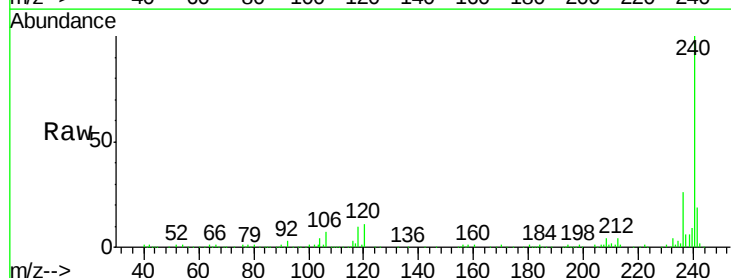


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

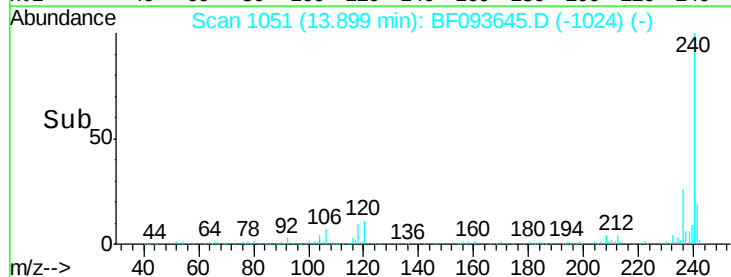
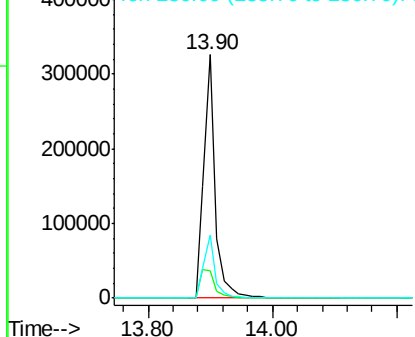


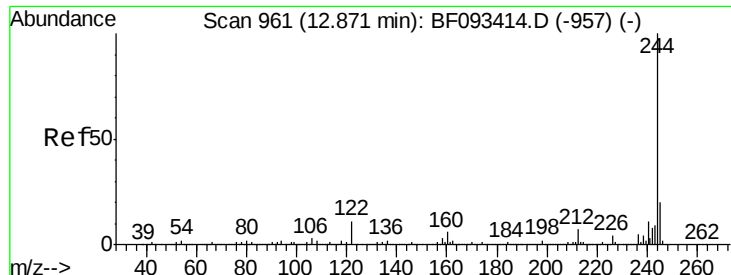
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF093645.D
Acq: 14 Mar 2017 8:57

Tgt Ion:240 Resp: 418033
Ion Ratio Lower Upper
240 100
120 11.3 12.9 19.3#
236 25.8 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



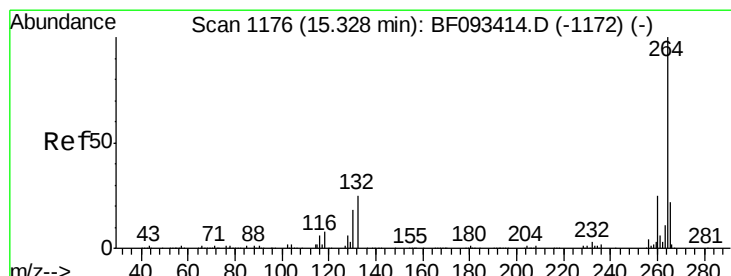
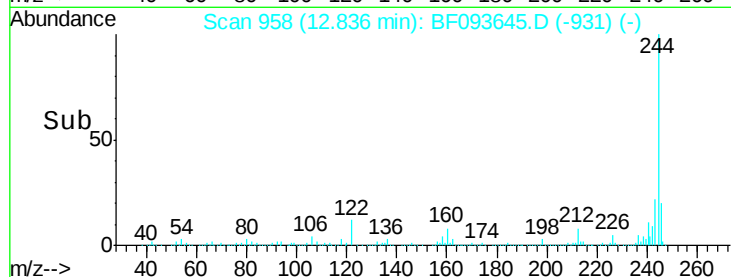
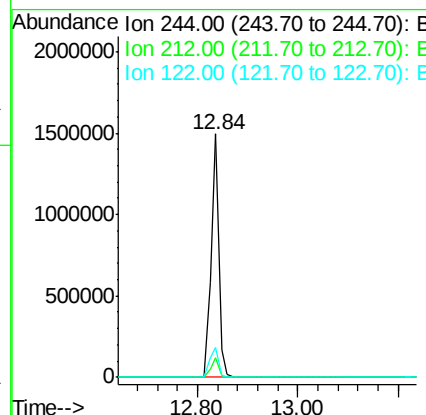
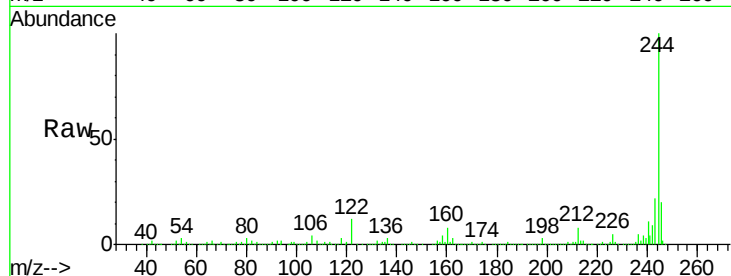


#78
 Terphenyl-d14
 Concen: 97.83 ng
 RT: 12.84 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF093645.D
 Acq: 14 Mar 2017 8:57

Instrument :
 BNA_M
 ClientSampleId :
 D-121

Tot Ion:244 Resp: 1572916

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.3	11.4	17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BF093645.D
 Acq: 14 Mar 2017 8:57

Tgt Ion:264 Resp: 151640

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	20.0	17.4	26.0

