

Data Path : Z:\HPCHEM1\BNA F\Data\BF030617\
 Data File : BF093401.D
 Acq On : 6 Mar 2017 15:28
 Operator : SJ/MA
 Sample : I2076-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 39A-7-9

Quant Time: Mar 06 16:06:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

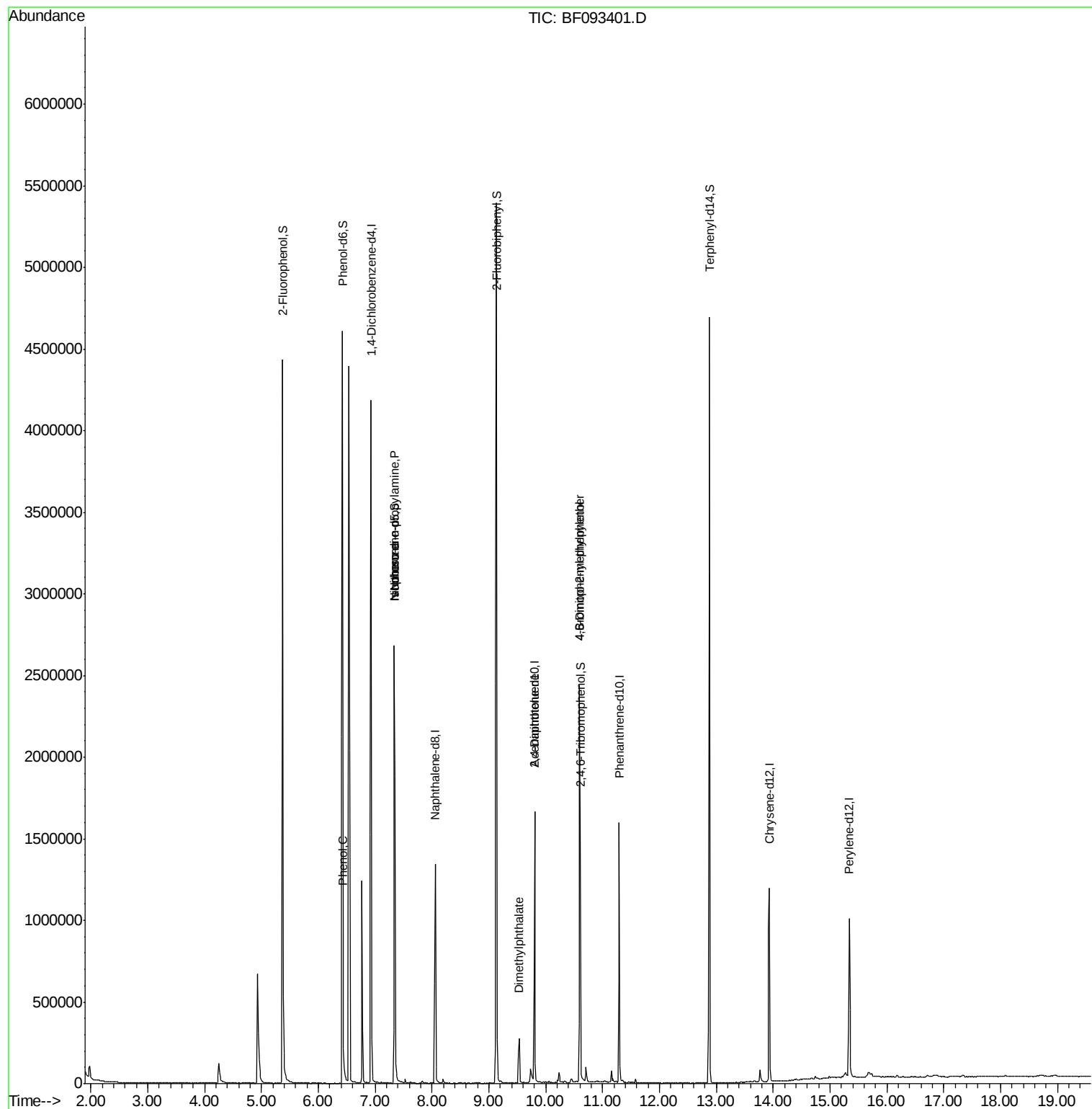
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	678047	20.00	ng	0.07
21) Naphthalene-d8	8.06	136	716579	20.00	ng	-0.09
38) Acenaphthene-d10	9.81	164	344984	20.00	ng	-0.09
63) Phenanthrene-d10	11.29	188	637107	20.00	ng	-0.09
75) Chrysene-d12	13.93	240	558757	20.00	ng	-0.09
86) Perylene-d12	15.34	264	426302	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1562490	39.53	ng	-0.07
7) Phenol-d6	6.42	99	1825146	35.89	ng	-0.06
23) Nitrobenzene-d5	7.34	82	1209112	93.96	ng	-0.09
41) 2,4,6-Tribromophenol	10.61	330	397338	159.24	ng	-0.07
44) 2-Fluorobiphenyl	9.13	172	1912805	100.45	ng	-0.09
78) Terphenyl-d14	12.88	244	1807661	76.02	ng	-0.09
Target Compounds						
10) Phenol	6.44	94	146281	2.46	ng	# 71
19) n-Nitroso-di-n-propylamine	7.34	70	160852	4.97	ng	# 83
25) Isophorone	7.34	82	1128535	47.06	ng	# 65
49) Dimethylphthalate	9.53	163	155916	6.71	ng	100
56) 2,4-Dinitrotoluene	9.81	165	44105	6.60	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.60	198	737	2.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	26211	3.94	ng	# 1

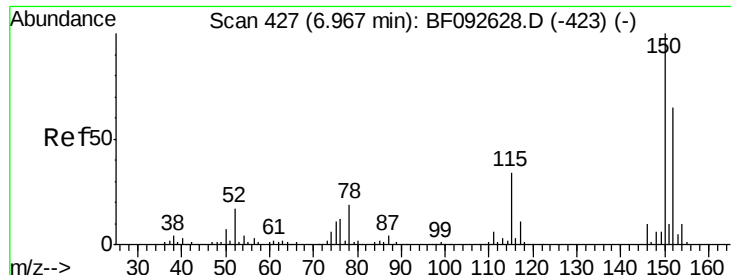
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 441

Delta R.T. 0.07 min

Lab File: BF093401.D

Acq: 6 Mar 2017 15:28

Instrument :

BNA_F

ClientSampleId :

39A-7-9

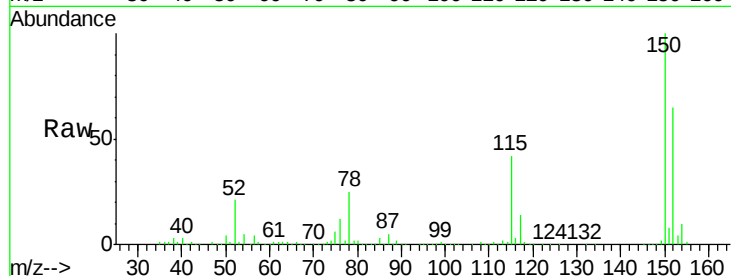
Tot Ion:152 Resp: 678047

Ion Ratio Lower Upper

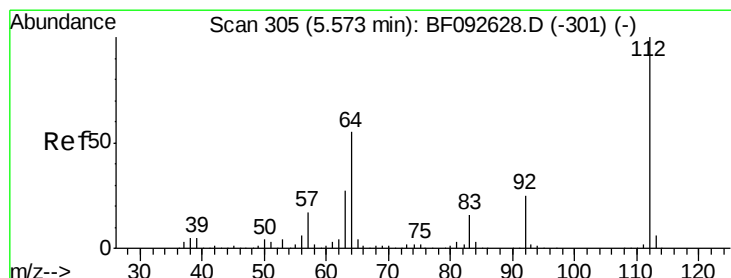
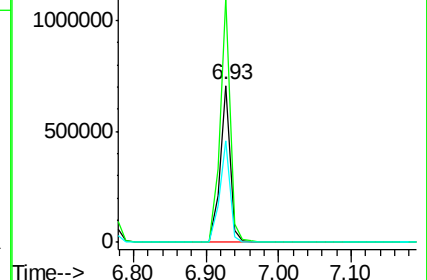
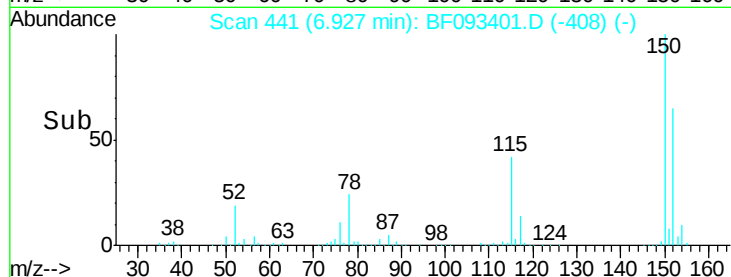
152 100

150 155.0 124.9 187.3

115 64.8 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: 39.53 ng

RT: 5.37 min Scan# 305

Delta R.T. -0.07 min

Lab File: BF093401.D

Acq: 6 Mar 2017 15:28

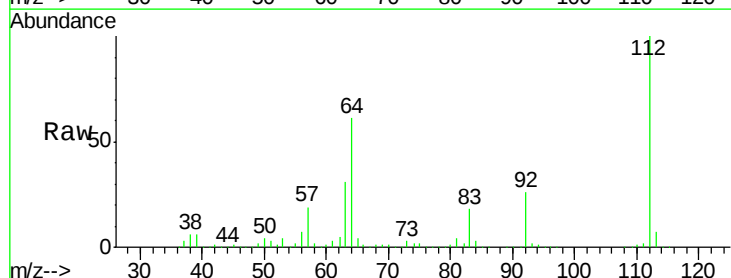
Tgt Ion:112 Resp: 1562490

Ion Ratio Lower Upper

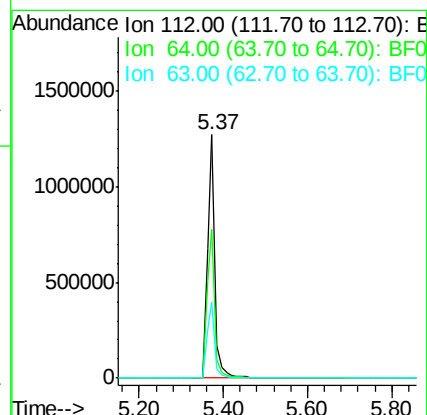
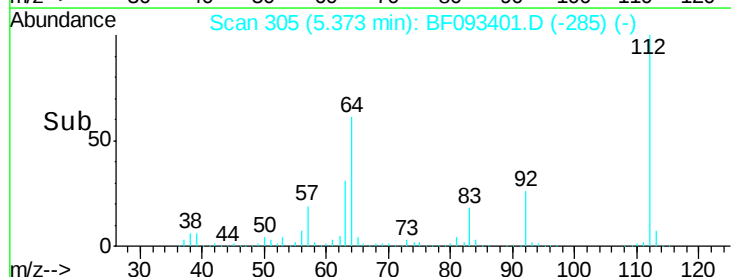
112 100

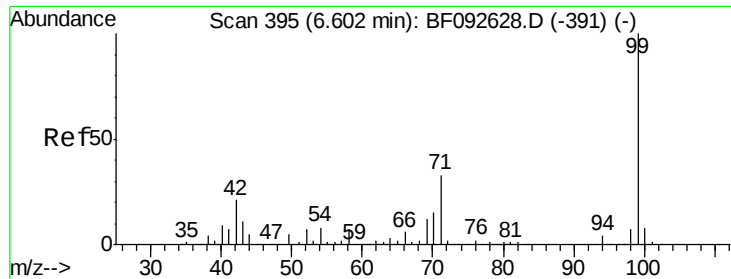
64 61.4 46.1 69.1

63 31.3 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

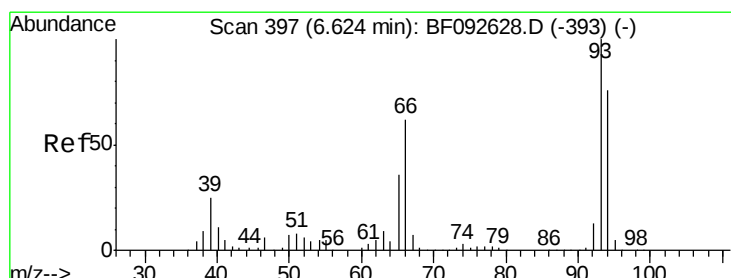
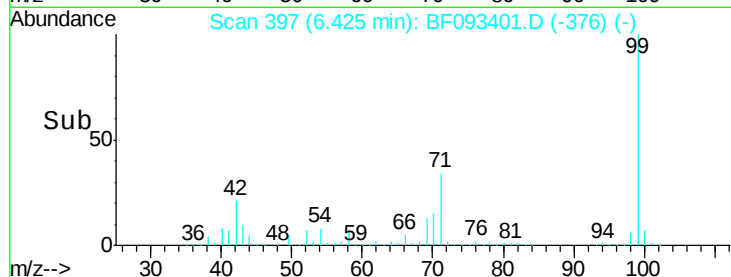
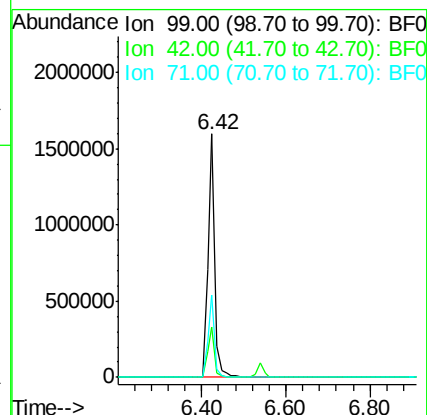
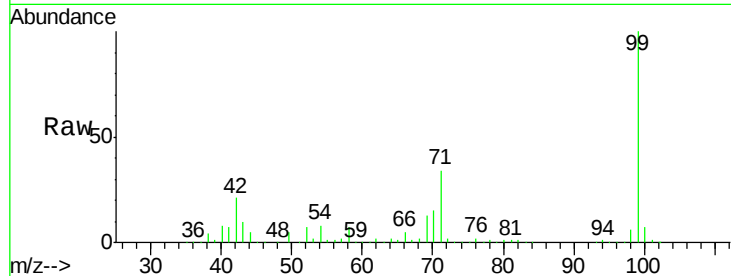




#7
Phenol-d6
Concen: 35.89 ng
RT: 6.42 min Scan# 397
Delta R.T. -0.06 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

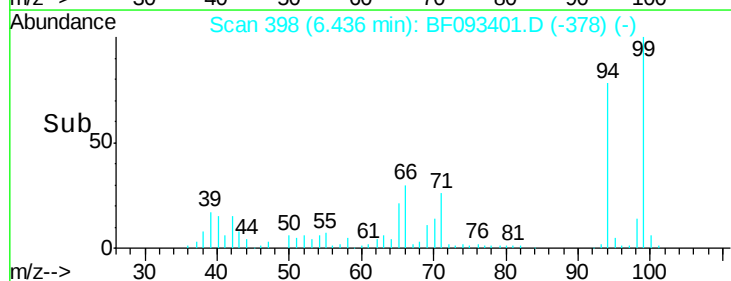
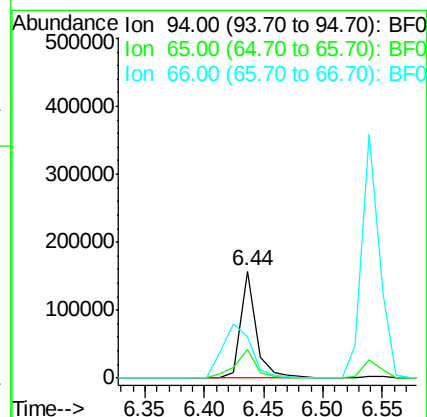
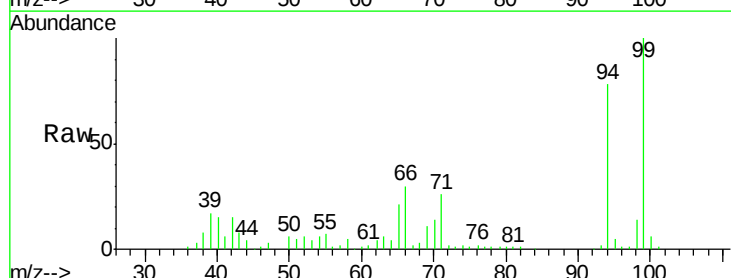
Instrument :
BNA_F
ClientSampleId :
39A-7-9

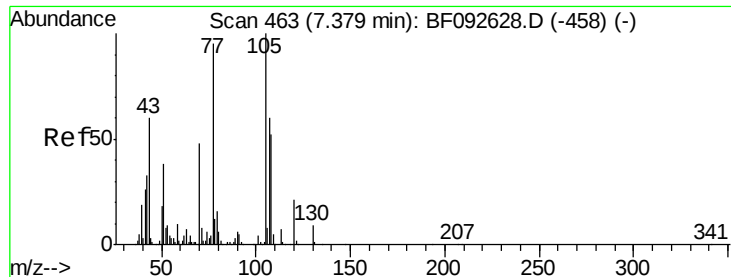
Tot Ion: 99 Resp: 1825146
Ion Ratio Lower Upper
99 100
42 20.9 15.6 23.4
71 33.8 27.5 41.3



#10
Phenol
Concen: 2.46 ng
RT: 6.44 min Scan# 398
Delta R.T. -0.07 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

Tgt Ion: 94 Resp: 146281
Ion Ratio Lower Upper
94 100
65 27.1 21.4 61.4
66 38.0 44.0 84.0#

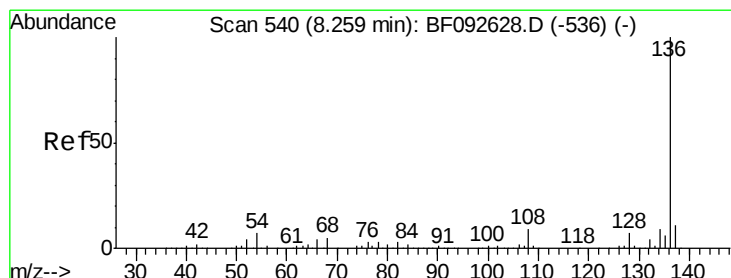
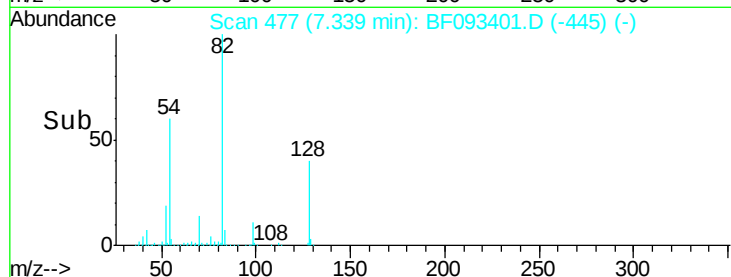
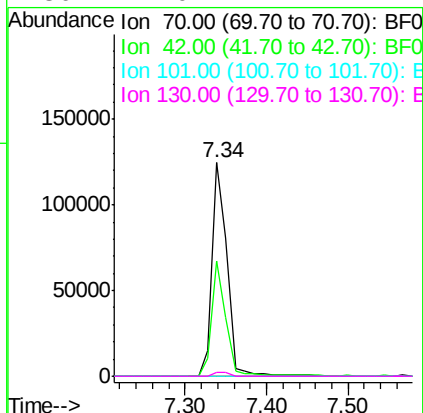
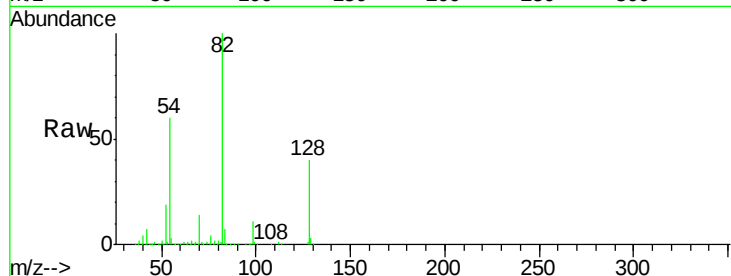




#19
n-Nitroso-di-n-propylamine
Concen: 4.97 ng
RT: 7.34 min Scan# 477
Delta R.T. 0.06 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

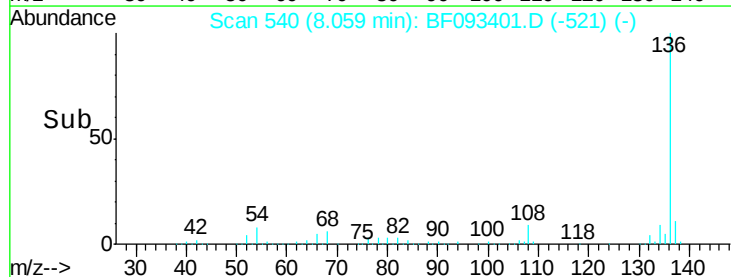
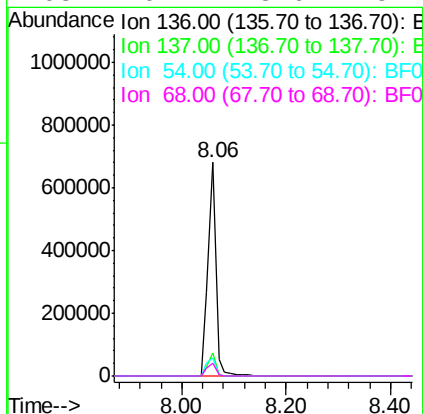
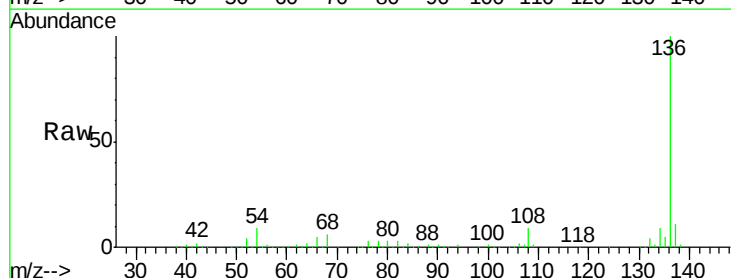
Instrument :
BNA_F
ClientSampleId :
39A-7-9

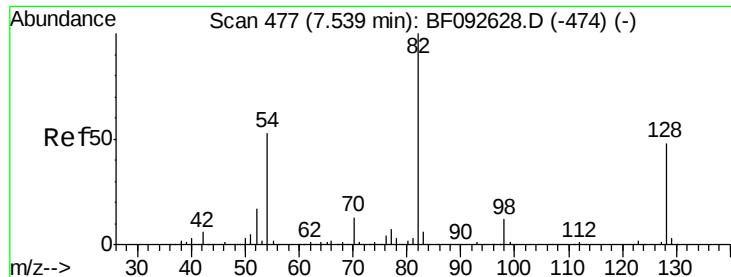
Tot Ion: 70 Resp: 160852
Ion Ratio Lower Upper
70 100
42 54.2 49.4 74.0
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.09 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

Tgt Ion: 136 Resp: 716579
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.5 4.5 6.7#
68 6.1 3.6 5.4#

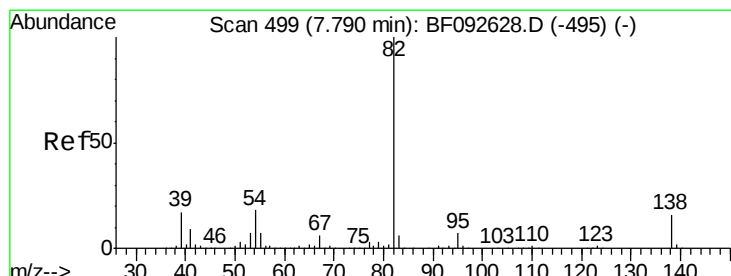
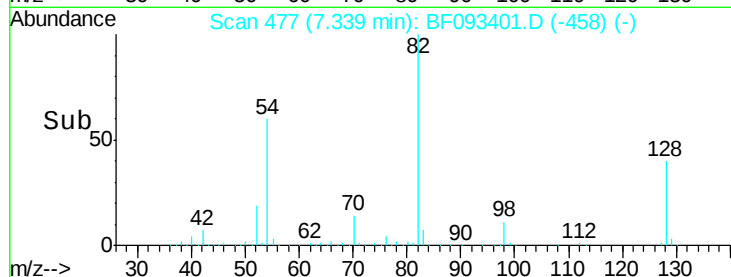
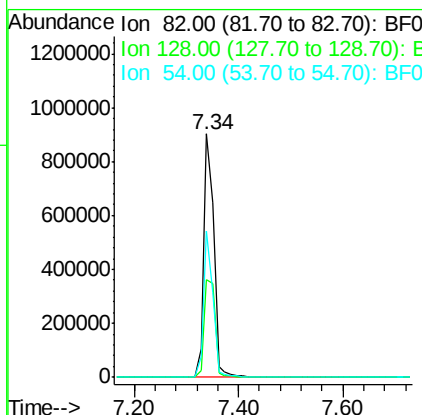
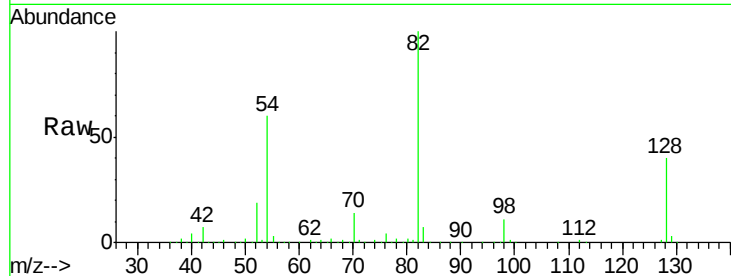




#23
 Nitrobenzene-d5
 Concen: 93.96 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.09 min
 Lab File: BF093401.D
 Acq: 6 Mar 2017 15:28

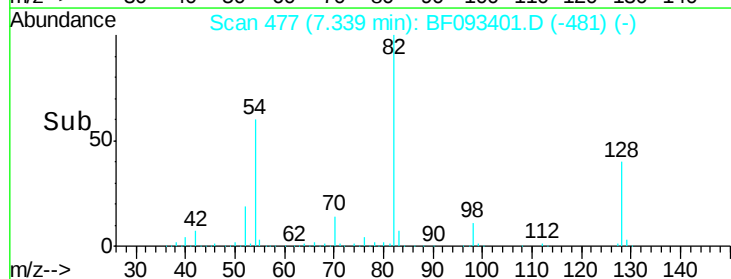
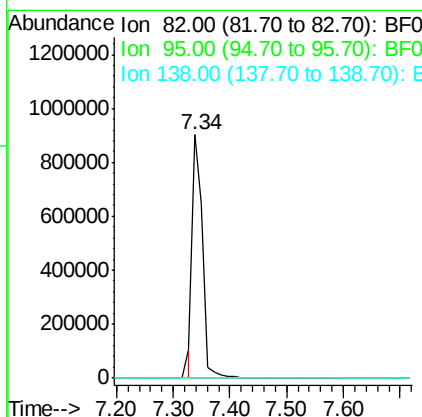
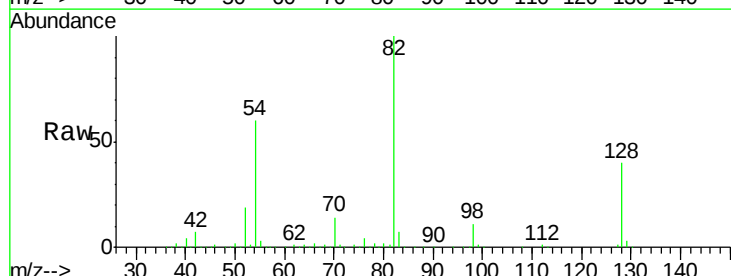
Instrument :
 BNA_F
 ClientSampleID :
 39A-7-9

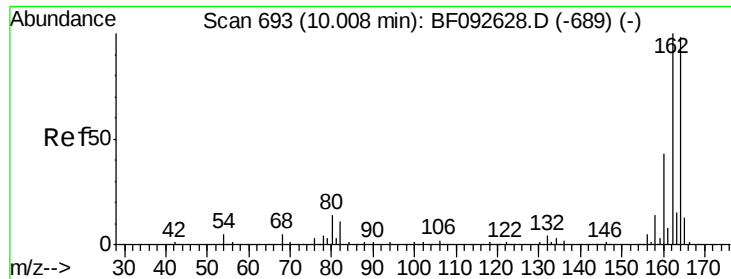
Tot Ion: 82 Resp: 1209112
 Ion Ratio Lower Upper
 82 100
 128 40.1 34.6 52.0
 54 60.0 39.5 59.3#



#25
 Isophorone
 Concen: 47.06 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.35 min
 Lab File: BF093401.D
 Acq: 6 Mar 2017 15:28

Tgt Ion: 82 Resp: 1128535
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

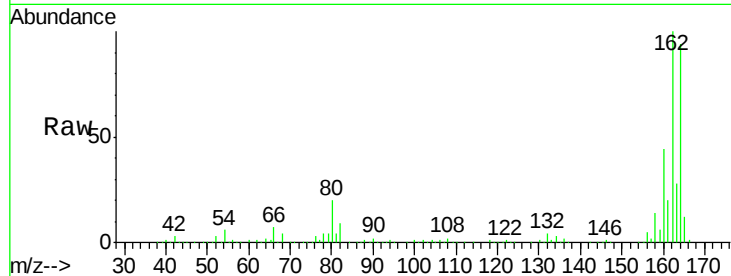




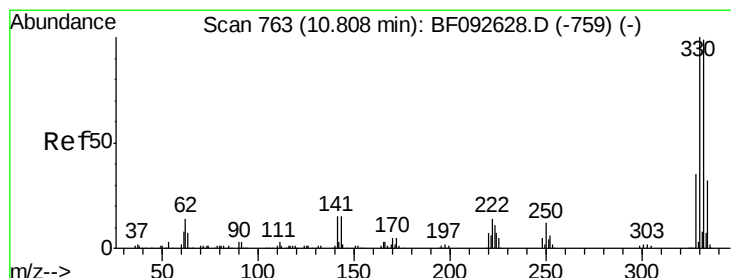
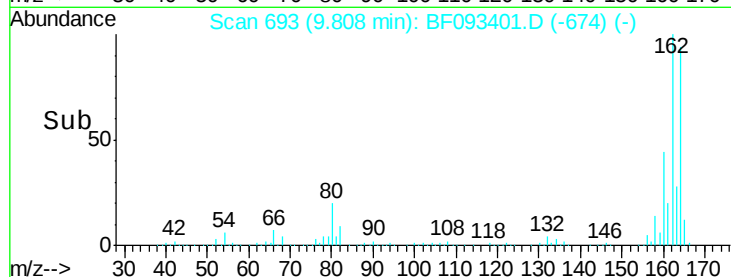
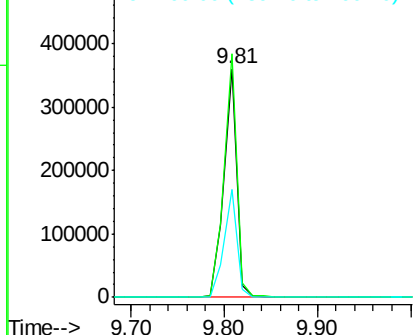
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 693
 Delta R.T. -0.09 min
 Lab File: BF093401.D
 Acq: 6 Mar 2017 15:28

Instrument :
 BNA_F
 ClientSampleId :
 39A-7-9

Tot Ion:164 Resp: 344984
 Ion Ratio Lower Upper
 164 100
 162 106.5 80.2 120.2
 160 47.0 36.9 55.3

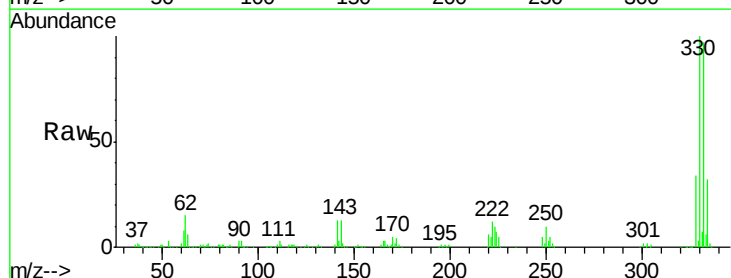


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

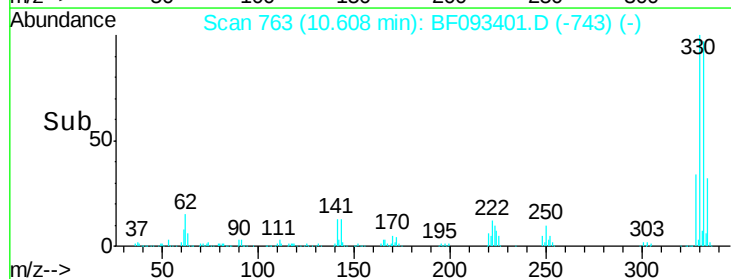
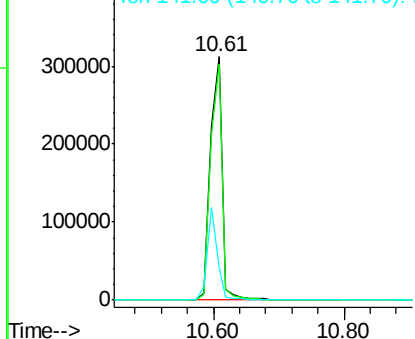


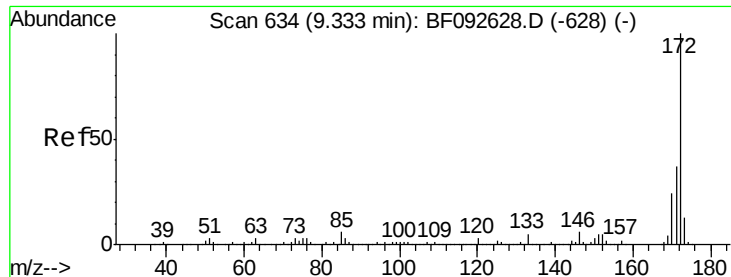
#41
 2,4,6-Tribromophenol
 Concen: 159.24 ng
 RT: 10.61 min Scan# 763
 Delta R.T. -0.07 min
 Lab File: BF093401.D
 Acq: 6 Mar 2017 15:28

Tgt Ion:330 Resp: 397338
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 32.8 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

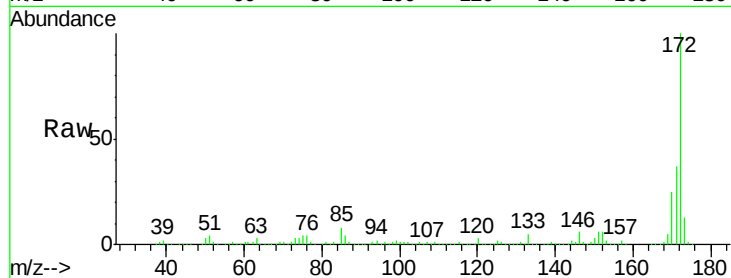




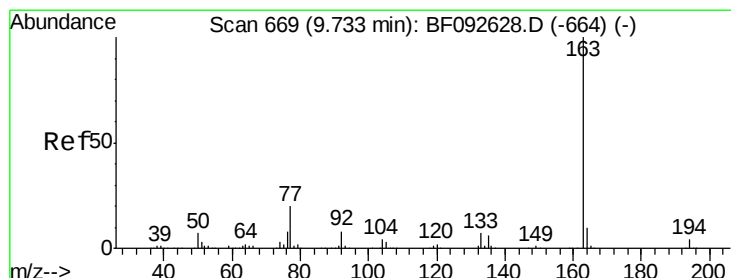
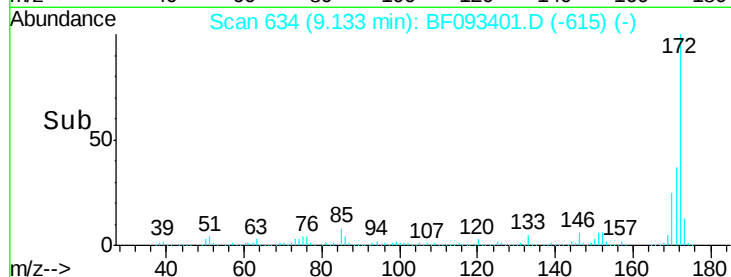
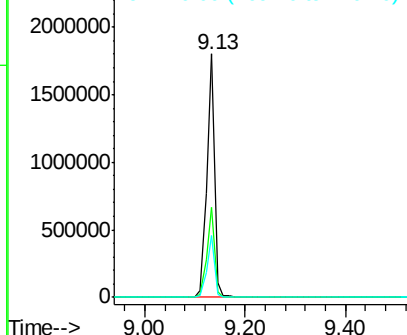
#44
2-Fluorobiphenyl
Concen: 100.45 ng
RT: 9.13 min Scan# 634
Delta R.T. -0.09 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

Instrument :
BNA_F
ClientSampleId :
39A-7-9

Tot Ion:172 Resp: 1912805
Ion Ratio Lower Upper
172 100
171 37.0 29.4 44.0
170 25.2 20.2 30.4

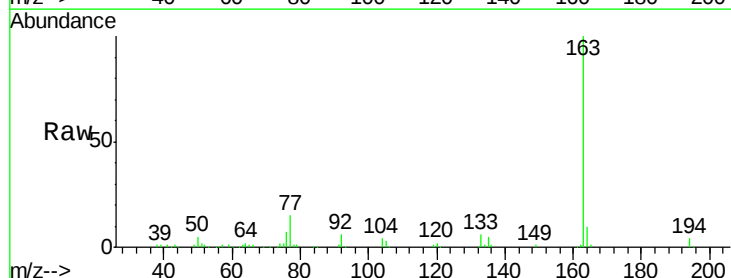


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

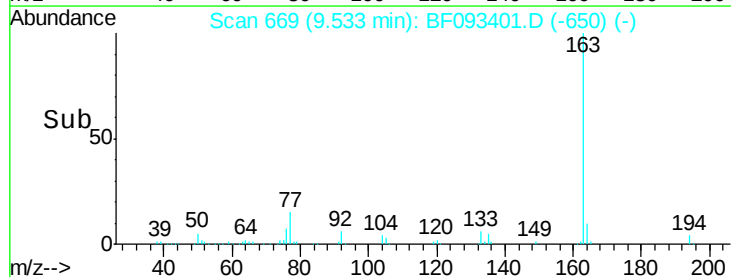
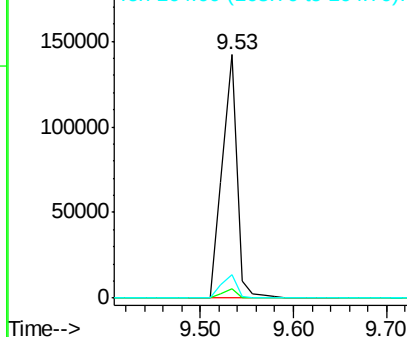


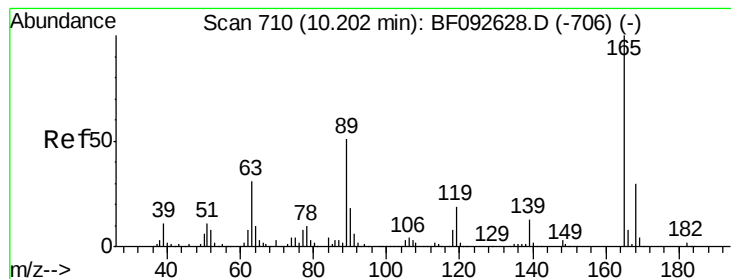
#49
Dimethylphthalate
Concen: 6.71 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.09 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

Tgt Ion:163 Resp: 155916
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 9.8 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





#56

2,4-Dinitrotoluene

Concen: 6.60 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.28 min

Lab File: BF093401.D

Acq: 6 Mar 2017 15:28

Instrument :

BNA_F

ClientSampleId :

39A-7-9

Tot Ion:165 Resp: 44105

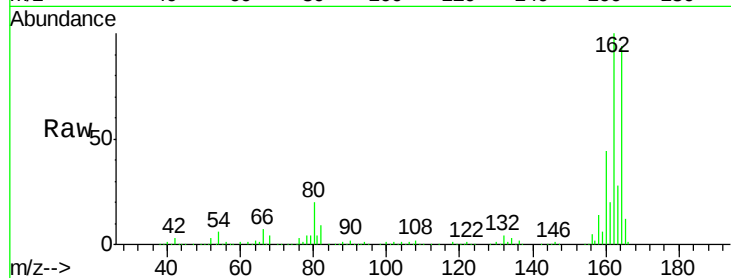
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

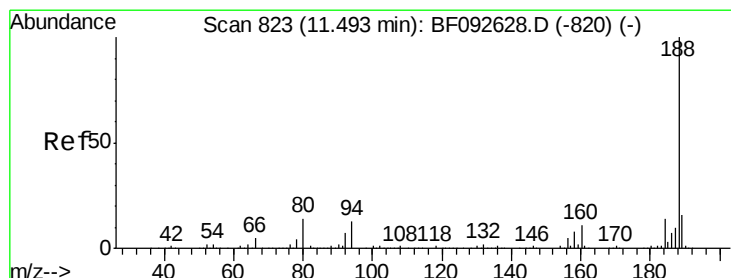
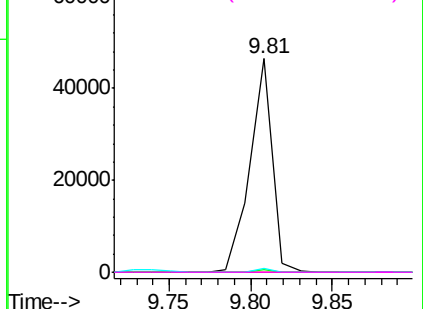
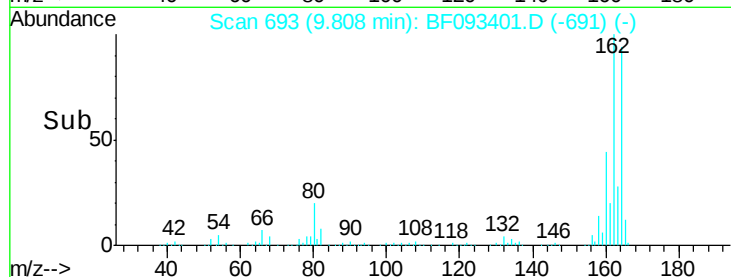


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.29 min Scan# 823

Delta R.T. -0.09 min

Lab File: BF093401.D

Acq: 6 Mar 2017 15:28

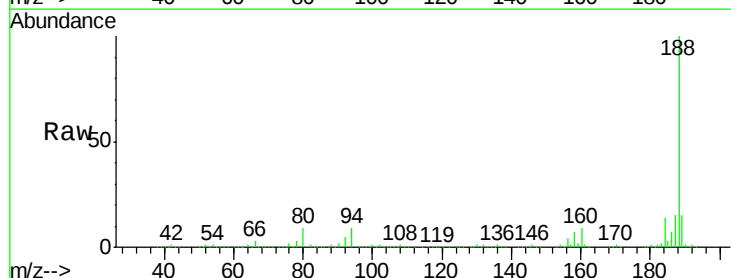
Tgt Ion:188 Resp: 637107

Ion Ratio Lower Upper

188 100

94 9.4 10.0 15.0#

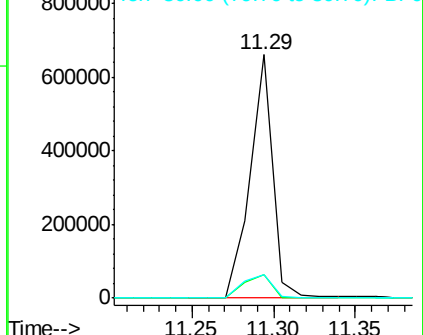
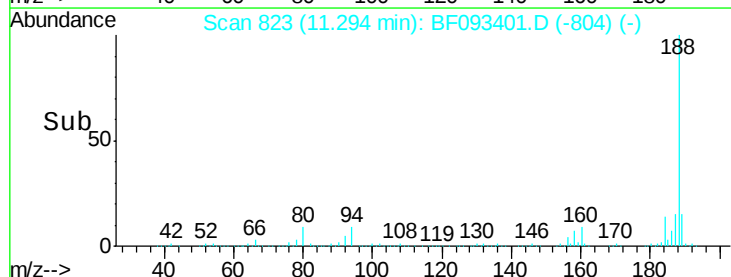
80 9.5 11.2 16.8#

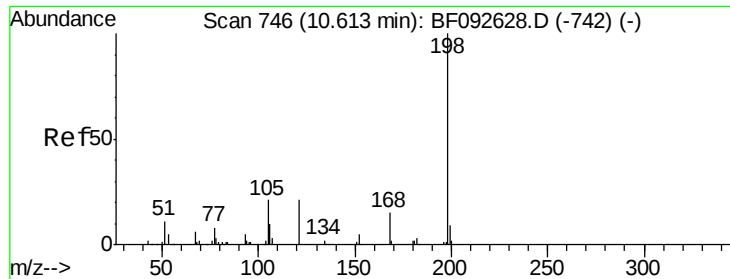


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

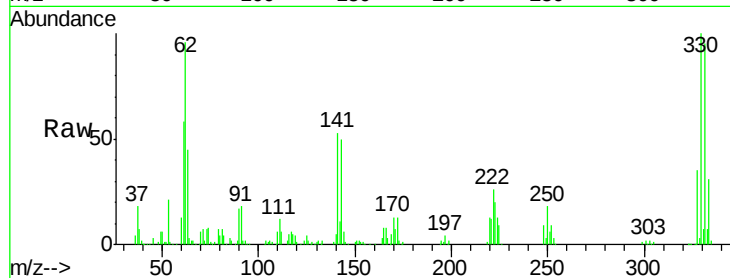




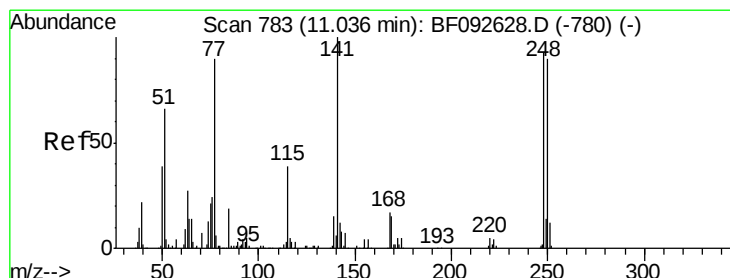
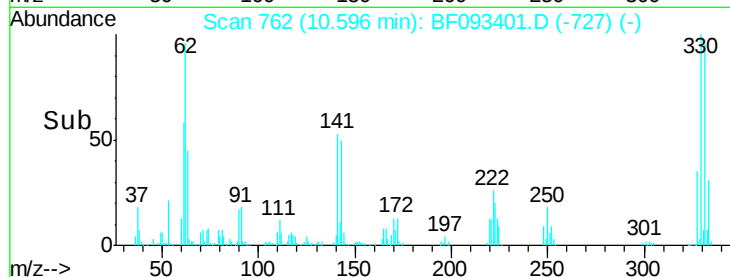
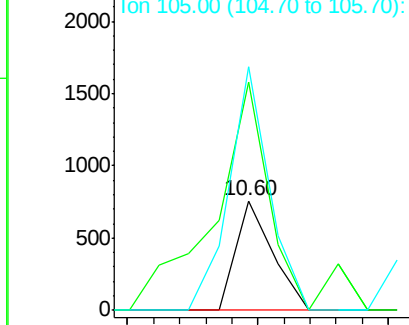
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.85 ng
 RT: 10.60 min Scan# 762
 Delta R.T. 0.10 min
 Lab File: BF093401.D
 Acq: 6 Mar 2017 15:28

Instrument :
 BNA_F
 ClientSampleId :
 39A-7-9

Tot Ion:198 Resp: 737
 Ion Ratio Lower Upper
 198 100
 51 209.1 6.7 46.7#
 105 222.9 16.6 56.6#

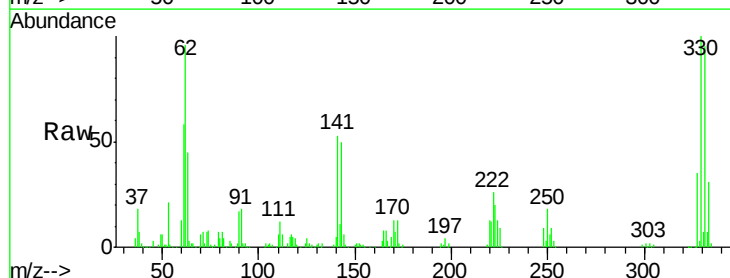


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

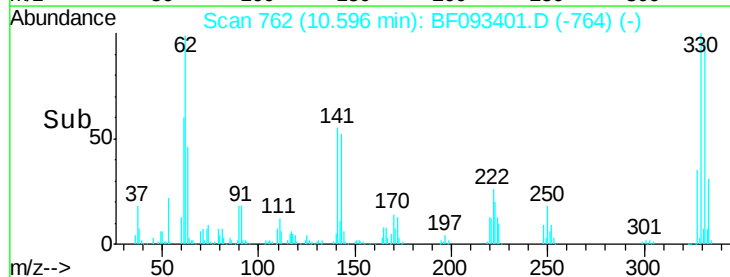
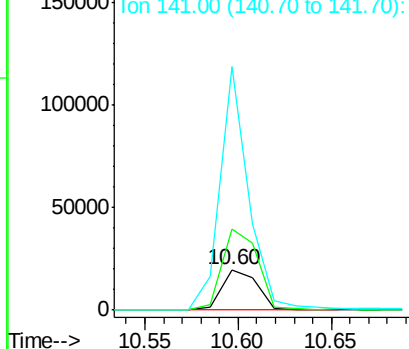


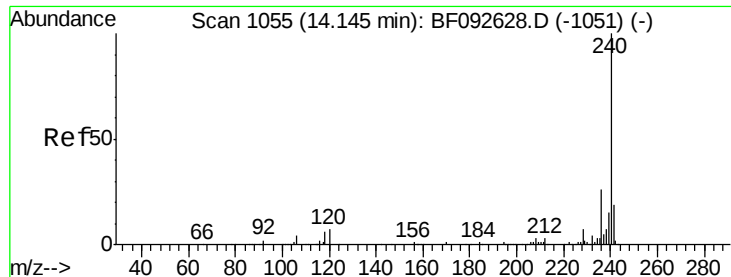
#66
 4-Bromophenyl-phenylether
 Concen: 3.94 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.33 min
 Lab File: BF093401.D
 Acq: 6 Mar 2017 15:28

Tgt Ion:248 Resp: 26211
 Ion Ratio Lower Upper
 248 100
 250 200.9 76.9 115.3#
 141 600.0 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: 13.93 min Scan# 1054

Delta R.T. -0.09 min

Lab File: BF093401.D

Acq: 6 Mar 2017 15:28

Instrument :

BNA_F

ClientSampleId :

39A-7-9

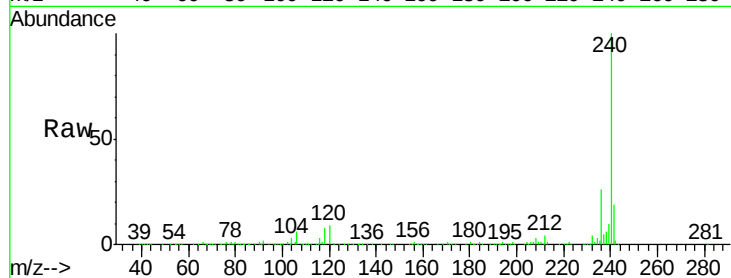
Tot Ion:240 Resp: 558757

Ion Ratio Lower Upper

240 100

120 9.3 12.9 19.3#

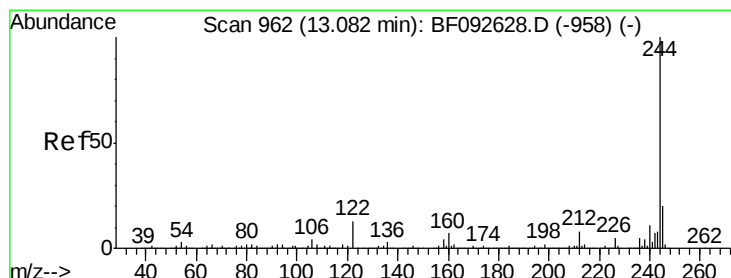
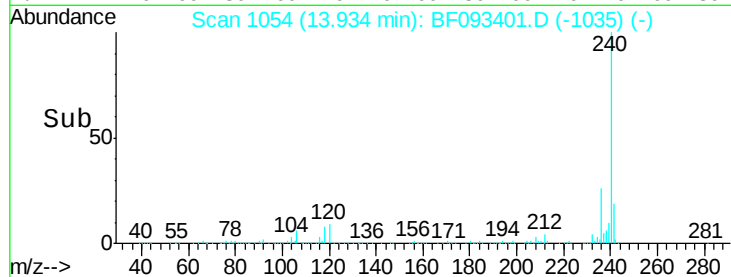
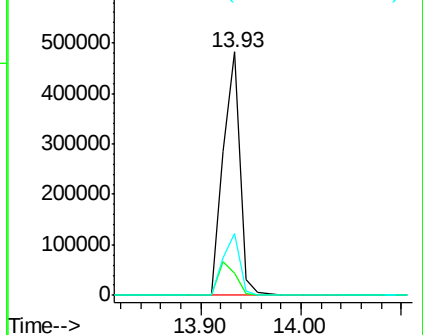
236 25.5 20.9 31.3



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: 76.02 ng

RT: 12.88 min Scan# 962

Delta R.T. -0.09 min

Lab File: BF093401.D

Acq: 6 Mar 2017 15:28

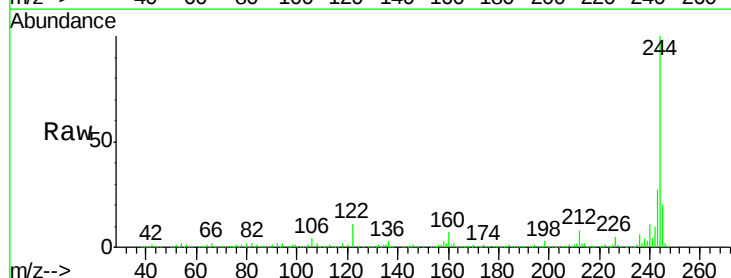
Tgt Ion:244 Resp: 1807661

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

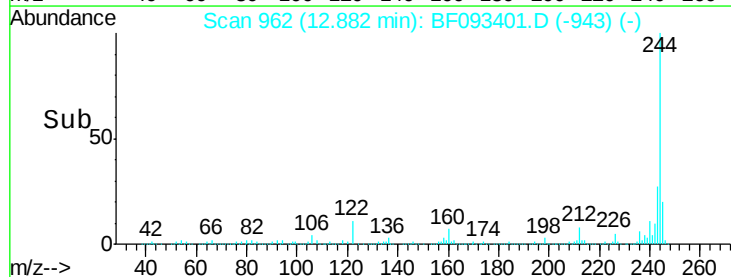
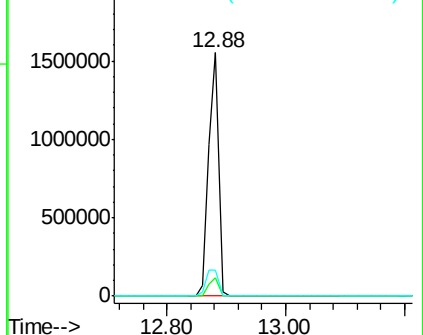
122 10.9 11.4 17.2#

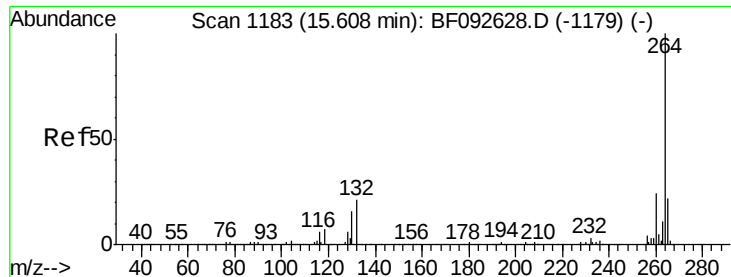


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

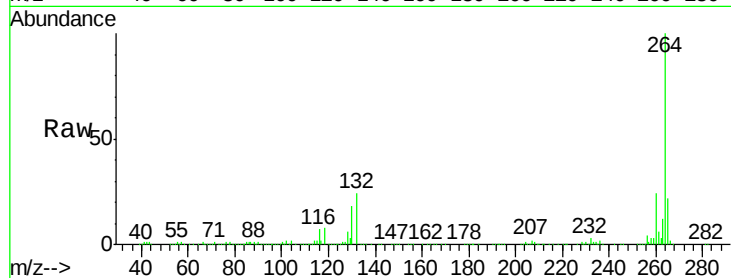




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1177
Delta R.T. -0.11 min
Lab File: BF093401.D
Acq: 6 Mar 2017 15:28

Instrument :
BNA_F
ClientSampleId :
39A-7-9

Tot Ion:264 Resp: 426302
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.7 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

