

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030817\
 Data File : BF093442.D
 Acq On : 8 Mar 2017 21:34
 Operator : SJ/MA
 Sample : I2159-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Quant Time: Mar 09 00:06:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

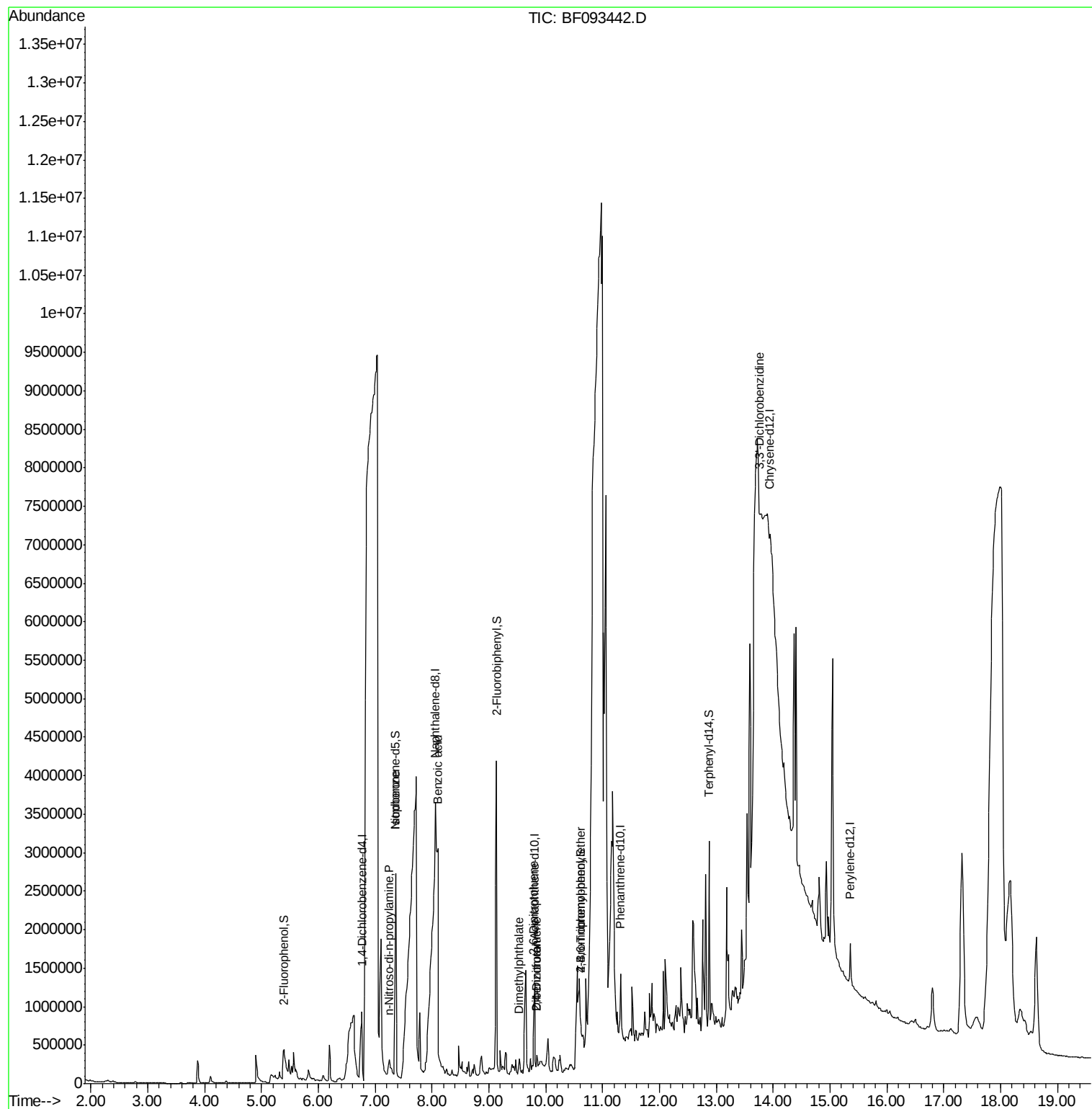
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	176674	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	629784	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	304581	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	497804	20.00	ng	0.03
75) Chrysene-d12	13.95	240	199196	20.00	ng	0.02
86) Perylene-d12	15.35	264	332279	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	504488	47.52	ng	0.05
7) Phenol-d6	6.44	99	14567	1.09	ng	0.02
23) Nitrobenzene-d5	7.36	82	1028852	90.64	ng	0.02
41) 2,4,6-Tribromophenol	10.61	330	197120	99.33	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	1657837	101.24	ng	0.00
78) Terphenyl-d14	12.87	244	1057376	138.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	20603	2.24	ng	# 71
25) Isophorone	7.36	82	1027723	44.90	ng	# 65
32) Benzoic acid	8.10	122	3552666	722.08	ng	97
49) Dimethylphthalate	9.53	163	102363	5.07	ng	100
50) 2,6-Dinitrotoluene	9.80	165	64332	14.52	ng	# 37
54) Dibenzofuran	9.84	168	41479	2.00	ng	# 58
56) 2,4-Dinitrotoluene	9.84	165	12642	2.32	ng	# 52
66) 4-Bromophenyl-phenylether	10.61	248	12225	2.32	ng	# 1
81) 3,3'-Dichlorobenzidine	13.76	252	38257	9.29	ng	# 1

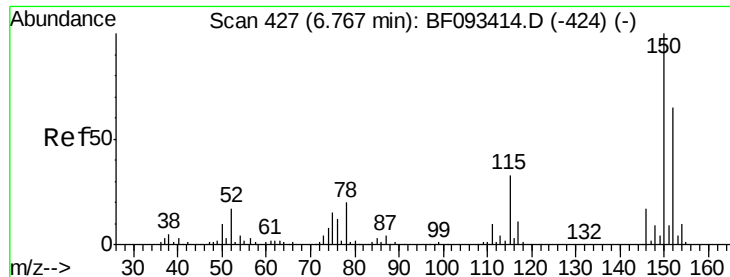
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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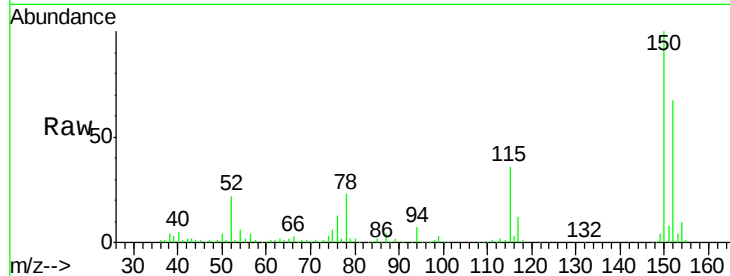


#1

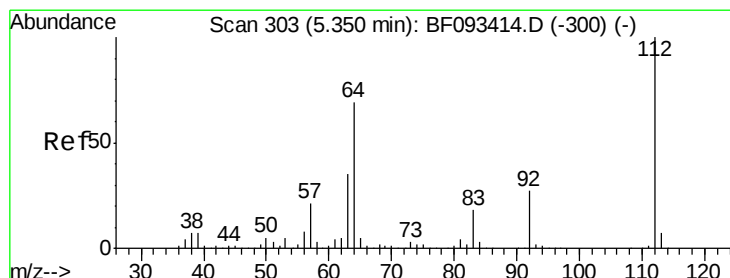
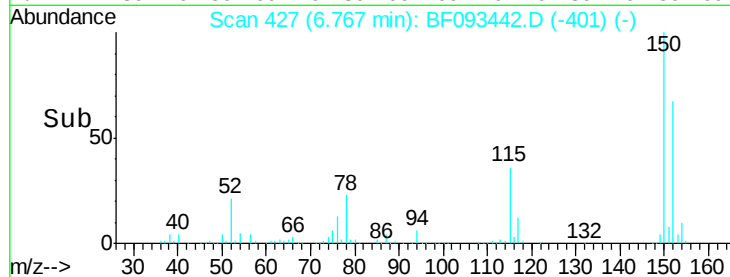
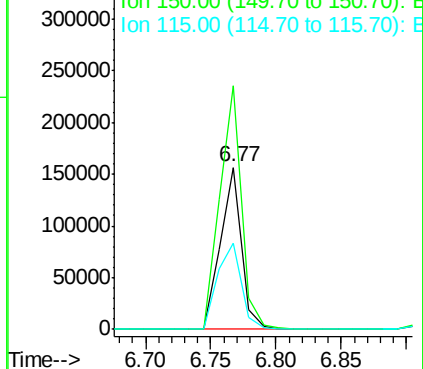
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tgt Ion:152 Resp: 176674
Ion Ratio Lower Upper
152 100
150 150.0 124.9 187.3
115 53.4 46.0 69.0



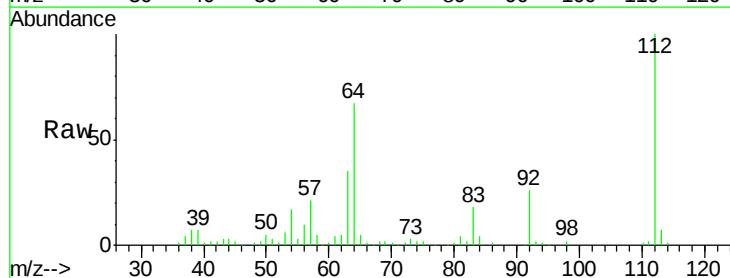
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



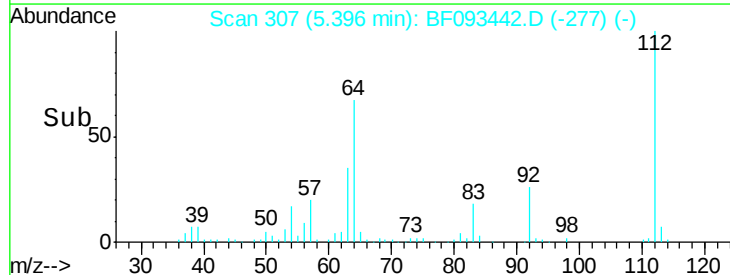
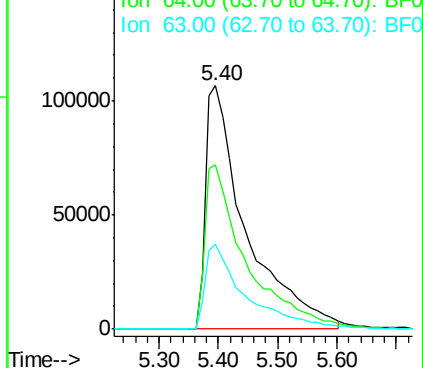
#5

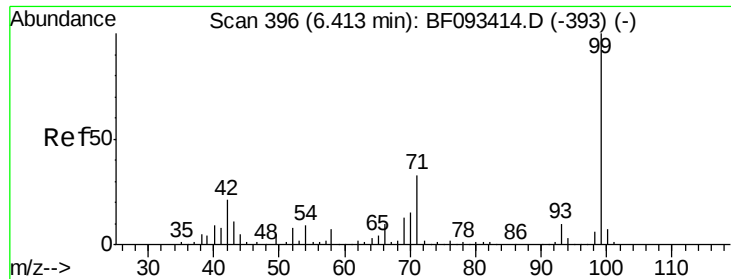
2-Fluorophenol
Concen: 47.52 ng
RT: 5.40 min Scan# 307
Delta R.T. 0.05 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Tgt Ion:112 Resp: 504488
Ion Ratio Lower Upper
112 100
64 67.3 46.1 69.1
63 34.6 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: 1.09 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.02 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

EFF-WW

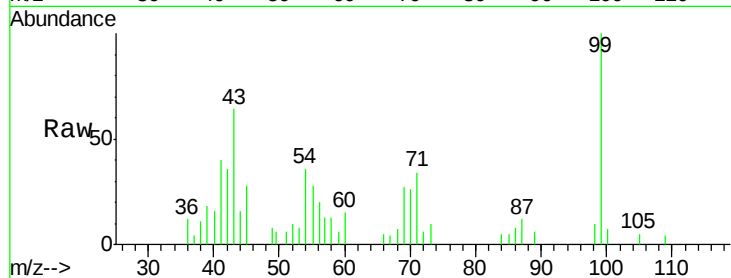
Tgt Ion: 99 Resp: 14567

Ion Ratio Lower Upper

99 100

42 36.4 15.6 23.4#

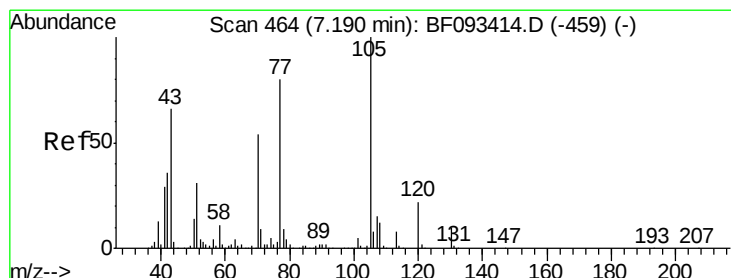
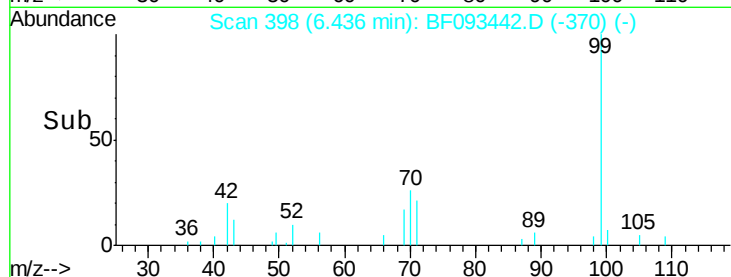
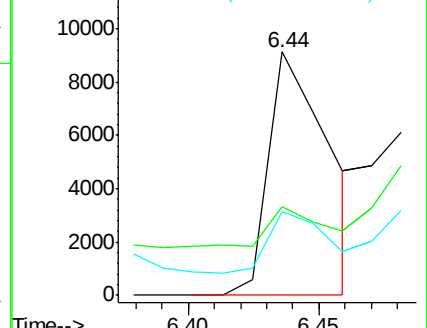
71 34.3 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.24 ng

RT: 7.25 min Scan# 469

Delta R.T. 0.06 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

Tgt Ion: 70 Resp: 20603

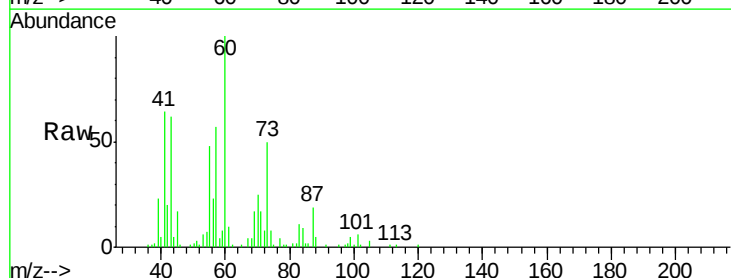
Ion Ratio Lower Upper

70 100

42 79.8 49.4 74.0#

101 23.4 7.4 11.2#

130 0.0 14.2 21.4#

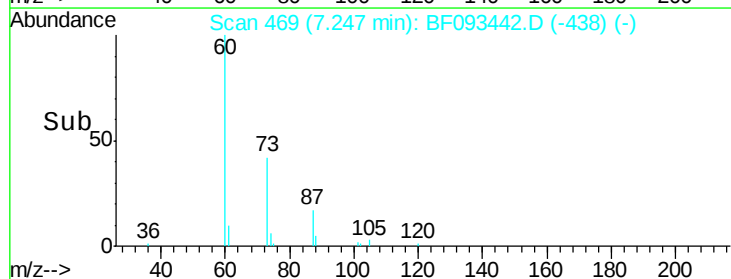
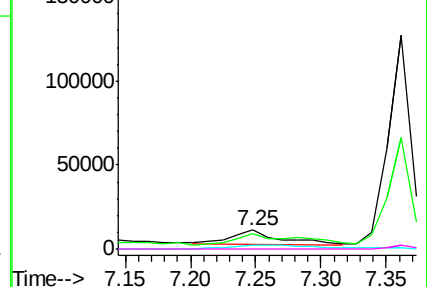


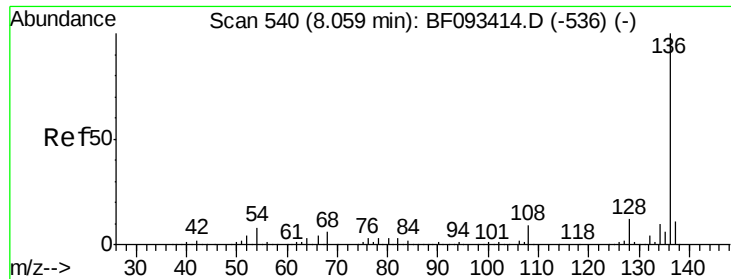
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

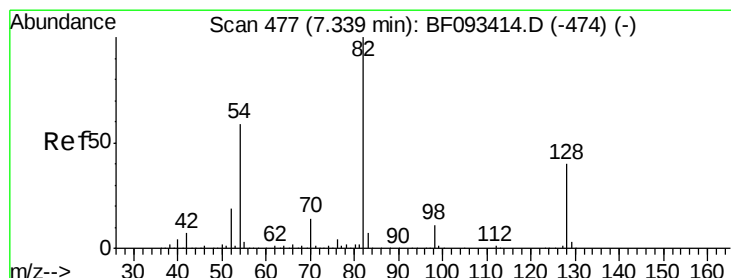
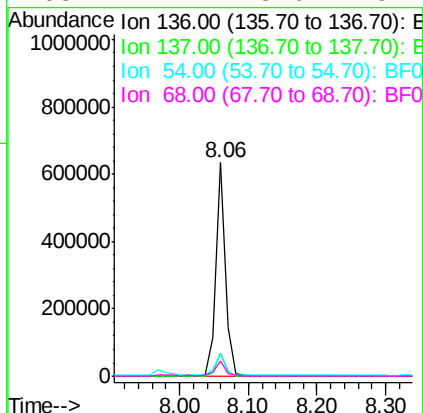
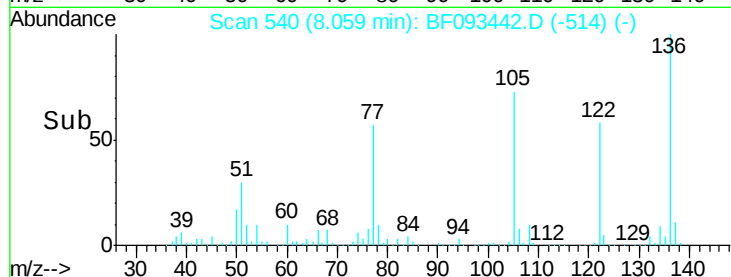
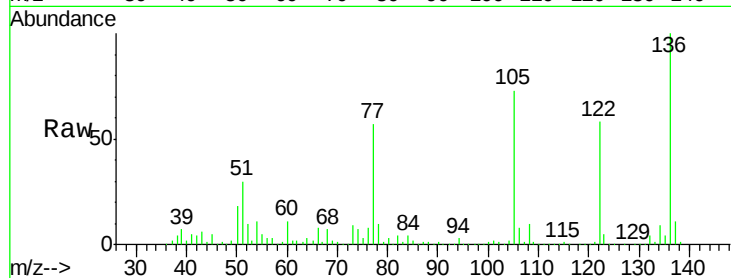




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

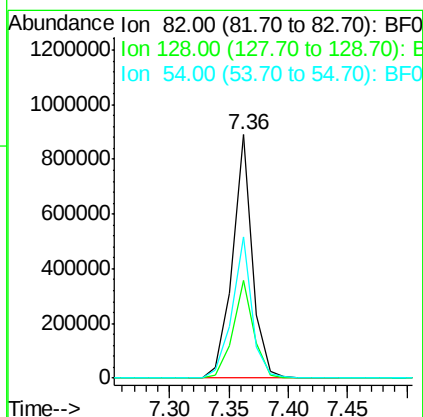
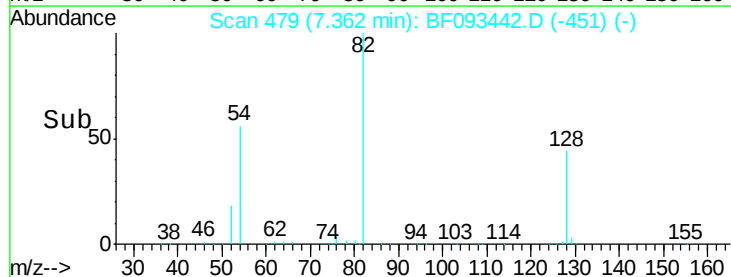
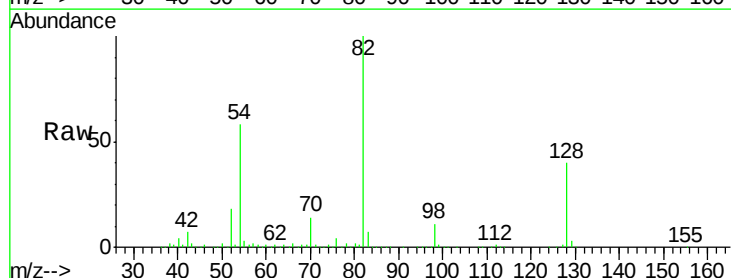
Instrument :
BNA_F
ClientSampleId :
EFF-WW

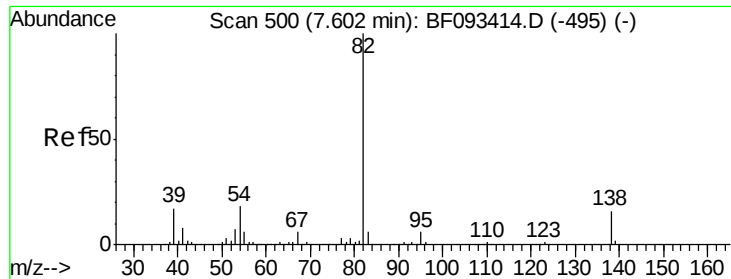
Tgt Ion: 136 Resp: 629784
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 10.6 4.5 6.7#
68 7.4 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 90.64 ng
RT: 7.36 min Scan# 479
Delta R.T. 0.02 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Tgt Ion: 82 Resp: 1028852
Ion Ratio Lower Upper
82 100
128 40.1 34.6 52.0
54 58.2 39.5 59.3





#25

Isophorone

Concen: 44.90 ng

RT: 7.36 min Scan# 479

Delta R.T. -0.24 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

EFF-WW

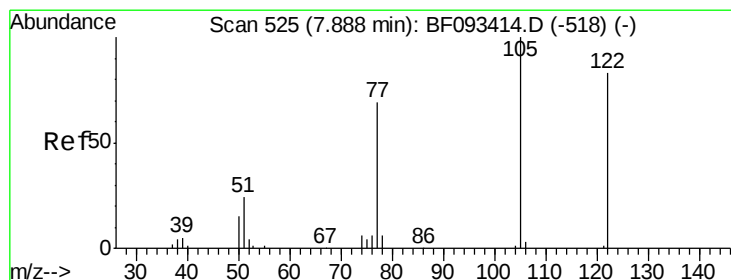
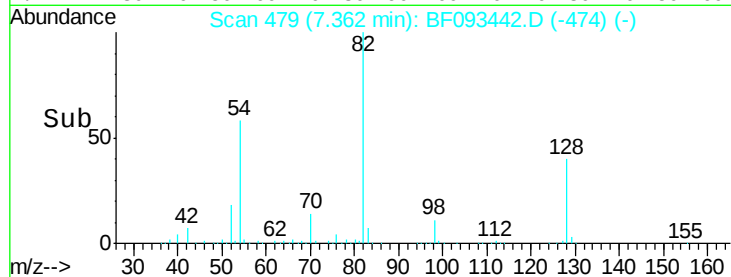
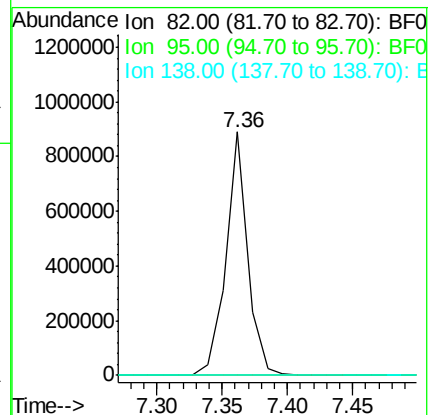
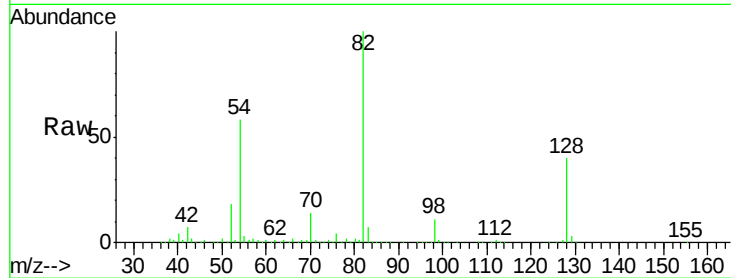
Tgt Ion: 82 Resp: 1027723

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#32

Benzoic acid

Concen: 722.08 ng

RT: 8.10 min Scan# 544

Delta R.T. 0.22 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

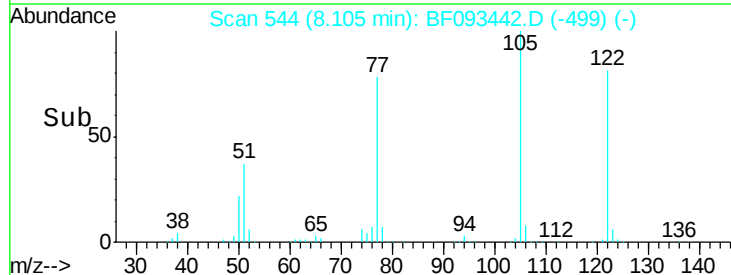
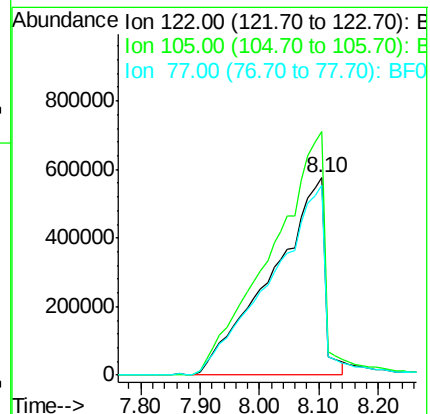
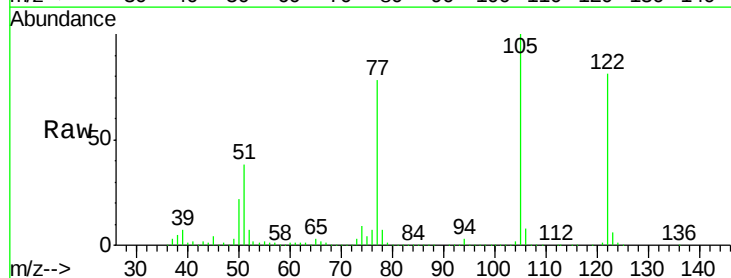
Tgt Ion: 122 Resp: 3552666

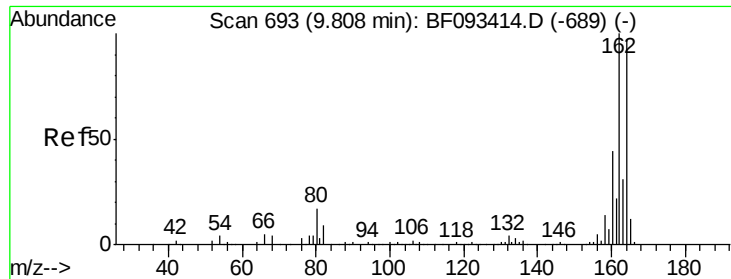
Ion Ratio Lower Upper

122 100

105 123.5 107.2 147.2

77 96.2 74.5 114.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

EFF-WW

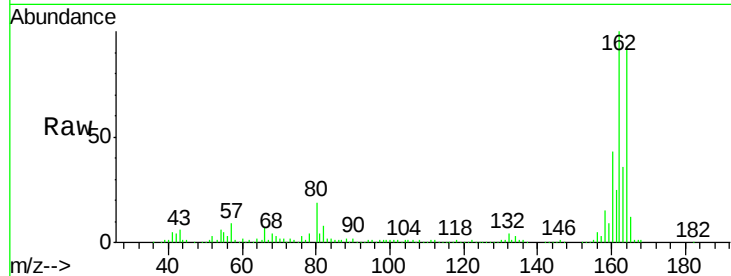
Tgt Ion:164 Resp: 304581

Ion Ratio Lower Upper

164 100

162 107.5 80.2 120.2

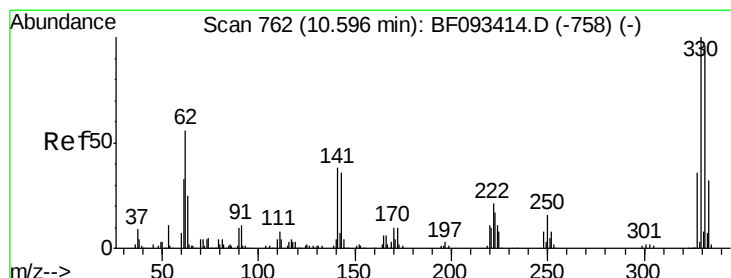
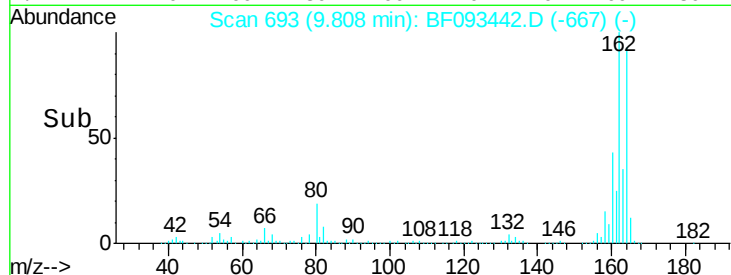
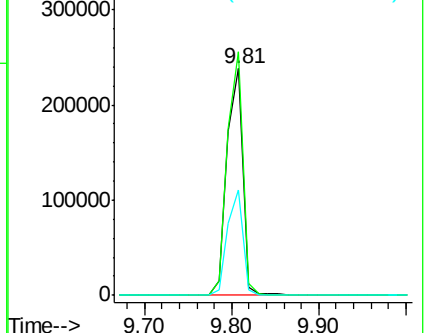
160 46.6 36.9 55.3



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: 99.33 ng

RT: 10.61 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

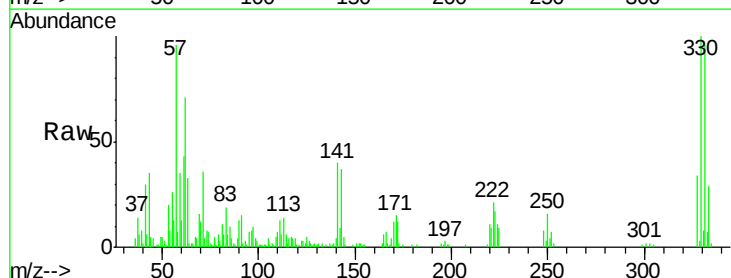
Tgt Ion:330 Resp: 197120

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

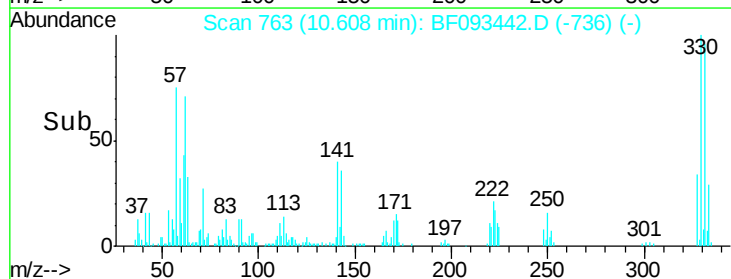
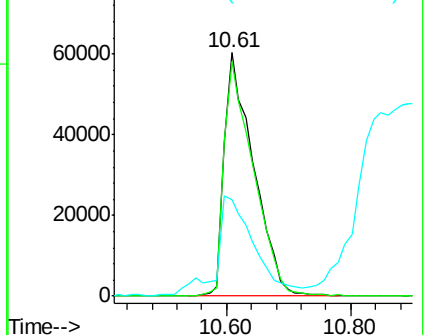
141 41.3 34.1 51.1

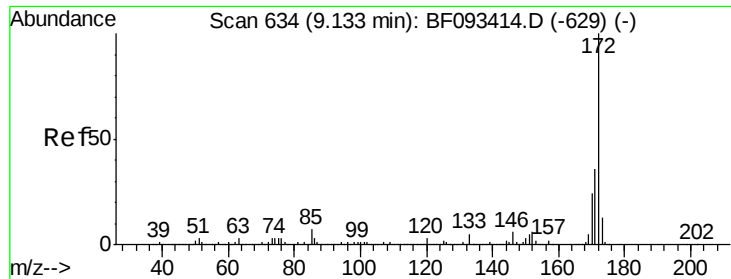


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

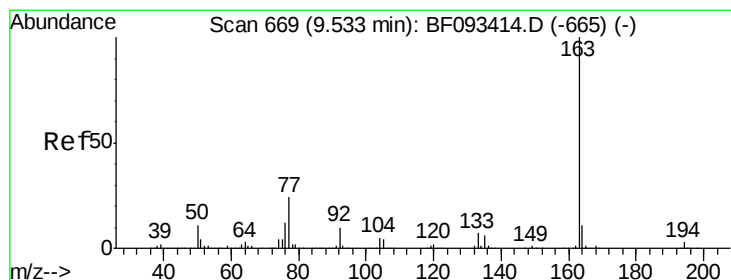
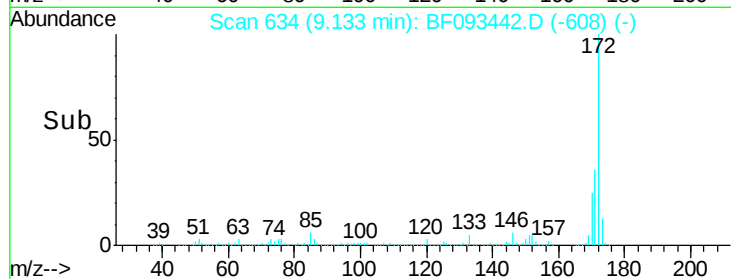
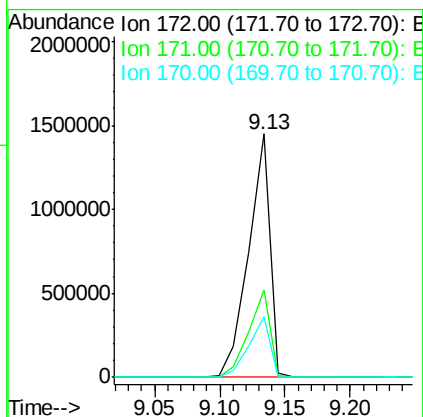
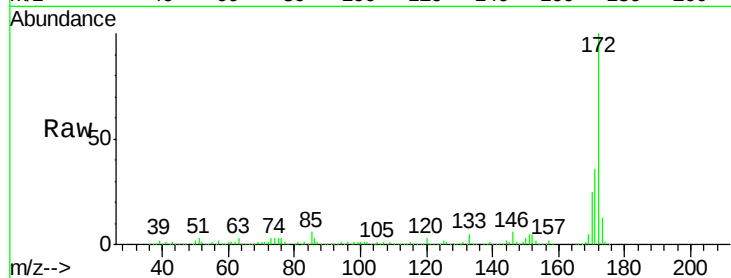




#44
 2-Fluorobiphenyl
 Concen: 101.24 ng
 RT: 9.13 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF093442.D
 Acq: 8 Mar 2017 21:34

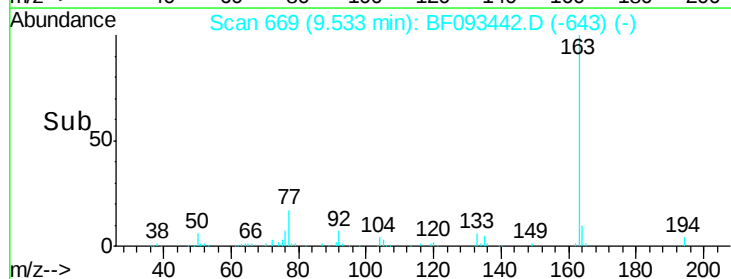
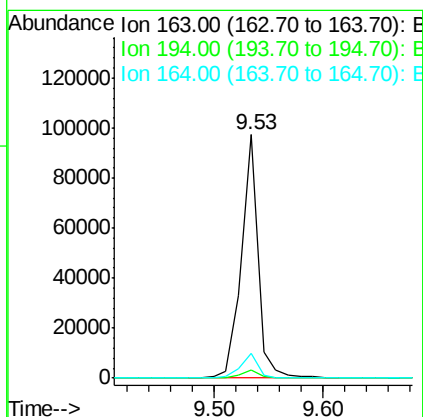
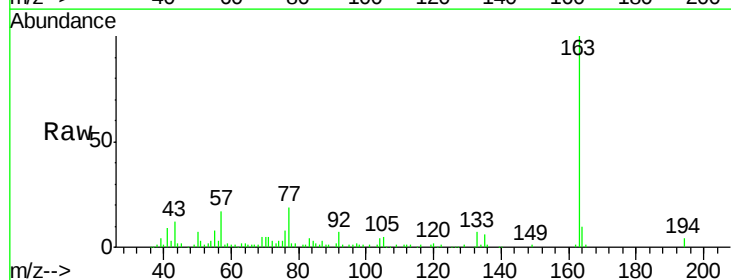
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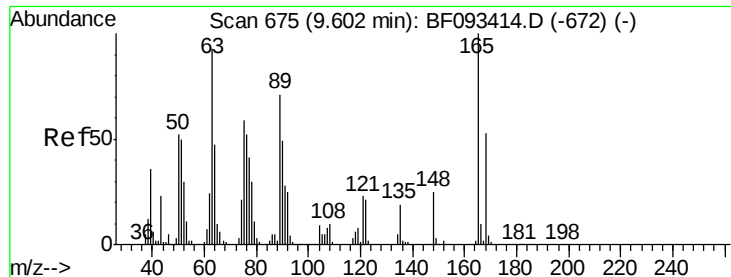
Tgt Ion:172 Resp: 1657837
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.9 20.2 30.4



#49
 Dimethylphthalate
 Concen: 5.07 ng
 RT: 9.53 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF093442.D
 Acq: 8 Mar 2017 21:34

Tgt Ion:163 Resp: 102363
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 10.1 8.0 12.0

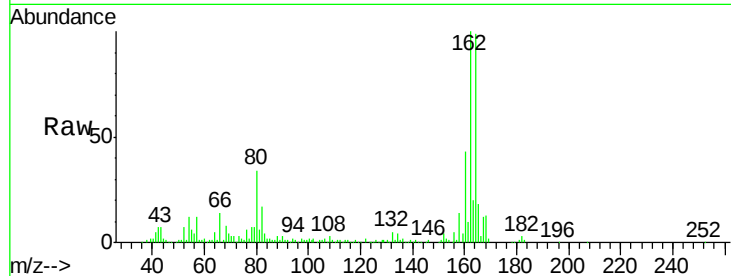




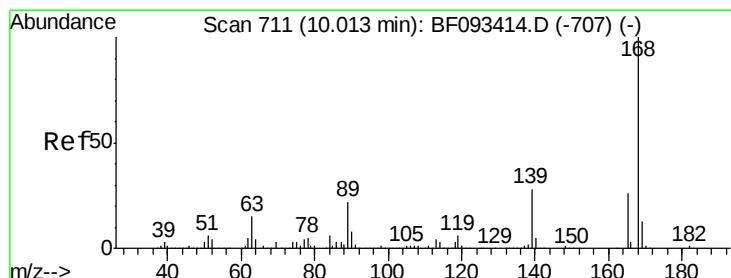
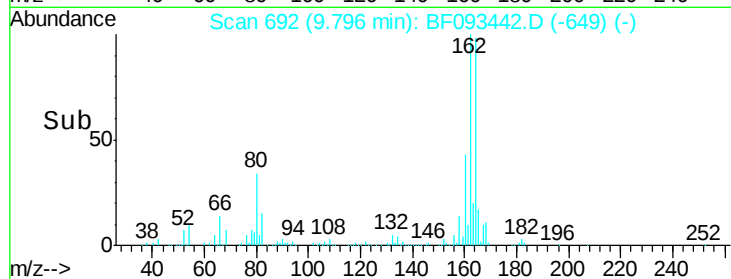
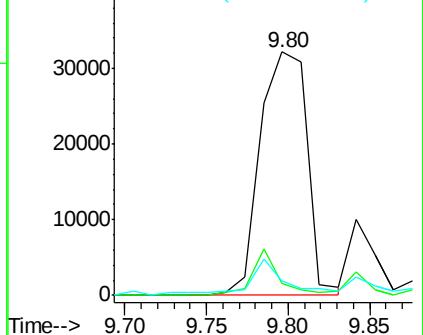
#50
2,6-Dinitrotoluene
Concen: 14.52 ng
RT: 9.80 min Scan# 692
Delta R.T. 0.19 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tgt Ion:165 Resp: 64332
Ion Ratio Lower Upper
165 100
63 4.7 36.2 54.4#
89 5.9 40.2 60.4#

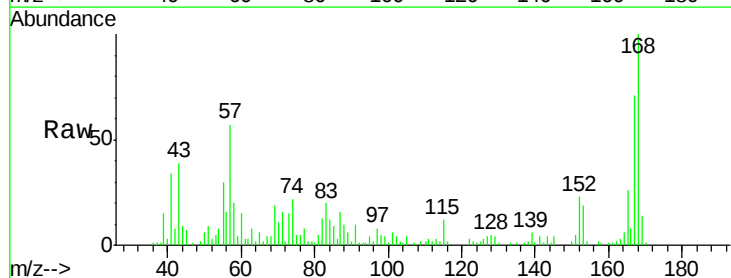


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

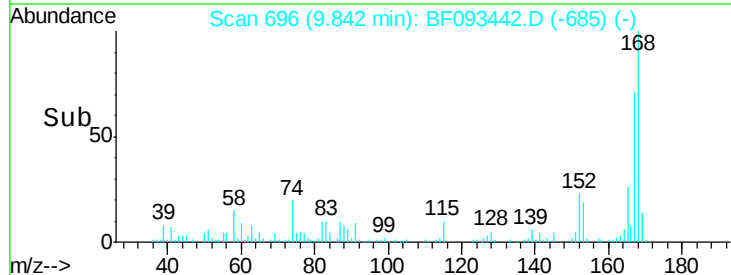
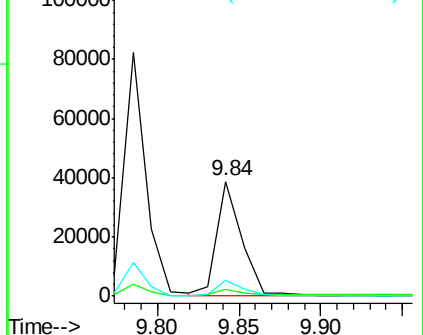


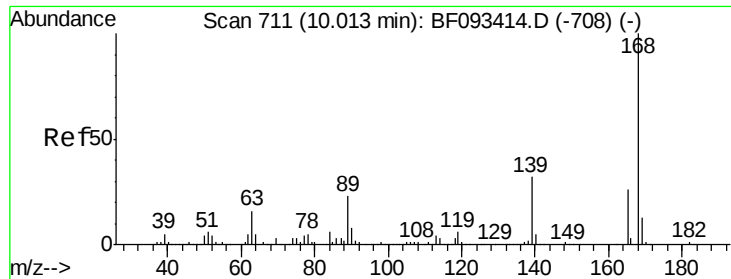
#54
Dibenzofuran
Concen: 2.00 ng
RT: 9.84 min Scan# 696
Delta R.T. -0.17 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Tgt Ion:168 Resp: 41479
Ion Ratio Lower Upper
168 100
139 5.9 32.6 49.0#
169 13.9 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

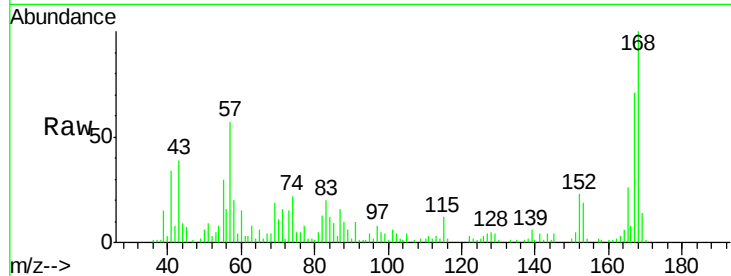




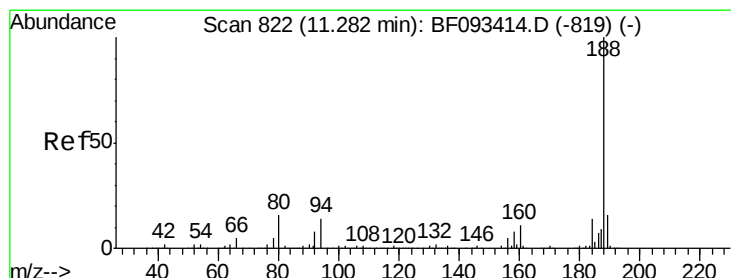
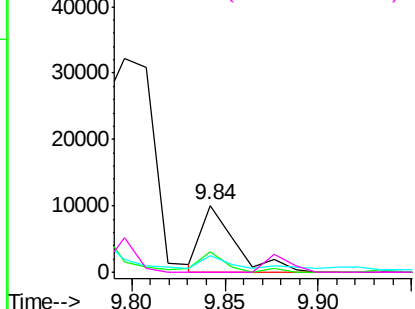
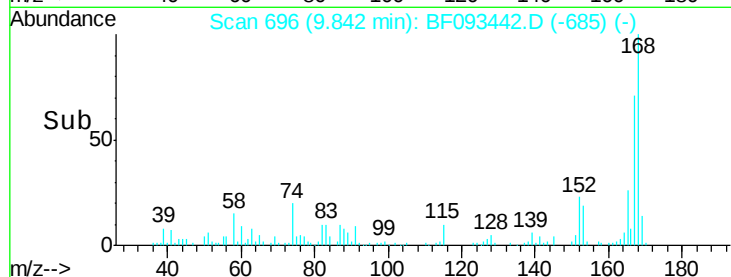
#56
2,4-Dinitrotoluene
Concen: 2.32 ng
RT: 9.84 min Scan# 696
Delta R.T. -0.17 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tgt Ion:165 Resp: 12642
Ion Ratio Lower Upper
165 100
63 31.1 40.2 60.4#
89 24.4 62.5 93.7#
182 0.0 1.8 2.8#

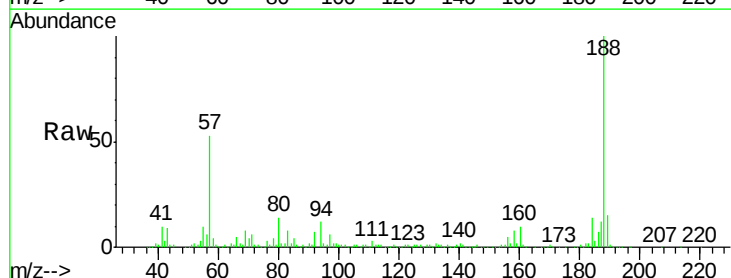


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

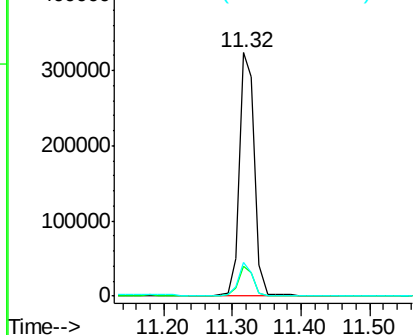
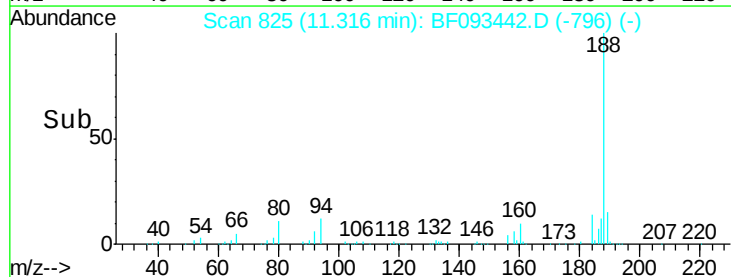


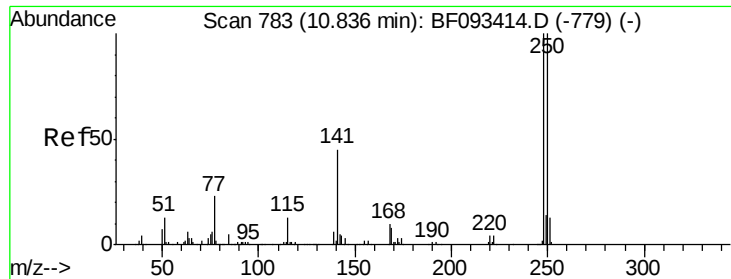
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 825
Delta R.T. 0.03 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Tgt Ion:188 Resp: 497804
Ion Ratio Lower Upper
188 100
94 12.1 10.0 15.0
80 13.9 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

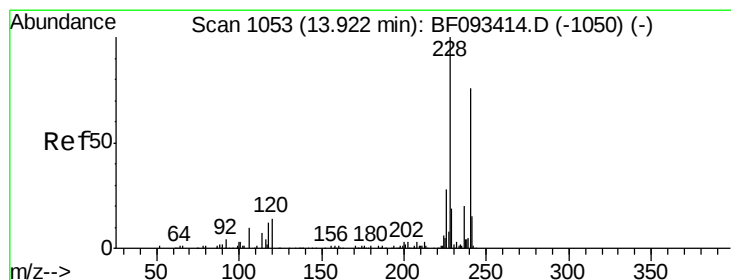
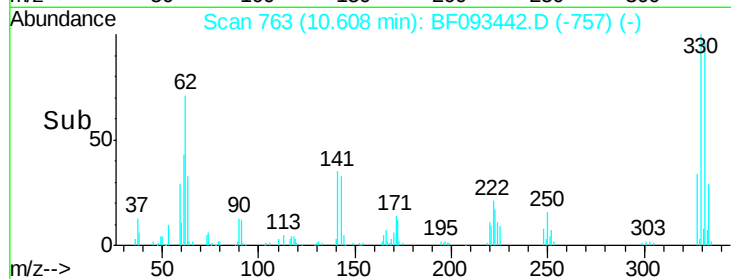
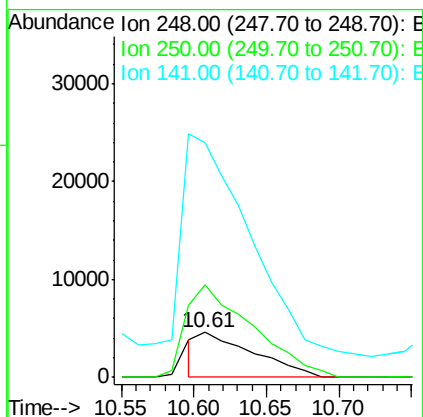
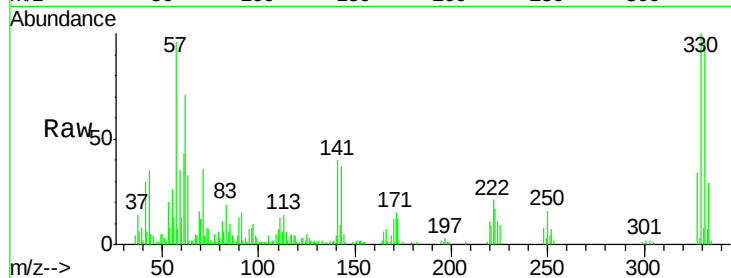




#66
4-Bromophenyl-phenylether
Concen: 2.32 ng
RT: 10.61 min Scan# 763
Delta R.T. -0.23 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

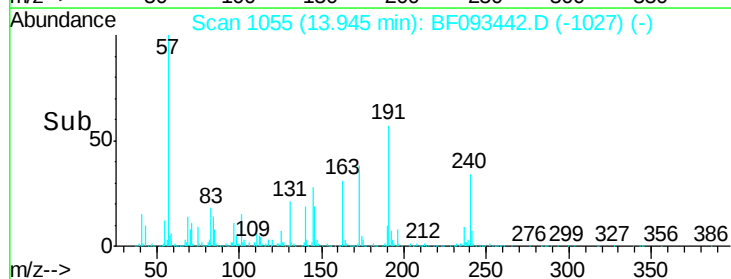
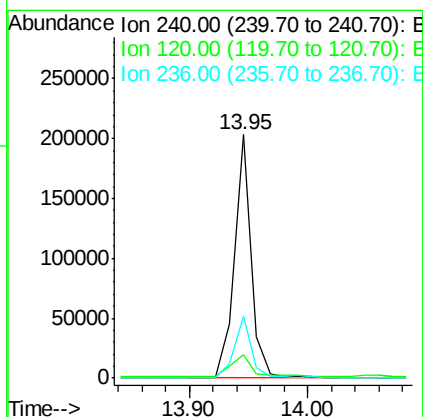
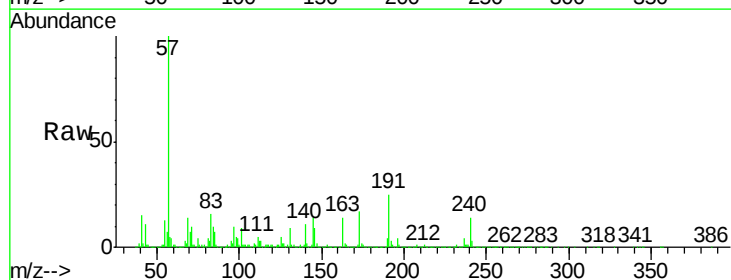
Instrument :
BNA_F
ClientSampleId :
EFF-WW

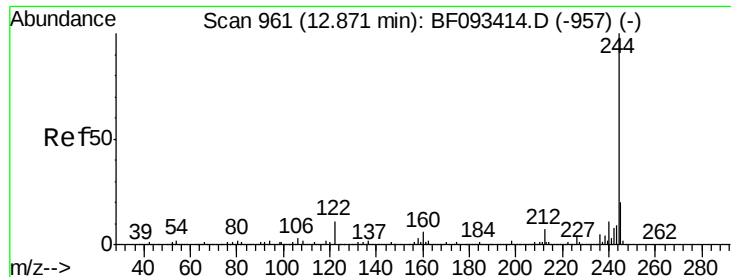
Tgt Ion:248 Resp: 12225
Ion Ratio Lower Upper
248 100
250 205.2 76.9 115.3#
141 524.1 68.2 102.4#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1055
Delta R.T. 0.02 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Tgt Ion:240 Resp: 199196
Ion Ratio Lower Upper
240 100
120 9.5 12.9 19.3#
236 25.6 20.9 31.3





#78

Terphenyl-d14

Concen: 138.01 ng

RT: 12.87 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

Instrument :

BNA_F

ClientSampleId :

EFF-WW

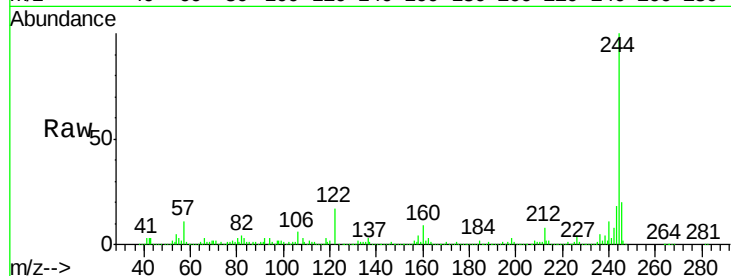
Tgt Ion:244 Resp: 1057376

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

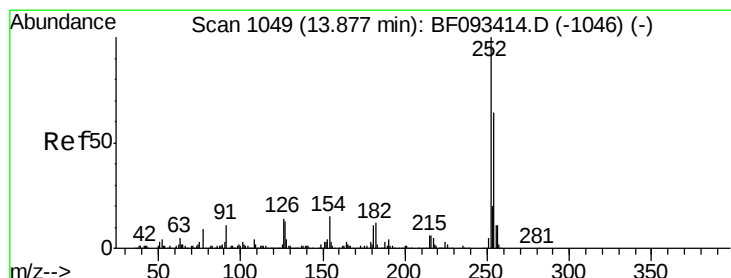
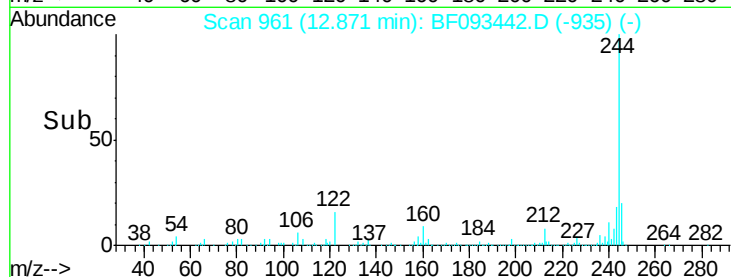
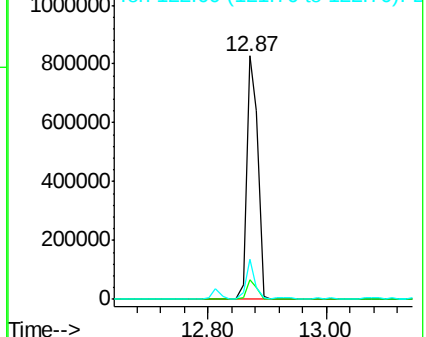
122 16.6 11.4 17.2



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



#81

3,3'-Dichlorobenzidine

Concen: 9.29 ng

RT: 13.76 min Scan# 1039

Delta R.T. -0.11 min

Lab File: BF093442.D

Acq: 8 Mar 2017 21:34

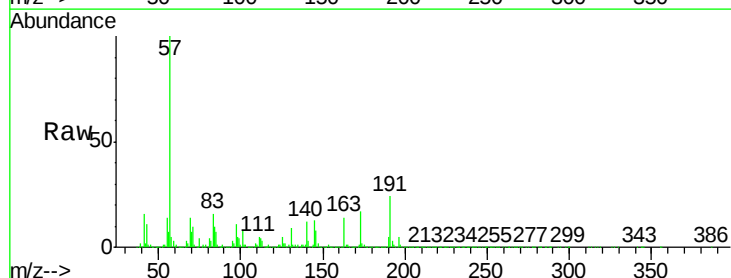
Tgt Ion:252 Resp: 38257

Ion Ratio Lower Upper

252 100

254 7.6 52.3 78.5#

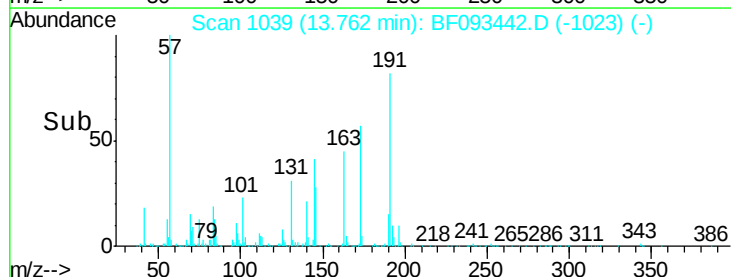
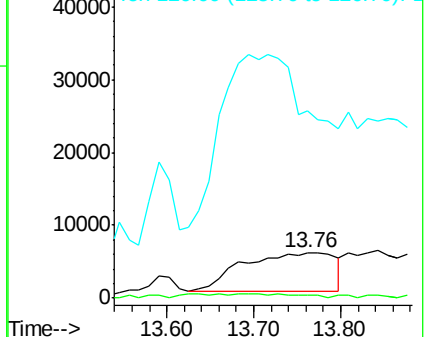
126 412.5 13.6 20.4#

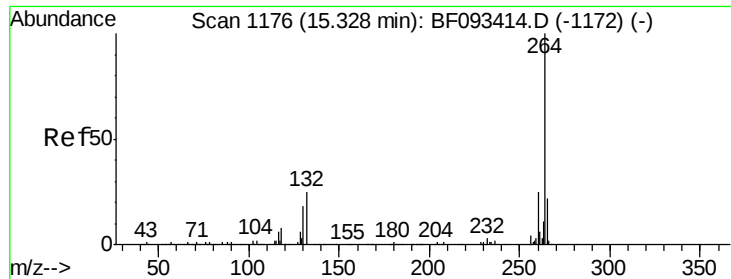


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF093442.D
Acq: 8 Mar 2017 21:34

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tgt Ion: 264 Resp: 332279
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.3 17.4 26.0

