

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031317\
 Data File : BF093632.D
 Acq On : 14 Mar 2017 2:58
 Operator : SJ/MA
 Sample : I2199-24
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-97

Quant Time: Mar 14 03:39:44 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

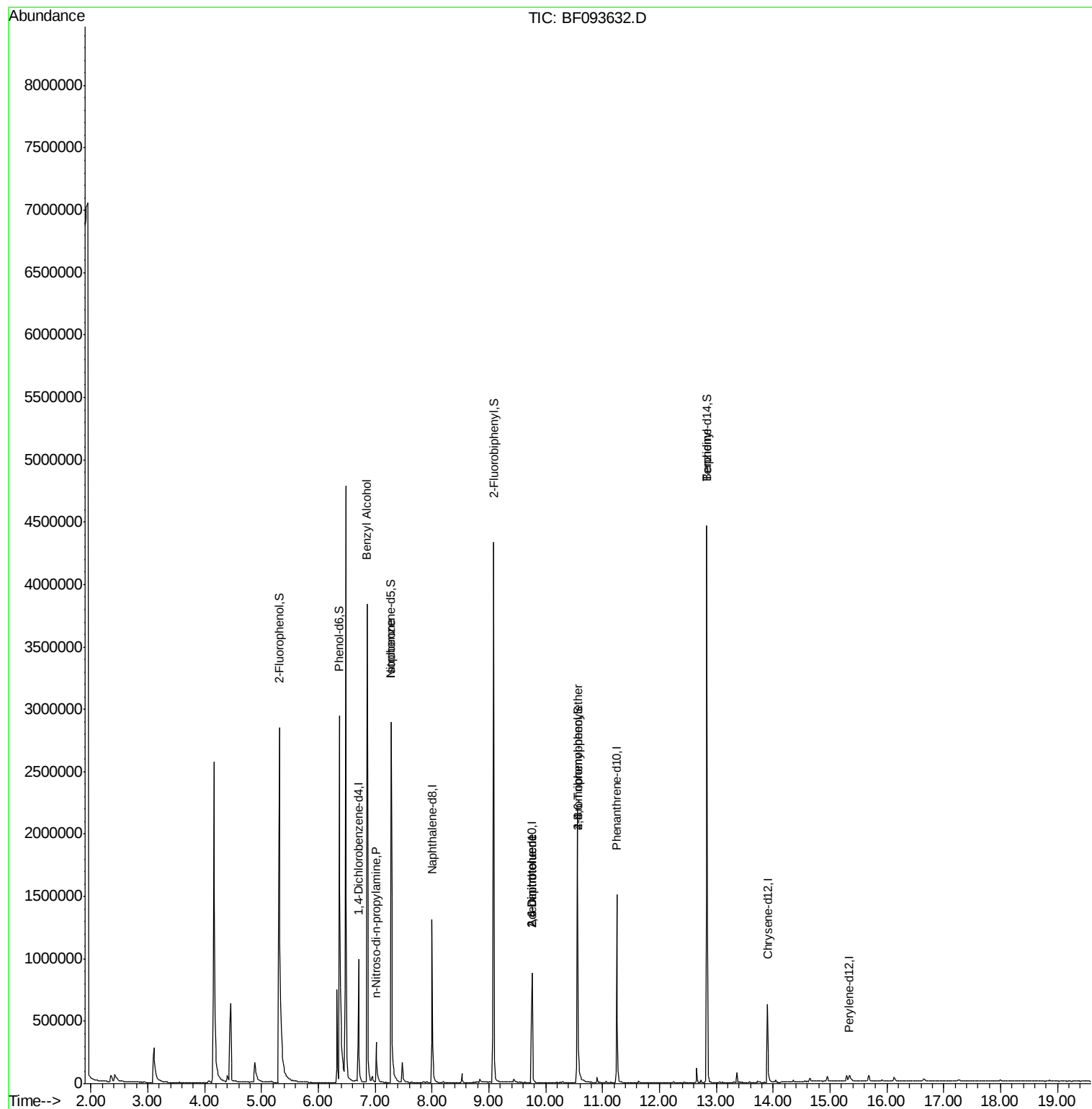
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	168210	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	684722	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	202051	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	565857	20.00	ng	0.00
75) Chrysene-d12	13.90	240	203968	20.00	ng	0.01
86) Perylene-d12	15.33	264	8621	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1435528	142.04	ng	0.00
7) Phenol-d6	6.37	99	1502367	117.88	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1208165	97.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	365198	277.42	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1993280	183.50	ng	0.00
78) Terphenyl-d14	12.84	244	1489356	189.84	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	2626	Below Cal	#	1
15) Benzyl Alcohol	6.86	79	18698	2.06 ng	#	45
19) n-Nitroso-di-n-propylamine	7.02	70	21264	2.43 ng	#	6
25) Isophorone	7.28	82	1190486	47.84 ng	#	65
50) 2,6-Dinitrotoluene	9.76	165	24886	8.47 ng	#	34
56) 2,4-Dinitrotoluene	9.76	165	24886	6.89 ng	#	22
66) 4-Bromophenyl-phenylether	10.56	248	26835	4.48 ng	#	1
76) Benzydine	12.84	184	22088	3.29 ng	#	89

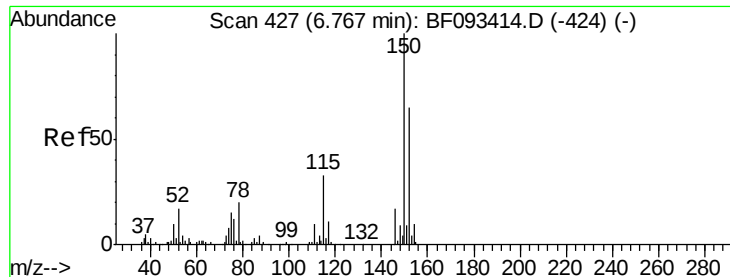
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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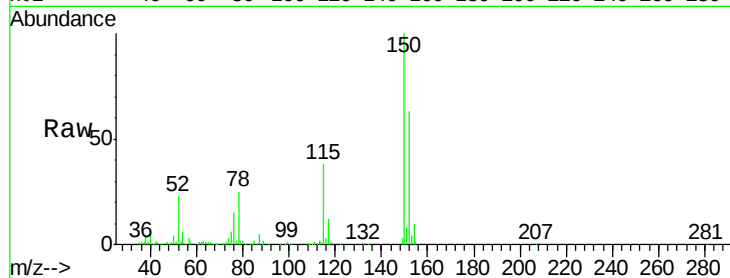


#1

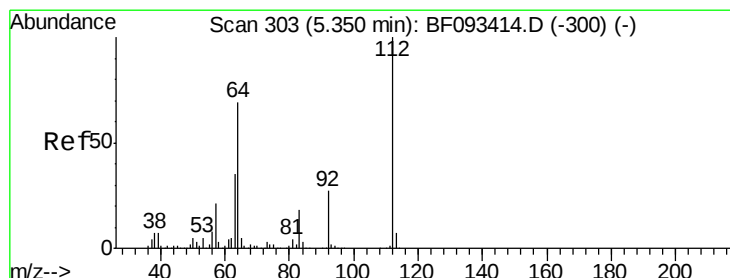
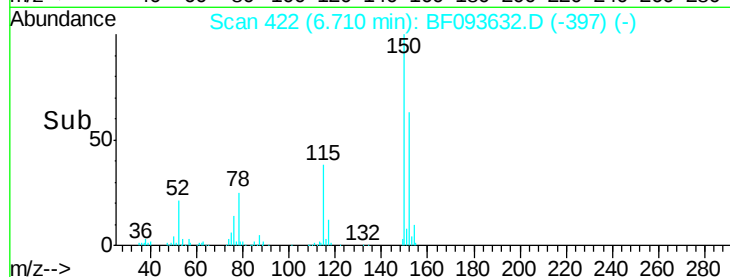
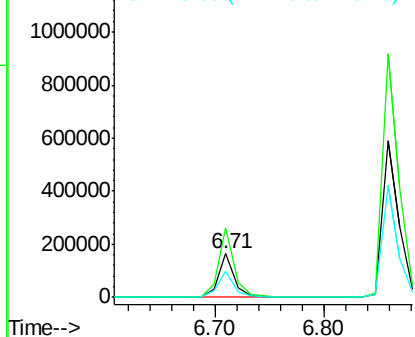
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

Instrument :
BNA_F
ClientSampleId :
D-97

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.9	187.3
115	59.9	46.0	69.0



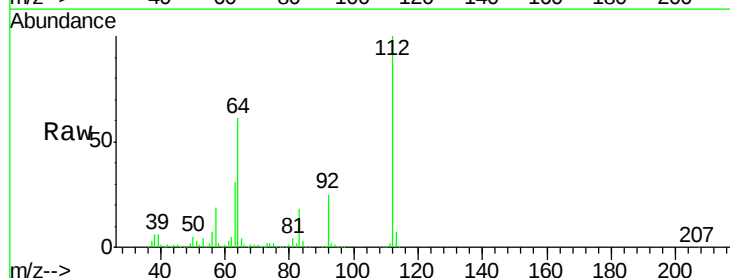
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



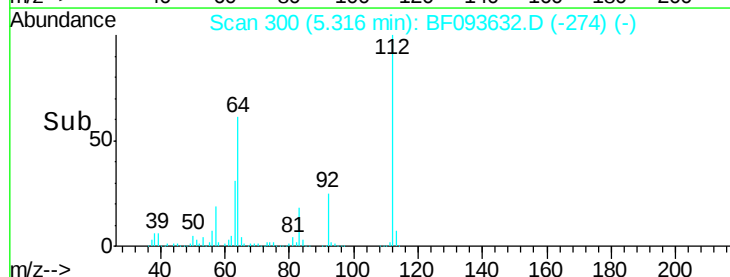
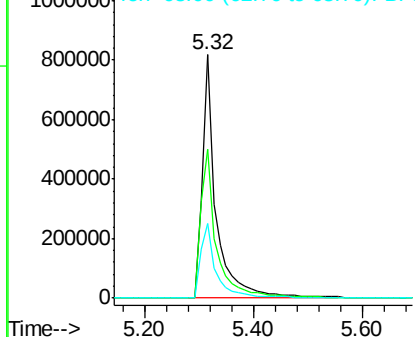
#5

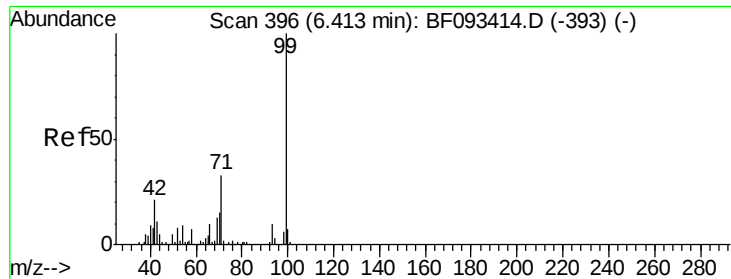
2-Fluorophenol
Concen: 142.04 ng
RT: 5.32 min Scan# 300
Delta R.T. 0.00 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	46.1	69.1
63	30.7	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: 117.88 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

Instrument :

BNA_F

ClientSampleId :

D-97

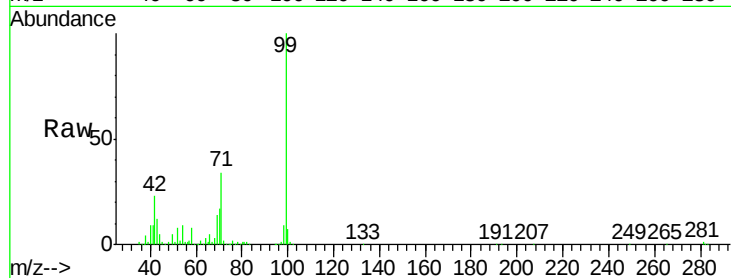
Tgt Ion: 99 Resp: 1502367

Ion Ratio Lower Upper

99 100

42 22.9 15.6 23.4

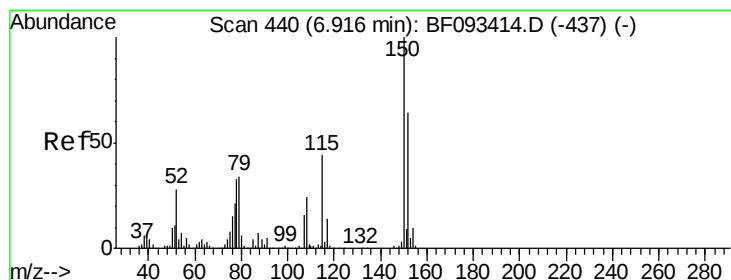
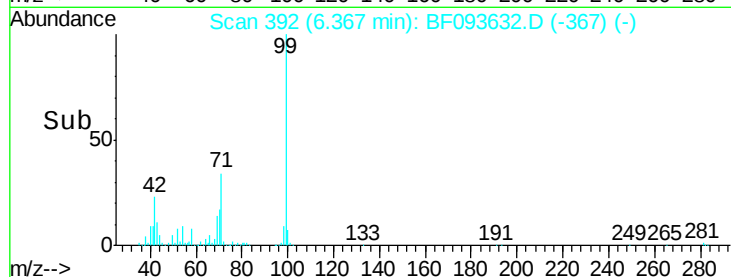
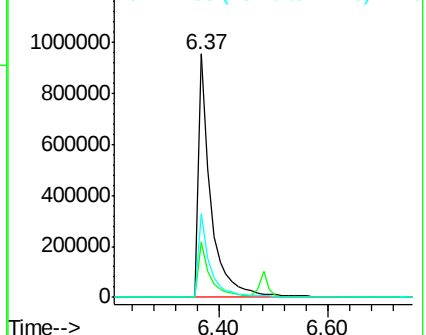
71 34.4 27.5 41.3



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: 2.06 ng

RT: 6.86 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

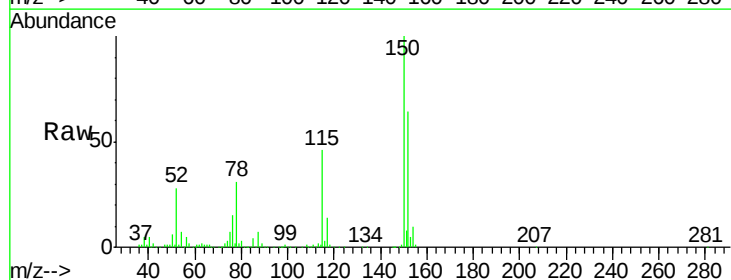
Tgt Ion: 79 Resp: 18698

Ion Ratio Lower Upper

79 100

108 29.1 61.4 92.0#

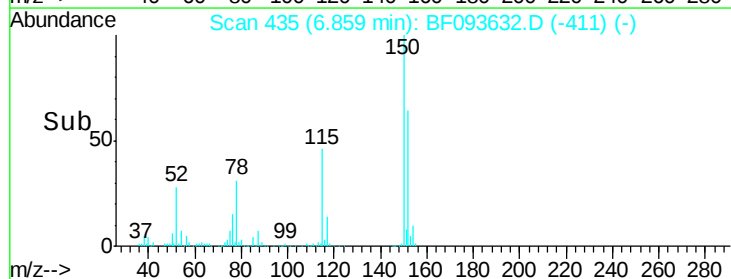
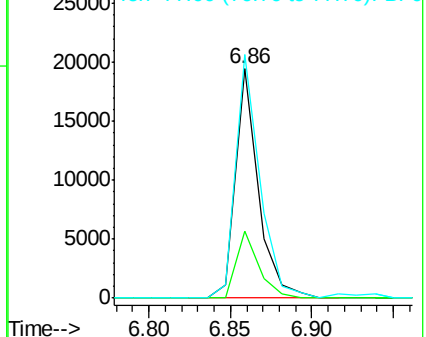
77 106.3 50.9 76.3#

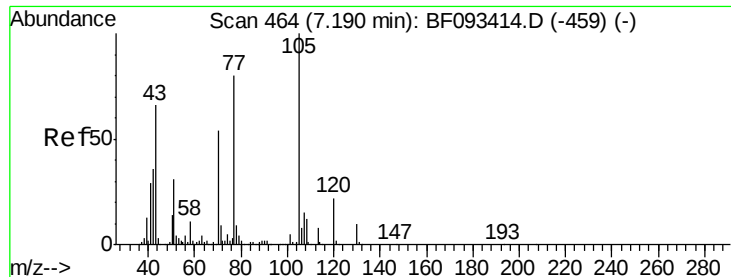


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 2.43 ng

RT: 7.02 min Scan# 449

Delta R.T. -0.13 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

Instrument :

BNA_F

ClientSampleId :

D-97

Tgt Ion: 70 Resp: 21264

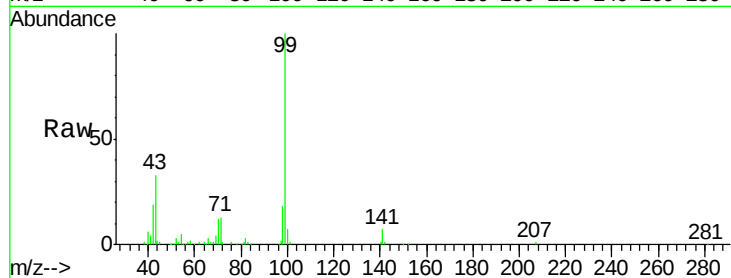
Ion Ratio Lower Upper

70 100

42 155.1 49.4 74.0#

101 6.3 7.4 11.2#

130 0.0 14.2 21.4#

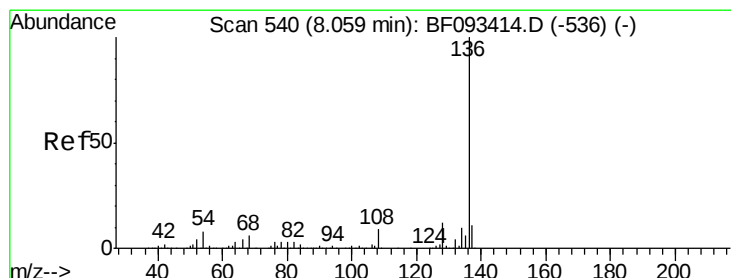
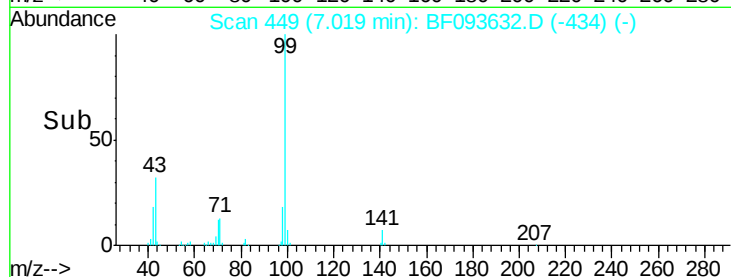
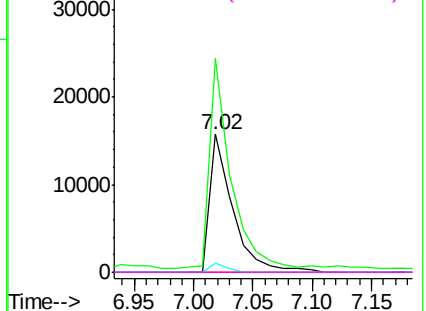


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

Tgt Ion: 136 Resp: 684722

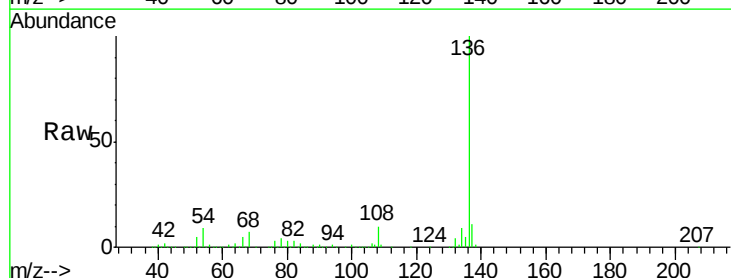
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 8.9 4.5 6.7#

68 6.7 3.6 5.4#

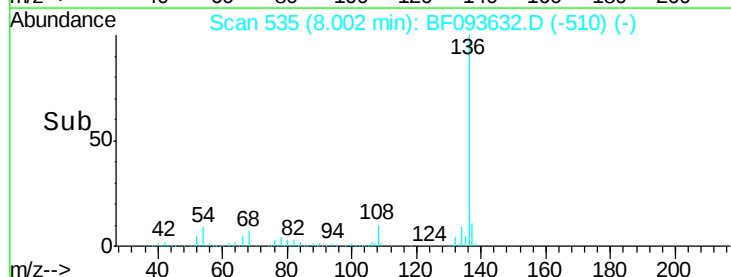
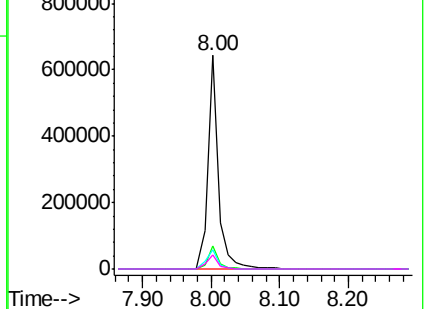


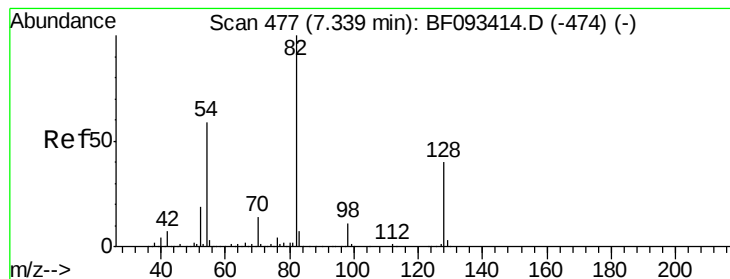
Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.90 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.02 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

Instrument :

BNA_F

ClientSampleId :

D-97

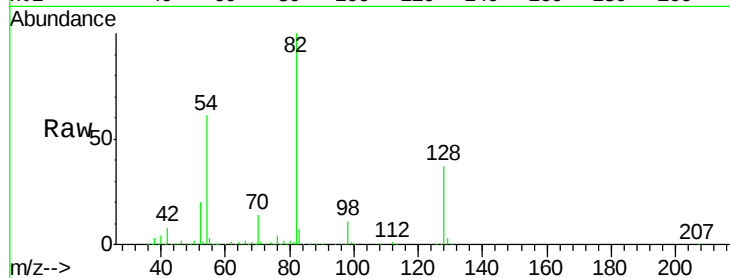
Tgt Ion: 82 Resp: 1208165

Ion Ratio Lower Upper

82 100

128 36.9 34.6 52.0

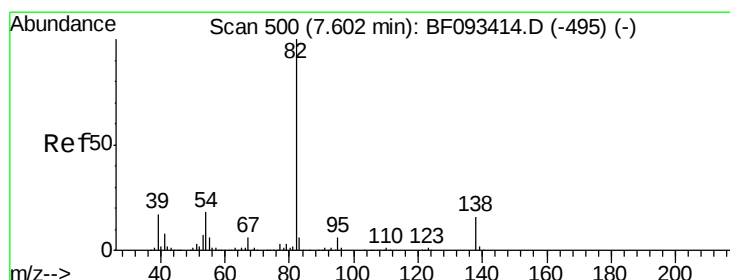
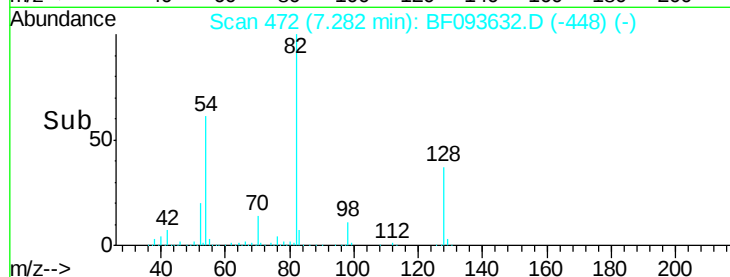
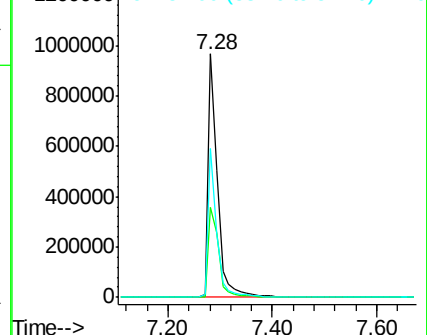
54 61.3 39.5 59.3#



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: 47.84 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

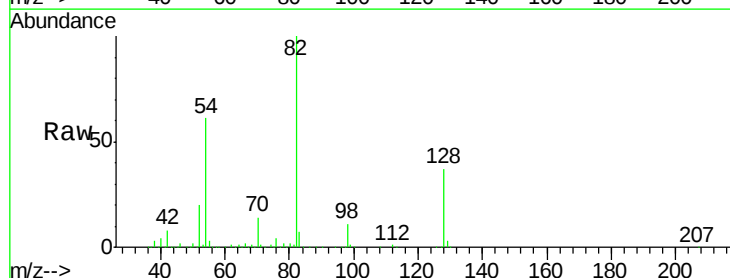
Tgt Ion: 82 Resp: 1190486

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

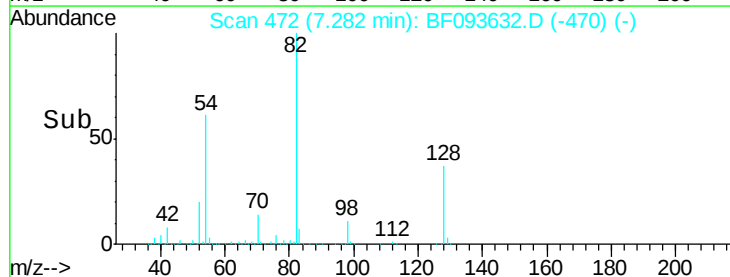
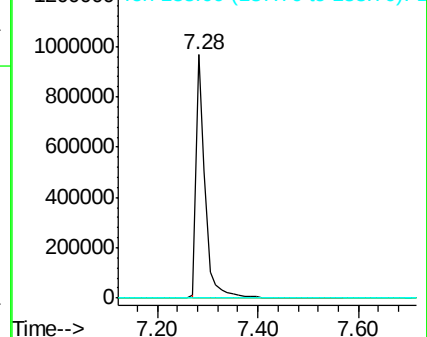
138 0.0 14.6 22.0#

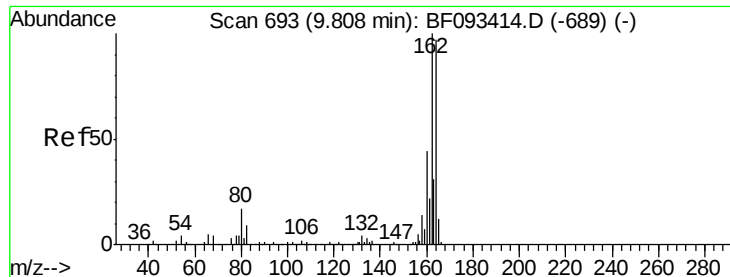


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF093632.D

Acq: 14 Mar 2017 2:58

Instrument :

BNA_F

ClientSampleId :

D-97

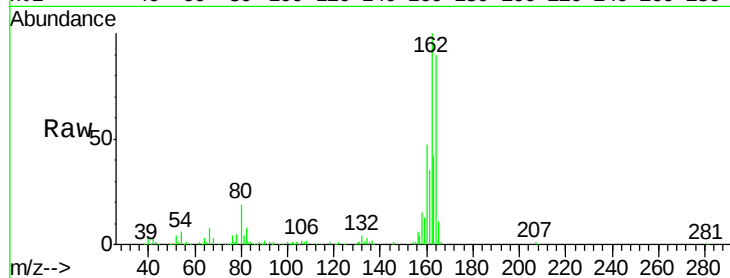
Tgt Ion:164 Resp: 202051

Ion Ratio Lower Upper

164 100

162 110.9 80.2 120.2

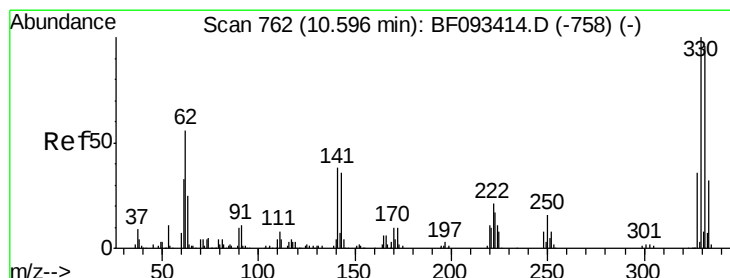
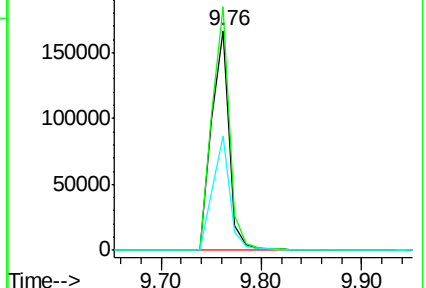
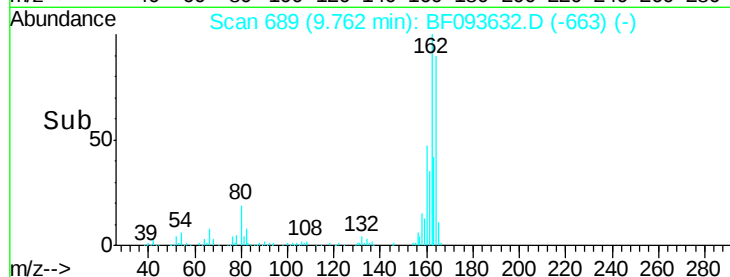
160 52.1 36.9 55.3



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: 277.42 ng

RT: 10.56 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF093632.D

Acq: 14 Mar 2017 2:58

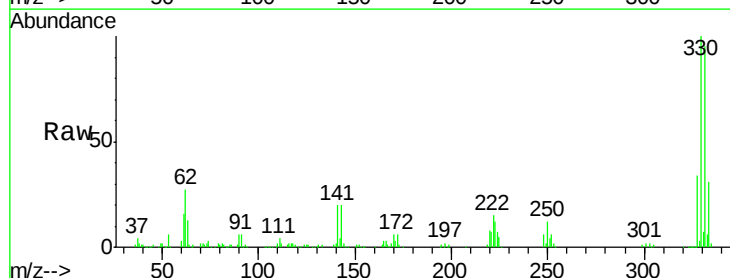
Tgt Ion:330 Resp: 365198

Ion Ratio Lower Upper

330 100

332 95.2 77.4 116.2

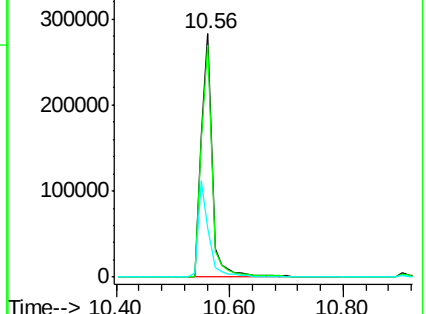
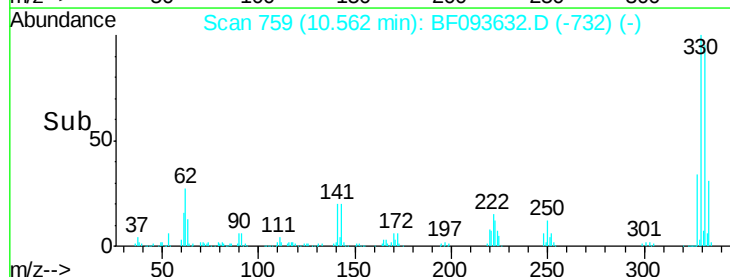
141 39.5 34.1 51.1

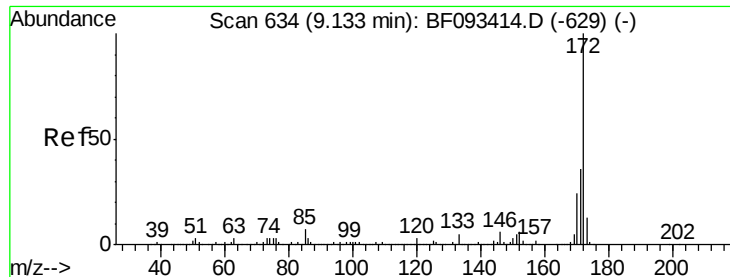


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

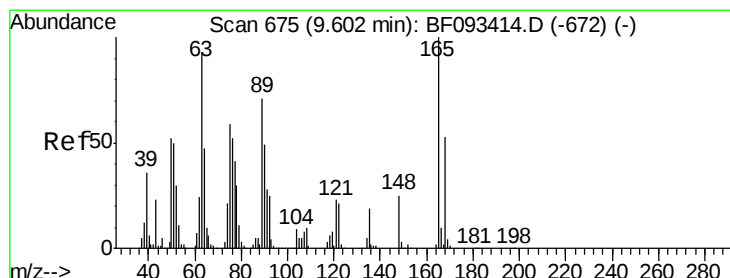
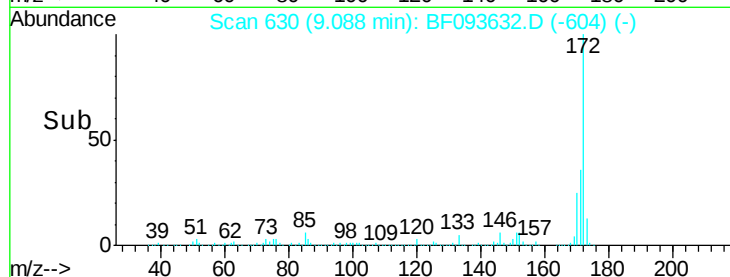
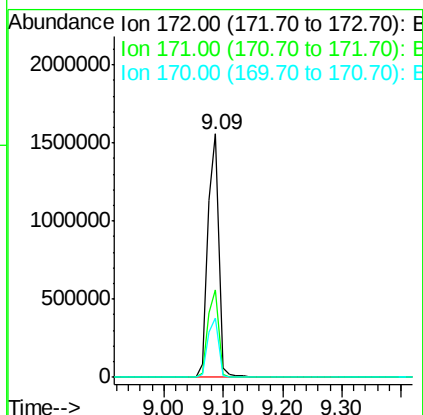
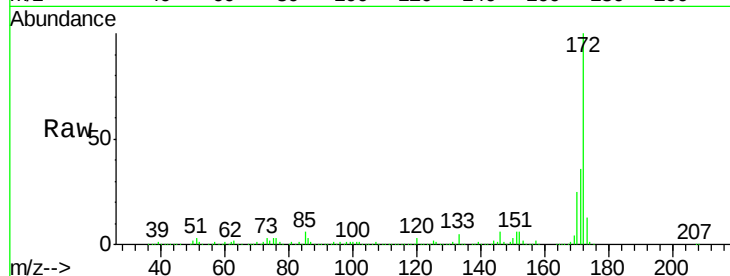




#44
 2-Fluorobiphenyl
 Concen: 183.50 ng
 RT: 9.09 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF093632.D
 Acq: 14 Mar 2017 2:58

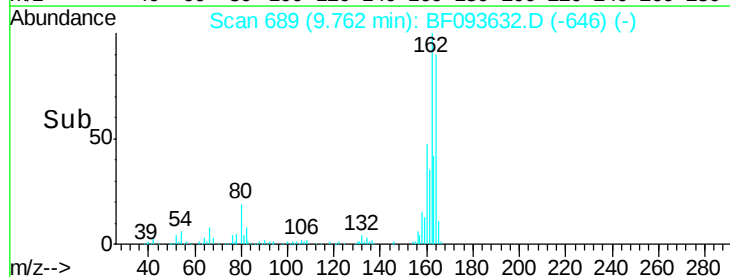
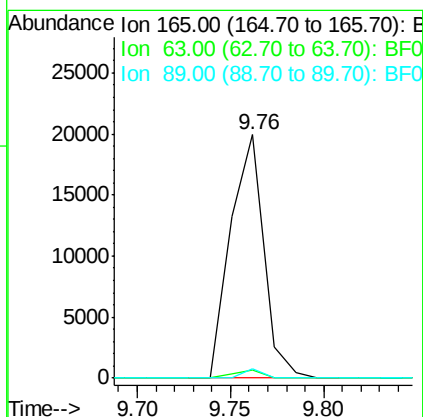
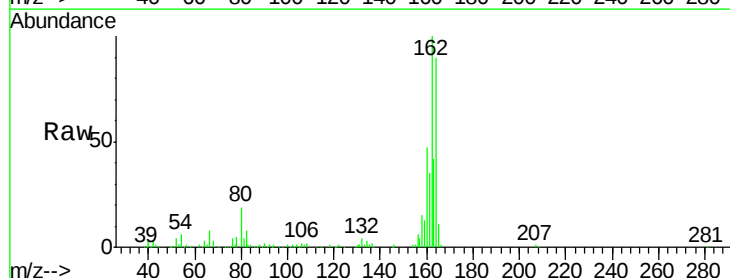
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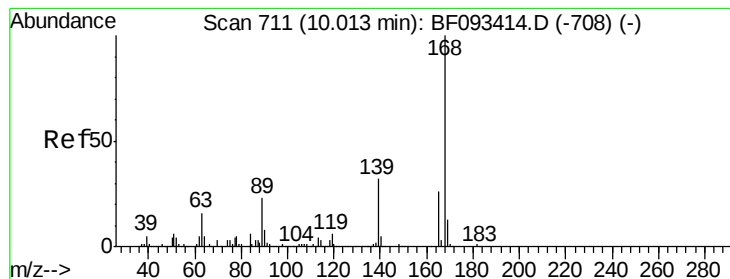
Tgt Ion:172 Resp: 1993280
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 24.5 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.47 ng
 RT: 9.76 min Scan# 689
 Delta R.T. 0.19 min
 Lab File: BF093632.D
 Acq: 14 Mar 2017 2:58

Tgt Ion:165 Resp: 24886
 Ion Ratio Lower Upper
 165 100
 63 3.1 36.2 54.4#
 89 3.6 40.2 60.4#

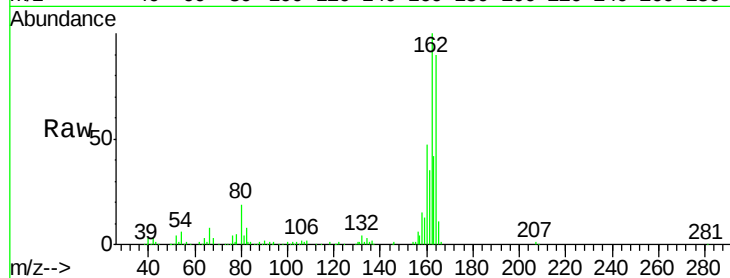




#56
 2,4-Dinitrotoluene
 Concen: 6.89 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093632.D
 Acq: 14 Mar 2017 2:58

Instrument :
 BNA_F
 ClientSampleId :
 D-97

Tgt Ion:	165	Resp:	24886
Ion Ratio	Lower	Upper	
165	100		
63	3.1	40.2	60.4#
89	3.6	62.5	93.7#
182	0.0	1.8	2.8#

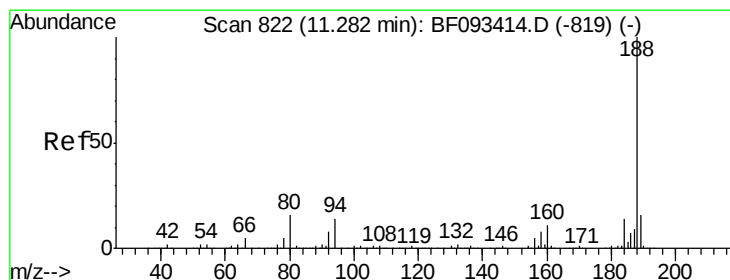
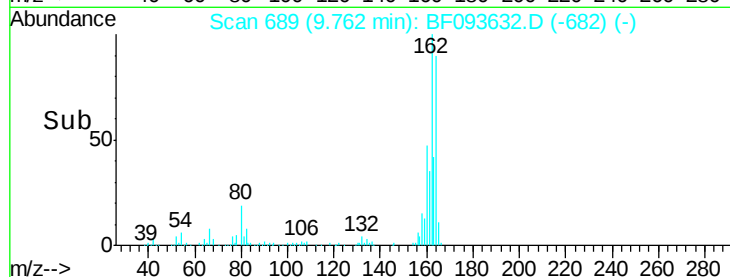
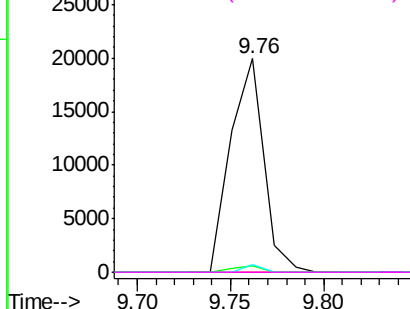


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

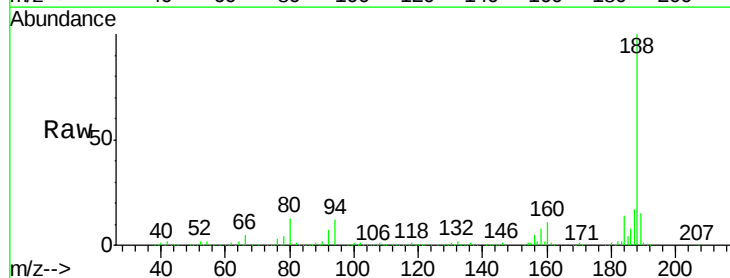
Ion 89.00 (88.70 to 89.70): BF0

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: BF093632.D
 Acq: 14 Mar 2017 2:58

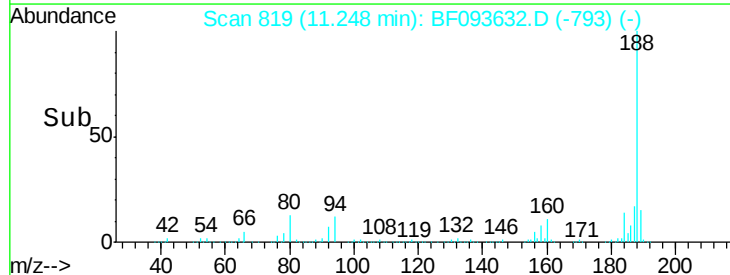
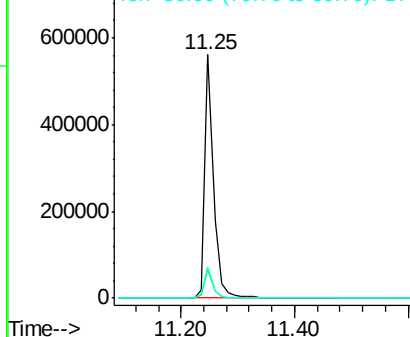
Tgt Ion:	188	Resp:	565857
Ion Ratio	Lower	Upper	
188	100		
94	11.7	10.0	15.0
80	13.1	11.2	16.8

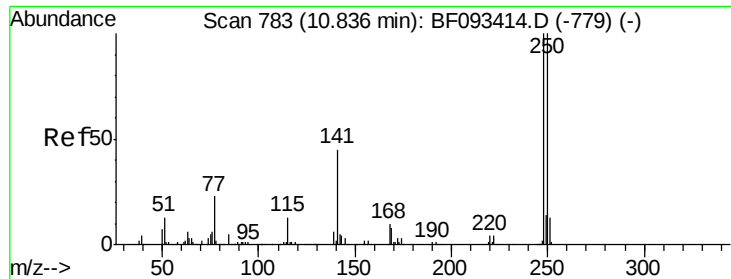


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

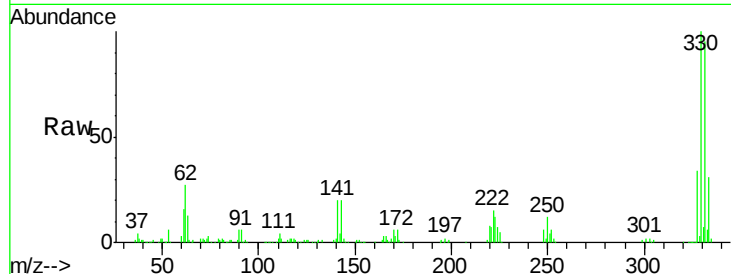




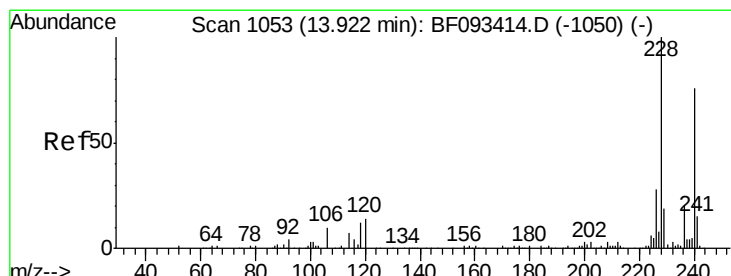
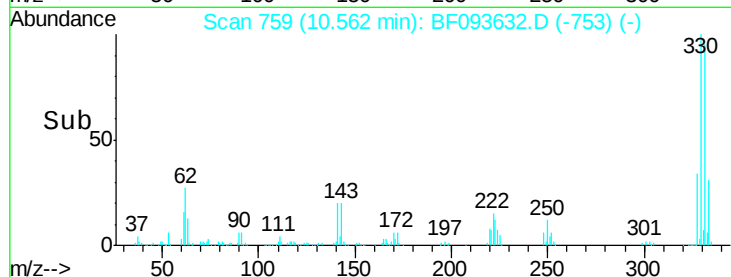
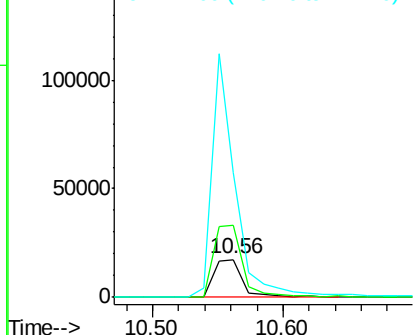
#66
4-Bromophenyl-phenylether
Concen: 4.48 ng
RT: 10.56 min Scan# 759
Delta R.T. -0.23 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

Instrument :
BNA_F
ClientSampled :
D-97

Tgt Ion: 248 Resp: 26835
Ion Ratio Lower Upper
248 100
250 188.9 76.9 115.3#
141 327.6 68.2 102.4#

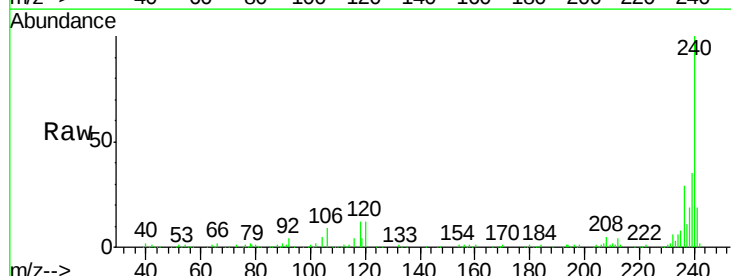


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

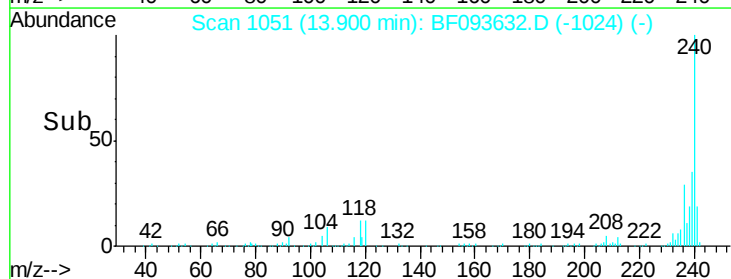
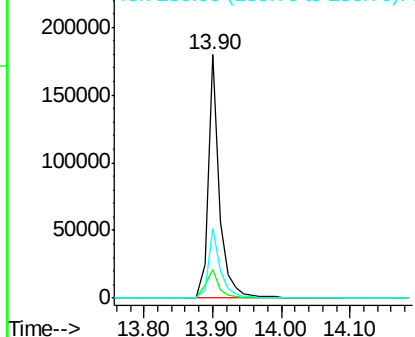


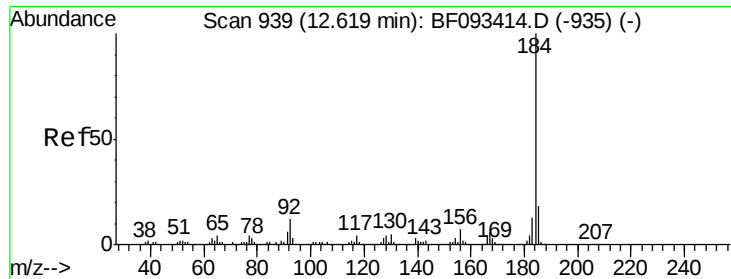
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

Tgt Ion: 240 Resp: 203968
Ion Ratio Lower Upper
240 100
120 11.8 12.9 19.3#
236 28.8 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

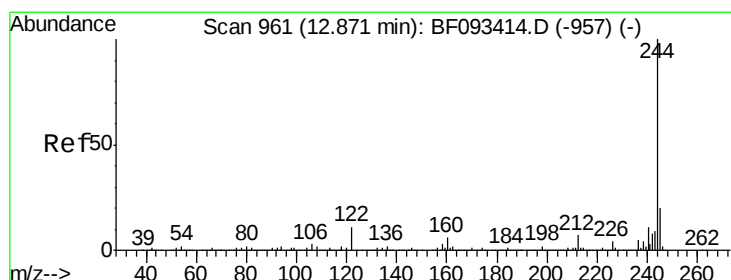
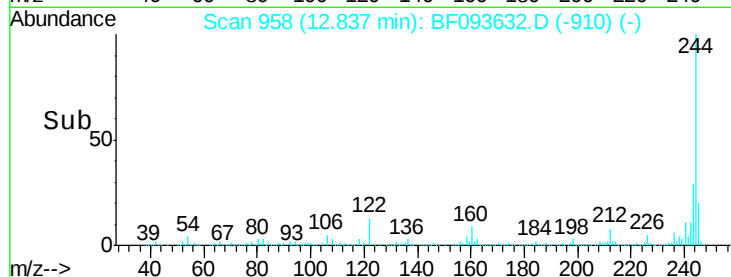
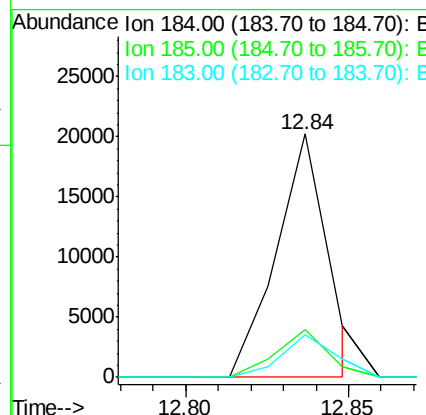
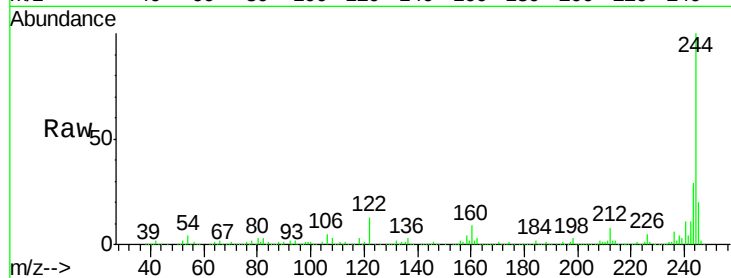




#76
Benzidine
Concen: 3.29 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.25 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

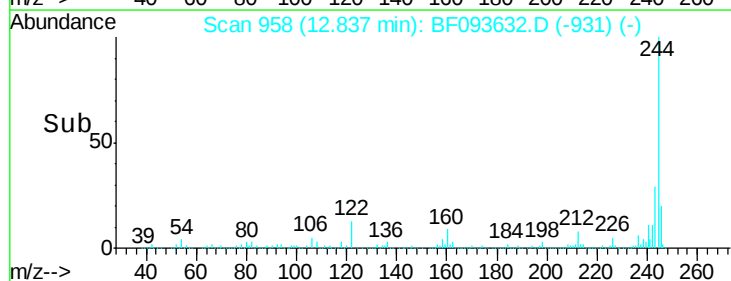
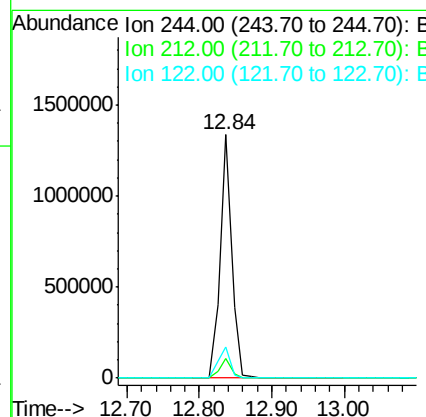
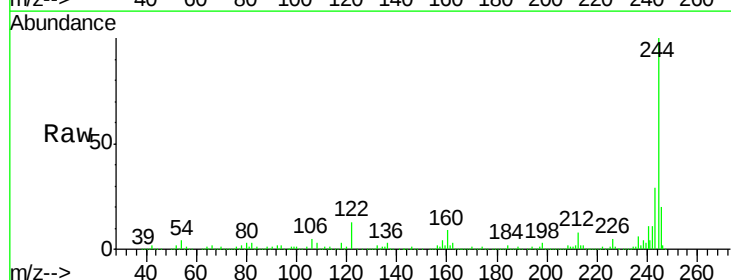
Instrument :
BNA_F
ClientSampleID :
D-97

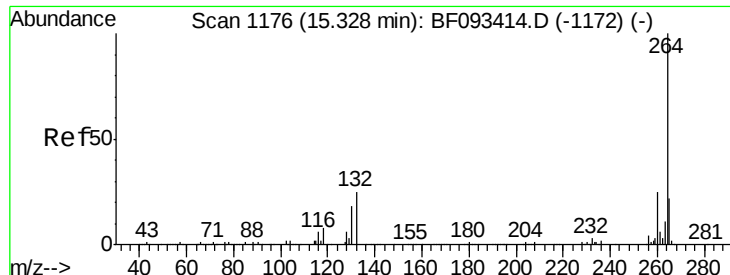
Tgt Ion:184 Resp: 22088
Ion Ratio Lower Upper
184 100
185 19.7 13.4 20.0
183 17.6 9.2 13.8#



#78
Terphenyl-d14
Concen: 189.84 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

Tgt Ion:244 Resp: 1489356
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 12.7 11.4 17.2

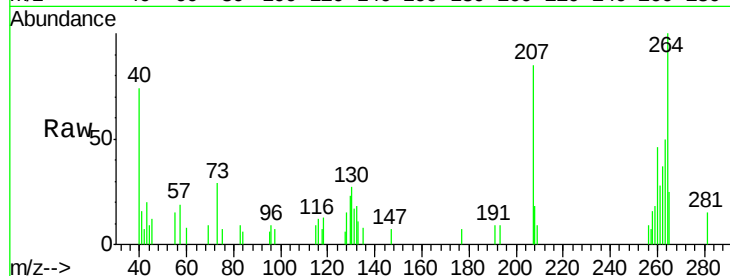




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1176
Delta R.T. 0.05 min
Lab File: BF093632.D
Acq: 14 Mar 2017 2:58

Instrument :
BNA_F
ClientSampleId :
D-97

Tgt Ion: 264 Resp: 8621
Ion Ratio Lower Upper
264 100
260 45.9 19.2 28.8#
265 25.0 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

