

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030917\
 Data File : BF093509.D
 Acq On : 10 Mar 2017 7:43
 Operator : SJ/MA
 Sample : I2132-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 08:06:15 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

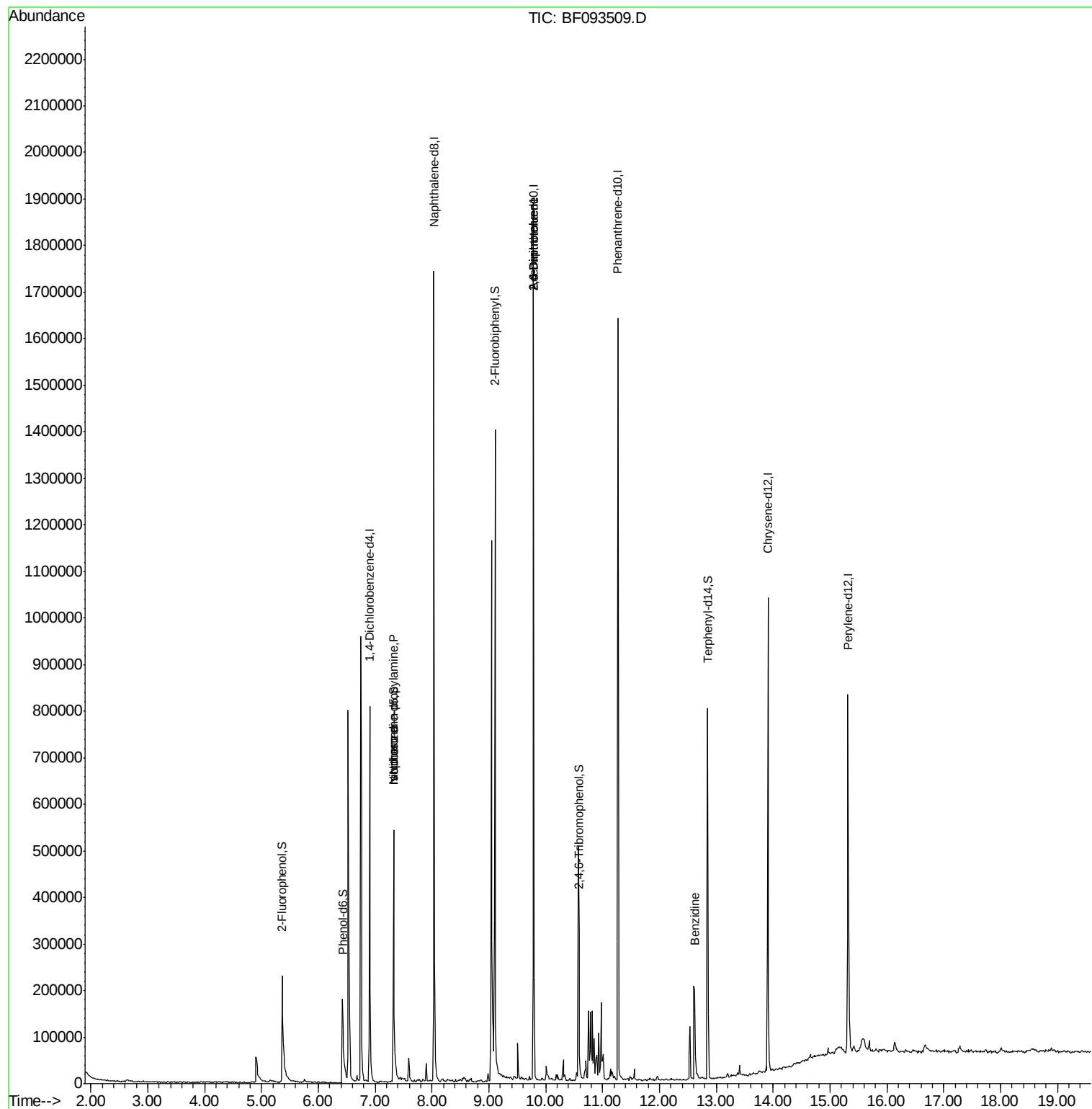
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	130186	20.00	ng	0.14
21) Naphthalene-d8	8.04	136	733946	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	339766	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	581108	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	358324	20.00	ng	-0.01
86) Perylene-d12	15.32	264	343605	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	132257	16.91	ng	0.01
7) Phenol-d6	6.42	99	121189	12.29	ng	0.01
23) Nitrobenzene-d5	7.33	82	232595	17.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	56086	25.34	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	424705	23.25	ng	-0.02
78) Terphenyl-d14	12.85	244	224520	16.29	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	31159	4.59	ng	# 77
25) Isophorone	7.33	82	233108	8.74	ng	# 65
50) 2,6-Dinitrotoluene	9.78	165	42466	8.59	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	42459	6.99	ng	# 20
76) Benzidine	12.62	184	128967	10.94	ng	97

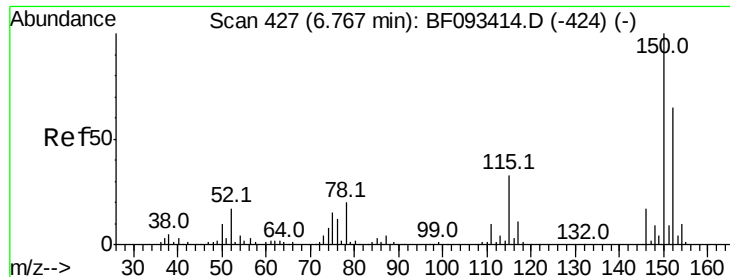
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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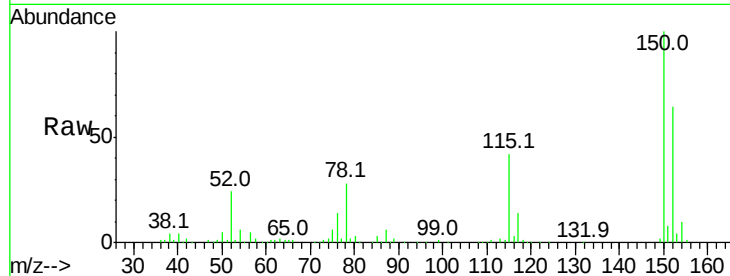


#1

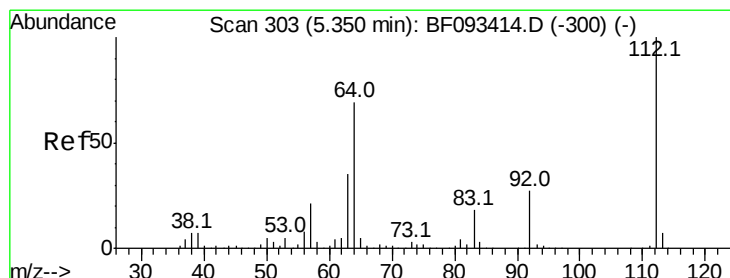
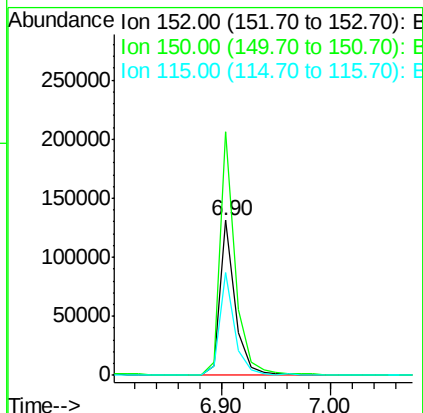
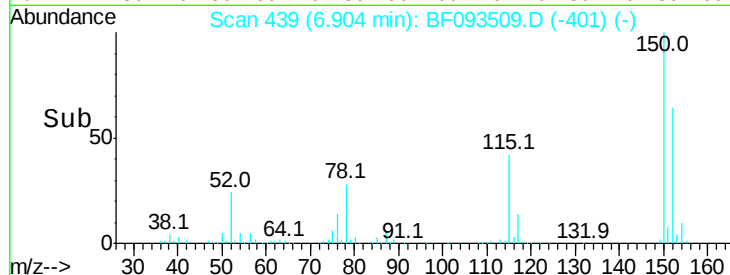
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 439
Delta R.T. 0.14 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	66.2	46.0	69.0



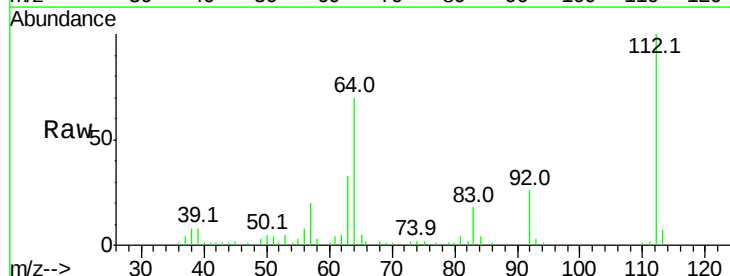
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



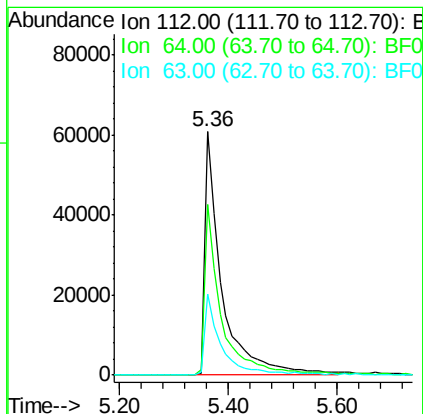
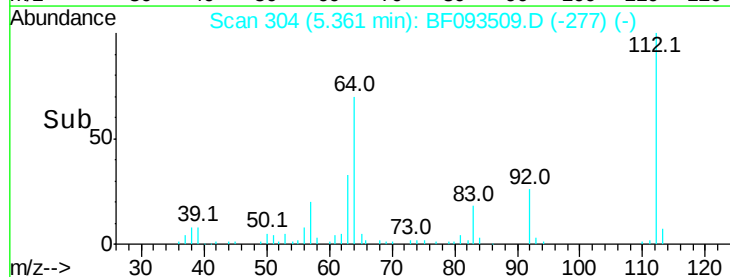
#5

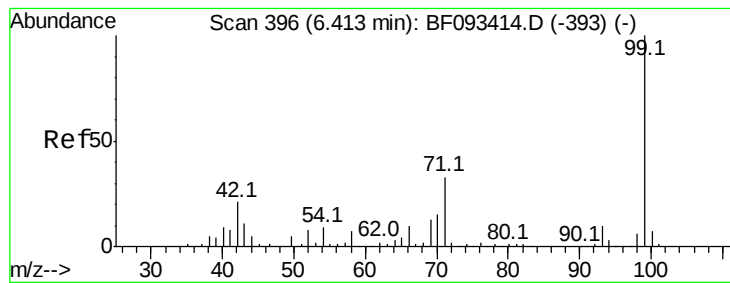
2-Fluorophenol
Concen: 16.91 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	46.1	69.1#
63	33.3	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: 12.29 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampleId :

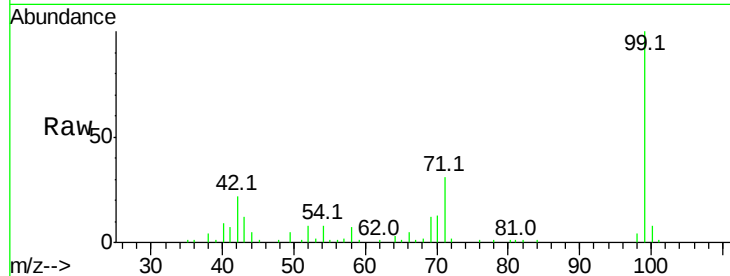
Tot Ion: 99 Resp: 121189

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

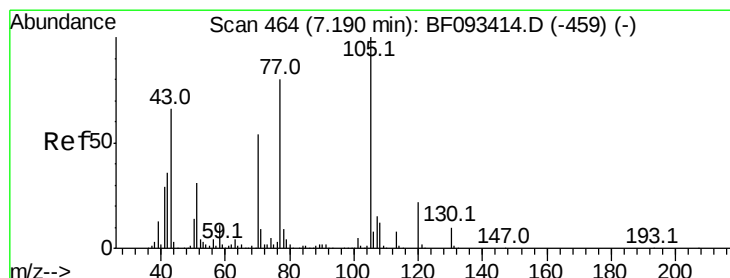
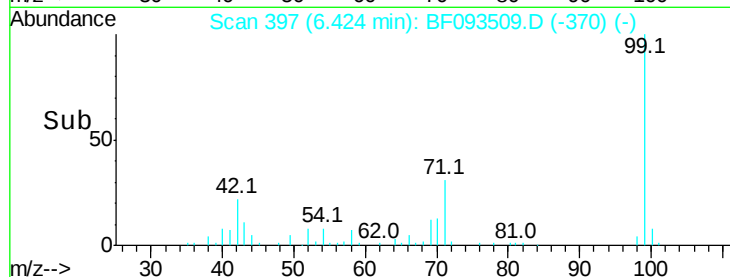
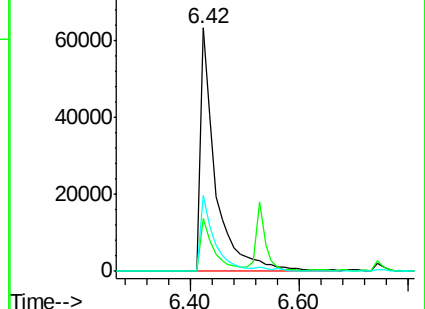
71 31.0 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.59 ng

RT: 7.33 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Tgt Ion: 70 Resp: 31159

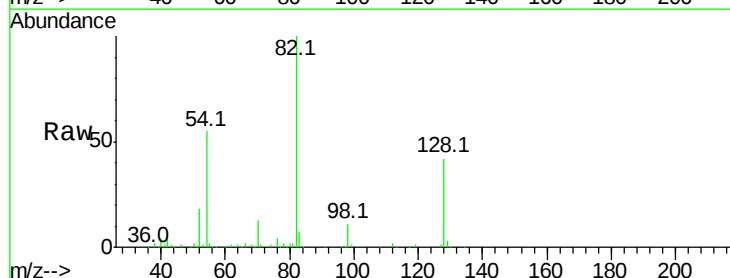
Ion Ratio Lower Upper

70 100

42 47.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.8 14.2 21.4#

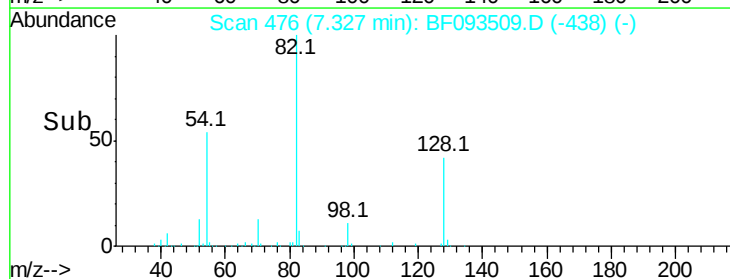
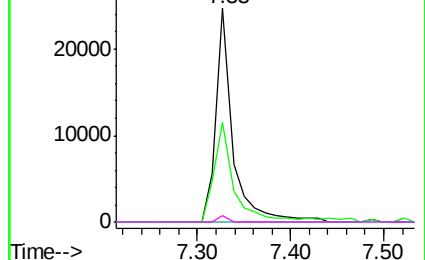


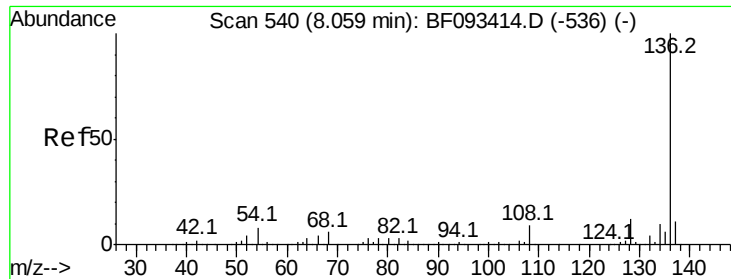
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

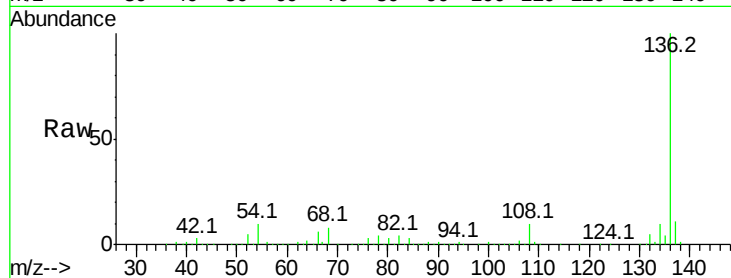




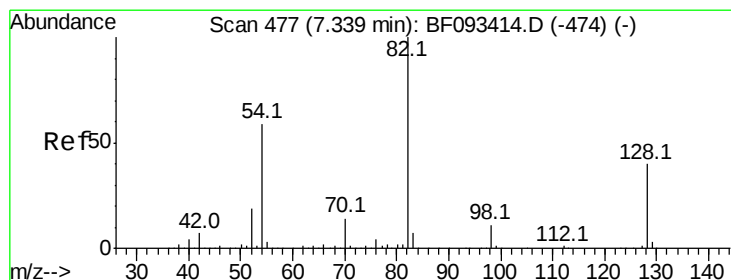
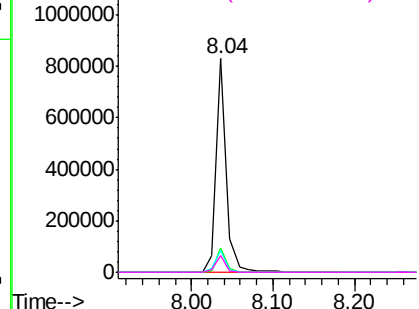
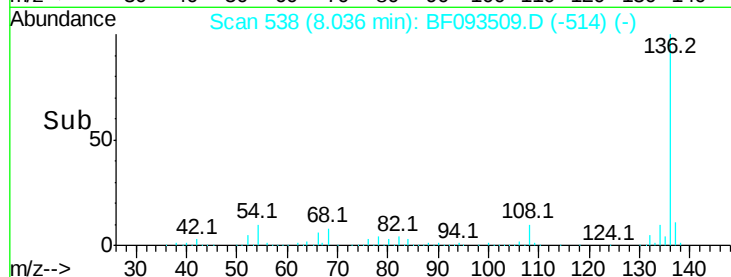
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	733946
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	10.4	4.5	6.7#
68	7.5	3.6	5.4#

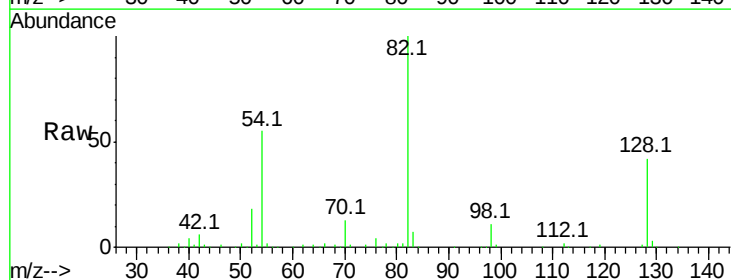


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

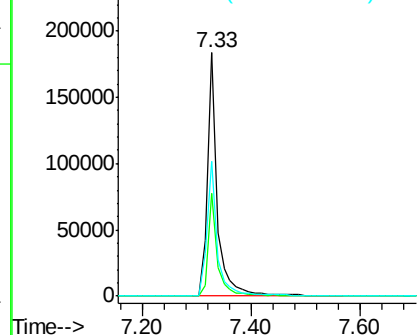
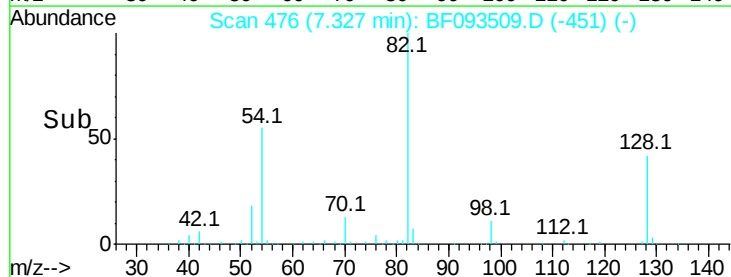


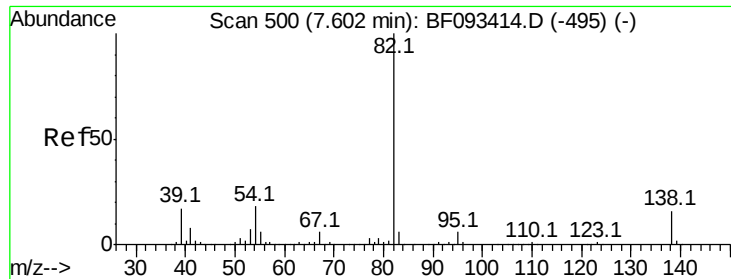
#23
Nitrobenzene-d5
Concen: 17.58 ng
RT: 7.33 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Tgt Ion:	82	Resp:	232595
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	52.0
54	55.4	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 8.74 ng

RT: 7.33 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampled :

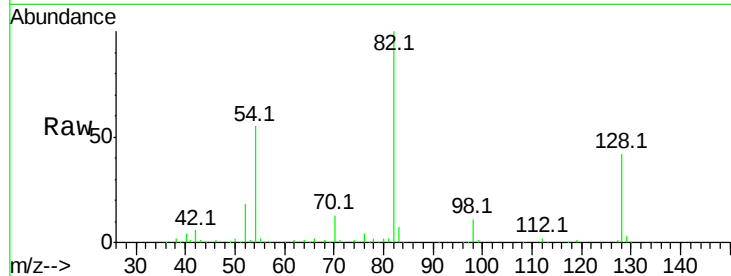
Tot Ion: 82 Resp: 233108

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

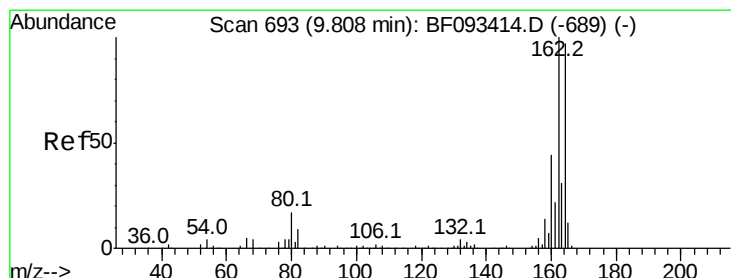
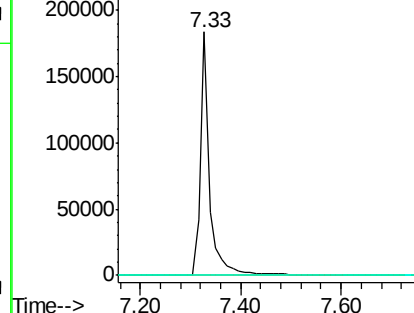
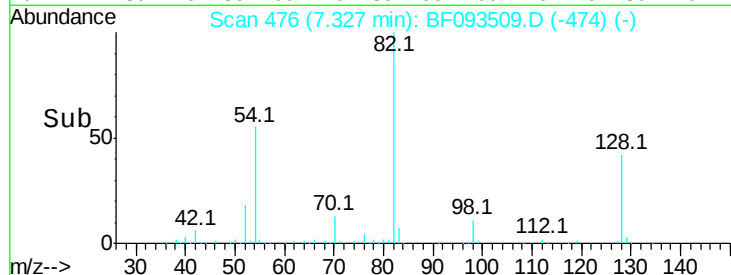
138 0.0 14.6 22.0#



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: 9.78 min Scan# 691

Delta R.T. -0.02 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

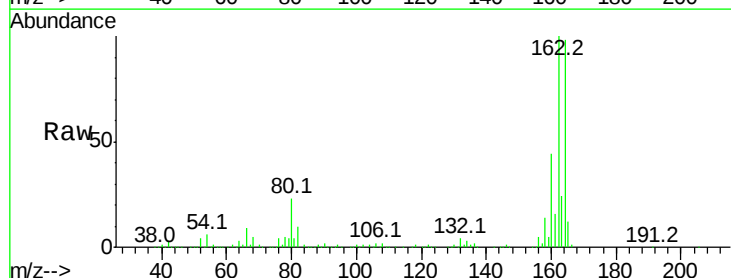
Tgt Ion:164 Resp: 339766

Ion Ratio Lower Upper

164 100

162 102.5 80.2 120.2

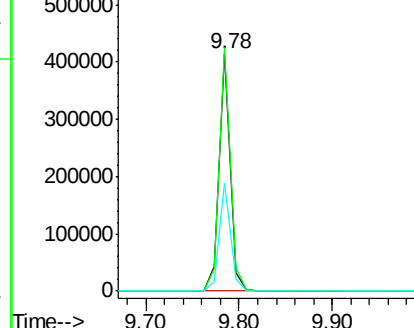
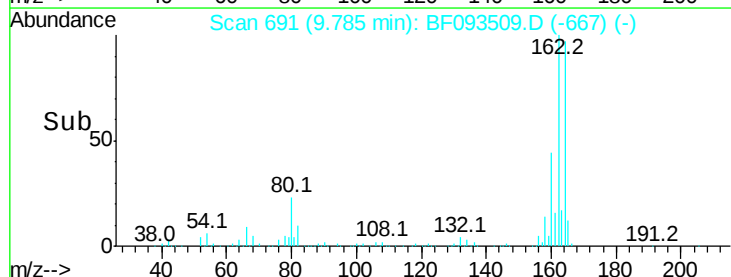
160 45.2 36.9 55.3

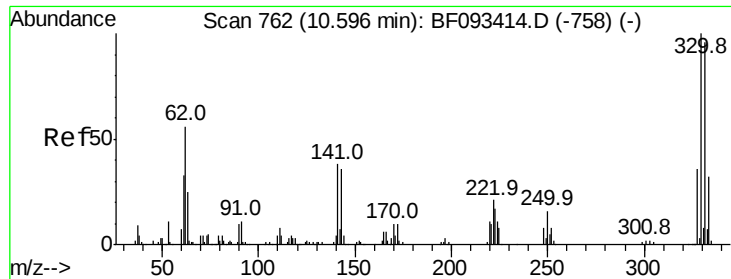


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

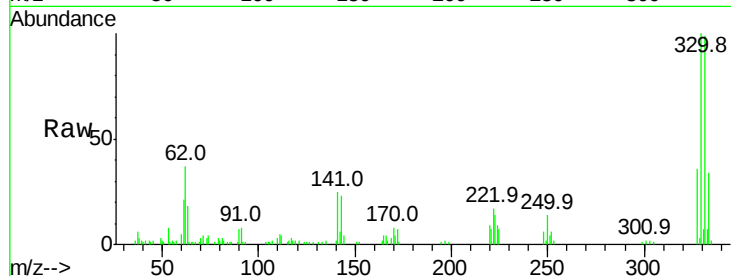




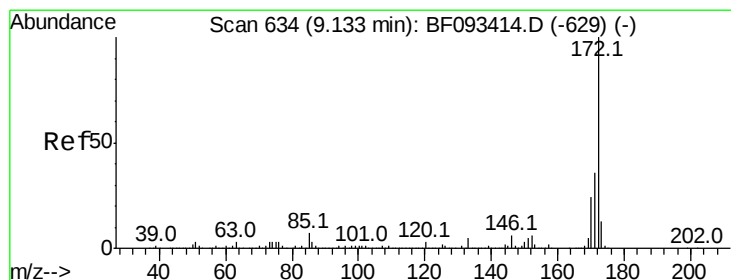
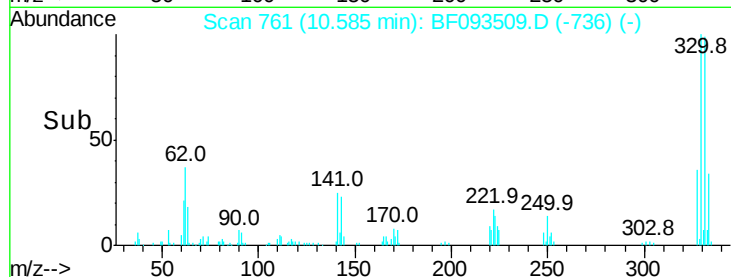
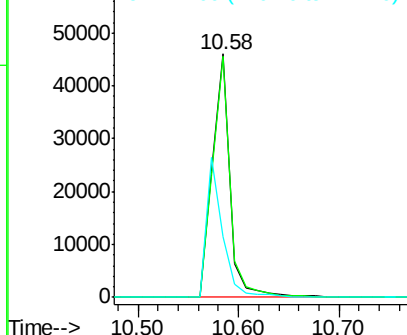
#41
 2,4,6-Tribromophenol
 Concen: 25.34 ng
 RT: 10.58 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF093509.D
 Acq: 10 Mar 2017 7:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 56086
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.4 116.2
 141 52.1 34.1 51.1#

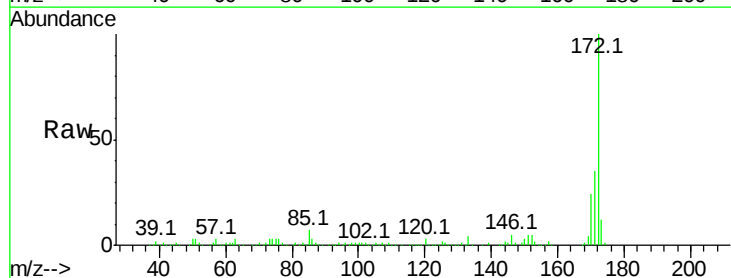


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

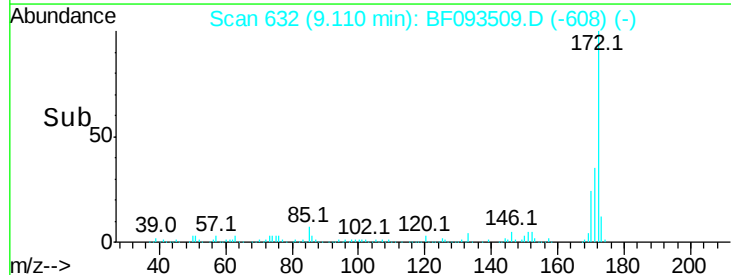
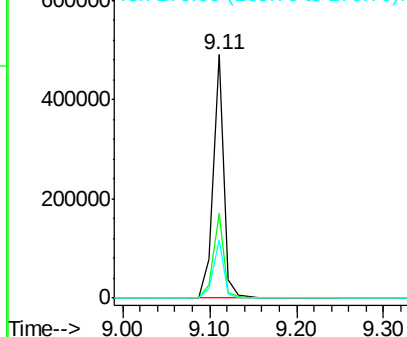


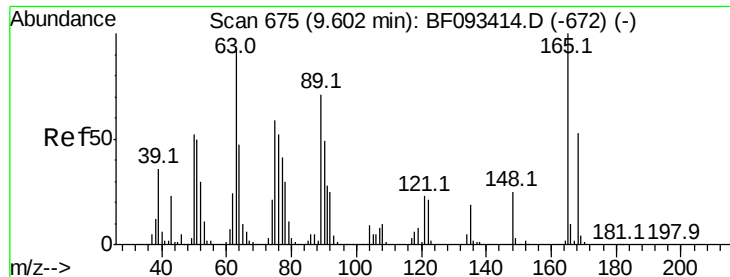
#44
 2-Fluorobiphenyl
 Concen: 23.25 ng
 RT: 9.11 min Scan# 632
 Delta R.T. -0.02 min
 Lab File: BF093509.D
 Acq: 10 Mar 2017 7:43

Tgt Ion:172 Resp: 424705
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.4 44.0
 170 24.1 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: 8.59 ng

RT: 9.78 min Scan# 691

Delta R.T. 0.18 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :
BNA_F
ClientSampleId :

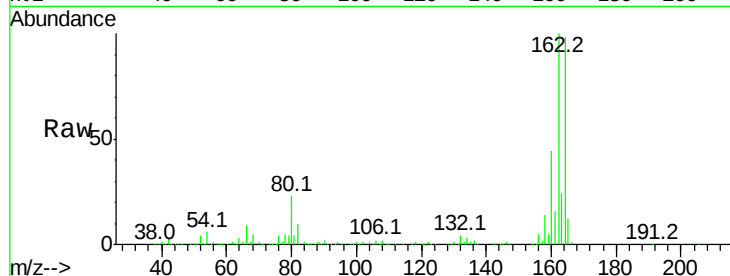
Tot Ion:165 Resp: 42466

Ion Ratio Lower Upper

165 100

63 1.6 36.2 54.4#

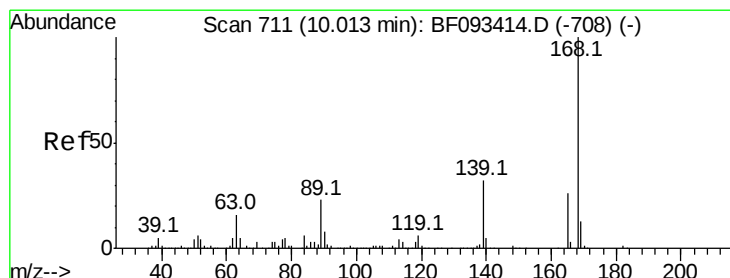
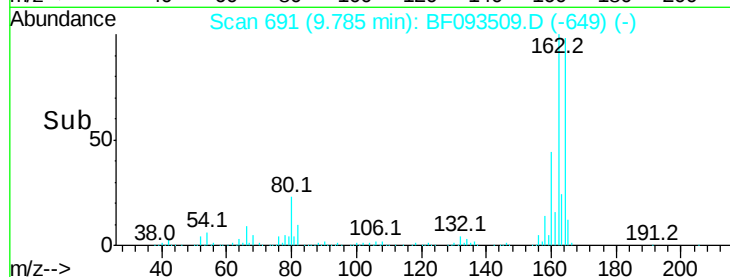
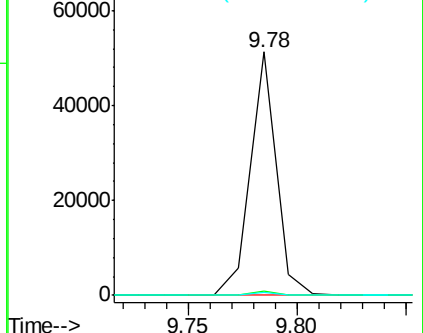
89 1.3 40.2 60.4#



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: 6.99 ng

RT: 9.78 min Scan# 691

Delta R.T. -0.23 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Tgt Ion:165 Resp: 42459

Ion Ratio Lower Upper

165 100

63 1.6 40.2 60.4#

89 1.3 62.5 93.7#

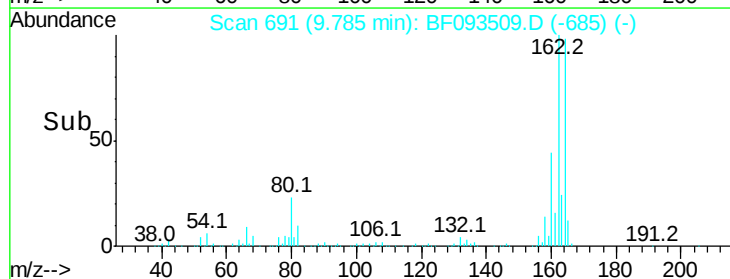
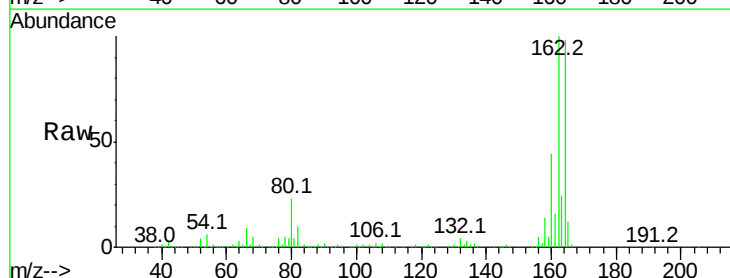
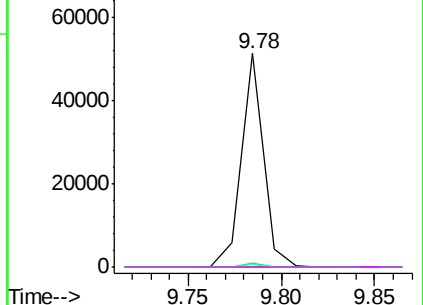
182 0.0 1.8 2.8#

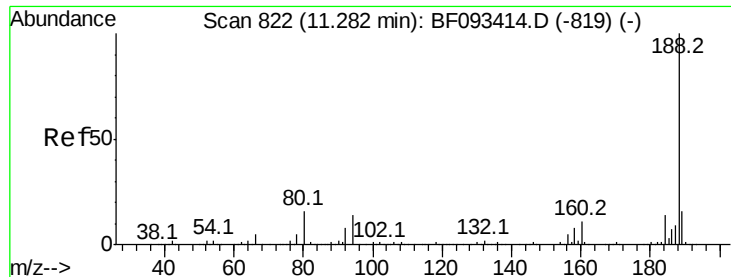
Abundance Ion 165.00 (164.70 to 165.70): E

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

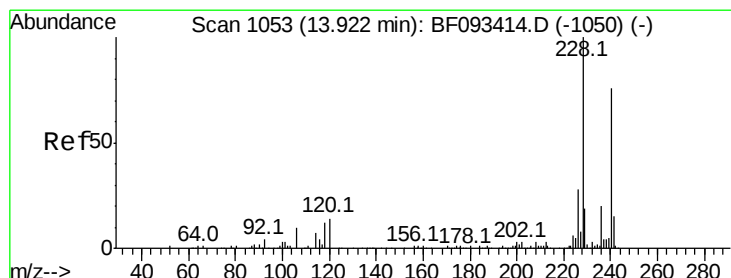
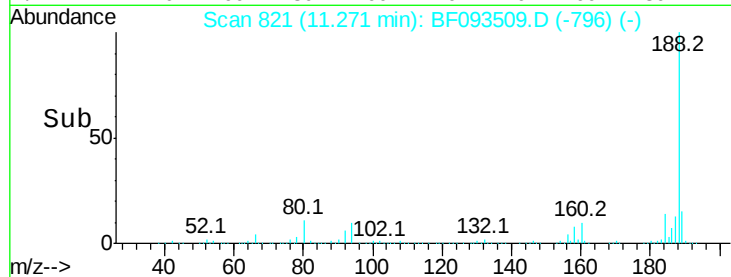
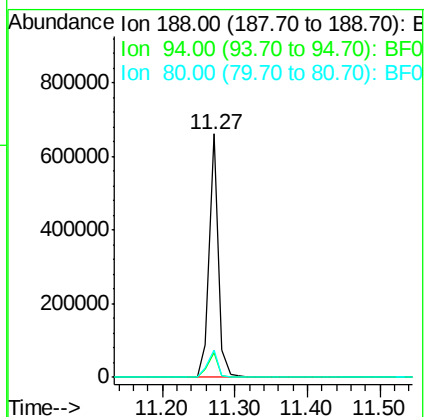
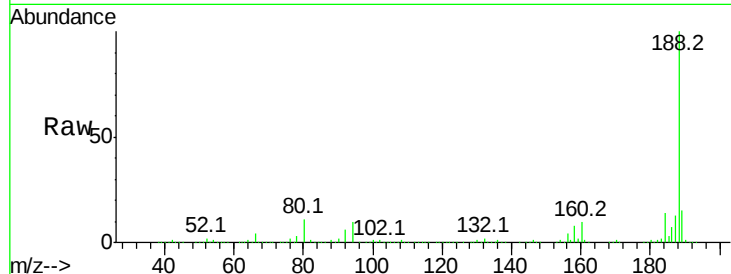




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

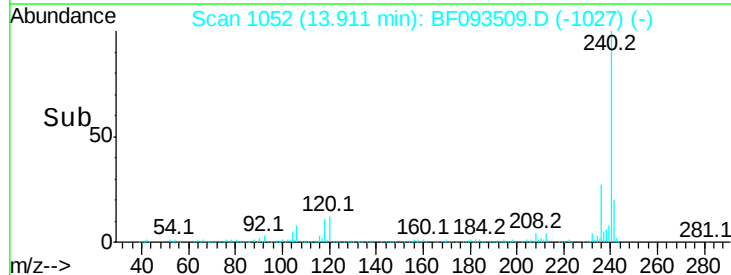
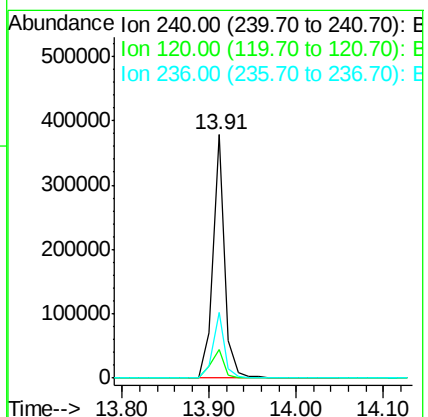
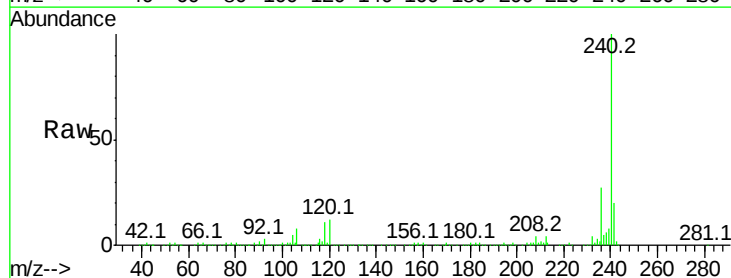
Instrument :
BNA_F
ClientSampleId :

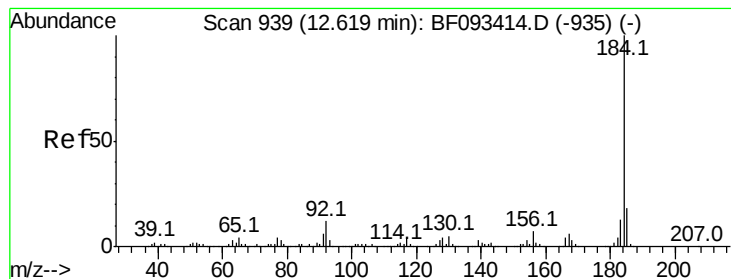
Tot Ion:188 Resp: 581108
Ion Ratio Lower Upper
188 100
94 10.3 10.0 15.0
80 11.2 11.2 16.8#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF093509.D
Acq: 10 Mar 2017 7:43

Tgt Ion:240 Resp: 358324
Ion Ratio Lower Upper
240 100
120 11.9 12.9 19.3#
236 26.9 20.9 31.3





#76

Benzidine

Concen: 10.94 ng

RT: 12.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

Instrument :

BNA_F

ClientSampled :

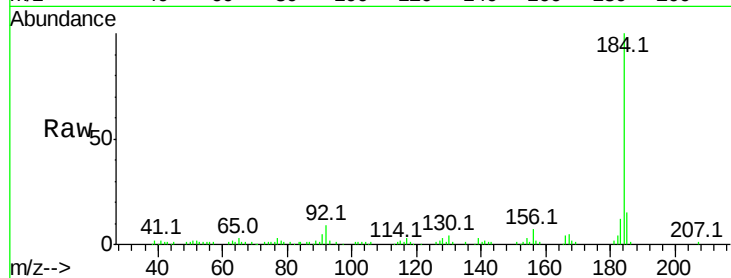
Tot Ion:184 Resp: 128967

Ion Ratio Lower Upper

184 100

185 14.9 13.4 20.0

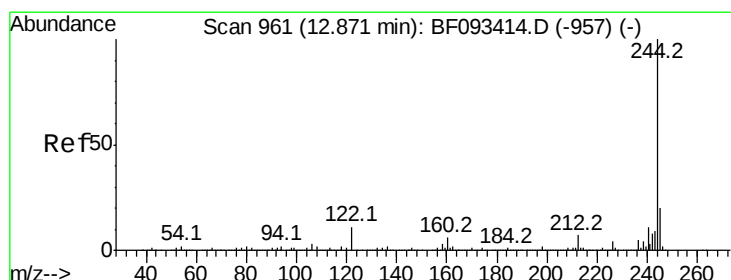
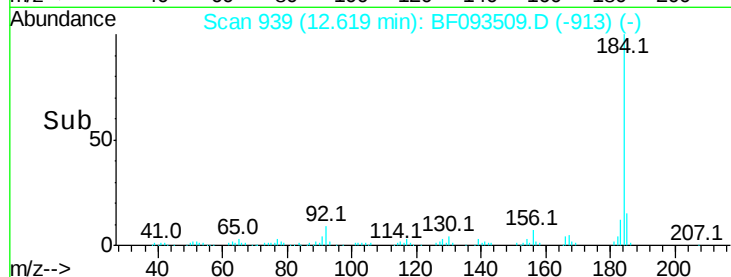
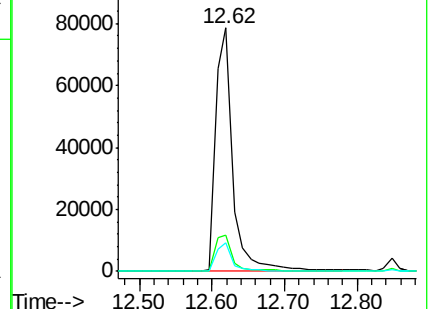
183 11.7 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 16.29 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093509.D

Acq: 10 Mar 2017 7:43

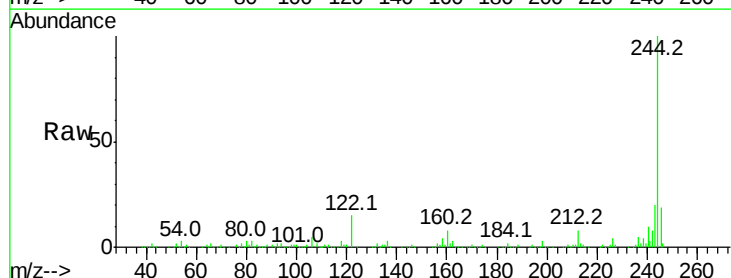
Tgt Ion:244 Resp: 224520

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

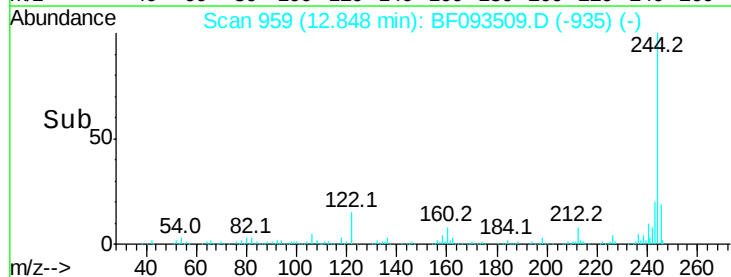
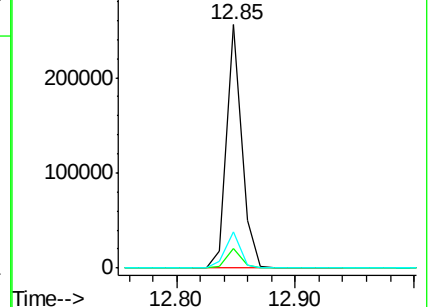
122 14.7 11.4 17.2

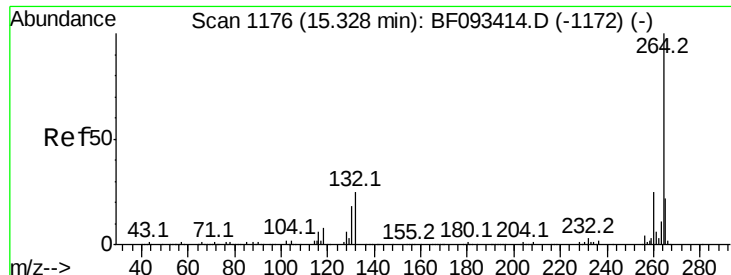


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

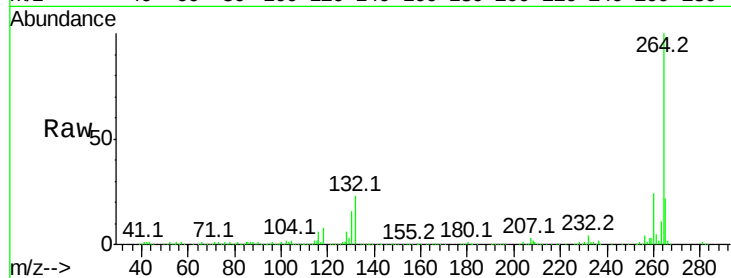




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: BF093509.D
 Acq: 10 Mar 2017 7:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	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

