

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093592.D
 Acq On : 12 Mar 2017 5:48
 Operator : SJ/MA
 Sample : I2132-01RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-21RE

Quant Time: Mar 13 18:09:05 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

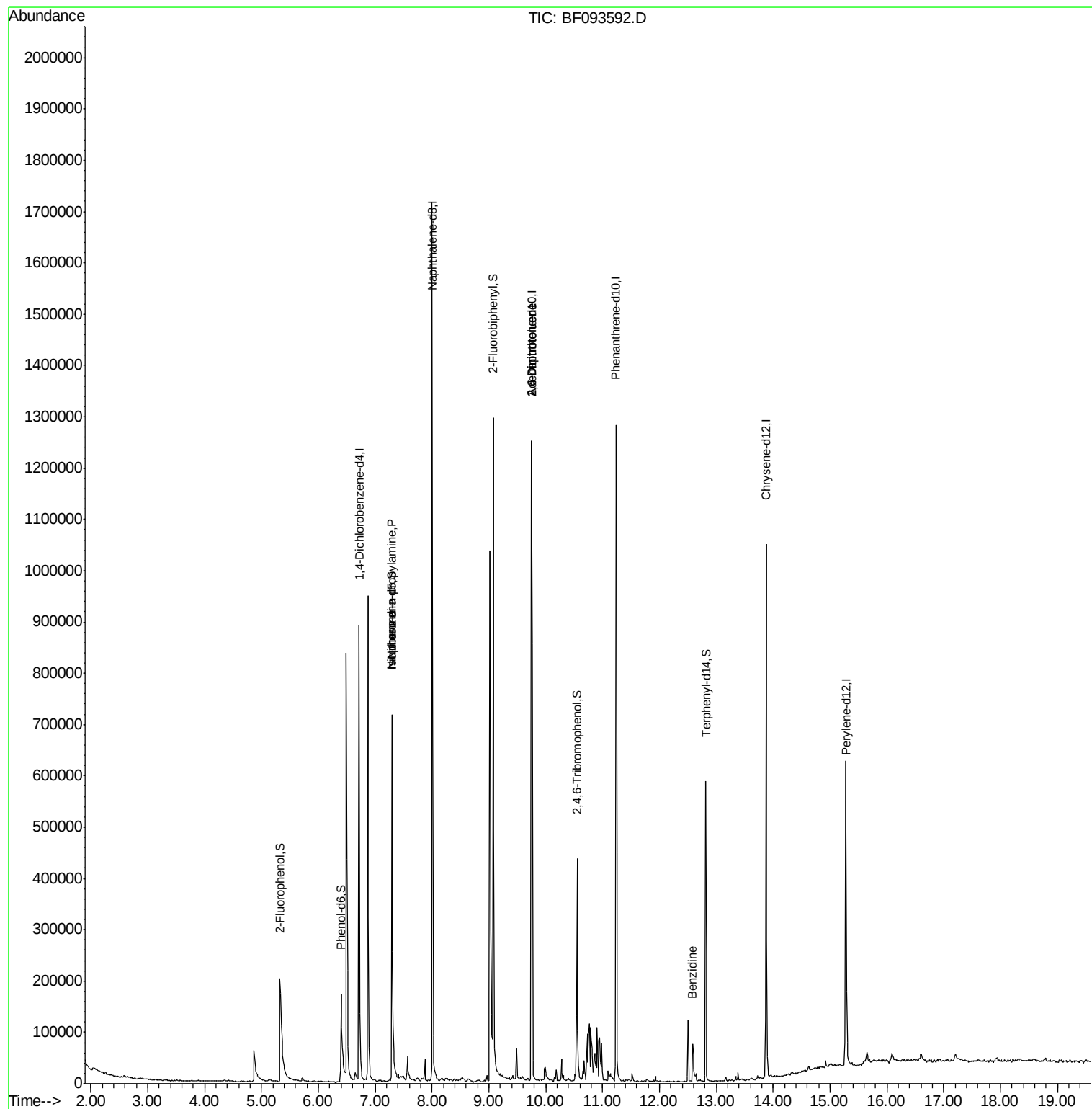
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	208674	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	824050	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	314635	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	500943	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	381448	20.00	ng	-0.01
86) Perylene-d12	15.28	264	332709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	151965	12.12	ng	0.01
7) Phenol-d6	6.40	99	125269	7.92	ng	0.02
23) Nitrobenzene-d5	7.29	82	296337	19.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	58762	28.67	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	418622	24.75	ng	-0.01
78) Terphenyl-d14	12.81	244	197946	13.49	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	37441	3.44	ng	# 82
25) Isophorone	7.29	82	296351	9.89	ng	# 65
50) 2,6-Dinitrotoluene	9.75	165	40923	8.94	ng	# 31
56) 2,4-Dinitrotoluene	9.75	165	40923	7.28	ng	# 20
76) Benzidine	12.59	184	53168	4.24	ng	97

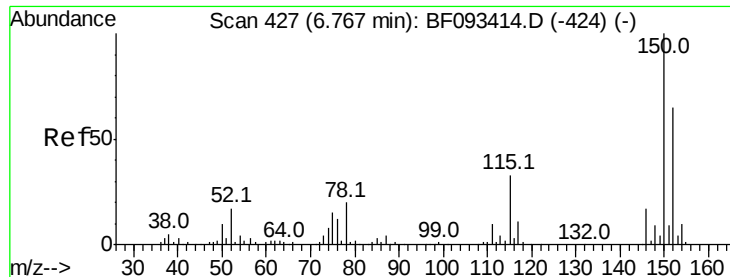
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
Data File : BF093592.D
Acq On : 12 Mar 2017 5:48
Operator : SJ/MA
Sample : I2132-01RE
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-21RE

Quant Time: Mar 13 18:09:05 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

Instrument :

BNA_F

ClientSampleId :

W-21RE

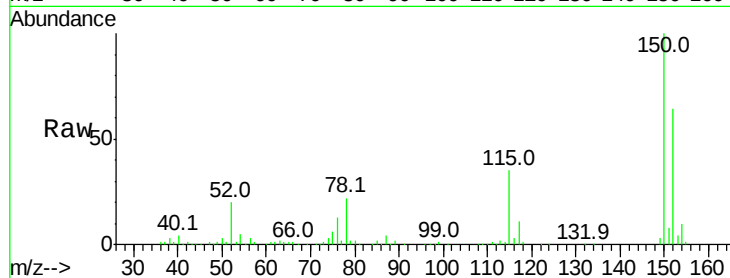
Tot Ion:152 Resp: 208674

Ion Ratio Lower Upper

152 100

150 155.3 124.9 187.3

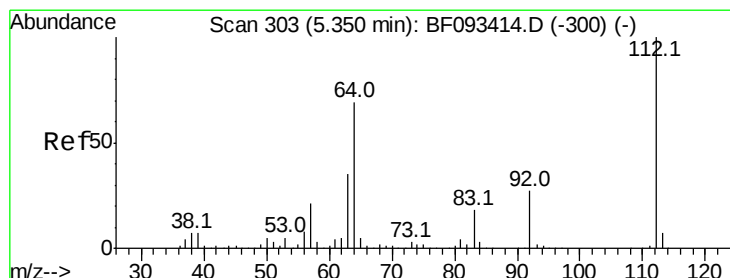
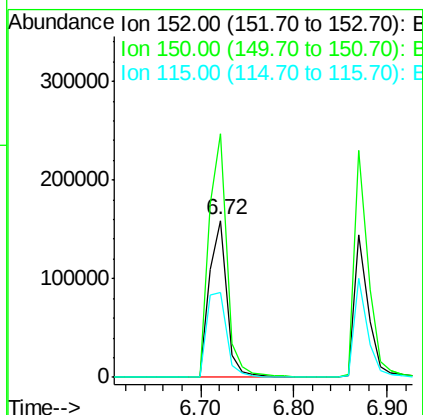
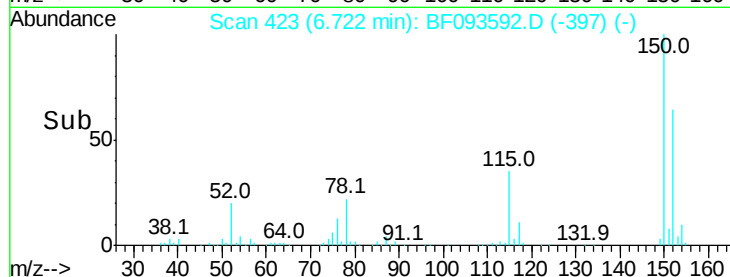
115 53.8 46.0 69.0



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: 12.12 ng

RT: 5.33 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

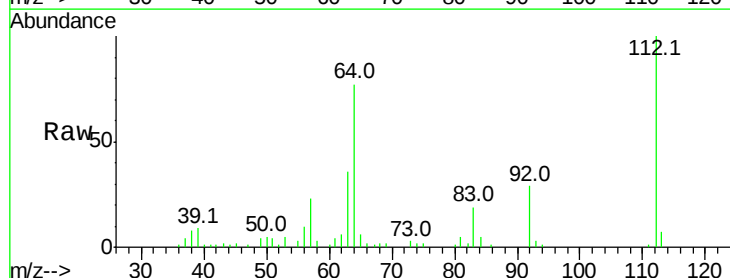
Tgt Ion:112 Resp: 151965

Ion Ratio Lower Upper

112 100

64 77.1 46.1 69.1#

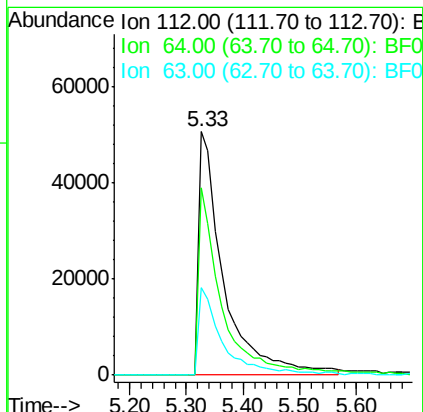
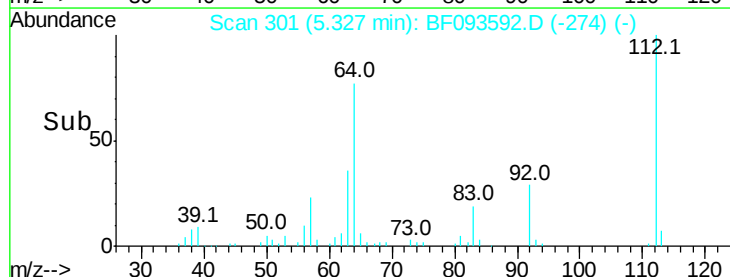
63 36.2 23.8 35.6#

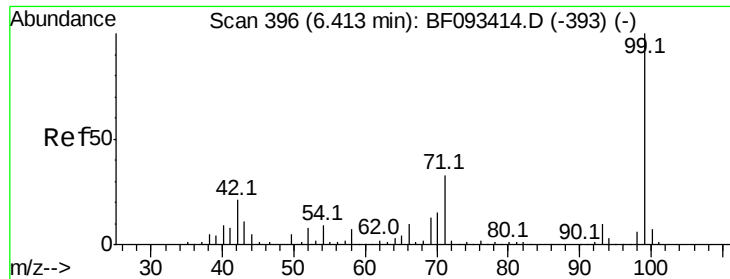


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 7.92 ng

RT: 6.40 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

Instrument :

BNA_F

ClientSampleId :

W-21RE

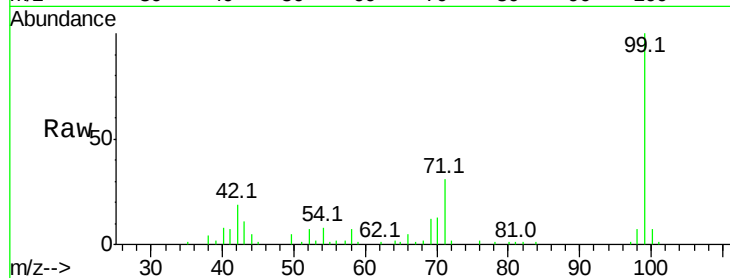
Tot Ion: 99 Resp: 125269

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

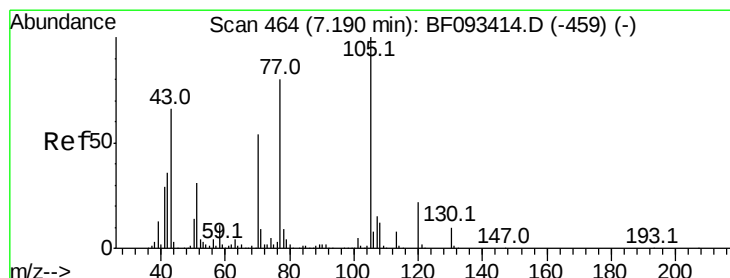
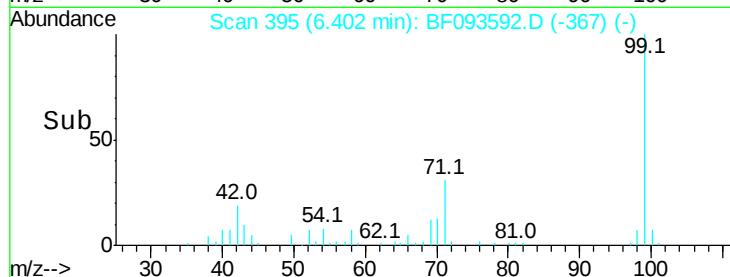
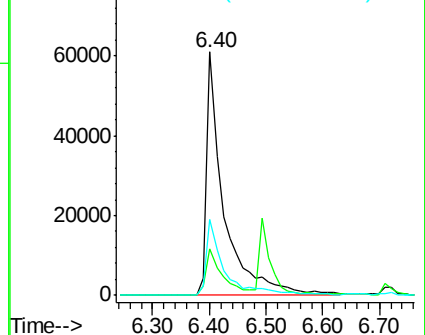
71 31.4 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.44 ng

RT: 7.29 min Scan# 473

Delta R.T. 0.15 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

Tgt Ion: 70 Resp: 37441

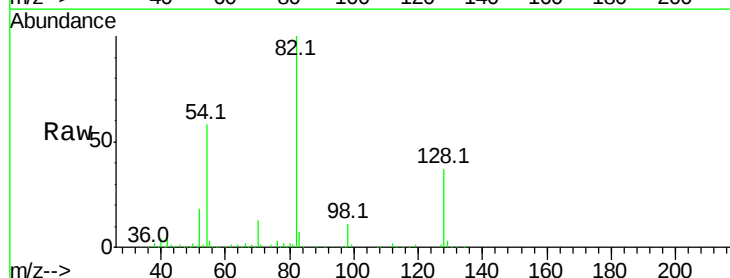
Ion Ratio Lower Upper

70 100

42 53.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

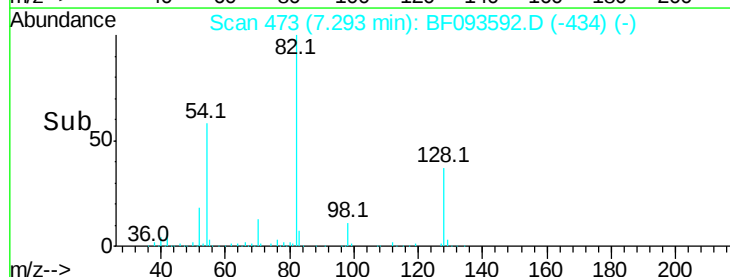
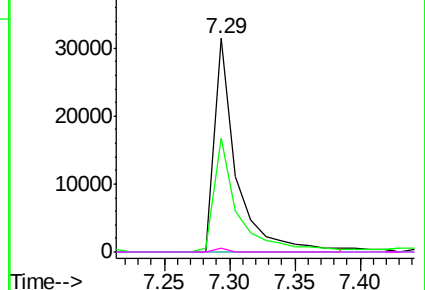


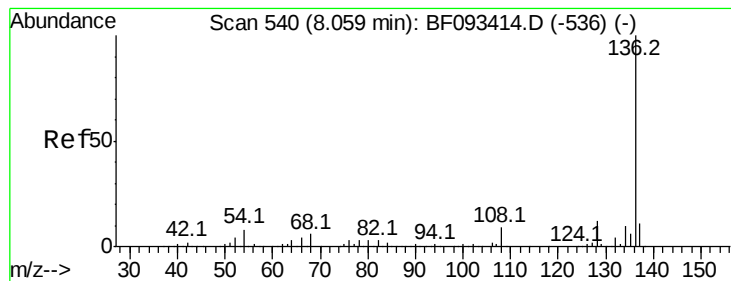
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF093592.D

Acq: 12 Mar 2017 5:48

Instrument :

BNA_F

ClientSampleId :

W-21RE

Tot Ion:136 Resp: 824050

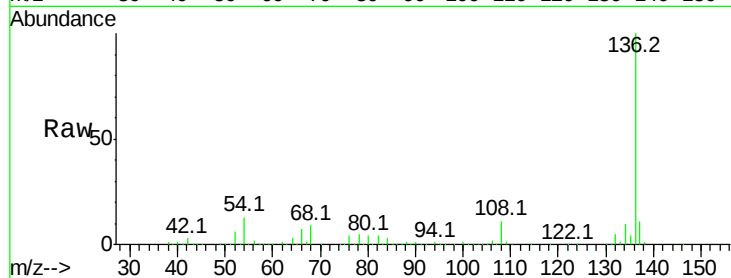
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 12.6 4.5 6.7#

68 8.8 3.6 5.4#

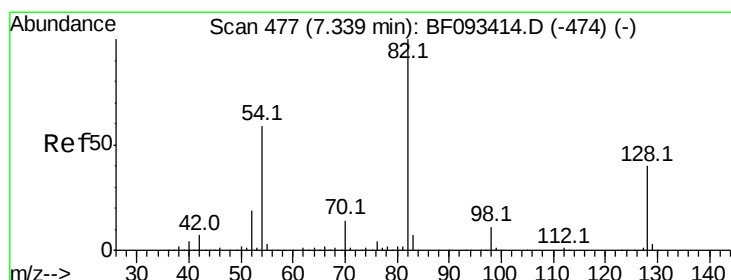
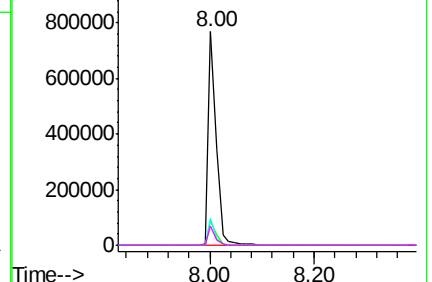
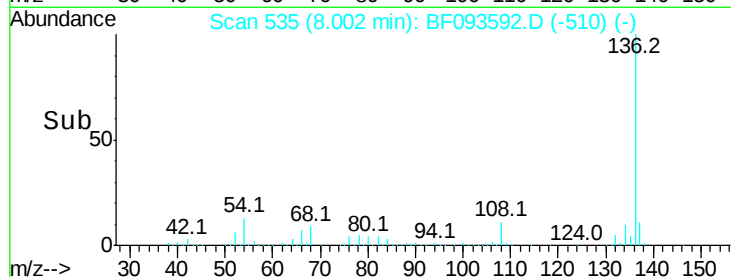


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.95 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.01 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

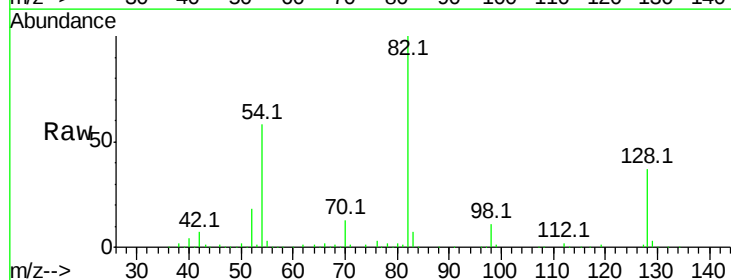
Tgt Ion: 82 Resp: 296337

Ion Ratio Lower Upper

82 100

128 37.5 34.6 52.0

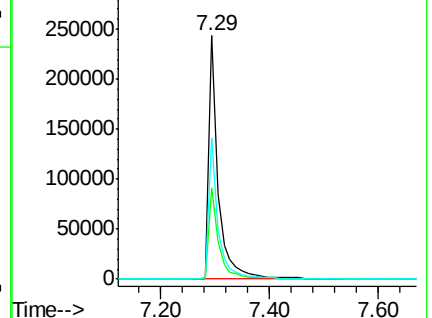
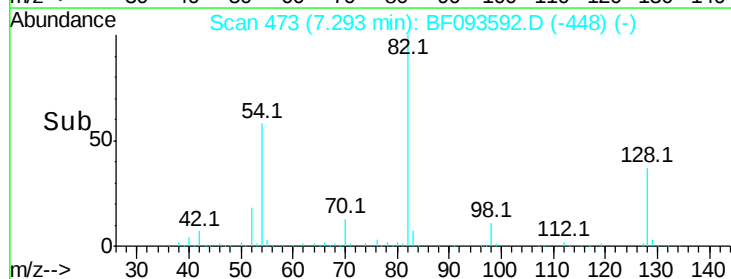
54 57.8 39.5 59.3

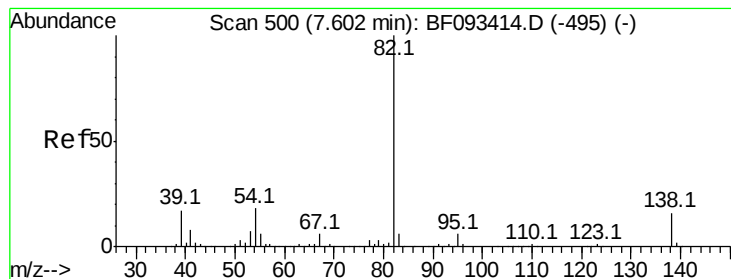


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 9.89 ng

RT: 7.29 min Scan# 473

Delta R.T. -0.26 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

Instrument :

BNA_F

ClientSampleId :

W-21RE

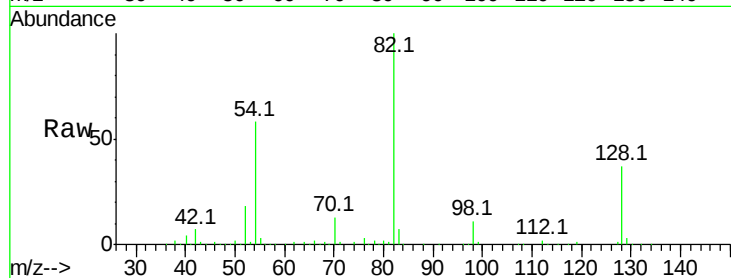
Tot Ion: 82 Resp: 296351

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

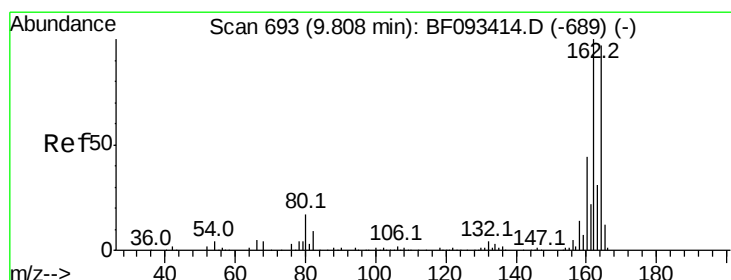
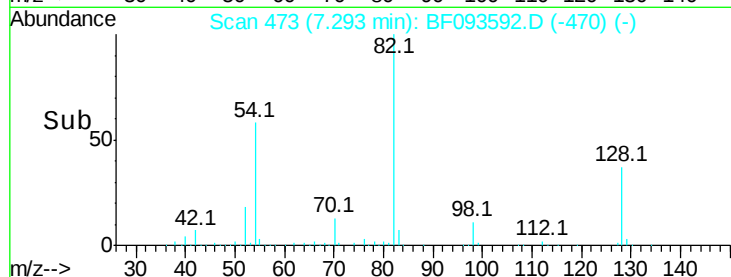
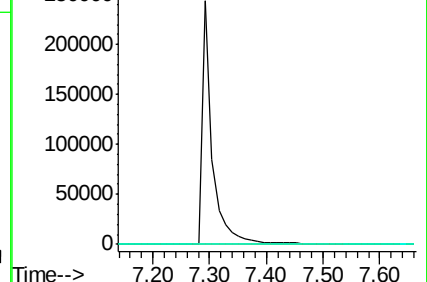
138 0.0 14.6 22.0#



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: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

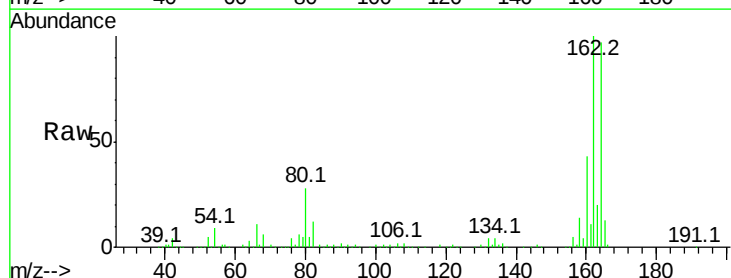
Tgt Ion:164 Resp: 314635

Ion Ratio Lower Upper

164 100

162 102.9 80.2 120.2

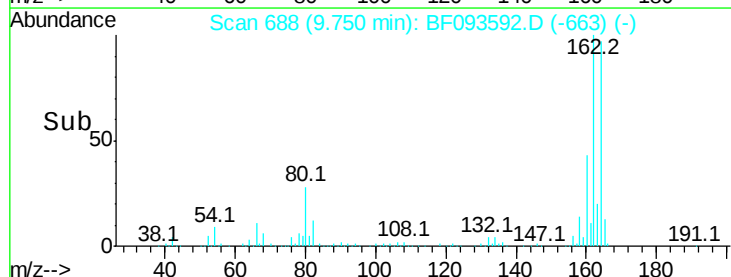
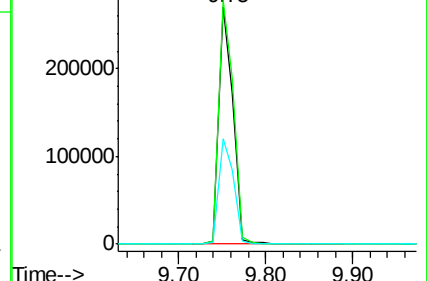
160 44.3 36.9 55.3

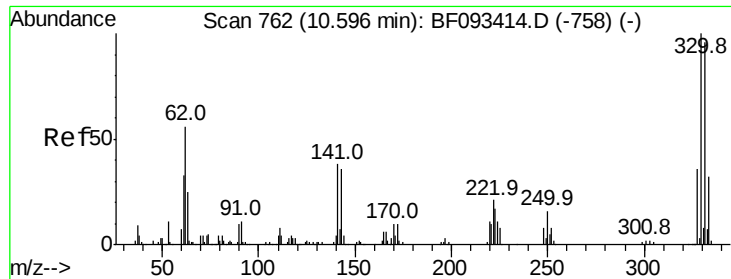


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

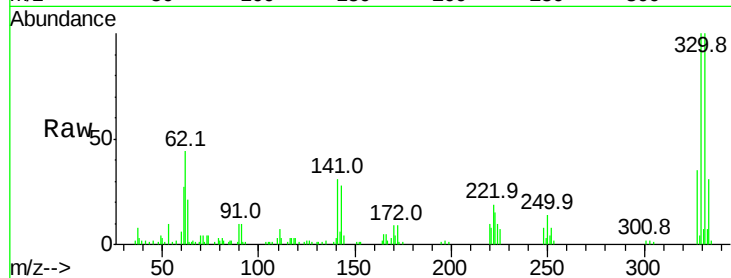




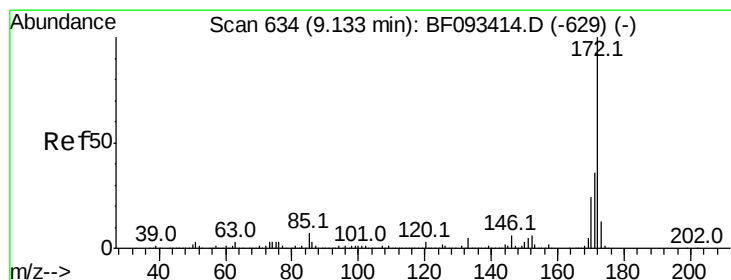
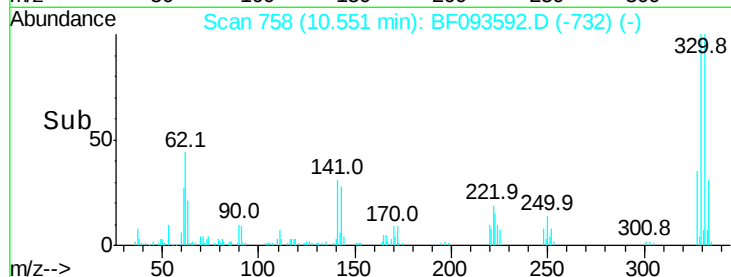
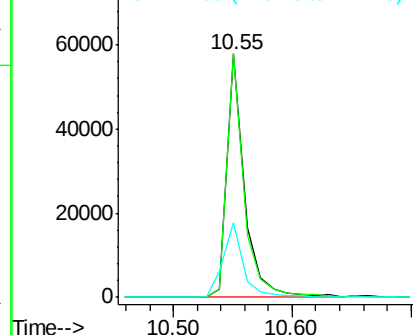
#41
 2,4,6-Tribromophenol
 Concen: 28.67 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF093592.D
 Acq: 12 Mar 2017 5:48

Instrument :
 BNA_F
 ClientSampleId :
 W-21RE

Tot Ion:330 Resp: 58762
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.4 116.2
 141 35.9 34.1 51.1

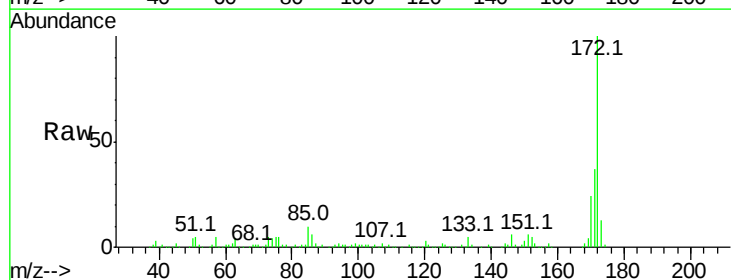


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

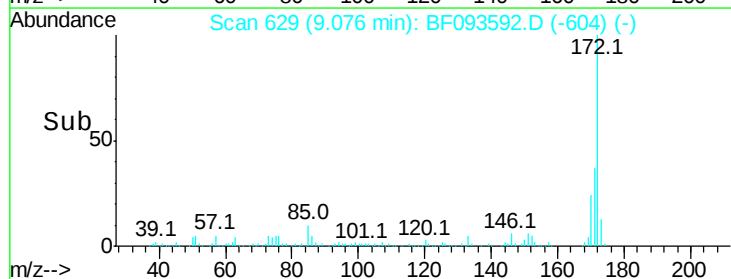
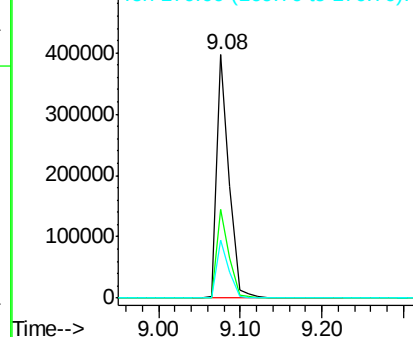


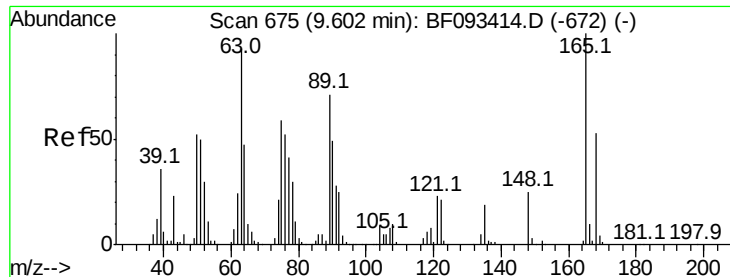
#44
 2-Fluorobiphenyl
 Concen: 24.75 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093592.D
 Acq: 12 Mar 2017 5:48

Tgt Ion:172 Resp: 418622
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 23.9 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

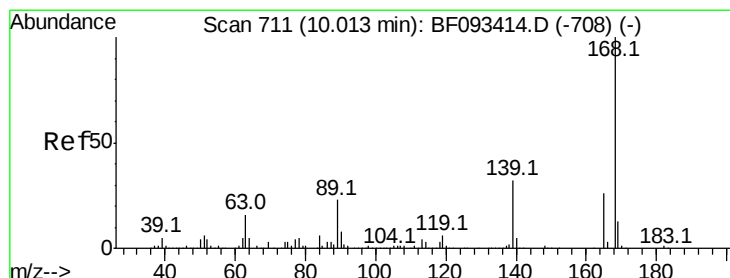
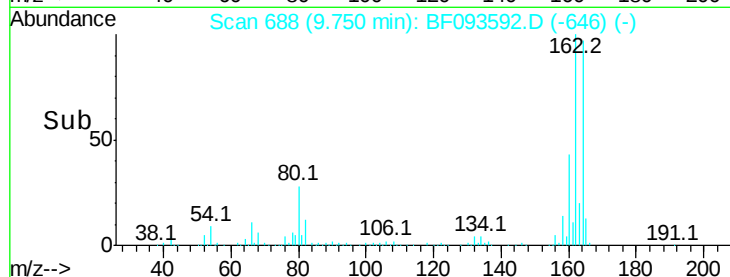
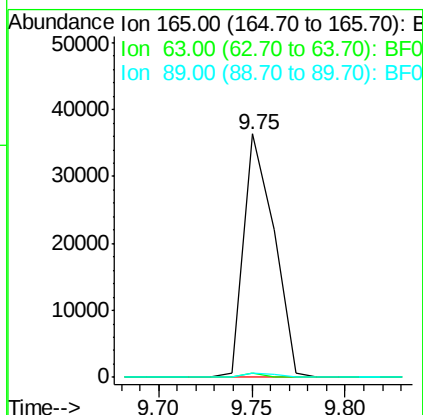
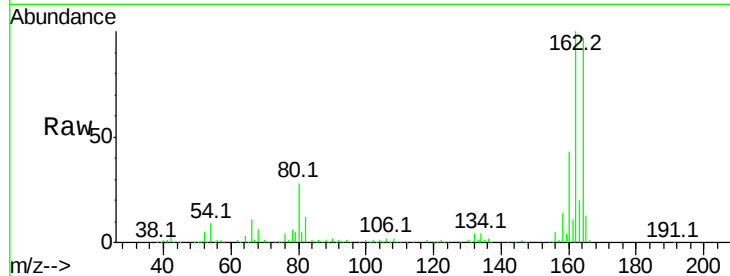




#50
2,6-Dinitrotoluene
Concen: 8.94 ng
RT: 9.75 min Scan# 688
Delta R.T. 0.18 min
Lab File: BF093592.D
Acq: 12 Mar 2017 5:48

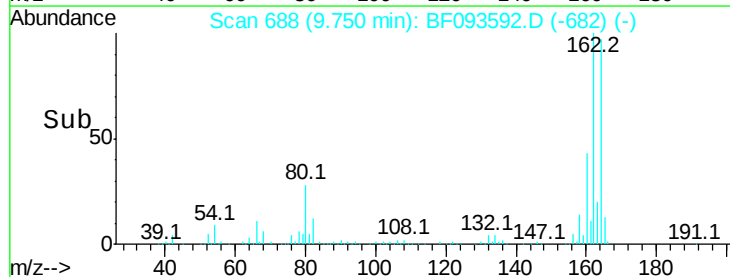
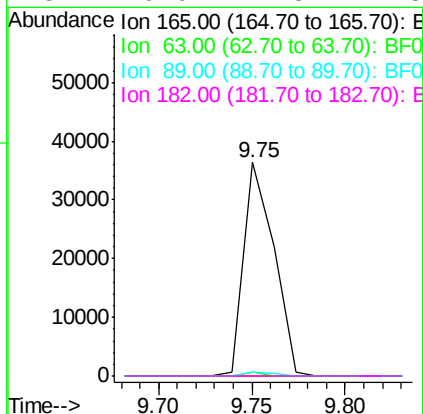
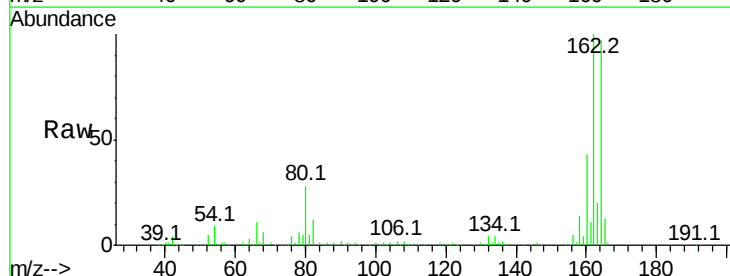
Instrument :
BNA_F
ClientSampleId :
W-21RE

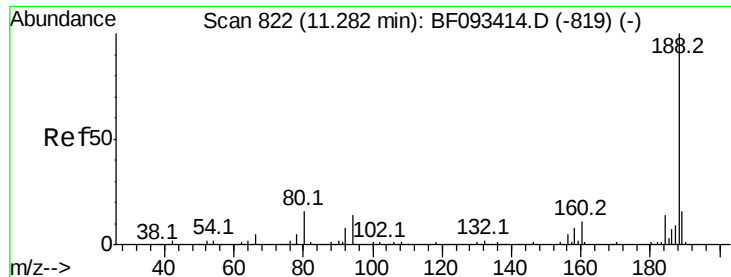
Tot Ion:165 Resp: 40923
Ion Ratio Lower Upper
165 100
63 1.6 36.2 54.4#
89 1.6 40.2 60.4#



#56
2,4-Dinitrotoluene
Concen: 7.28 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.23 min
Lab File: BF093592.D
Acq: 12 Mar 2017 5:48

Tgt Ion:165 Resp: 40923
Ion Ratio Lower Upper
165 100
63 1.6 40.2 60.4#
89 1.6 62.5 93.7#
182 0.0 1.8 2.8#

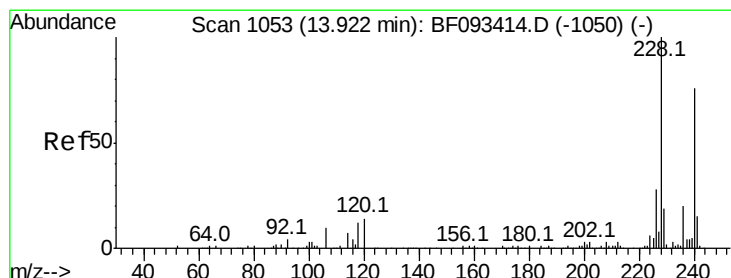
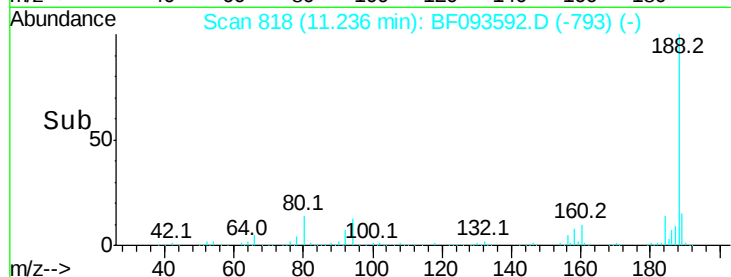
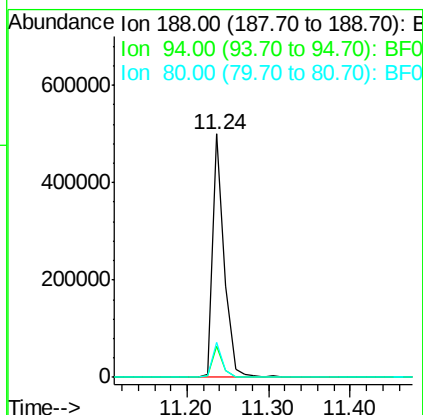
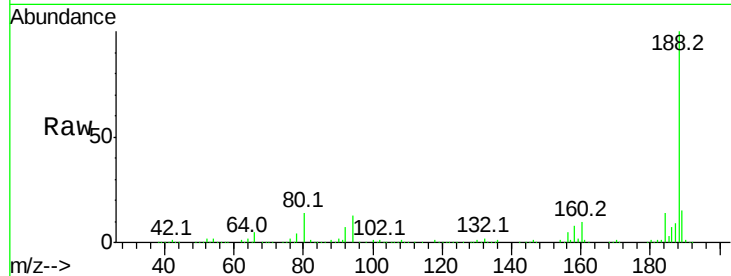




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF093592.D
Acq: 12 Mar 2017 5:48

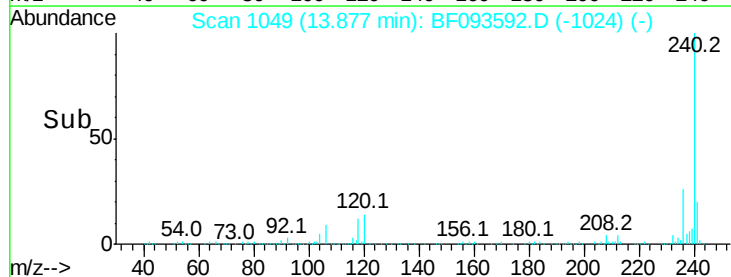
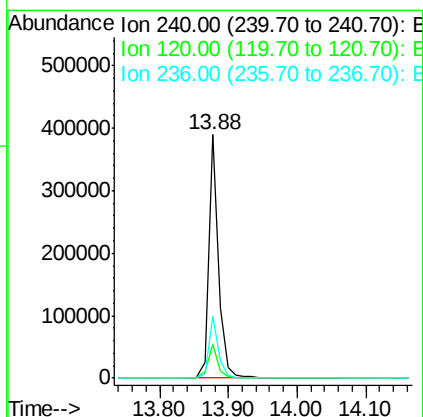
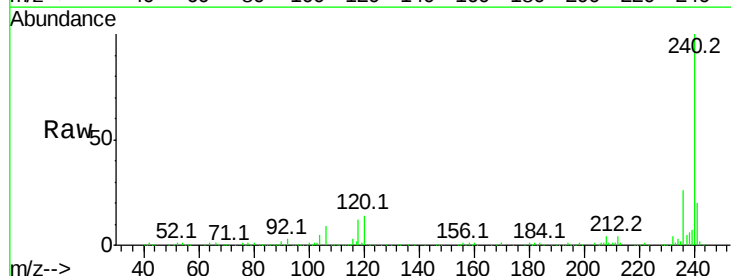
Instrument :
BNA_F
ClientSampleId :
W-21RE

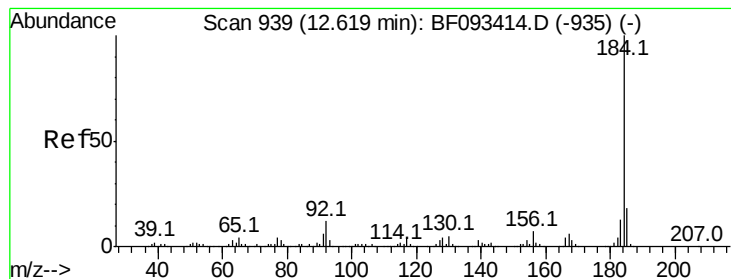
Tot Ion:188 Resp: 500943
Ion Ratio Lower Upper
188 100
94 13.0 10.0 15.0
80 14.4 11.2 16.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF093592.D
Acq: 12 Mar 2017 5:48

Tgt Ion:240 Resp: 381448
Ion Ratio Lower Upper
240 100
120 13.8 12.9 19.3
236 25.7 20.9 31.3





#76

Benzidine

Concen: 4.24 ng

RT: 12.59 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

Instrument :

BNA_F

ClientSampleId :

W-21RE

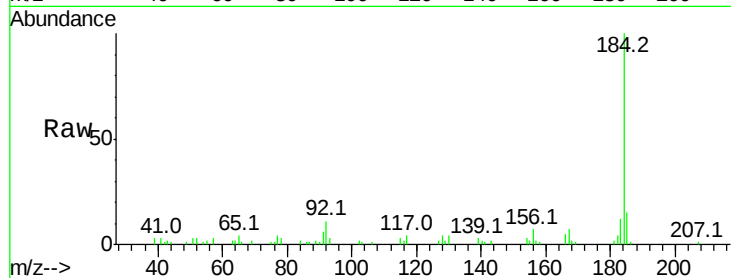
Tot Ion:184 Resp: 53168

Ion Ratio Lower Upper

184 100

185 15.5 13.4 20.0

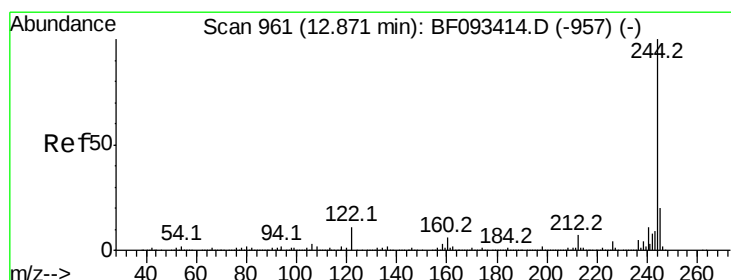
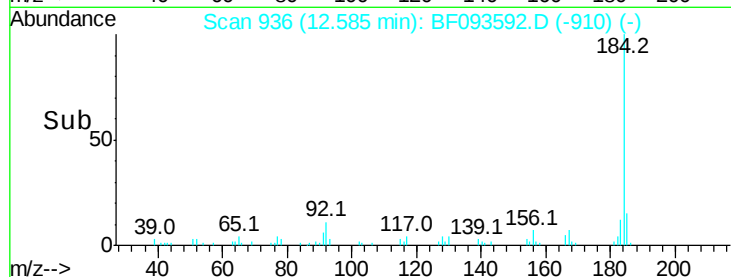
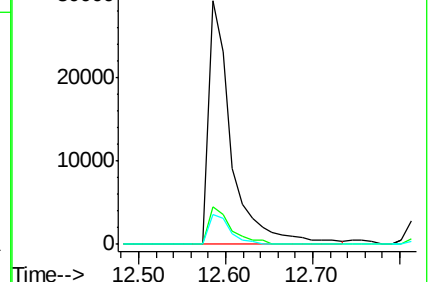
183 12.4 9.2 13.8



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: 13.49 ng

RT: 12.81 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF093592.D

Acq: 12 Mar 2017 5:48

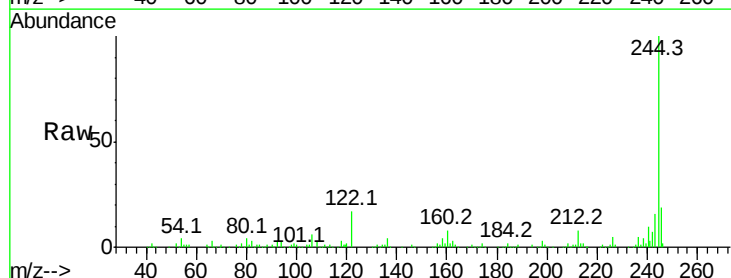
Tgt Ion:244 Resp: 197946

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

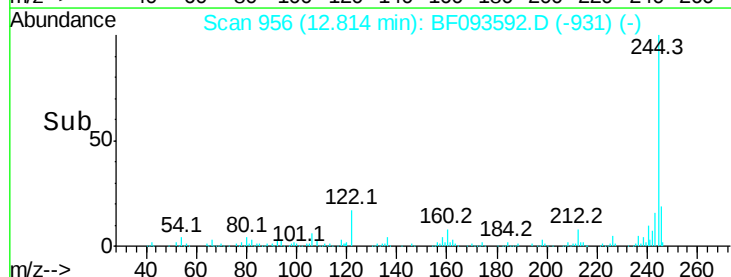
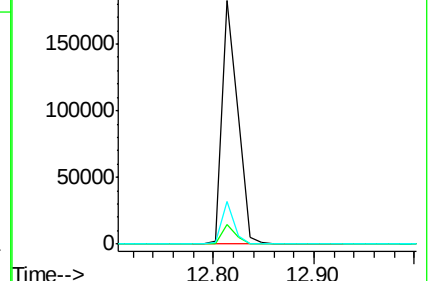
122 17.4 11.4 17.2#

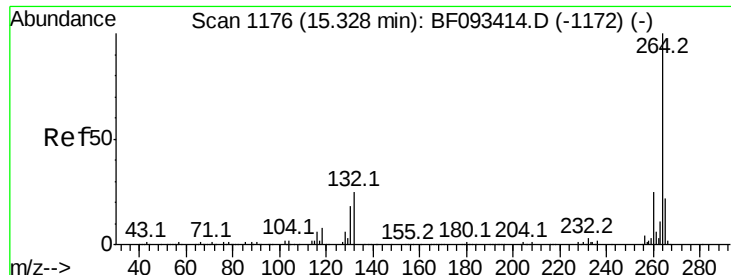


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



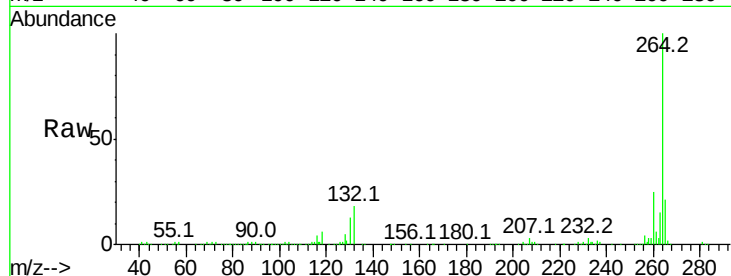


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF093592.D
Acq: 12 Mar 2017 5:48

Instrument :
BNA_F
ClientSampleId :
W-21RE

Tot Ion: 264 Resp: 332709

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	20.5	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

