

Data Path : Z:\HPCHEM1\BNA F\Data\BF033117\
 Data File : BF094088.D
 Acq On : 31 Mar 2017 11:20
 Operator : SJ/MA
 Sample : I2384-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Quant Time: Mar 31 14:40:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	168722	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	679868	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	314917	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	574344	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	472370	20.00	ng	-0.01
86) Perylene-d12	16.24	264	332102	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.45	112	1268012	126.94	ng	0.02
7) Phenol-d6	5.51	99	1549765	125.41	ng	0.00
23) Nitrobenzene-d5	6.55	82	1038661	87.19	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	385802	155.03	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1893359	91.70	ng	0.00
78) Terphenyl-d14	13.35	244	1731156	82.15	ng	0.00

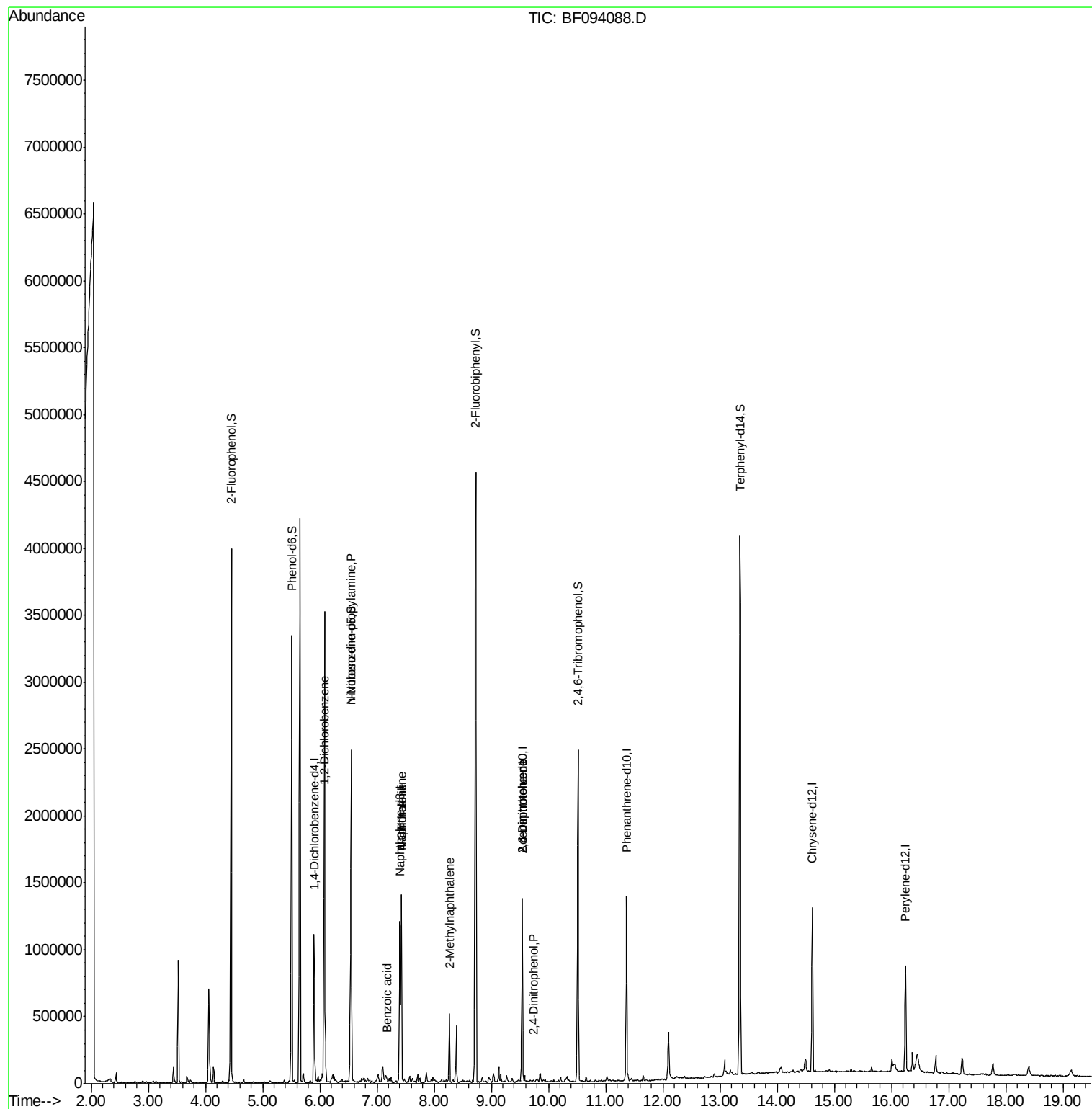
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) 1,2-Dichlorobenzene	6.09	146	76061	6.62	ng	97
19) n-Nitroso-di-n-propylamine	6.55	70	139302	17.54	ng	# 76
31) Naphthalene	7.43	128	700938	21.44	ng	100
32) Benzoic acid	7.17	122	13552	2.11	ng	# 13
33) 4-Chloroaniline	7.43	127	92983	7.02	ng	# 34
37) 2-Methylnaphthalene	8.27	142	156506	7.18	ng	97
50) 2,6-Dinitrotoluene	9.54	165	41616	8.11	ng	# 34
53) 2,4-Dinitrophenol	9.74	184	676	4.89	ng	# 42
56) 2,4-Dinitrotoluene	9.54	165	41617	6.46	ng	# 33

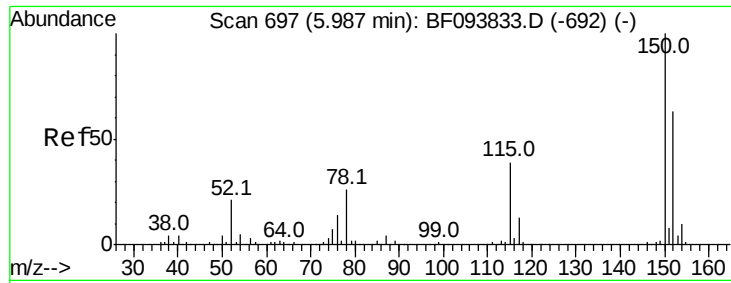
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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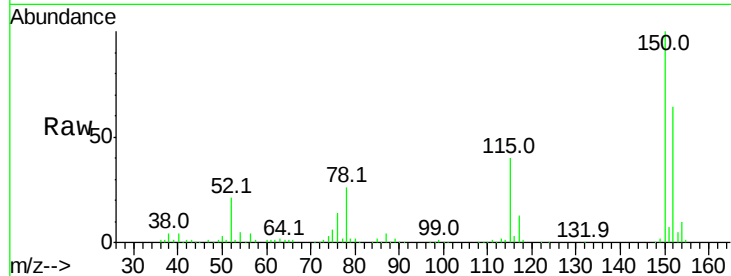


#1

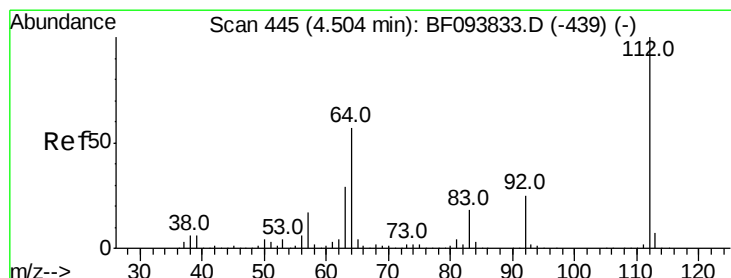
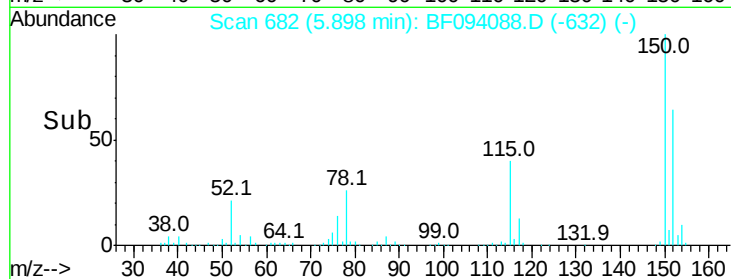
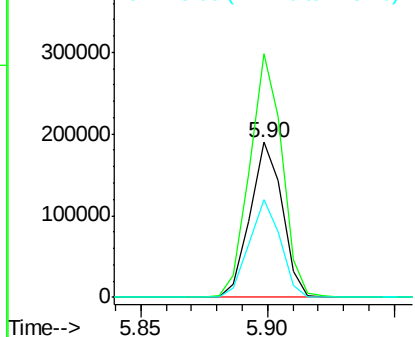
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.90 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Tot Ion:152 Resp: 168722
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.2 189.2
 115 63.1 52.2 78.2



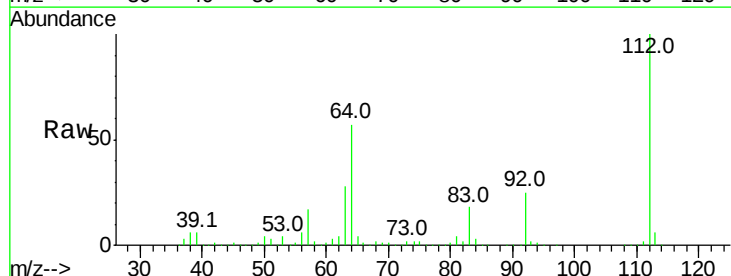
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



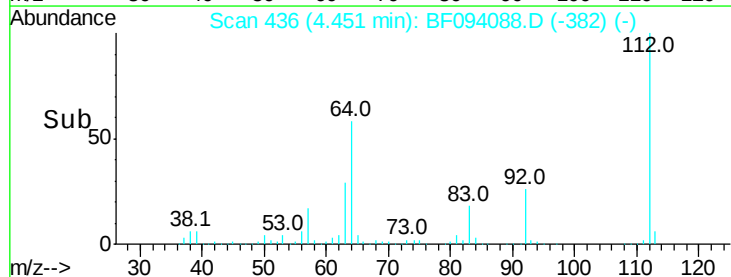
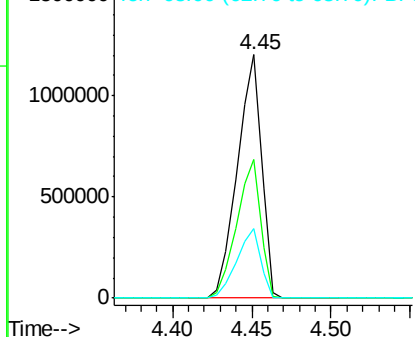
#5

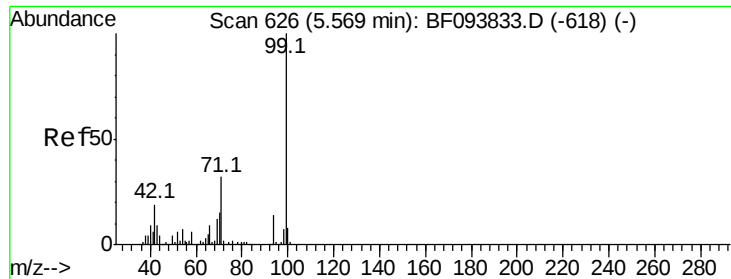
2-Fluorophenol
 Concen: 126.94 ng
 RT: 4.45 min Scan# 436
 Delta R.T. 0.02 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Tgt Ion:112 Resp: 1268012
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.0 69.0
 63 28.4 23.4 35.0



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: 125.41 ng

RT: 5.51 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

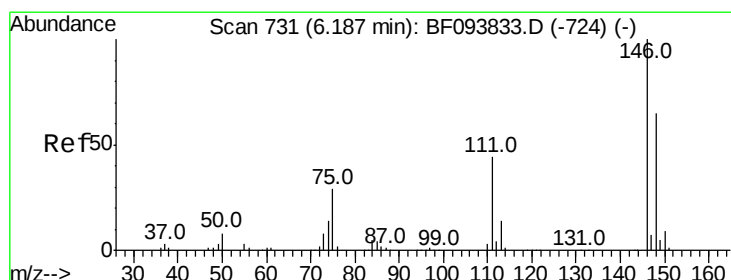
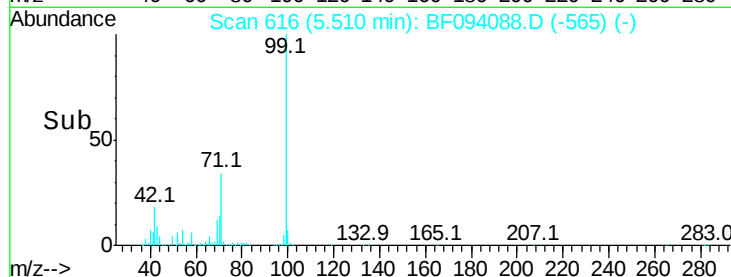
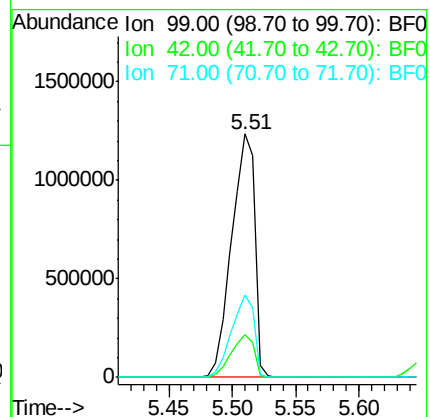
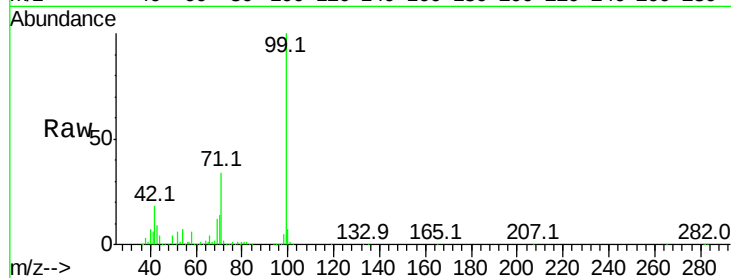
Tot Ion: 99 Resp: 1549765

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

71 33.7 24.5 36.7



#14

1,2-Dichlorobenzene

Concen: 6.62 ng

RT: 6.09 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

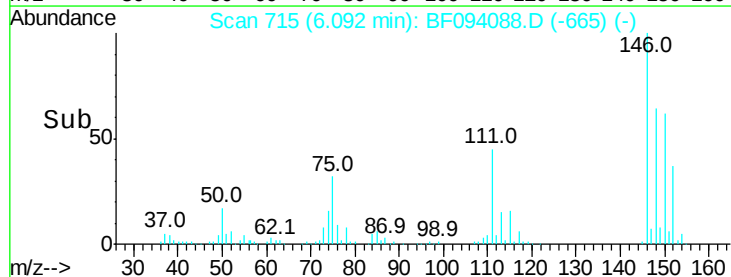
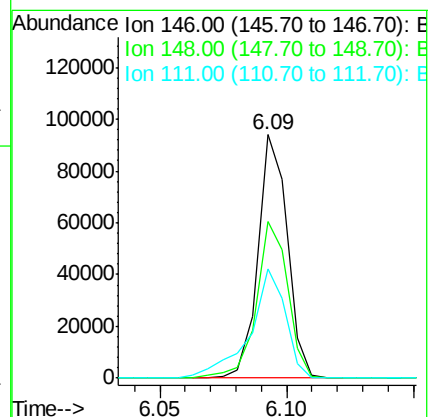
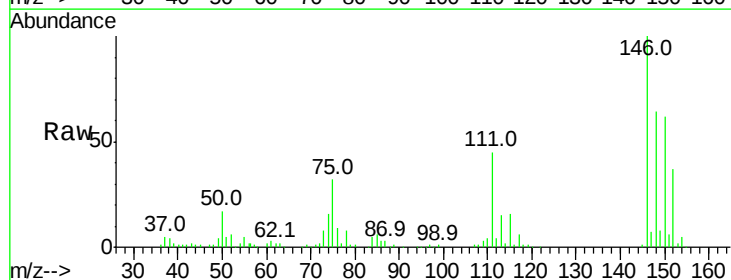
Tgt Ion: 146 Resp: 76061

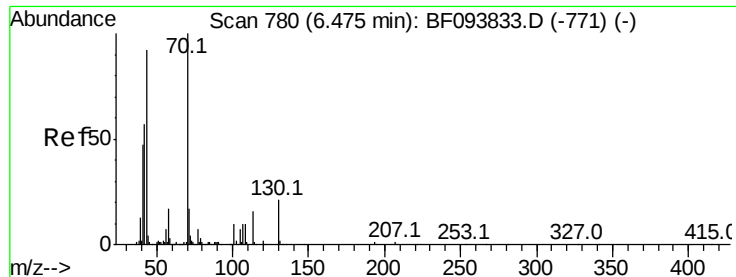
Ion Ratio Lower Upper

146 100

148 64.4 50.4 75.6

111 44.8 38.2 57.4





#19

n-Nitroso-di-n-propylamine

Concen: 17.54 ng

RT: 6.55 min Scan# 793

Delta R.T. 0.16 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

Tot Ion: 70 Resp: 139302

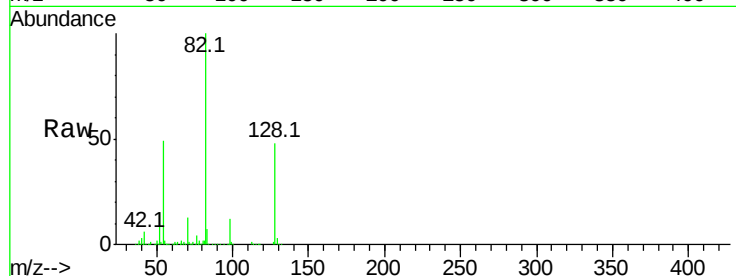
Ion Ratio Lower Upper

70 100

42 45.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



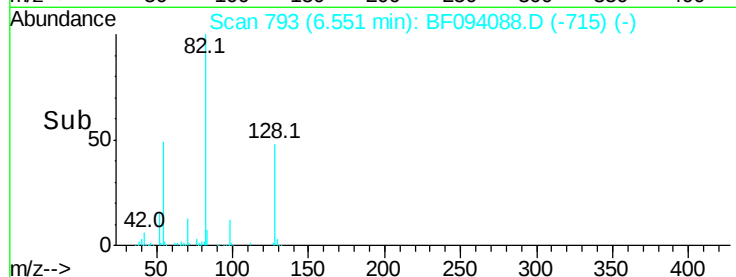
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

Time-->



Abundance

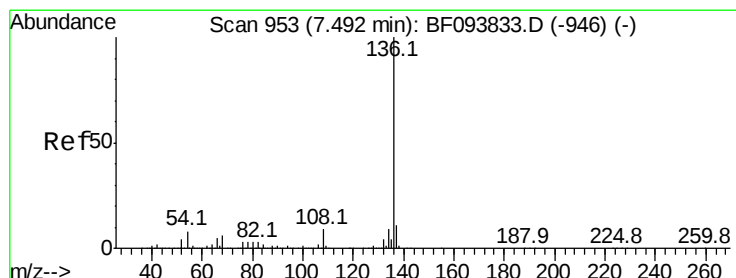
6.55

100000

50000

0

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

Tgt Ion: 136 Resp: 679868

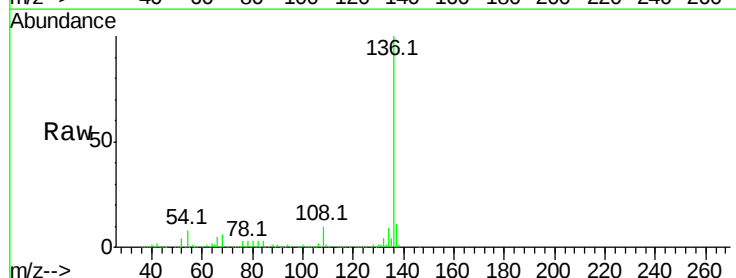
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.9 4.9 7.3#

68 6.3 4.1 6.1#



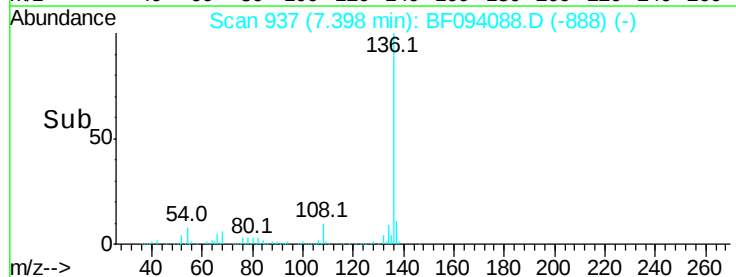
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Abundance

7.40

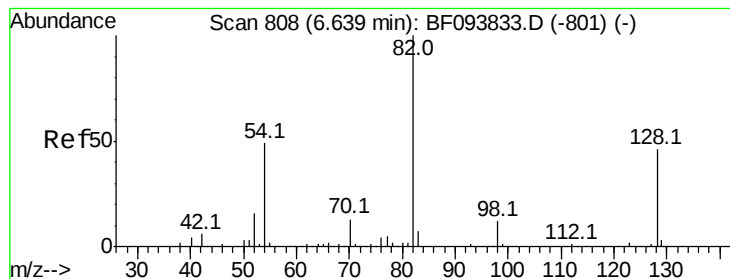
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 87.19 ng

RT: 6.55 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

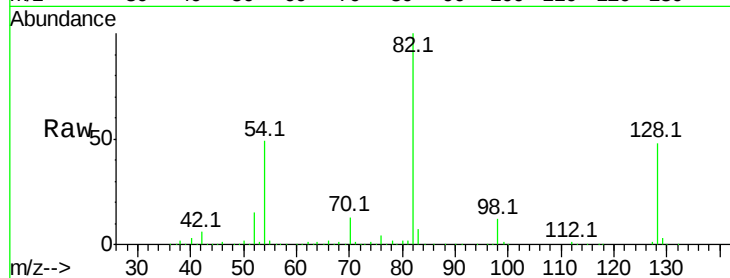
Tot Ion: 82 Resp: 1038661

Ion Ratio Lower Upper

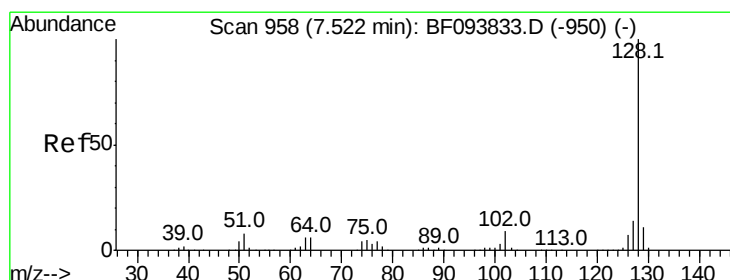
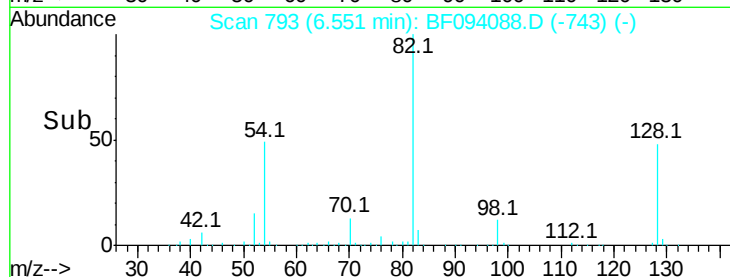
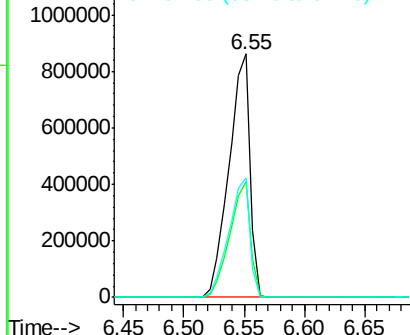
82 100

128 47.7 34.0 51.0

54 48.9 42.2 63.2



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



#31

Naphthalene

Concen: 21.44 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

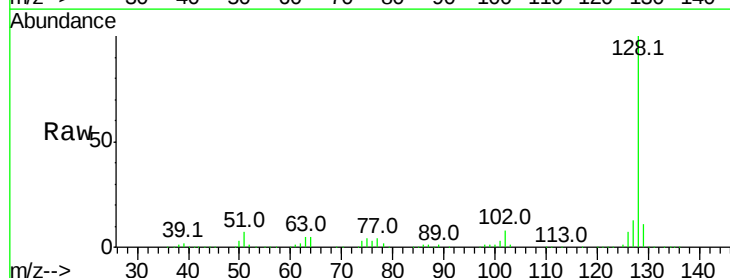
Tgt Ion:128 Resp: 700938

Ion Ratio Lower Upper

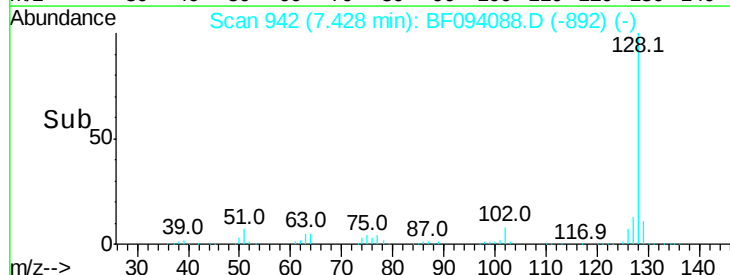
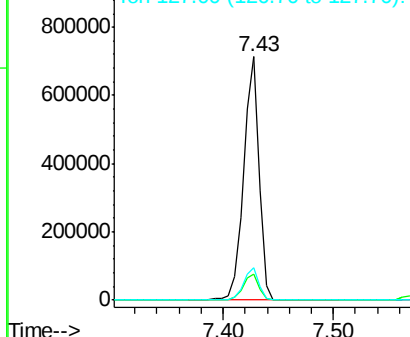
128 100

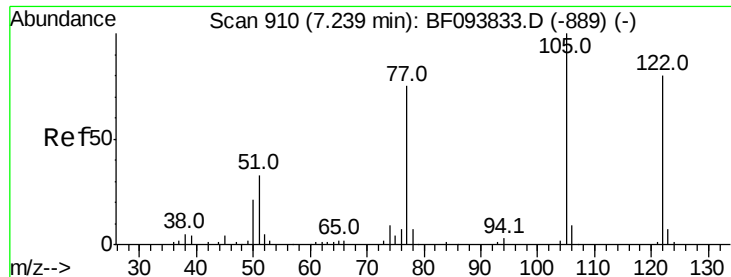
129 10.9 9.0 13.6

127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

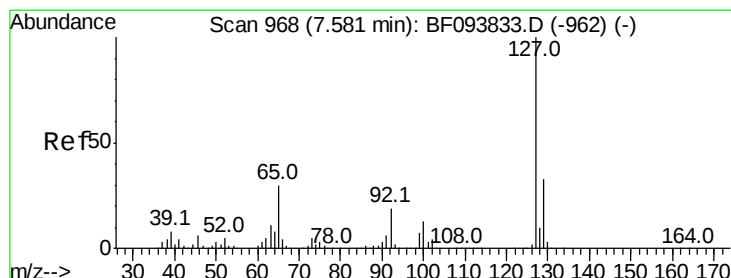
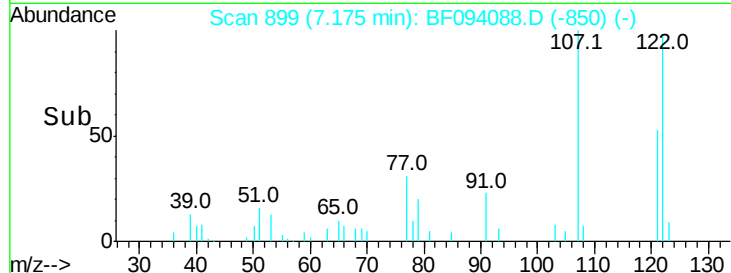
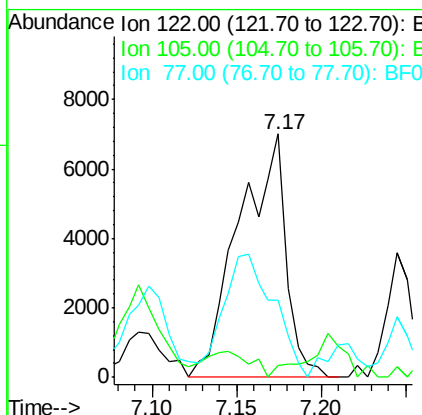
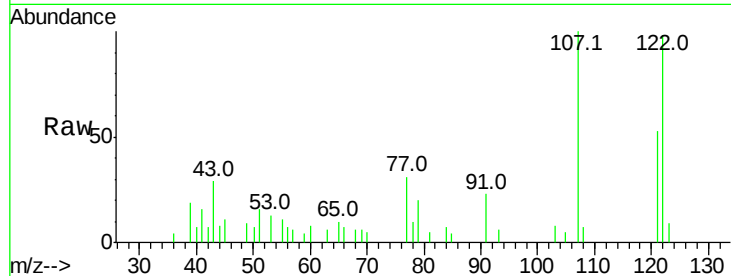




#32
Benzoic acid
Concen: 2.11 ng
RT: 7.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF094088.D
Acq: 31 Mar 2017 11:20

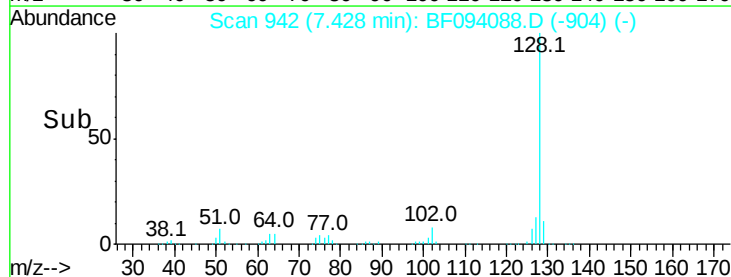
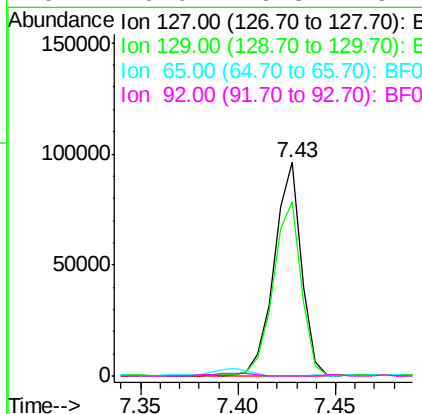
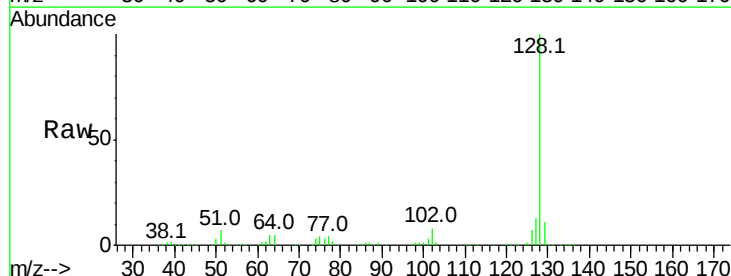
Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001

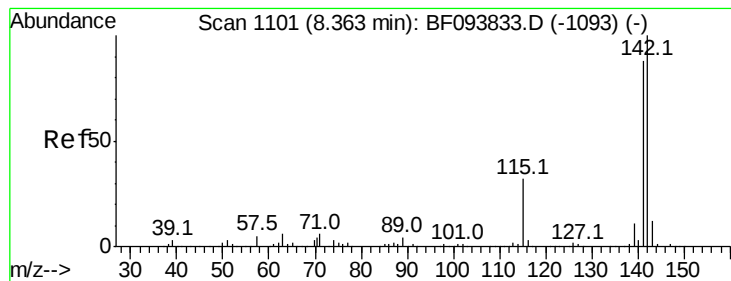
Tot Ion:122 Resp: 13552
Ion Ratio Lower Upper
122 100
105 4.9 103.3 143.3#
77 31.6 73.7 113.7#



#33
4-Chloroaniline
Concen: 7.02 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.08 min
Lab File: BF094088.D
Acq: 31 Mar 2017 11:20

Tgt Ion:127 Resp: 92983
Ion Ratio Lower Upper
127 100
129 81.3 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#





#37

2-Methylnaphthalene

Concen: 7.18 ng

RT: 8.27 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

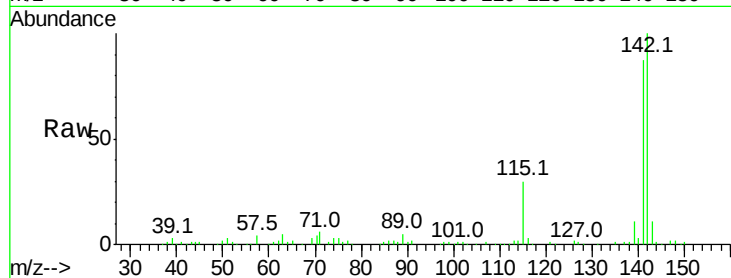
Tot Ion:142 Resp: 156506

Ion Ratio Lower Upper

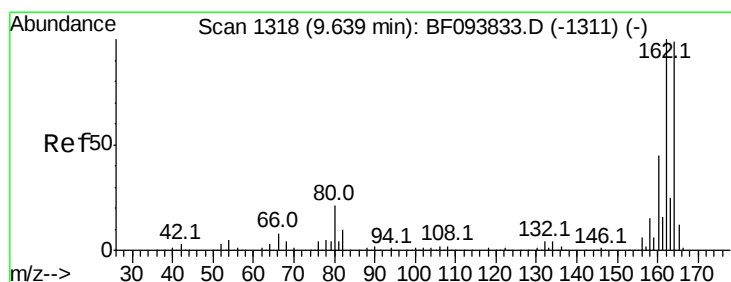
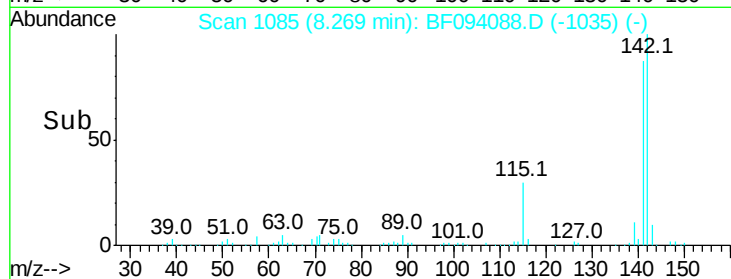
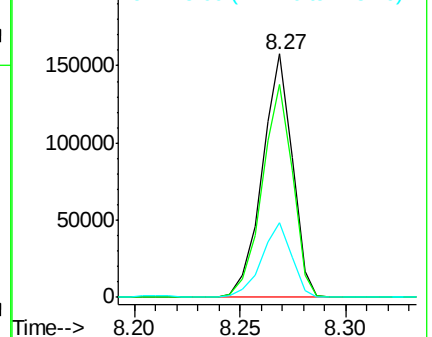
142 100

141 87.2 71.3 106.9

115 30.4 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

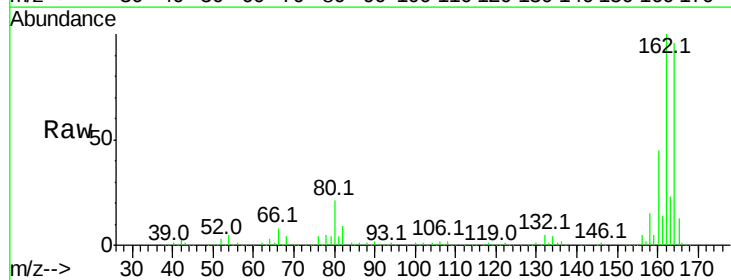
Tgt Ion:164 Resp: 314917

Ion Ratio Lower Upper

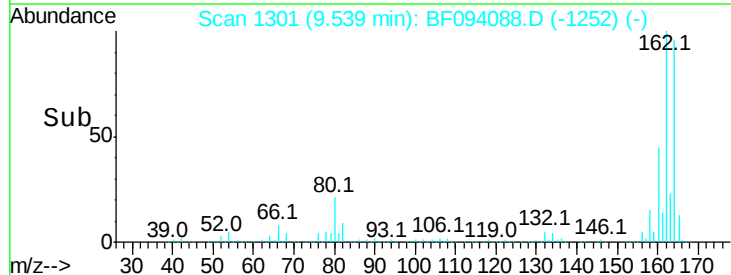
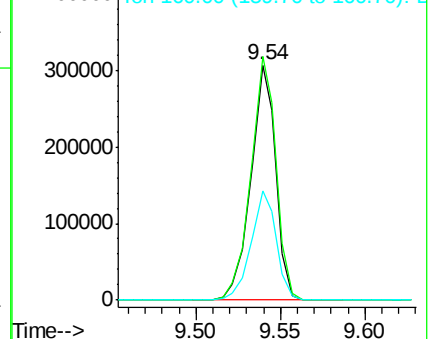
164 100

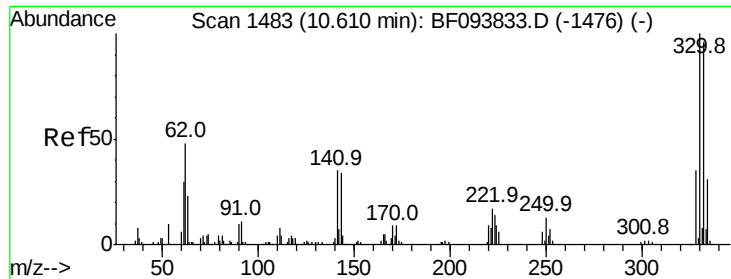
162 103.7 82.6 123.8

160 46.3 36.2 54.2



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

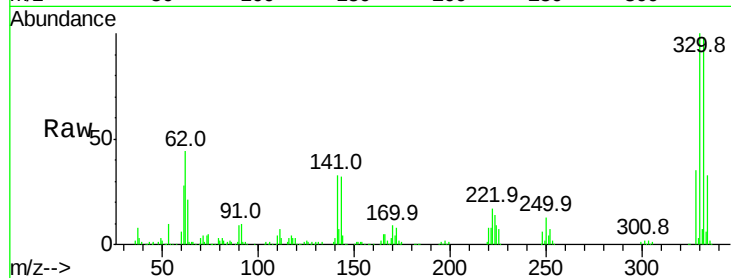




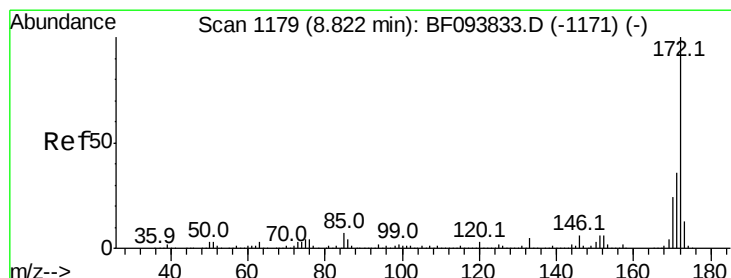
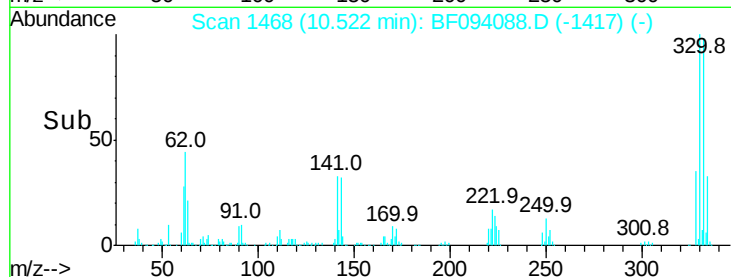
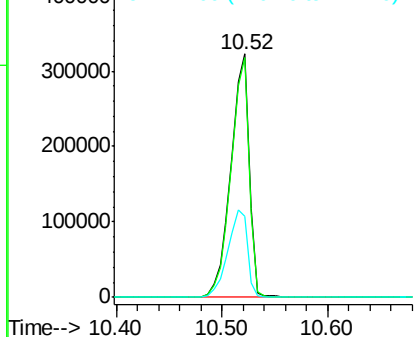
#41
 2,4,6-Tribromophenol
 Concen: 155.03 ng
 RT: 10.52 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Tot Ion:330 Resp: 385802
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 38.5 31.4 47.2

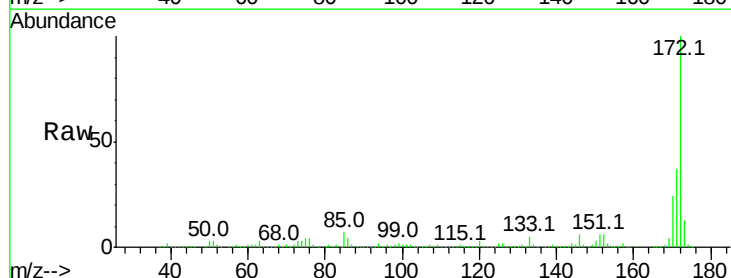


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

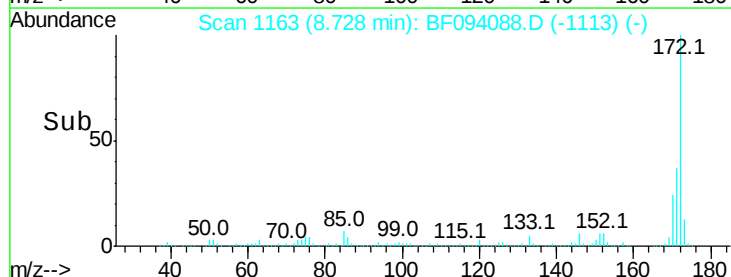
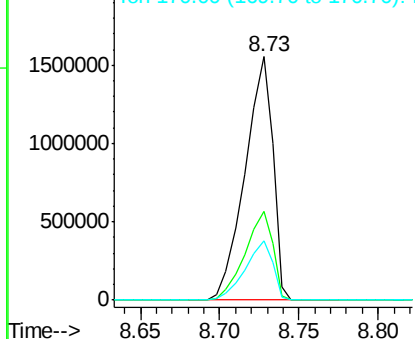


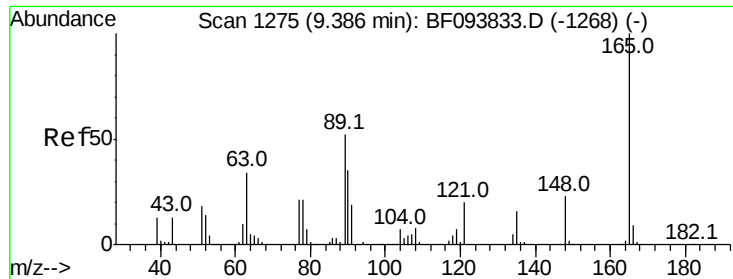
#44
 2-Fluorobiphenyl
 Concen: 91.70 ng
 RT: 8.73 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Tgt Ion:172 Resp: 1893359
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.3 19.8 29.8



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

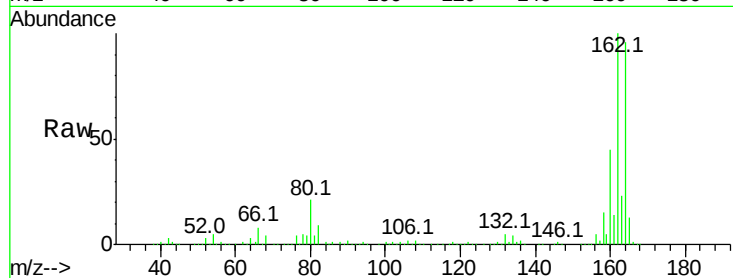




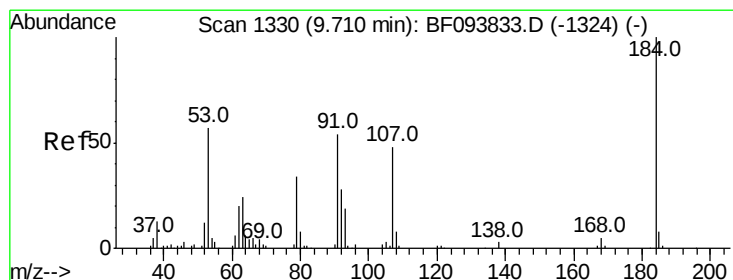
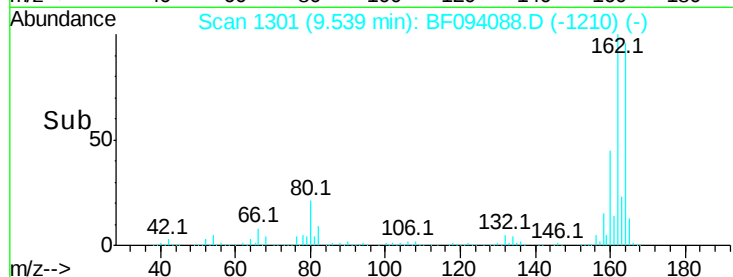
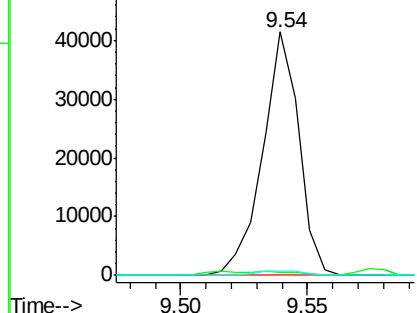
#50
 2,6-Dinitrotoluene
 Concen: 8.11 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. 0.24 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

Tot Ion:165 Resp: 41616
 Ion Ratio Lower Upper
 165 100
 63 1.4 34.3 51.5#
 89 1.8 37.1 55.7#

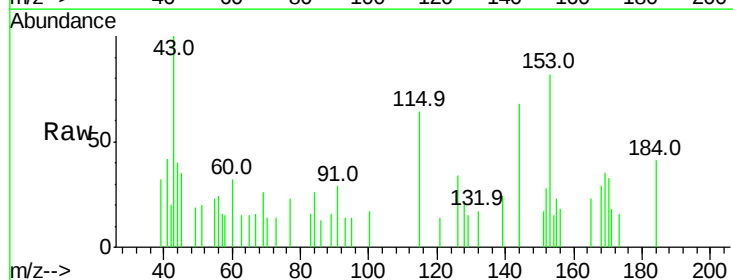


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

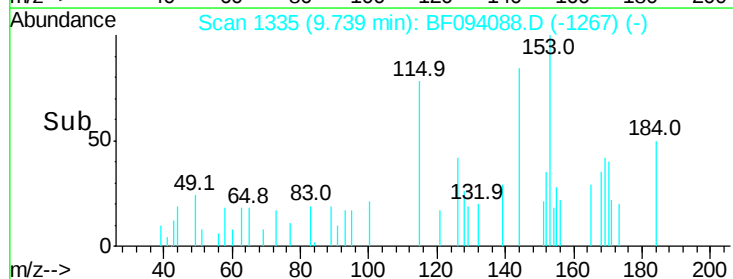
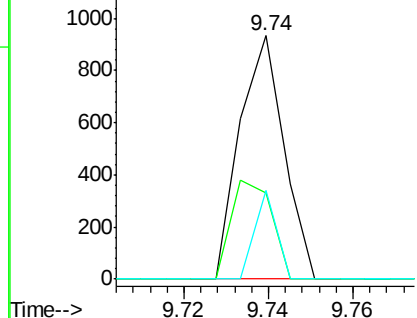


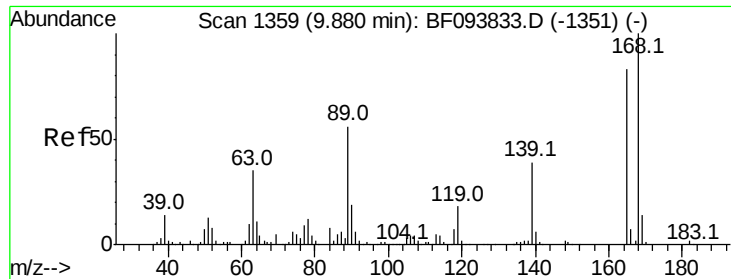
#53
 2,4-Dinitrophenol
 Concen: 4.89 ng
 RT: 9.74 min Scan# 1335
 Delta R.T. 0.10 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Tgt Ion:184 Resp: 676
 Ion Ratio Lower Upper
 184 100
 63 35.7 62.7 94.1#
 154 36.6 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

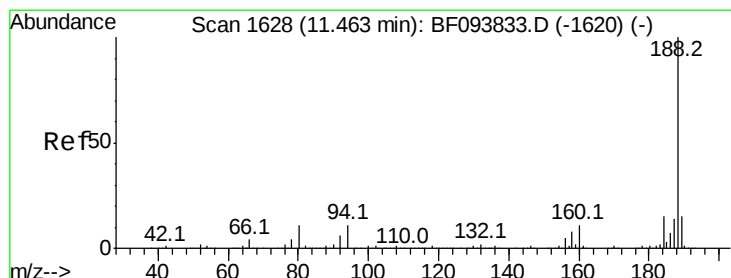
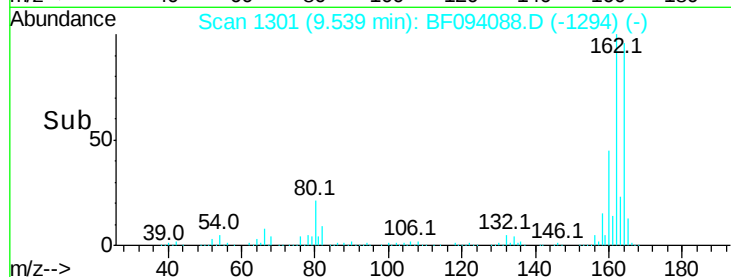
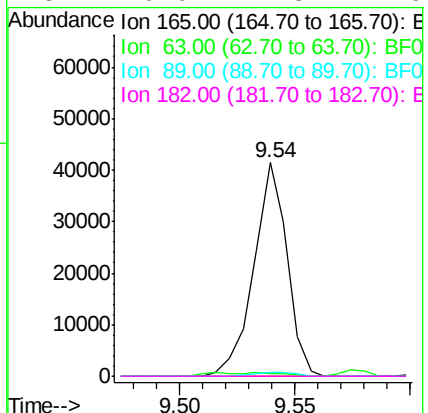
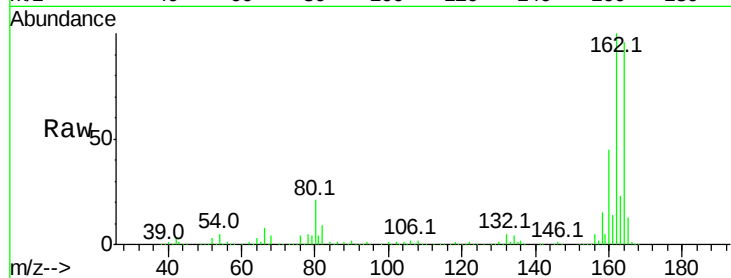




#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.26 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

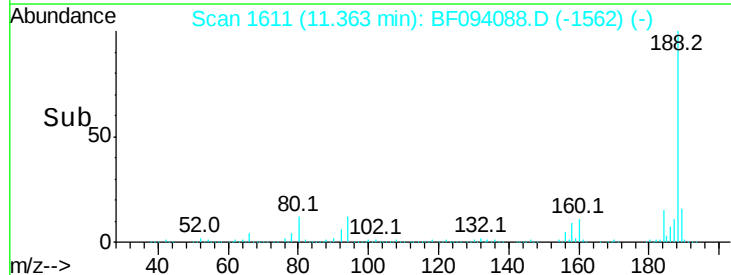
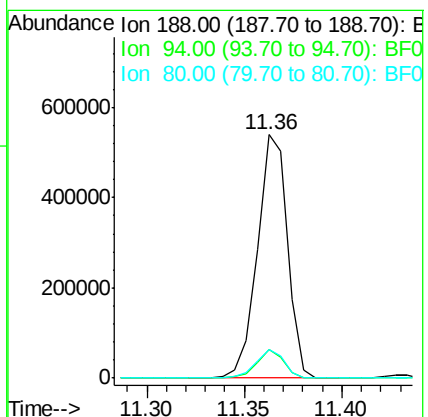
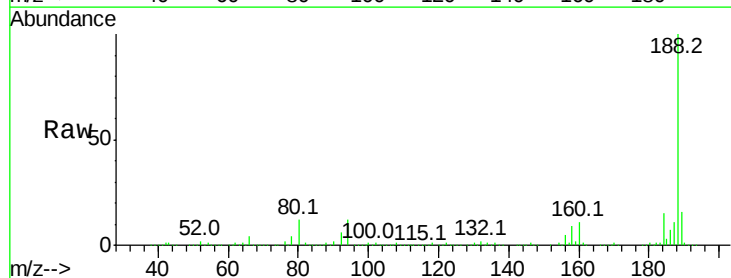
Instrument :
 BNA_F
 ClientSampleId :
 WC-B42-B51-001

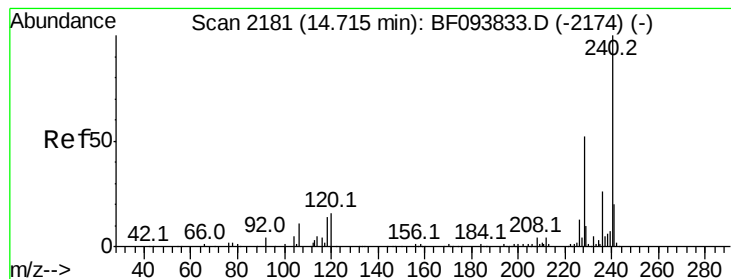
Tot Ion:165 Resp: 41617
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.8 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF094088.D
 Acq: 31 Mar 2017 11:20

Tgt Ion:188 Resp: 574344
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 11.8 10.2 15.2





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

Instrument :

BNA_F

ClientSampleId :

WC-B42-B51-001

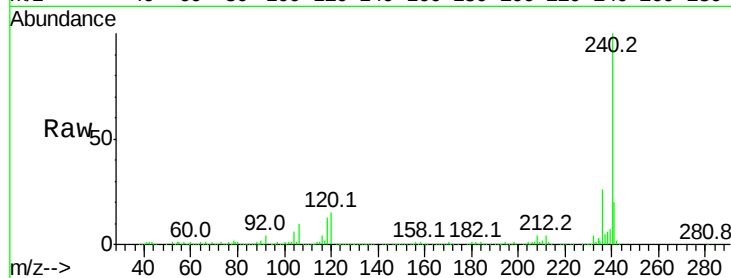
Tot Ion:240 Resp: 472370

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

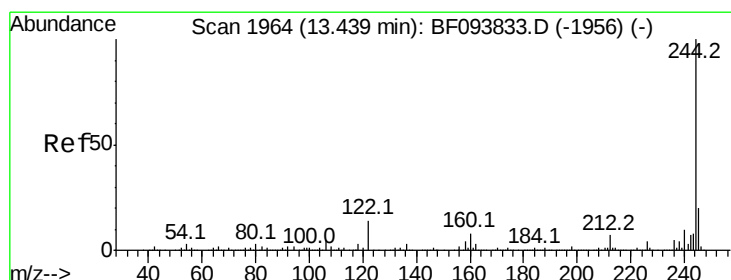
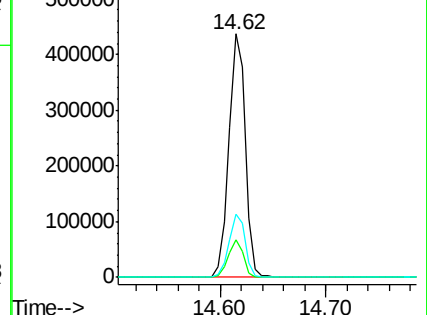
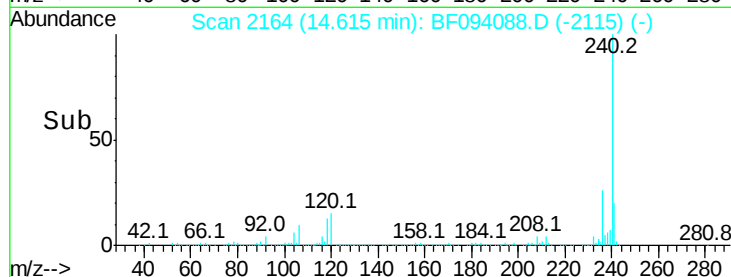
236 26.0 20.5 30.7



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: 82.15 ng

RT: 13.35 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BF094088.D

Acq: 31 Mar 2017 11:20

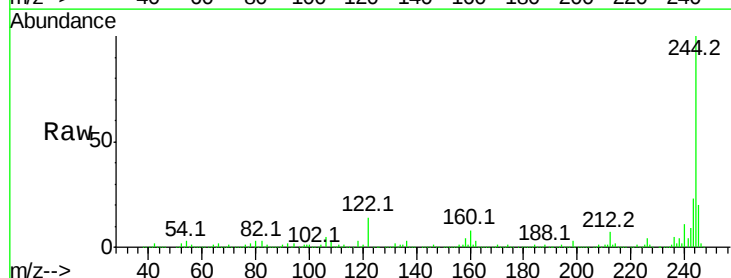
Tgt Ion:244 Resp: 1731156

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

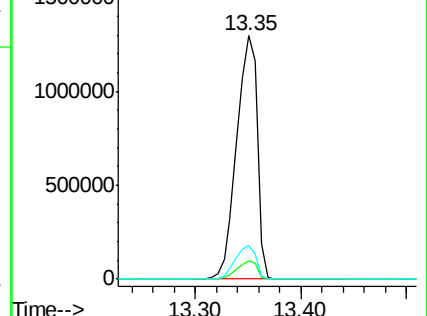
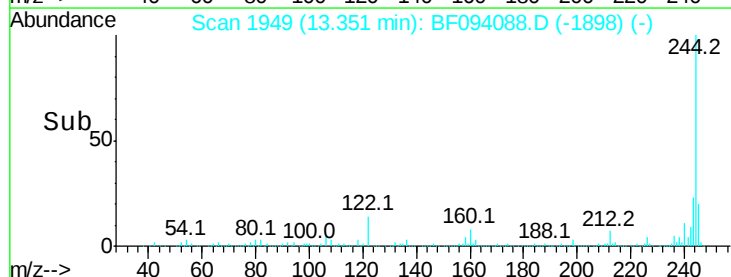
122 13.8 10.3 15.5

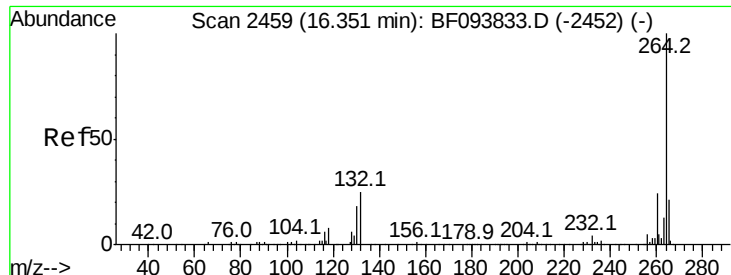


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

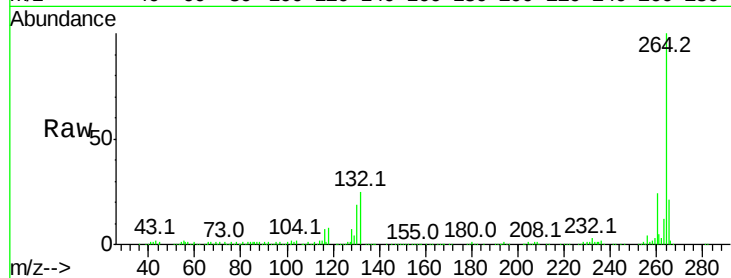




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BF094088.D
Acq: 31 Mar 2017 11:20

Instrument :
BNA_F
ClientSampleId :
WC-B42-B51-001

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.0	17.2	25.8



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

