

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098964.D
 Acq On : 30 Sep 2017 15:55
 Operator : SJ/JU
 Sample : I5487-10 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 30 23:25:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

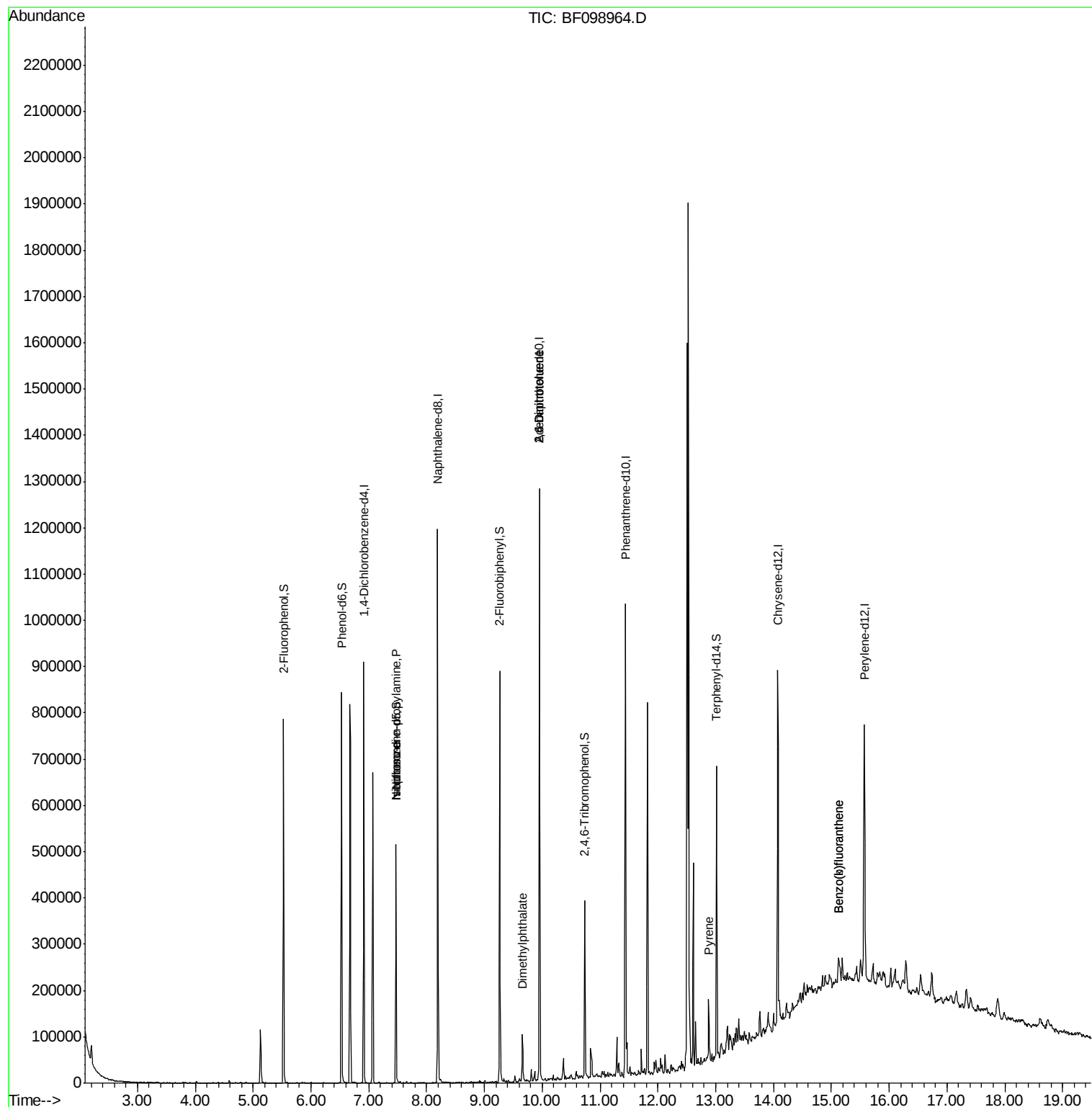
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	138051	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	569057	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	237848	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	346017	20.00	ng	0.00
75) Chrysene-d12	14.07	240	229935	20.00	ng	-0.01
86) Perylene-d12	15.57	264	245940	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	205583	23.71	ng	-0.02
7) Phenol-d6	6.53	99	245691	22.97	ng	-0.02
23) Nitrobenzene-d5	7.47	82	146615	16.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	36680	18.85	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	287009	20.14	ng	-0.01
78) Terphenyl-d14	13.02	244	164145	16.23	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	18369	2.689	ng	# 82
25) Isophorone	7.47	82	146613	7.992	ng	# 64
49) Dimethylphthalate	9.66	163	37498	2.089	ng	# 98
50) 2,6-Dinitrotoluene	9.95	165	30086	7.698	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	30086	5.932	ng	# 24
77) Pyrene	12.88	202	39808	2.270	ng	# 99
87) Benzo(b)fluoranthene	15.13	252	30695	2.030	ng	# 75
88) Benzo(k)fluoranthene	15.13	252	30695	2.055	ng	# 78

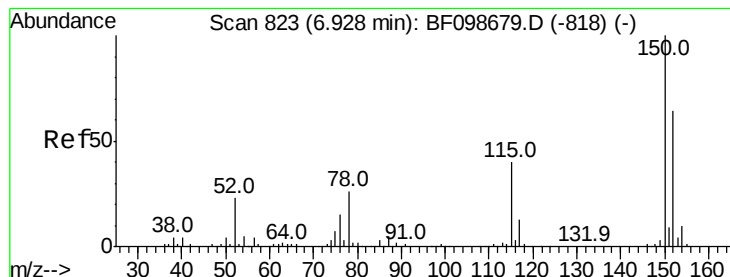
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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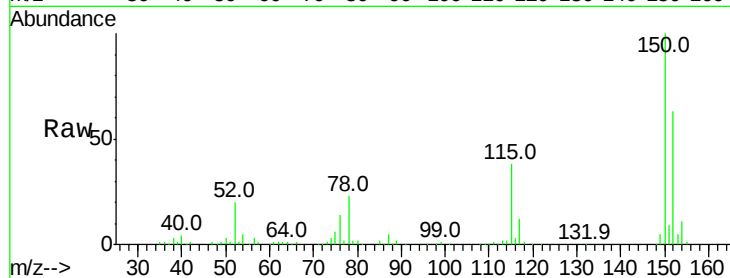


#1

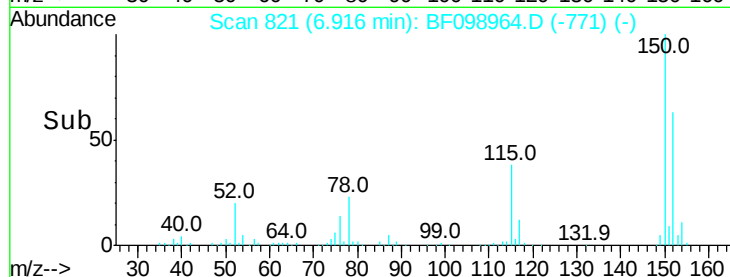
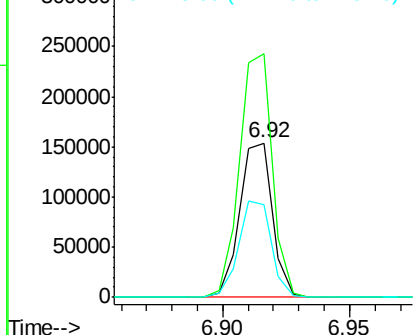
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098964.D
Acq: 30 Sep 2017 15:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138051
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 60.0 50.1 75.1



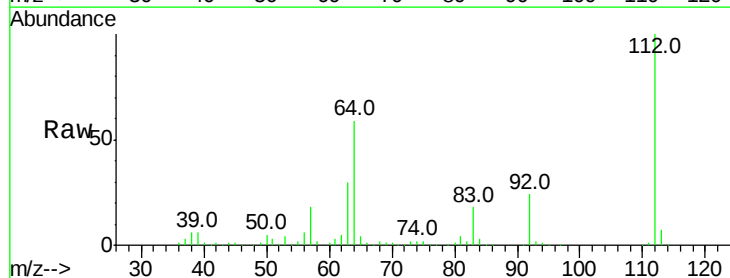
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



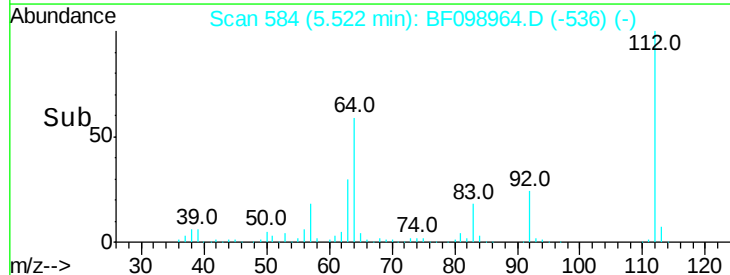
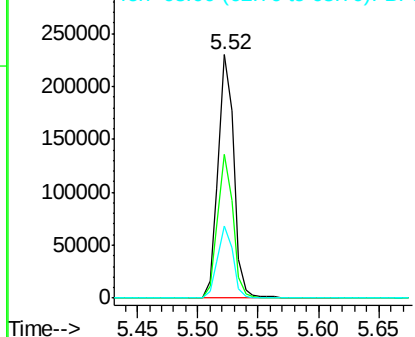
#5

2-Fluorophenol
Concen: 23.706 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098964.D
Acq: 30 Sep 2017 15:55

Tgt Ion:112 Resp: 205583
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 29.6 23.7 35.5



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: 22.966 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampleId :

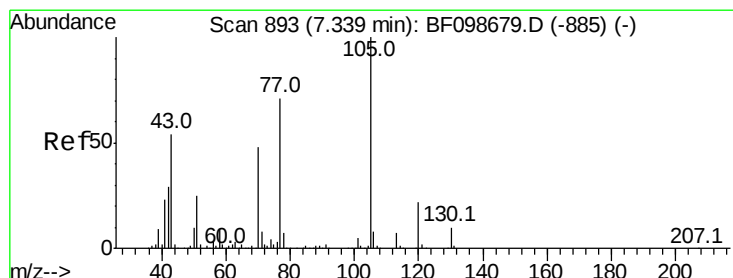
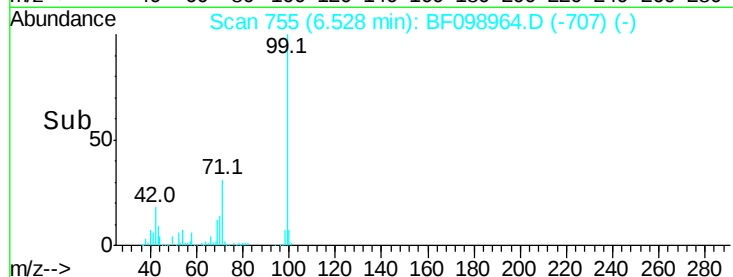
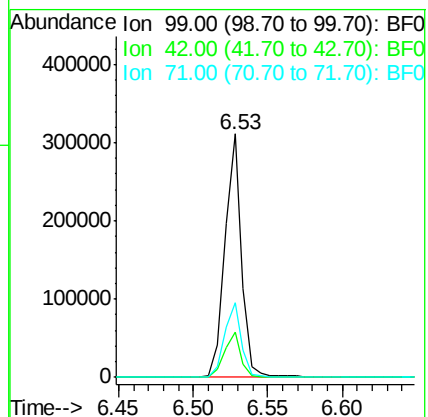
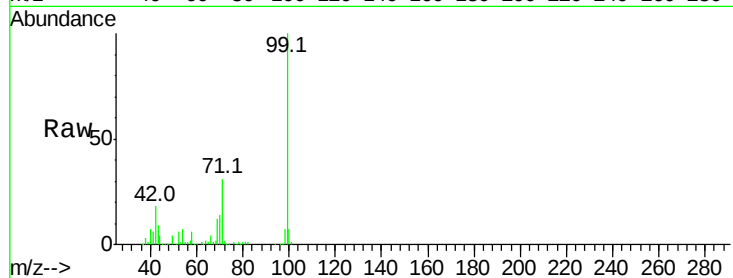
Tot Ion: 99 Resp: 245691

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 30.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.689 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Tgt Ion: 70 Resp: 18369

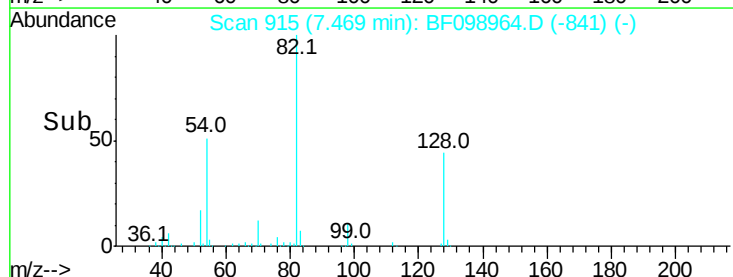
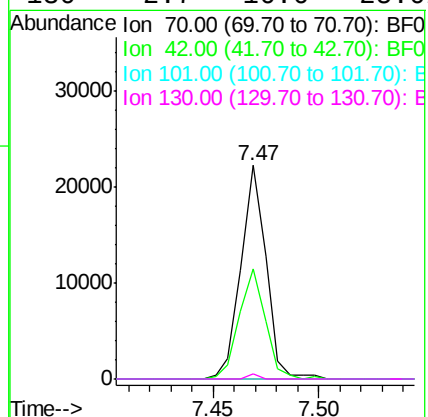
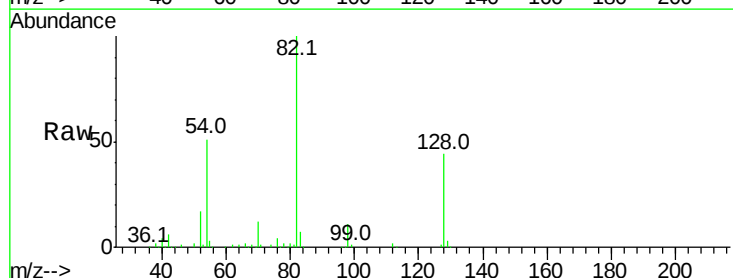
Ion Ratio Lower Upper

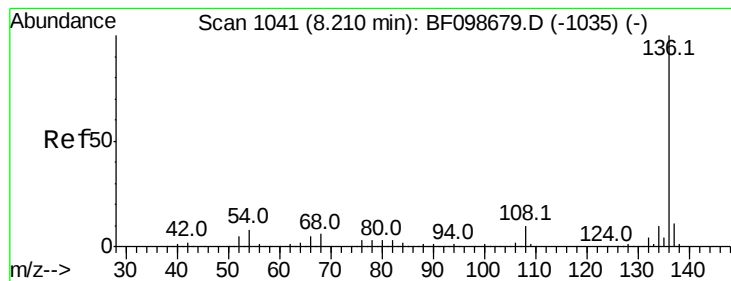
70 100

42 51.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 569057

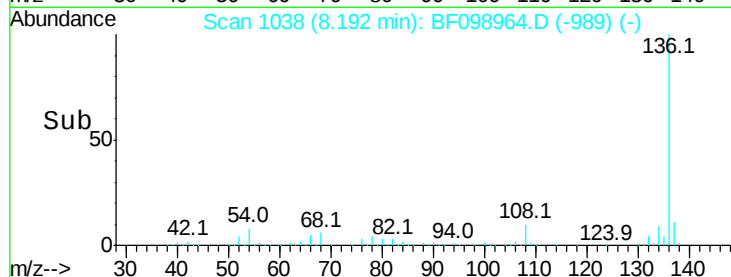
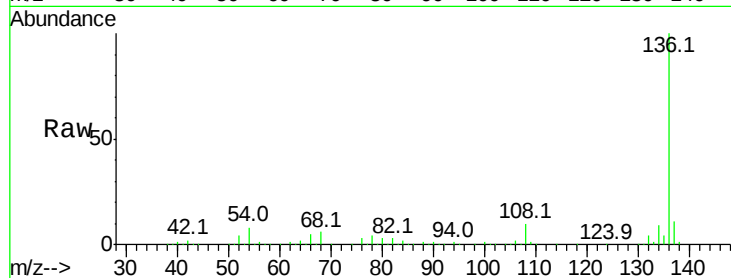
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.4 6.6 9.8

68 6.3 5.0 7.4

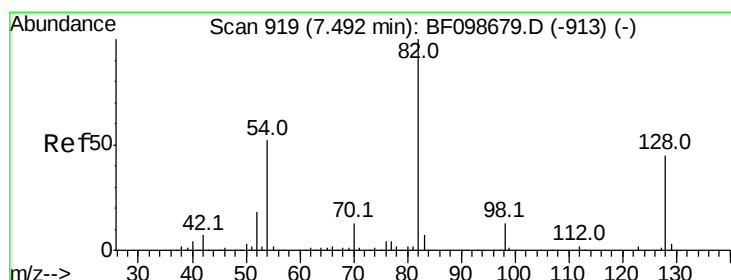
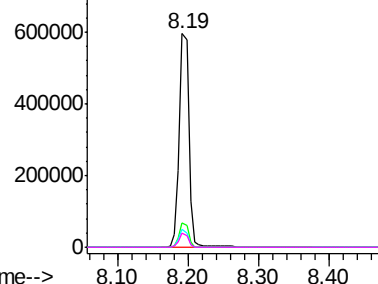


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.523 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

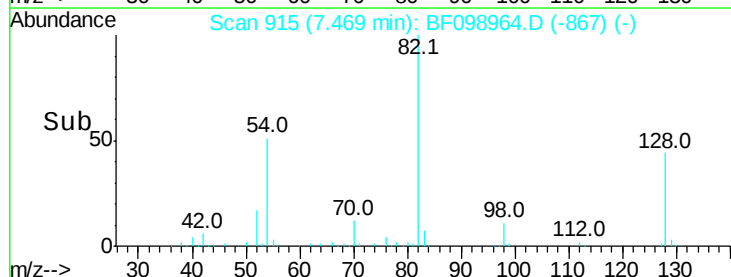
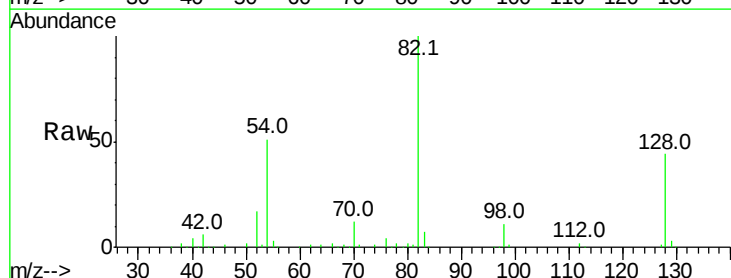
Tgt Ion: 82 Resp: 146615

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

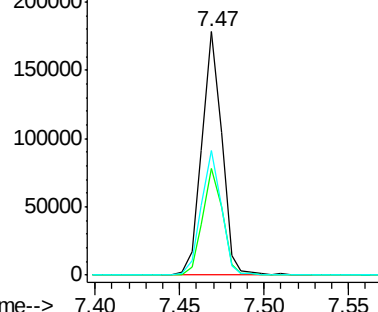
54 50.9 41.4 62.2

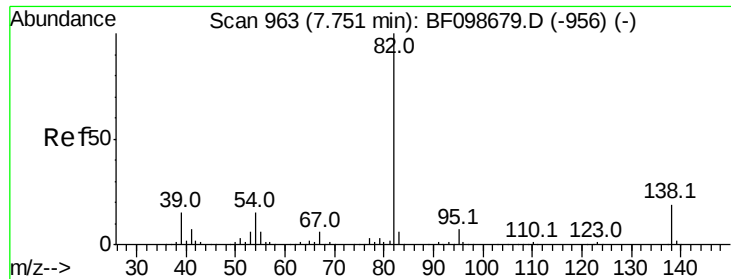


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.992 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampled :

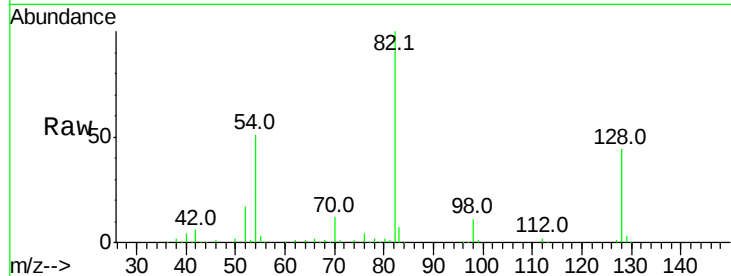
Tot Ion: 82 Resp: 146613

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

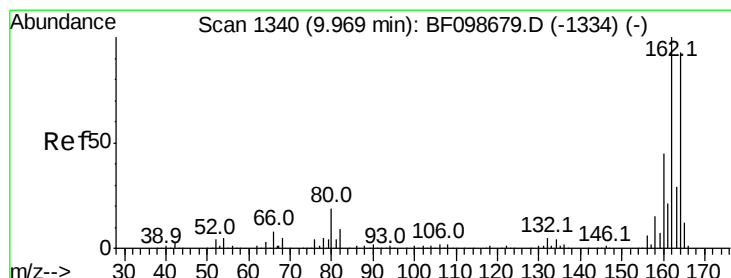
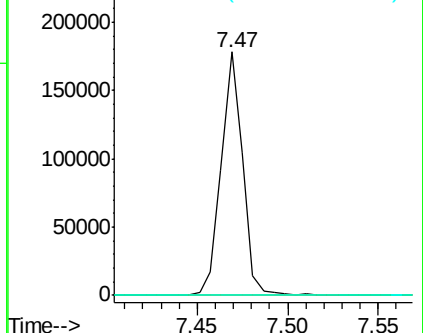
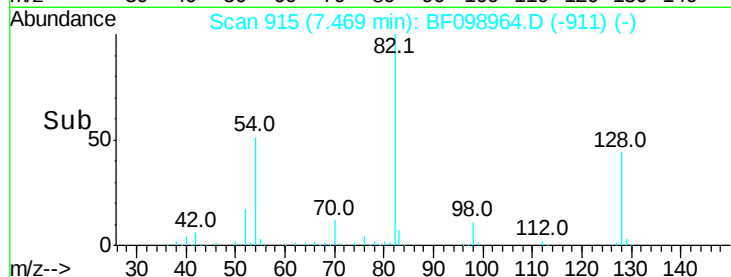
138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

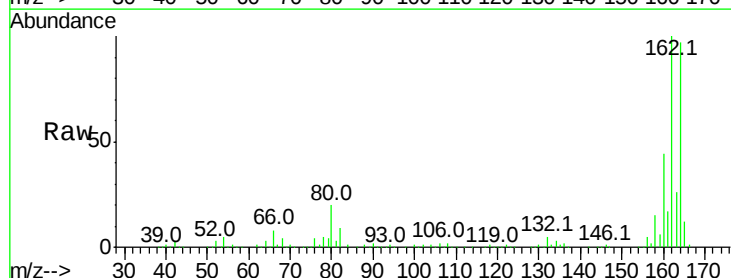
Tgt Ion: 164 Resp: 237848

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

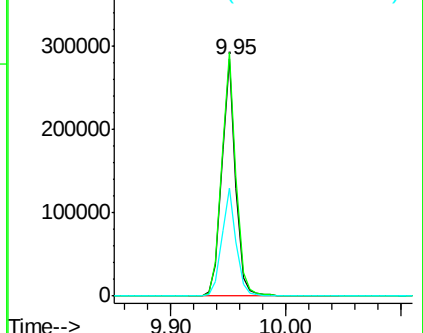
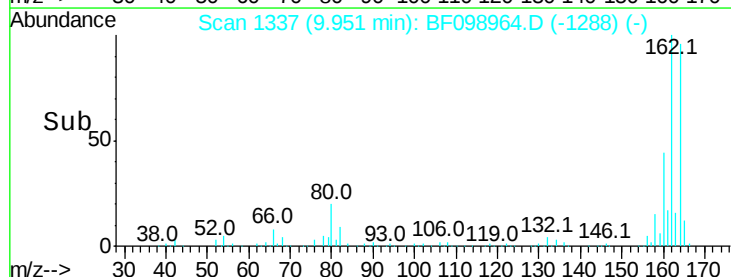
160 45.7 38.3 57.5

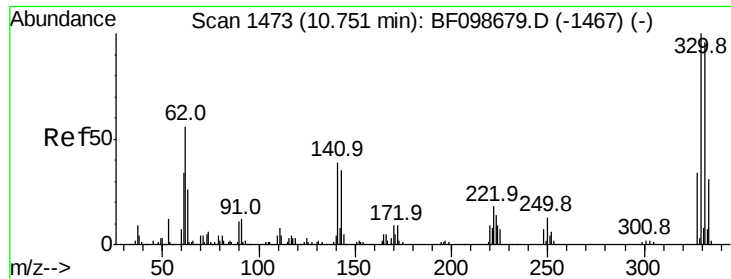


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

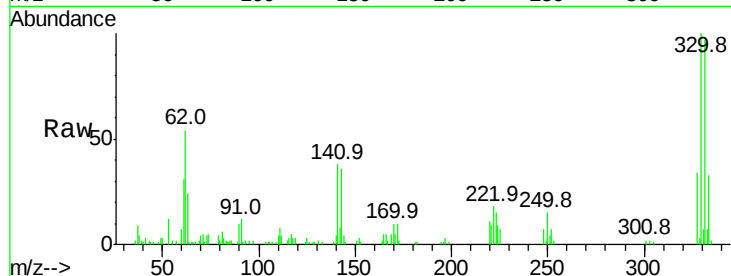




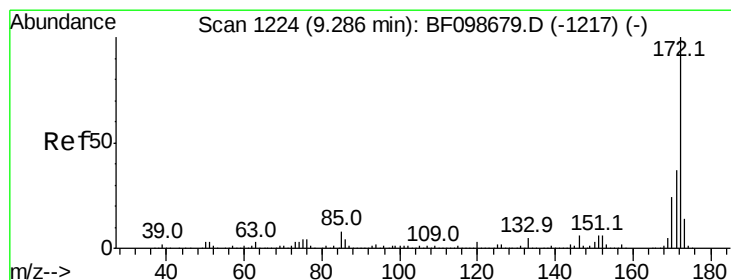
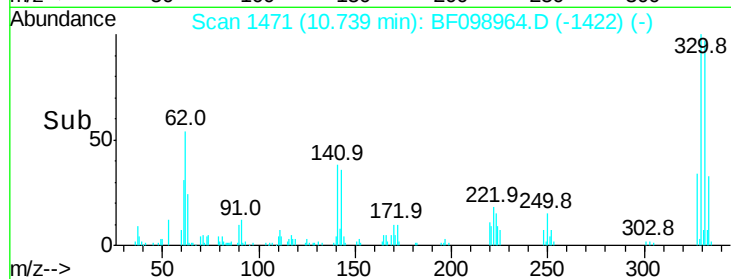
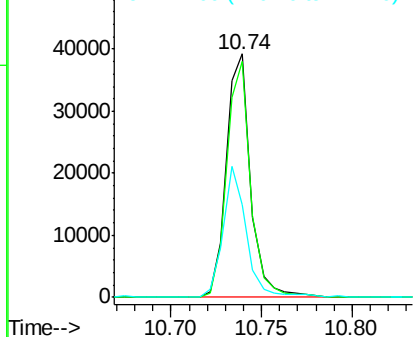
#41
 2,4,6-Tribromophenol
 Concen: 18.847 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098964.D
 Acq: 30 Sep 2017 15:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 36680
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 51.4 29.9 44.9#

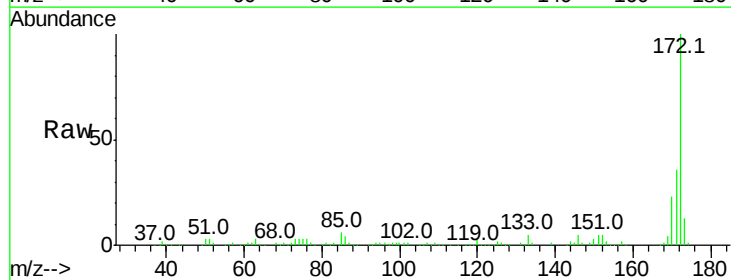


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

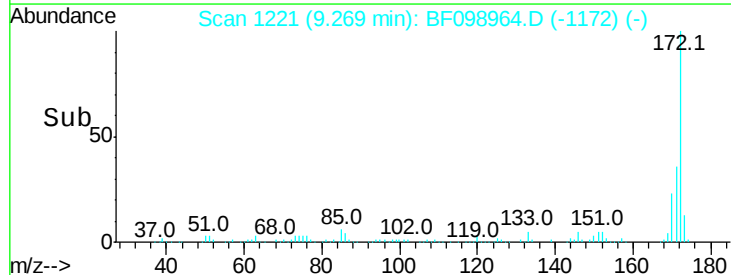
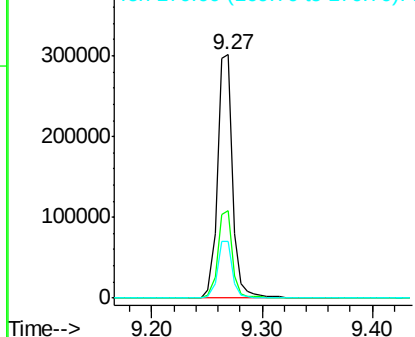


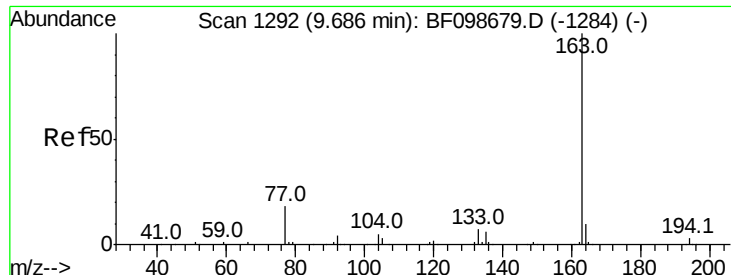
#44
 2-Fluorobiphenyl
 Concen: 20.145 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098964.D
 Acq: 30 Sep 2017 15:55

Tgt Ion:172 Resp: 287009
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.2 19.6 29.4



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





#49

Dimethylphthalate

Concen: 2.089 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.02 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampleId :

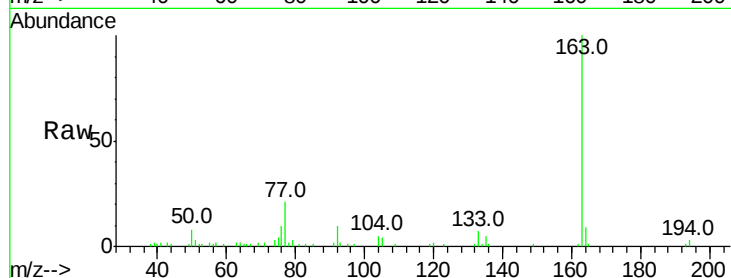
Tot Ion:163 Resp: 37498

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

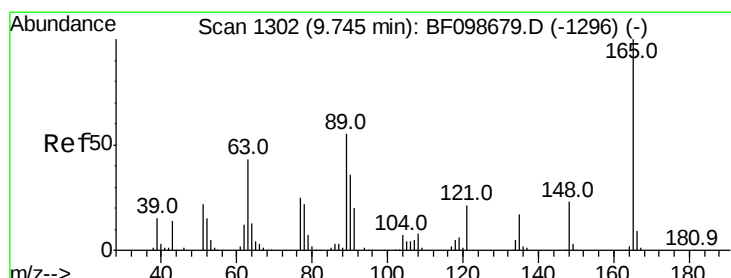
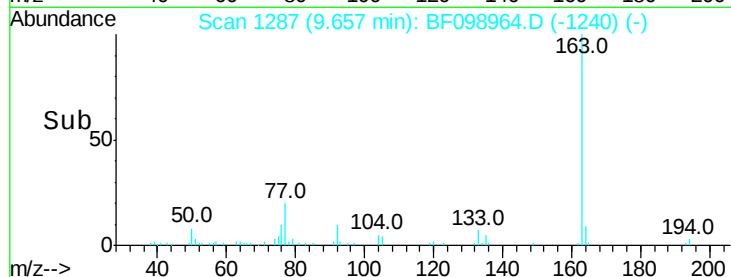
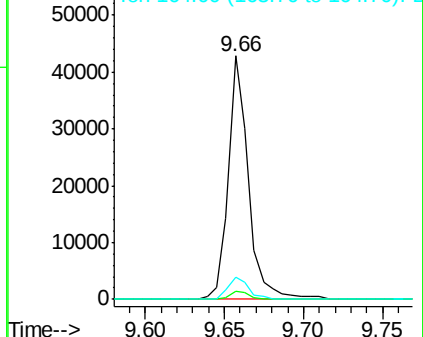
164 9.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.698 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

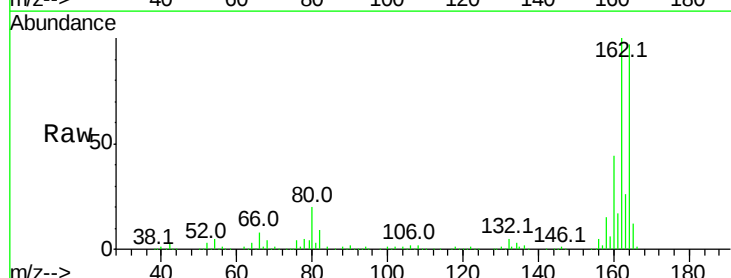
Tgt Ion:165 Resp: 30086

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

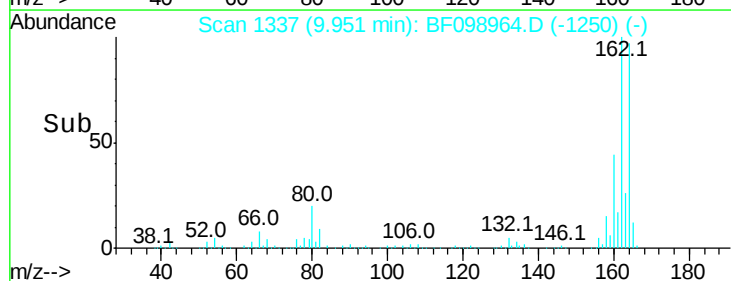
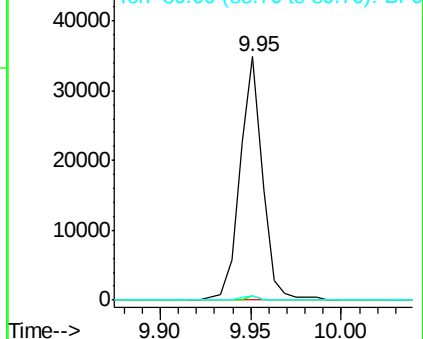
89 1.7 44.0 66.0#



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

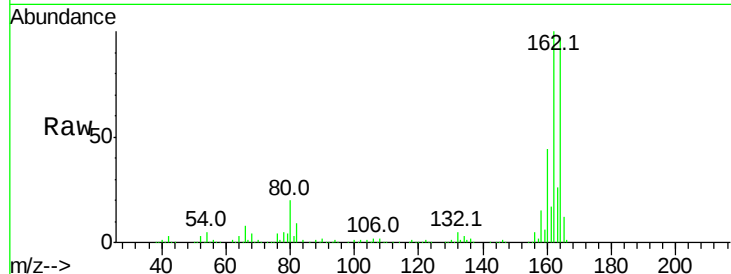




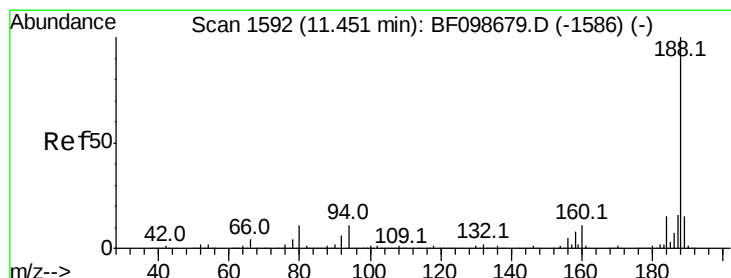
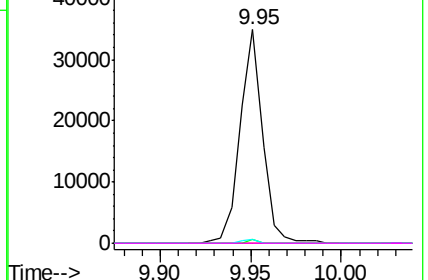
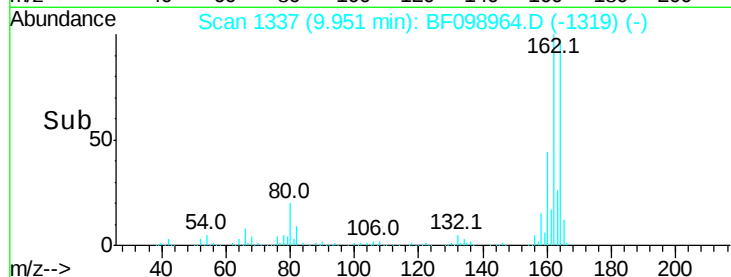
#56
 2,4-Dinitrotoluene
 Concen: 5.932 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098964.D
 Acq: 30 Sep 2017 15:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 30086
 Ion Ratio Lower Upper
 165 100
 63 1.9 36.4 54.6#
 89 1.7 57.8 86.6#
 182 0.0 1.6 2.4#

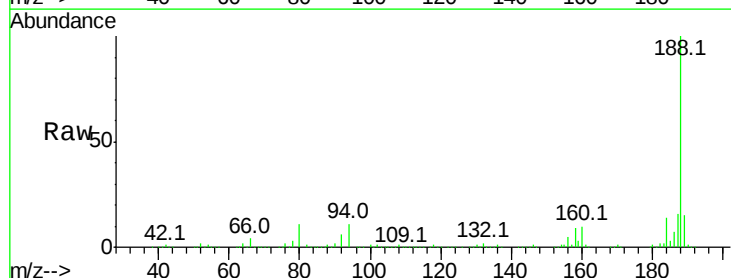


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

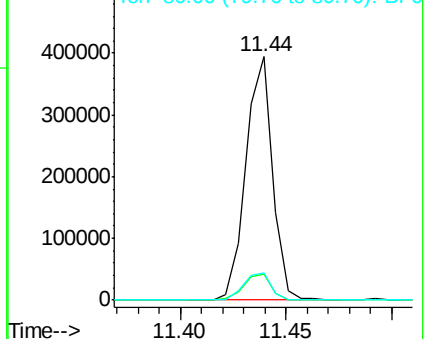
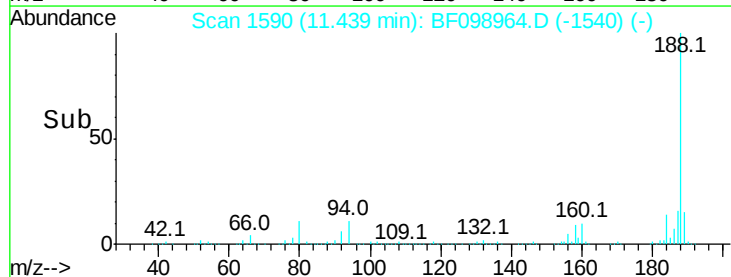


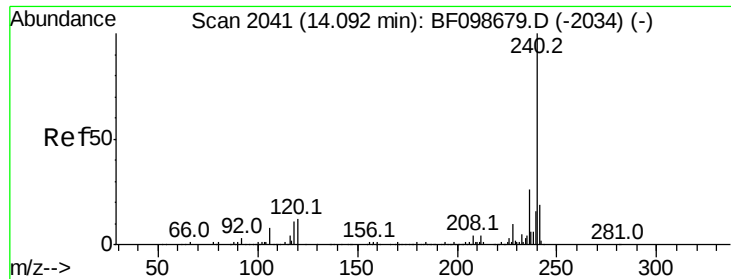
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098964.D
 Acq: 30 Sep 2017 15:55

Tgt Ion:188 Resp: 346017
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 11.0 9.2 13.8



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampleId :

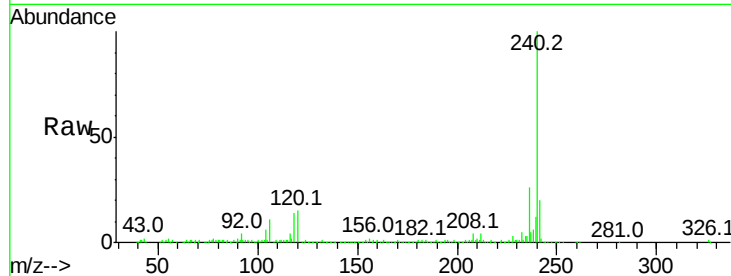
Tot Ion:240 Resp: 229935

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

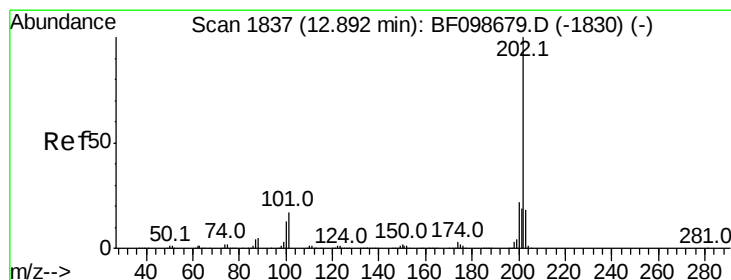
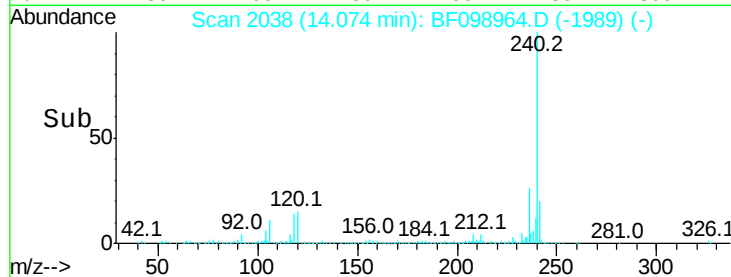
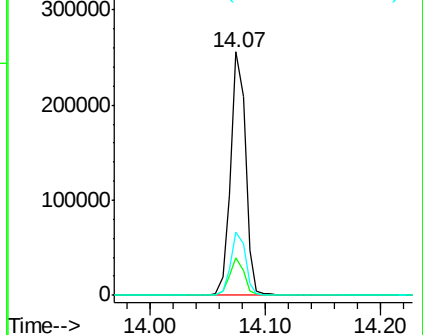
236 26.2 20.7 31.1



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



#77

Pyrene

Concen: 2.270 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

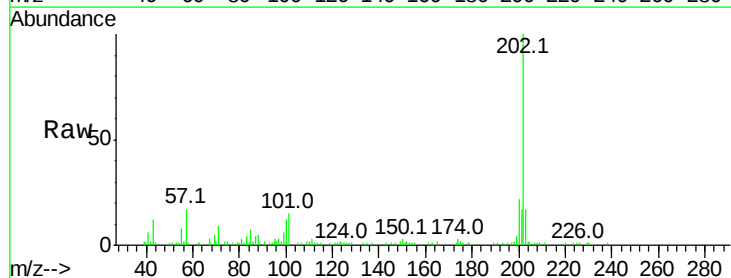
Tgt Ion:202 Resp: 39808

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

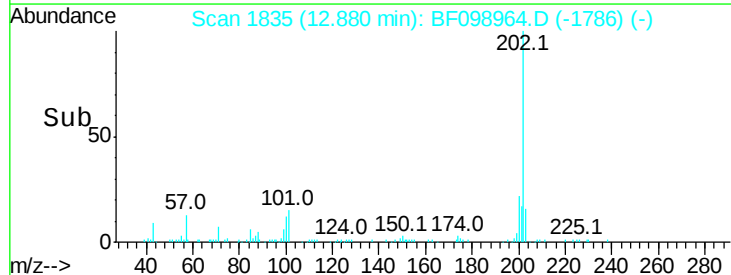
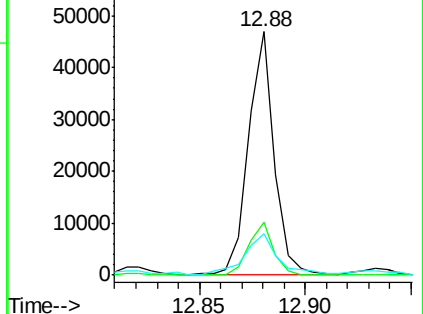
203 16.8 14.3 21.5

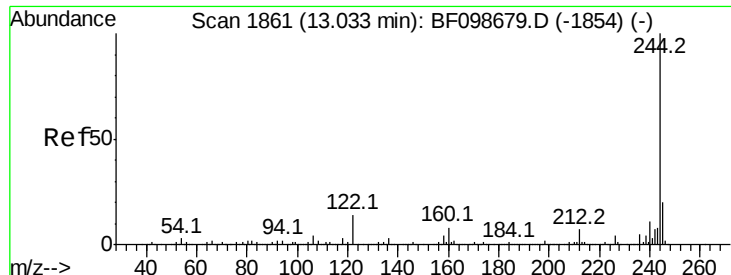


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 16.235 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampleId :

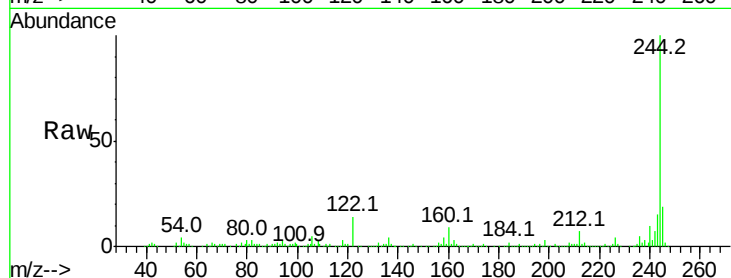
Tot Ion:244 Resp: 164145

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

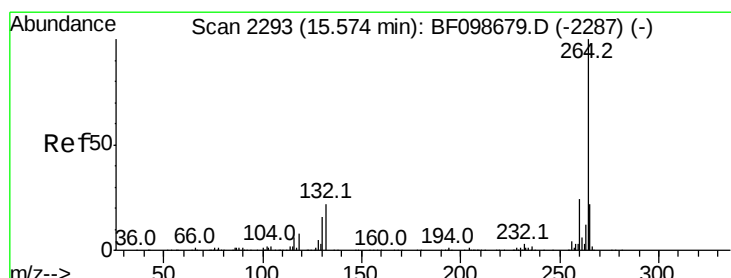
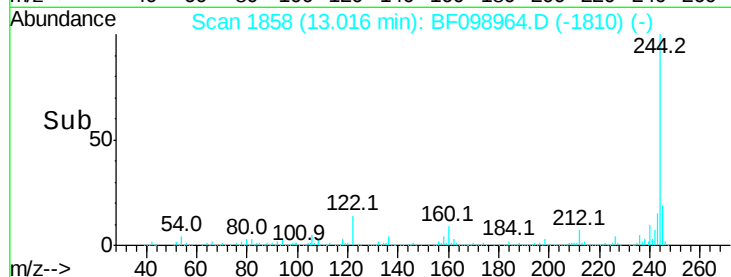
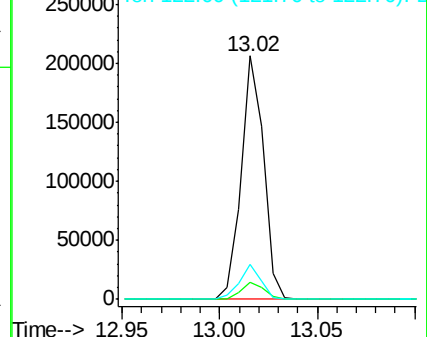
122 14.5 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

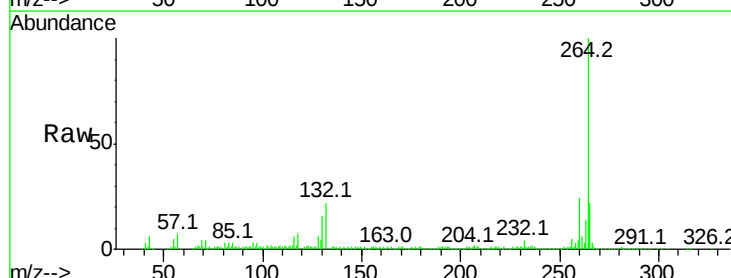
Tgt Ion:264 Resp: 245940

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

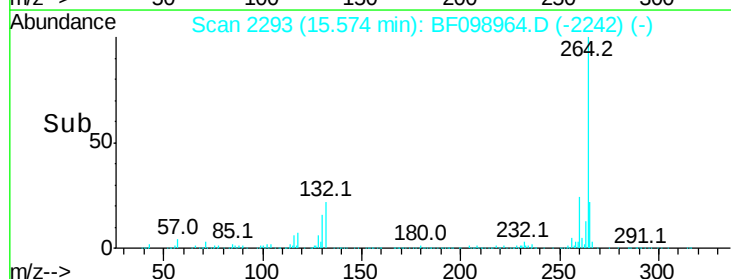
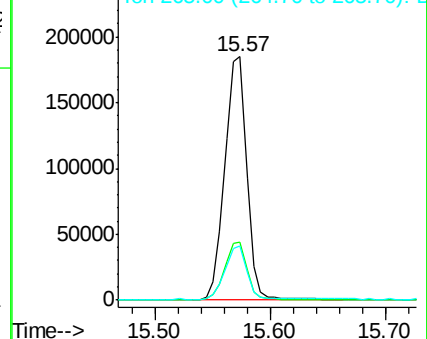
265 22.0 17.5 26.3

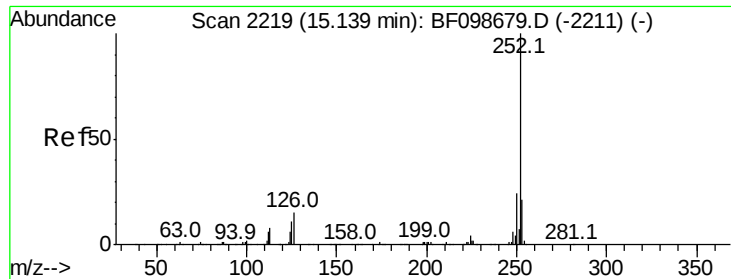


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.030 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

Instrument :

BNA_F

ClientSampleId :

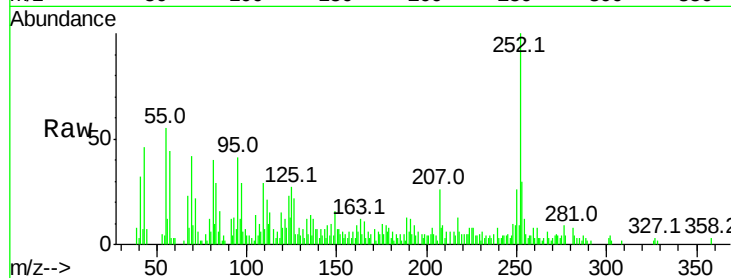
Tot Ion:252 Resp: 30695

Ion Ratio Lower Upper

252 100

253 29.6 17.0 25.6#

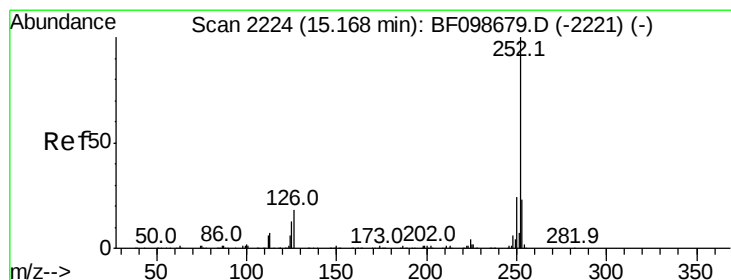
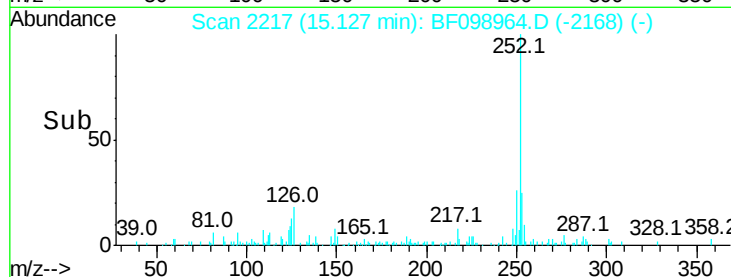
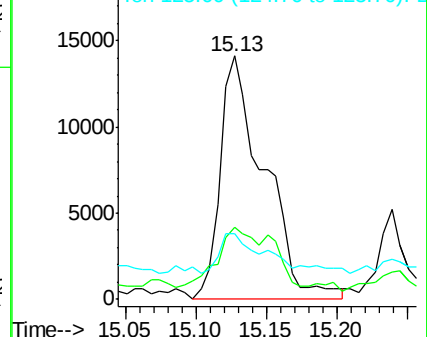
125 26.8 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.055 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF098964.D

Acq: 30 Sep 2017 15:55

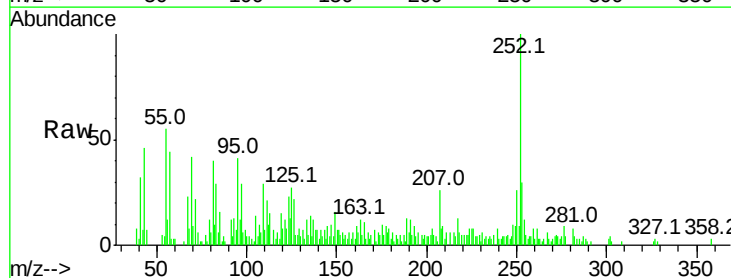
Tgt Ion:252 Resp: 30695

Ion Ratio Lower Upper

252 100

253 29.6 17.9 26.9#

125 26.8 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

