

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096510.D
 Acq On : 6 Jul 2017 4:15
 Operator : SJ/MA
 Sample : I3975-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 04:43:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

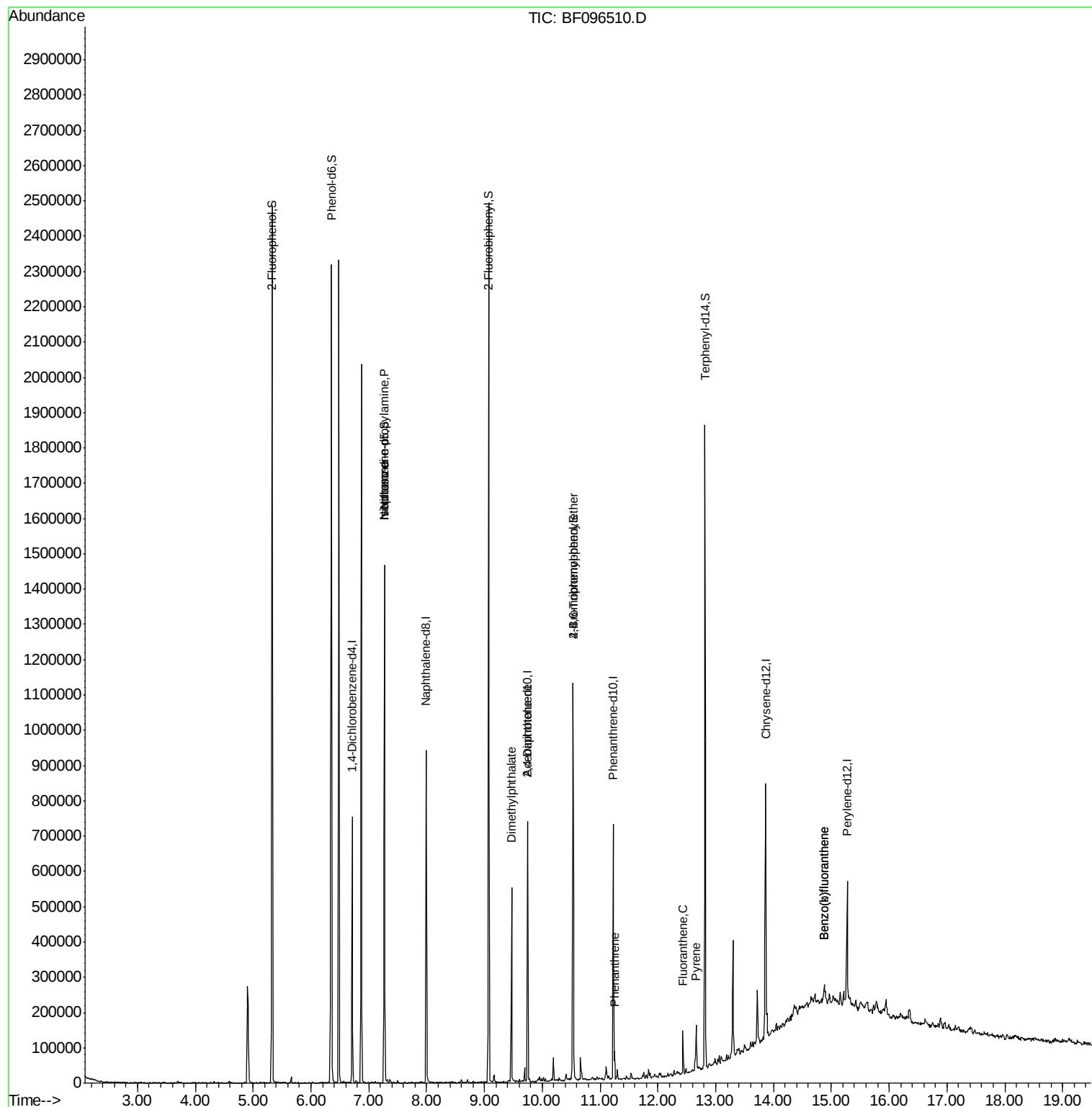
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	111756	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	421821	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	153132	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	237327	20.00	ng	0.00
75) Chrysene-d12	13.86	240	222914	20.00	ng	0.00
86) Perylene-d12	15.27	264	151861	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	704736	93.08	ng	0.00
7) Phenol-d6	6.35	99	828747	89.03	ng	0.00
23) Nitrobenzene-d5	7.27	82	448319	63.87	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	118149	98.77	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	748360	83.56	ng	0.00
78) Terphenyl-d14	12.82	244	536090	51.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	58574	10.56	ng	# 87
25) Isophorone	7.27	82	445968	32.77	ng	# 67
49) Dimethylphthalate	9.47	163	234633	20.53	ng	98
56) 2,4-Dinitrotoluene	9.75	165	19952	6.23	ng	# 32
66) 4-Bromophenyl-phenylether	10.53	248	7763	3.36	ng	# 1
70) Phenanthrene	11.25	178	25804	2.01	ng	98
74) Fluoranthene	12.43	202	48216	3.83	ng	99
77) Pyrene	12.66	202	49829	2.78	ng	98
87) Benzo(b)fluoranthene	14.87	252	31659	3.33	ng	# 76
88) Benzo(k)fluoranthene	14.87	252	31659	3.72	ng	# 80

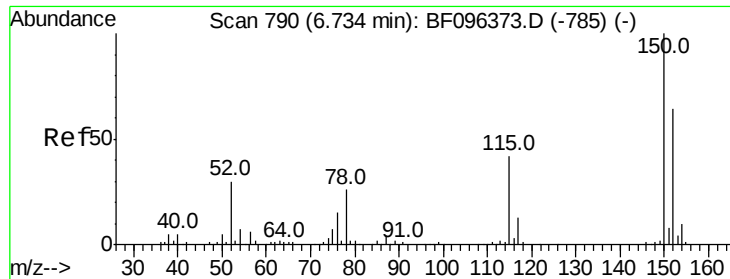
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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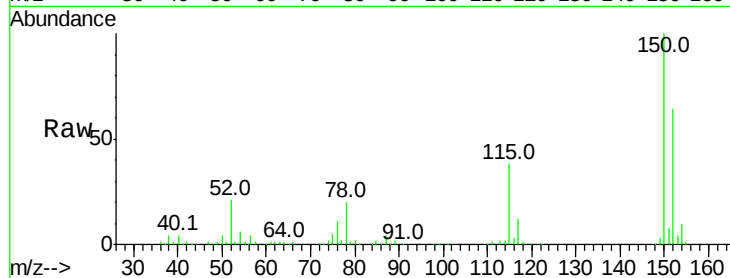


#1

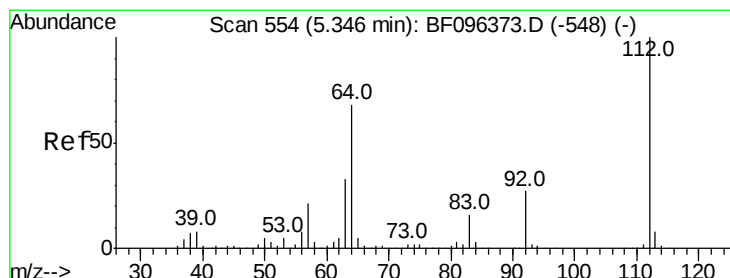
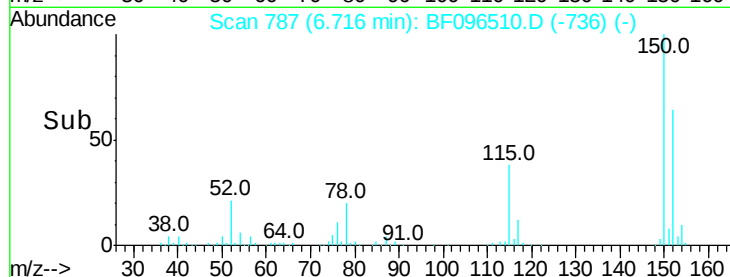
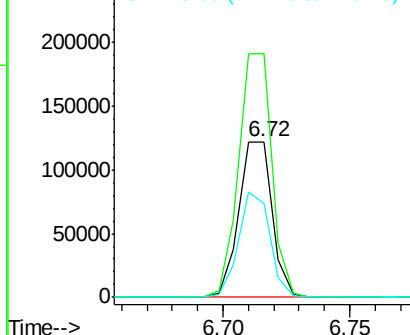
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 111756
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.2 189.2
 115 59.9 52.2 78.2



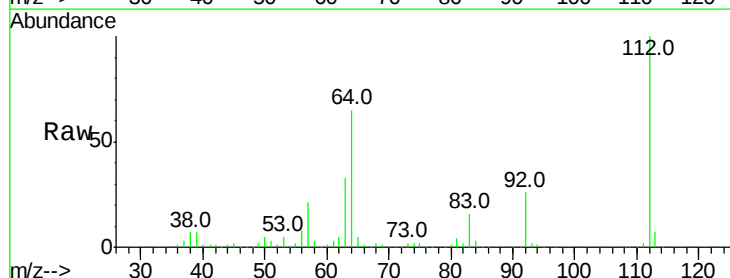
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



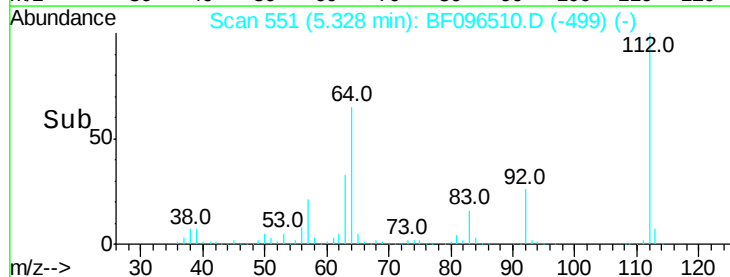
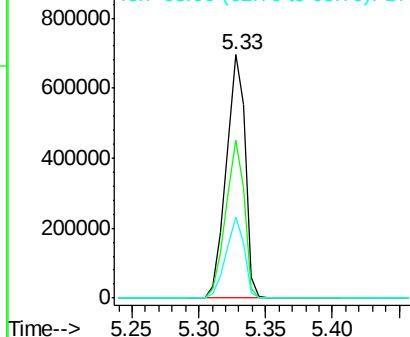
#5

2-Fluorophenol
 Concen: 93.08 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

Tgt Ion:112 Resp: 704736
 Ion Ratio Lower Upper
 112 100
 64 64.7 46.0 69.0
 63 33.2 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: 89.03 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

Instrument :

BNA_F

ClientSampled :

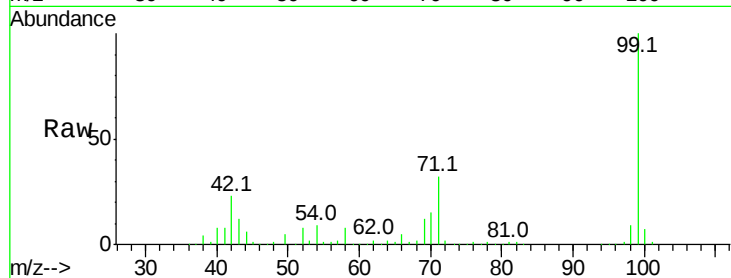
Tot Ion: 99 Resp: 828747

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

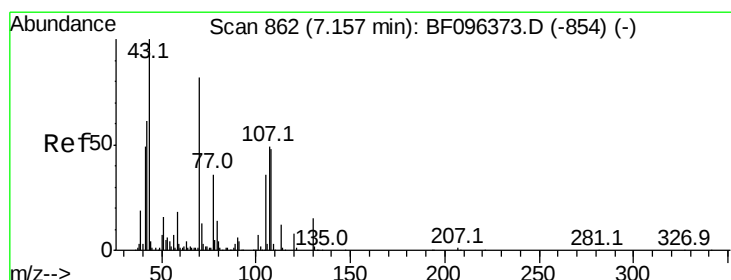
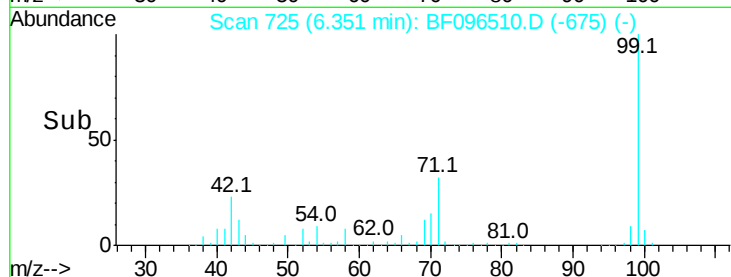
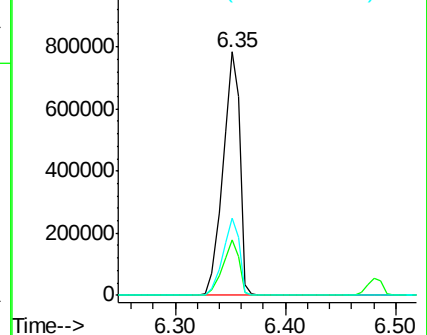
71 31.8 24.5 36.7



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: 10.56 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

Tgt Ion: 70 Resp: 58574

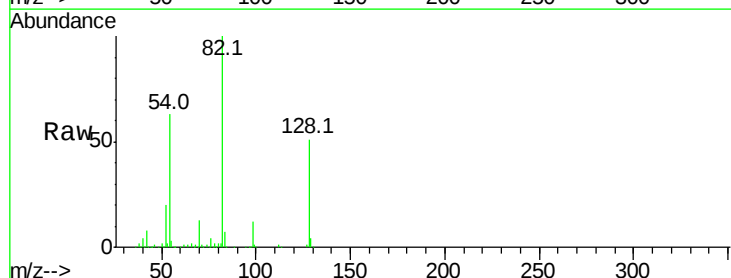
Ion Ratio Lower Upper

70 100

42 56.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

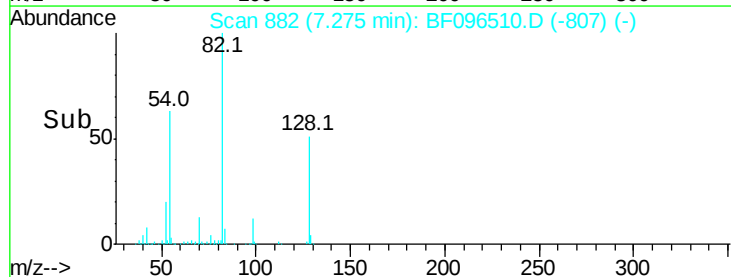
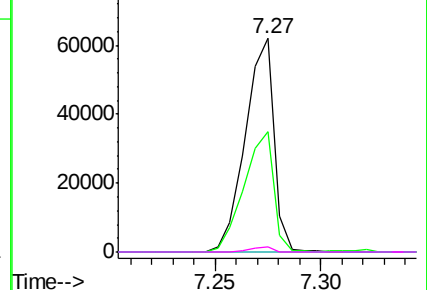


Abundance Ion 70.00 (69.70 to 70.70): BF0

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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 421821

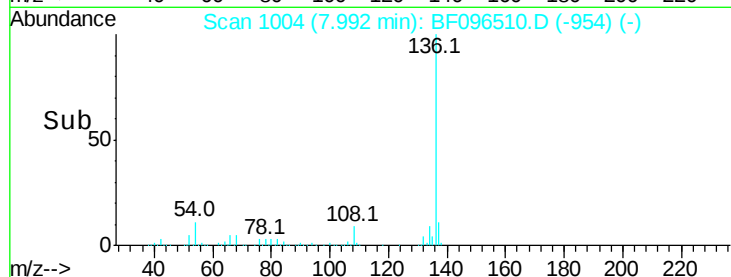
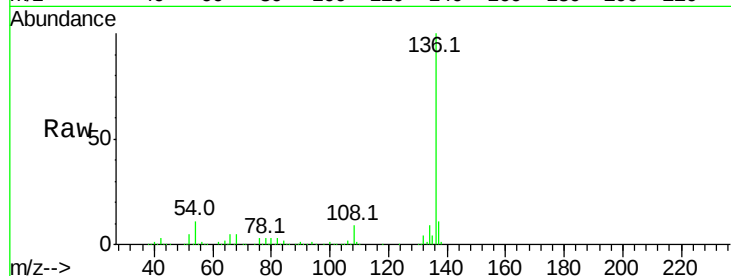
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.6 4.9 7.3#

68 5.3 4.1 6.1

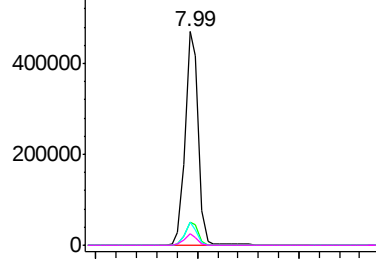


Abundance Ion 136.00 (135.70 to 136.70): E

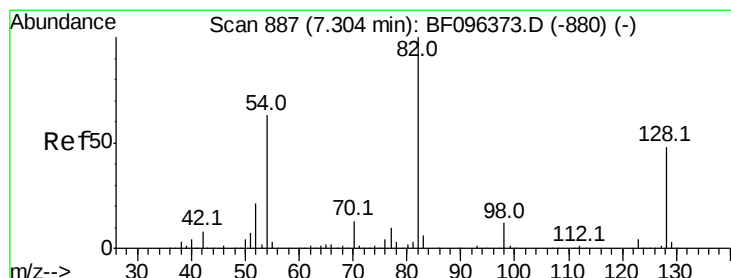
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 63.87 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

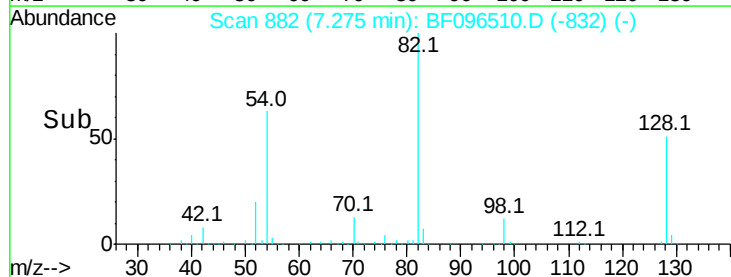
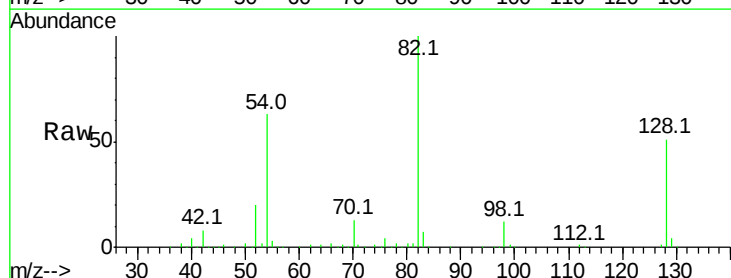
Tgt Ion: 82 Resp: 448319

Ion Ratio Lower Upper

82 100

128 51.2 34.0 51.0#

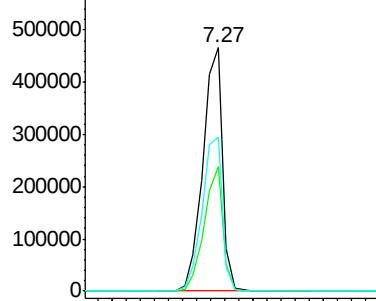
54 63.3 42.2 63.2#



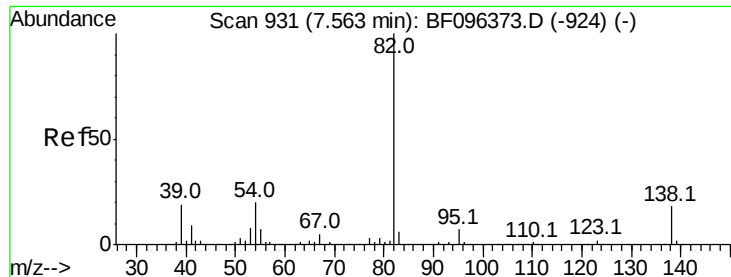
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 32.77 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

Instrument :

BNA_F

ClientSampled :

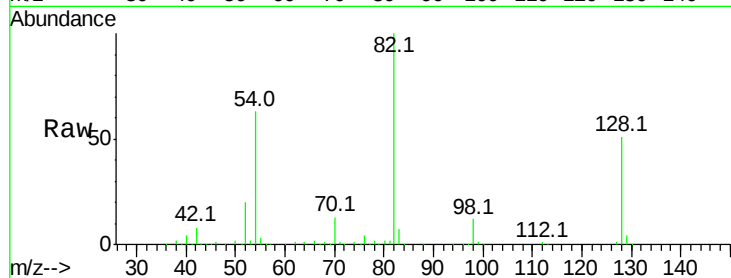
Tot Ion: 82 Resp: 445968

Ion Ratio Lower Upper

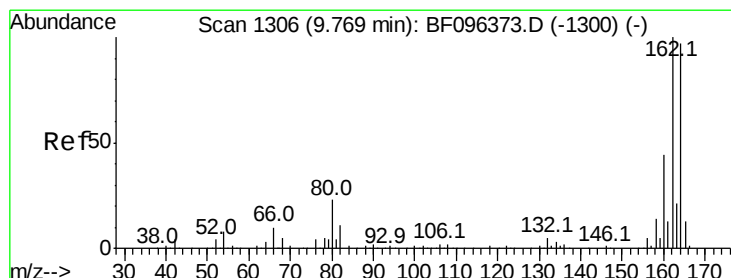
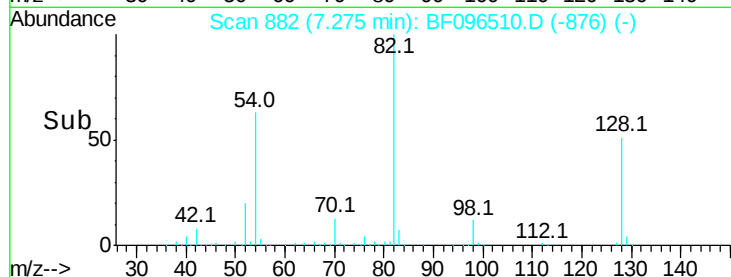
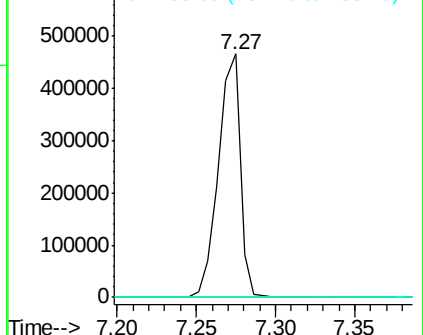
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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# 1302

Delta R.T. -0.01 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

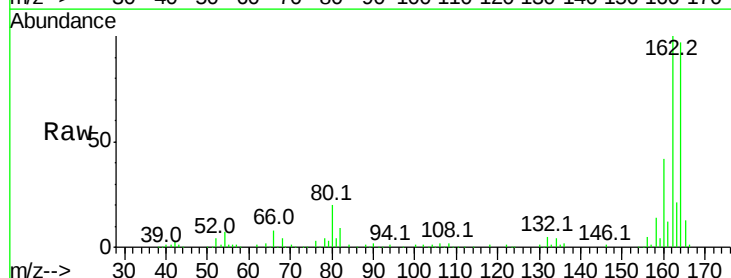
Tgt Ion: 164 Resp: 153132

Ion Ratio Lower Upper

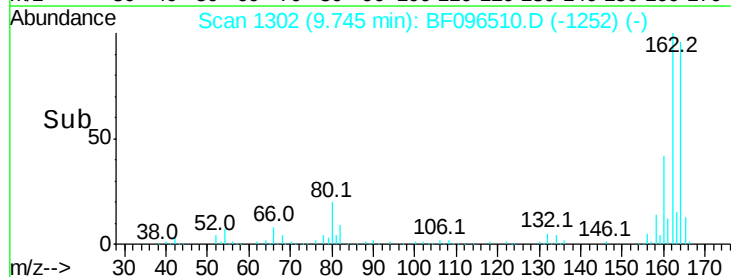
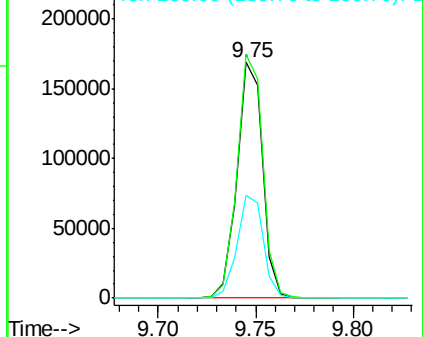
164 100

162 103.4 82.6 123.8

160 43.6 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

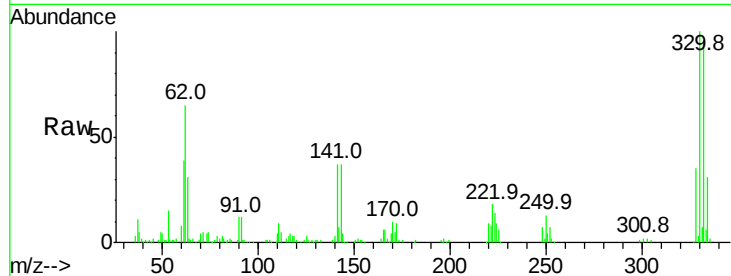




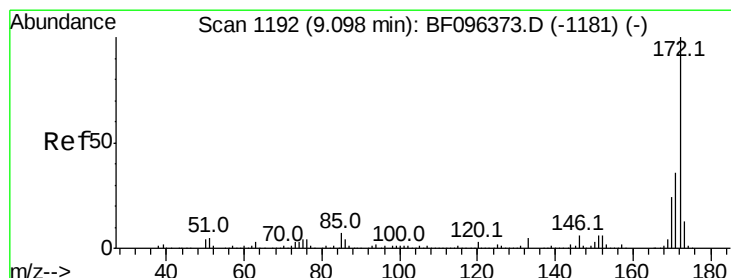
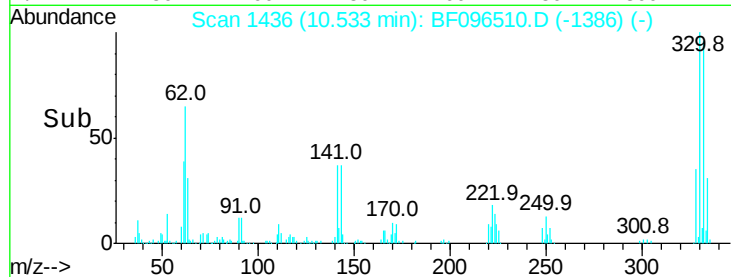
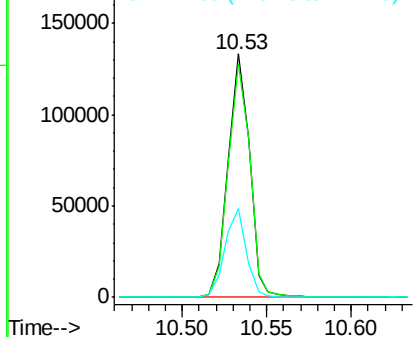
#41
 2,4,6-Tribromophenol
 Concen: 98.77 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 118149
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 36.2 31.4 47.2

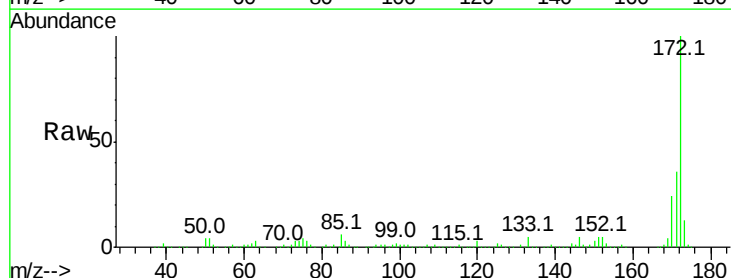


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

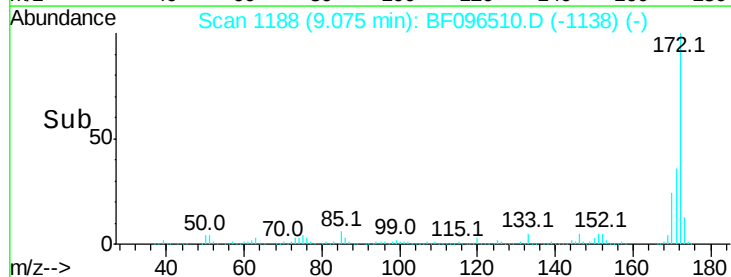
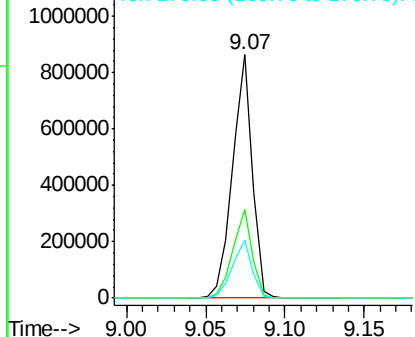


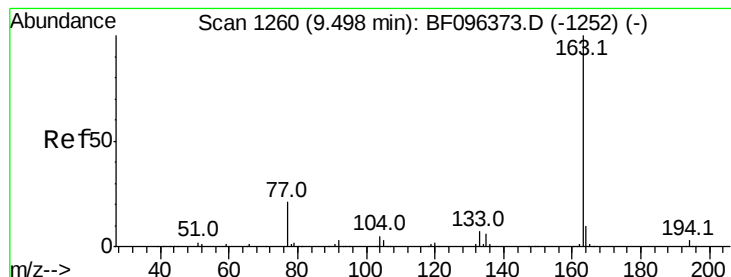
#44
 2-Fluorobiphenyl
 Concen: 83.56 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

Tgt Ion:172 Resp: 748360
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.8 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

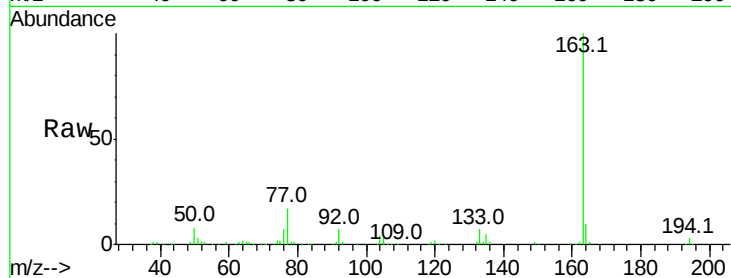




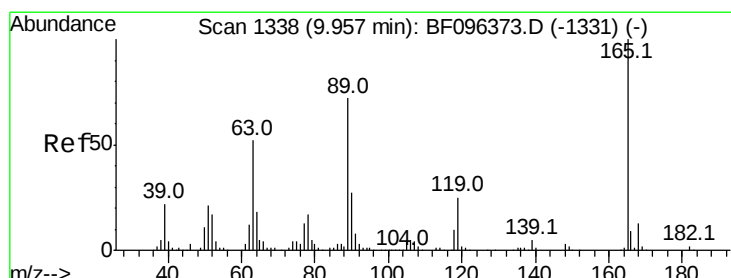
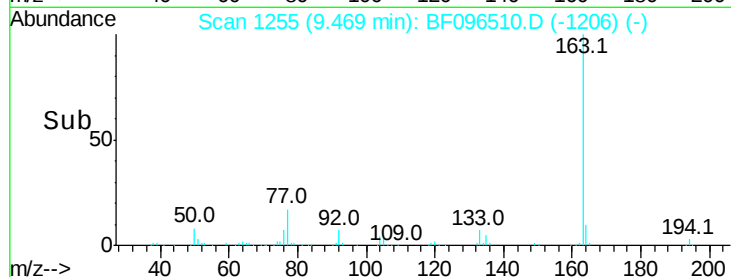
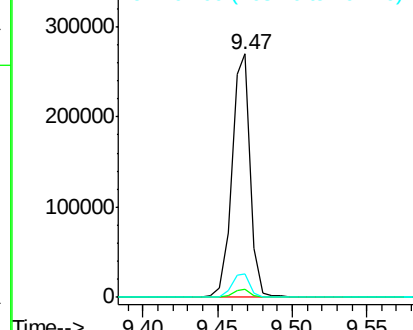
#49
Dimethylphthalate
Concen: 20.53 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096510.D
Acq: 6 Jul 2017 4:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 234633
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.8 8.4 12.6

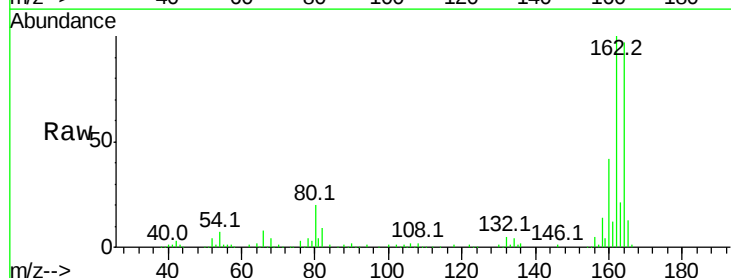


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

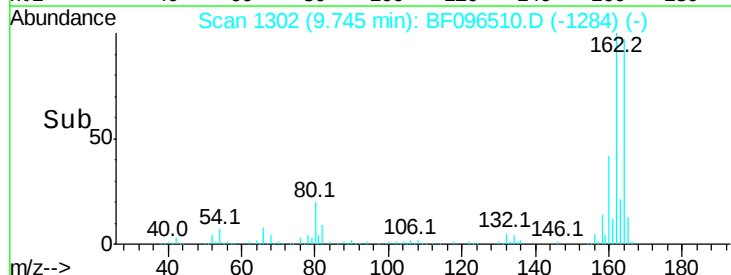
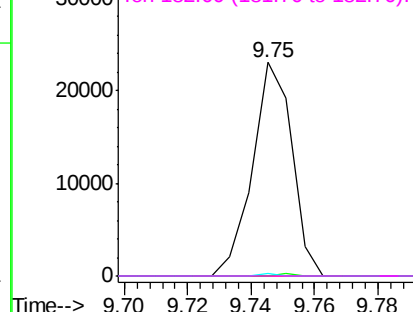


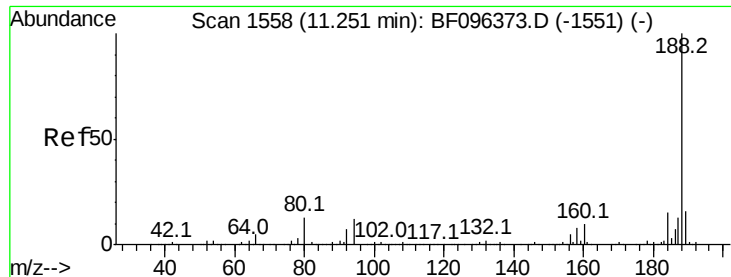
#56
2,4-Dinitrotoluene
Concen: 6.23 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096510.D
Acq: 6 Jul 2017 4:15

Tgt Ion:165 Resp: 19952
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 1.5 46.4 69.6#
182 0.0 1.8 2.6#



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

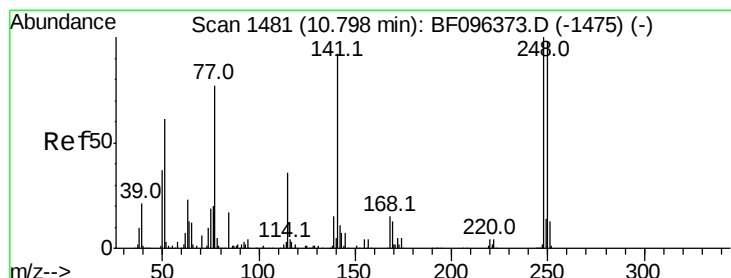
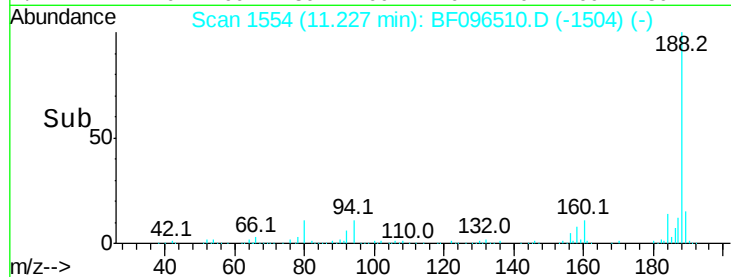
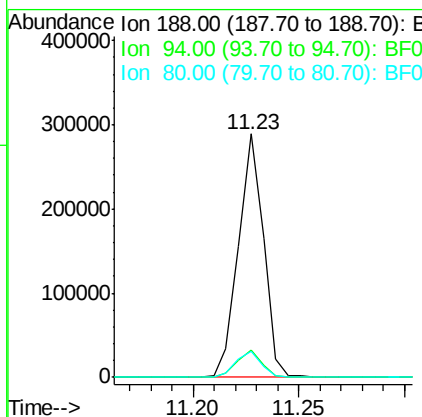
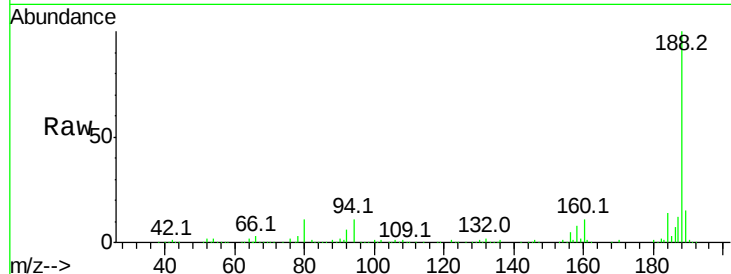




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

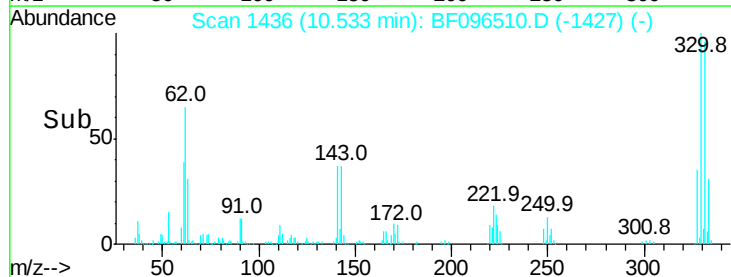
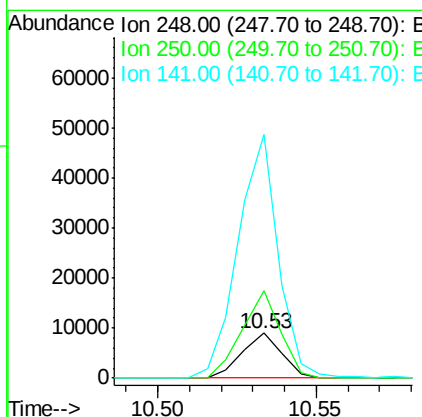
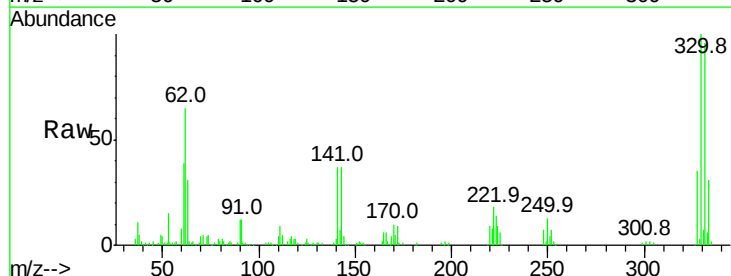
Instrument :
 BNA_F
 ClientSampleId :

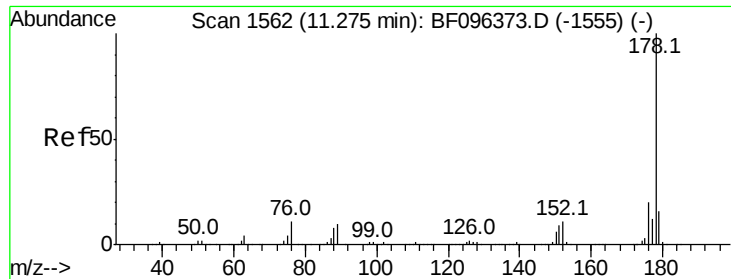
Tot Ion:188 Resp: 237327
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 10.8 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.36 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

Tgt Ion:248 Resp: 7763
 Ion Ratio Lower Upper
 248 100
 250 196.8 76.8 115.2#
 141 545.8 68.6 103.0#

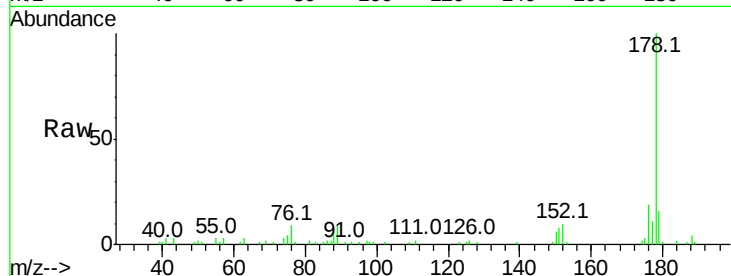




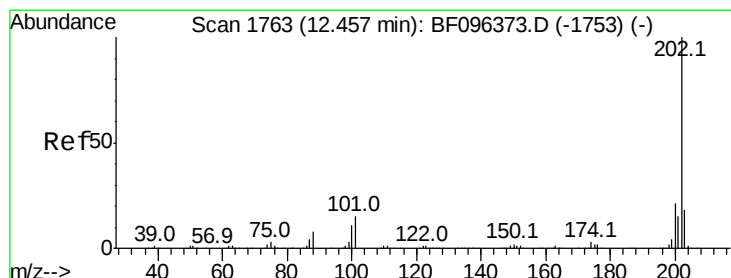
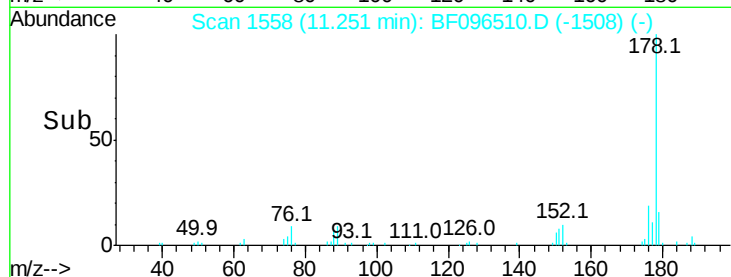
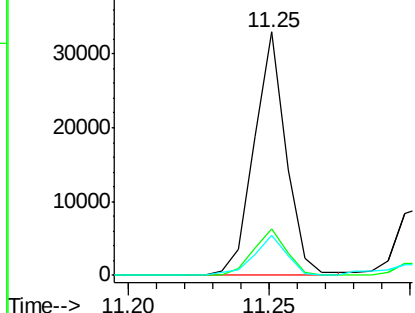
#70
Phenanthrene
Concen: 2.01 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096510.D
Acq: 6 Jul 2017 4:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 25804
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 16.4 12.6 19.0

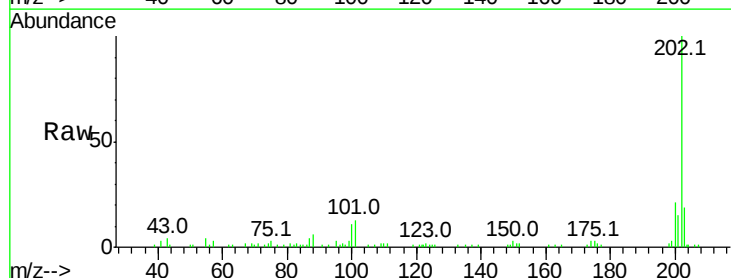


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

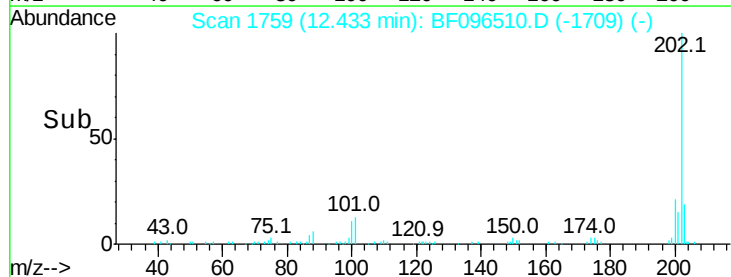
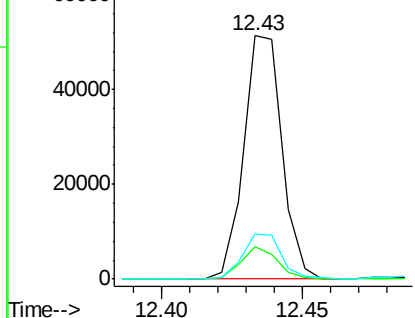


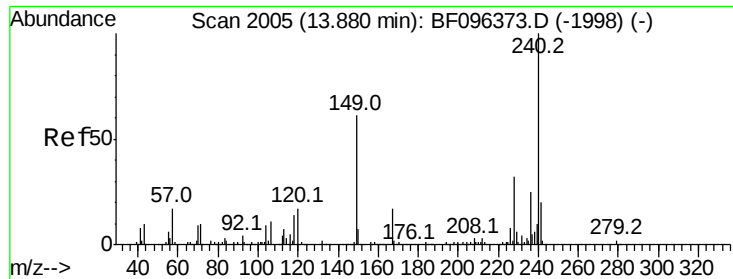
#74
Fluoranthene
Concen: 3.83 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BF096510.D
Acq: 6 Jul 2017 4:15

Tgt Ion:202 Resp: 48216
Ion Ratio Lower Upper
202 100
101 13.1 0.0 33.2
203 18.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

Instrument :

BNA_F

ClientSampleId :

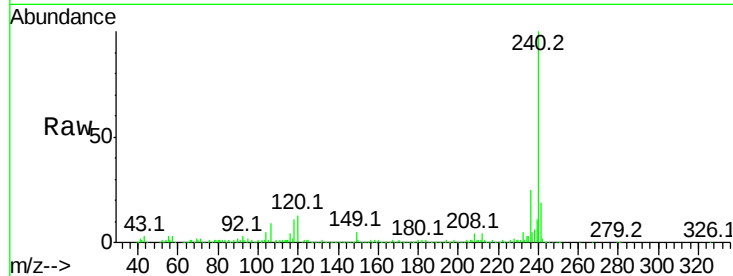
Tot Ion:240 Resp: 222914

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

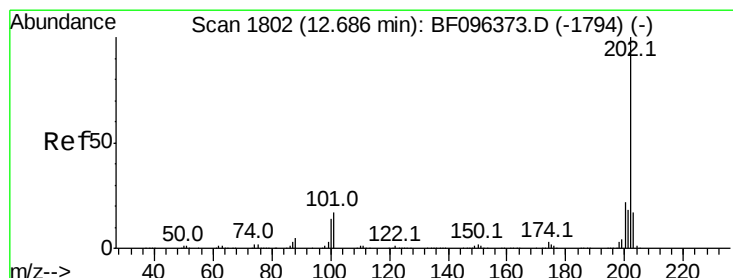
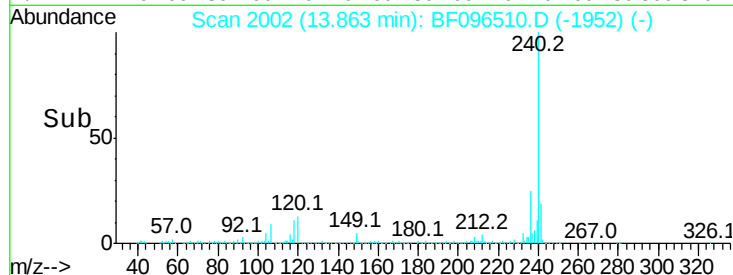
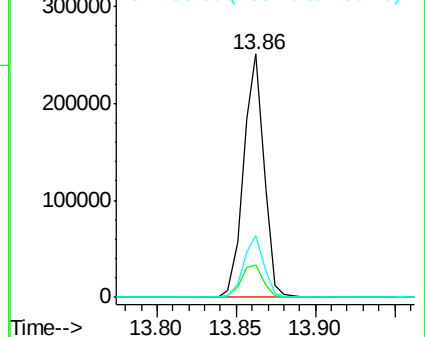
236 25.2 20.5 30.7



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



#77

Pyrene

Concen: 2.78 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

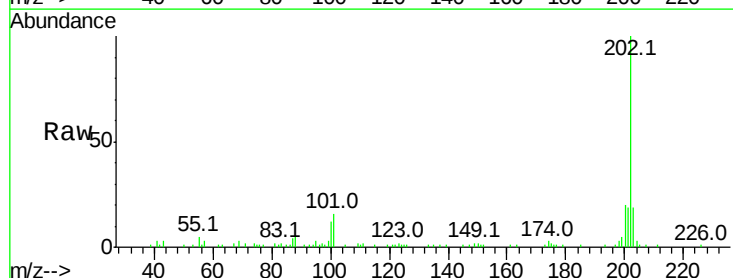
Tgt Ion:202 Resp: 49829

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

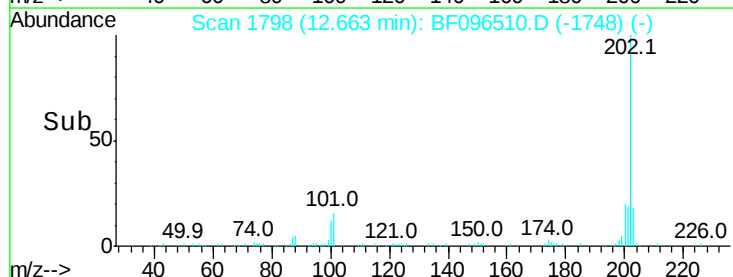
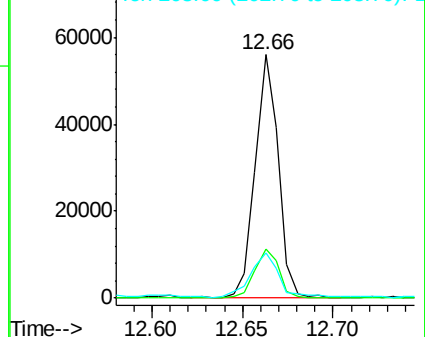
203 18.6 14.4 21.6

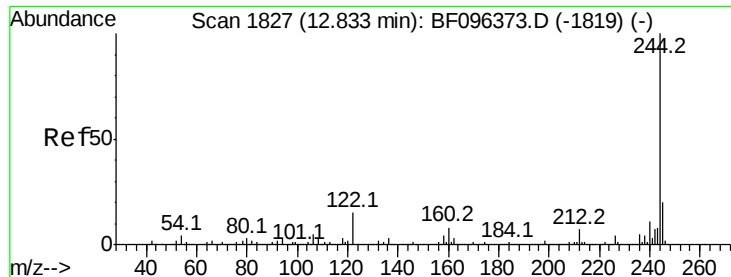


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

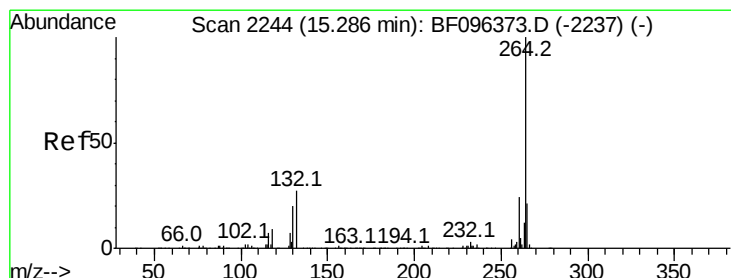
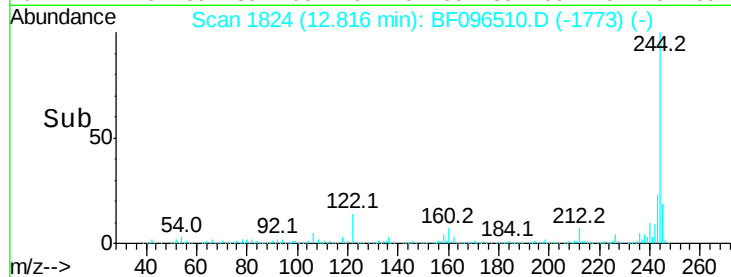
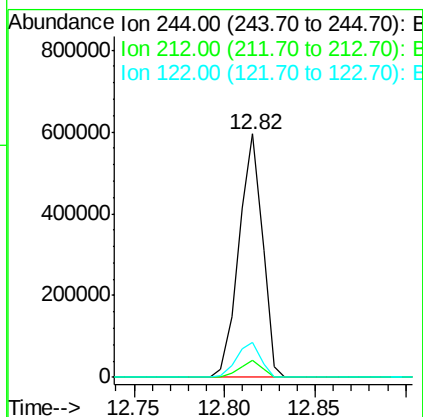
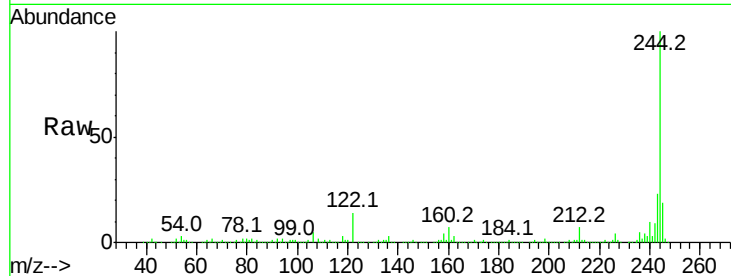




#78
 Terphenyl-d14
 Concen: 51.39 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

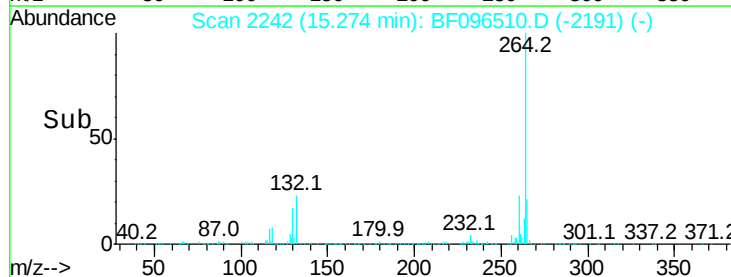
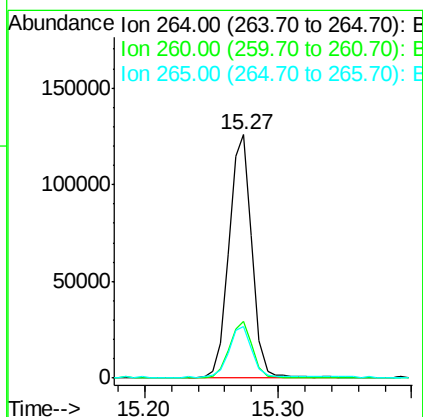
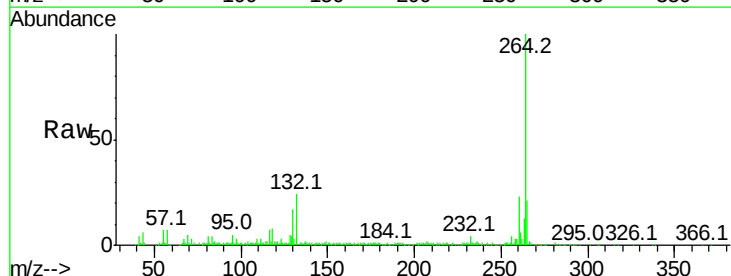
Instrument :
 BNA_F
 ClientSampleId :

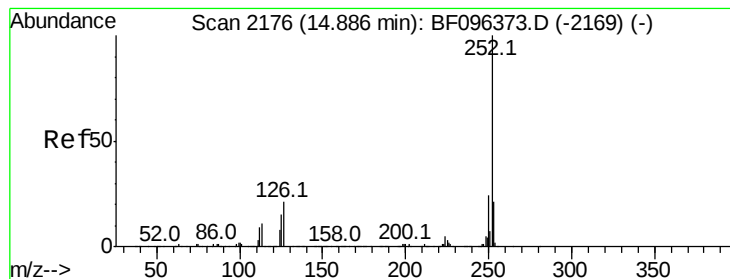
Tot Ion:244 Resp: 536090
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF096510.D
 Acq: 6 Jul 2017 4:15

Tgt Ion:264 Resp: 151861
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 21.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.33 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

Instrument :

BNA_F

ClientSampleId :

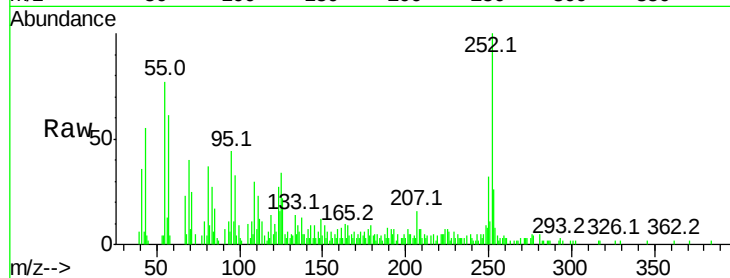
Tot Ion:252 Resp: 31659

Ion Ratio Lower Upper

252 100

253 25.8 18.1 27.1

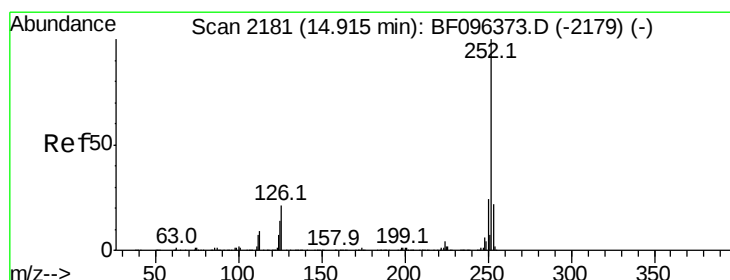
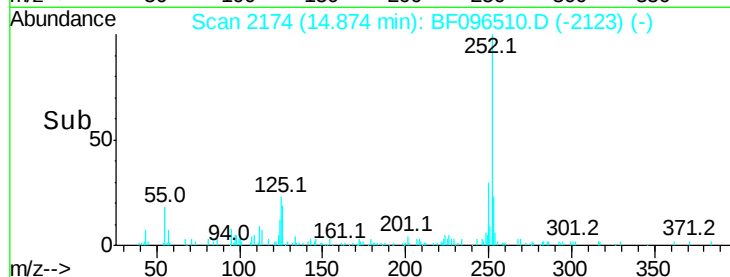
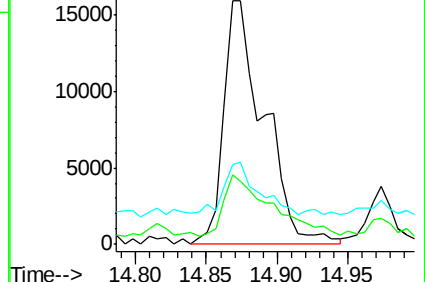
125 33.9 9.8 14.8#



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: 3.72 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF096510.D

Acq: 6 Jul 2017 4:15

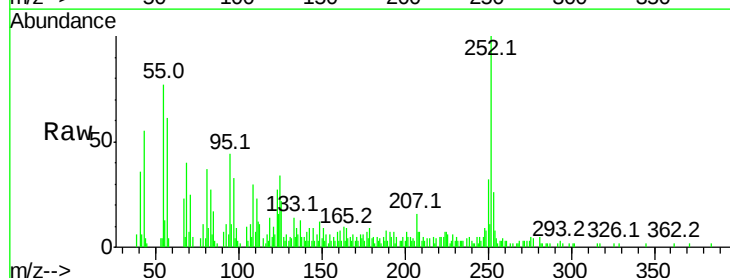
Tgt Ion:252 Resp: 31659

Ion Ratio Lower Upper

252 100

253 25.8 18.4 27.6

125 33.9 13.1 19.7#



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

