

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098223.D
 Acq On : 1 Sep 2017 13:40
 Operator : SJ/JU
 Sample : I4987-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPMSD

Quant Time: Sep 01 16:21:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

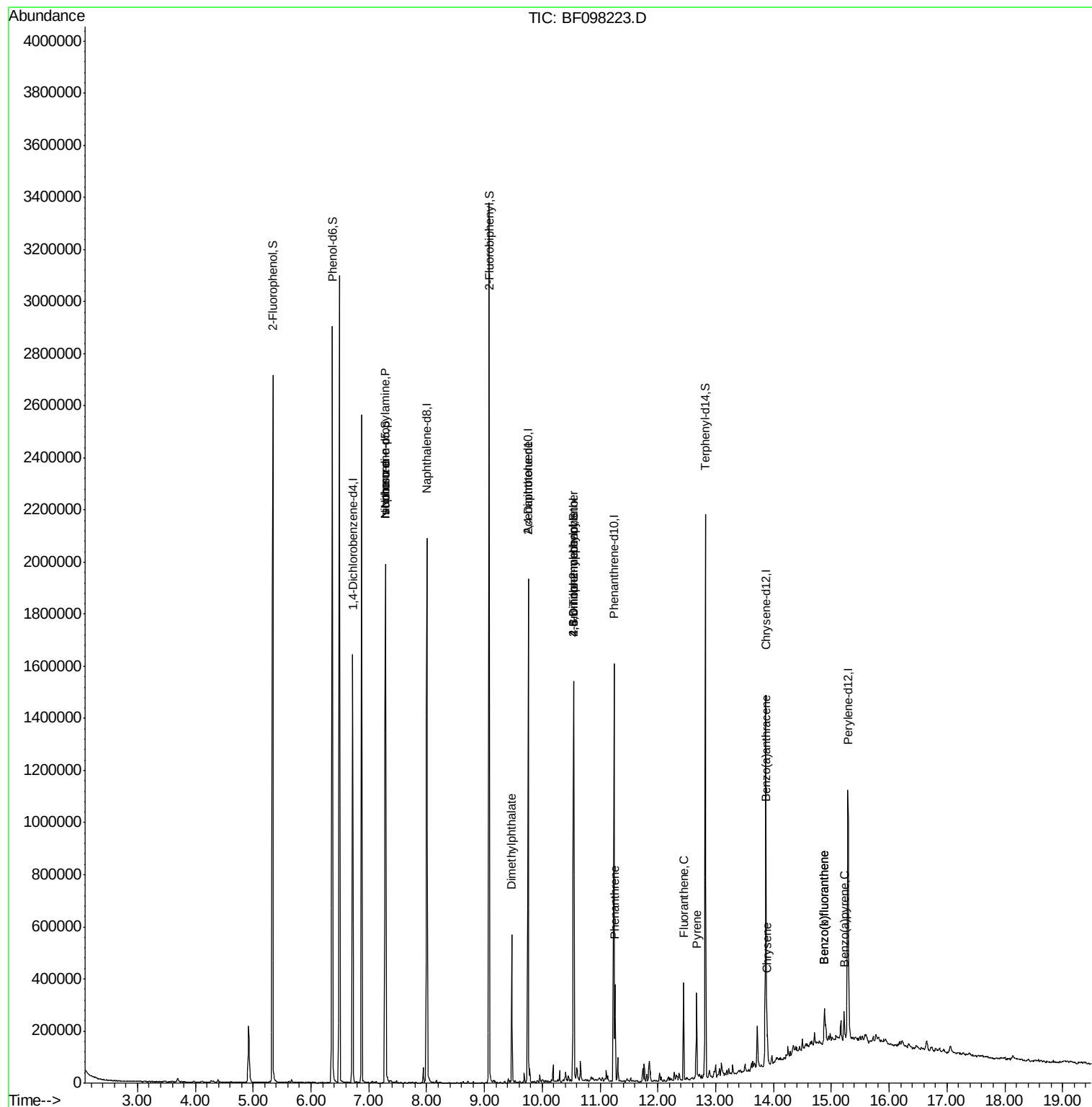
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	233430	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	894782	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	376451	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	594592	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	453242	20.00	ng	-0.03
86) Perylene-d12	15.29	264	428119	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	933939	60.86	ng	-0.01
7) Phenol-d6	6.37	99	1288415	61.79	ng	-0.02
23) Nitrobenzene-d5	7.29	82	809535	49.15	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	194086	59.42	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1037476	40.49	ng	-0.03
78) Terphenyl-d14	12.82	244	641507	29.52	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	107200	7.510	ng	# 71
25) Isophorone	7.29	82	800086	23.361	ng	# 67
49) Dimethylphthalate	9.47	163	195826	7.116	ng	98
56) 2,4-Dinitrotoluene	9.76	165	48876	7.090	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.54	198	306	8.411	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	12466	2.019	ng	# 1
70) Phenanthrene	11.26	178	112434	3.549	ng	99
74) Fluoranthene	12.44	202	139546	4.220	ng	99
77) Pyrene	12.67	202	135956	3.668	ng	98
80) Benzo(a)anthracene	13.86	228	65643	2.416	ng	98
82) Chrysene	13.89	228	58708	2.173	ng	98
87) Benzo(b)fluoranthene	14.88	252	85506	3.169	ng	97
88) Benzo(k)fluoranthene	14.88	252	85506	3.373	ng	97
89) Benzo(a)pyrene	15.22	252	49109	2.056	ng	98

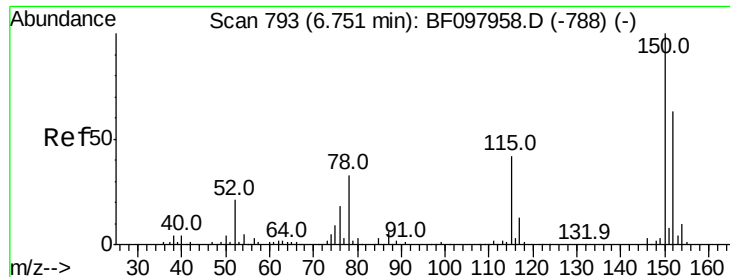
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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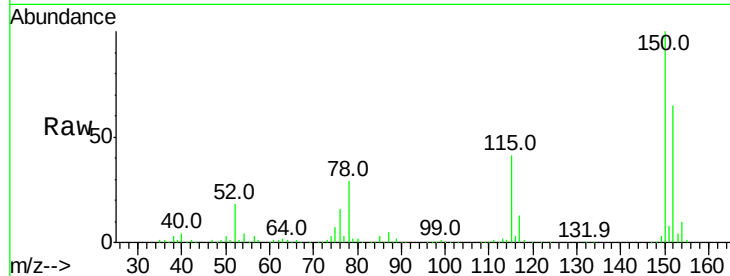


#1

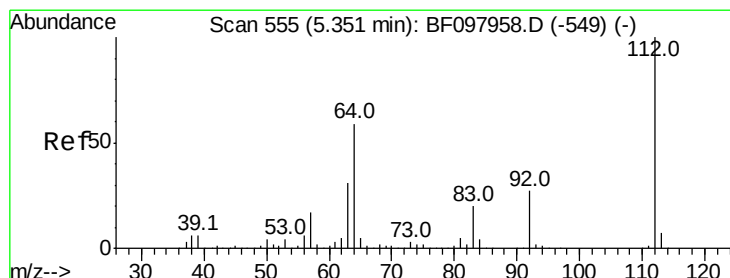
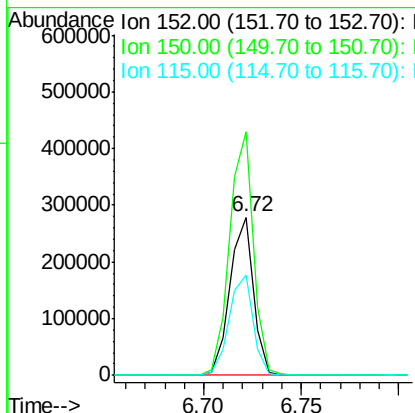
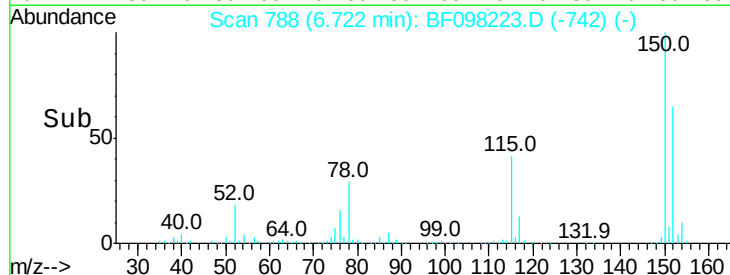
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPMSD

Tot Ion:152 Resp: 233430
 Ion Ratio Lower Upper
 152 100
 150 154.2 126.2 189.2
 115 63.8 52.2 78.2



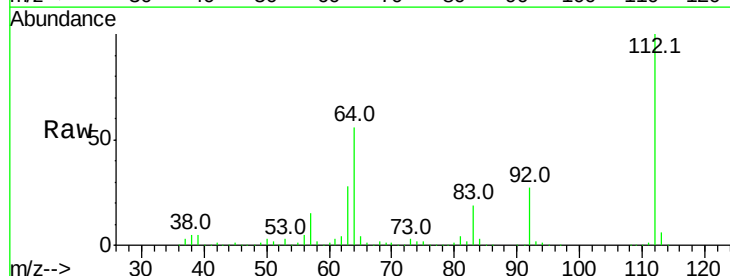
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



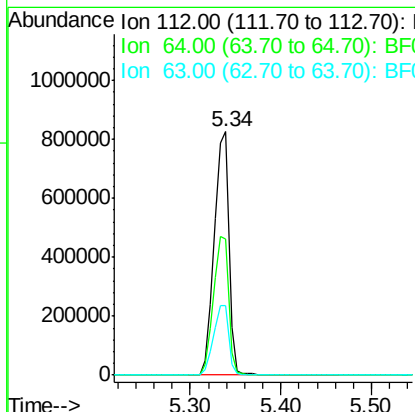
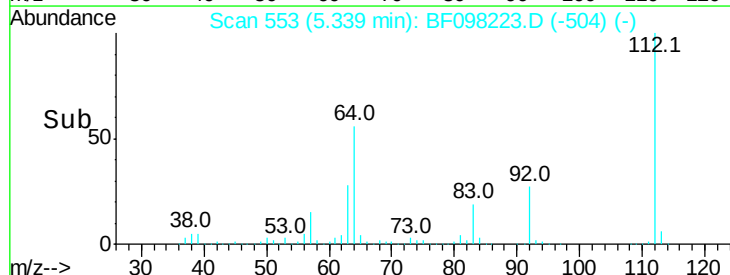
#5

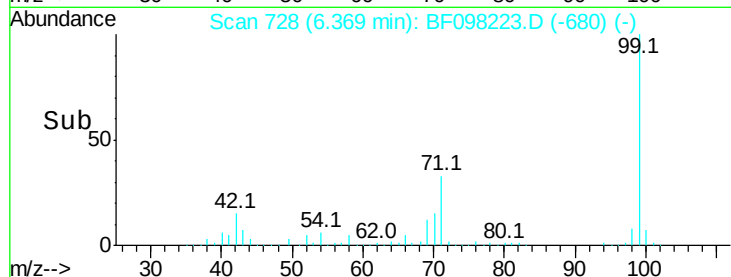
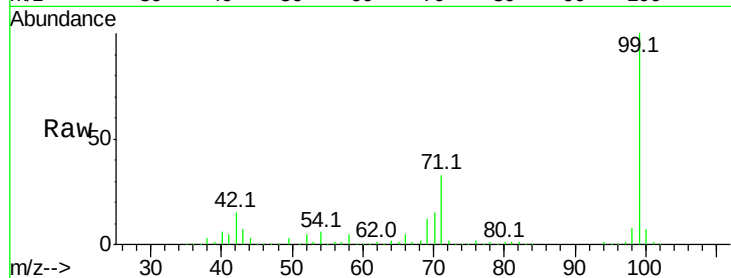
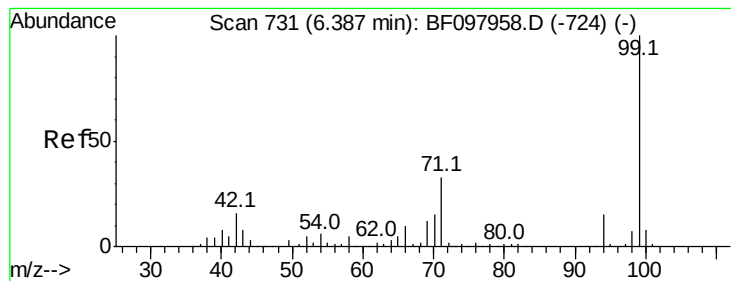
2-Fluorophenol
 Concen: 60.857 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Tgt Ion:112 Resp: 933939
 Ion Ratio Lower Upper
 112 100
 64 55.7 46.0 69.0
 63 28.3 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: 61.790 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPMSD

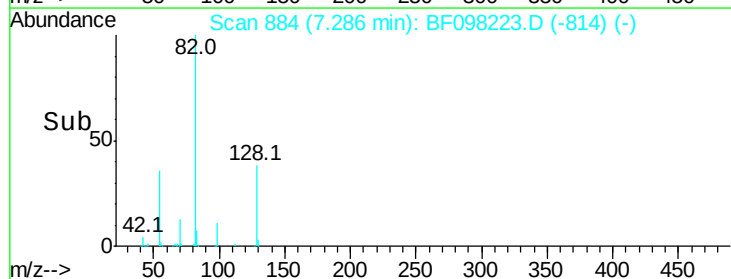
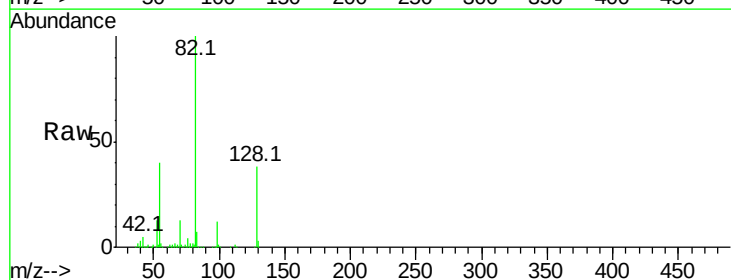
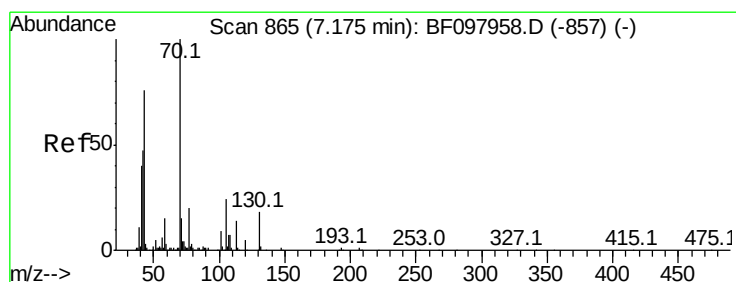
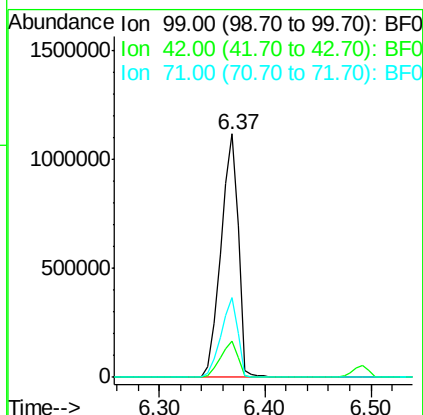
Tot Ion: 99 Resp: 1288415

Ion Ratio Lower Upper

99 100

42 14.7 13.5 20.3

71 32.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 7.510 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Tgt Ion: 70 Resp: 107200

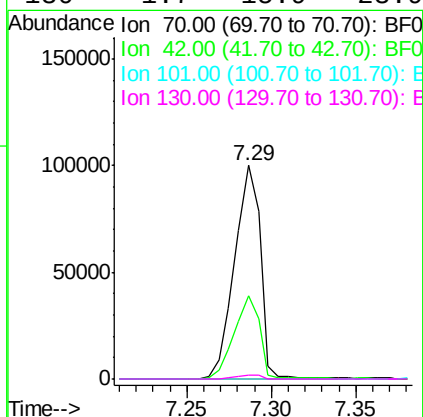
Ion Ratio Lower Upper

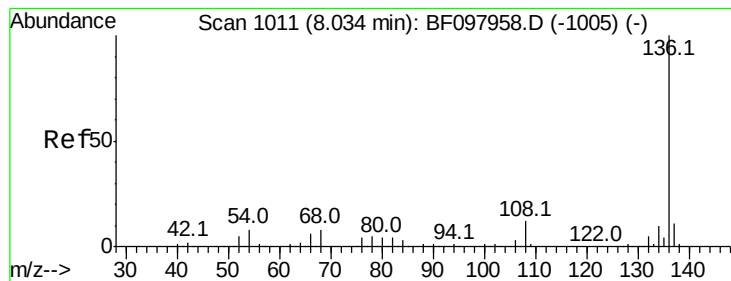
70 100

42 39.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPMSD

Tot Ion:136 Resp: 894782

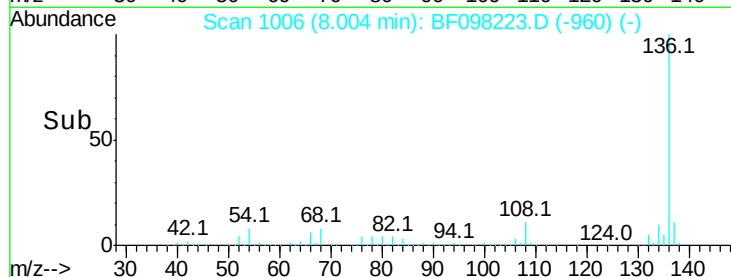
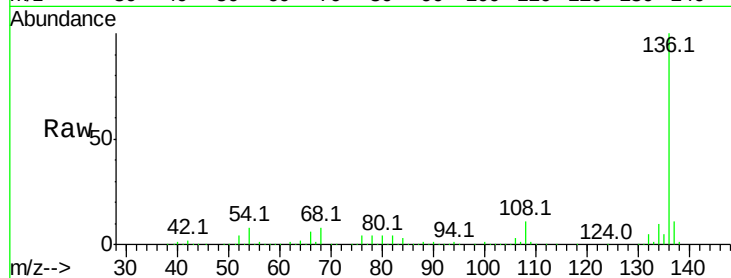
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.8 4.9 7.3#

68 7.8 4.1 6.1#

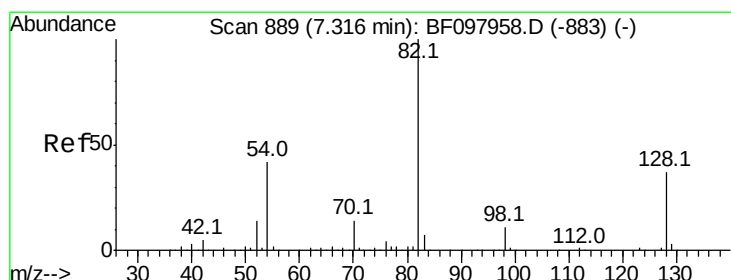
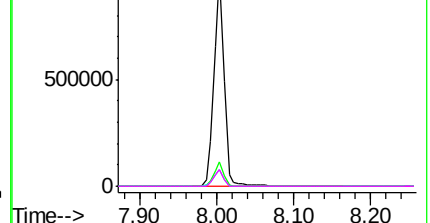


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 49.149 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

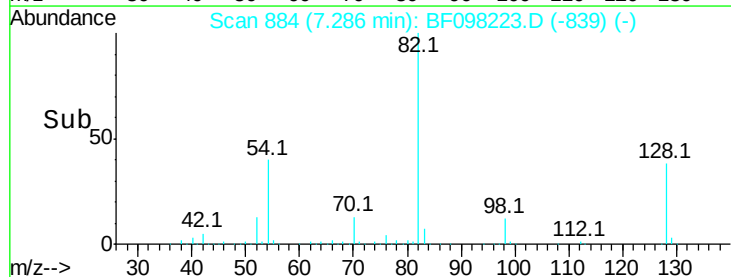
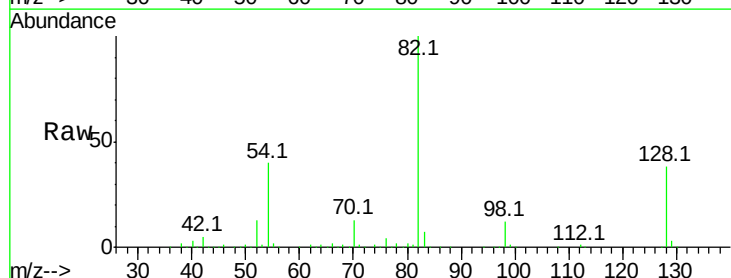
Tgt Ion: 82 Resp: 809535

Ion Ratio Lower Upper

82 100

128 38.5 34.0 51.0

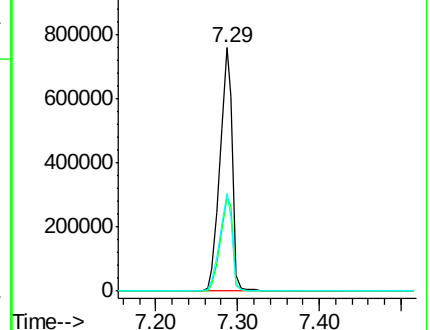
54 40.4 42.2 63.2#

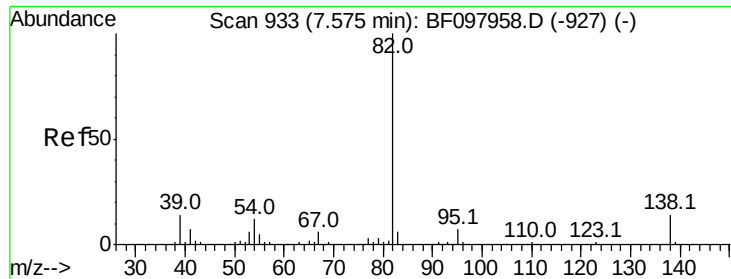


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 23.361 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPMSD

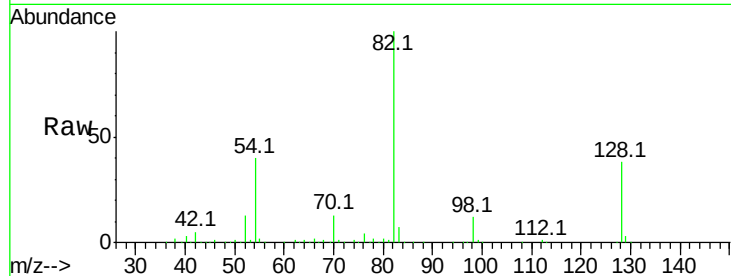
Tot Ion: 82 Resp: 800086

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

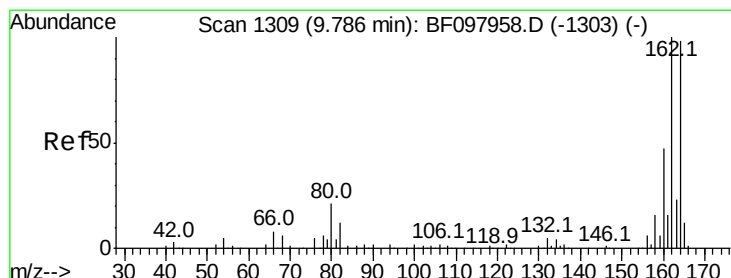
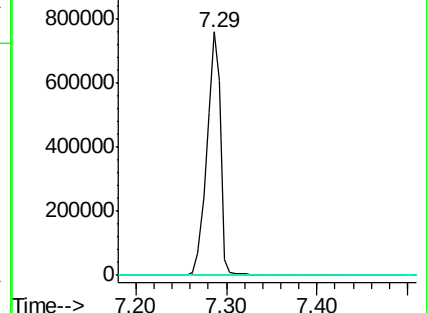
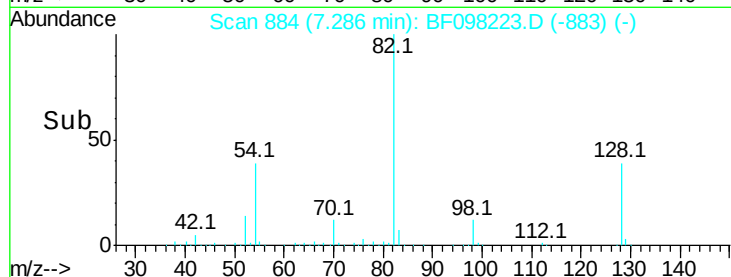
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

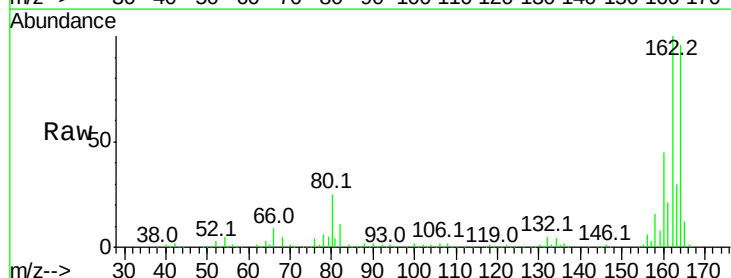
Tgt Ion:164 Resp: 376451

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

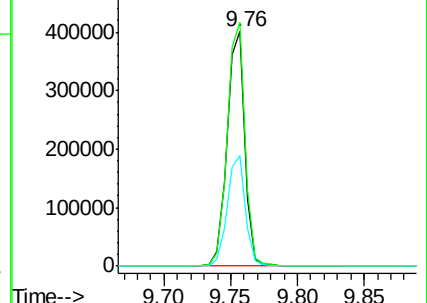
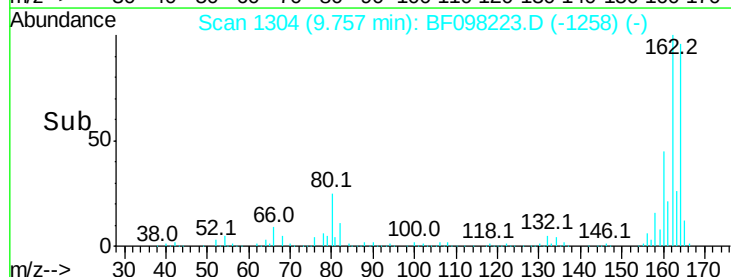
160 47.2 36.2 54.2

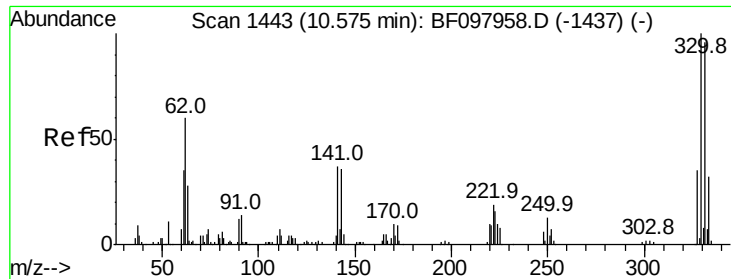


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

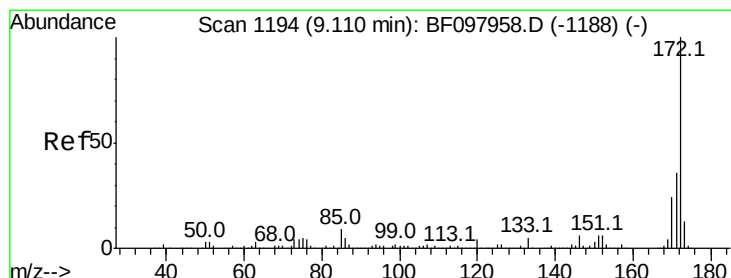
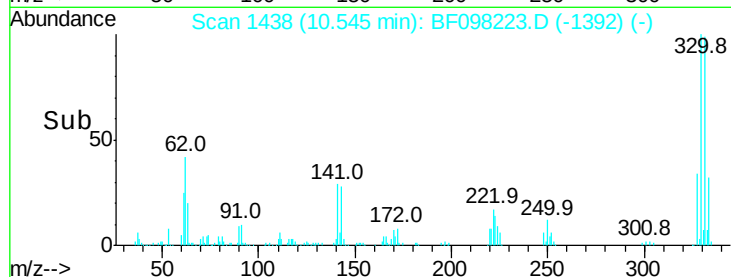
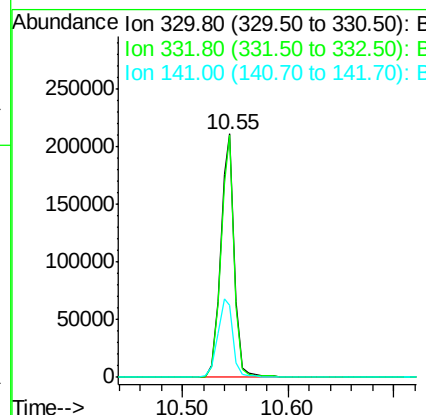
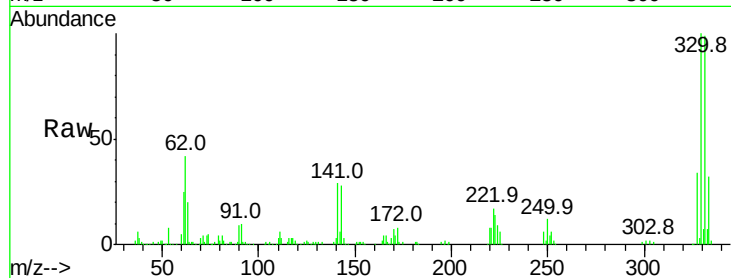




#41
 2,4,6-Tribromophenol
 Concen: 59.420 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

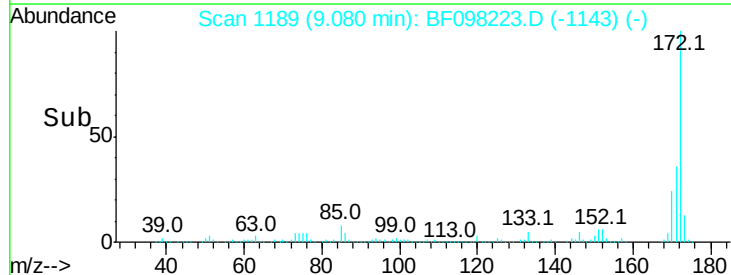
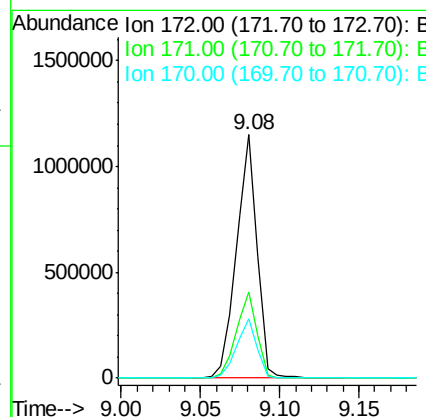
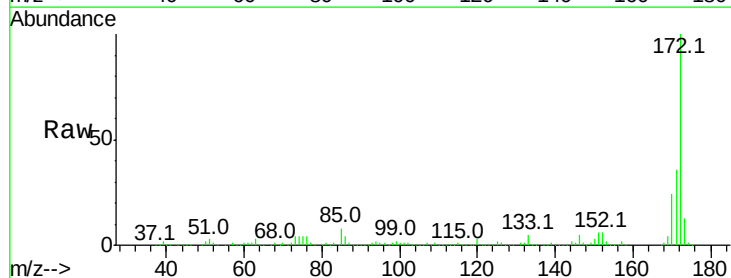
Instrument :
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 ClientSampleId :
 SB-06-COMPMSD

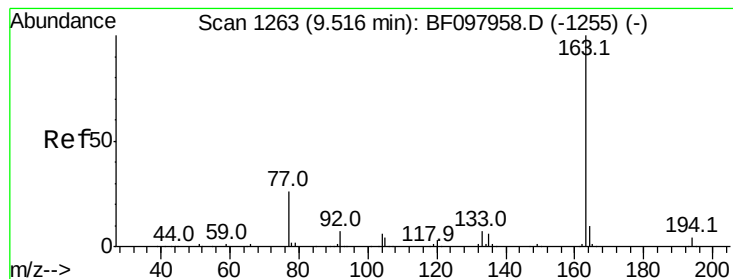
Tot Ion:330 Resp: 194086
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 36.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 40.490 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Tgt Ion:172 Resp: 1037476
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 24.2 19.8 29.8





#49

Dimethylphthalate

Concen: 7.116 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPMSD

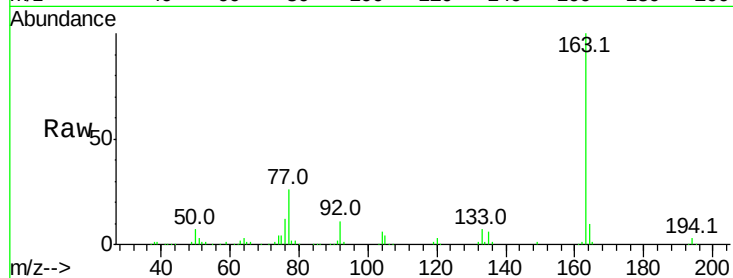
Tot Ion:163 Resp: 195826

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

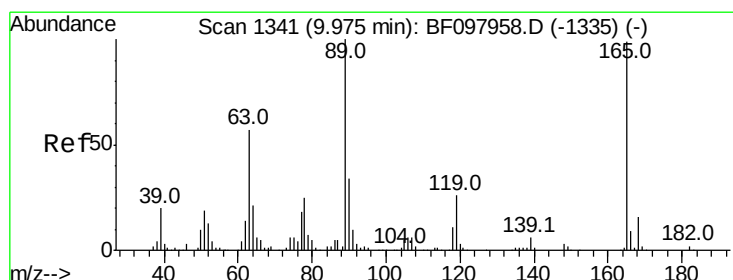
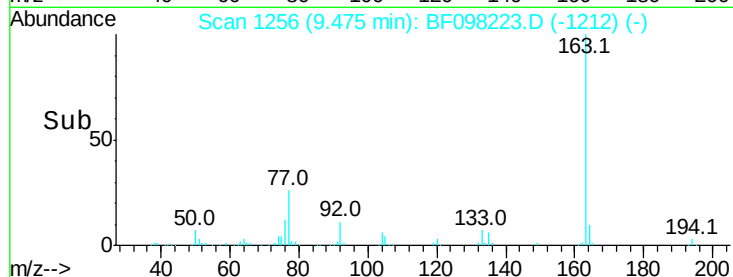
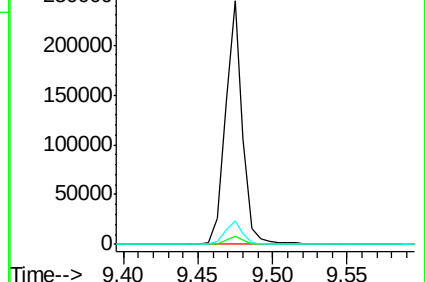
164 9.6 8.4 12.6



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: 7.090 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Tgt Ion:165 Resp: 48876

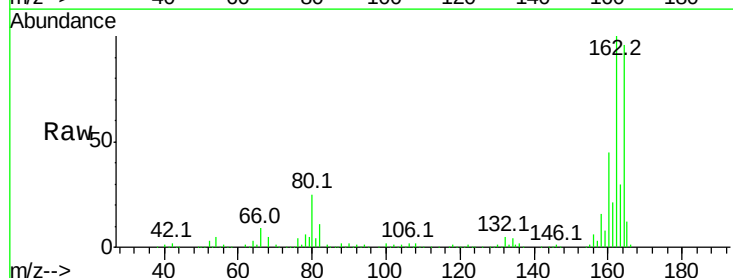
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

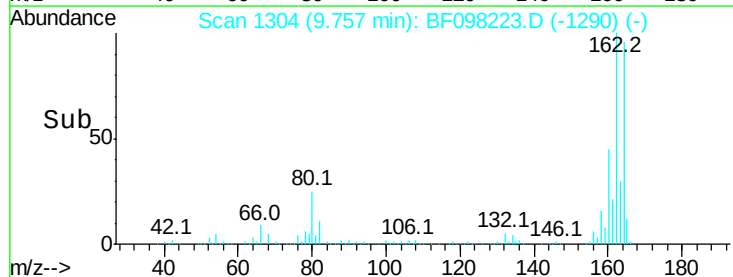
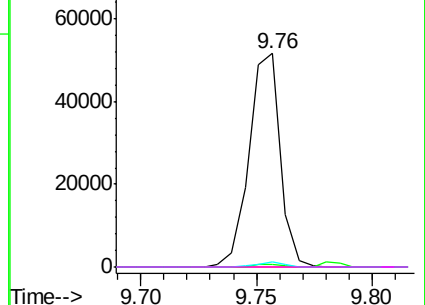


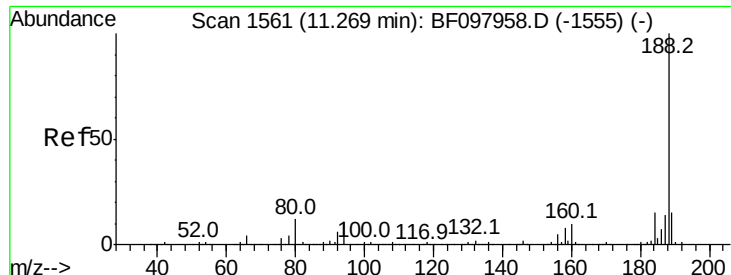
Abundance Ion 165.00 (164.70 to 165.70): E

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

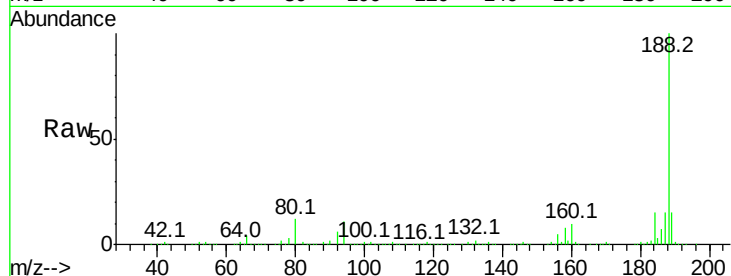




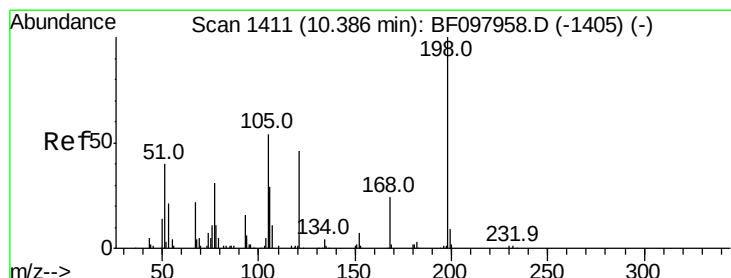
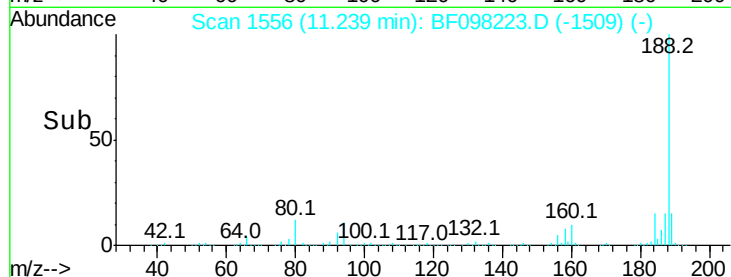
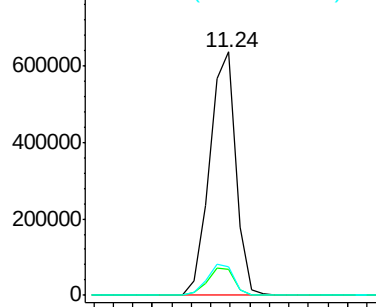
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPMSD

Tot Ion:188 Resp: 594592
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.9 10.2 15.2

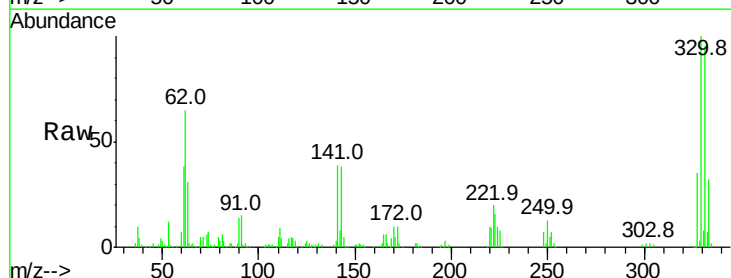


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

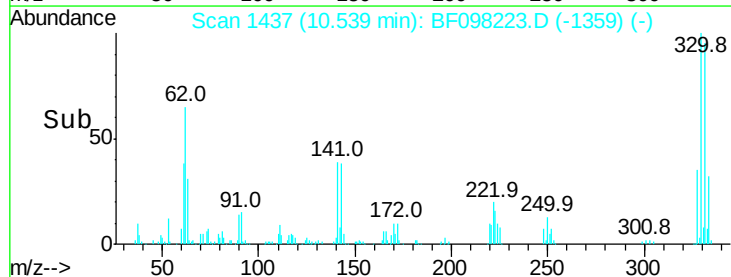
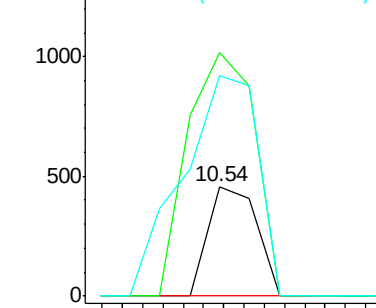


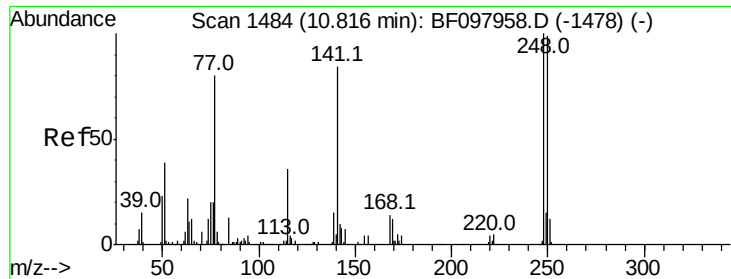
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.411 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.16 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Tgt Ion:198 Resp: 306
 Ion Ratio Lower Upper
 198 100
 51 223.0 53.2 93.2#
 105 202.2 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

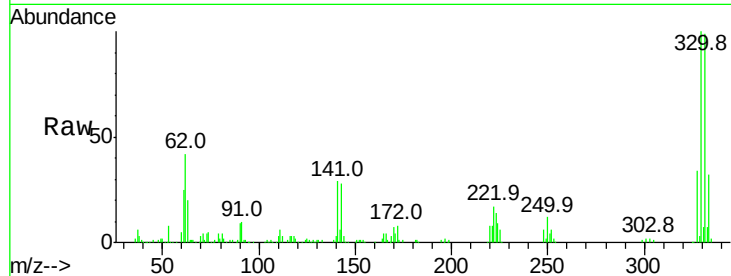




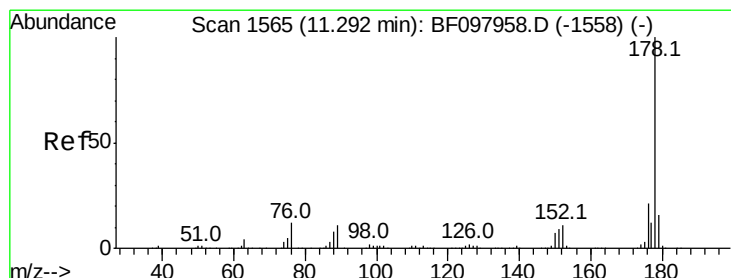
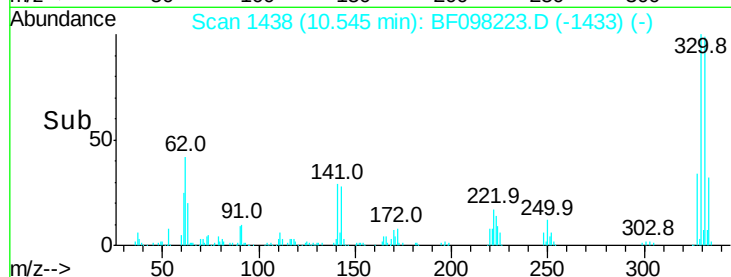
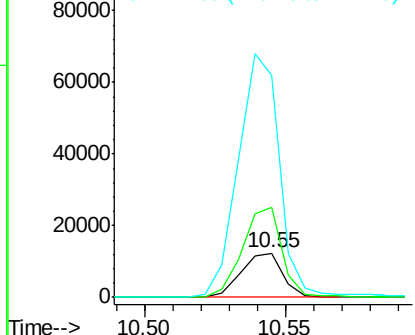
#66
 4-Bromophenyl-phenylether
 Concen: 2.019 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.27 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMPMSD

Tot Ion:248 Resp: 12466
 Ion Ratio Lower Upper
 248 100
 250 204.1 76.8 115.2#
 141 499.3 68.6 103.0#

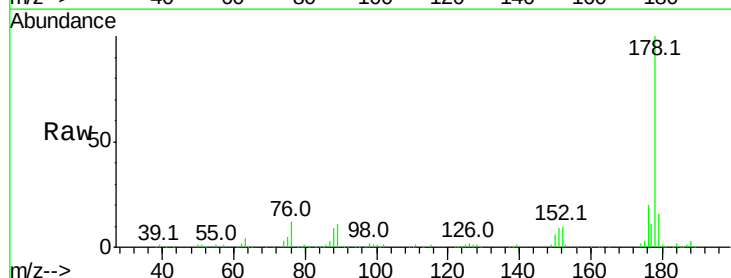


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

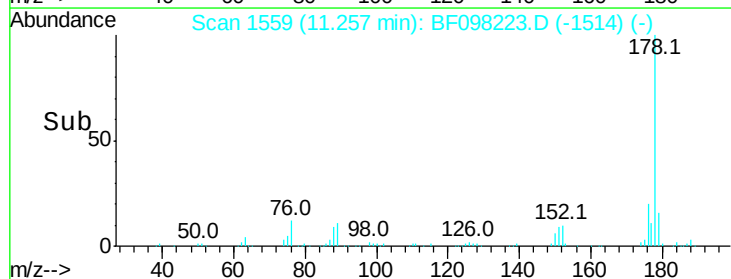
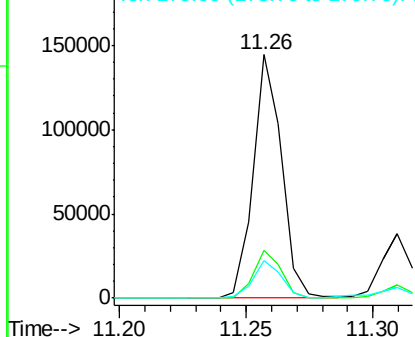


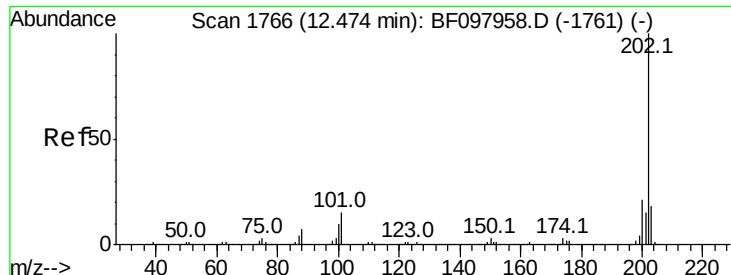
#70
 Phenanthrene
 Concen: 3.549 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.04 min
 Lab File: BF098223.D
 Acq: 1 Sep 2017 13:40

Tgt Ion:178 Resp: 112434
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.5 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: 4.220 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPMSD

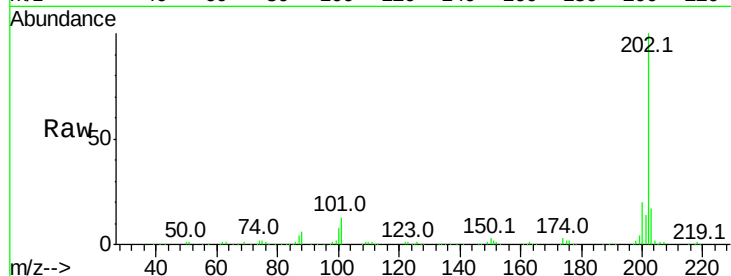
Tot Ion:202 Resp: 139546

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

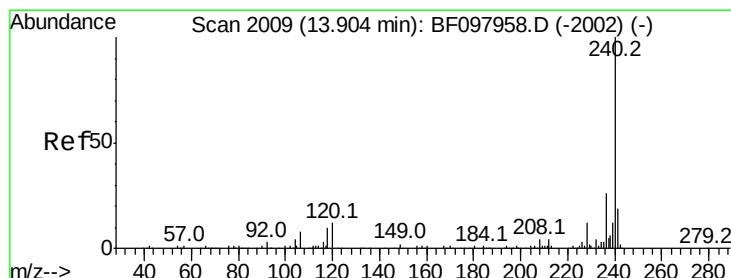
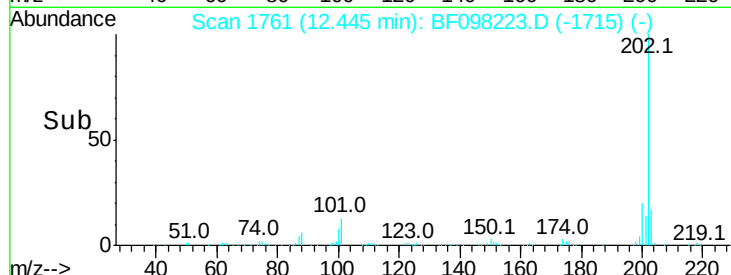
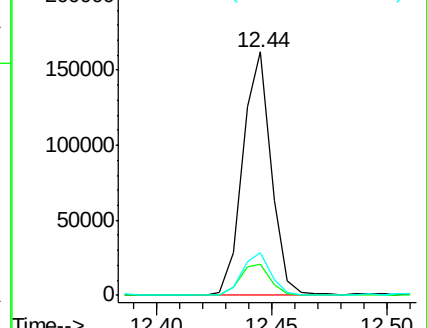
203 17.4 0.0 38.1



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: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

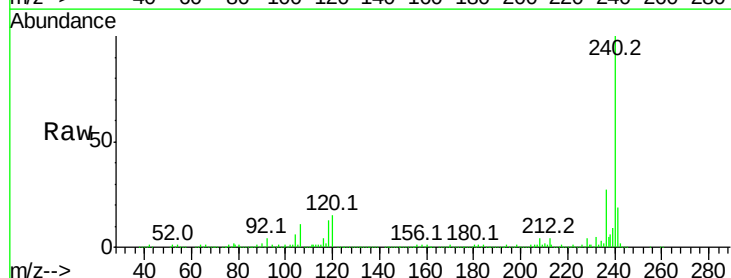
Tgt Ion:240 Resp: 453242

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

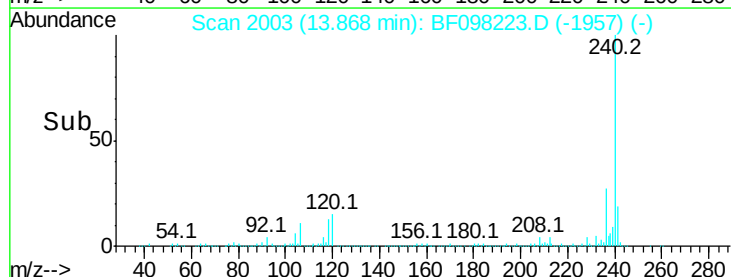
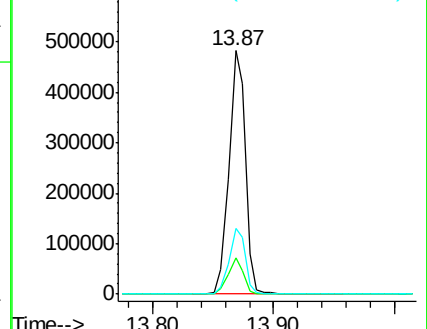
236 26.9 20.5 30.7

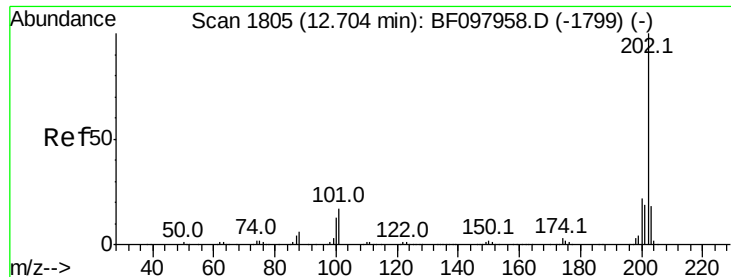


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.668 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.04 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

Instrument :

BNA_F

ClientSampleId :

SB-06-COMPMSD

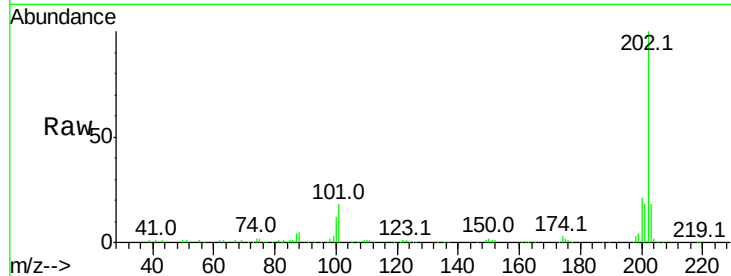
Tot Ion:202 Resp: 135956

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

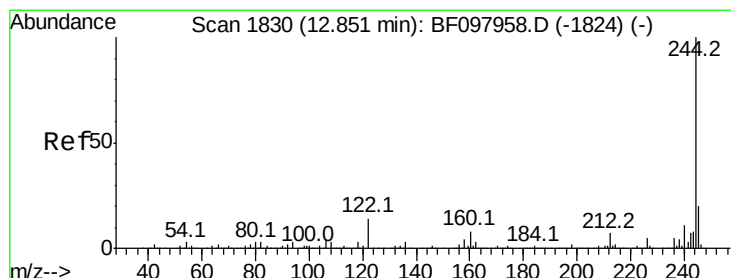
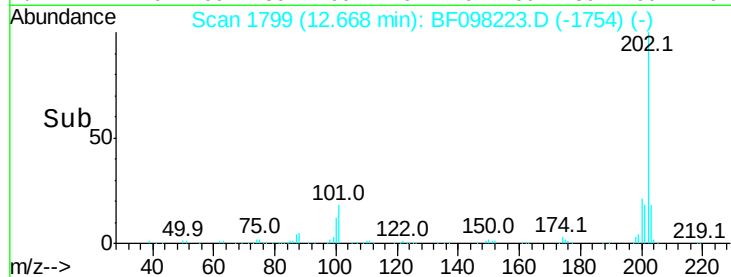
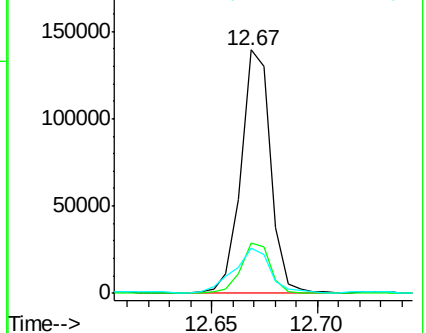
203 18.4 14.4 21.6



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: 29.515 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098223.D

Acq: 1 Sep 2017 13:40

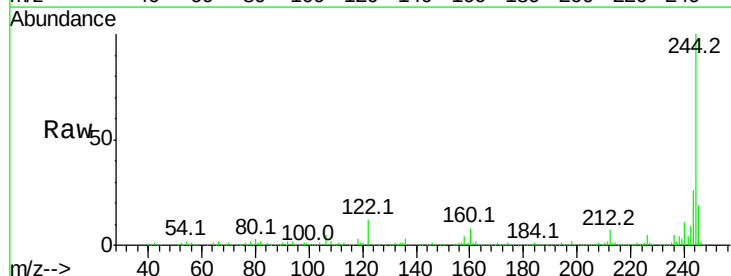
Tgt Ion:244 Resp: 641507

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

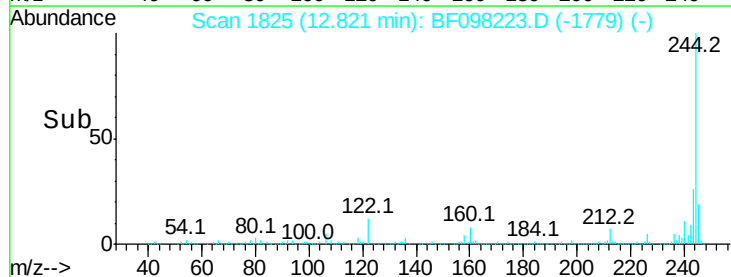
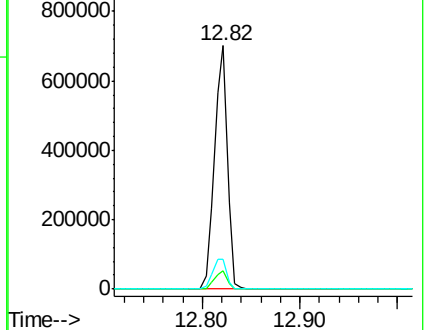
122 12.3 10.3 15.5

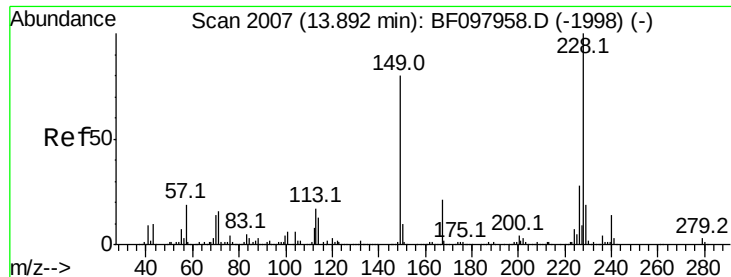


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

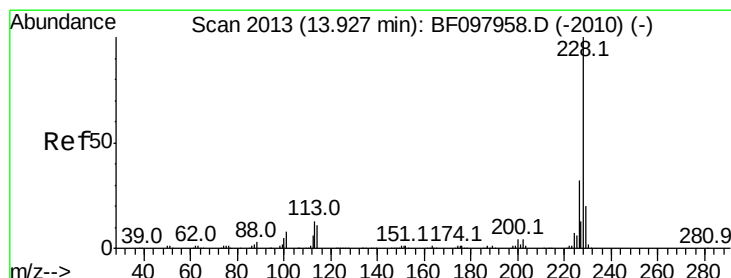
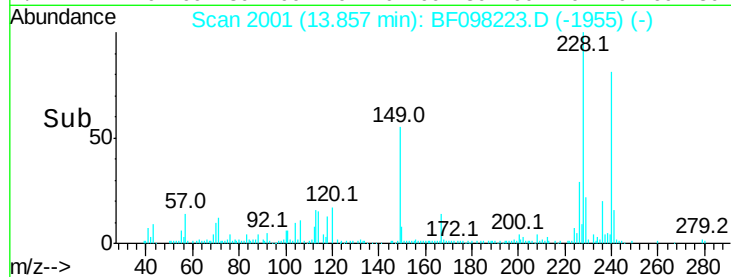
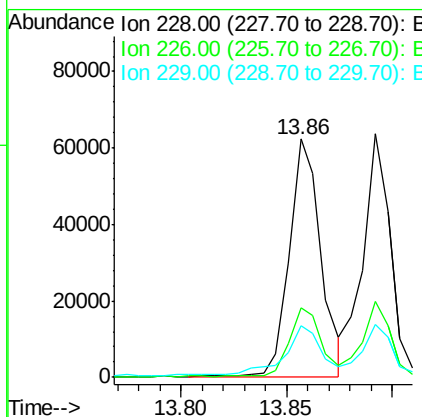
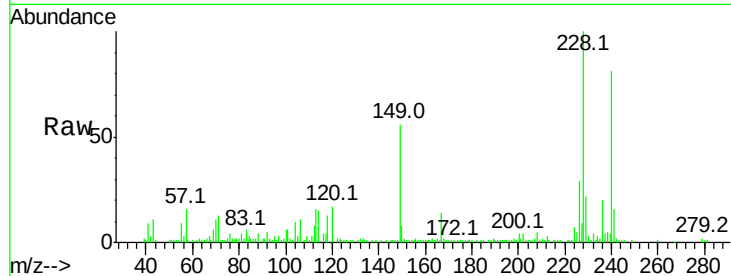




#80
Benzo(a)anthracene
Concen: 2.416 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.03 min
Lab File: BF098223.D
Acq: 1 Sep 2017 13:40

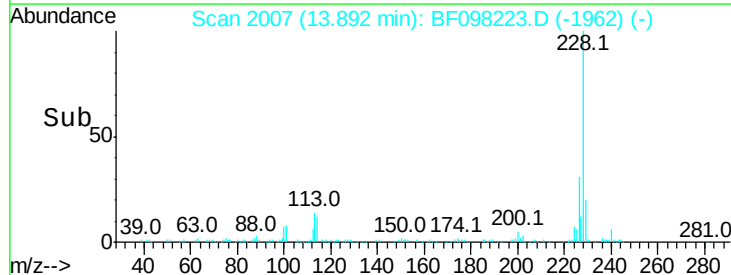
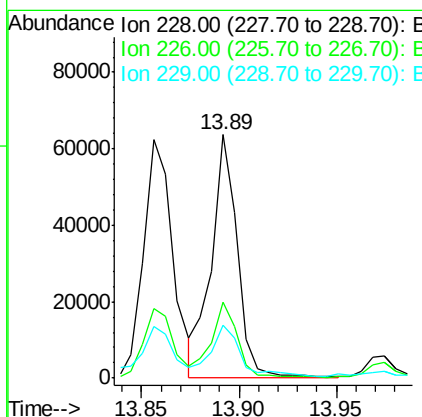
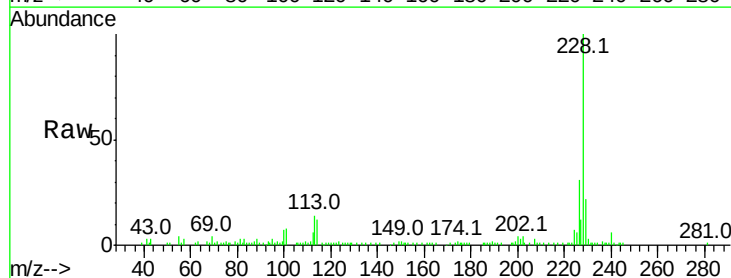
Instrument :
BNA_F
ClientSampleId :
SB-06-COMPMSD

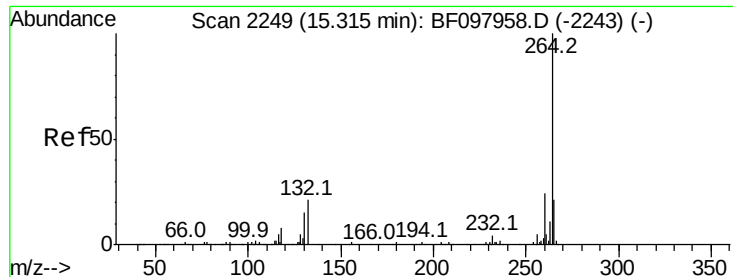
Tot Ion:228 Resp: 65643
Ion Ratio Lower Upper
228 100
226 29.2 22.6 33.8
229 21.6 16.3 24.5



#82
Chrysene
Concen: 2.173 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.04 min
Lab File: BF098223.D
Acq: 1 Sep 2017 13:40

Tgt Ion:228 Resp: 58708
Ion Ratio Lower Upper
228 100
226 31.1 24.9 37.3
229 22.0 15.8 23.6



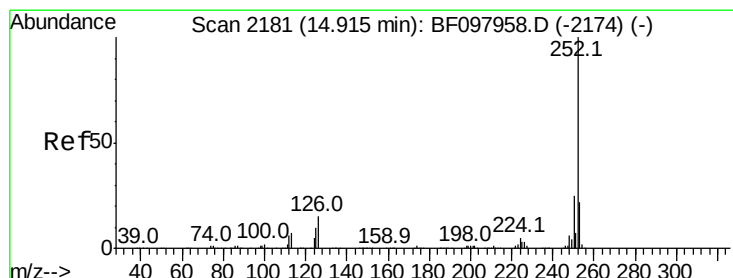
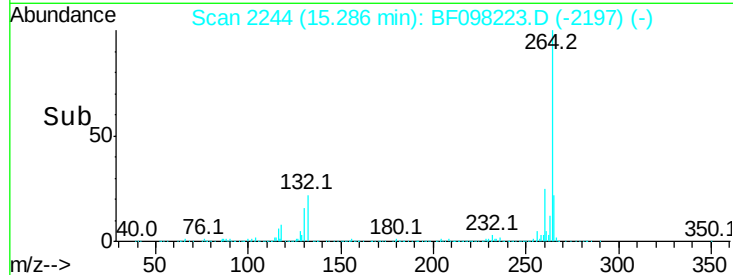
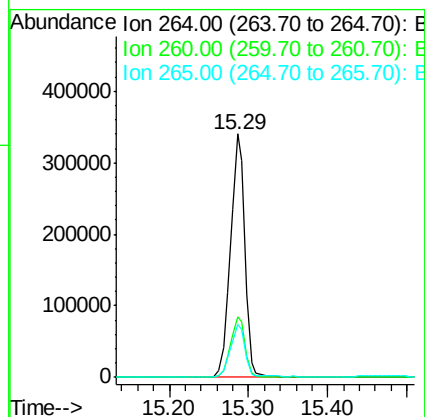
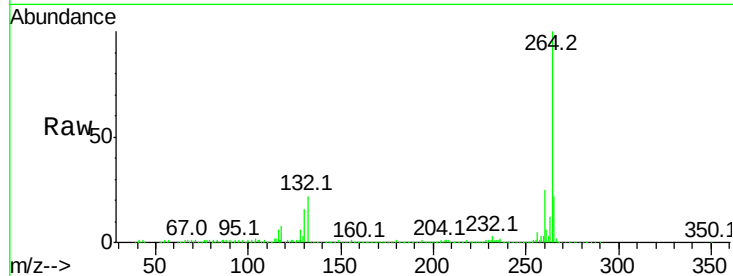


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098223.D
Acq: 1 Sep 2017 13:40

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPMSD

Tot Ion:264 Resp: 428119

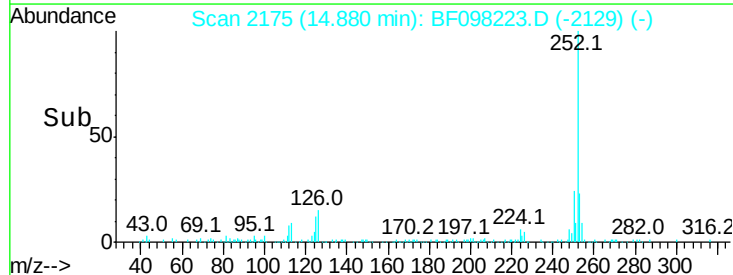
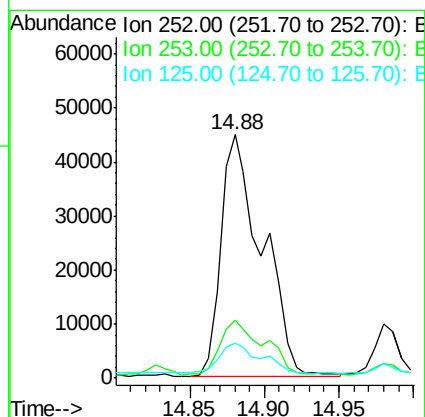
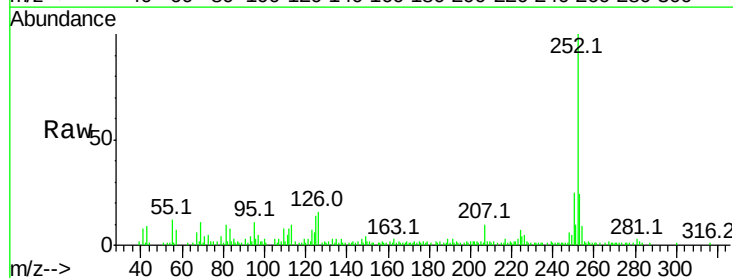
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.9	17.2	25.8

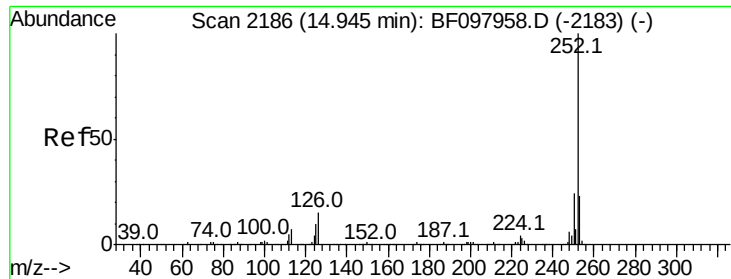


#87
Benzo(b)fluoranthene
Concen: 3.169 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.03 min
Lab File: BF098223.D
Acq: 1 Sep 2017 13:40

Tgt Ion:252 Resp: 85506

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.4	9.8	14.8

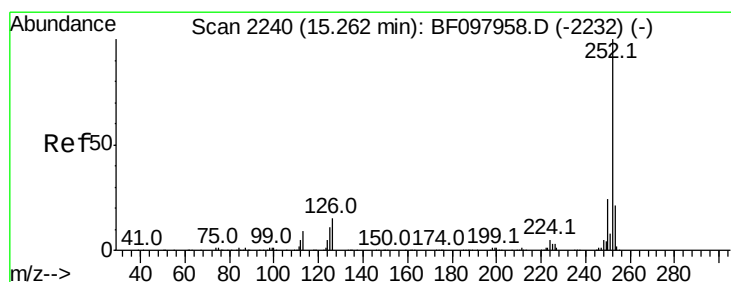
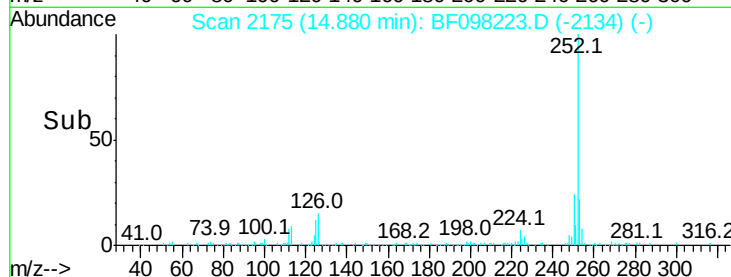
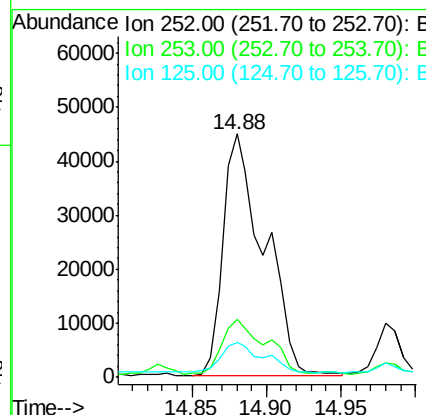
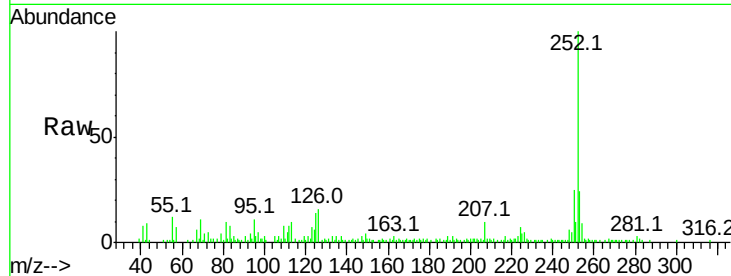




#88
Benzo(k)fluoranthene
Concen: 3.373 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.06 min
Lab File: BF098223.D
Acq: 1 Sep 2017 13:40

Instrument :
BNA_F
ClientSampleId :
SB-06-COMPMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	14.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.056 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF098223.D
Acq: 1 Sep 2017 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.7	11.0	16.4

