

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098976.D
 Acq On : 30 Sep 2017 21:30
 Operator : SJ/JU
 Sample : I5551-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 30 23:29:57 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

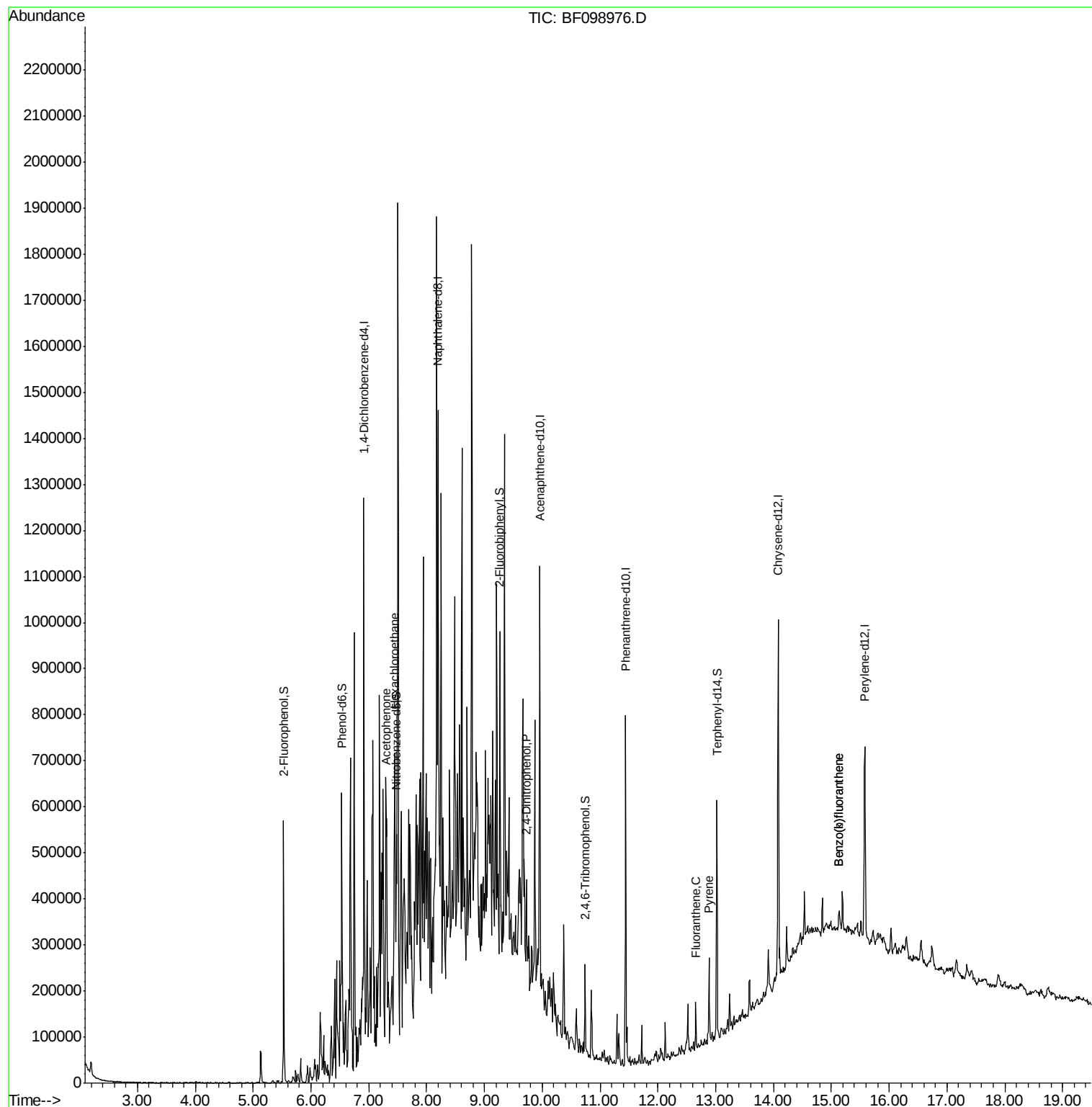
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	124293	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	460676	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	172083	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	261827	20.00	ng	0.00
75) Chrysene-d12	14.08	240	241400	20.00	ng	0.00
86) Perylene-d12	15.58	264	163562	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	150427	19.27	ng	-0.01
7) Phenol-d6	6.53	99	180483	18.74	ng	-0.01
23) Nitrobenzene-d5	7.47	82	103808	14.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	18153	12.89	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	192368	18.66	ng	-0.01
78) Terphenyl-d14	13.02	244	144304	13.59	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.45	117	19679	5.811	ng	# 1
22) Acetophenone	7.30	105	97835	8.765	ng	# 58
53) 2,4-Dinitrophenol	9.73	184	238	5.978	ng	# 1
74) Fluoranthene	12.65	202	39744	2.801	ng	99
77) Pyrene	12.89	202	44084	2.395	ng	97
87) Benzo(b)fluoranthene	15.13	252	22415	2.229	ng	# 57
88) Benzo(k)fluoranthene	15.13	252	22415	2.257	ng	# 61

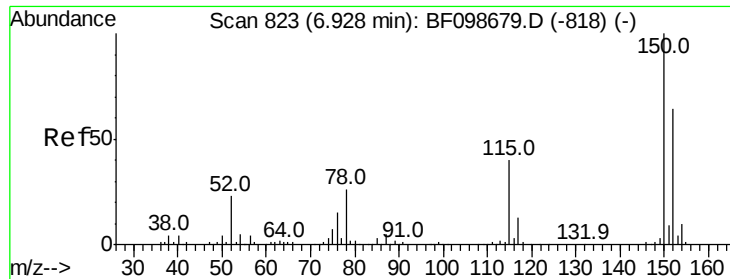
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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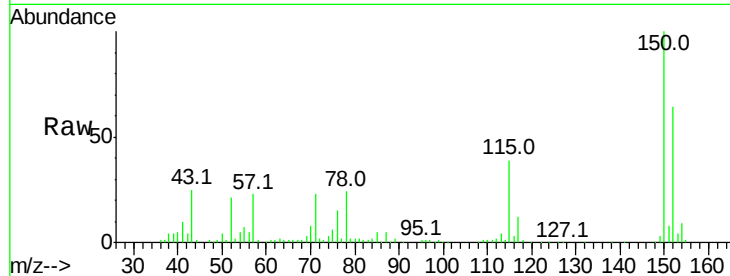


#1

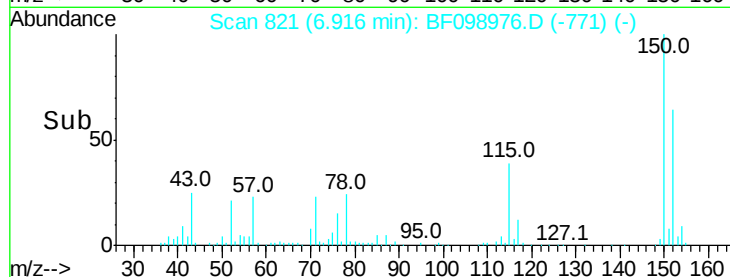
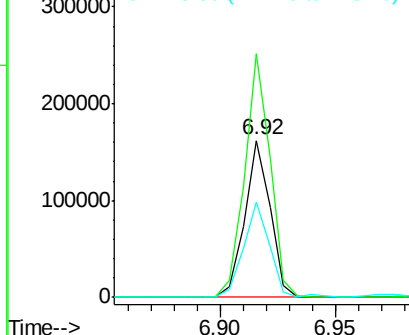
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098976.D
Acq: 30 Sep 2017 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124293
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 61.0 50.1 75.1



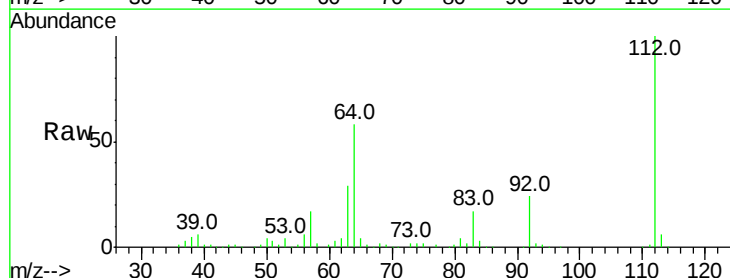
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



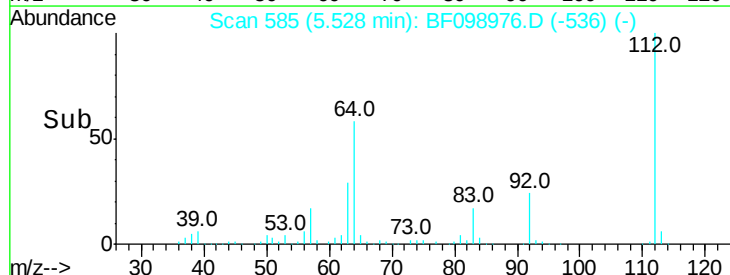
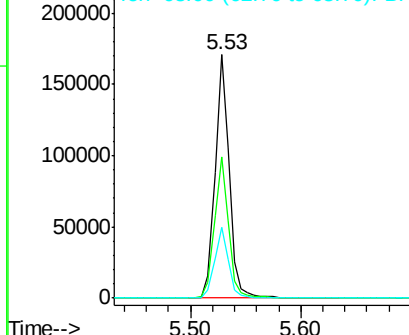
#5

2-Fluorophenol
Concen: 19.266 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098976.D
Acq: 30 Sep 2017 21:30

Tgt Ion:112 Resp: 150427
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 29.2 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: 18.738 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

Instrument :

BNA_F

ClientSampled :

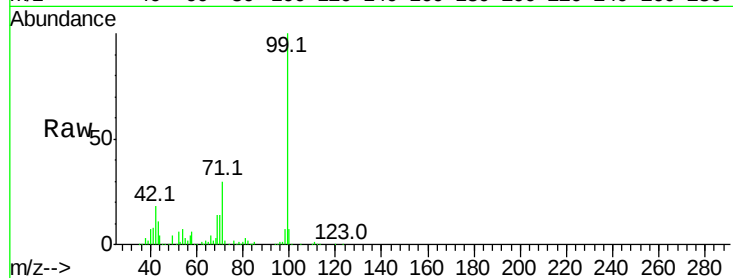
Tot Ion: 99 Resp: 180483

Ion Ratio Lower Upper

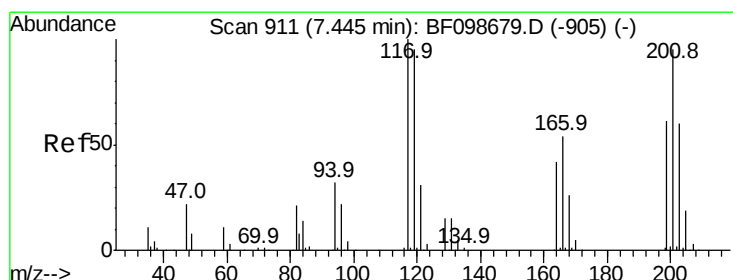
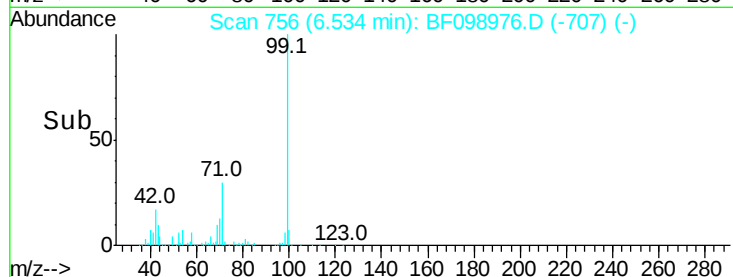
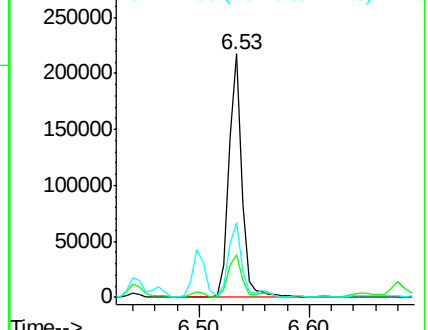
99 100

42 17.7 14.5 21.7

71 30.5 25.4 38.0



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



#18

Hexachloroethane

Concen: 5.811 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

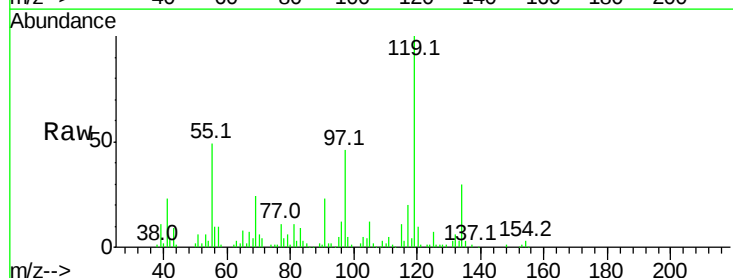
Tgt Ion: 117 Resp: 19679

Ion Ratio Lower Upper

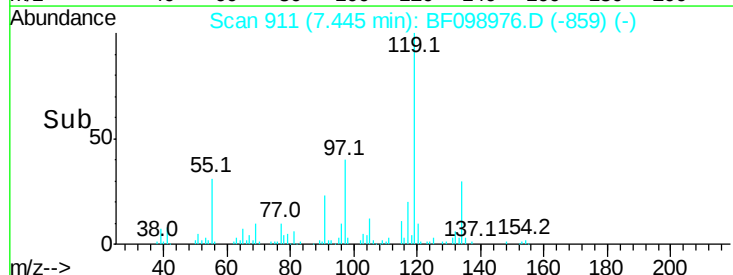
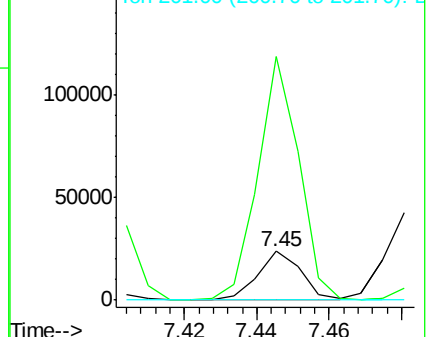
117 100

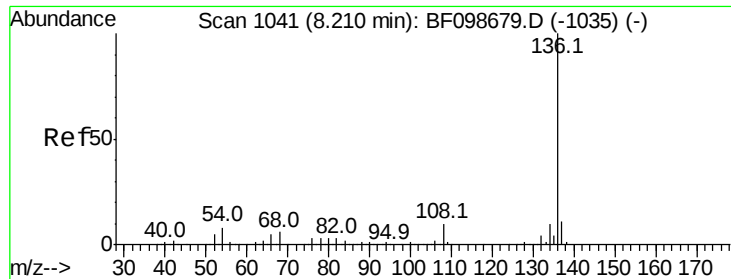
119 499.4 75.8 113.8#

201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 460676

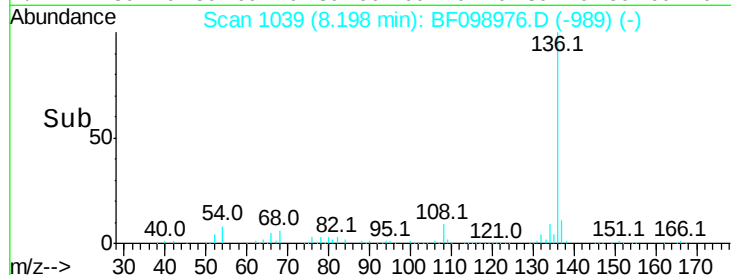
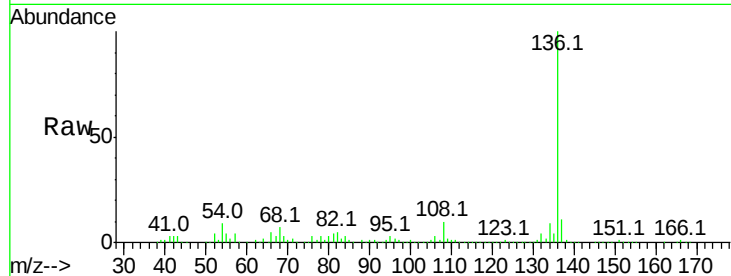
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 6.6 9.8

68 7.0 5.0 7.4

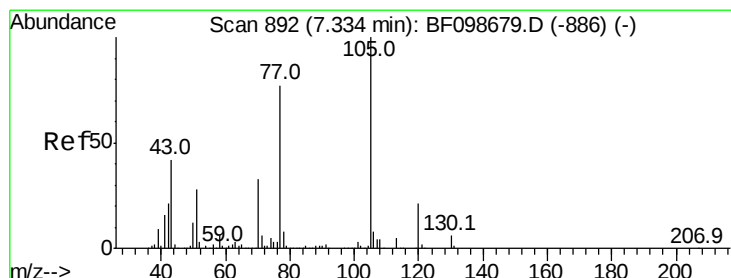
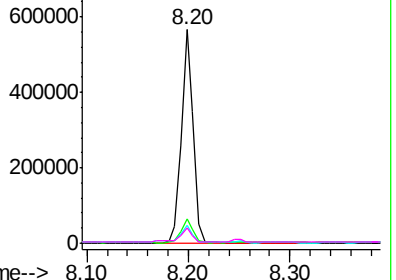


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 8.765 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.03 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

Tgt Ion:105 Resp: 97835

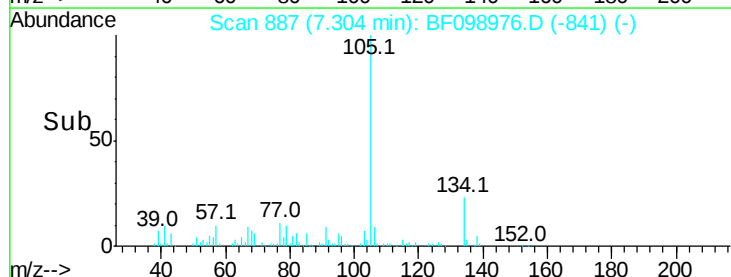
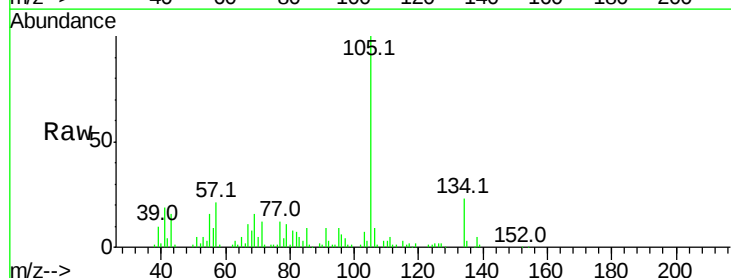
Ion Ratio Lower Upper

105 100

71 12.5 4.4 6.6#

51 4.6 22.3 33.5#

120 0.0 16.9 25.3#

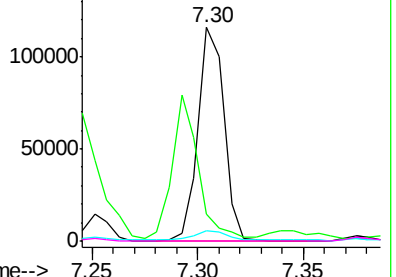


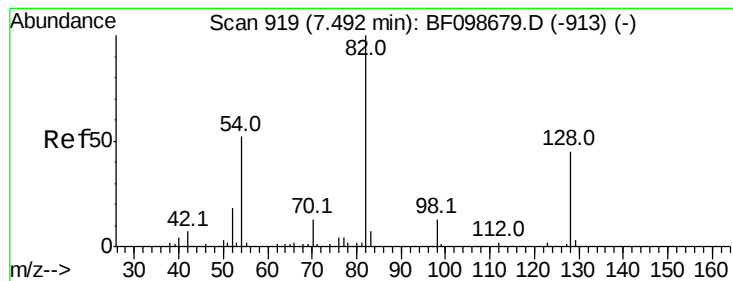
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 14.451 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

Instrument :

BNA_F

ClientSampleId :

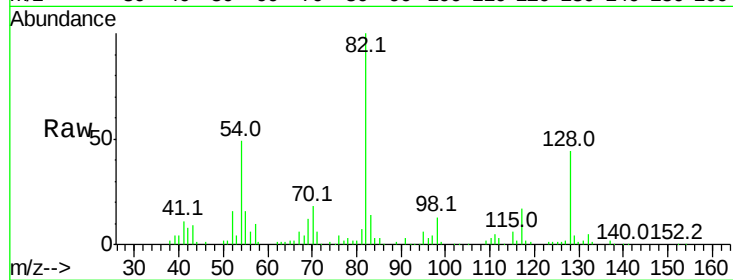
Tot Ion: 82 Resp: 103808

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

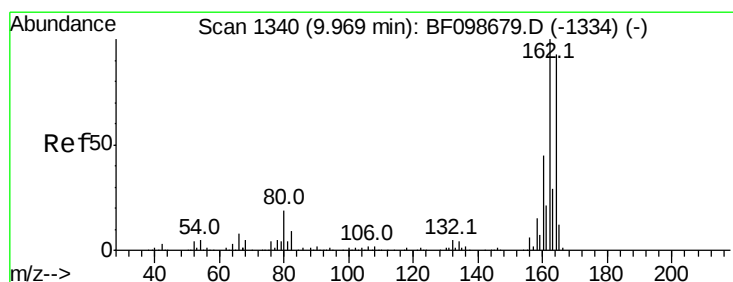
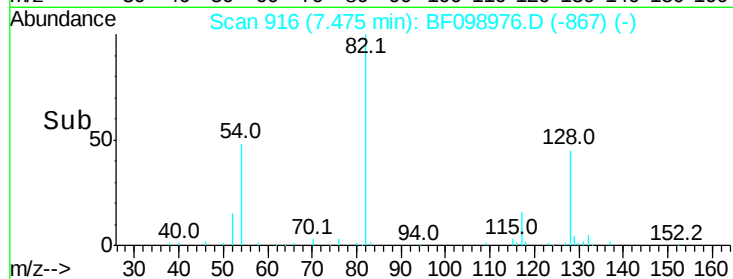
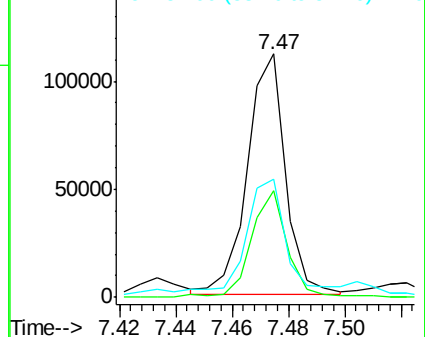
54 48.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

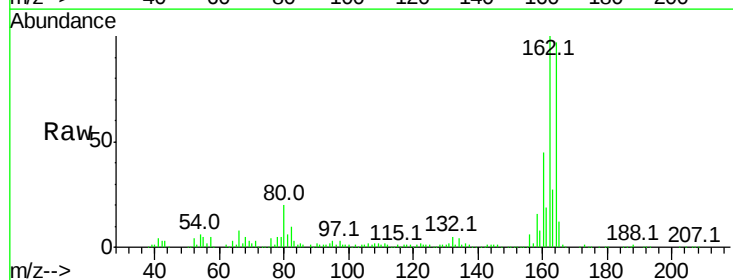
Tgt Ion:164 Resp: 172083

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

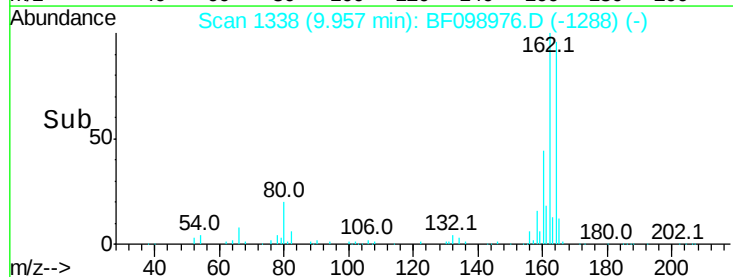
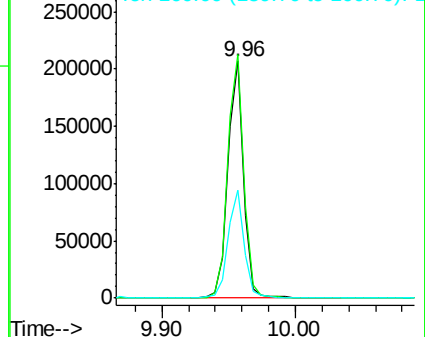
160 45.8 38.3 57.5

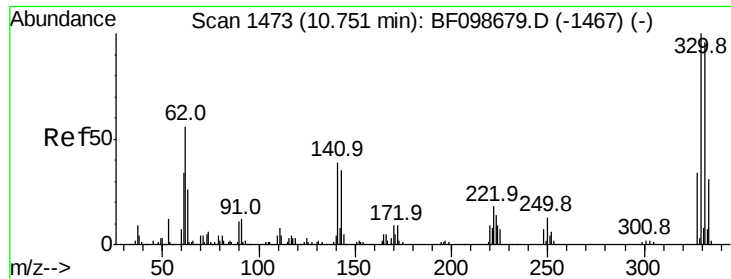


Abundance Ion 164.00 (163.70 to 164.70): B

Ion 162.00 (161.70 to 162.70): B

Ion 160.00 (159.70 to 160.70): B

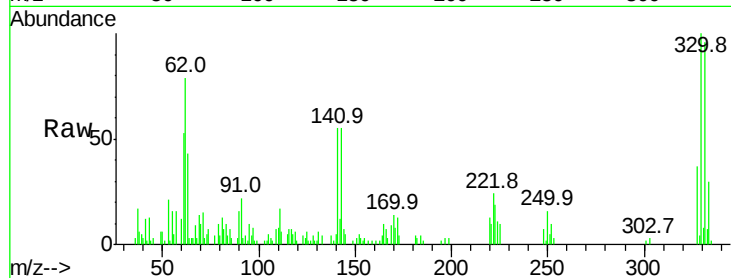




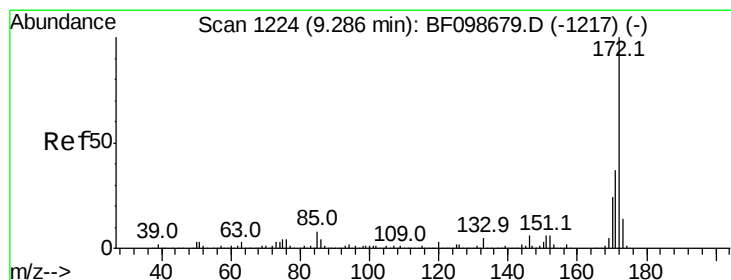
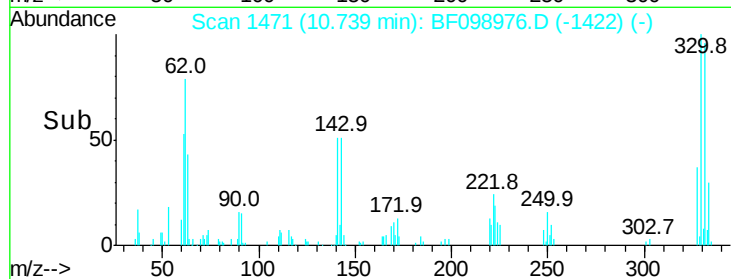
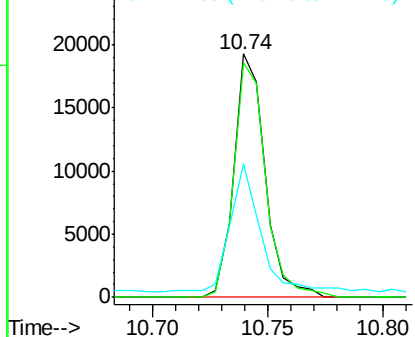
#41
 2,4,6-Tribromophenol
 Concen: 12.892 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098976.D
 Acq: 30 Sep 2017 21:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 18153
 Ion Ratio Lower Upper
 330 100
 332 98.9 77.0 115.6
 141 52.6 29.9 44.9#

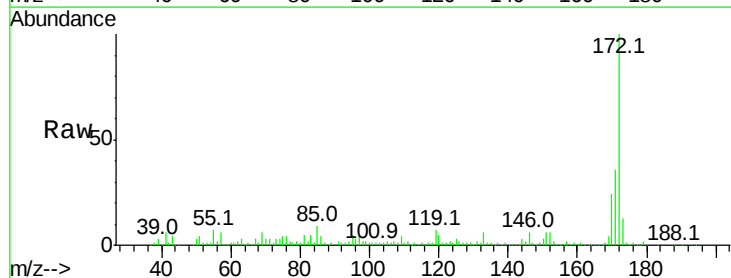


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

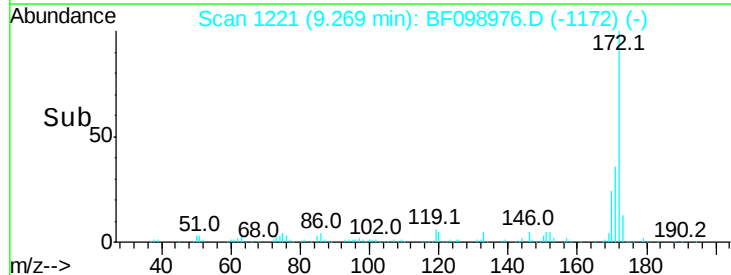
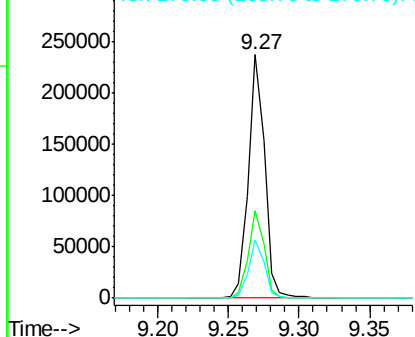


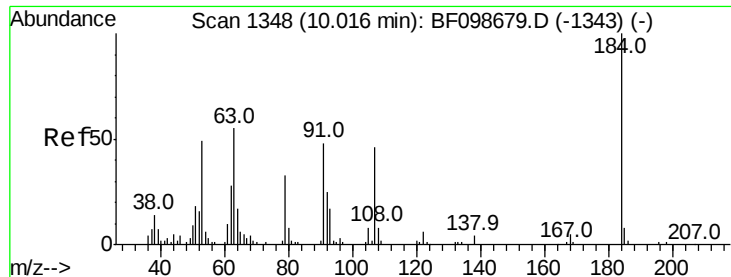
#44
 2-Fluorobiphenyl
 Concen: 18.662 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098976.D
 Acq: 30 Sep 2017 21:30

Tgt Ion:172 Resp: 192368
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.8 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

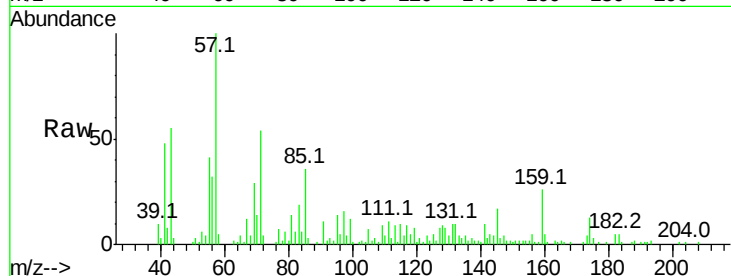




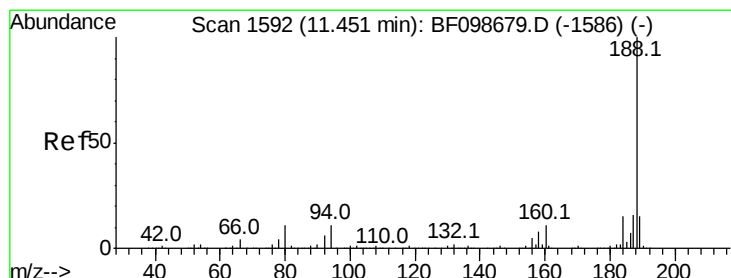
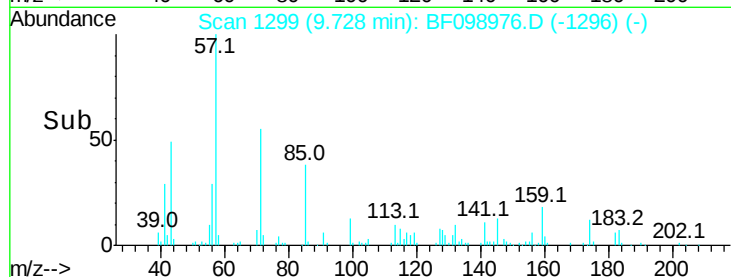
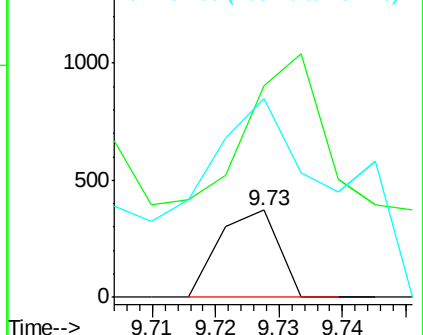
#53
 2,4-Dinitrophenol
 Concen: 5.978 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.28 min
 Lab File: BF098976.D
 Acq: 30 Sep 2017 21:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:184 Resp: 238
 Ion Ratio Lower Upper
 184 100
 63 243.7 54.2 81.2#
 154 229.6 53.5 80.3#

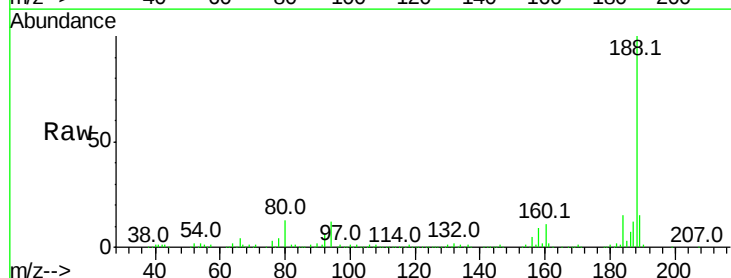


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

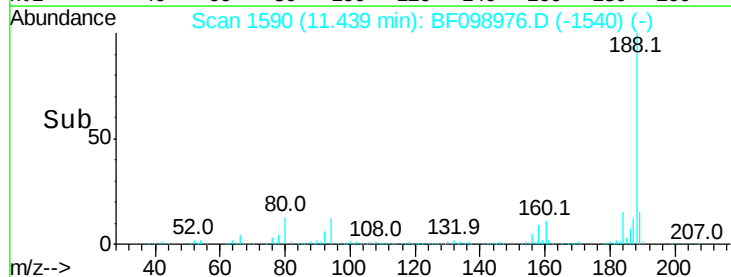
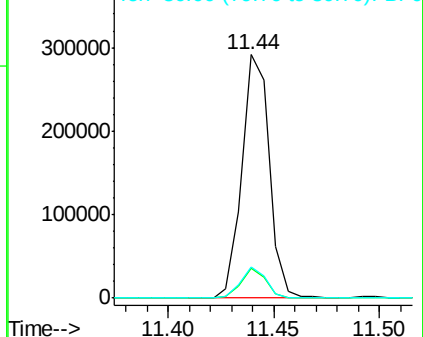


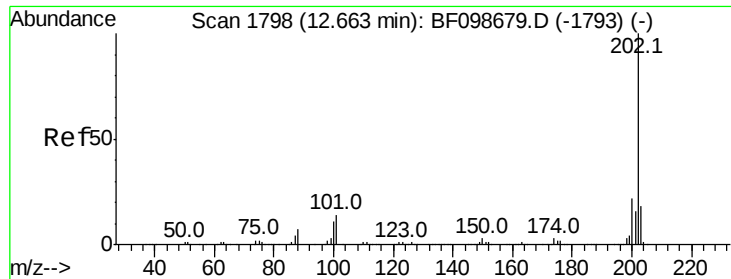
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098976.D
 Acq: 30 Sep 2017 21:30

Tgt Ion:188 Resp: 261827
 Ion Ratio Lower Upper
 188 100
 94 12.1 8.5 12.7
 80 12.7 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

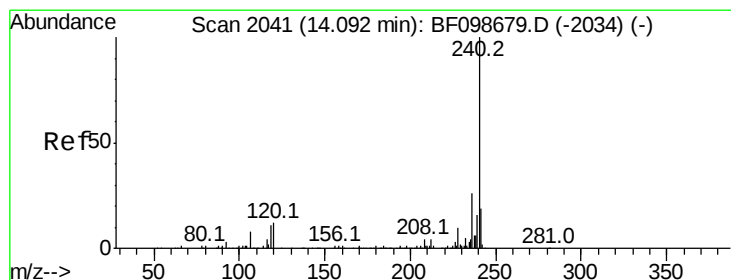
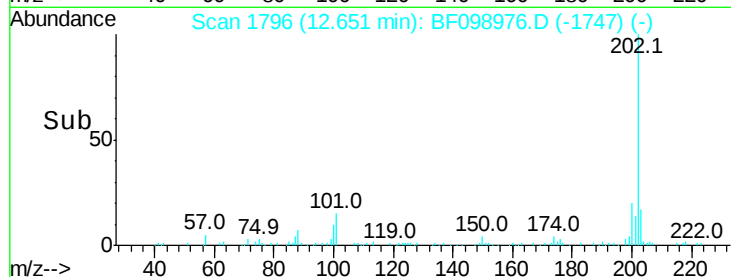
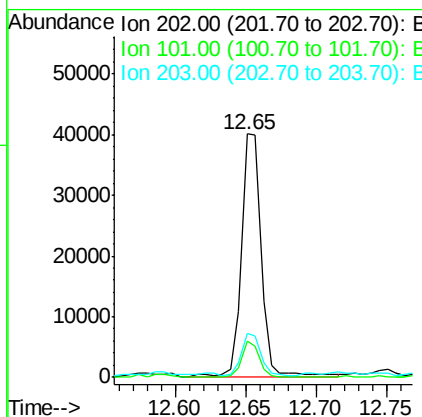
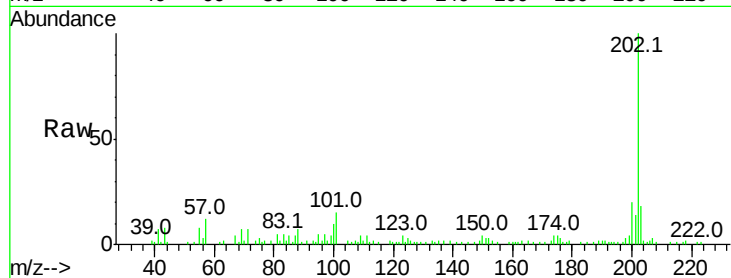




#74
 Fluoranthene
 Concen: 2.801 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF098976.D
 Acq: 30 Sep 2017 21:30

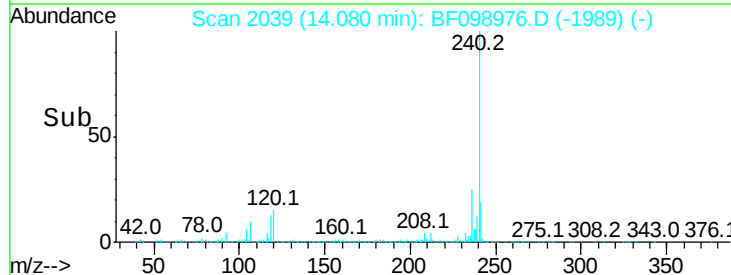
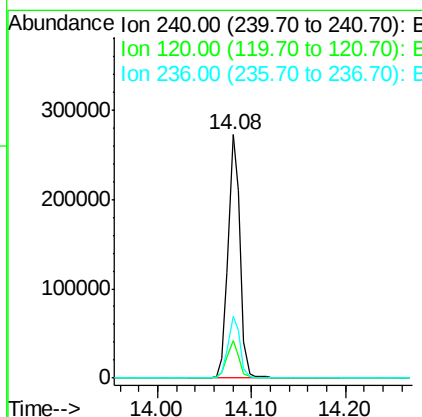
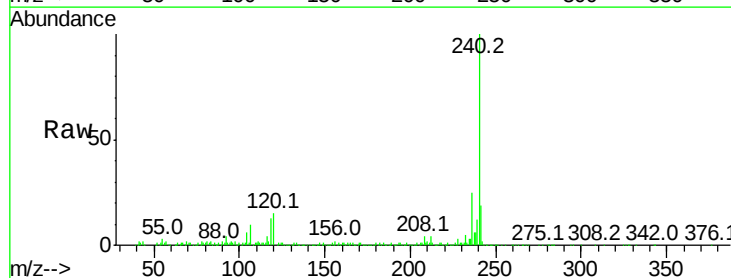
Instrument :
 BNA_F
 ClientSampleId :

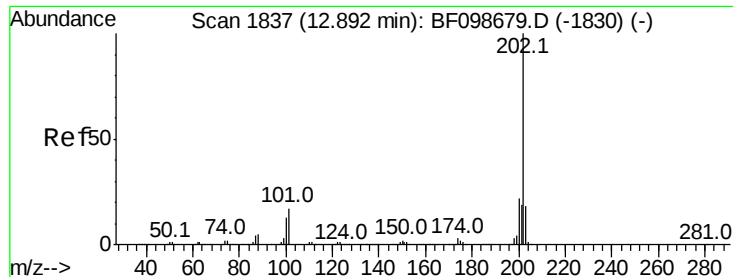
Tot Ion:202 Resp: 39744
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 34.1
 203 17.9 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BF098976.D
 Acq: 30 Sep 2017 21:30

Tgt Ion:240 Resp: 241400
 Ion Ratio Lower Upper
 240 100
 120 15.5 9.5 14.3#
 236 25.2 20.7 31.1





#77

Pvrene

Concen: 2.395 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

Instrument :

BNA_F

ClientSampleId :

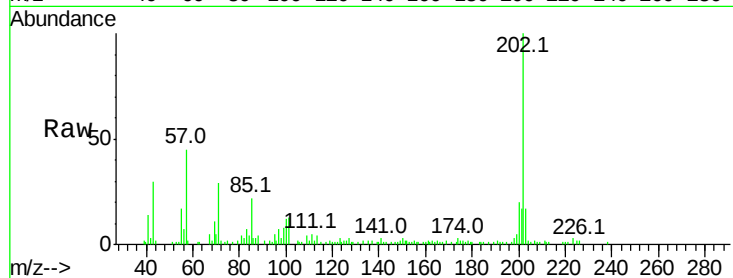
Tot Ion:202 Resp: 44084

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

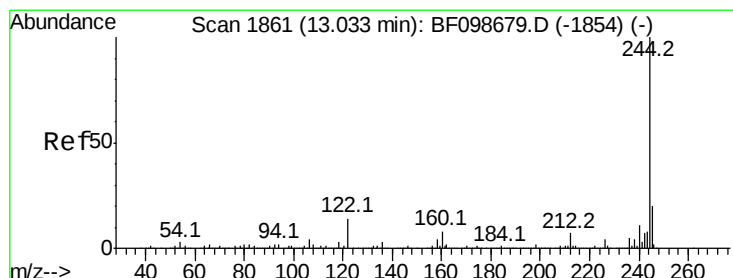
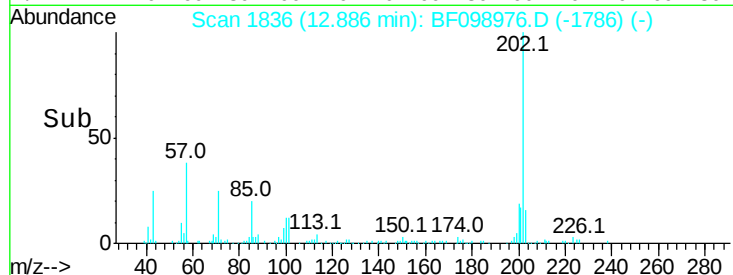
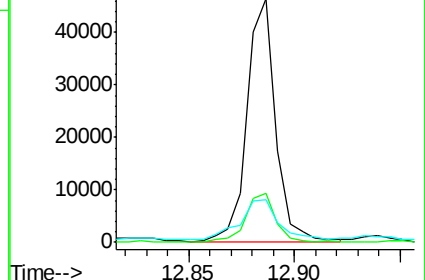
203 17.3 14.3 21.5



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: 13.595 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

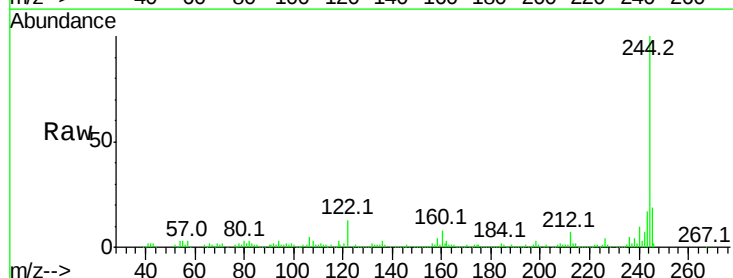
Tgt Ion:244 Resp: 144304

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

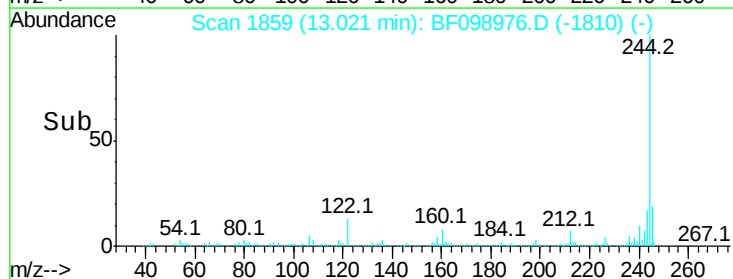
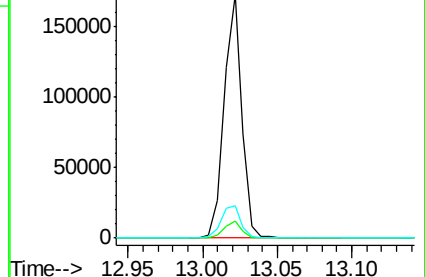
122 13.4 11.0 16.4

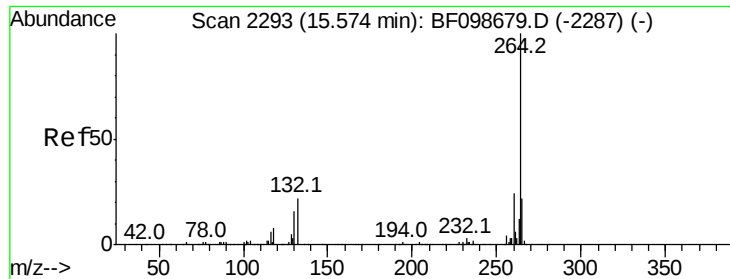


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

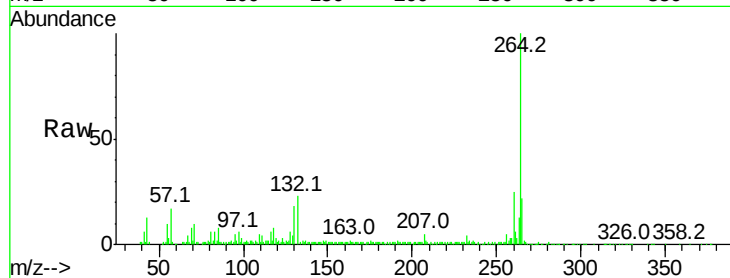




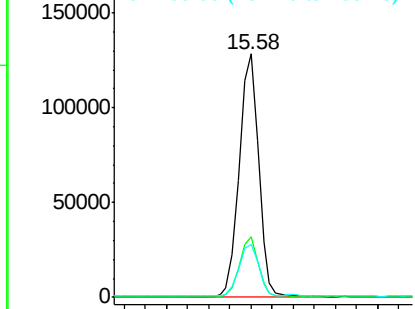
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098976.D
Acq: 30 Sep 2017 21:30

Instrument :
BNA_F
ClientSampleId :

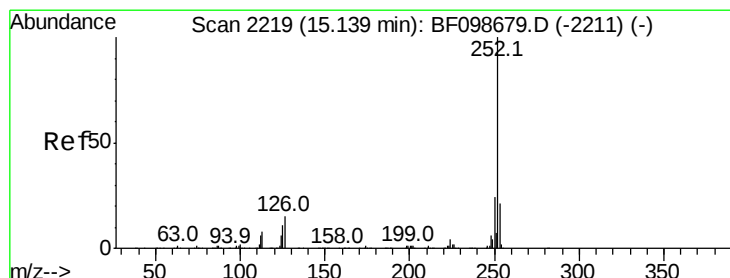
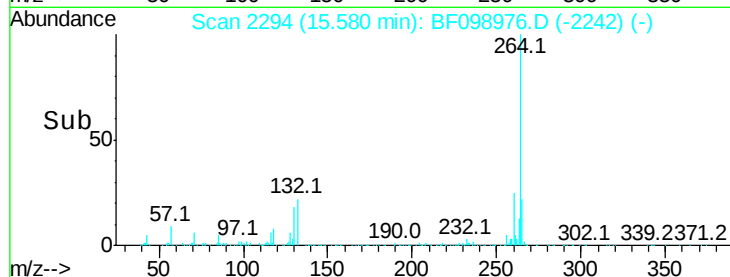
Tot Ion:264 Resp: 163562
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 21.7 17.5 26.3



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

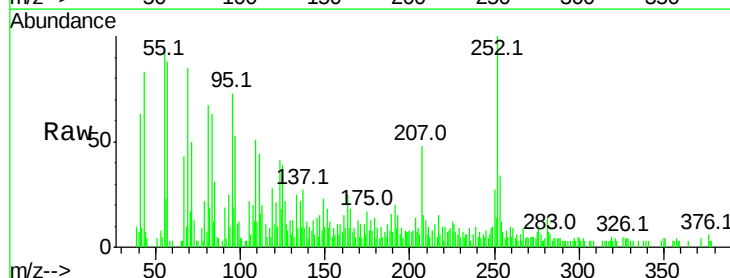


Time-->

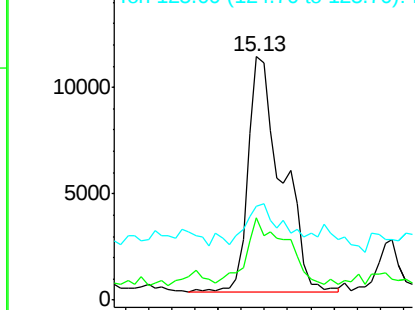


#87
Benzo(b)fluoranthene
Concen: 2.229 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098976.D
Acq: 30 Sep 2017 21:30

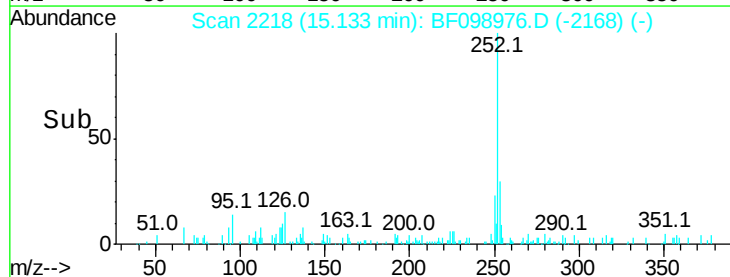
Tgt Ion:252 Resp: 22415
Ion Ratio Lower Upper
252 100
253 34.0 17.0 25.6#
125 38.7 9.0 13.6#

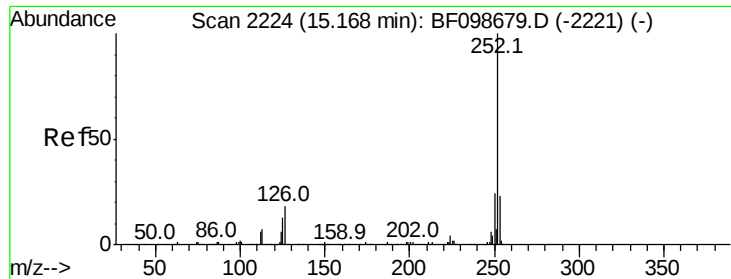


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(k)fluoranthene

Concen: 2.257 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF098976.D

Acq: 30 Sep 2017 21:30

Instrument :

BNA_F

ClientSampleId :

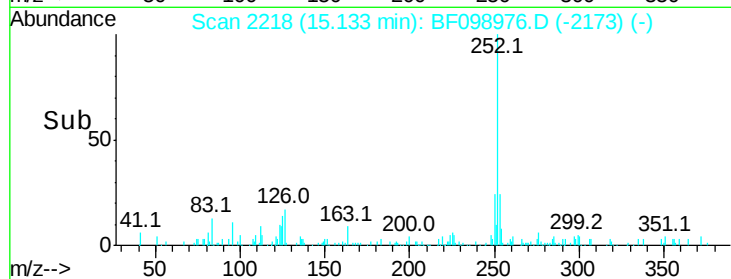
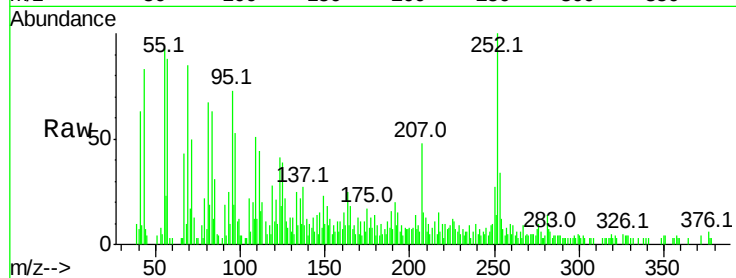
Tot Ion:252 Resp: 22415

Ion Ratio Lower Upper

252 100

253 34.0 17.9 26.9#

125 38.7 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

