

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101875.D
 Acq On : 3 Jan 2018 22:05
 Operator : SJ/JU
 Sample : J1004-14 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 00:14:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	103321	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	352129	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	132761	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	260292	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	259164	20.00	ng	-0.02
86) Perylene-d12	15.42	264	196192	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	130087	18.75	ng	0.01
7) Phenol-d6	6.45	99	162421	18.82	ng	0.01
23) Nitrobenzene-d5	7.36	82	83550	13.21	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	23248	18.17	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	132039	15.43	ng	-0.01
78) Terphenyl-d14	12.88	244	131183	12.20	ng	-0.02

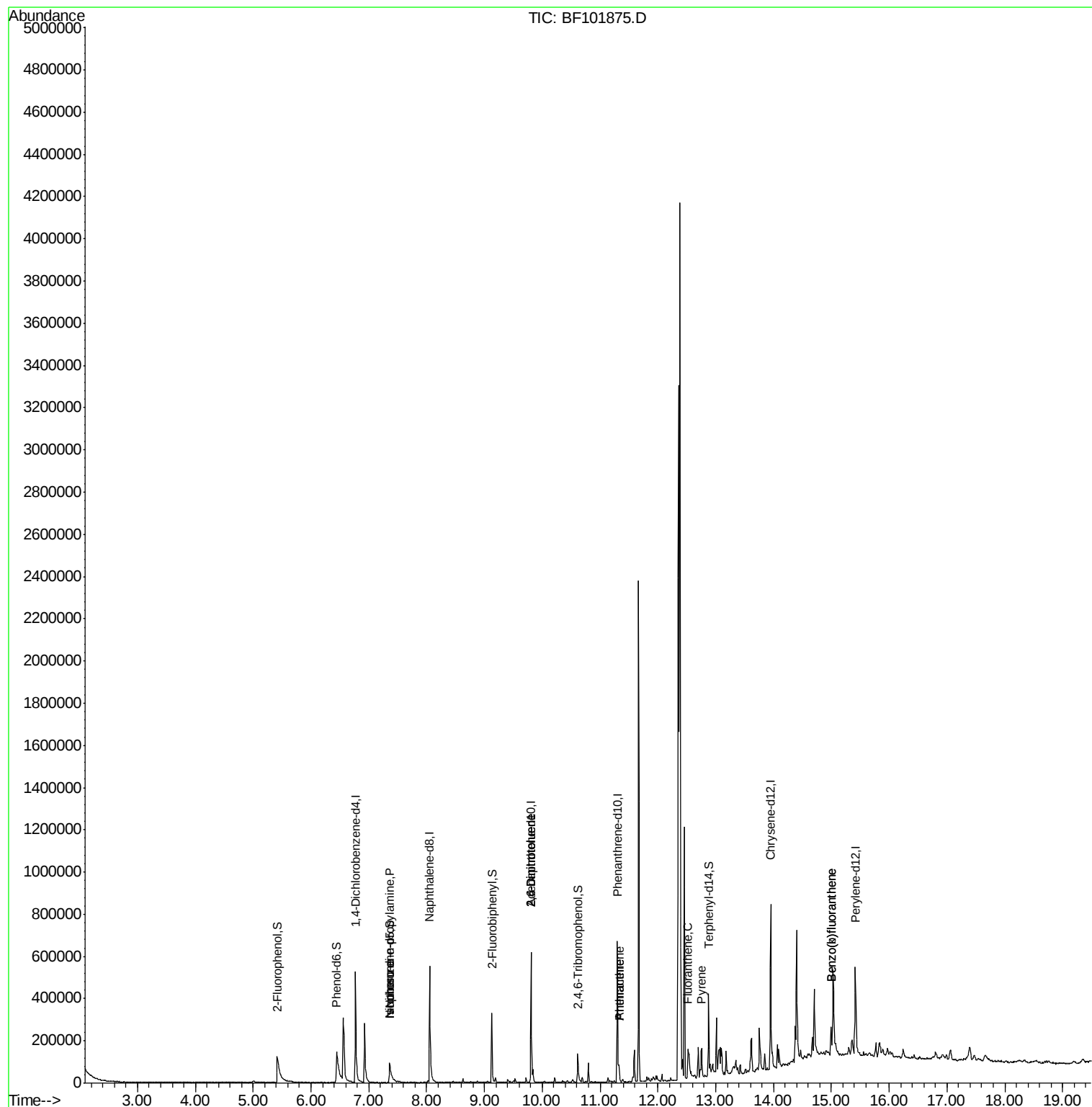
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	11684	2.061	ng	# 81
25) Isophorone	7.36	82	83550	6.584	ng	# 64
50) 2,6-Dinitrotoluene	9.80	165	16478	7.592	ng	# 24
56) 2,4-Dinitrotoluene	9.80	165	16478	6.739	ng	# 21
70) Phenanthrene	11.33	178	30030	2.075	ng	99
71) Anthracene	11.33	178	30030	2.031	ng	99
74) Fluoranthene	12.52	202	56773	3.737	ng	99
77) Pyrene	12.76	202	55637	2.860	ng	97
87) Benzo(b)fluoranthene	15.00	252	34476	2.883	ng	# 90
88) Benzo(k)fluoranthene	15.00	252	34476	2.965	ng	# 90

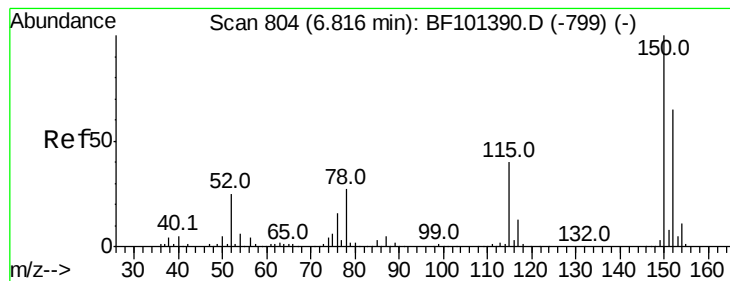
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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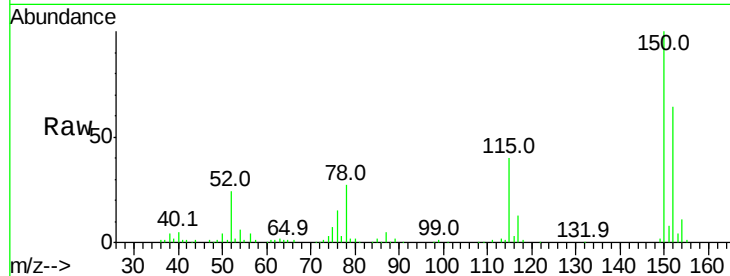


#1

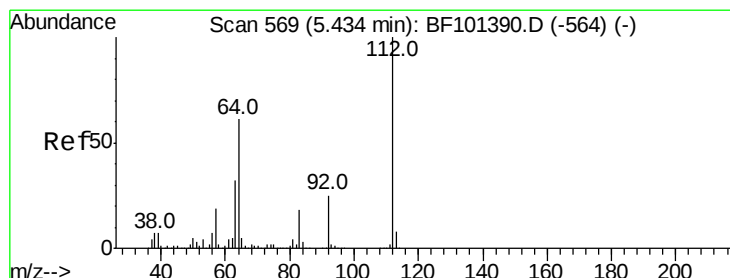
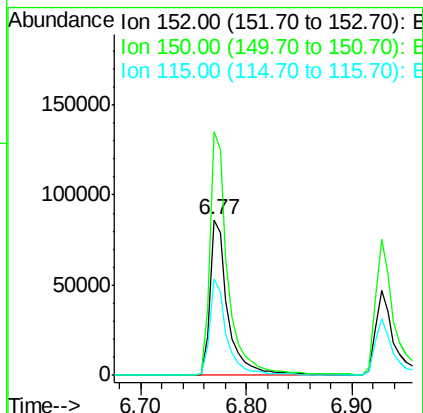
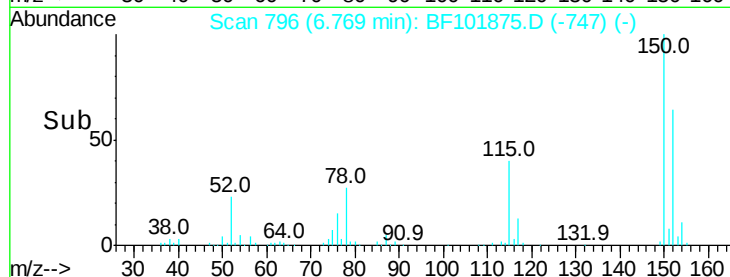
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101875.D
Acq: 3 Jan 2018 22:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103321
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 62.0 50.1 75.1



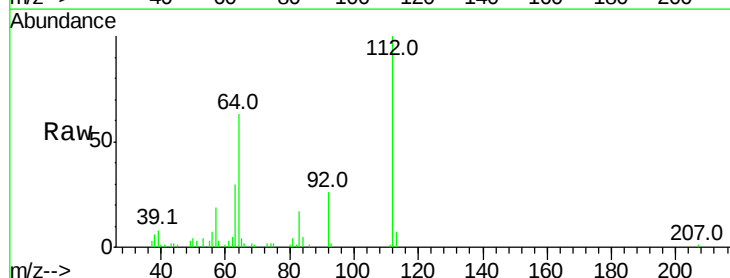
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



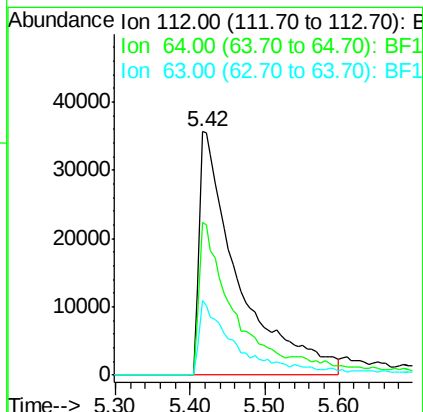
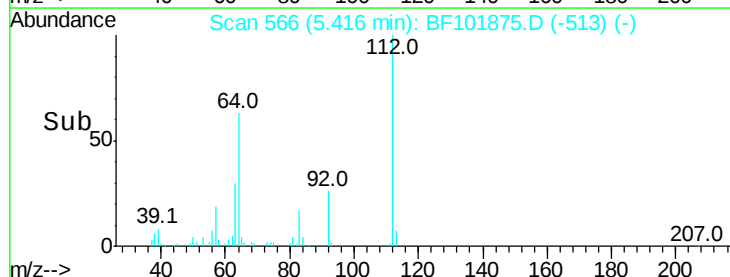
#5

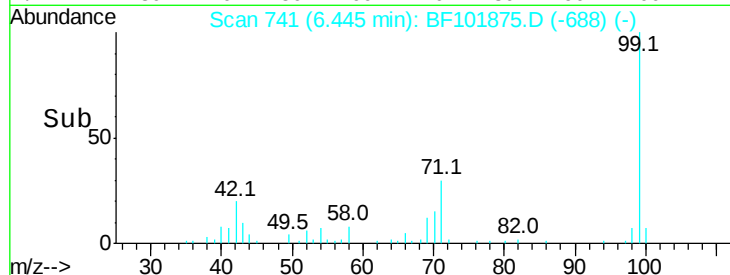
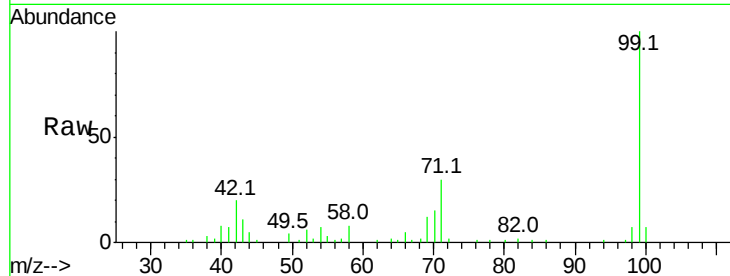
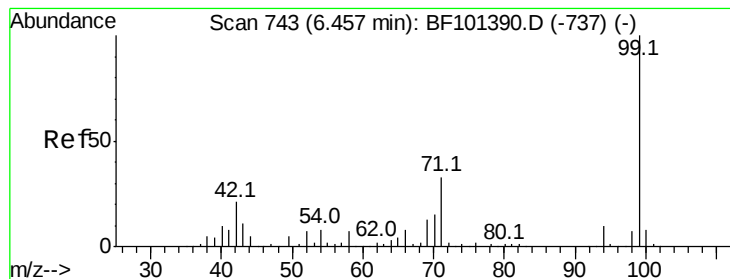
2-Fluorophenol
Concen: 18.755 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101875.D
Acq: 3 Jan 2018 22:05

Tgt Ion:112 Resp: 130087
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 30.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.815 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Instrument :

BNA_F

ClientSampleId :

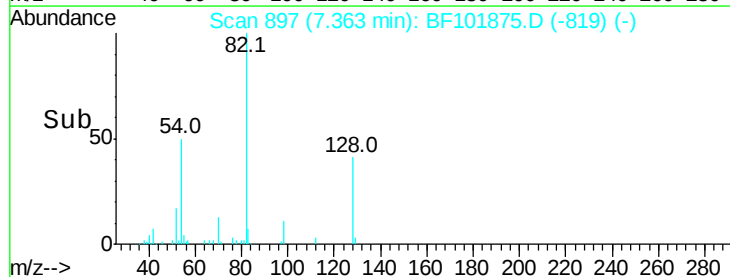
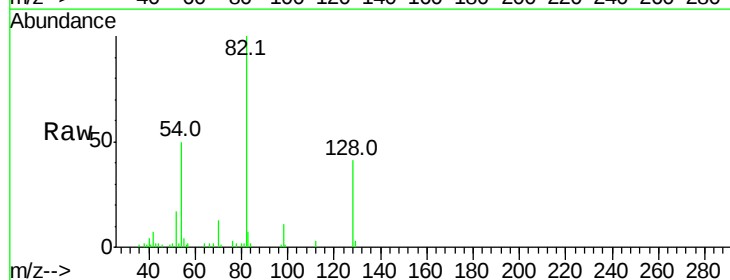
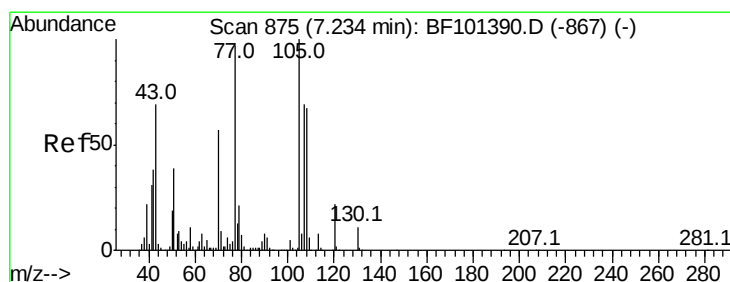
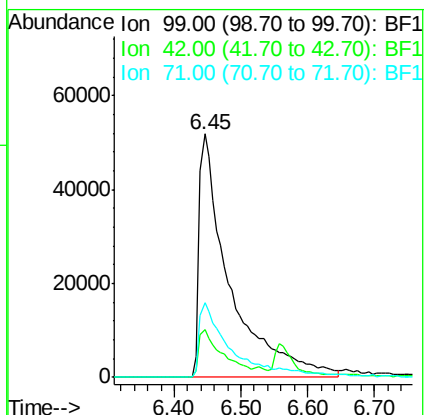
Tot Ion: 99 Resp: 162421

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 30.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.061 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Tgt Ion: 70 Resp: 11684

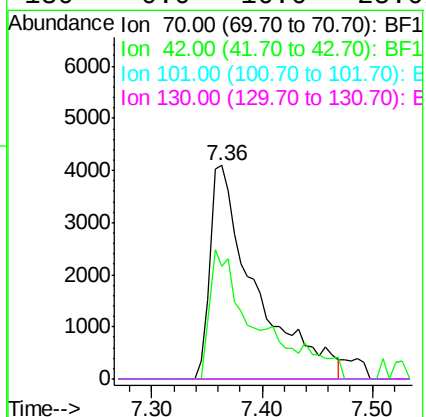
Ion Ratio Lower Upper

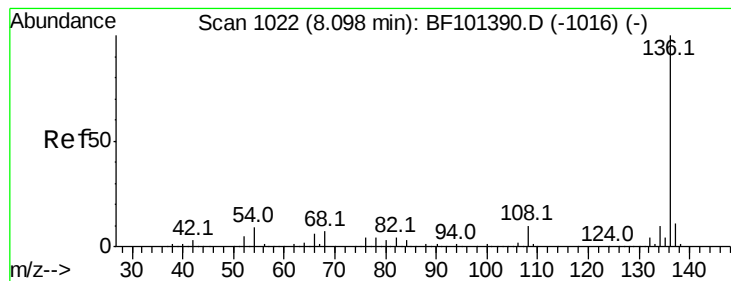
70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 352129

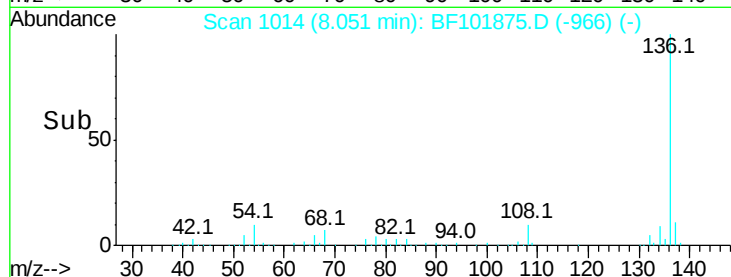
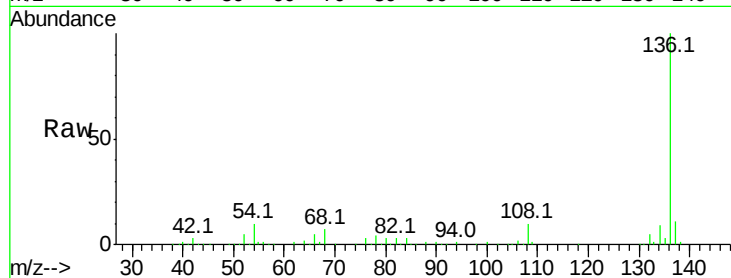
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.8 6.6 9.8

68 6.6 5.0 7.4

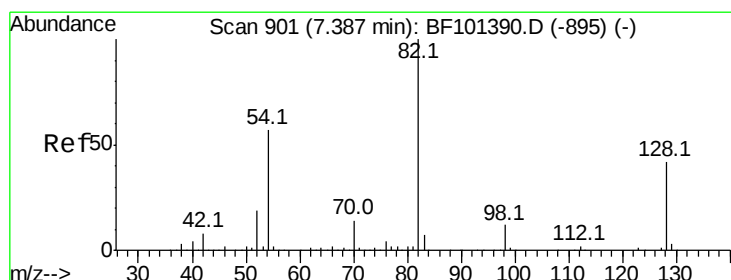
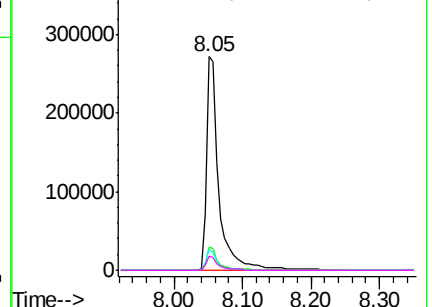


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 13.208 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

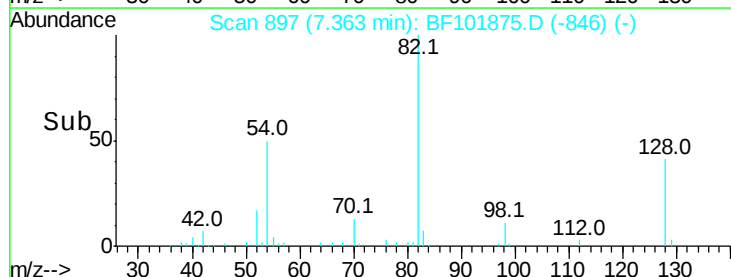
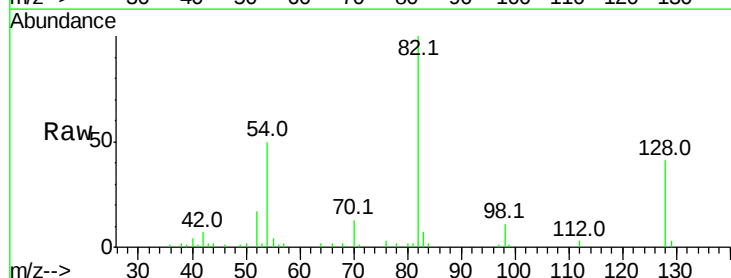
Tgt Ion: 82 Resp: 83550

Ion Ratio Lower Upper

82 100

128 41.4 36.1 54.1

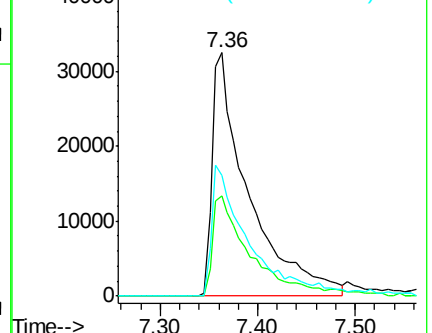
54 49.8 41.4 62.2

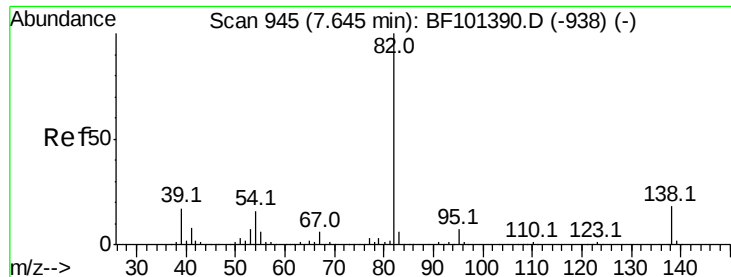


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.584 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Instrument :

BNA_F

ClientSampleId :

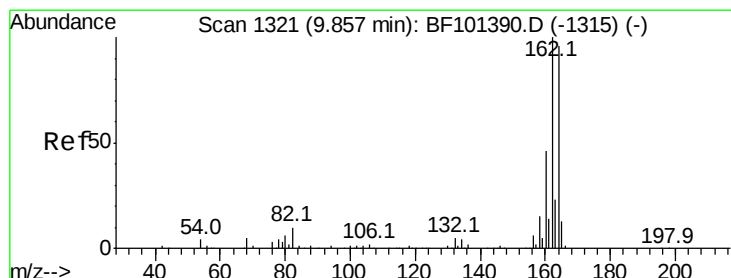
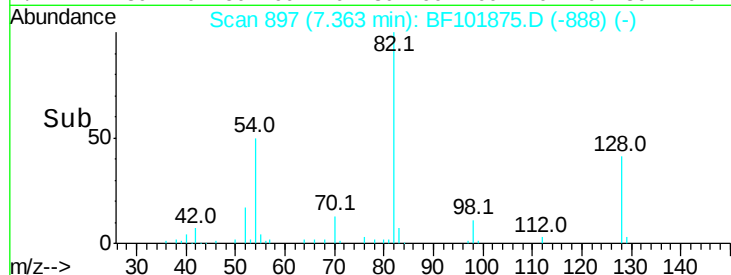
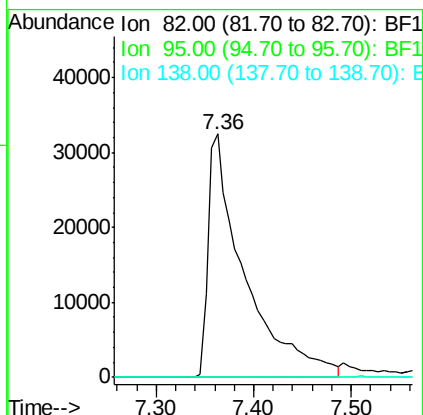
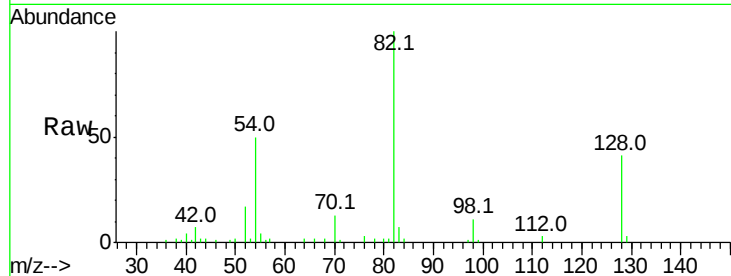
Tot Ion: 82 Resp: 83550

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

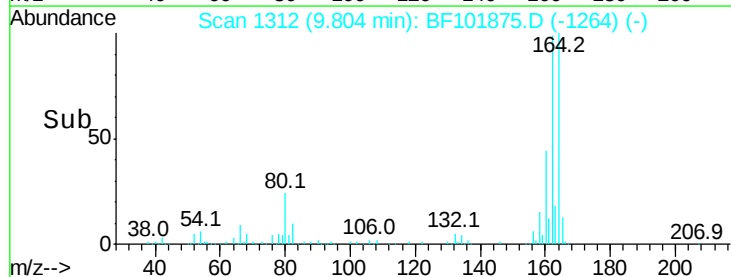
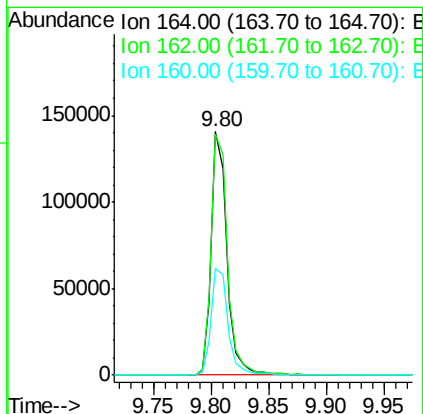
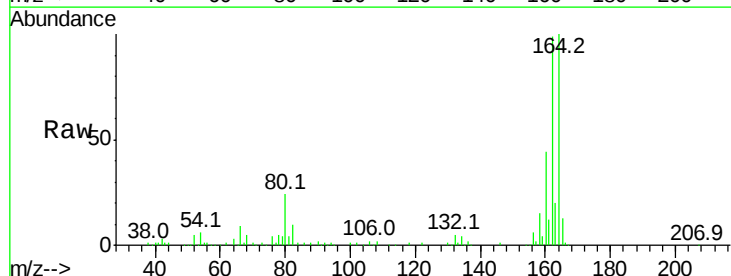
Tgt Ion:164 Resp: 132761

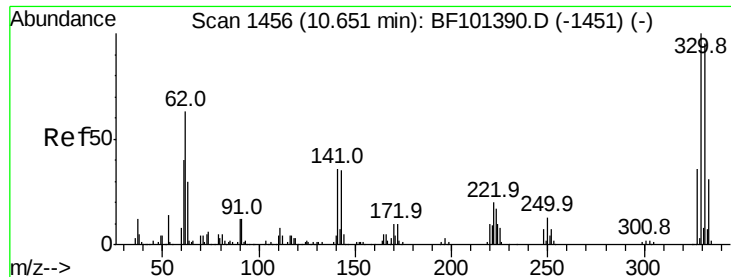
Ion Ratio Lower Upper

164 100

162 99.3 86.1 129.1

160 44.0 38.3 57.5

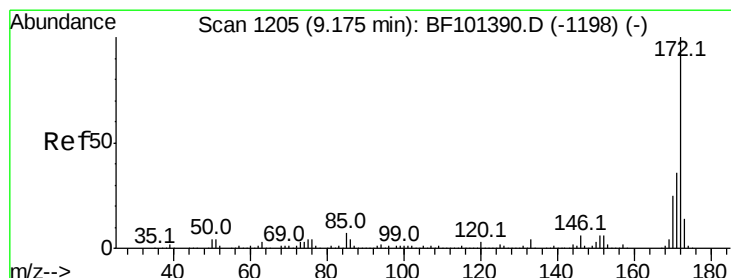
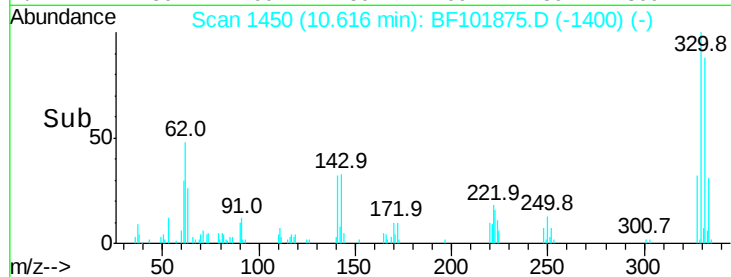
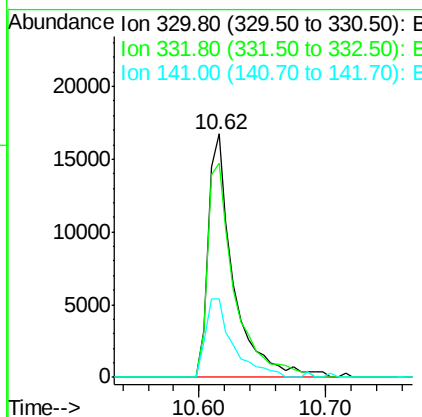
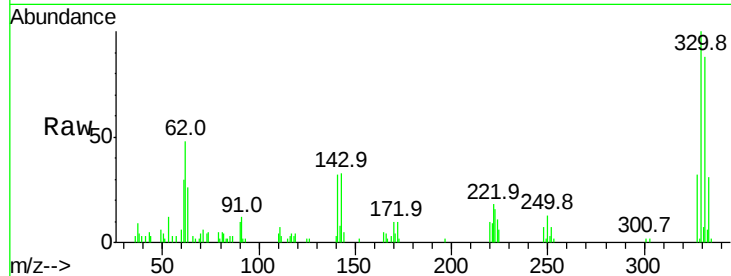




#41
 2,4,6-Tribromophenol
 Concen: 18.173 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101875.D
 Acq: 3 Jan 2018 22:05

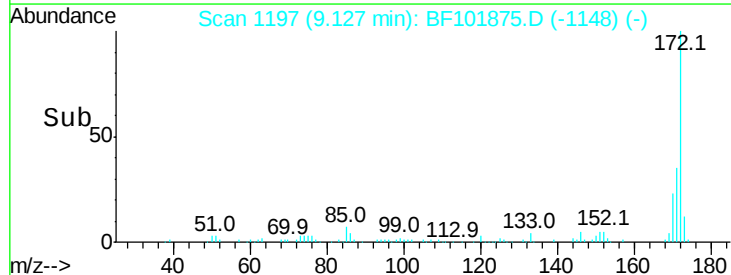
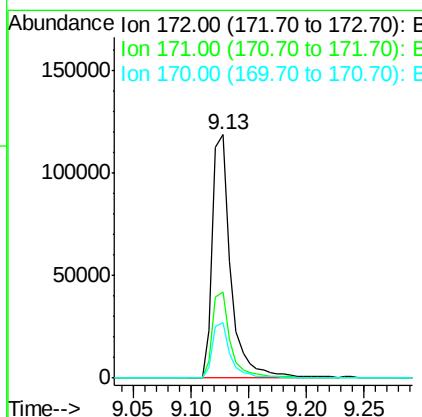
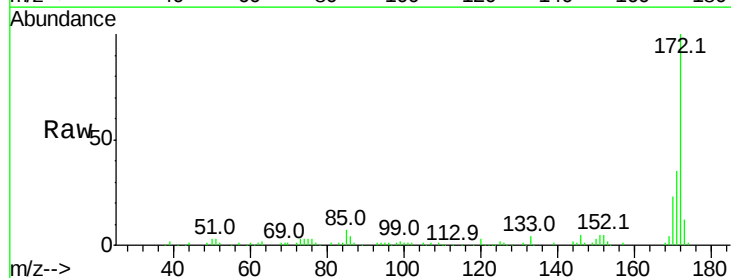
Instrument :
 BNA_F
 ClientSampled :

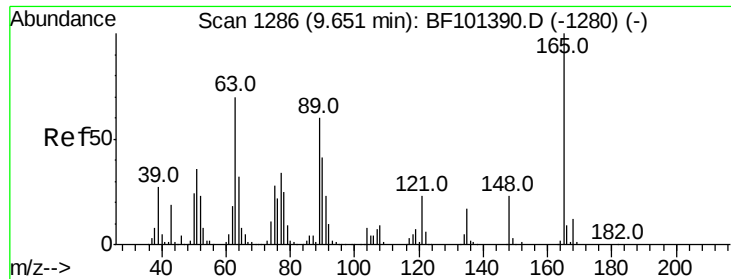
Tot Ion:330 Resp: 23248
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.0 115.6
 141 35.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 15.428 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF101875.D
 Acq: 3 Jan 2018 22:05

Tgt Ion:172 Resp: 132039
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 22.6 19.6 29.4

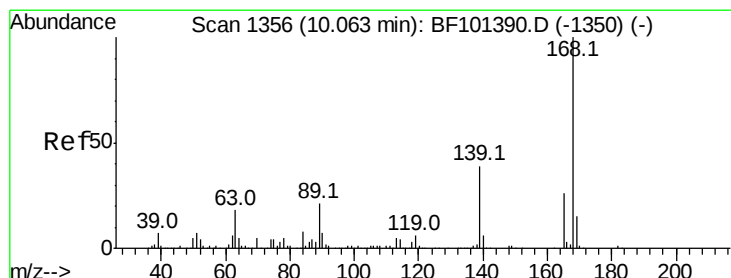
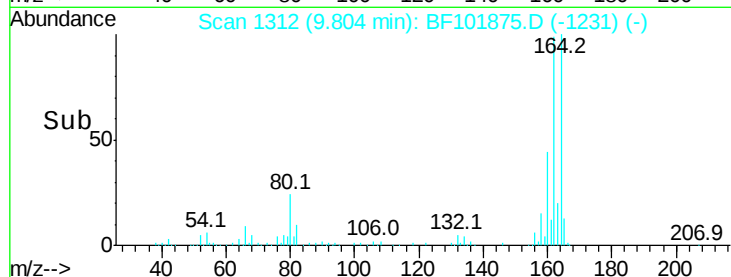
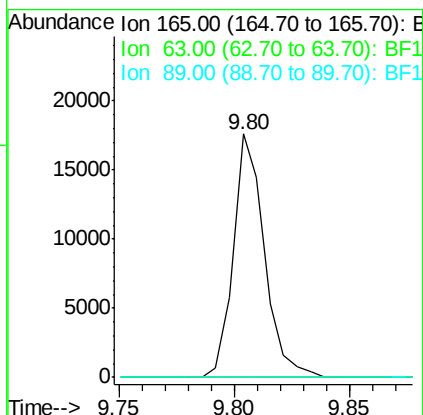
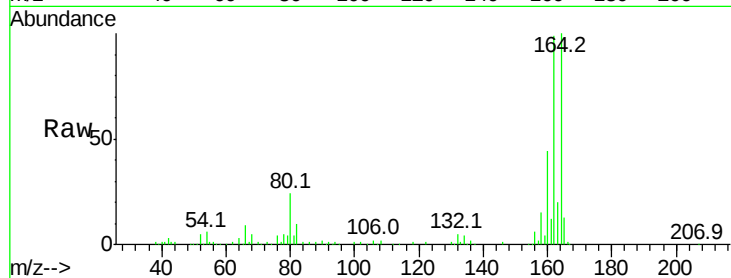




#50
 2,6-Dinitrotoluene
 Concen: 7.592 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.18 min
 Lab File: BF101875.D
 Acq: 3 Jan 2018 22:05

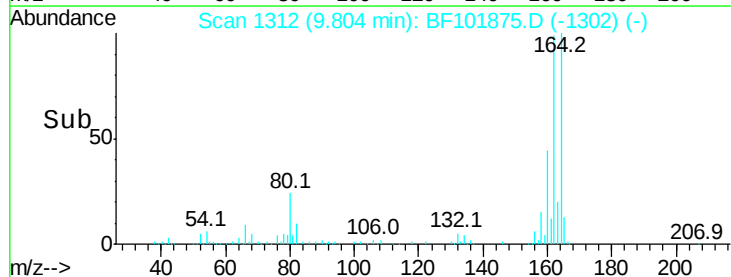
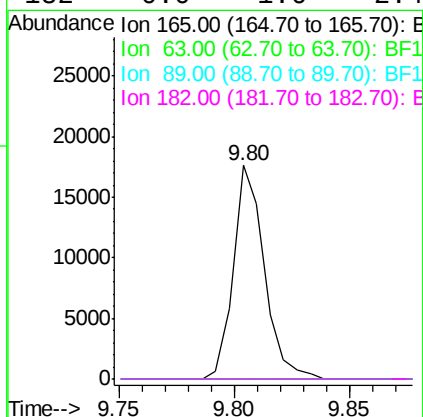
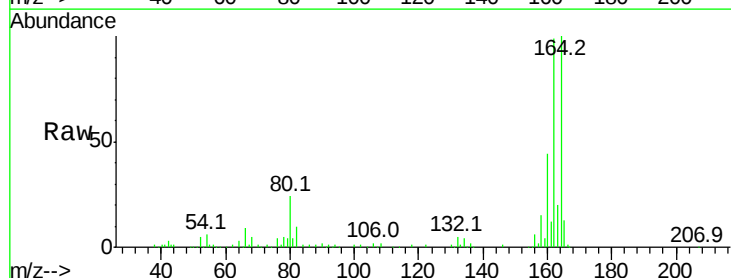
Instrument :
 BNA_F
 ClientSampleId :

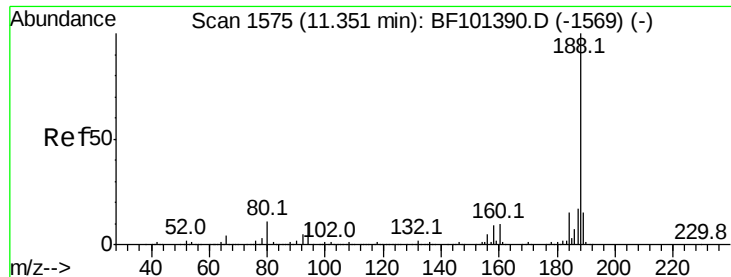
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.739 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.24 min
 Lab File: BF101875.D
 Acq: 3 Jan 2018 22:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.02 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Instrument :

BNA_F

ClientSampleId :

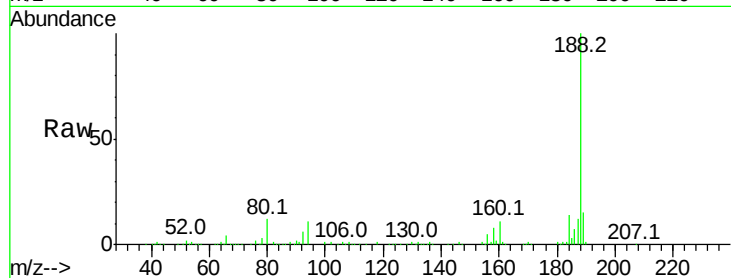
Tot Ion:188 Resp: 260292

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

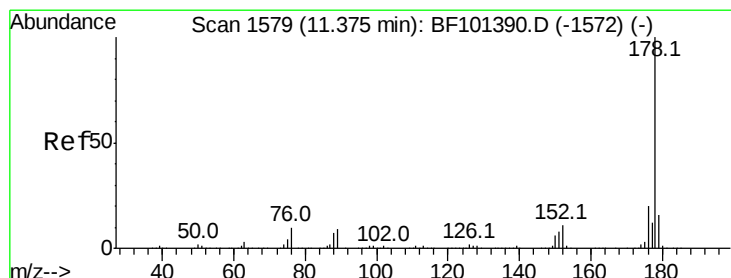
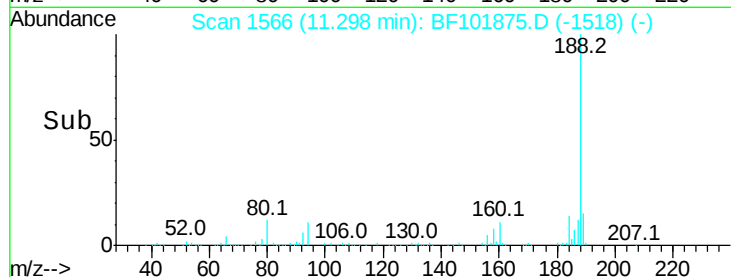
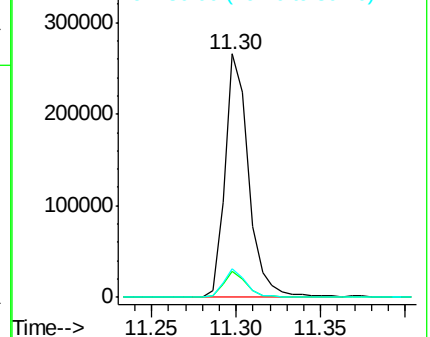
80 11.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 2.075 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

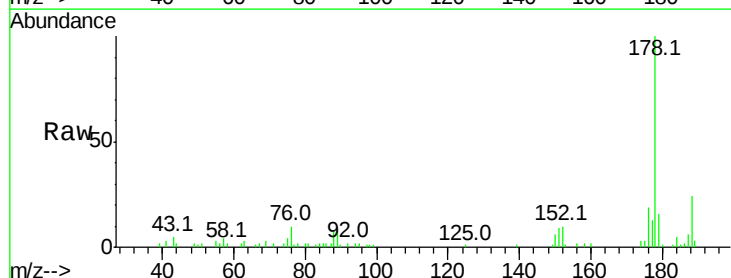
Tgt Ion:178 Resp: 30030

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

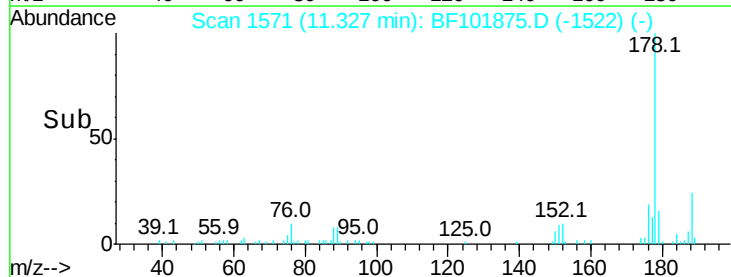
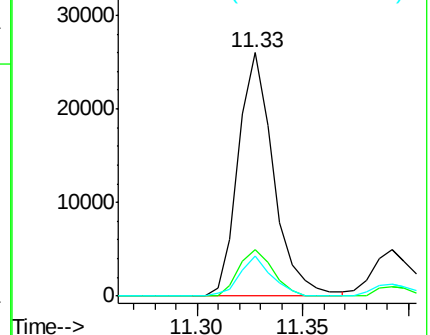
179 16.3 13.0 19.6

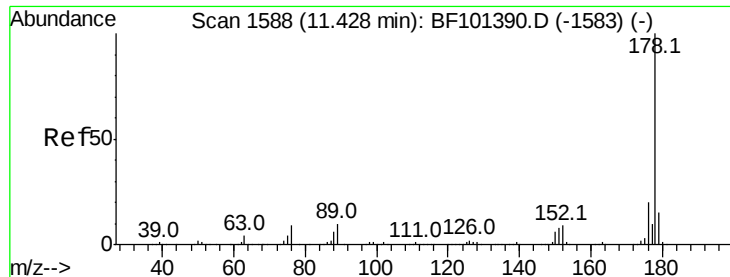


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

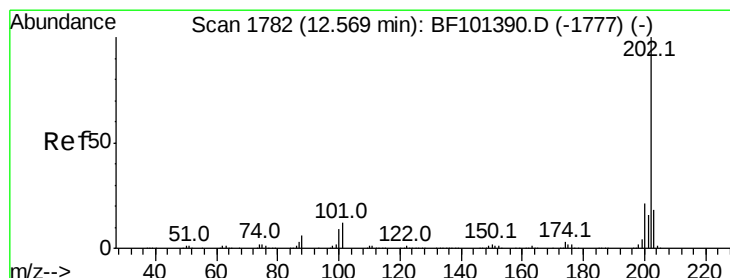
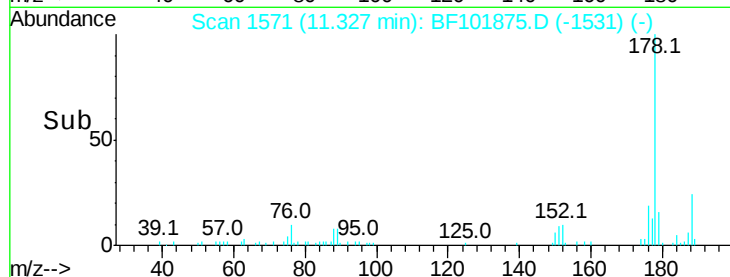
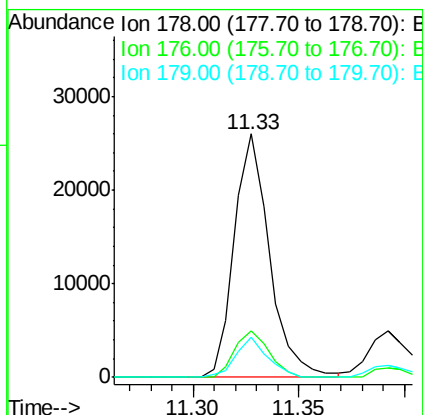
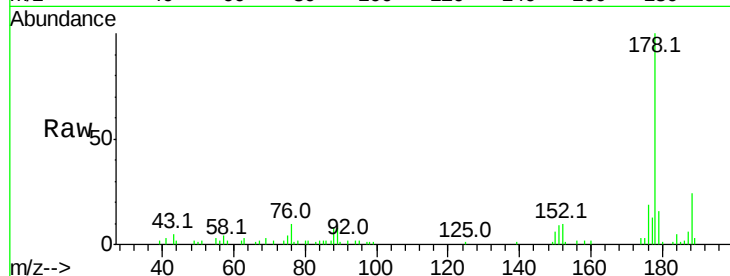




#71
 Anthracene
 Concen: 2.031 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.06 min
 Lab File: BF101875.D
 Acq: 3 Jan 2018 22:05

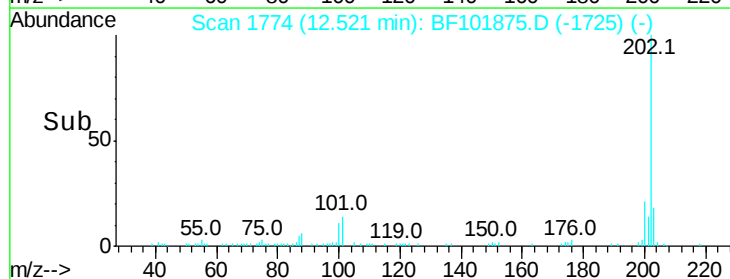
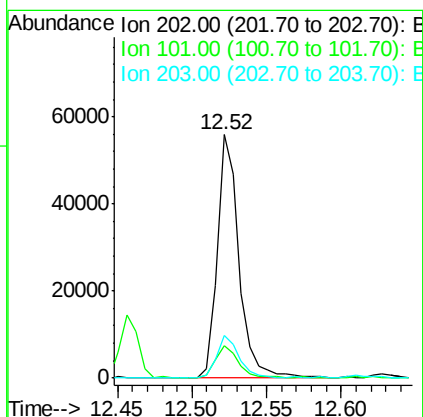
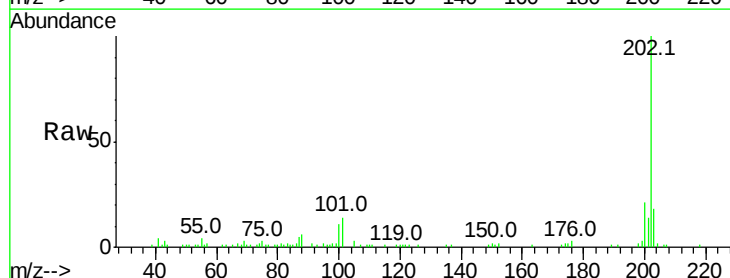
Instrument :
 BNA_F
 ClientSampleId :

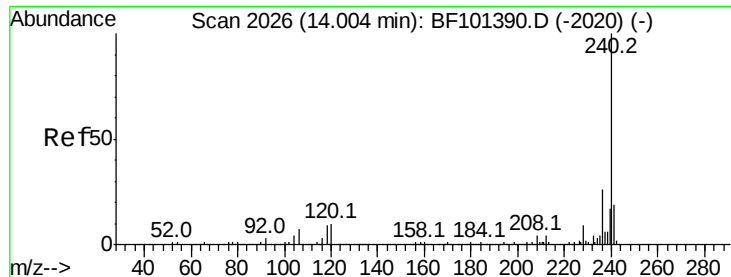
Tot Ion:178 Resp: 30030
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 16.3 12.6 19.0



#74
 Fluoranthene
 Concen: 3.737 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF101875.D
 Acq: 3 Jan 2018 22:05

Tgt Ion:202 Resp: 56773
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 34.1
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Instrument :

BNA_F

ClientSampleId :

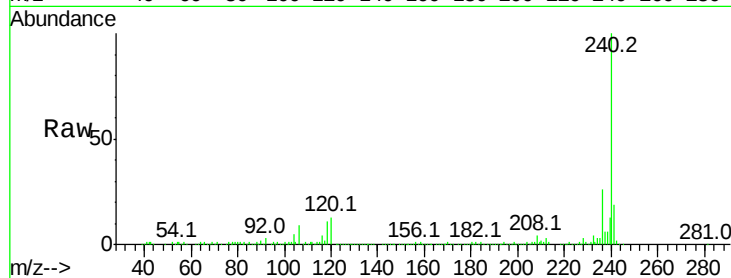
Tot Ion:240 Resp: 259164

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

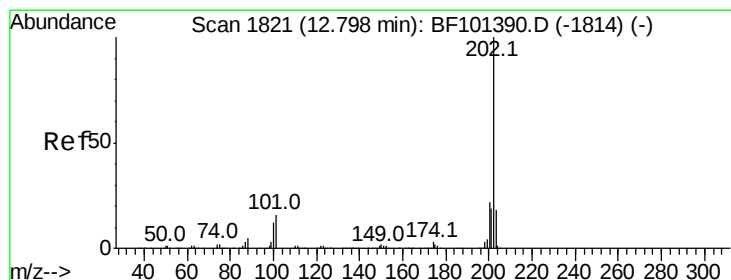
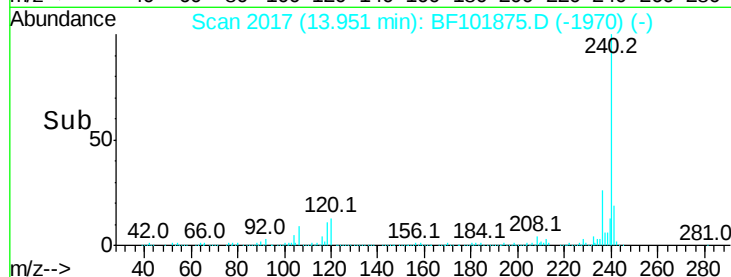
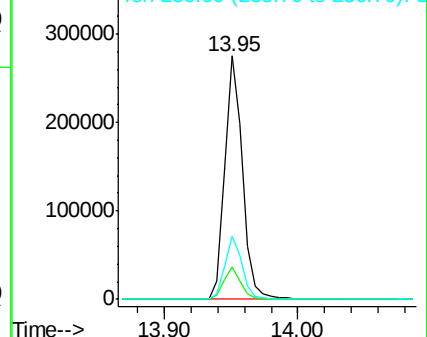
236 25.8 20.7 31.1



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: 2.860 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

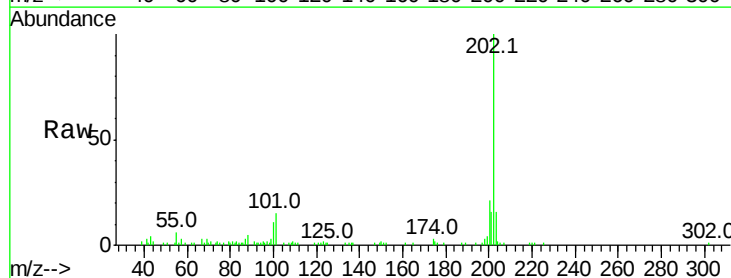
Tgt Ion:202 Resp: 55637

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

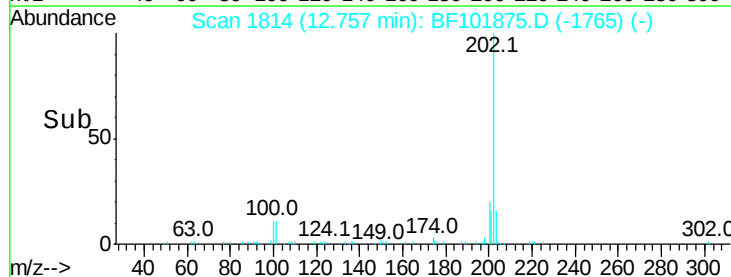
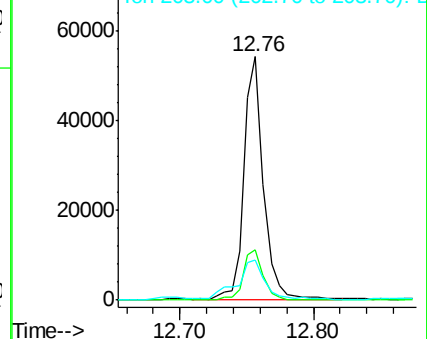
203 16.4 14.3 21.5

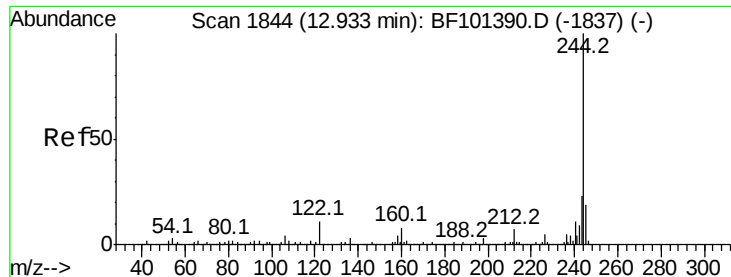


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.203 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

Instrument :

BNA_F

ClientSampleId :

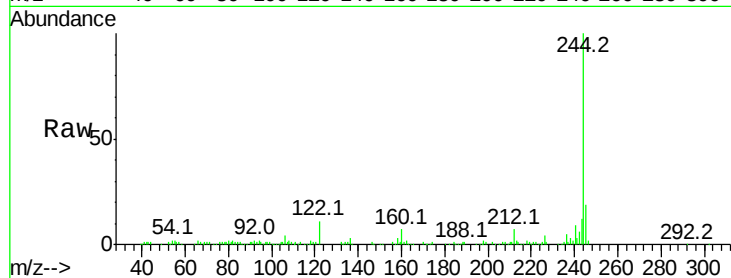
Tot Ion:244 Resp: 131183

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

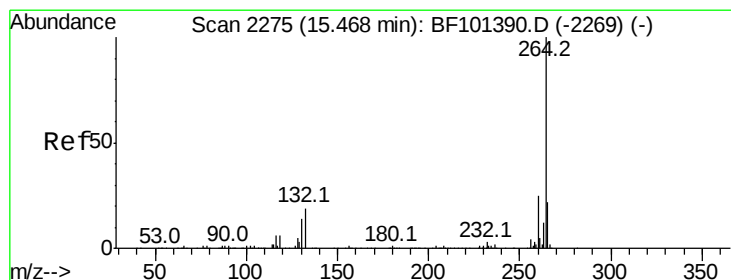
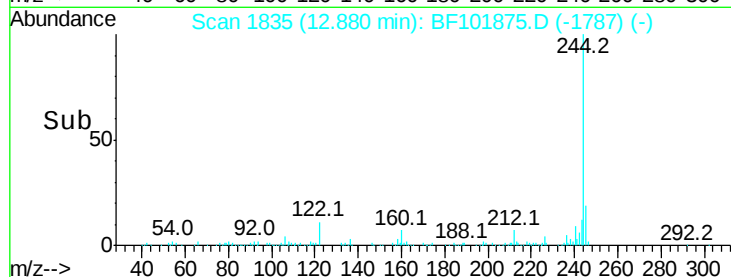
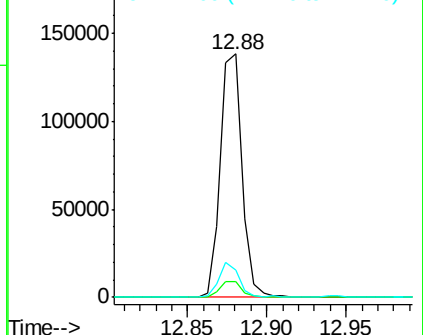
122 11.0 11.0 16.4



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: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF101875.D

Acq: 3 Jan 2018 22:05

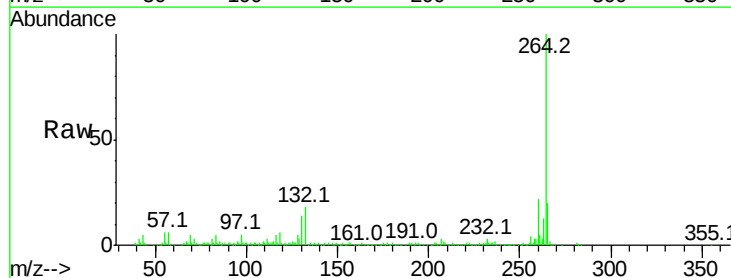
Tgt Ion:264 Resp: 196192

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

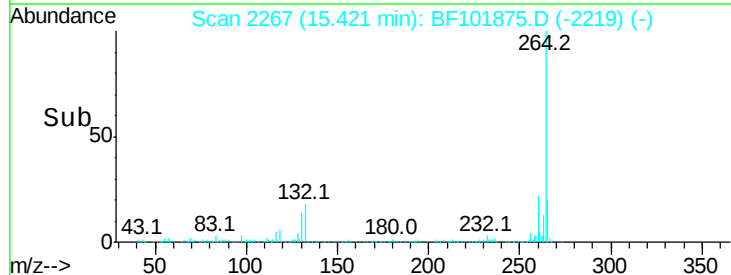
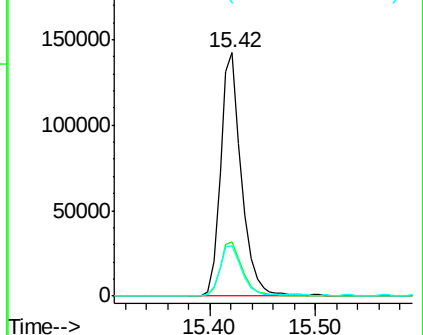
265 20.4 17.5 26.3

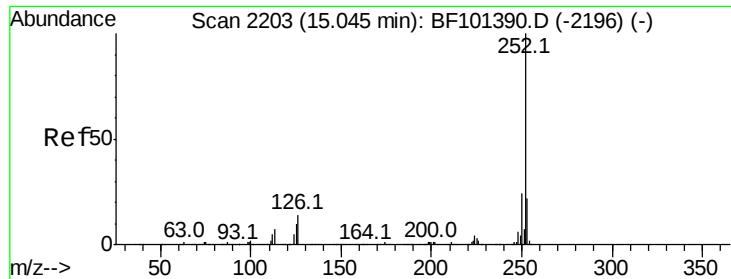


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

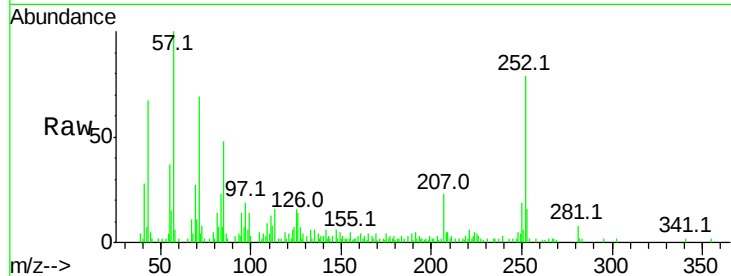




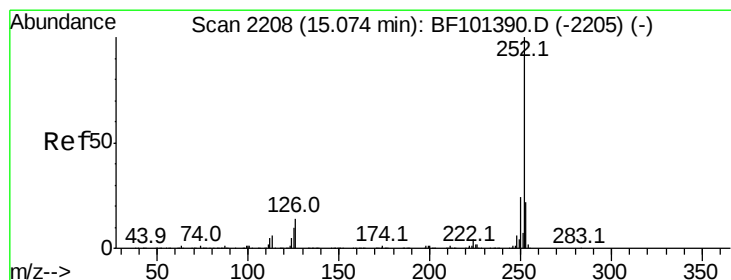
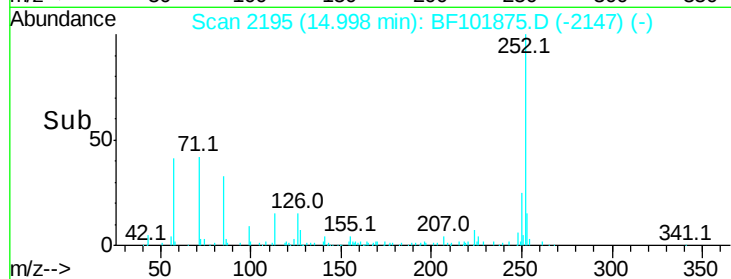
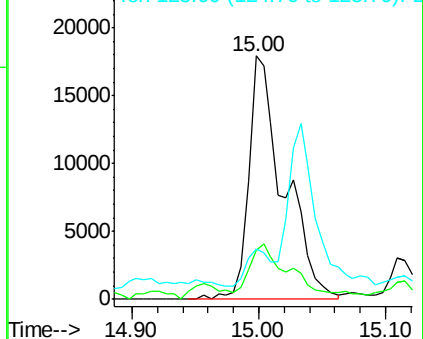
#87
Benzo(b)fluoranthene
Concen: 2.883 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101875.D
Acq: 3 Jan 2018 22:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 34476
Ion Ratio Lower Upper
252 100
253 19.9 17.0 25.6
125 20.4 9.0 13.6#

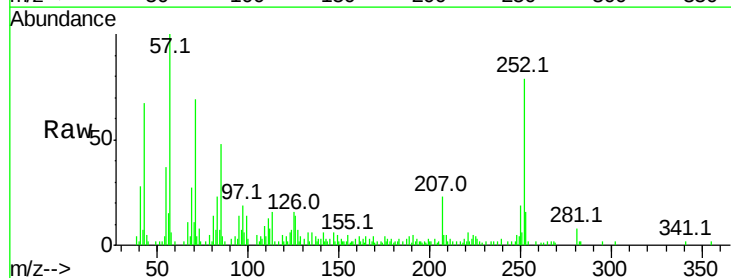


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.965 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF101875.D
Acq: 3 Jan 2018 22:05

Tgt Ion:252 Resp: 34476
Ion Ratio Lower Upper
252 100
253 19.9 17.9 26.9
125 20.4 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

