

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101407.D
 Acq On : 14 Dec 2017 21:37
 Operator : SJ/JU
 Sample : I6841-01 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 23:48:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	174615	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	718693	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	322377	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	605685	20.00	ng	0.00
75) Chrysene-d12	13.99	240	411292	20.00	ng	-0.01
86) Perylene-d12	15.46	264	328070	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.55	99	1110	0.08	ng	0.09
23) Nitrobenzene-d5	7.42	82	600	0.05	ng	0.04
41) 2,4,6-Tribromophenol	10.66	330	125	0.04	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1951	0.09	ng	0.00
78) Terphenyl-d14	12.93	244	2716	0.16	ng	0.00

Target Compounds

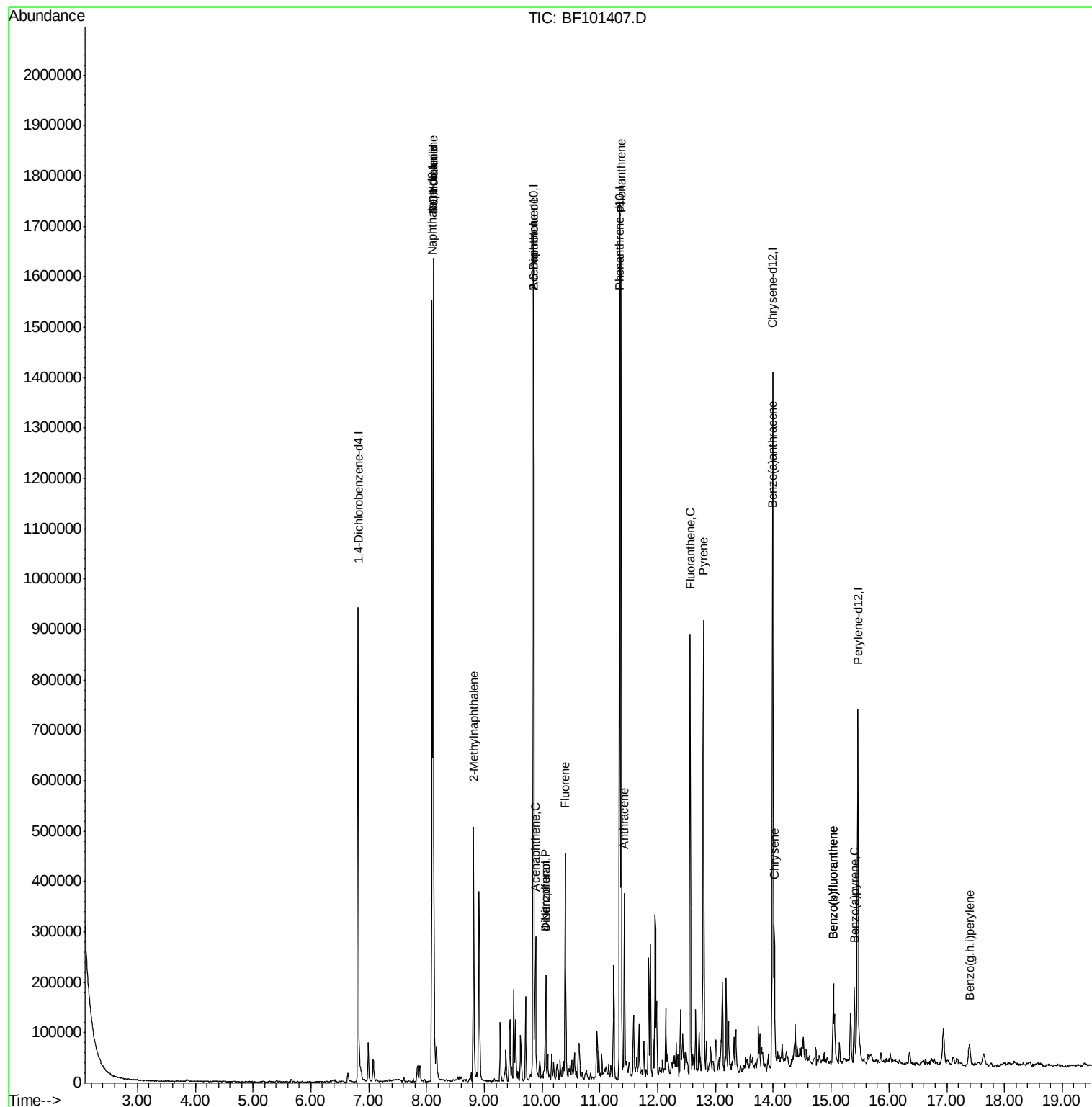
						Qvalue
31) Naphthalene	8.12	128	779114	21.533	ng	100
32) Benzoic acid	8.12	122	1520	8.141	ng	# 1
33) 4-Chloroaniline	8.12	127	102893	6.543	ng	# 33
37) 2-Methylnaphthalene	8.81	142	157834	6.696	ng	99
50) 2,6-Dinitrotoluene	9.85	165	43899	8.330	ng	# 26
51) Acenaphthene	9.89	154	61062	2.941	ng	97
54) Dibenzofuran	10.06	168	82618	3.132	ng	98
55) 4-Nitrophenol	10.06	139	31701	11.064	ng	# 10
57) Fluorene	10.40	166	136756	6.128	ng	98
70) Phenanthrene	11.37	178	564892	16.771	ng	98
71) Anthracene	11.42	178	144987	4.214	ng	98
74) Fluoranthene	12.56	202	360771	10.204	ng	96
77) Pyrene	12.79	202	344791	11.170	ng	99
80) Benzo(a)anthracene	13.98	228	125383	4.617	ng	99
82) Chrysene	14.02	228	105407	4.111	ng	97
87) Benzo(b)fluoranthene	15.04	252	109273	5.465	ng	96
88) Benzo(k)fluoranthene	15.04	252	109273	5.620	ng	98
89) Benzo(a)pyrene	15.40	252	73490	3.987	ng	99
91) Benzo(a,h,i)perylene	17.39	276	39080	2.494	ng	97

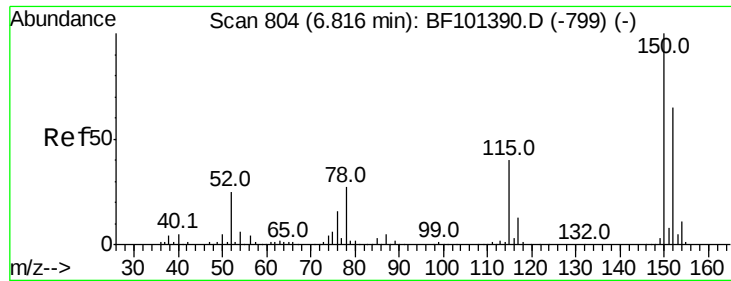
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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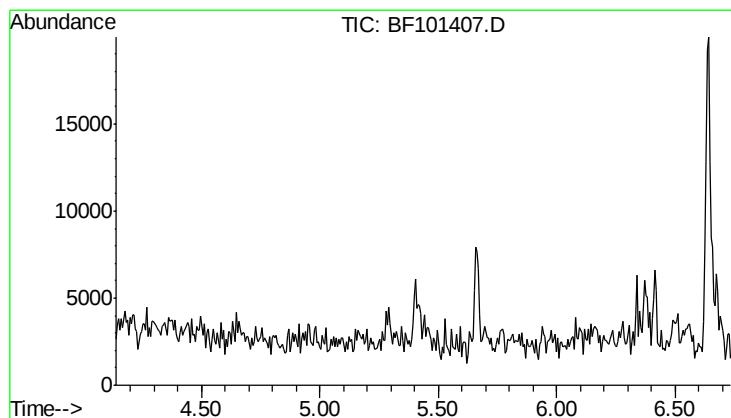
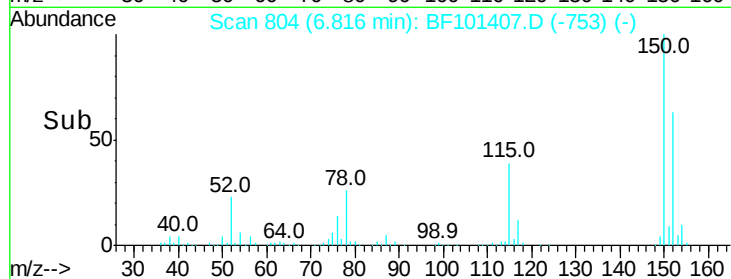
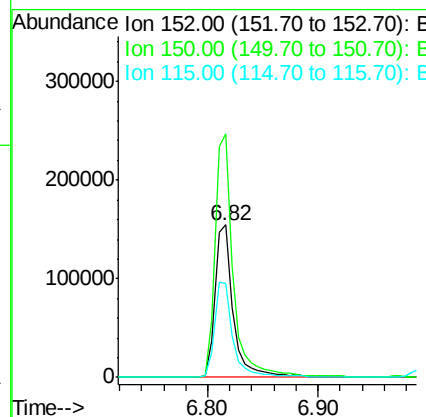
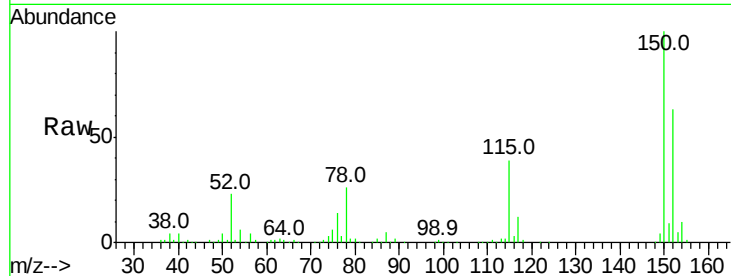


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 174615
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.6 186.8
 115 61.8 50.1 75.1

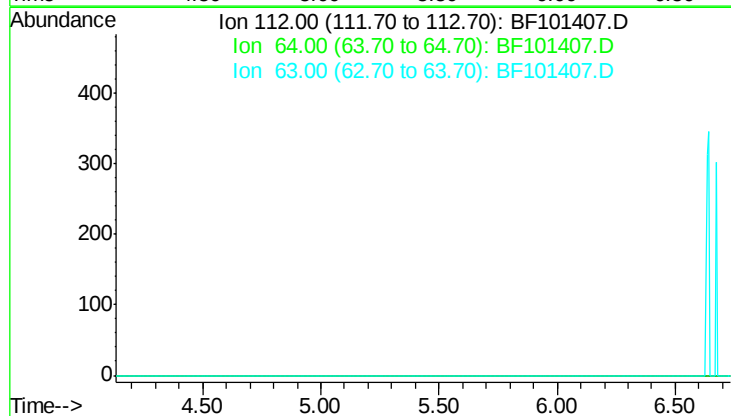


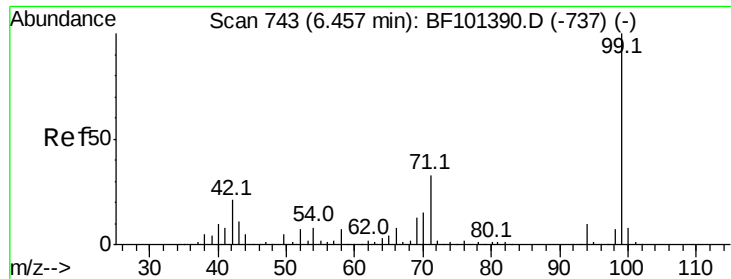
#5

2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.43 min

Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 59.9
 63 29.6





#7

Phenol-d6

Concen: 0.076 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.09 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

ClientSampleId :

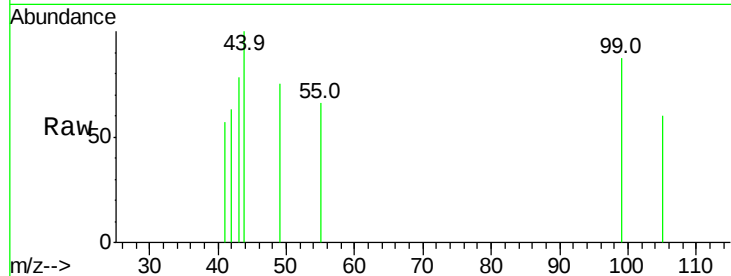
Tot Ion: 99 Resp: 1110

Ion Ratio Lower Upper

99 100

42 72.3 14.5 21.7#

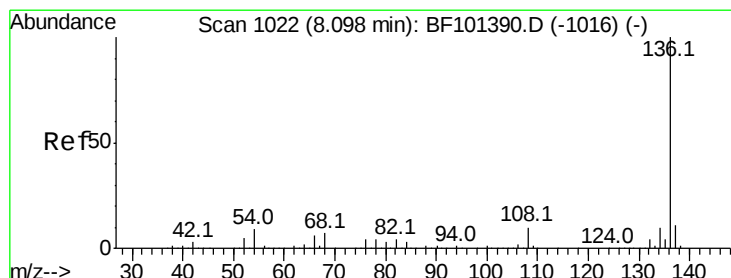
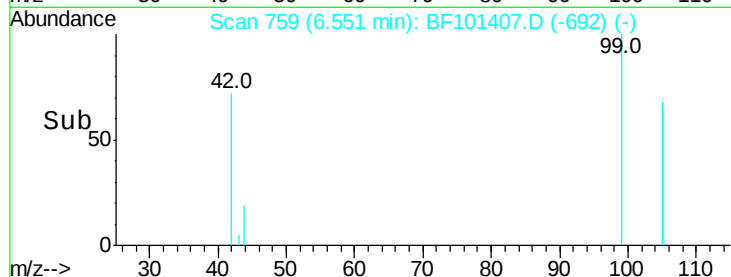
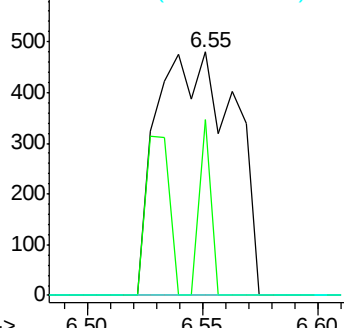
71 0.0 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Tgt Ion: 136 Resp: 718693

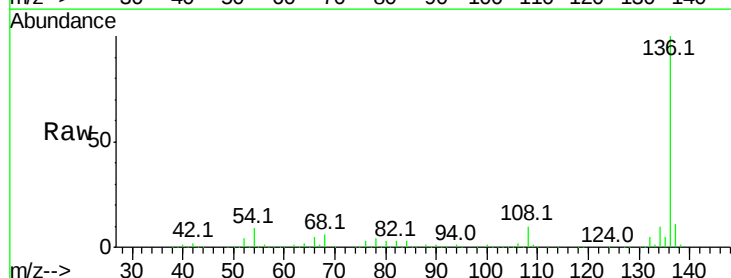
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.9 6.6 9.8

68 6.3 5.0 7.4

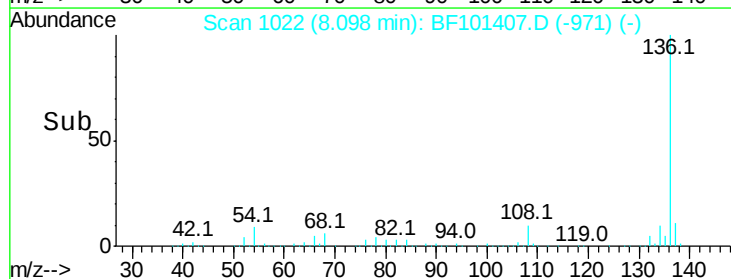
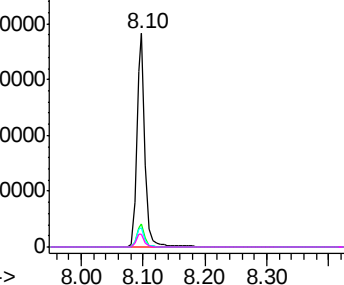


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

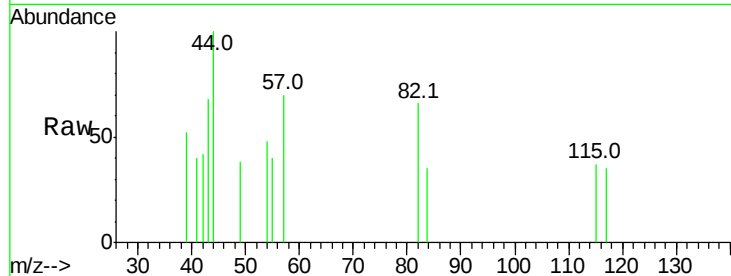




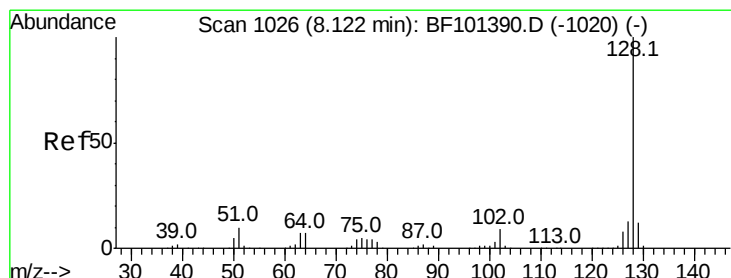
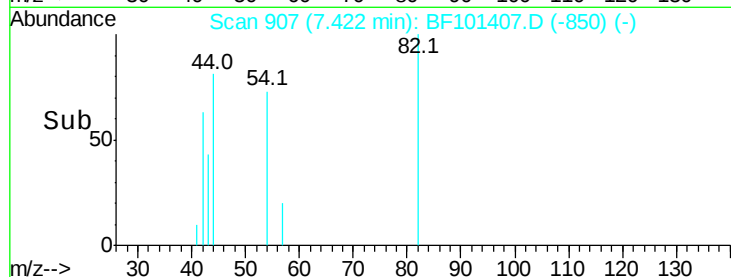
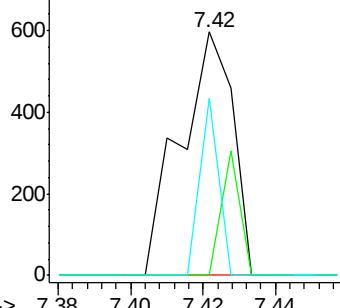
#23
Nitrobenzene-d5
Concen: 0.046 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.04 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 600
Ion Ratio Lower Upper
82 100
128 0.0 36.1 54.1#
54 72.5 41.4 62.2#

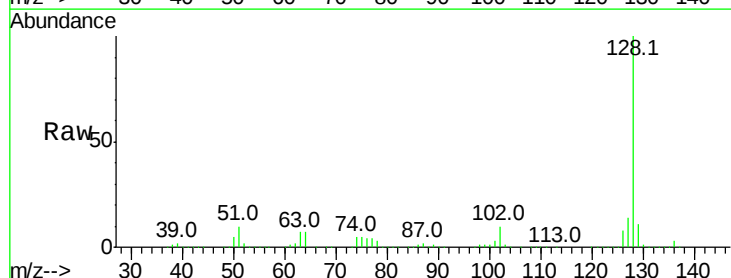


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

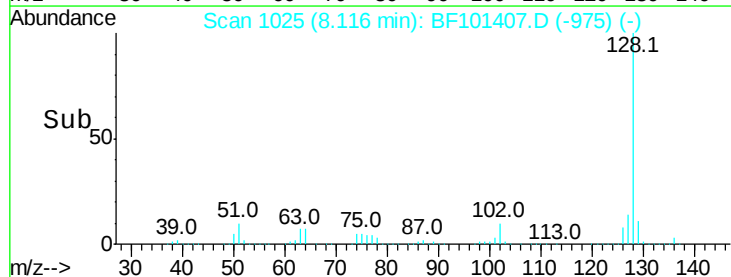
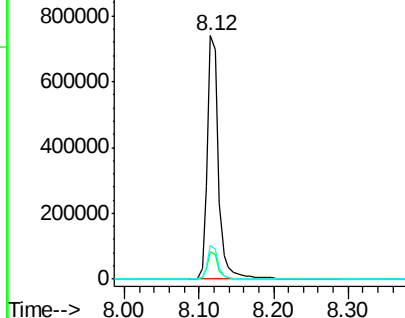


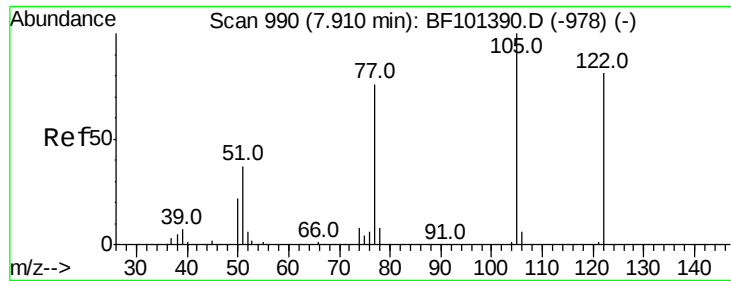
#31
Naphthalene
Concen: 21.533 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion: 128 Resp: 779114
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 8.141 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.21 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

ClientSampleId :

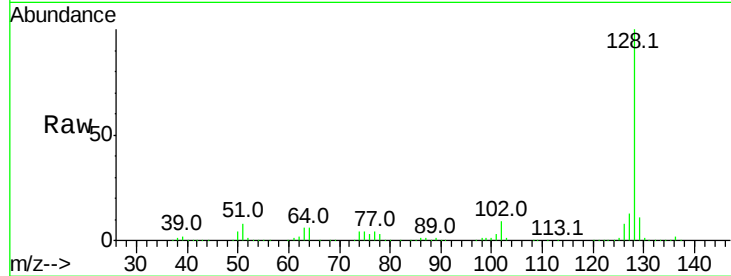
Tot Ion:122 Resp: 1520

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

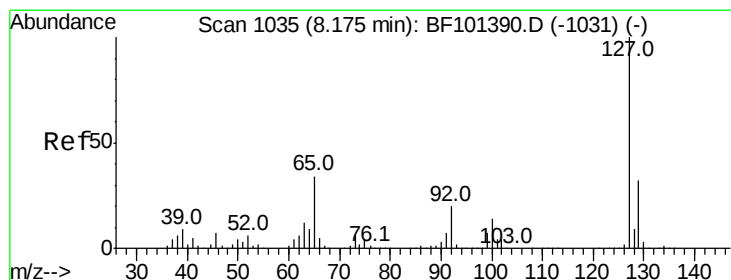
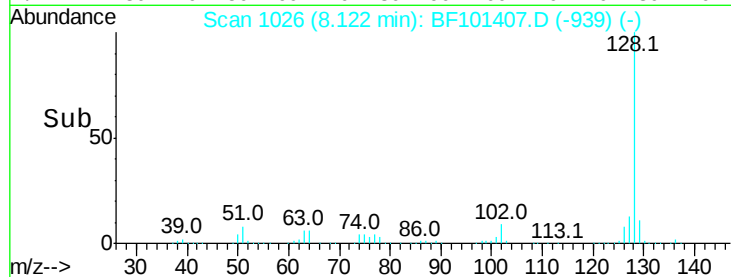
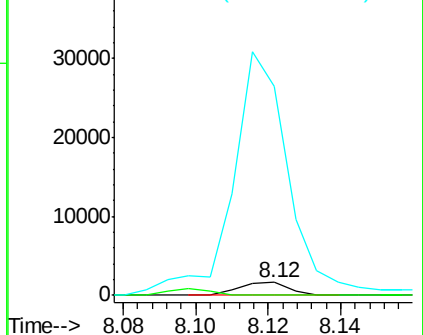
77 1656.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 6.543 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.06 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Tgt Ion:127 Resp: 102893

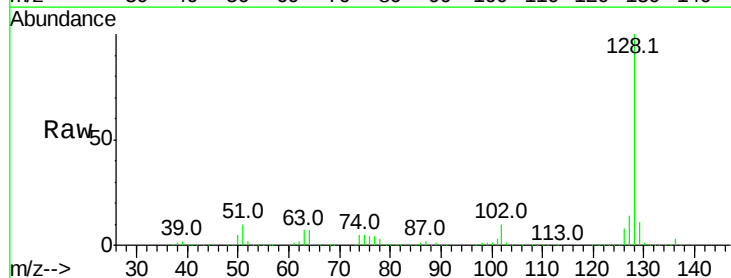
Ion Ratio Lower Upper

127 100

129 83.7 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

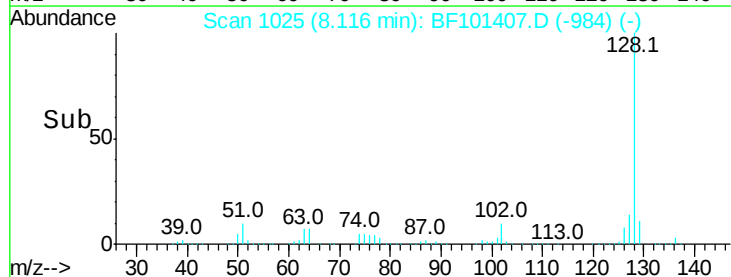
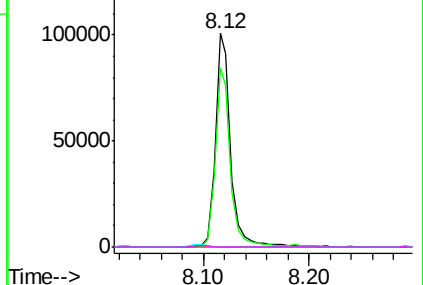


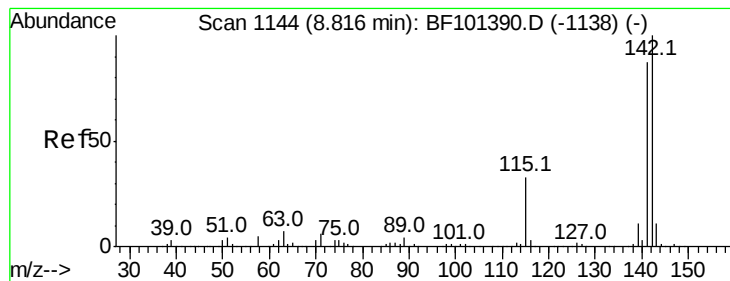
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

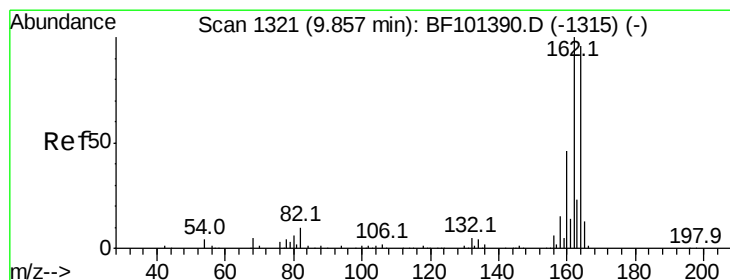
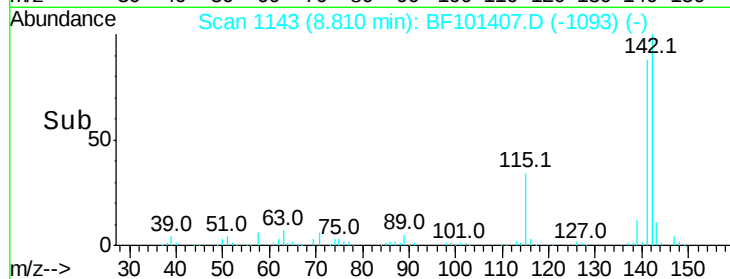
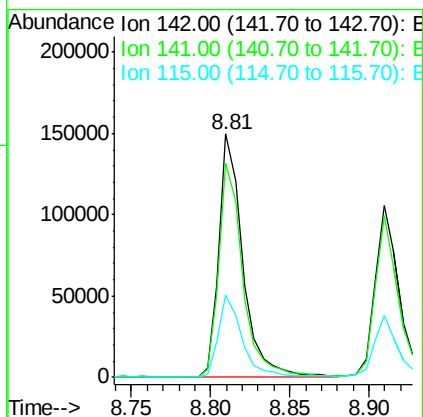
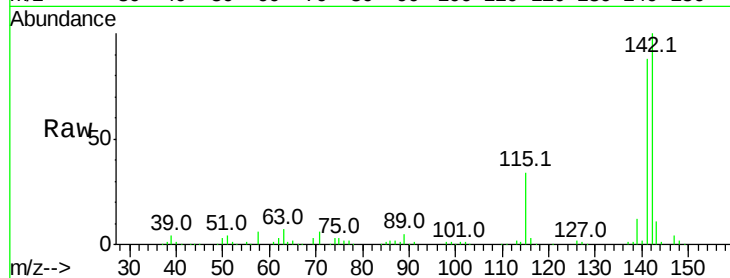




#37
 2-Methylnaphthalene
 Concen: 6.696 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

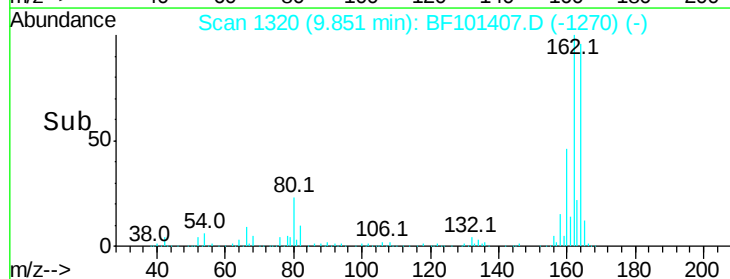
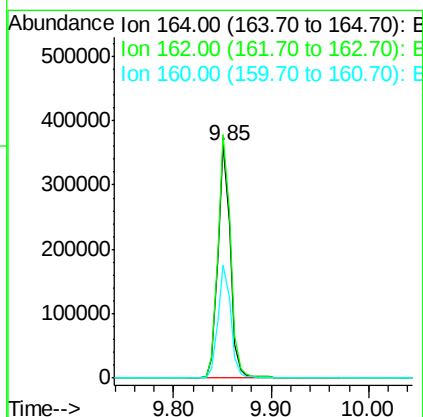
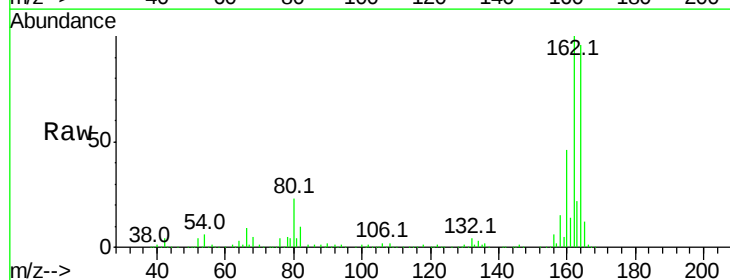
Instrument :
 BNA_F
 ClientSampleId :

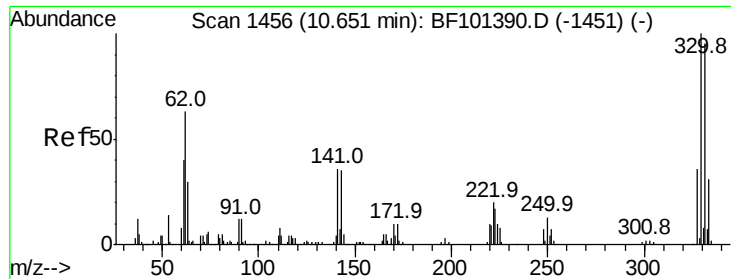
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2
115	33.9	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	48.4	38.3	57.5

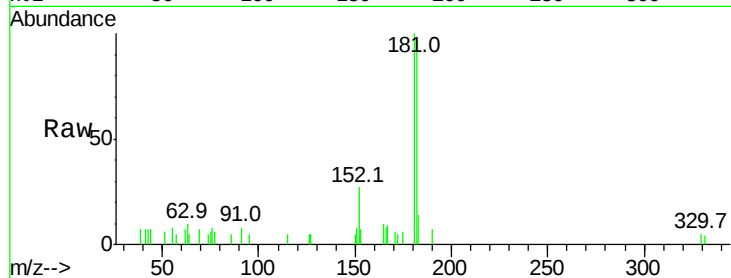




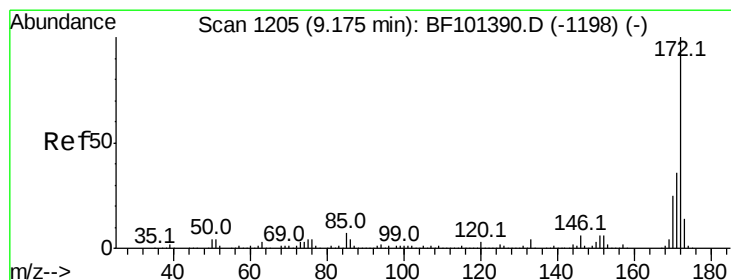
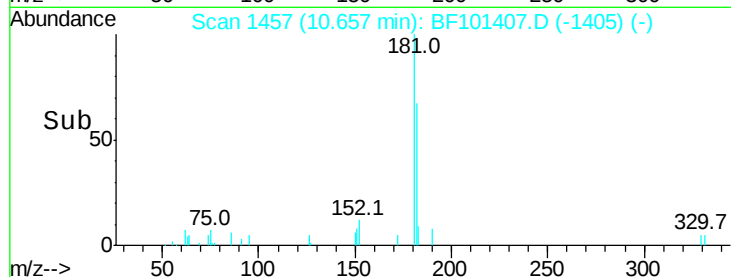
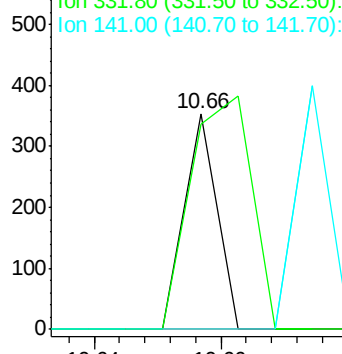
#41
 2,4,6-Tribromophenol
 Concen: 0.040 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 125
 Ion Ratio Lower Upper
 330 100
 332 203.2 77.0 115.6#
 141 112.8 29.9 44.9#

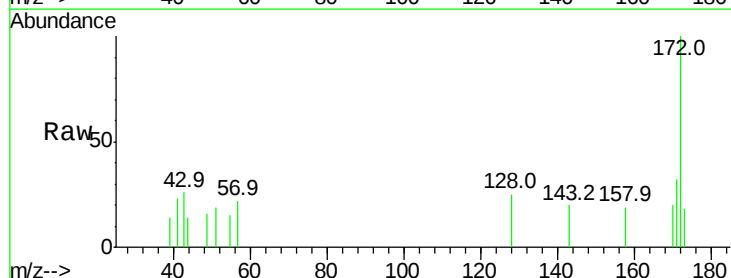


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

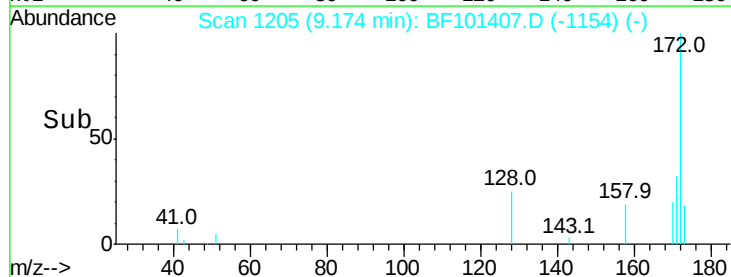
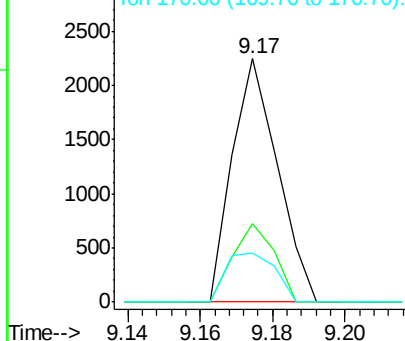


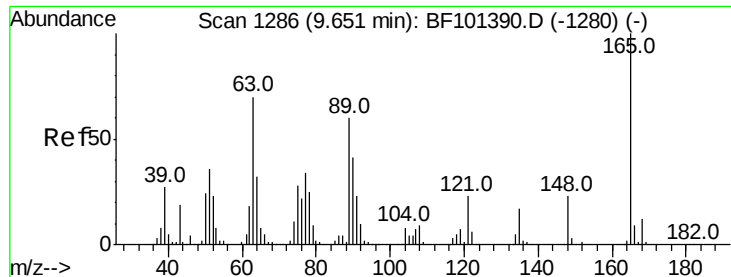
#44
 2-Fluorobiphenyl
 Concen: 0.094 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion:172 Resp: 1951
 Ion Ratio Lower Upper
 172 100
 171 32.1 29.7 44.5
 170 20.0 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

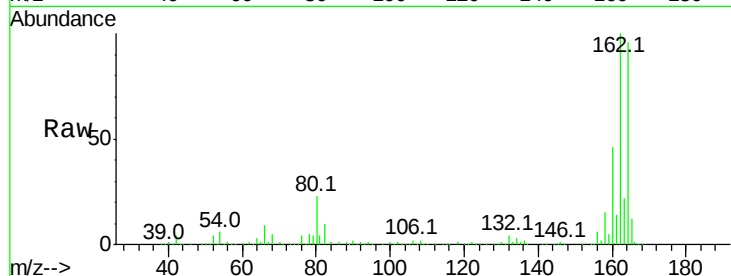




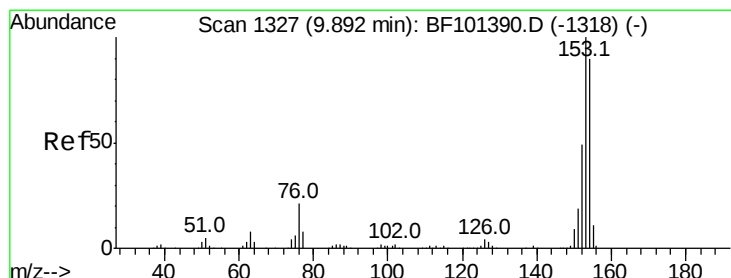
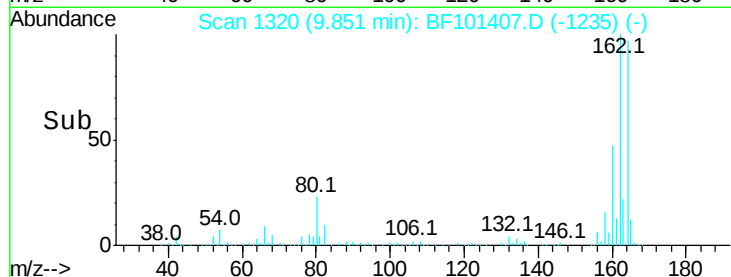
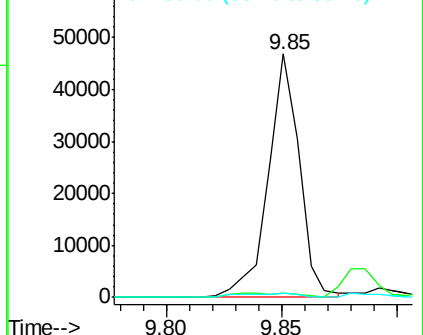
#50
2,6-Dinitrotoluene
Concen: 8.330 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 43899
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.9 44.0 66.0#

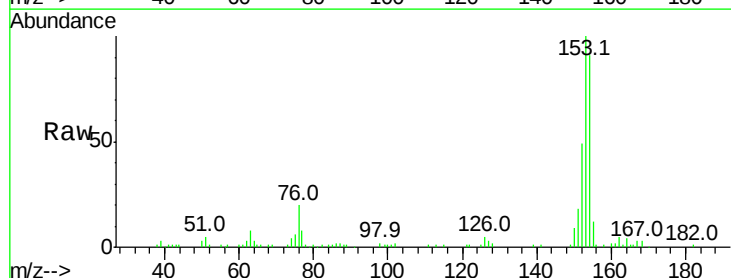


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

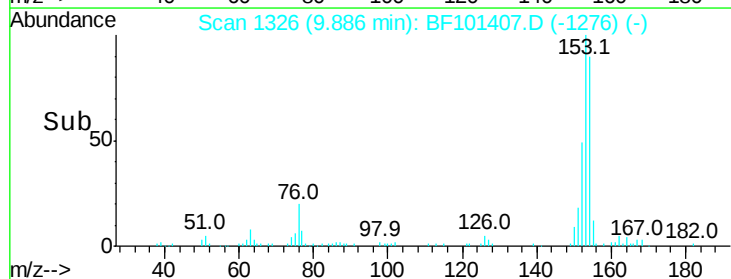
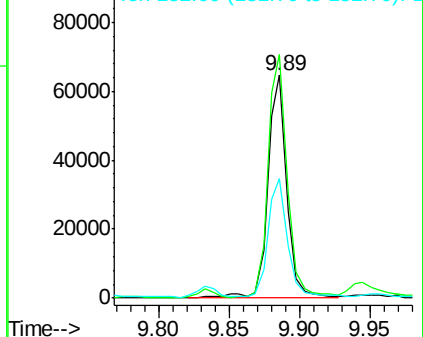


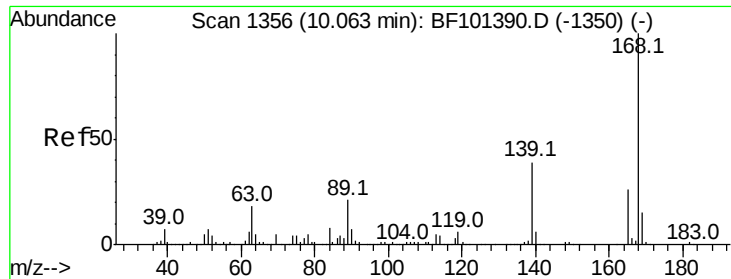
#51
Acenaphthene
Concen: 2.941 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion:154 Resp: 61062
Ion Ratio Lower Upper
154 100
153 109.4 91.2 136.8
152 53.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

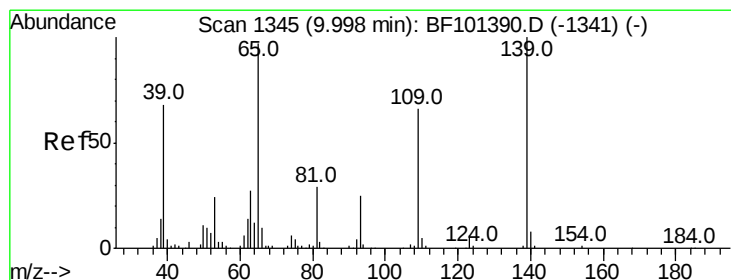
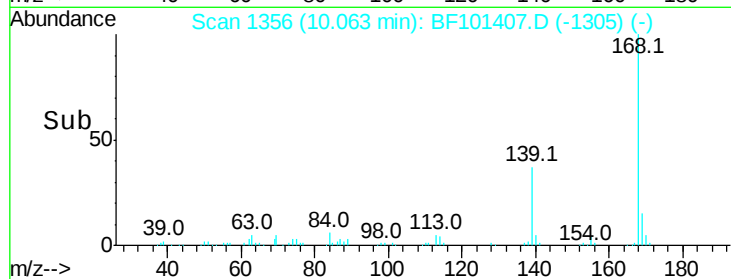
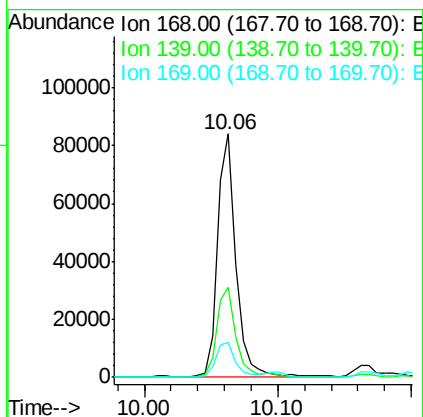
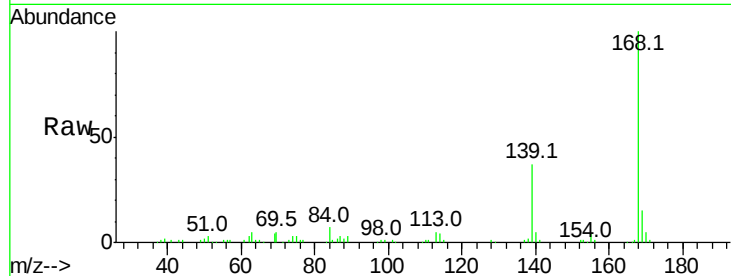




#54
Dibenzenofuran
Concen: 3.132 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

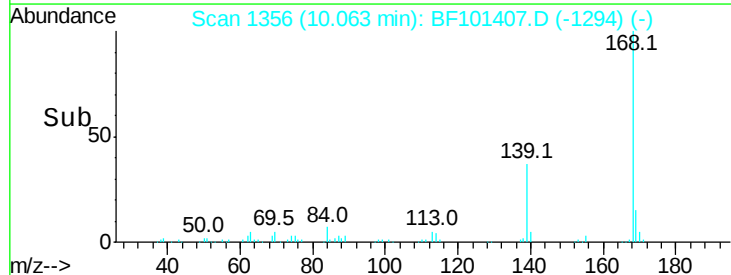
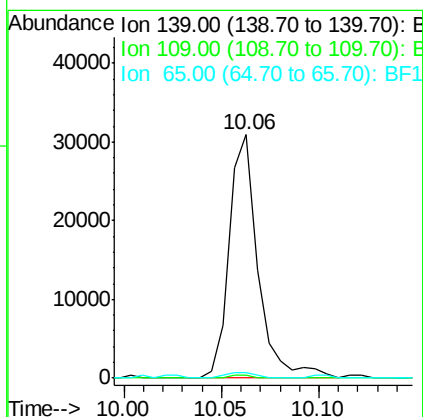
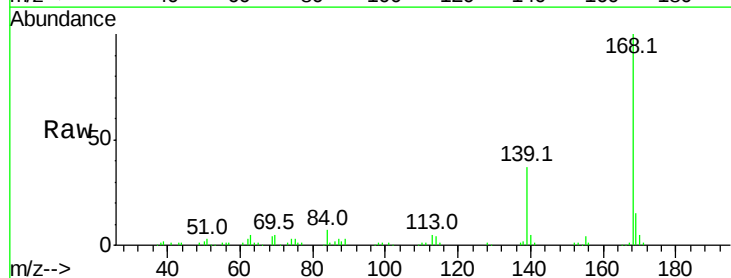
Instrument :
BNA_F
ClientSampleId :

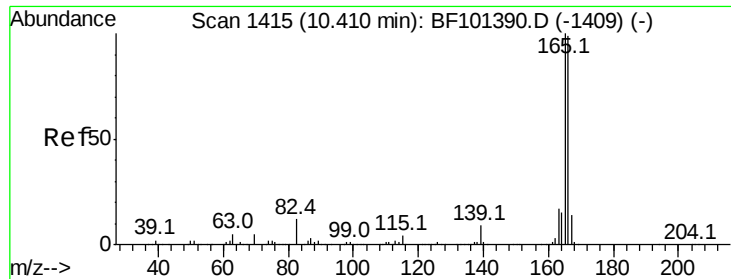
Tot Ion:168 Resp: 82618
Ion Ratio Lower Upper
168 100
139 36.8 30.1 45.1
169 14.6 10.9 16.3



#55
4-Nitrophenol
Concen: 11.064 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.06 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion:139 Resp: 31701
Ion Ratio Lower Upper
139 100
109 1.0 48.4 88.4#
65 2.4 72.6 112.6#

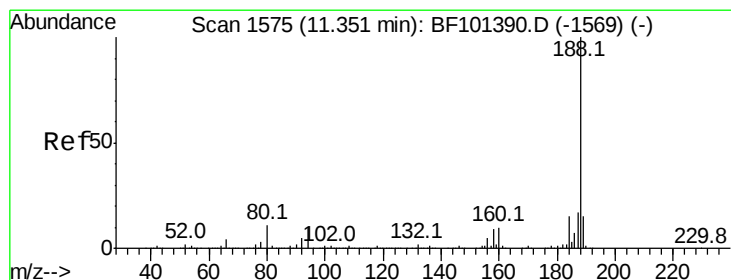
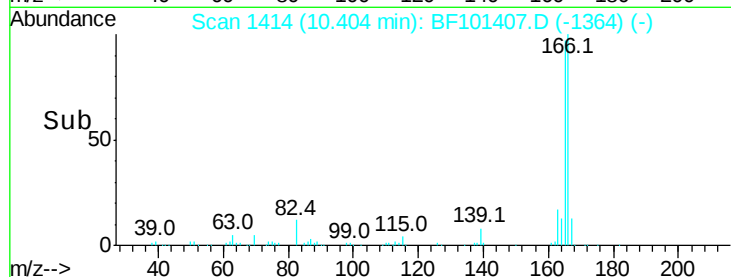
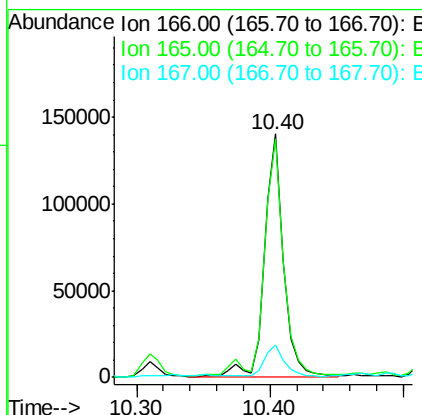
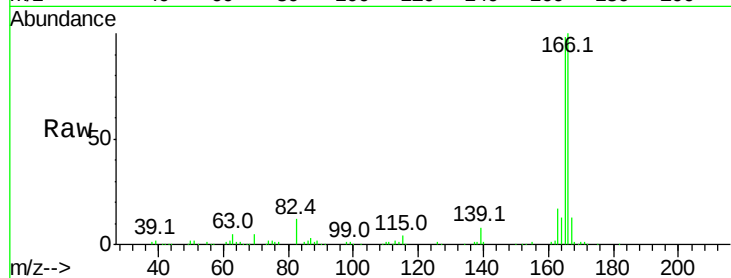




#57
 Fluorene
 Concen: 6.128 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

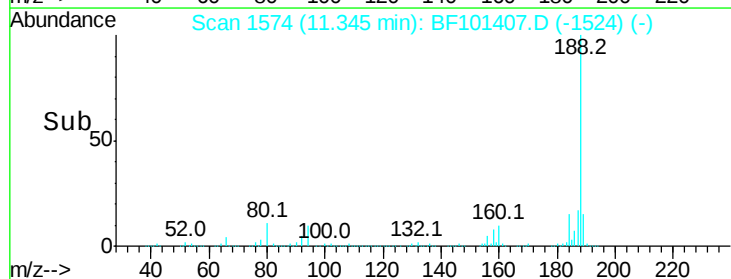
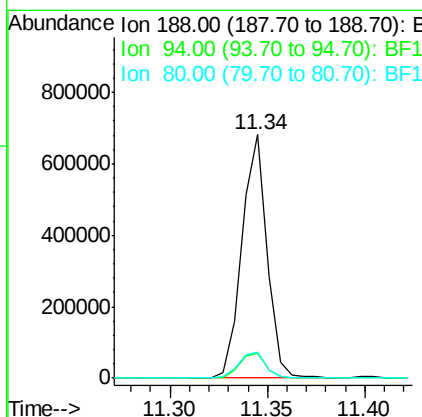
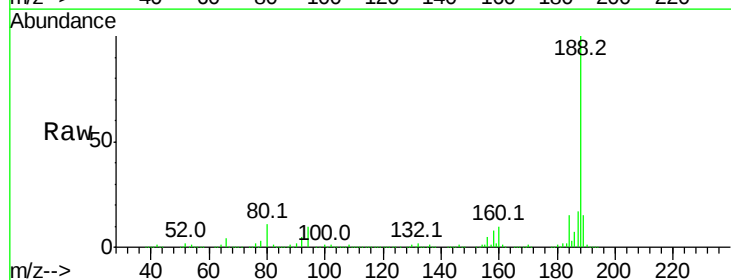
Instrument :
 BNA_F
 ClientSampleId :

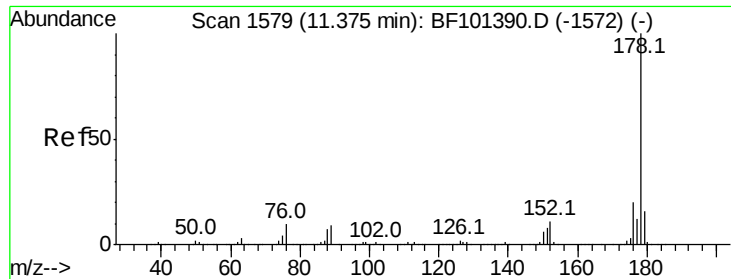
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	13.2	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101407.D
 Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.9	9.2	13.8

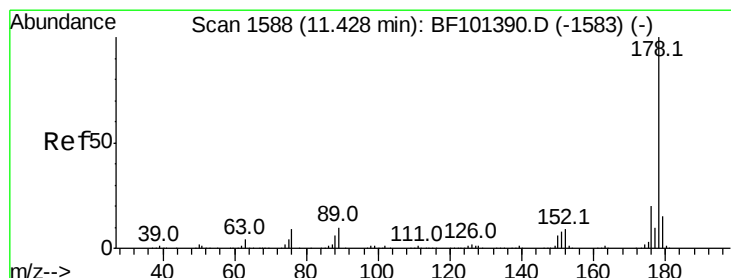
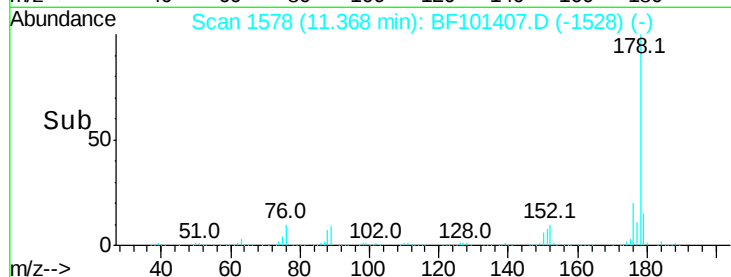
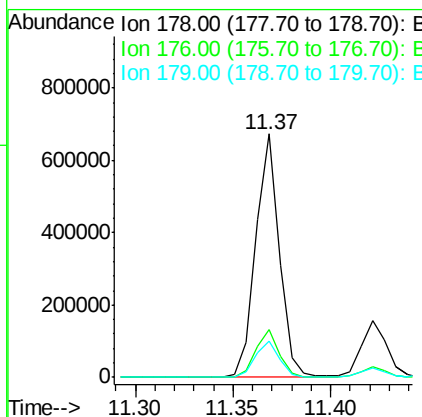
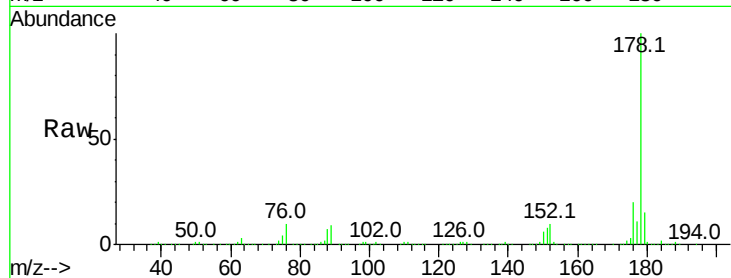




#70
Phenanthrene
Concen: 16.771 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

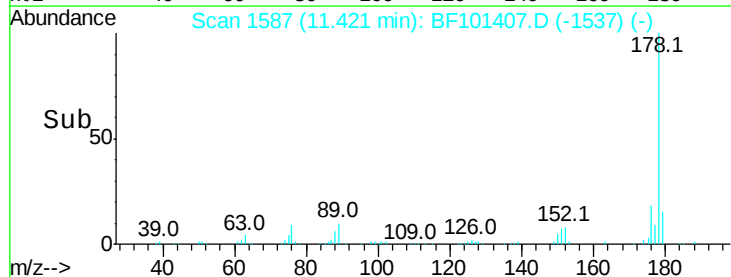
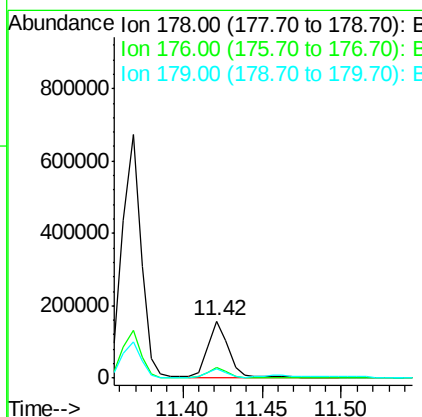
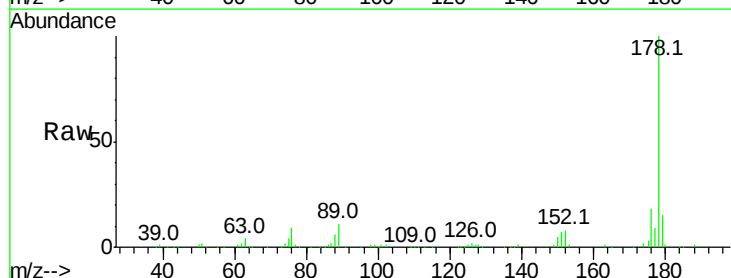
Instrument :
BNA_F
ClientSampleId :

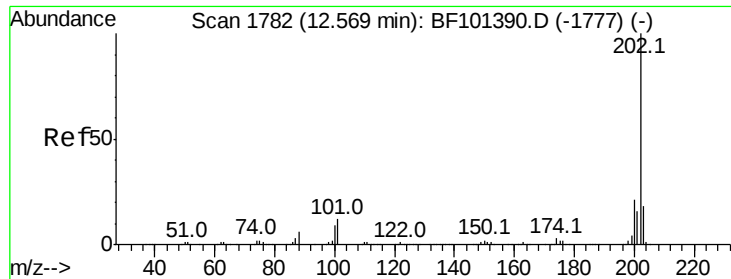
Tot Ion:178 Resp: 564892
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 4.214 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion:178 Resp: 144987
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.3 12.6 19.0





#74

Fluoranthene

Concen: 10.204 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

ClientSampled :

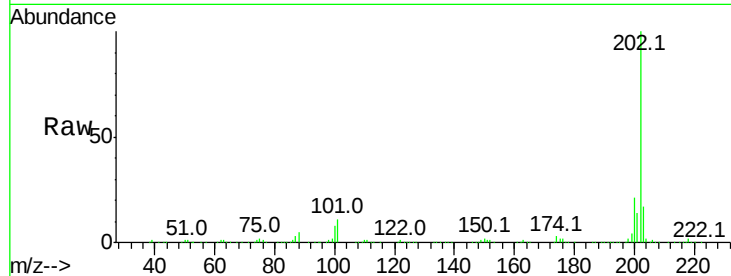
Tot Ion:202 Resp: 360771

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

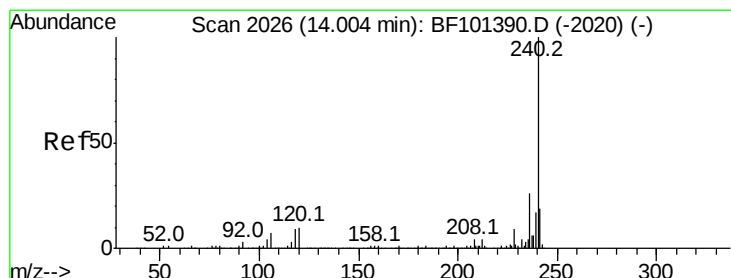
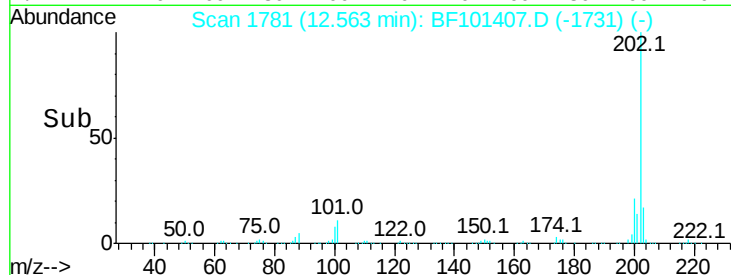
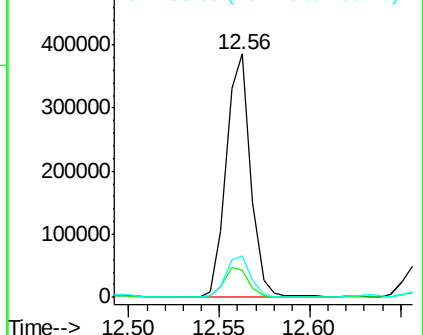
203 17.2 0.0 38.1



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

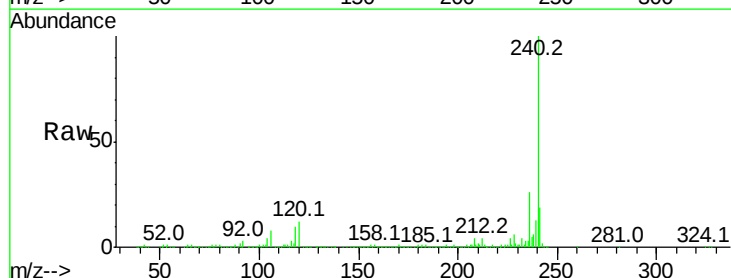
Tgt Ion:240 Resp: 411292

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

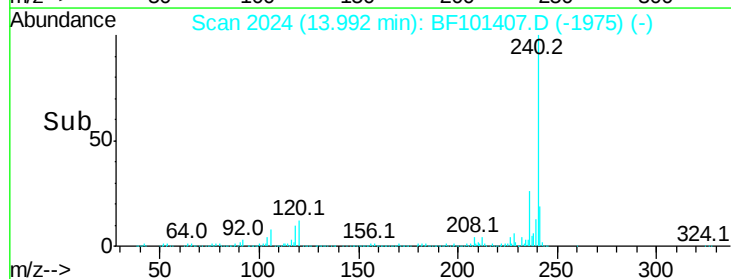
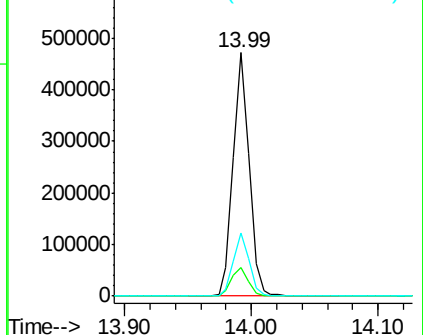
236 25.7 20.7 31.1

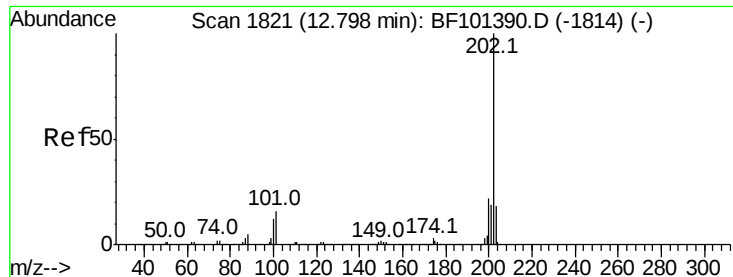


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 11.170 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

ClientSampleId :

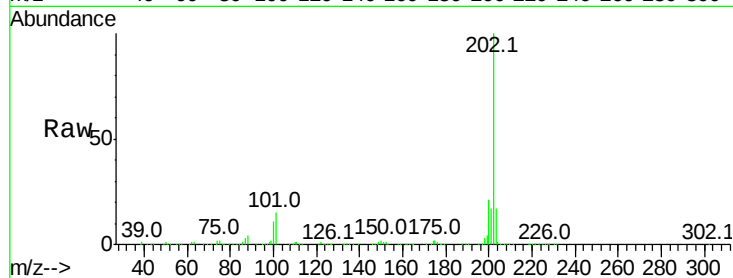
Tot Ion:202 Resp: 344791

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

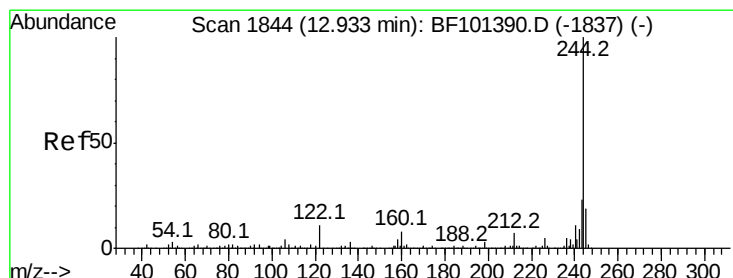
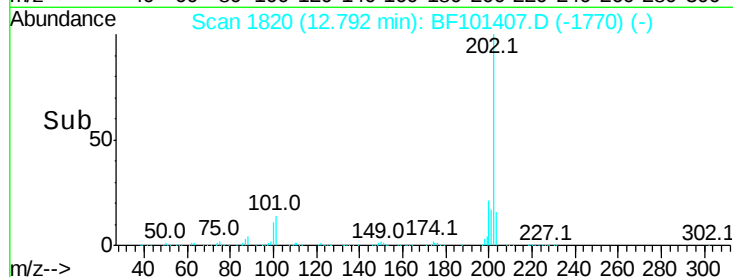
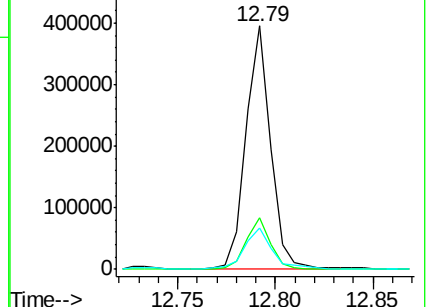
203 17.2 14.3 21.5



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: 0.159 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

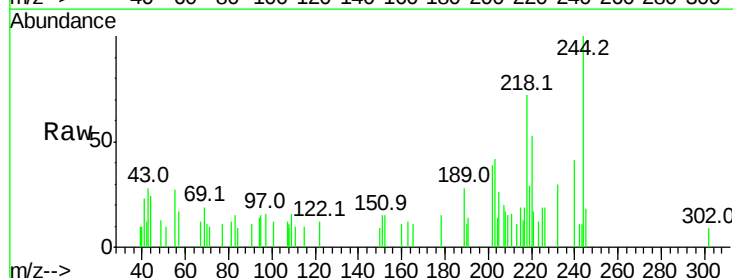
Tgt Ion:244 Resp: 2716

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.0#

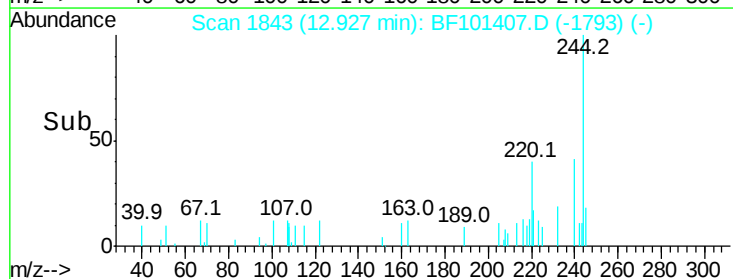
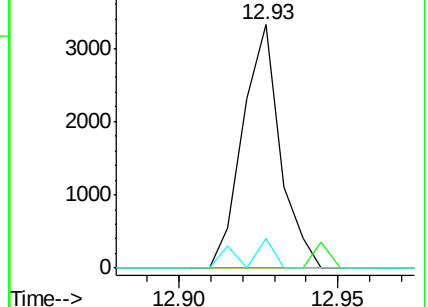
122 12.2 11.0 16.4

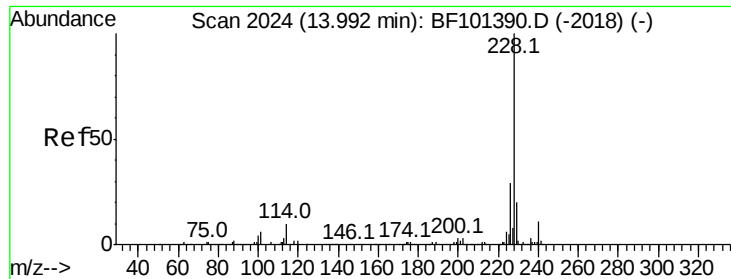


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

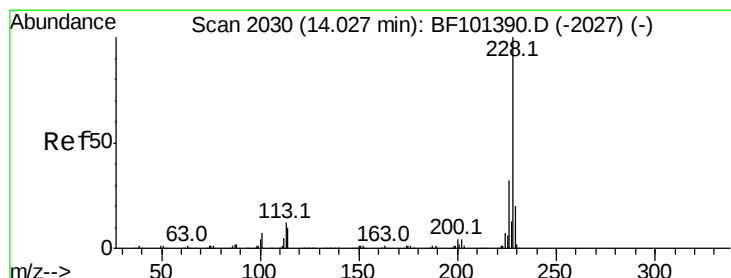
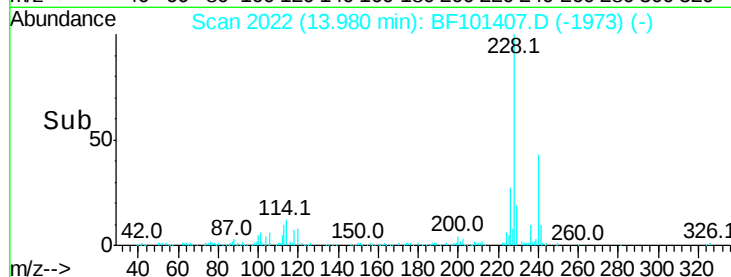
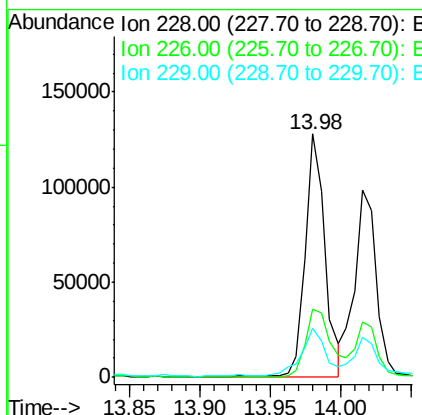
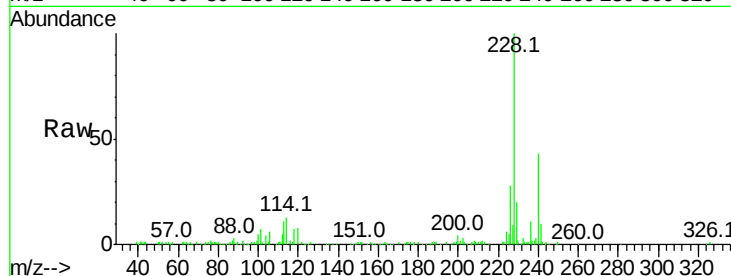




#80
Benzo(a)anthracene
Concen: 4.617 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

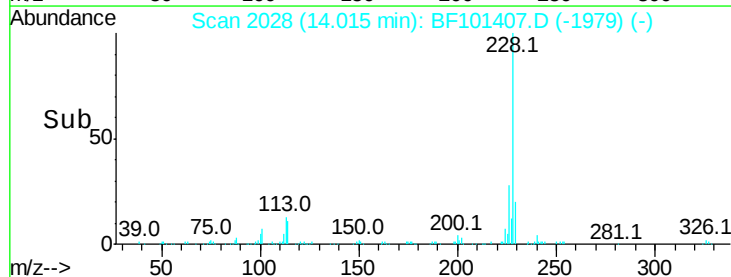
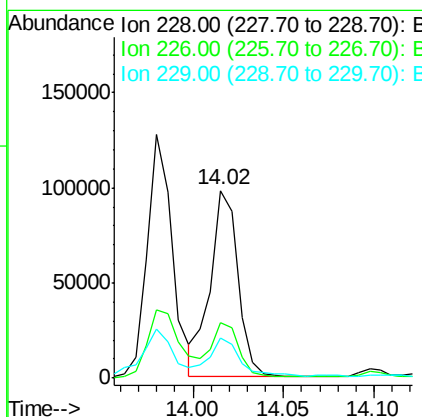
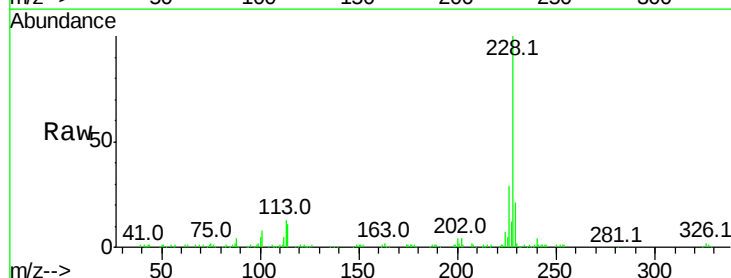
Instrument :
BNA_F
ClientSampleId :

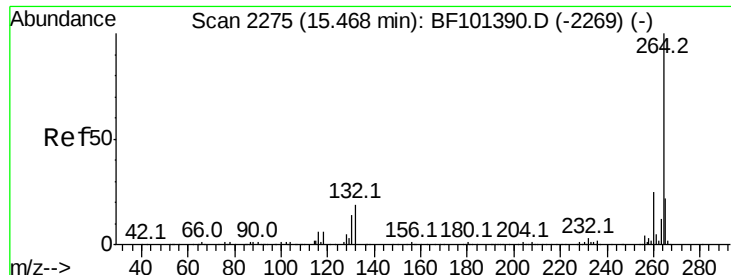
Tot Ion:228 Resp: 125383
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.1 15.8 23.6



#82
Chrysene
Concen: 4.111 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion:228 Resp: 105407
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 21.4 16.2 24.4

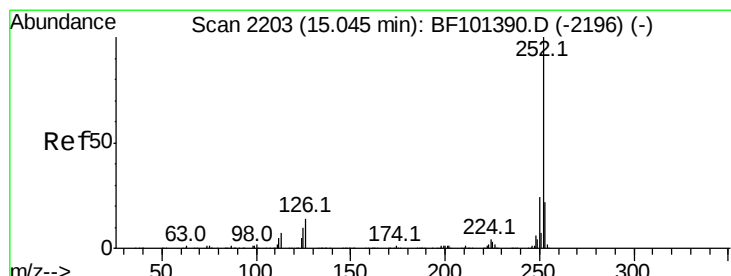
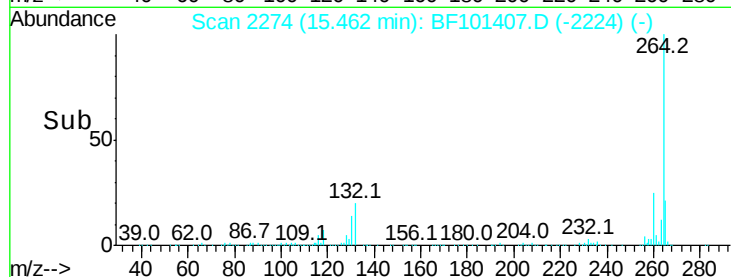
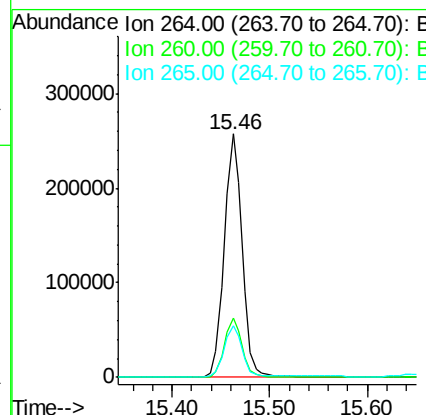
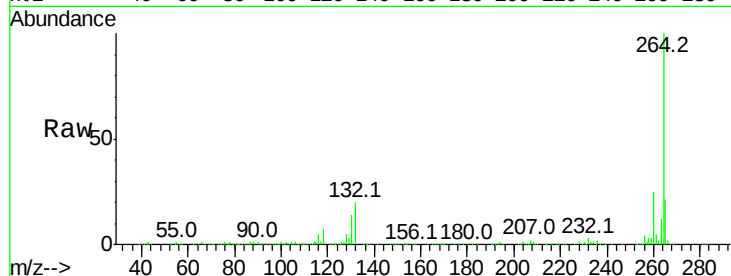




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

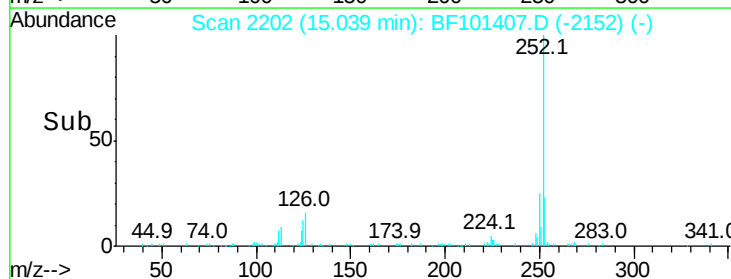
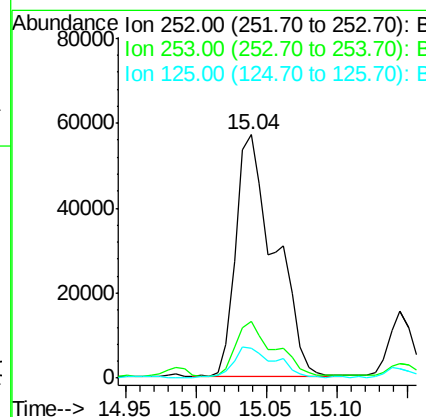
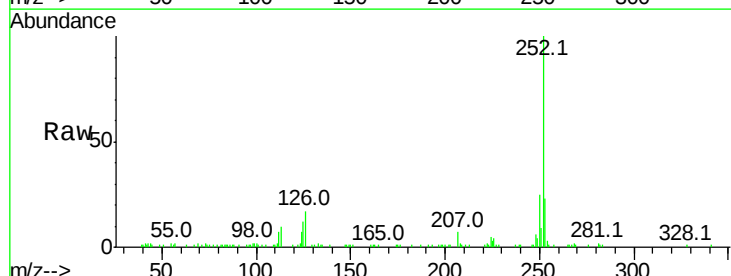
Instrument :
BNA_F
ClientSampleId :

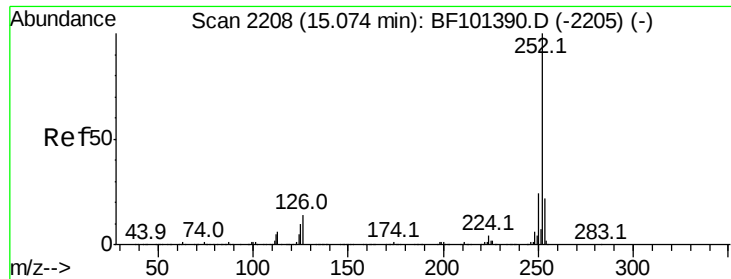
Tot Ion:264 Resp: 328070
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.465 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion:252 Resp: 109273
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 12.5 9.0 13.6

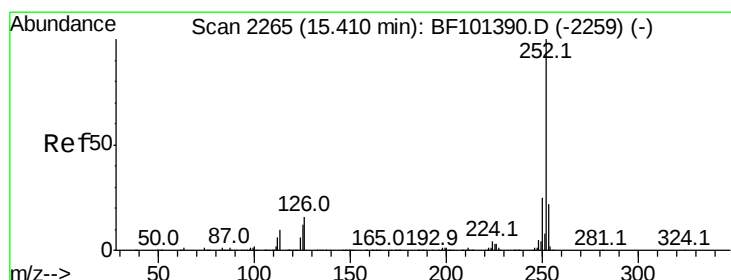
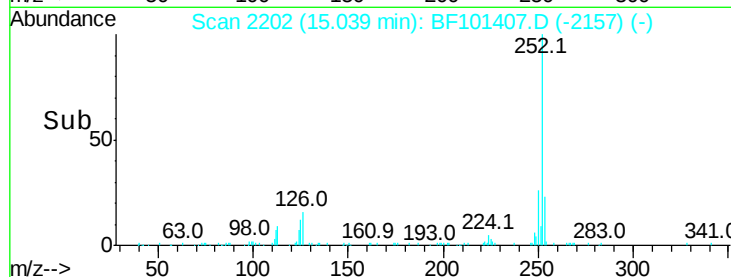
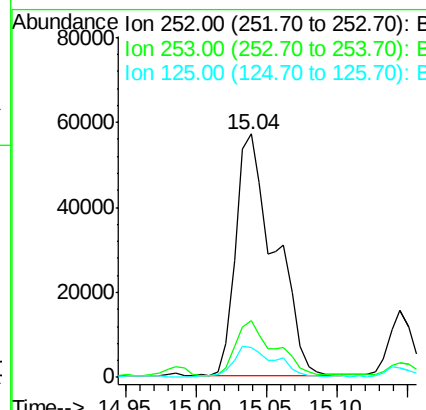
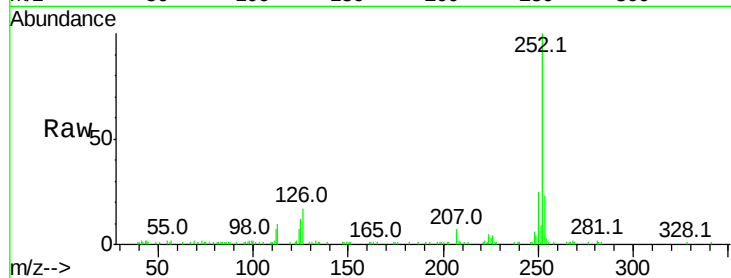




#88
Benzo(k)fluoranthene
Concen: 5.620 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

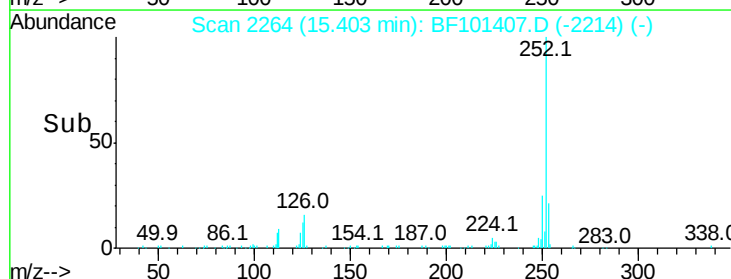
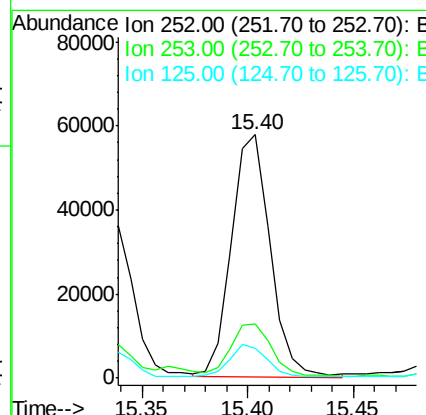
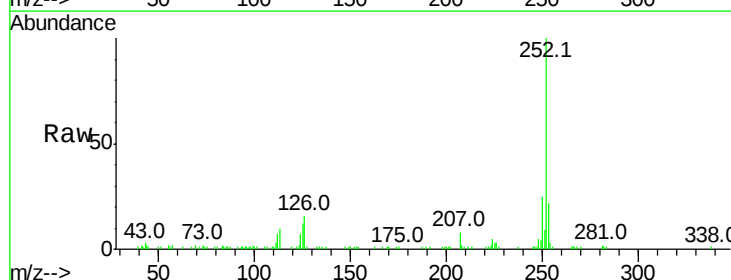
Instrument :
BNA_F
ClientSampleId :

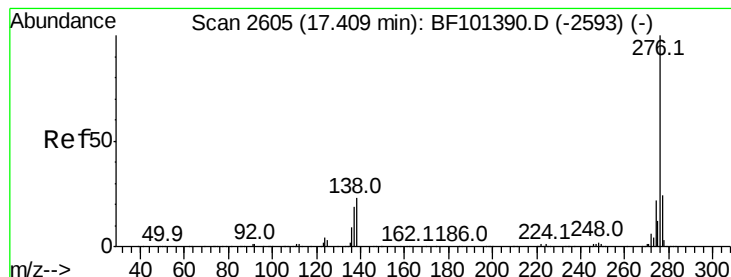
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.987 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101407.D
Acq: 14 Dec 2017 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	12.3	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.494 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF101407.D

Acq: 14 Dec 2017 21:37

Instrument :

BNA_F

ClientSampleId :

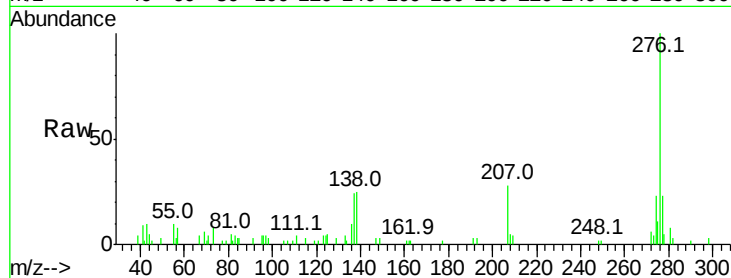
Tot Ion: 276 Resp: 39080

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 24.9 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

