

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101319.D
 Acq On : 12 Dec 2017 7:23
 Operator : SJ/JU
 Sample : I6764-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 12 09:55:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

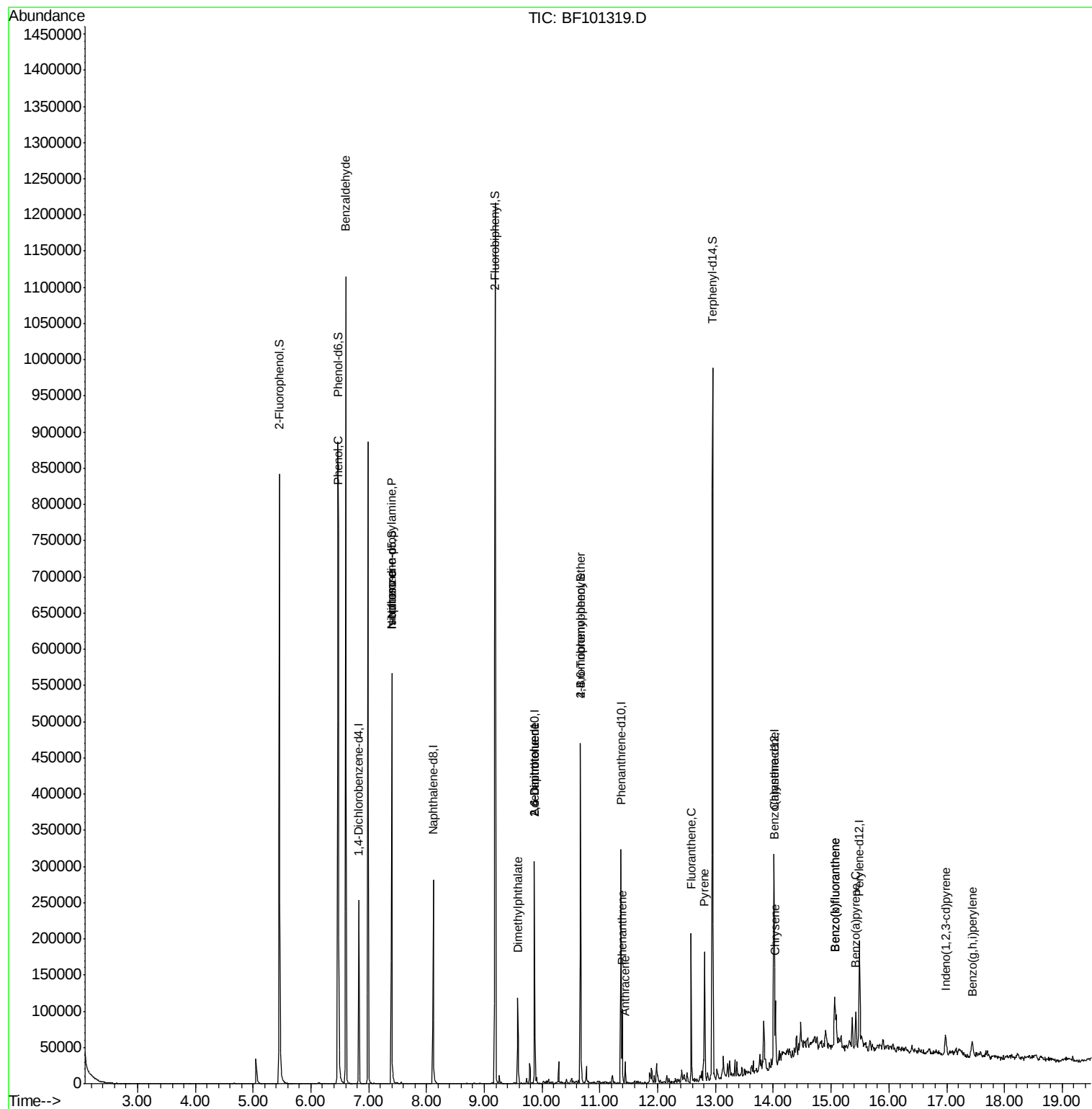
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	39502	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	143638	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	60804	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	111026	20.00	ng	0.00
75) Chrysene-d12	14.02	240	83654	20.00	ng	0.01
86) Perylene-d12	15.49	264	65447	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	265178	110.93	ng	0.02
7) Phenol-d6	6.47	99	316226	108.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	173184	71.92	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	65496	89.67	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	377354	84.91	ng	0.00
78) Terphenyl-d14	12.95	244	315892	82.59	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.60	77	5826	3.280	ng	87
10) Phenol	6.48	94	8716	2.701	ng	# 66
19) n-Nitroso-di-n-propylamine	7.40	70	22798	11.664	ng	# 81
25) Isophorone	7.40	82	173182	42.107	ng	# 64
49) Dimethylphthalate	9.58	163	43558	8.883	ng	99
50) 2,6-Dinitrotoluene	9.87	165	7739	7.493	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	7739	5.591	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	3560	2.865	ng	# 1
70) Phenanthrene	11.39	178	35404	5.791	ng	98
71) Anthracene	11.44	178	13054	2.110	ng	98
74) Fluoranthene	12.58	202	76170	11.239	ng	96
77) Pyrene	12.81	202	75754	13.124	ng	96
80) Benzo(a)anthracene	14.00	228	37039	7.013	ng	98
82) Chrysene	14.04	228	31807	6.484	ng	98
85) Indeno(1,2,3-cd)pyrene	16.98	276	15947	3.657	ng	# 87
87) Benzo(b)fluoranthene	15.06	252	48113	12.273	ng	96
88) Benzo(k)fluoranthene	15.06	252	48113	12.457	ng	96
89) Benzo(a)pyrene	15.43	252	27113	7.608	ng	97
91) Benzo(a,h,i)perylene	17.44	276	15226	5.142	ng	95

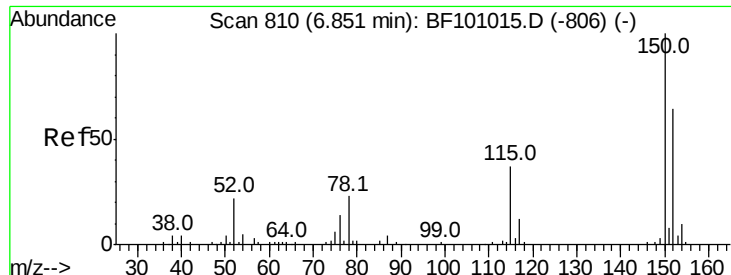
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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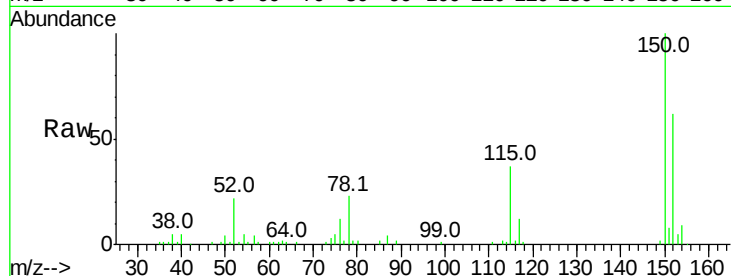


#1

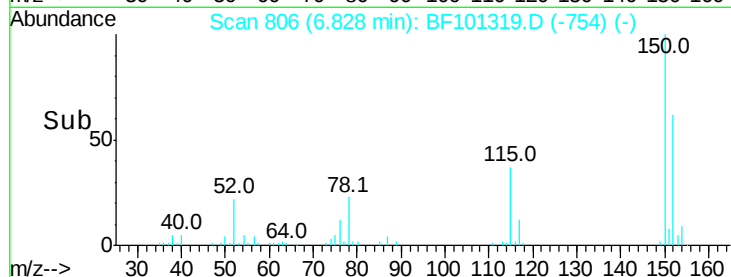
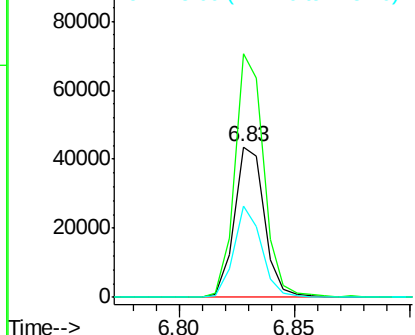
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 39502
Ion Ratio Lower Upper
152 100
150 162.0 124.6 186.8
115 60.7 50.1 75.1



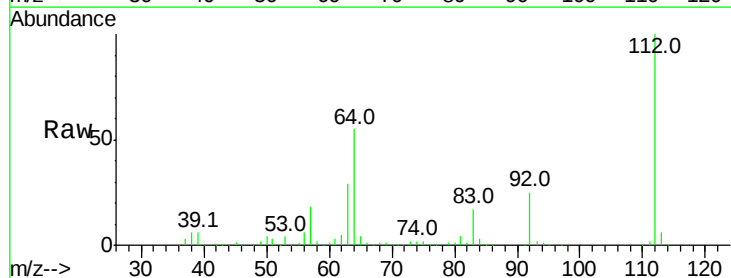
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



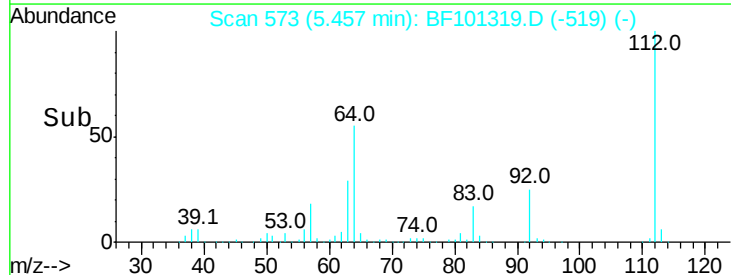
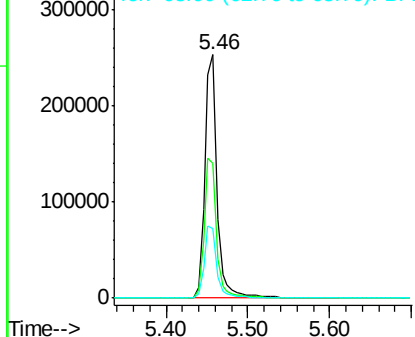
#5

2-Fluorophenol
Concen: 110.929 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:112 Resp: 265178
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 28.7 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: 108.956 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampleId :

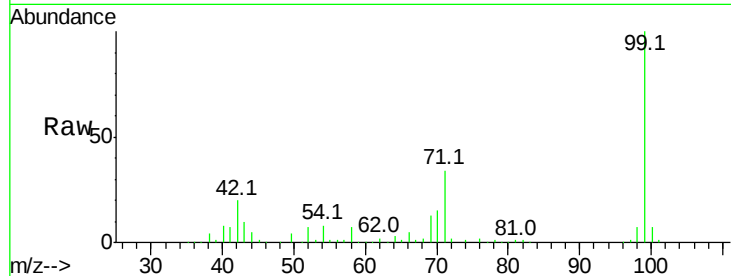
Tot Ion: 99 Resp: 316226

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

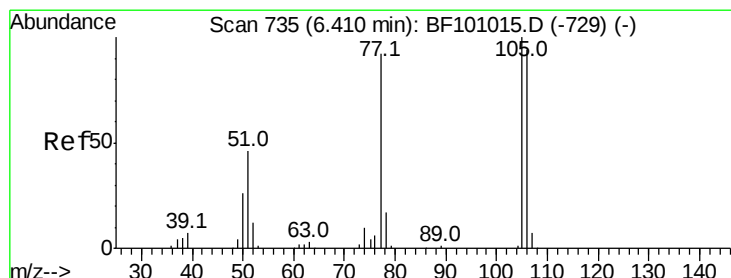
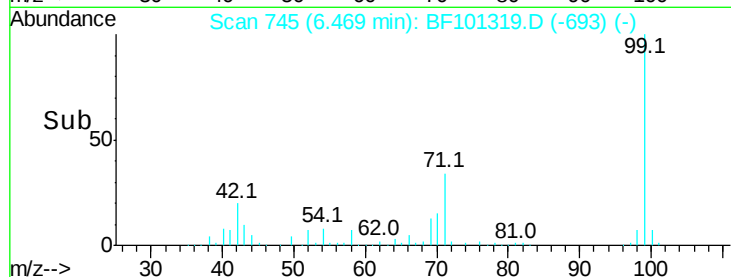
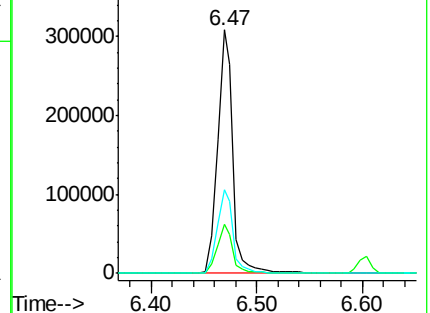
71 34.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.280 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

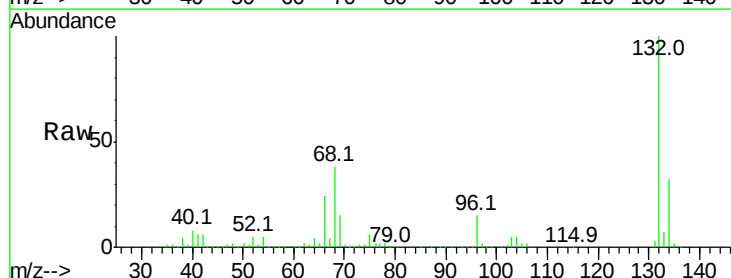
Tgt Ion: 77 Resp: 5826

Ion Ratio Lower Upper

77 100

105 84.4 81.1 121.1

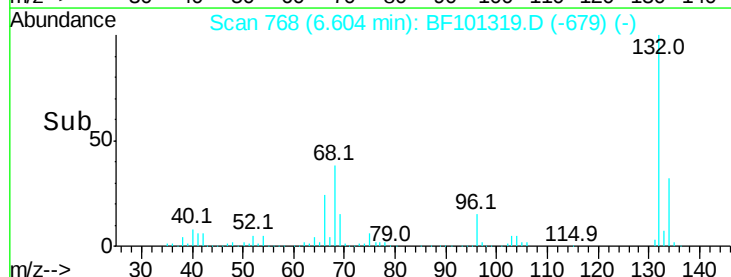
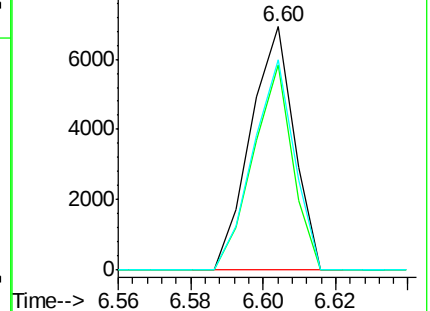
106 86.3 74.5 114.5

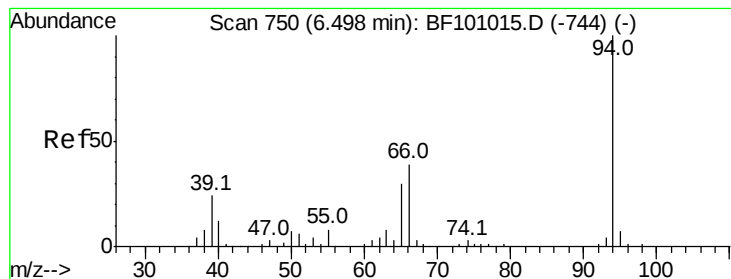


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.701 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampleId :

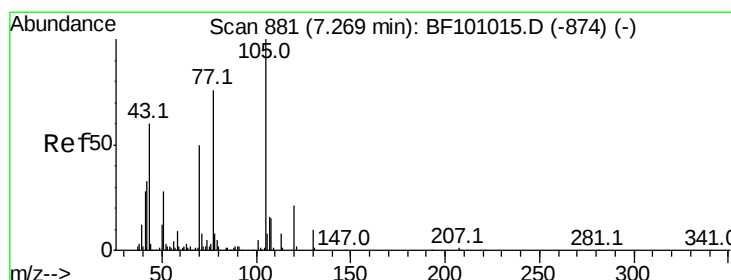
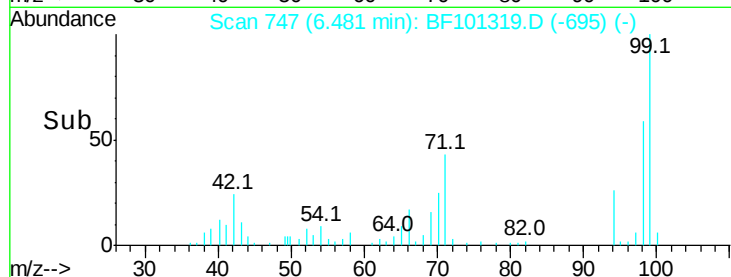
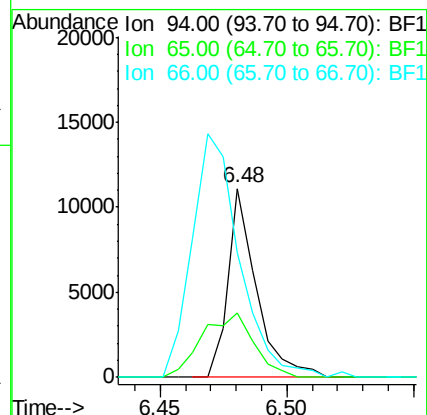
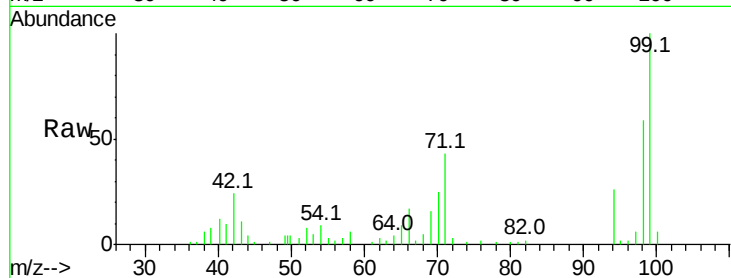
Tot Ion: 94 Resp: 8716

Ion Ratio Lower Upper

94 100

65 34.4 7.9 47.9

66 66.2 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.664 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.16 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Tgt Ion: 70 Resp: 22798

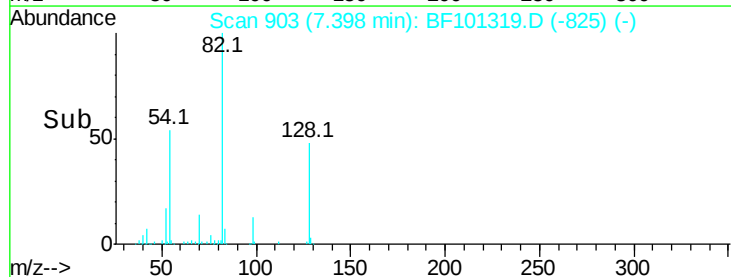
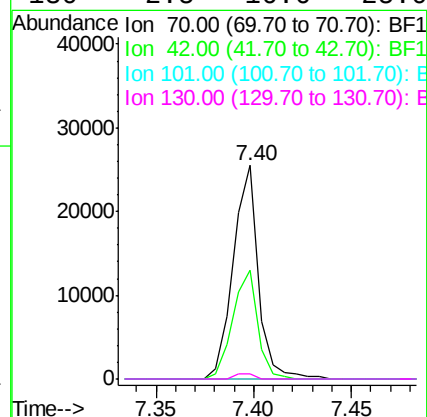
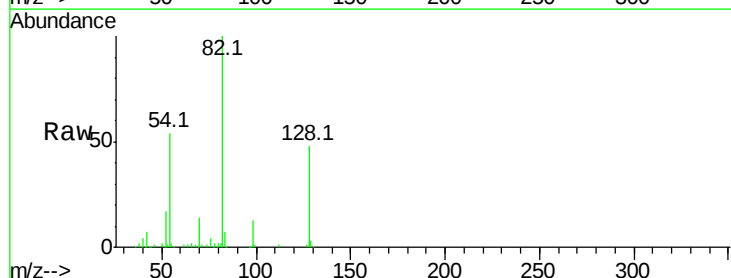
Ion Ratio Lower Upper

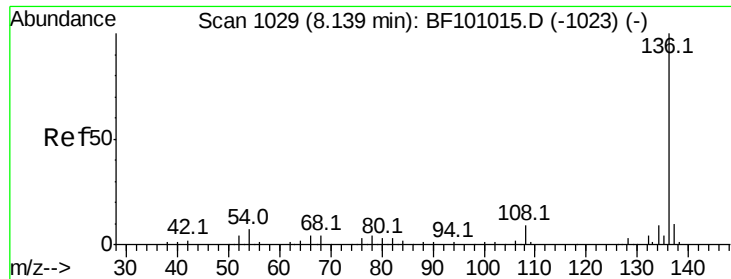
70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

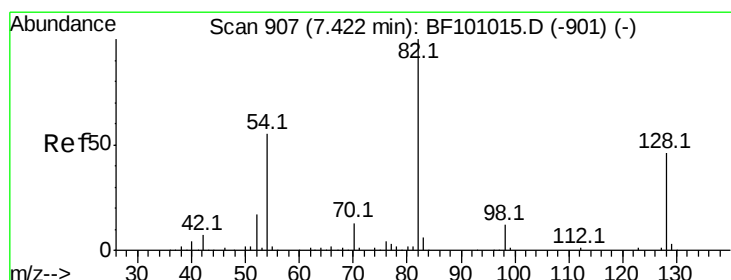
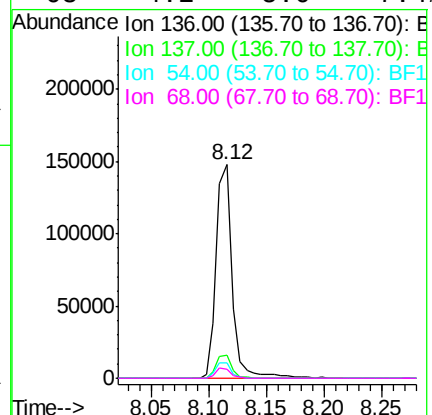
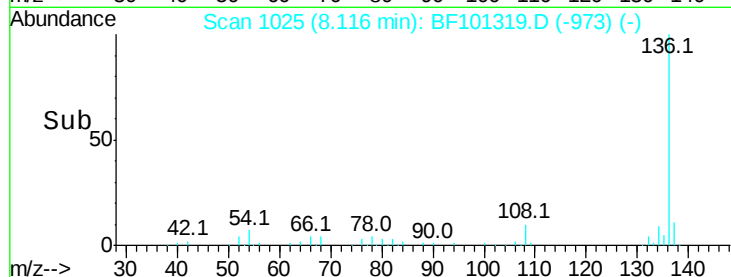
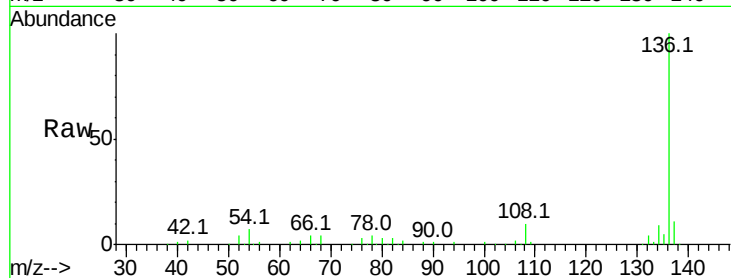




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

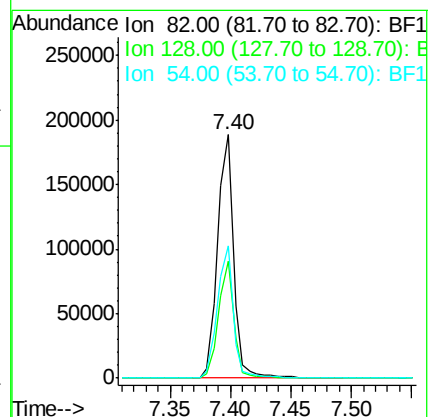
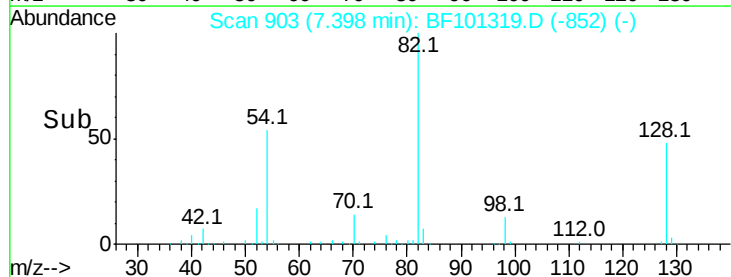
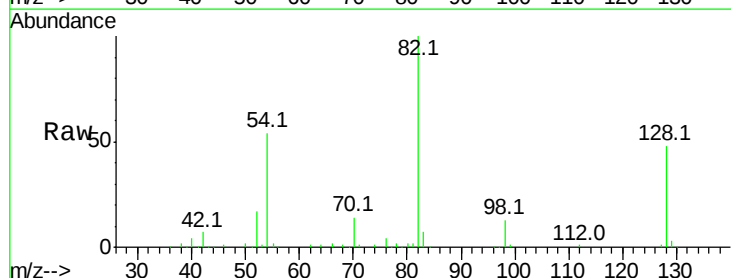
Instrument :
BNA_F
ClientSampleId :

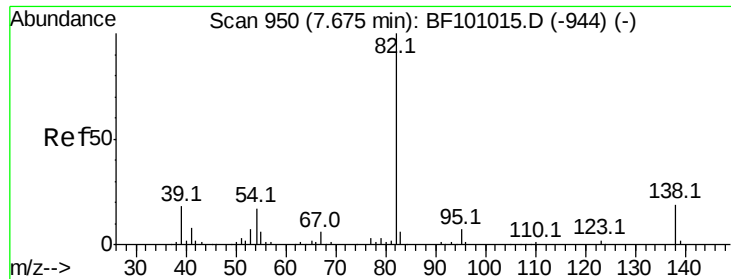
Tot Ion:	136	Resp:	143638
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.2	6.6	9.8
68	4.2	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 71.924 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:	82	Resp:	173184
Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	54.1	41.4	62.2





#25

Isophorone

Concen: 42.107 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampled :

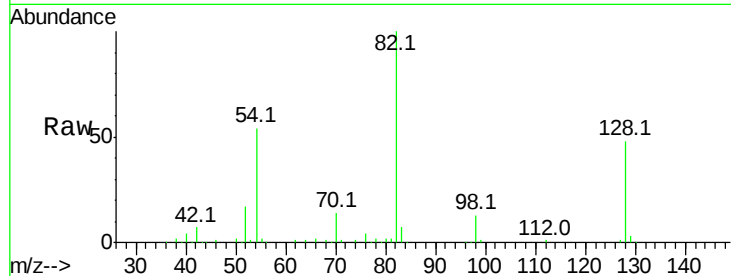
Tot Ion: 82 Resp: 173182

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

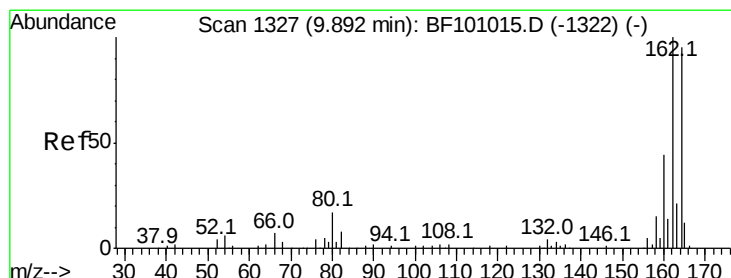
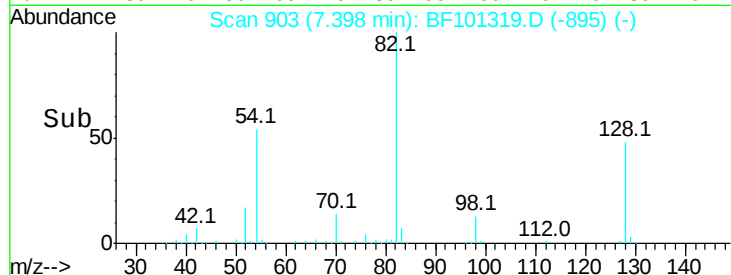
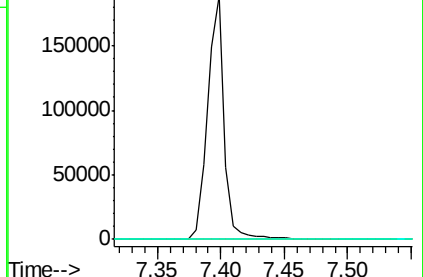
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

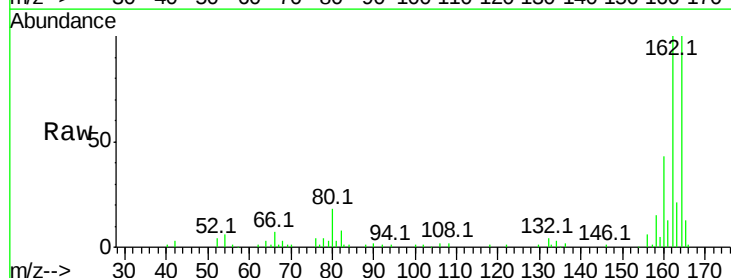
Tgt Ion:164 Resp: 60804

Ion Ratio Lower Upper

164 100

162 99.8 86.1 129.1

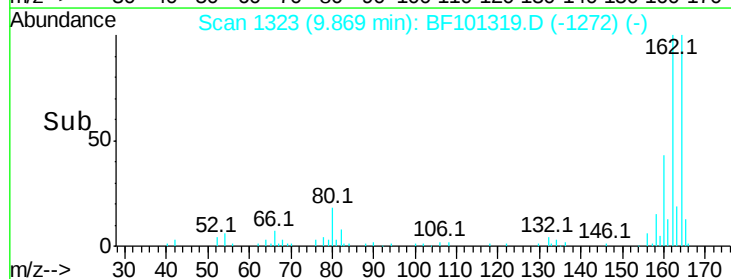
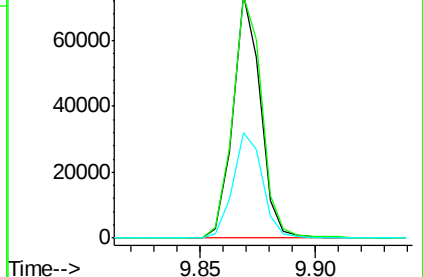
160 43.1 38.3 57.5

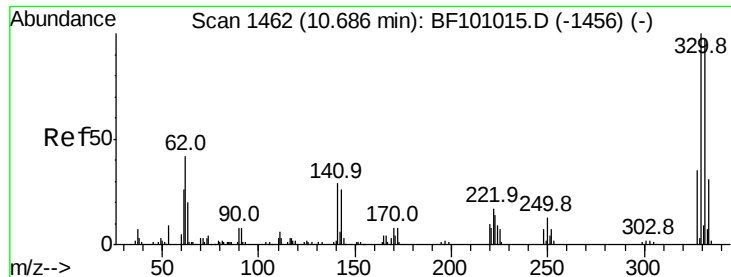


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 89.668 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampleId :

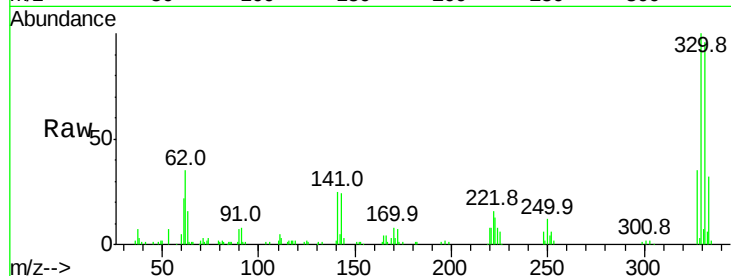
Tot Ion:330 Resp: 65496

Ion Ratio Lower Upper

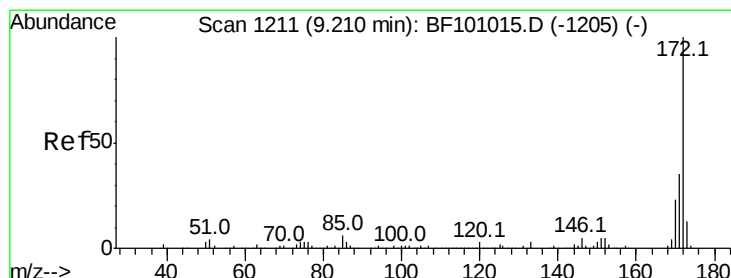
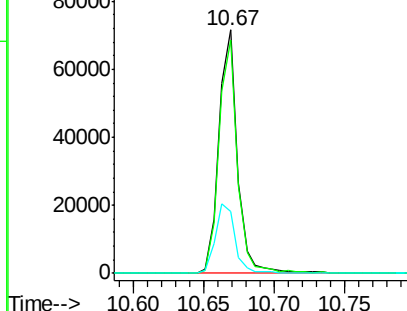
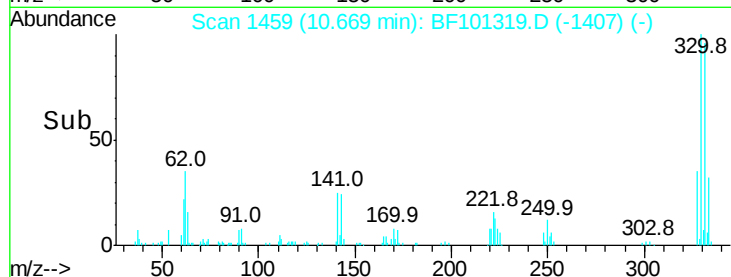
330 100

332 95.6 77.0 115.6

141 30.2 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: 84.911 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

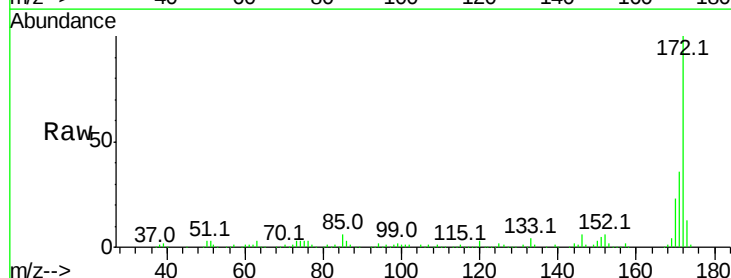
Tgt Ion:172 Resp: 377354

Ion Ratio Lower Upper

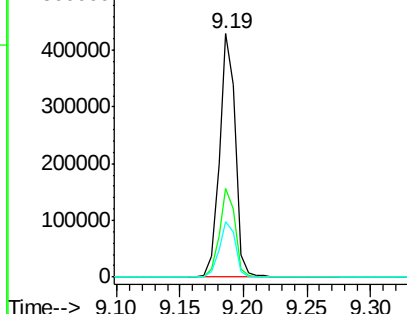
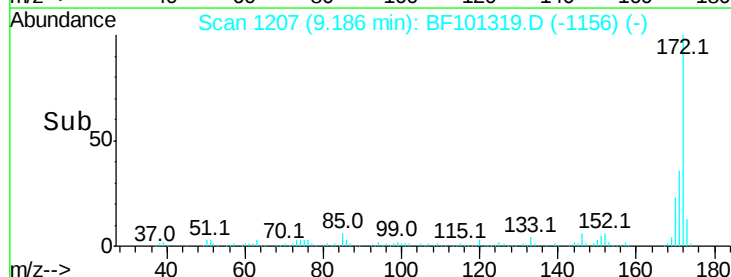
172 100

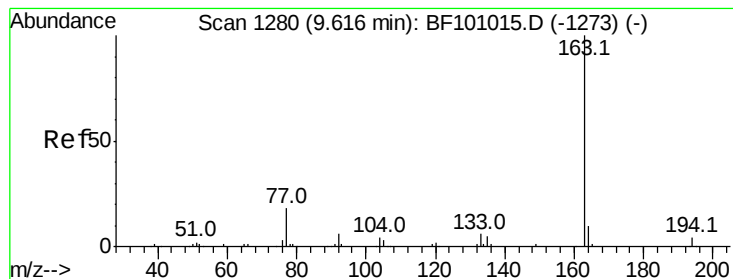
171 36.5 29.7 44.5

170 22.9 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





#49

Dimethylphthalate

Concen: 8.883 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampleId :

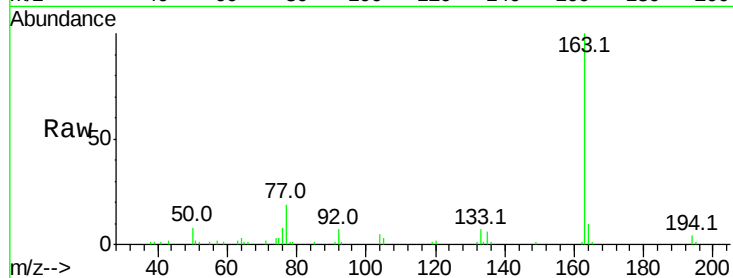
Tot Ion:163 Resp: 43558

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

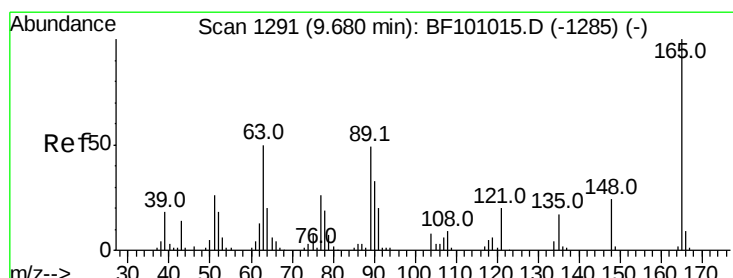
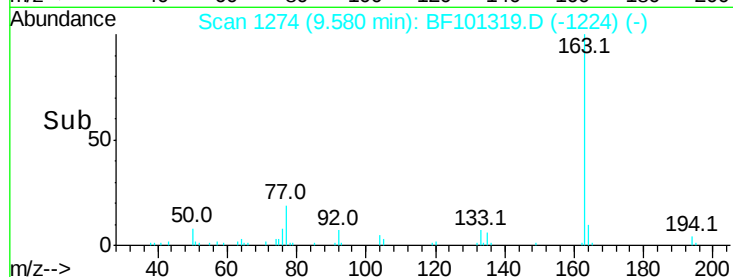
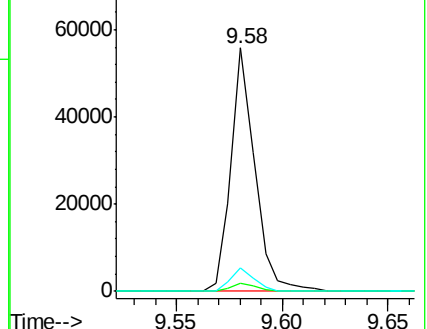
164 9.6 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.493 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

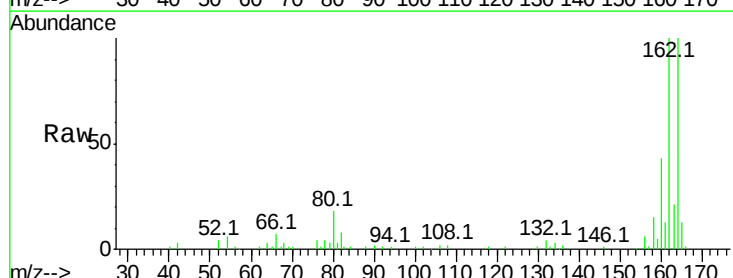
Tgt Ion:165 Resp: 7739

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

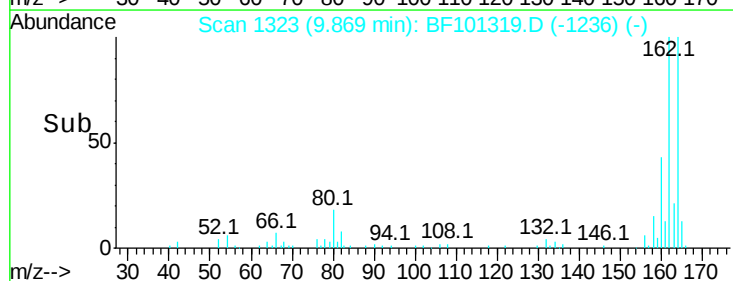
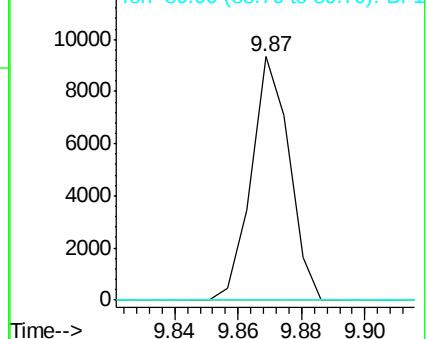
89 0.0 44.0 66.0#

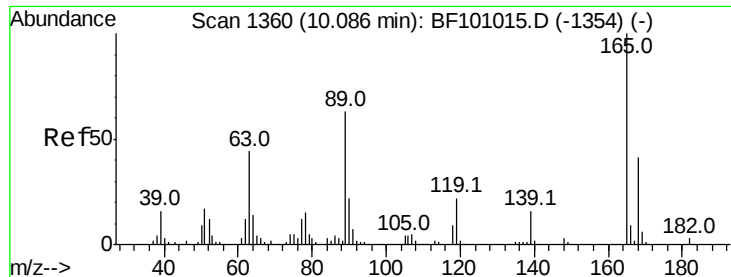


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

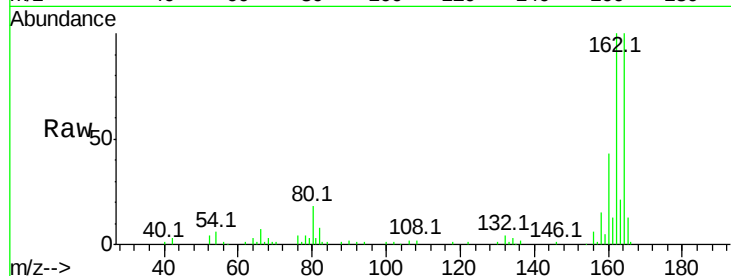




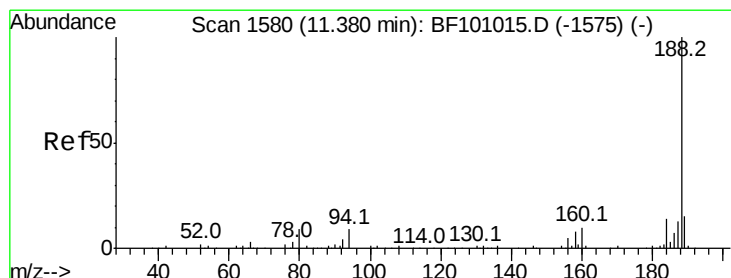
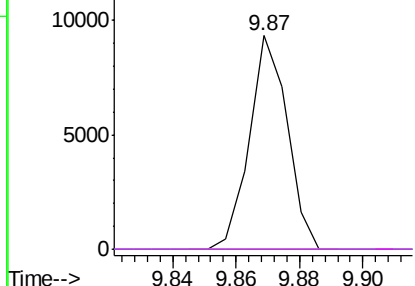
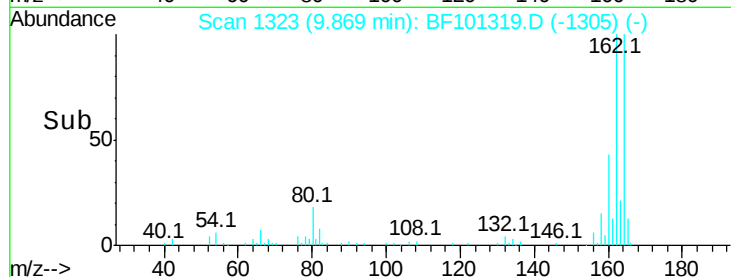
#56
2,4-Dinitrotoluene
Concen: 5.591 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.19 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 7739
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#

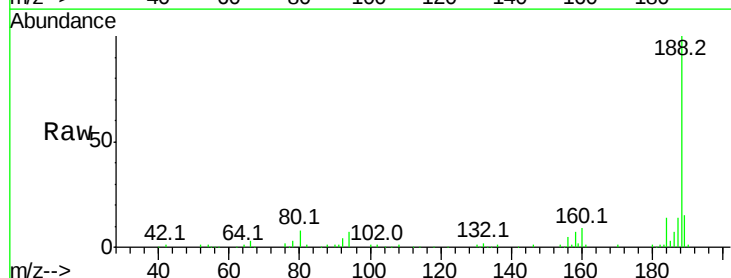


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

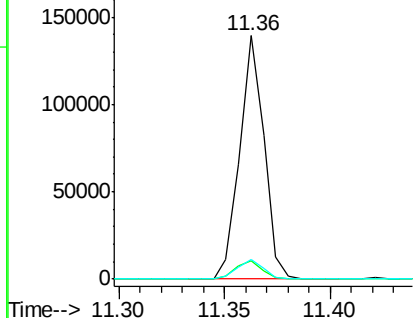
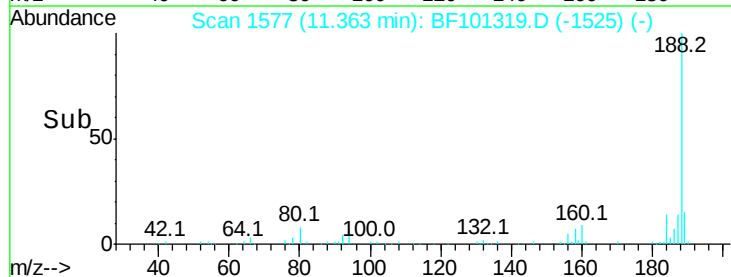


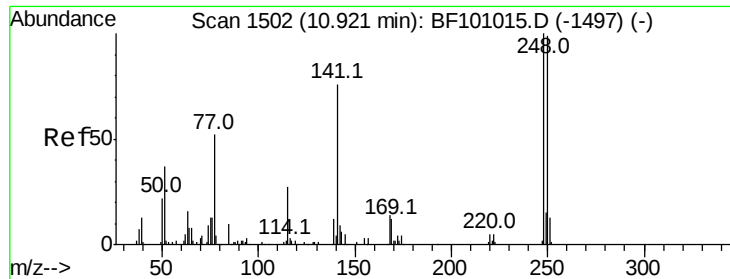
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:188 Resp: 111026
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 7.8 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

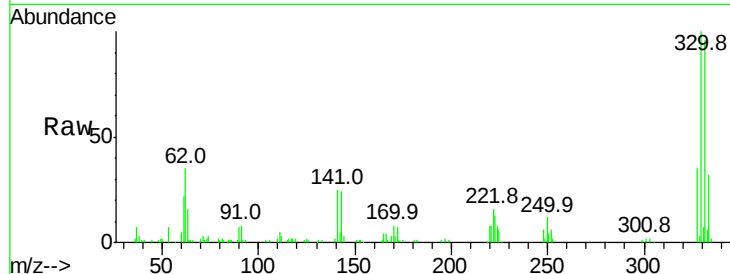




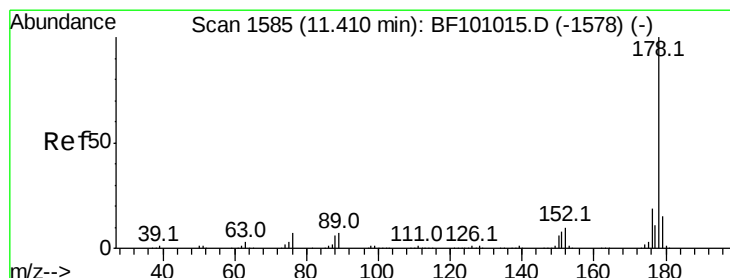
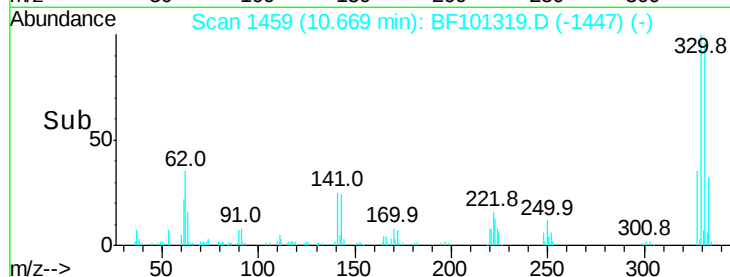
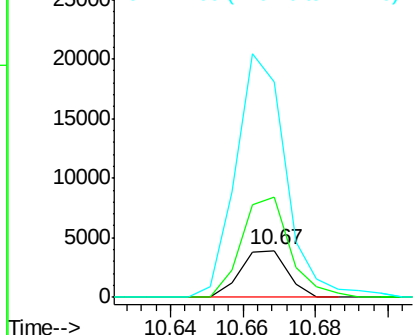
#66
4-Bromophenyl-phenylether
Concen: 2.865 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.23 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 3560
Ion Ratio Lower Upper
248 100
250 212.7 76.9 115.3#
141 460.1 74.4 111.6#

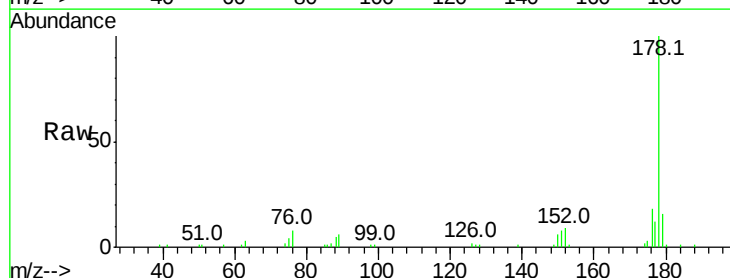


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

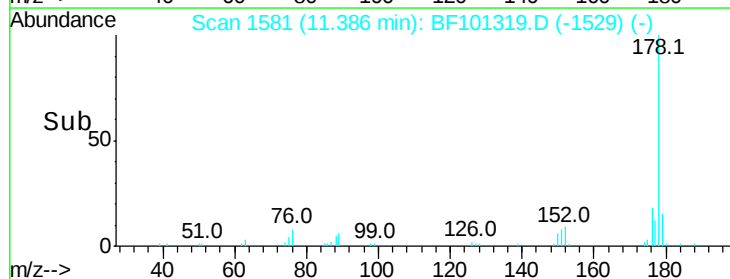
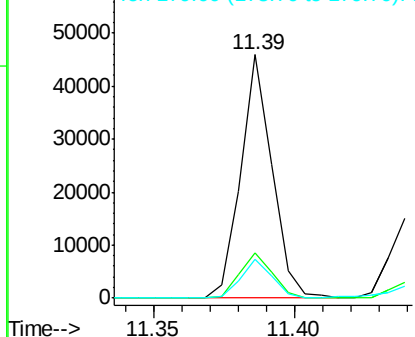


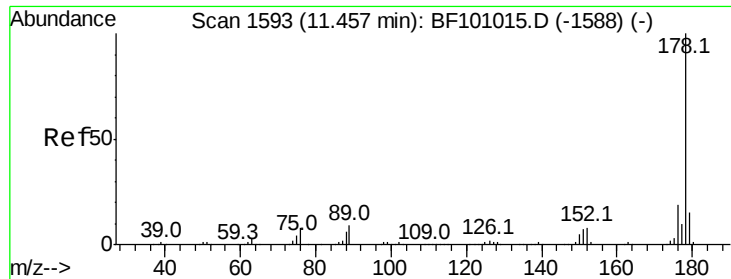
#70
Phenanthrene
Concen: 5.791 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:178 Resp: 35404
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 16.0 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

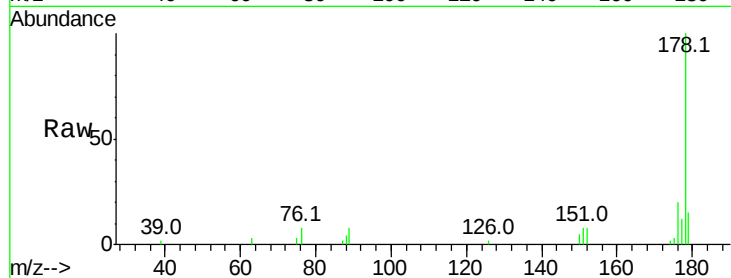




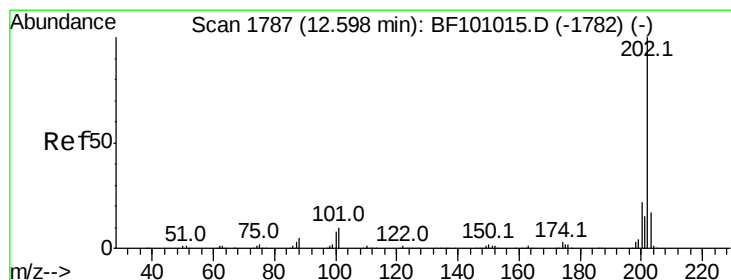
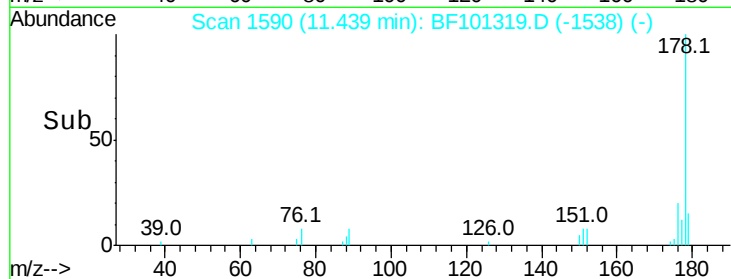
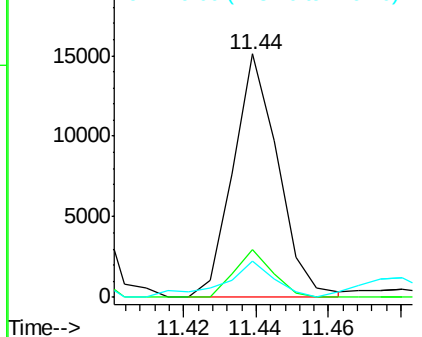
#71
 Anthracene
 Concen: 2.110 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 13054
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 14.7 12.6 19.0

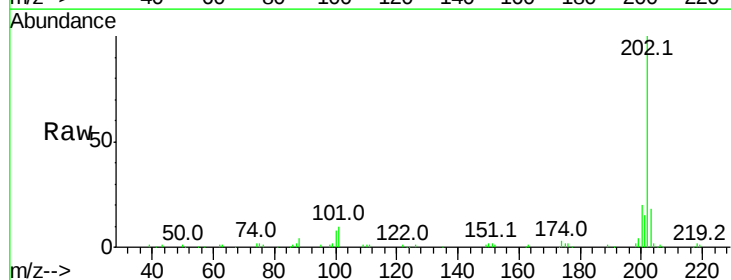


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

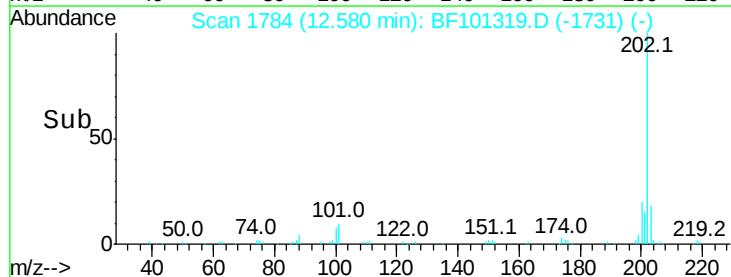
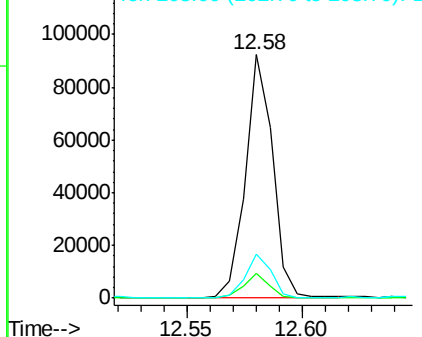


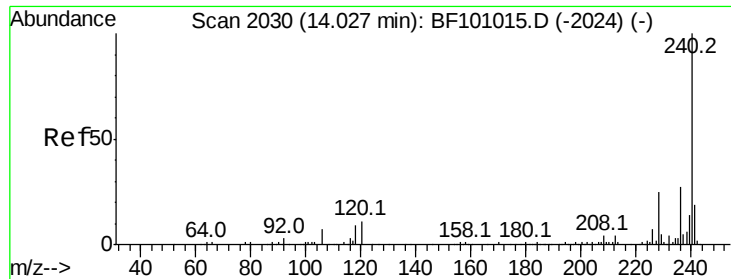
#74
 Fluoranthene
 Concen: 11.239 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Tgt Ion:202 Resp: 76170
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 34.1
 203 18.1 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: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampled :

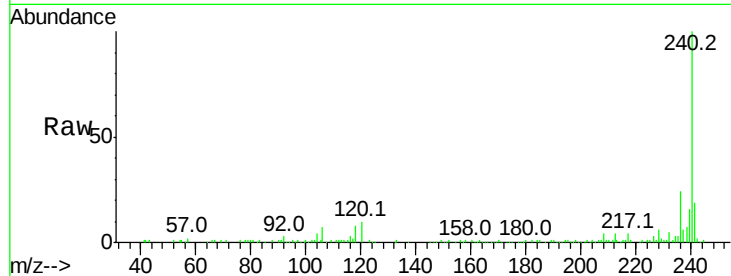
Tot Ion:240 Resp: 83654

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

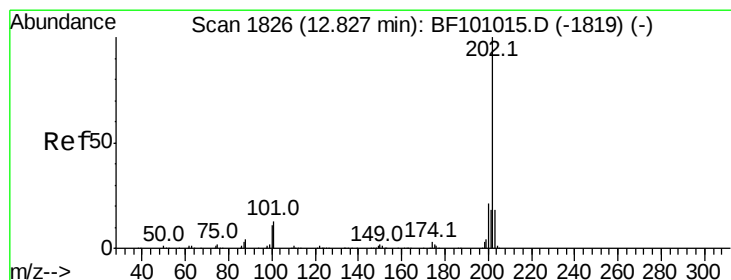
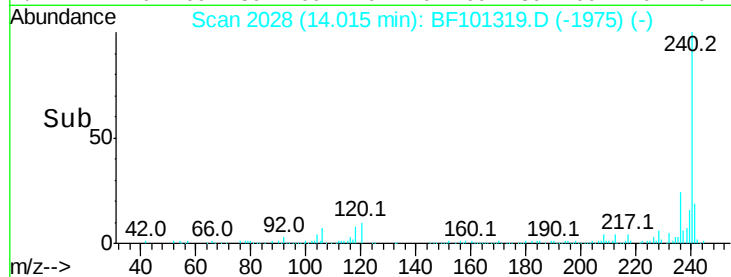
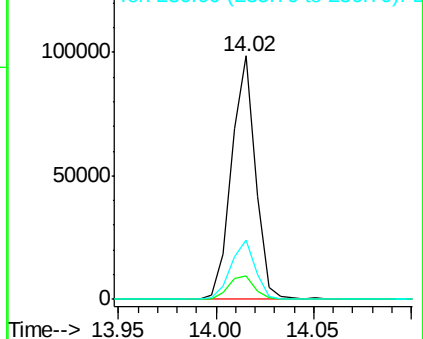
236 24.5 20.7 31.1



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: 13.124 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

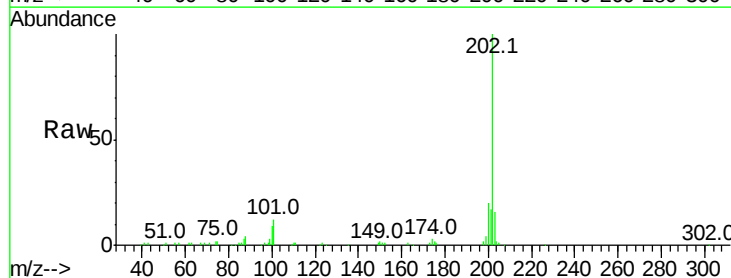
Tgt Ion:202 Resp: 75754

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

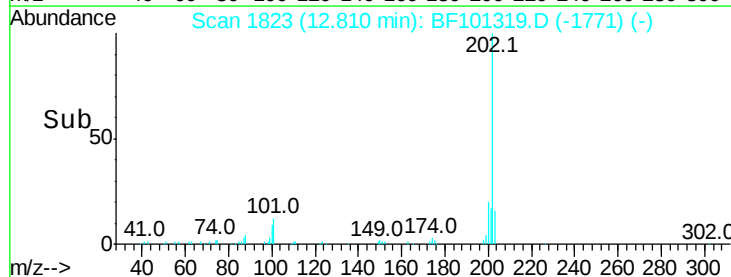
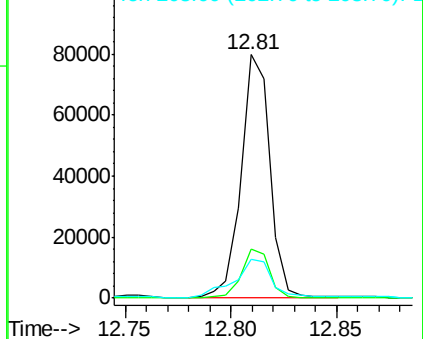
203 16.0 14.3 21.5

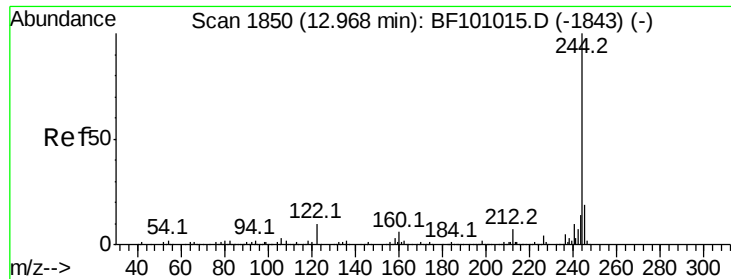


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

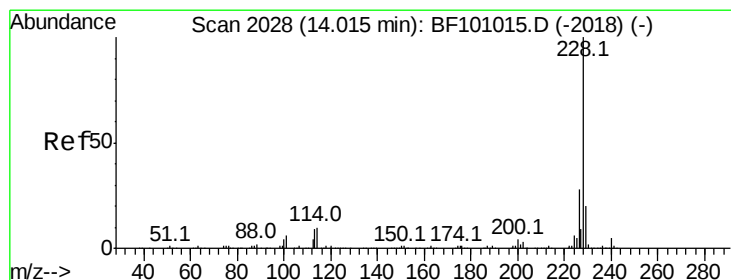
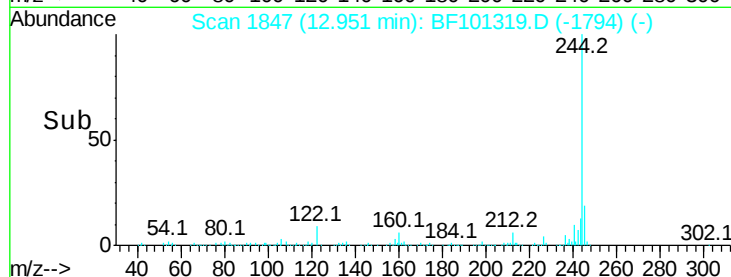
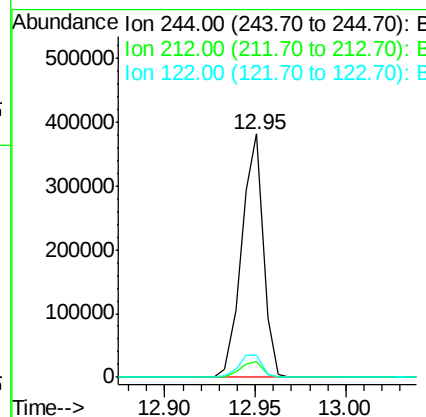
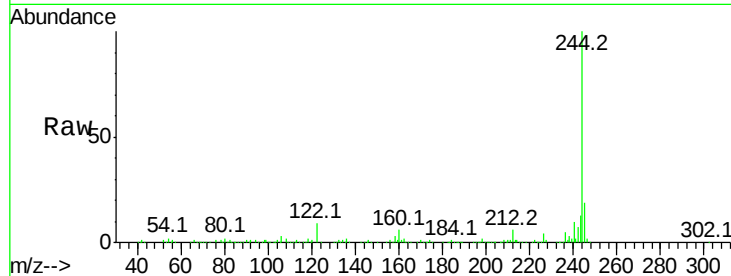




#78
 Terphenyl-d14
 Concen: 82.595 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

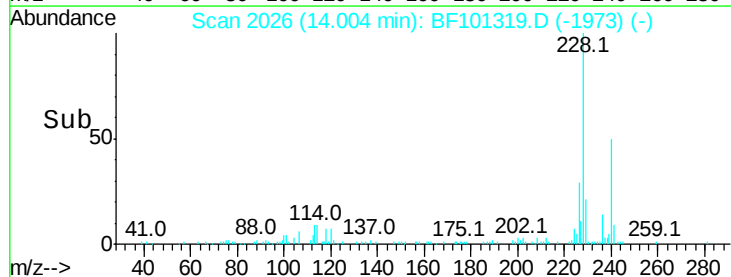
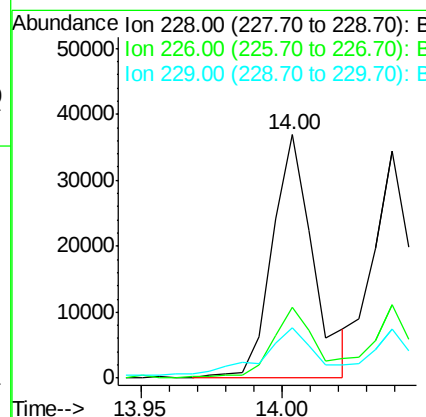
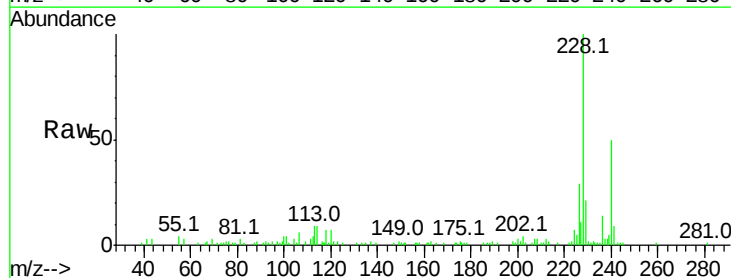
Instrument :
 BNA_F
 ClientSampled :

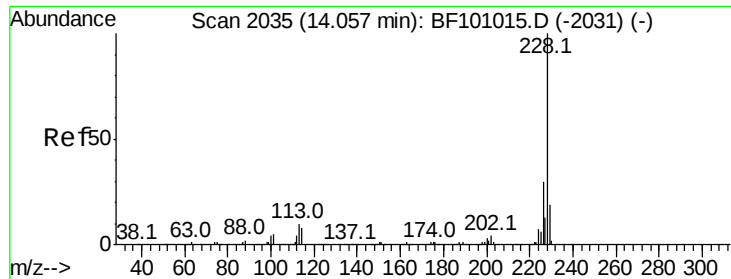
Tot Ion:244 Resp: 315892
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 7.013 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Tgt Ion:228 Resp: 37039
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 20.9 15.8 23.6





#82

Chrysene

Concen: 6.484 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

Instrument :

BNA_F

ClientSampleId :

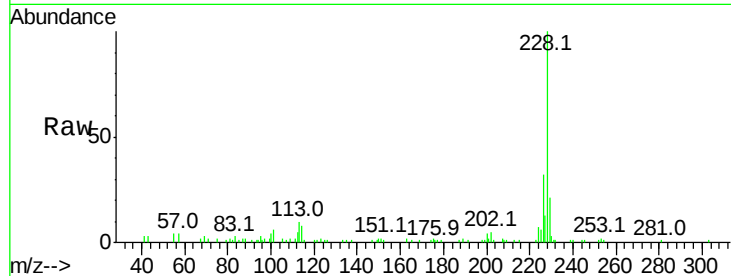
Tot Ion:228 Resp: 31807

Ion Ratio Lower Upper

228 100

226 32.5 25.0 37.6

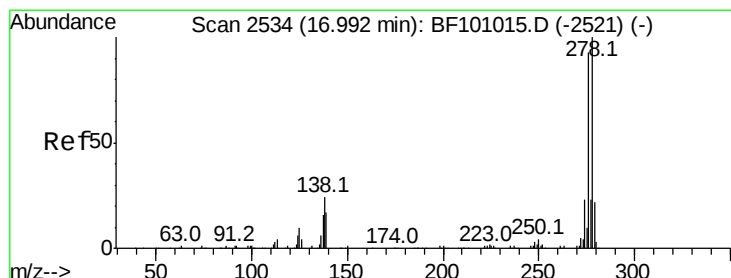
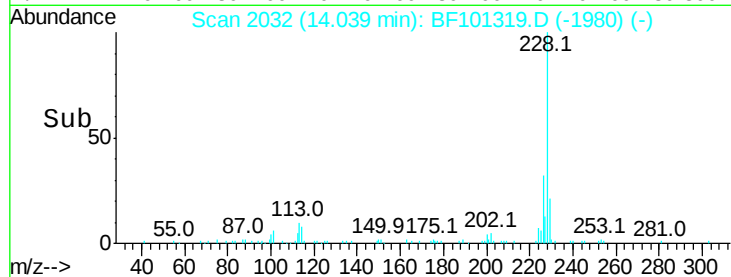
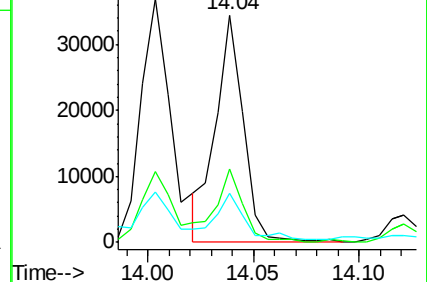
229 21.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.657 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.04 min

Lab File: BF101319.D

Acq: 12 Dec 2017 7:23

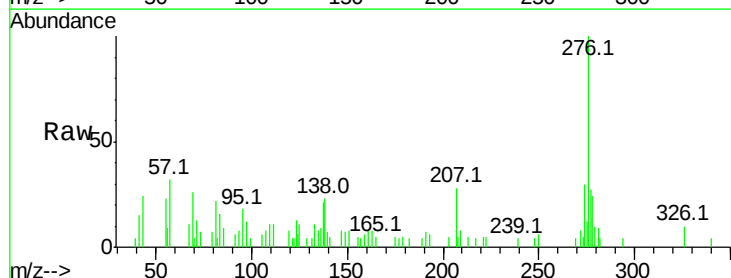
Tgt Ion:276 Resp: 15947

Ion Ratio Lower Upper

276 100

138 20.5 25.0 37.6#

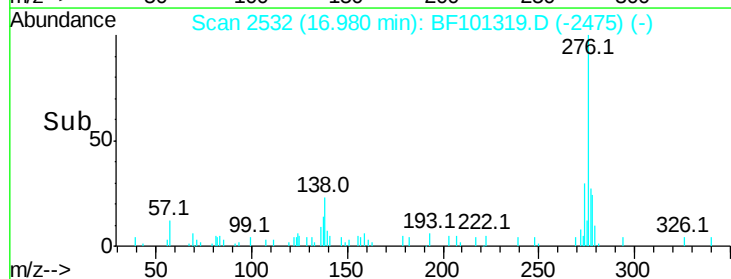
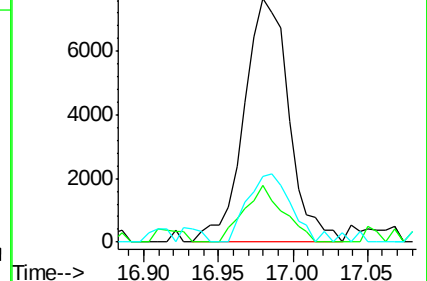
277 27.2 20.1 30.1

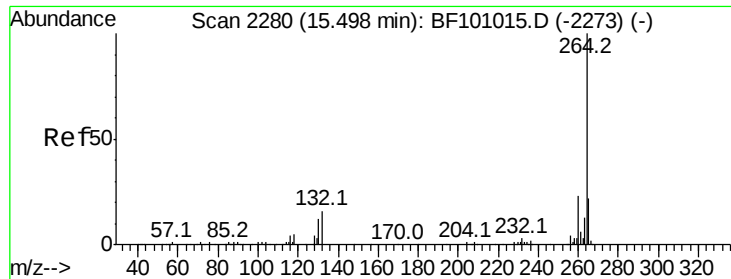


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

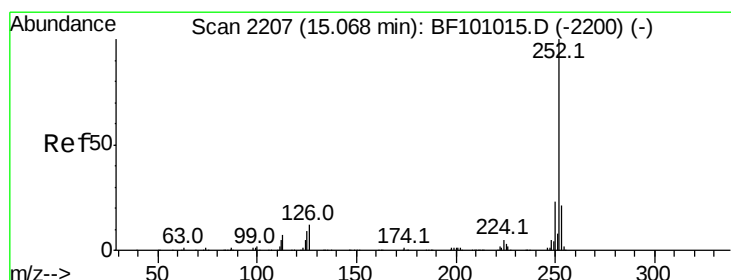
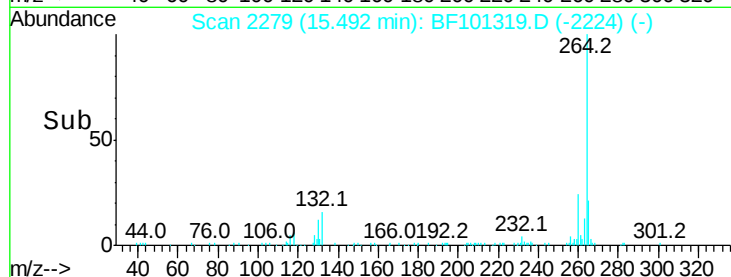
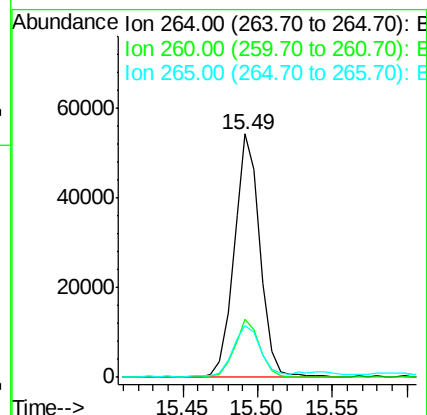
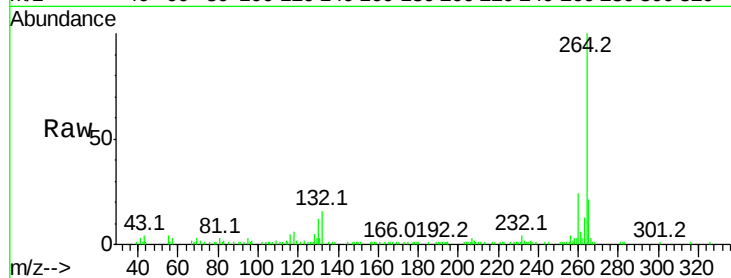




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

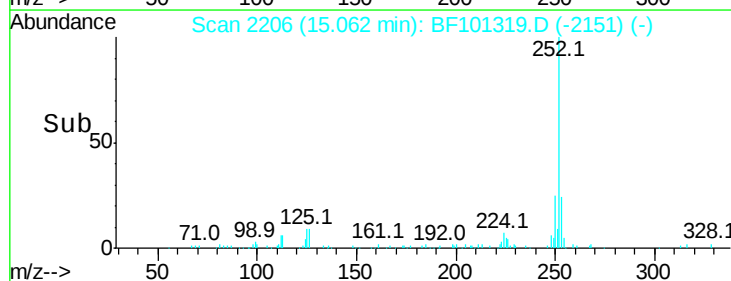
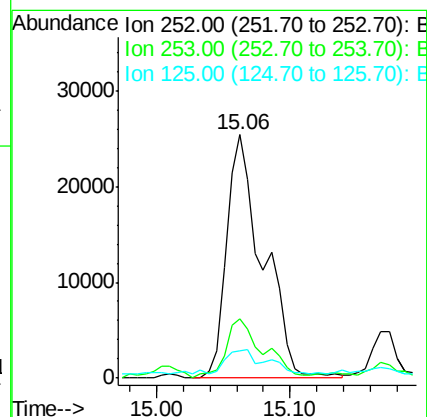
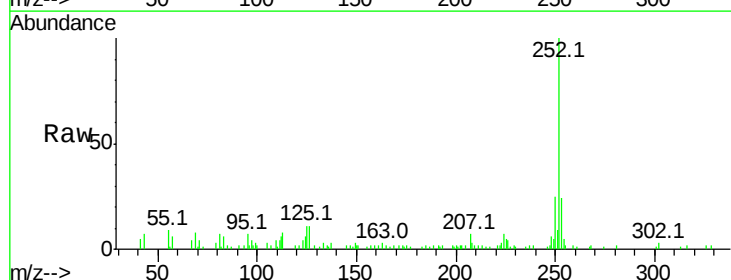
Instrument :
BNA_F
ClientSampleId :

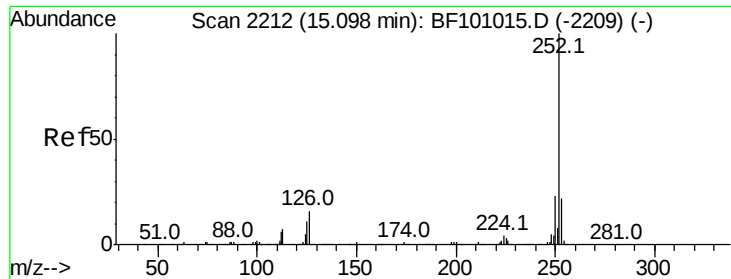
Tot Ion:264 Resp: 65447
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 12.273 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:252 Resp: 48113
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 11.4 9.0 13.6

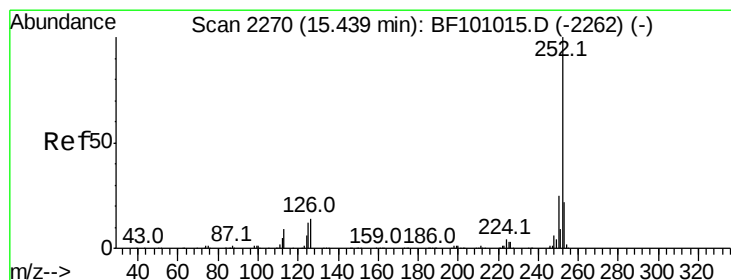
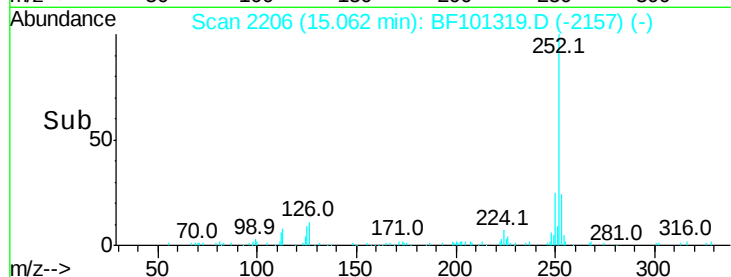
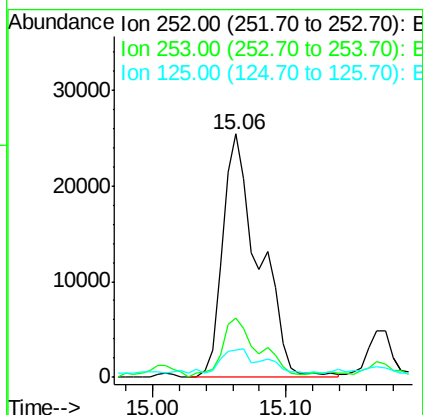
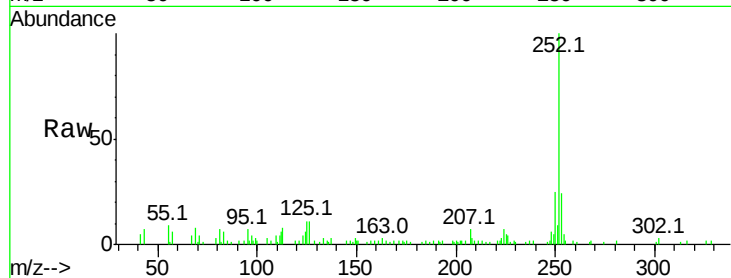




#88
Benzo(k)fluoranthene
Concen: 12.457 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

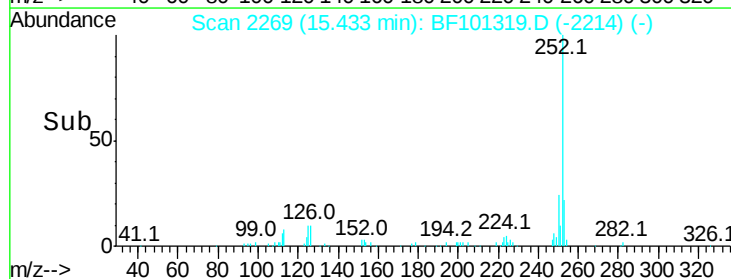
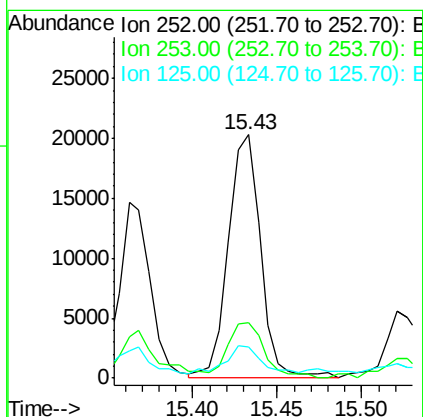
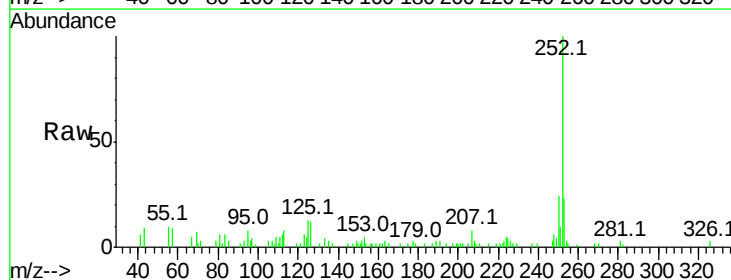
Instrument :
BNA_F
ClientSampleId :

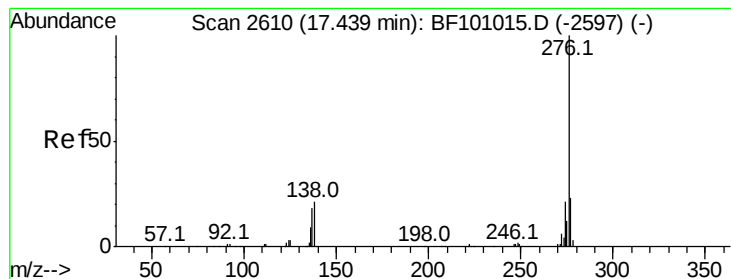
Tot Ion:252 Resp: 48113
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 11.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 7.608 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101319.D
Acq: 12 Dec 2017 7:23

Tgt Ion:252 Resp: 27113
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.9 9.8 14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.142 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.05 min
 Lab File: BF101319.D
 Acq: 12 Dec 2017 7:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	25.7	21.8	32.8

