

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101239.D
 Acq On : 8 Dec 2017 16:51
 Operator : SJ/JU
 Sample : I6676-03 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 08 18:19:24 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	6.82	152	49381	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	187171	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	82938	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	146865	20.00	ng	0.00
75) Chrysene-d12	14.00	240	110964	20.00	ng	0.00
86) Perylene-d12	15.47	264	99702	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	32846	10.99	ng	0.00
7) Phenol-d6	6.45	99	40983	11.30	ng	-0.01
23) Nitrobenzene-d5	7.39	82	24205	7.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	9882	9.92	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	52042	8.59	ng	-0.01
78) Terphenyl-d14	12.93	244	39551	7.80	ng	0.00

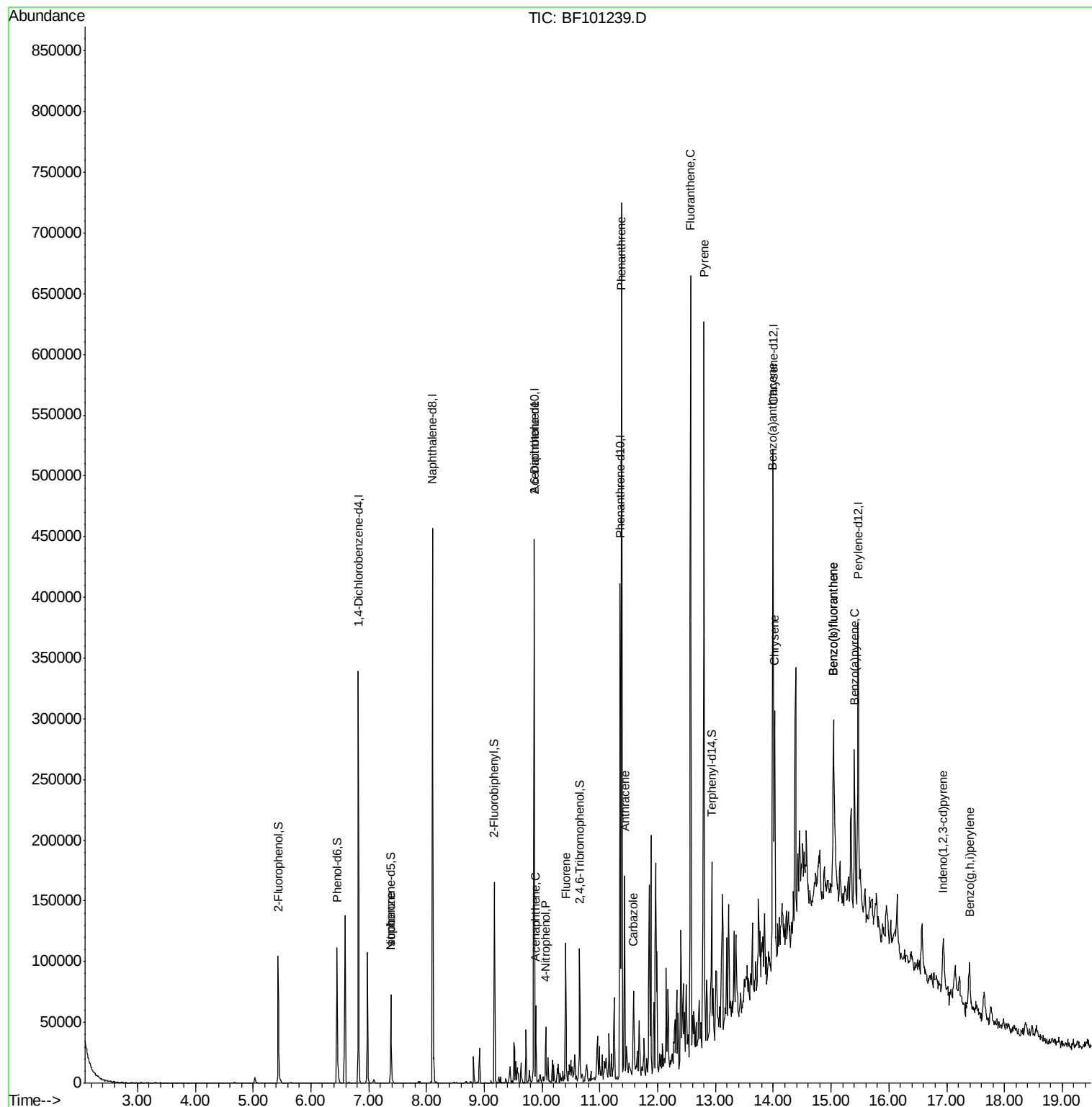
Target Compounds				Qvalue		
25) Isophorone	7.39	82	24205	4.516	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	10948	7.771	ng	# 24
51) Acenaphthene	9.89	154	12156	2.289	ng	99
55) 4-Nitrophenol	10.06	139	5071	4.746	ng	# 9
57) Fluorene	10.41	166	30268	4.865	ng	100
70) Phenanthrene	11.37	178	272269	33.664	ng	97
71) Anthracene	11.43	178	62423	7.626	ng	97
72) Carbazole	11.59	167	25768	3.445	ng	97
74) Fluoranthene	12.57	202	241564	26.945	ng	94
77) Pyrene	12.80	202	234787	30.664	ng	99
80) Benzo(a)anthracene	13.99	228	94754	13.524	ng	99
82) Chrysene	14.02	228	83283	12.800	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	26535	4.587	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	98199	16.444	ng	# 92
88) Benzo(k)fluoranthene	15.04	252	98199	16.690	ng	# 92
89) Benzo(a)pyrene	15.41	252	59271	10.917	ng	97
91) Benzo(a,h,i)perylene	17.39	276	25892	5.740	ng	96

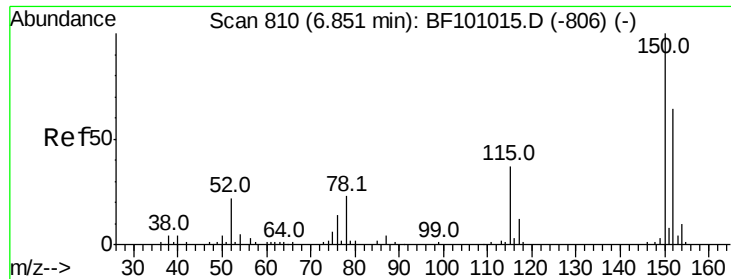
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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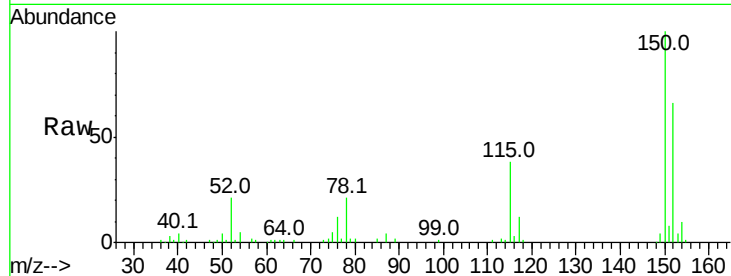


#1

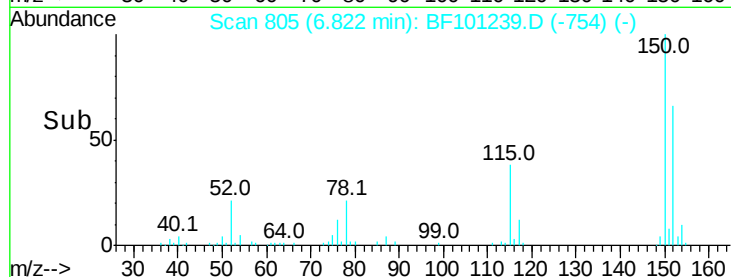
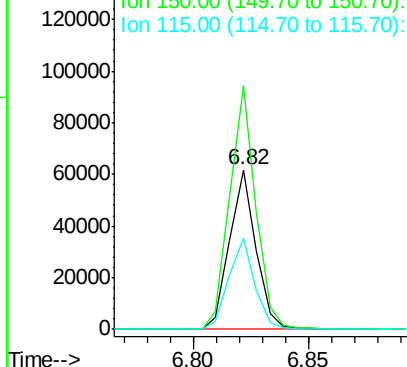
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 49381
 Ion Ratio Lower Upper
 152 100
 150 152.5 124.6 186.8
 115 57.2 50.1 75.1



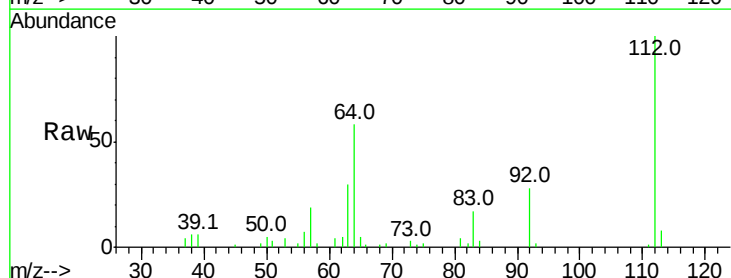
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



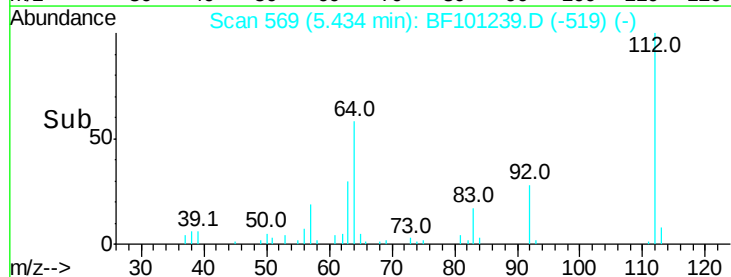
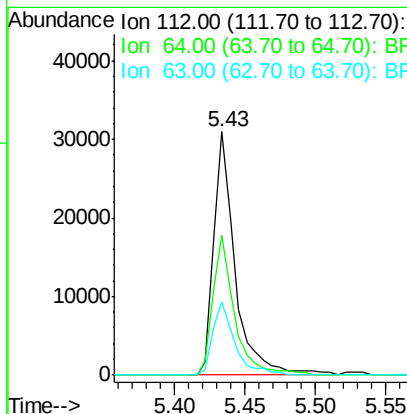
#5

2-Fluorophenol
 Concen: 10.991 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt Ion:112 Resp: 32846
 Ion Ratio Lower Upper
 112 100
 64 57.6 47.9 71.9
 63 30.3 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: 11.296 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

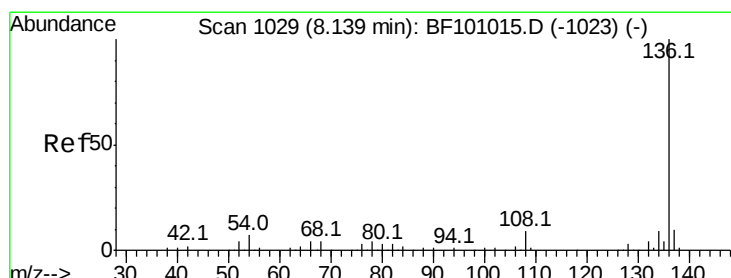
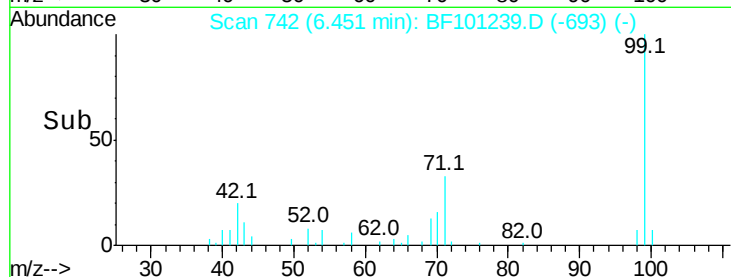
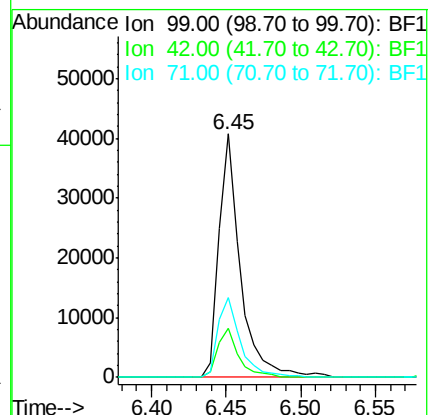
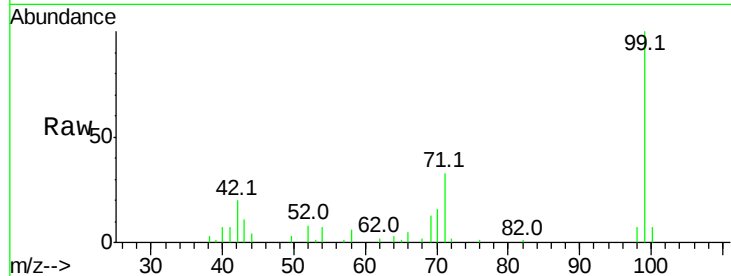
Tot Ion: 99 Resp: 40983

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 32.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Tgt Ion: 136 Resp: 187171

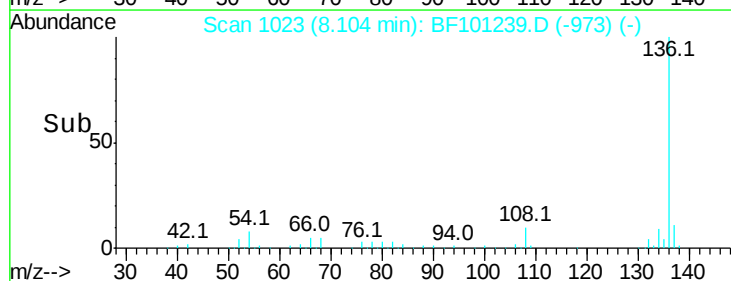
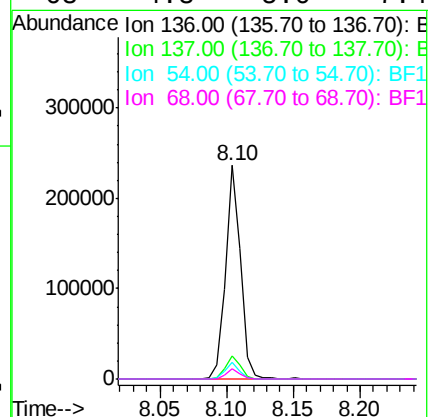
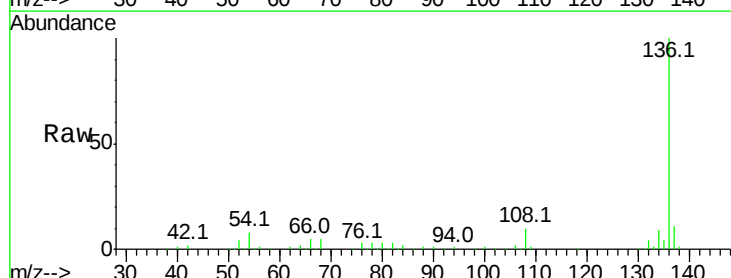
Ion Ratio Lower Upper

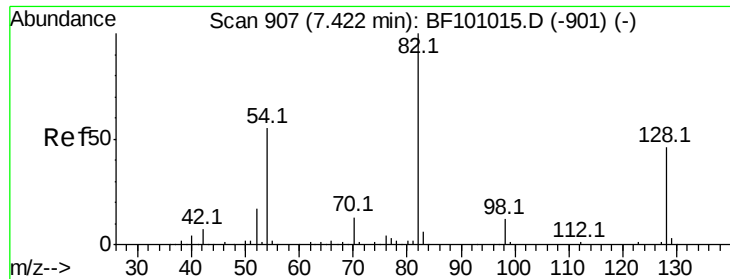
136 100

137 11.0 8.9 13.3

54 7.6 6.6 9.8

68 4.8 5.0 7.4#

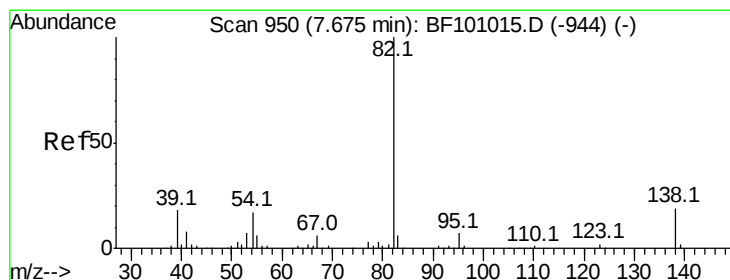
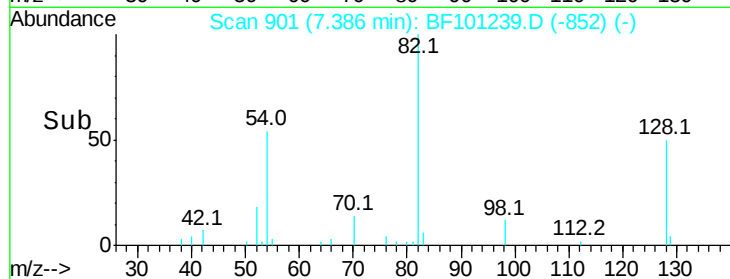
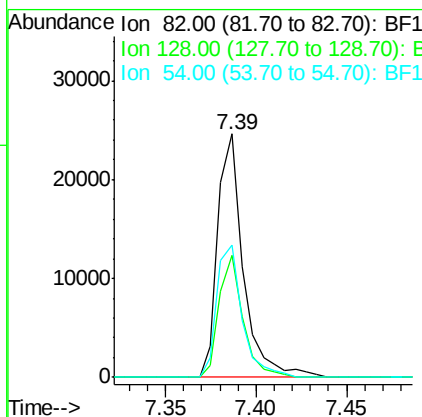
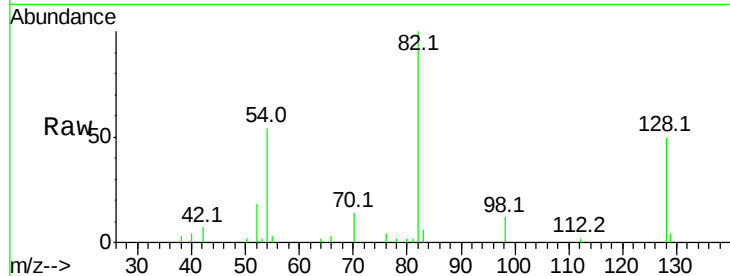




#23
Nitrobenzene-d5
Concen: 7.714 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

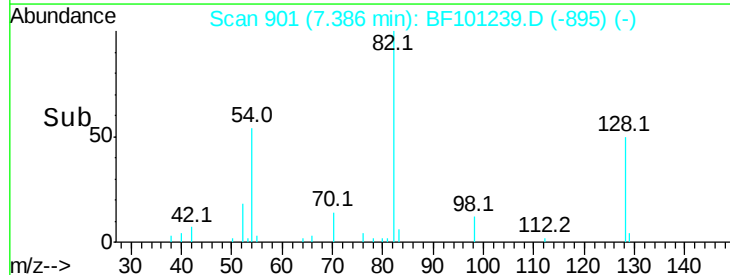
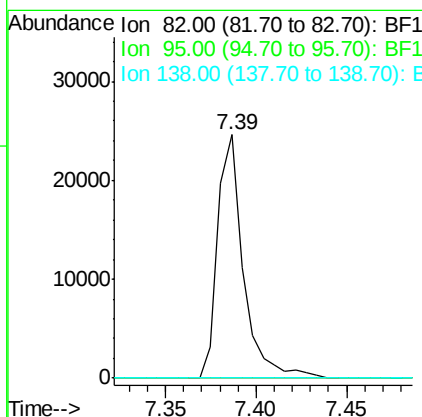
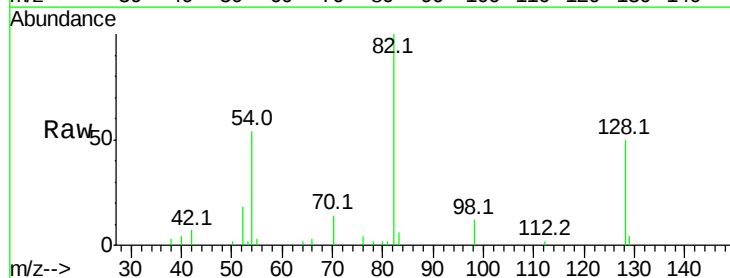
Instrument :
BNA_F
ClientSampleId :

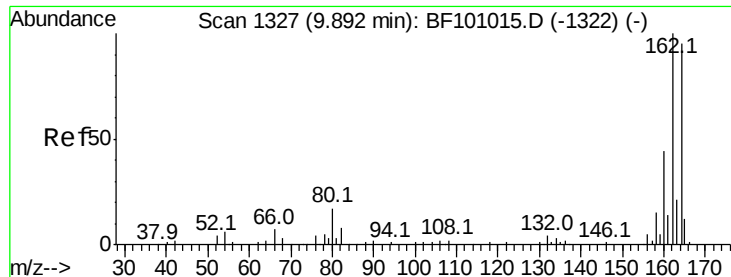
Tot Ion	82	Resp	24205
Ion Ratio	100	Lower	Upper
128	50.3	36.1	54.1
54	54.4	41.4	62.2



#25
Isophorone
Concen: 4.516 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

Tgt Ion	82	Resp	24205
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

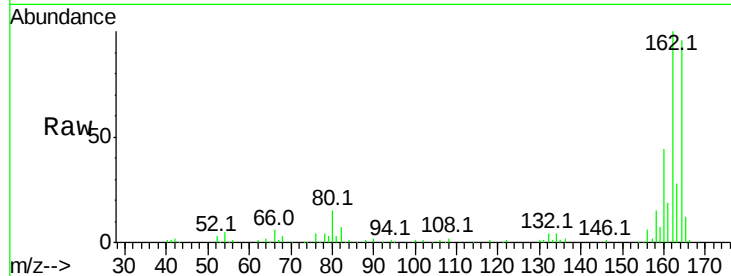




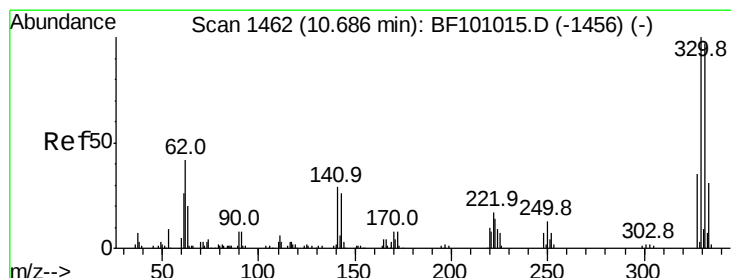
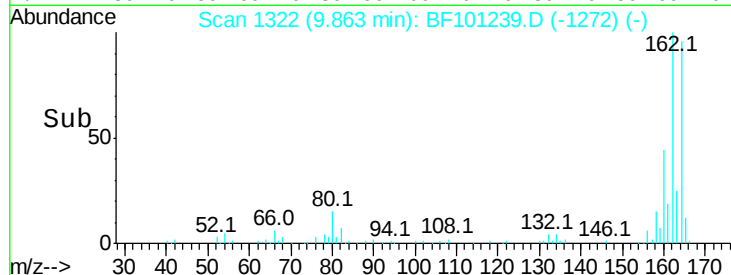
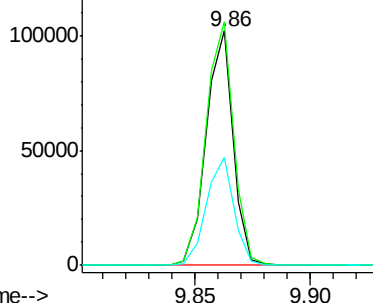
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 82938
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 45.8 38.3 57.5

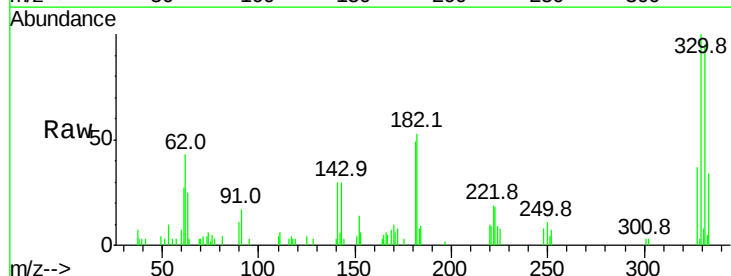


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

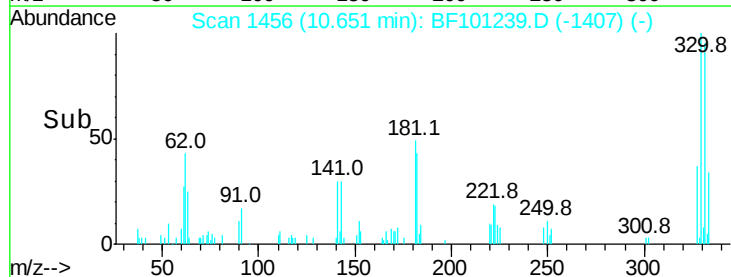
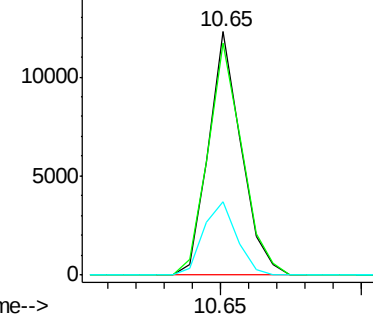


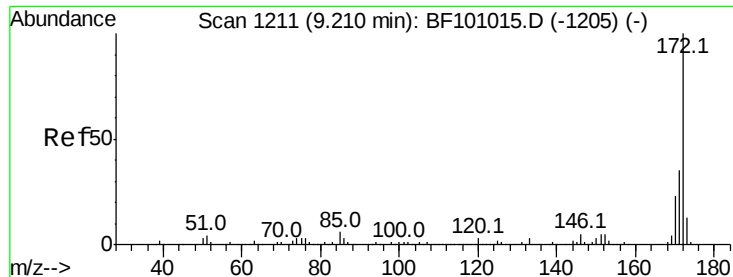
#41
 2,4,6-Tribromophenol
 Concen: 9.918 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt Ion:330 Resp: 9882
 Ion Ratio Lower Upper
 330 100
 332 99.8 77.0 115.6
 141 30.9 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

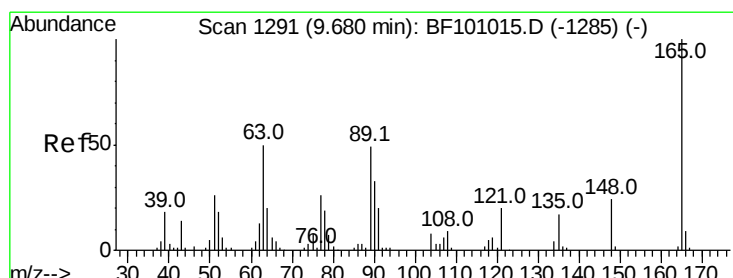
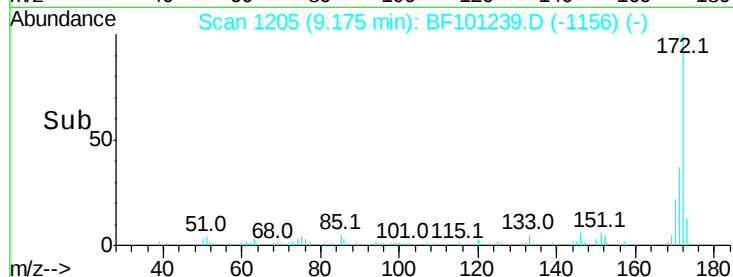
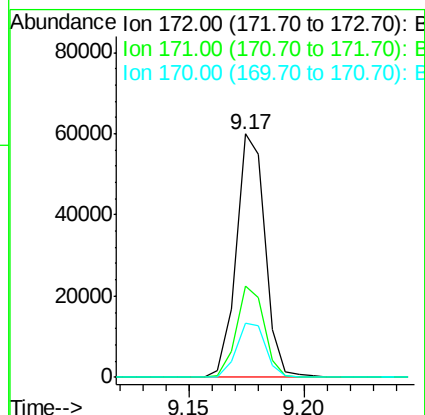
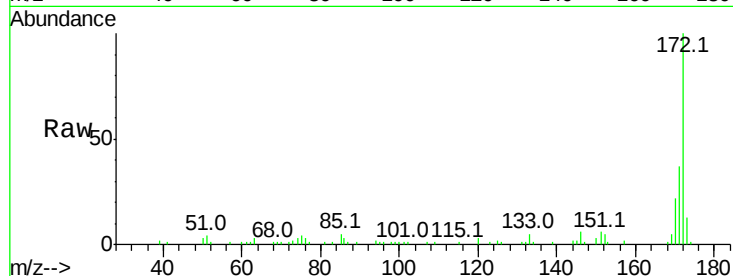




#44
 2-Fluorobiphenyl
 Concen: 8.585 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

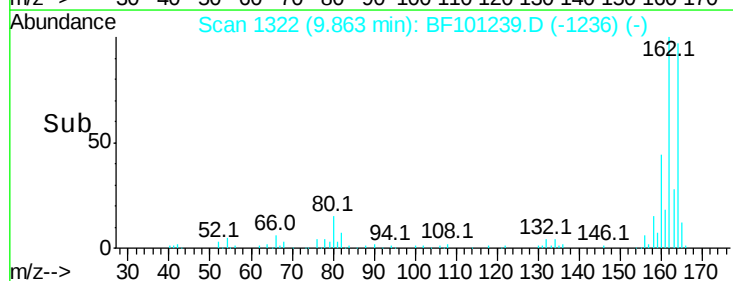
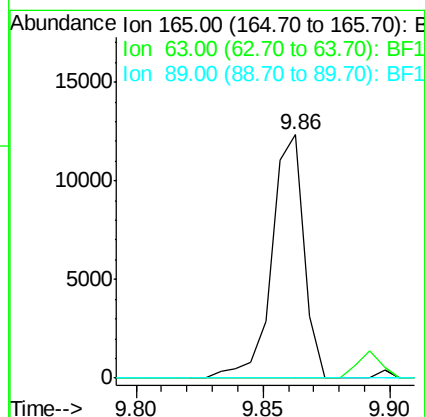
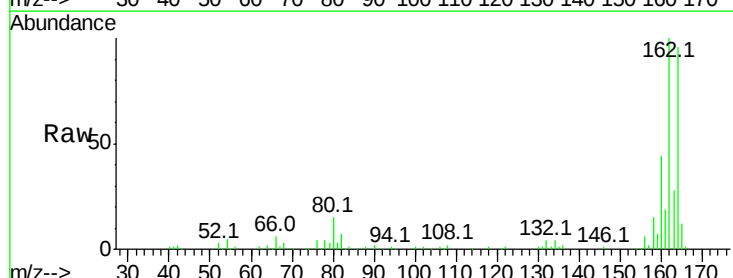
Instrument :
 BNA_F
 ClientSampleId :

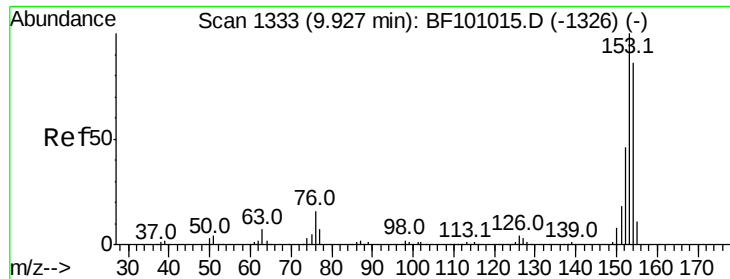
Tot Ion:172 Resp: 52042
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.7 44.5
 170 22.4 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.771 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt Ion:165 Resp: 10948
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 2.289 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

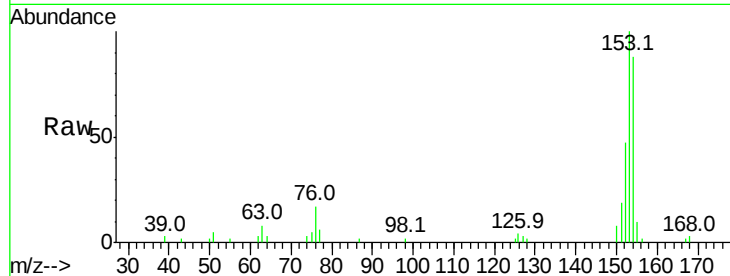
Tot Ion:154 Resp: 12156

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

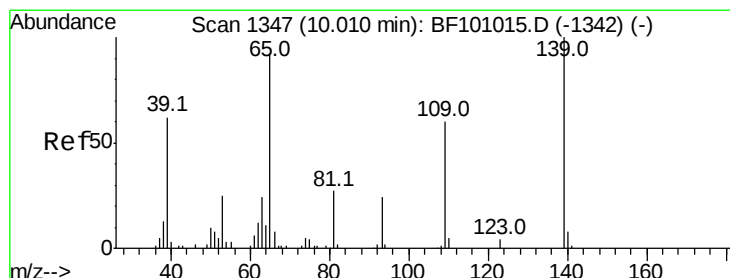
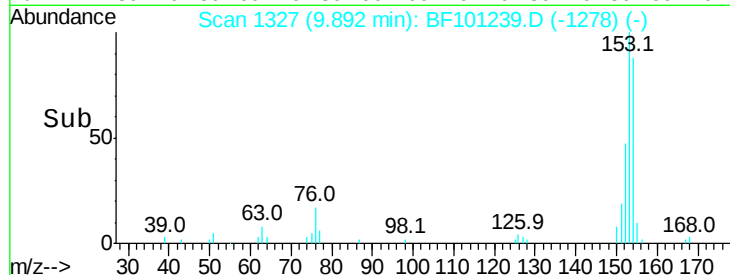
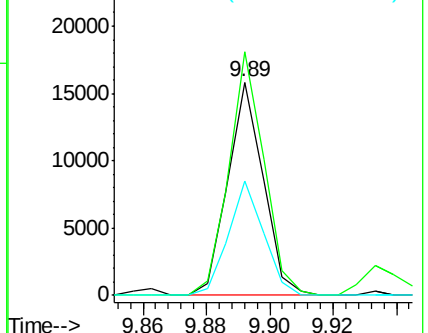
152 53.8 43.8 65.8



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



#55

4-Nitrophenol

Concen: 4.746 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.07 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

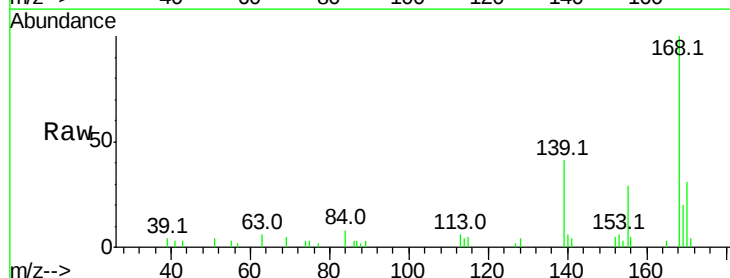
Tgt Ion:139 Resp: 5071

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

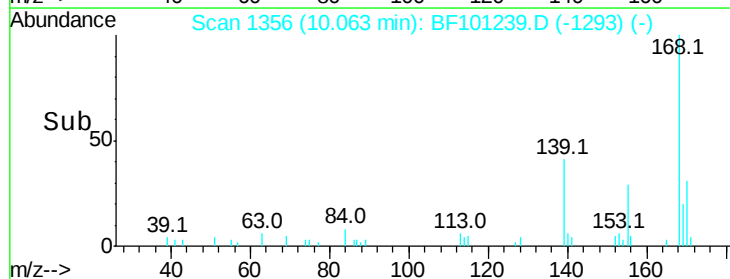
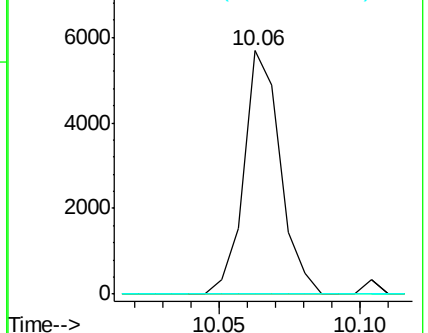
65 0.0 72.6 112.6#

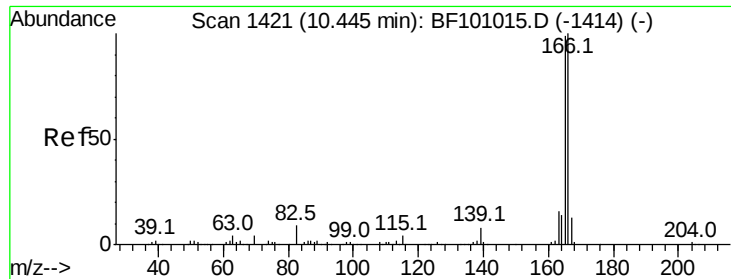


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

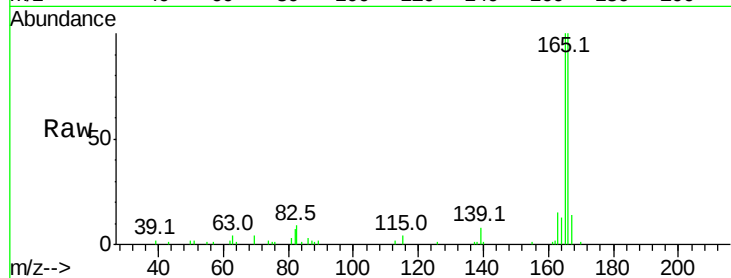




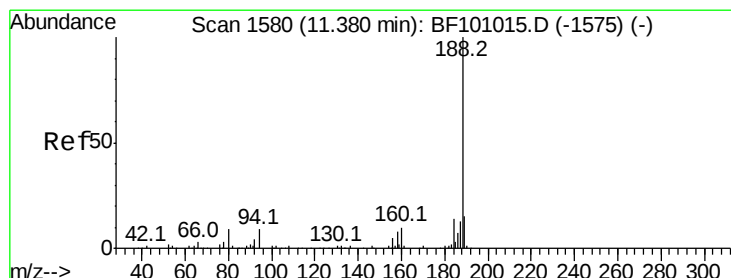
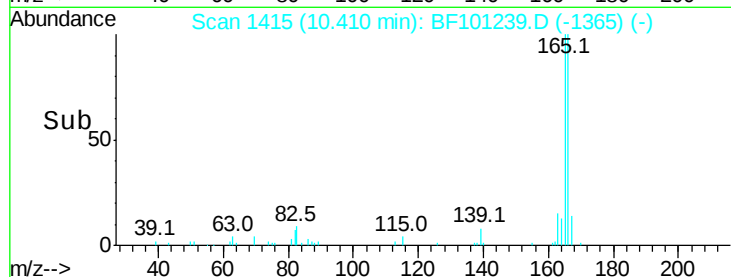
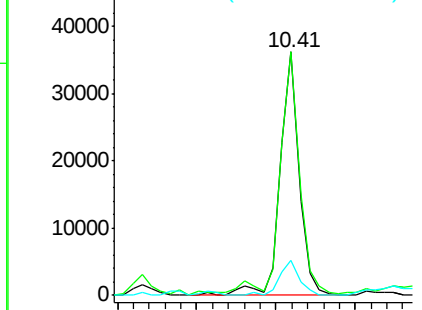
#57
Fluorene
 Concen: 4.865 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.8	119.8
167	14.3	10.6	16.0

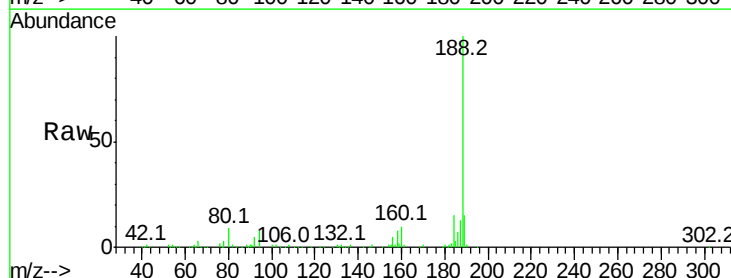


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

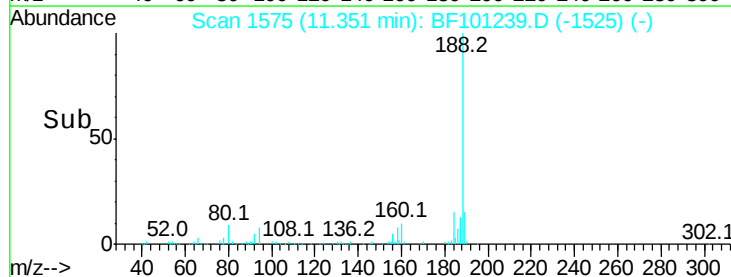
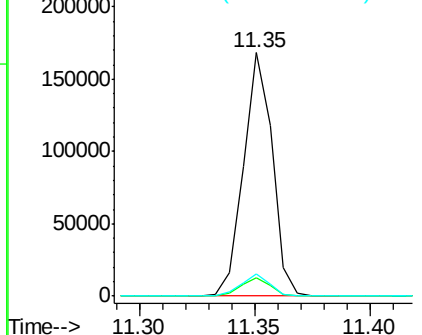


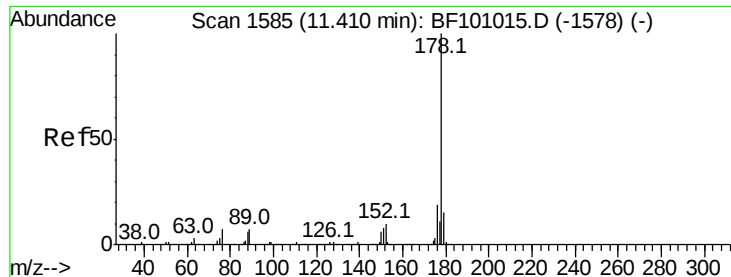
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	9.0	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

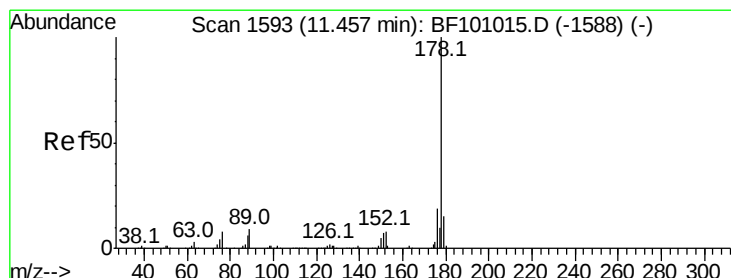
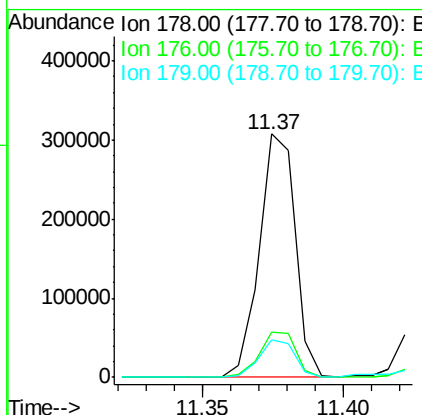
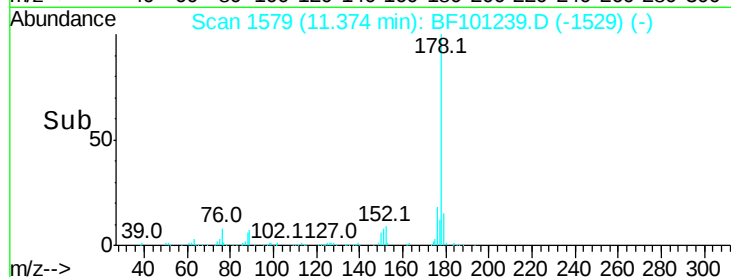
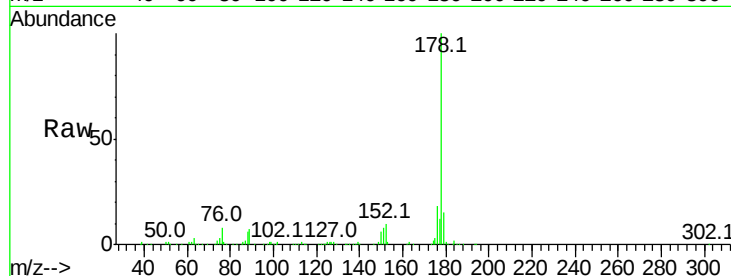




#70
Phenanthrene
Concen: 33.664 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

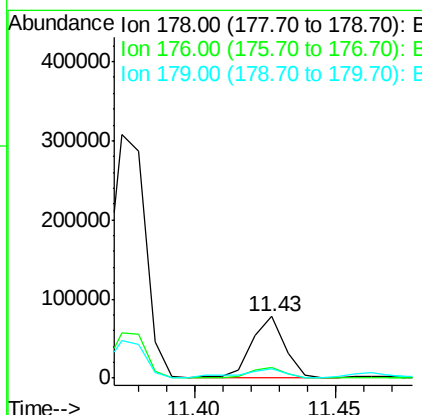
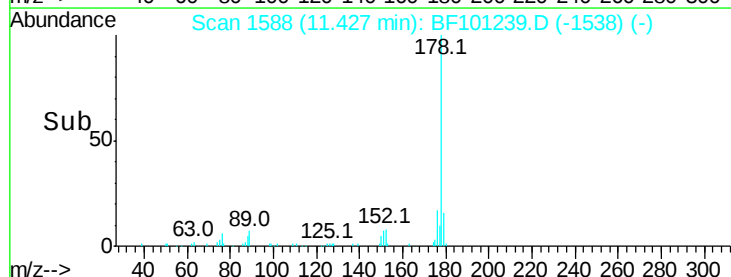
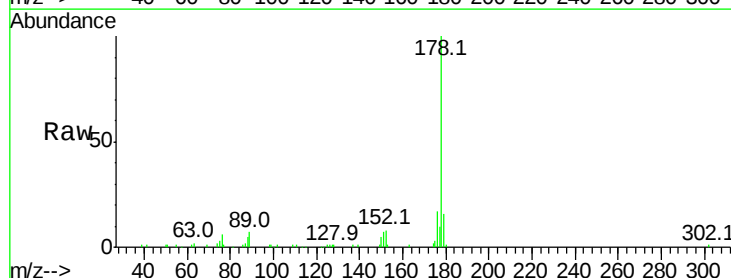
Instrument :
BNA_F
ClientSampleId :

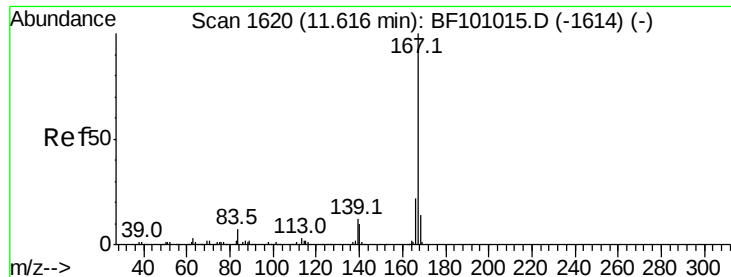
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.3	13.0	19.6



#71
Anthracene
Concen: 7.626 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.8	12.6	19.0

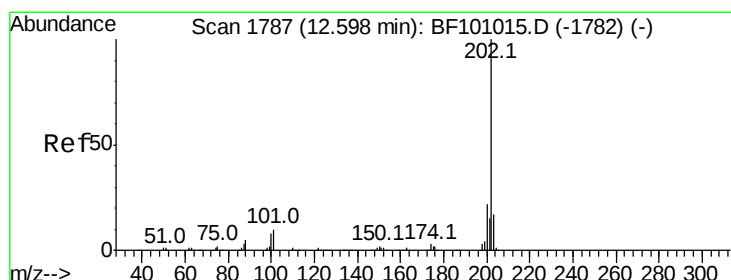
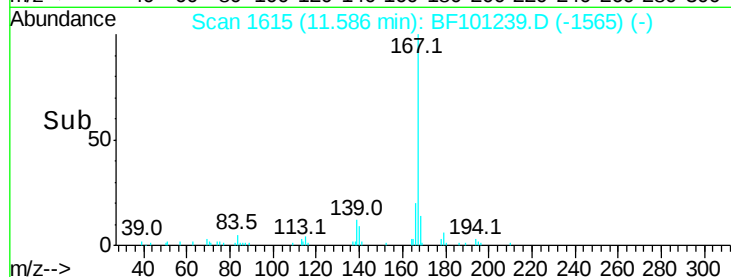
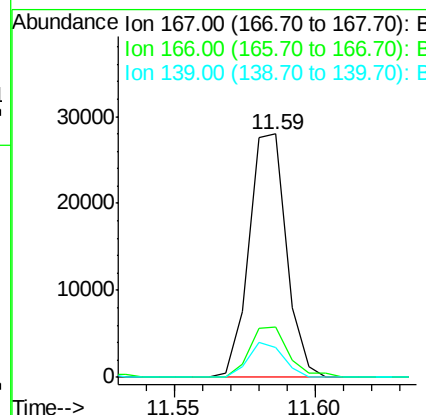
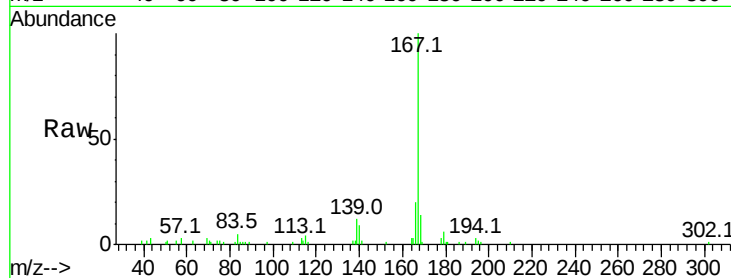




#72
 Carbazole
 Concen: 3.445 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

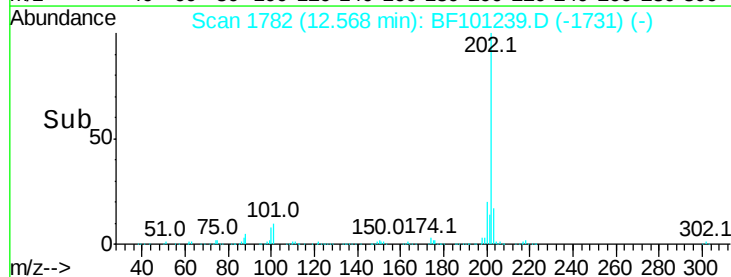
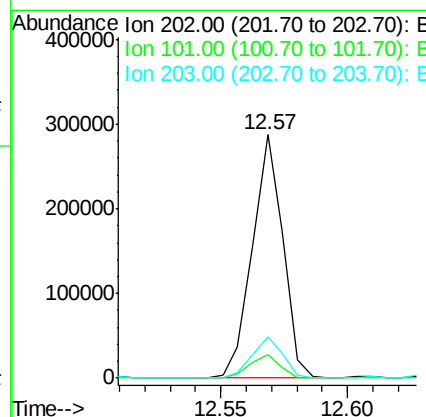
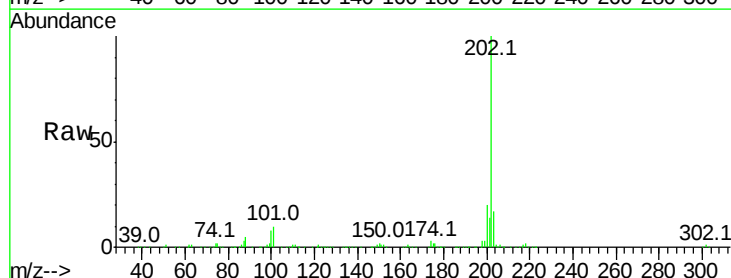
Instrument :
 BNA_F
 ClientSampleId :

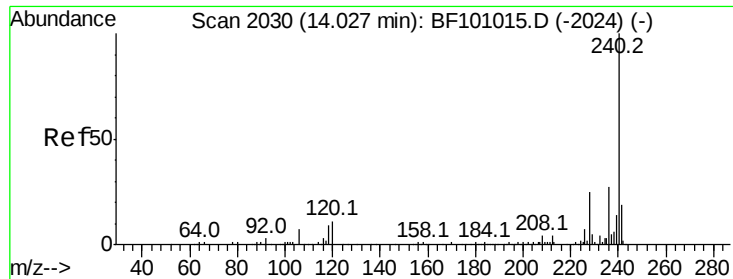
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.6	26.4
139	12.4	10.9	16.3



#74
 Fluoranthene
 Concen: 26.945 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

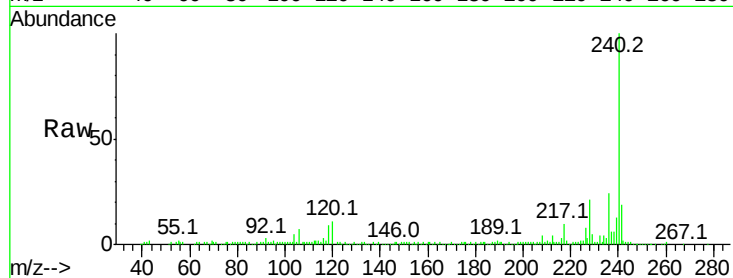
Tot Ion:240 Resp: 110964

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

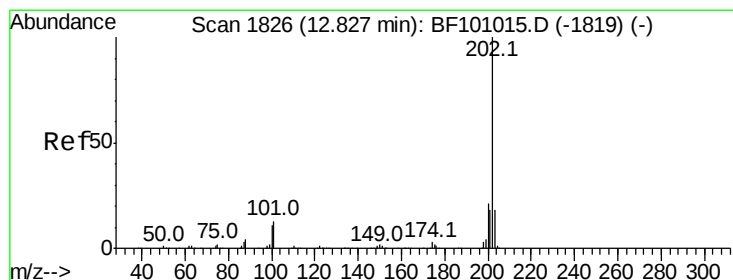
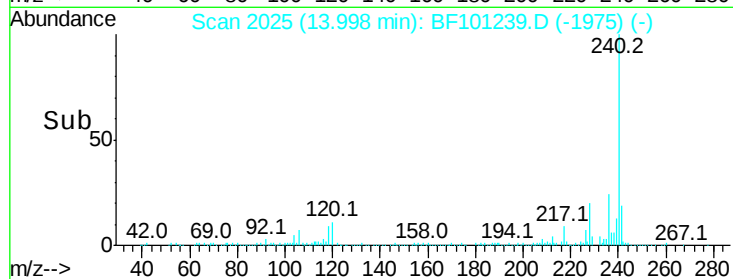
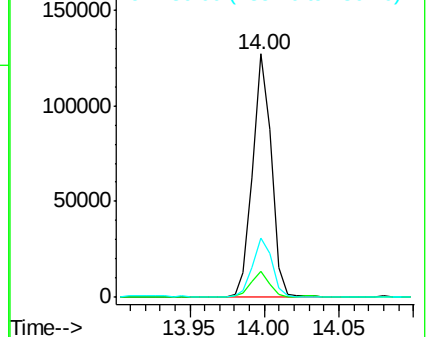
236 24.4 20.7 31.1



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: 30.664 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

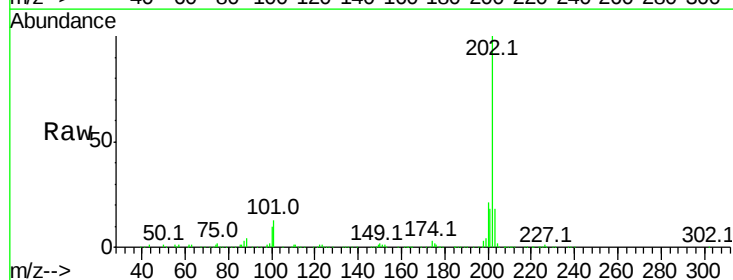
Tgt Ion:202 Resp: 234787

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

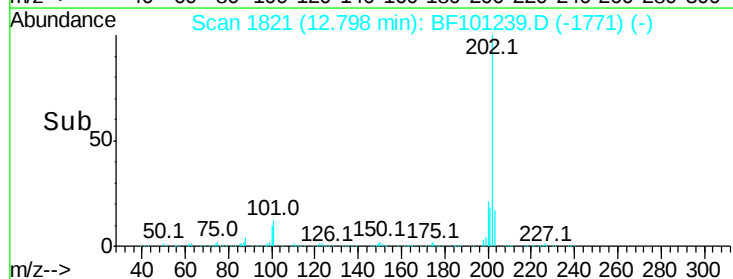
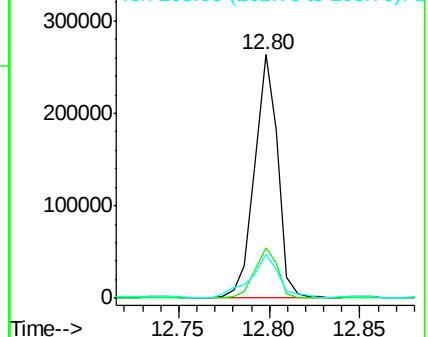
203 18.0 14.3 21.5

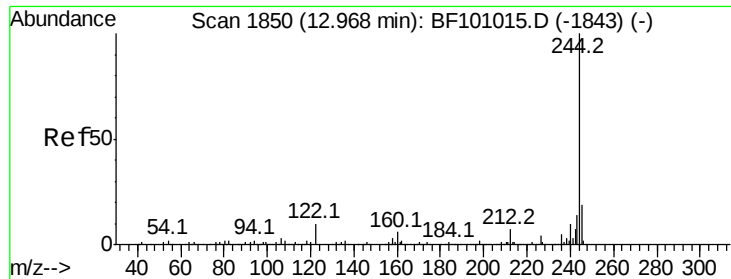


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.796 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

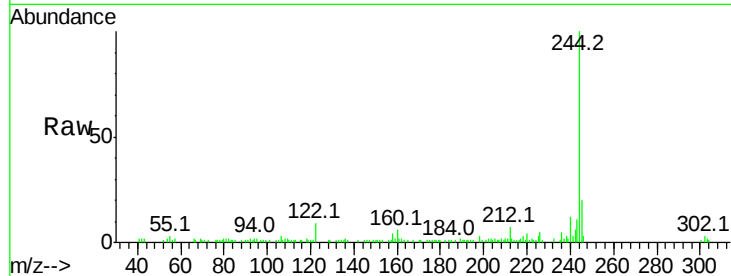
Tot Ion:244 Resp: 39551

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

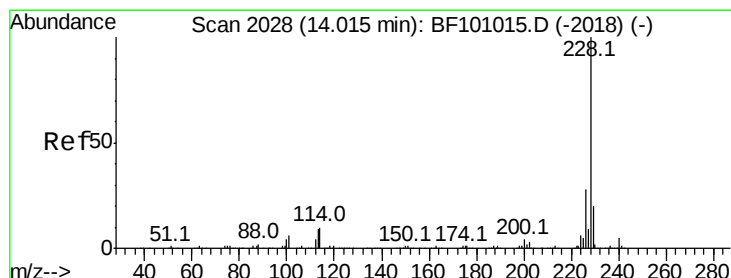
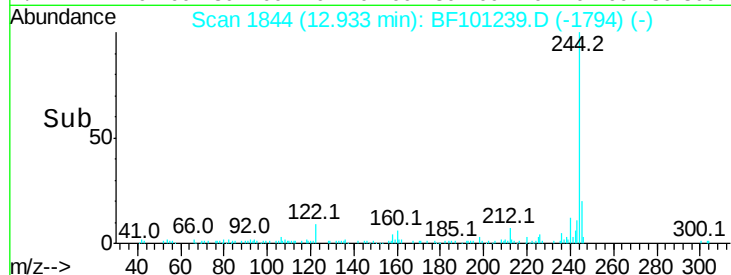
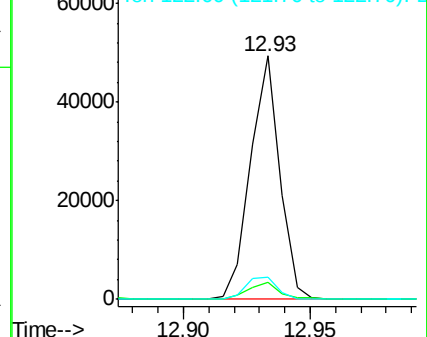
122 9.0 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 13.524 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

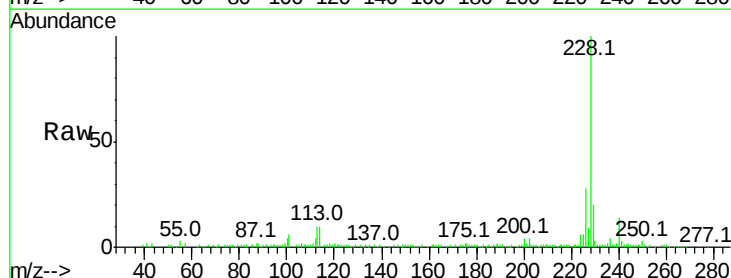
Tgt Ion:228 Resp: 94754

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

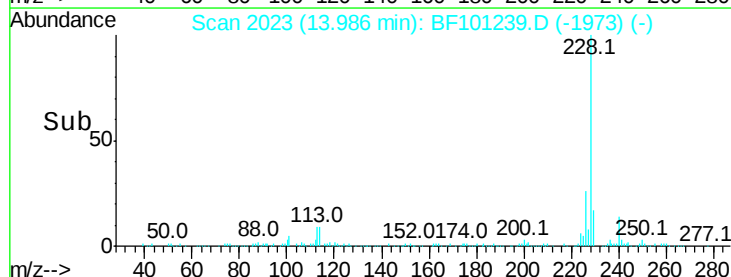
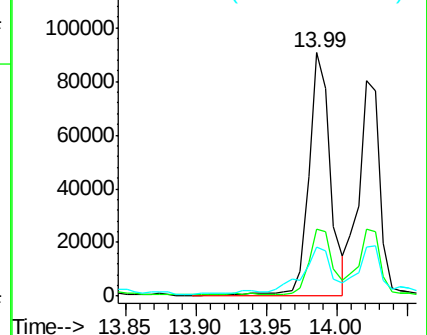
229 20.1 15.8 23.6

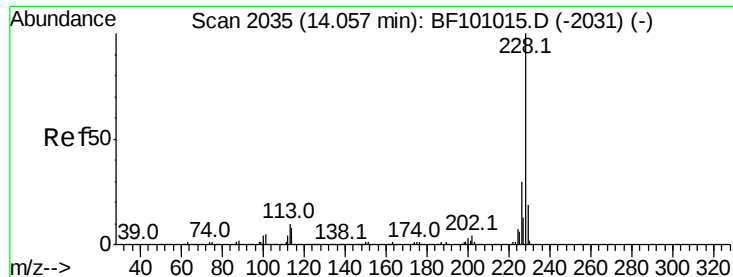


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.800 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

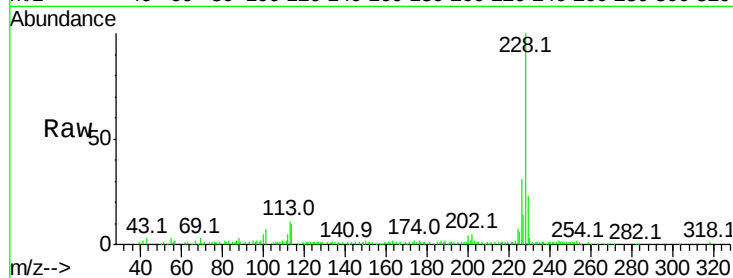
Tot Ion:228 Resp: 83283

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

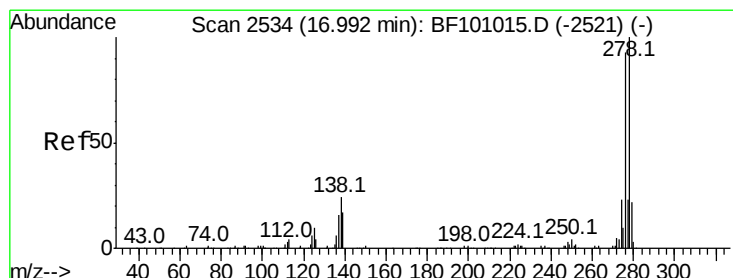
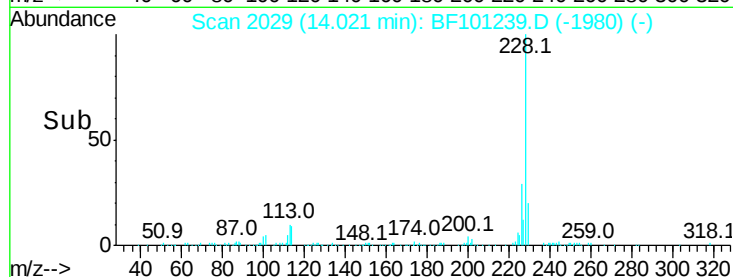
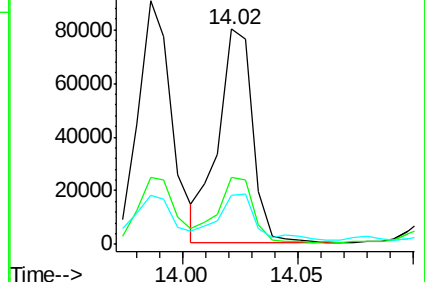
229 22.8 16.2 24.4



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: 4.587 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.00 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

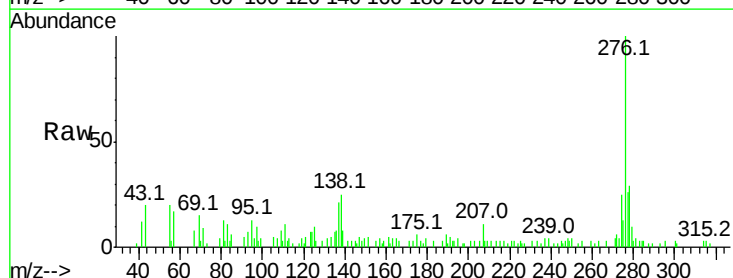
Tgt Ion:276 Resp: 26535

Ion Ratio Lower Upper

276 100

138 27.6 25.0 37.6

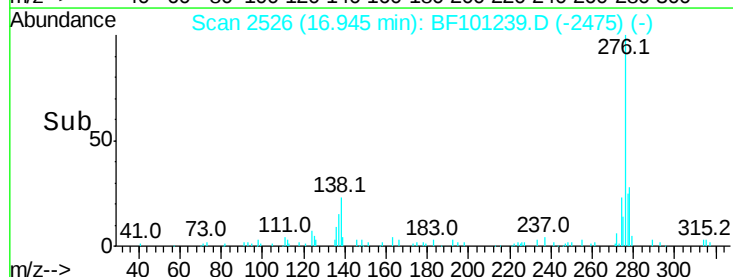
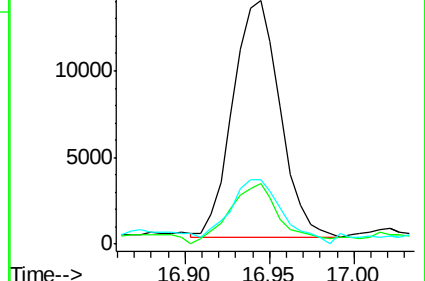
277 30.3 20.1 30.1#

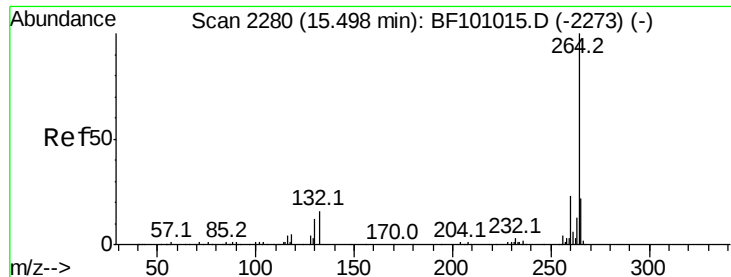


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



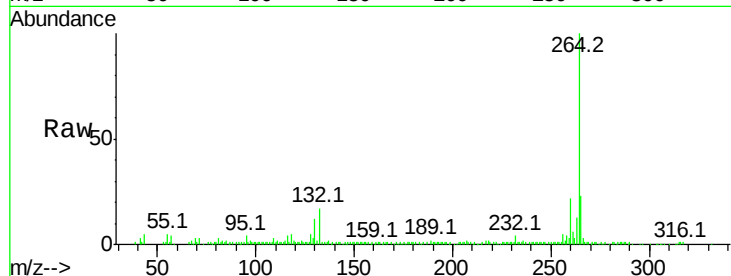


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

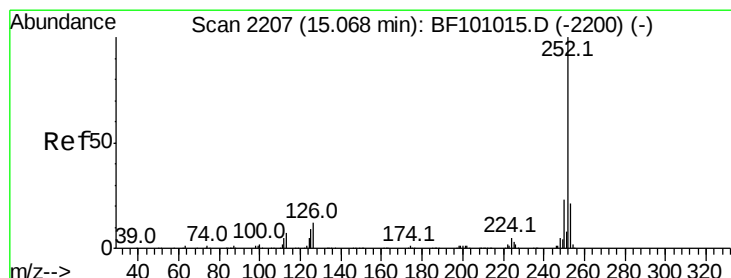
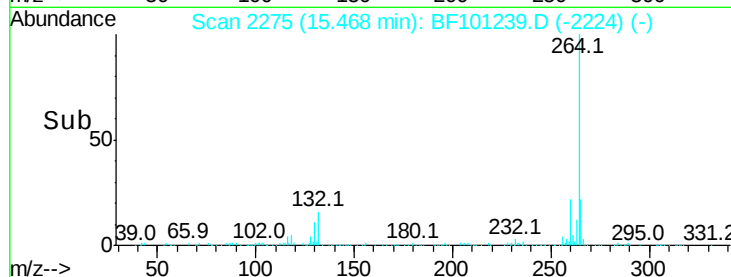
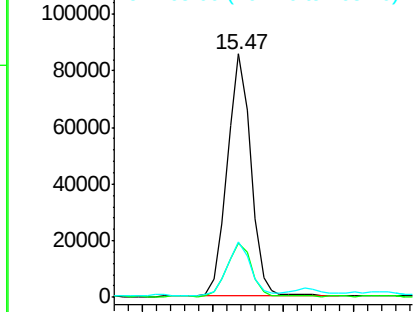
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 99702

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.8	17.5	26.3



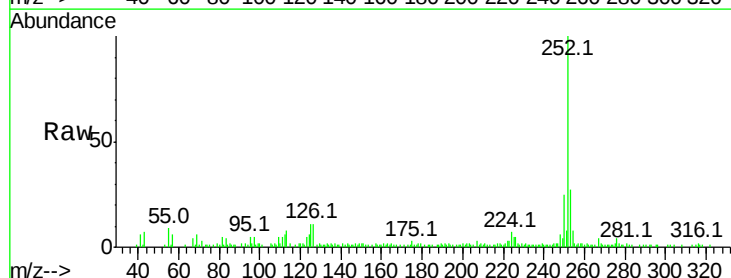
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



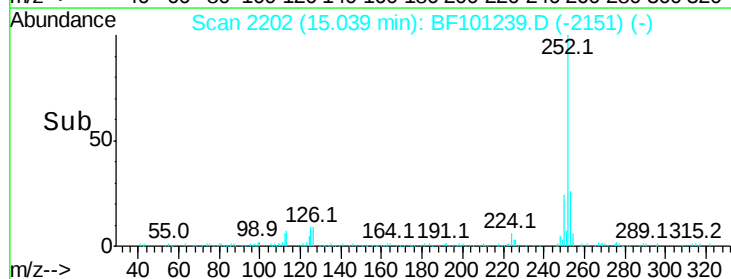
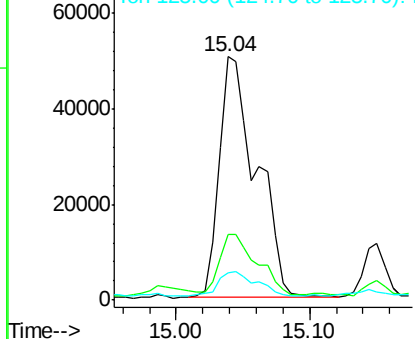
#87
Benzo(b)fluoranthene
Concen: 16.444 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

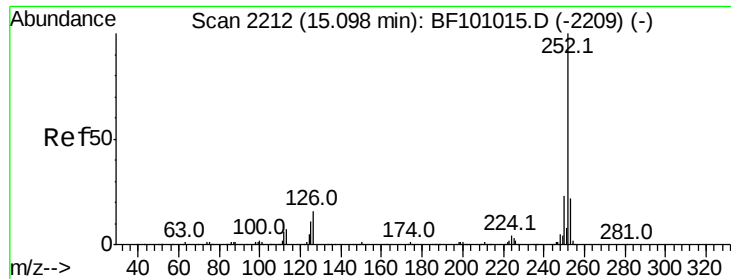
Tgt Ion:252 Resp: 98199

Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.0	25.6#
125	11.3	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

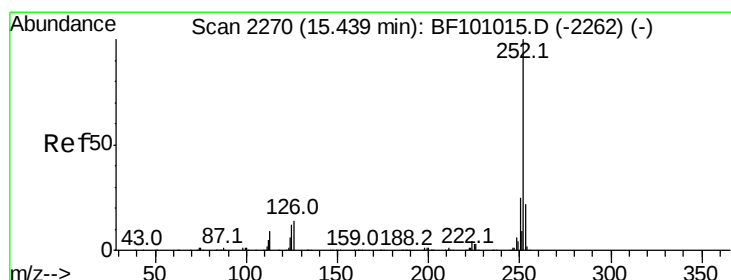
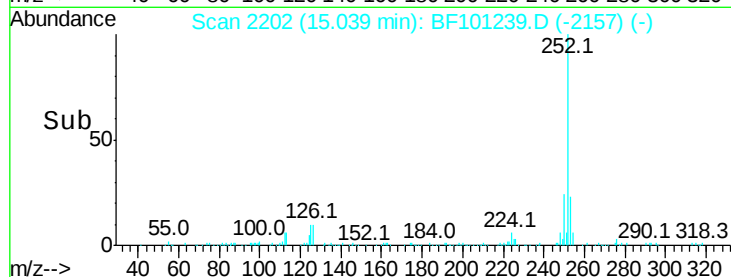
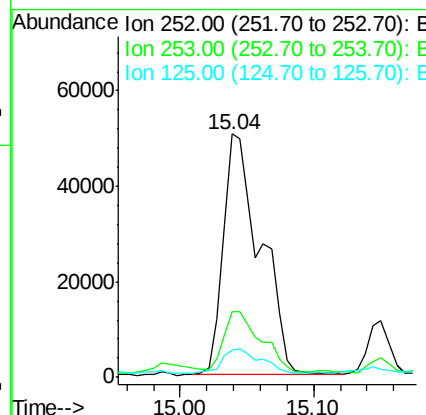
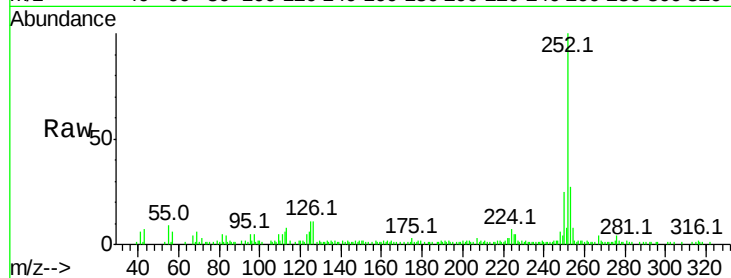




#88
Benzo(k)fluoranthene
Concen: 16.690 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

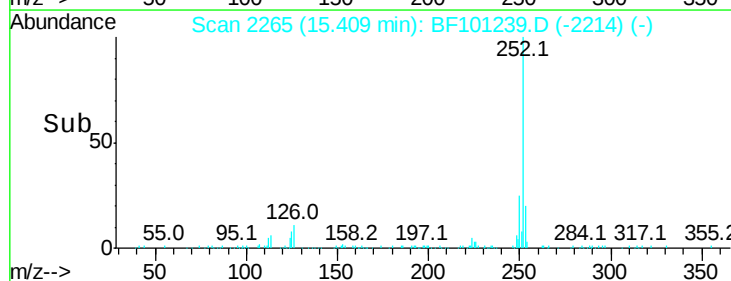
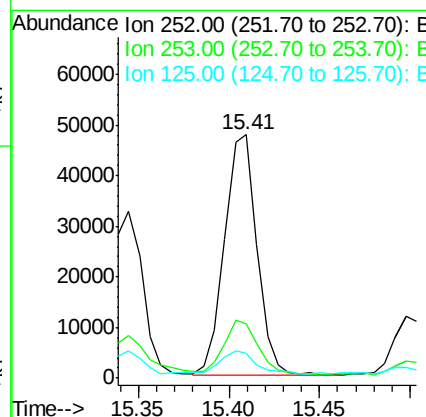
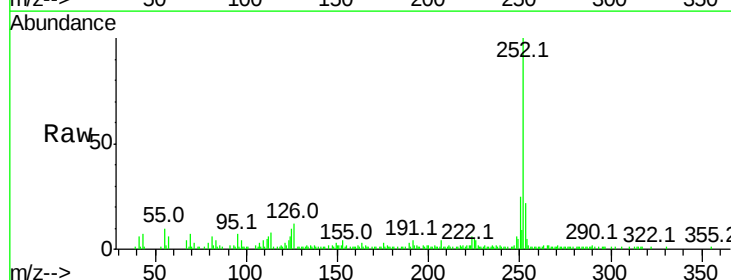
Instrument :
BNA_F
ClientSampleId :

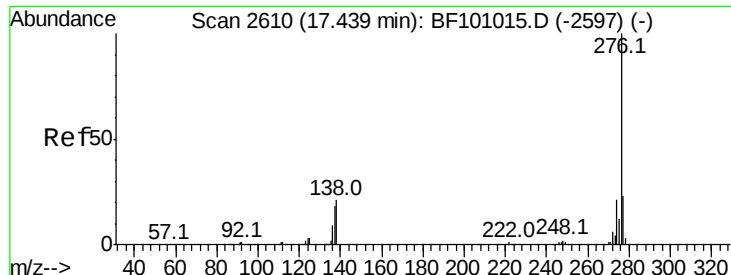
Tot Ion:252 Resp: 98199
Ion Ratio Lower Upper
252 100
253 27.1 17.9 26.9#
125 11.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 10.917 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

Tgt Ion:252 Resp: 59271
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 10.4 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 5.740 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Instrument :

BNA_F

ClientSampleId :

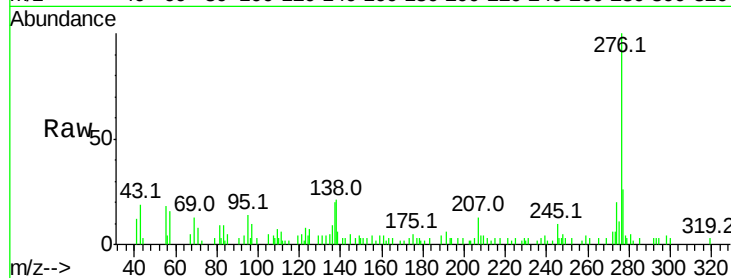
Tot Ion: 276 Resp: 25892

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 26.3 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

