

Data Path : Z:\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 :
 OK-03-120617

Quant Time: Dec 08 18:31:26 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

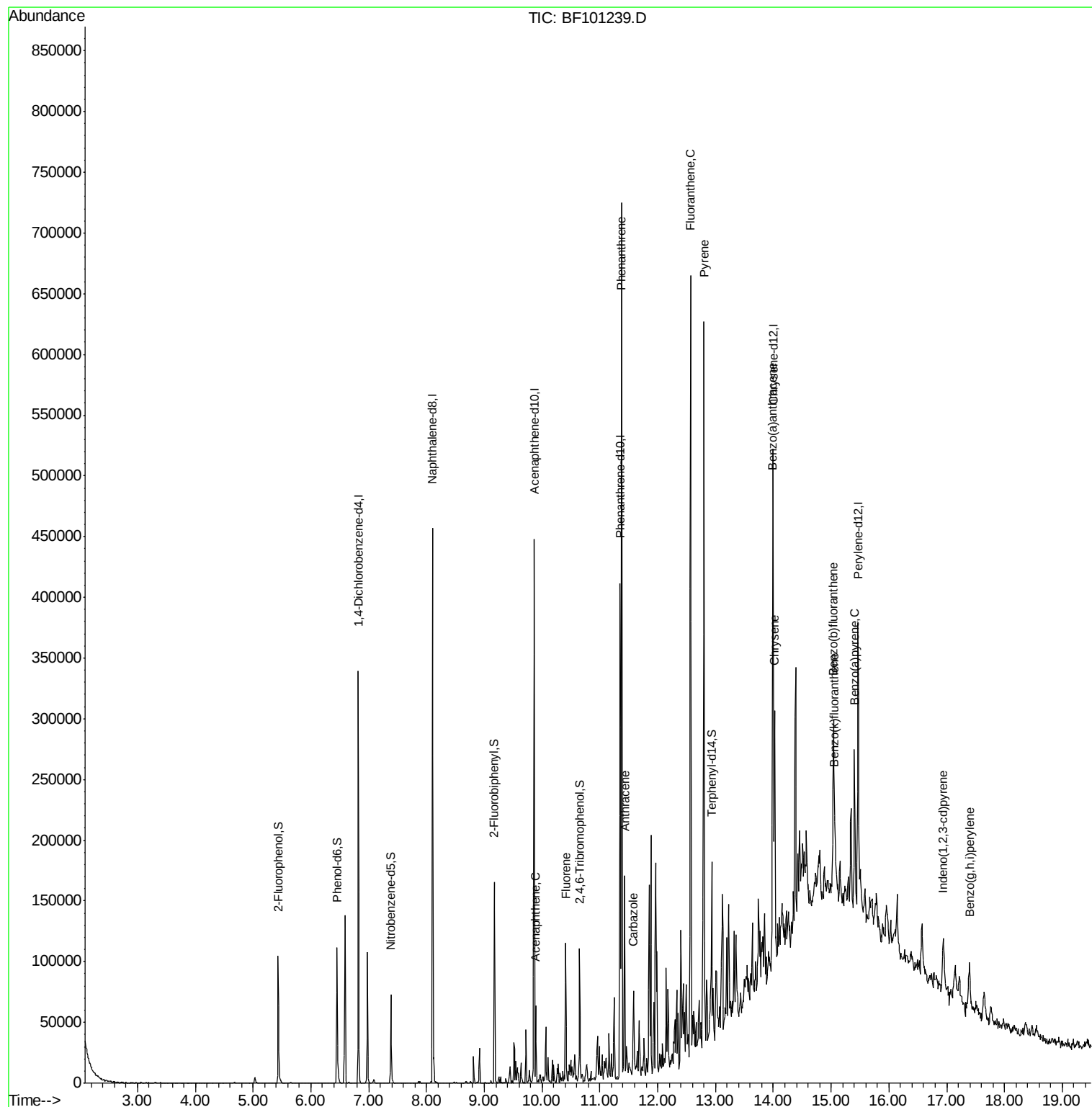
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	49381	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	187171	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	82938	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	146865	20.00	ng	0.00
75) Chrysene-d12	14.00	240	110964	20.00	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		
51) Acenaphthene	9.89	154	12156	2.289	ng	99
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	72862m	12.201	ng	
88) Benzo(k)fluoranthene	15.06	252	24666m	4.192	ng	
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

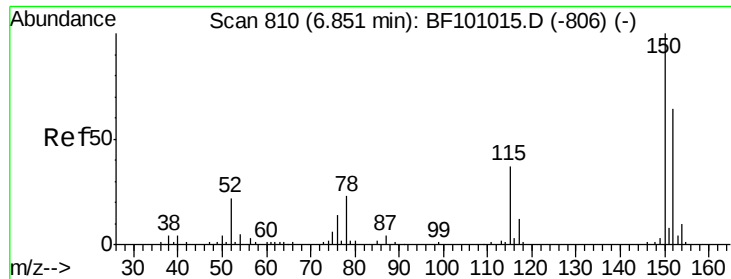
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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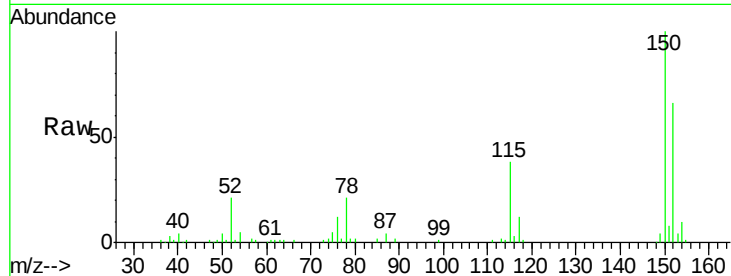


#1

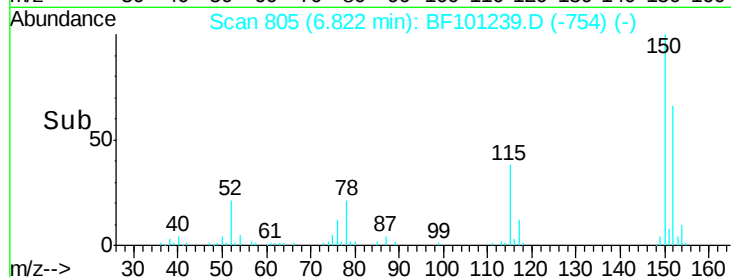
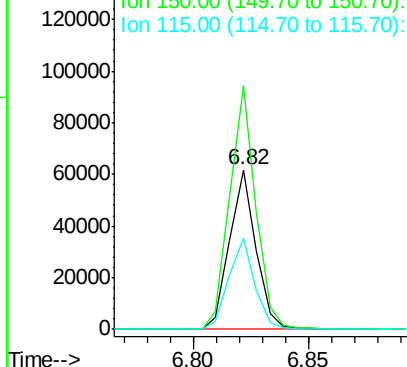
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

Instrument :
BNA_F
ClientSampleId :
OK-03-120617

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



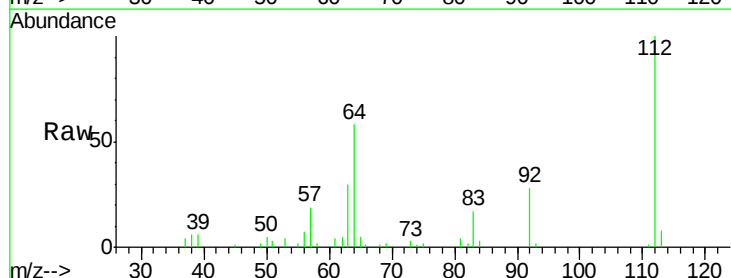
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



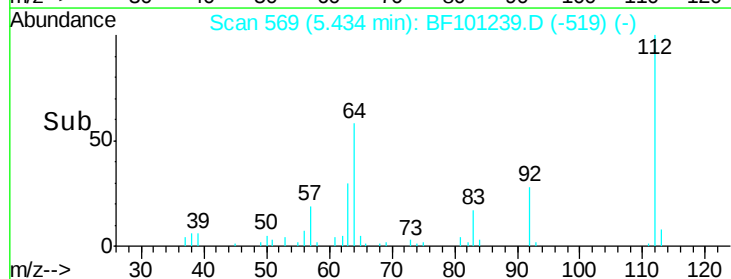
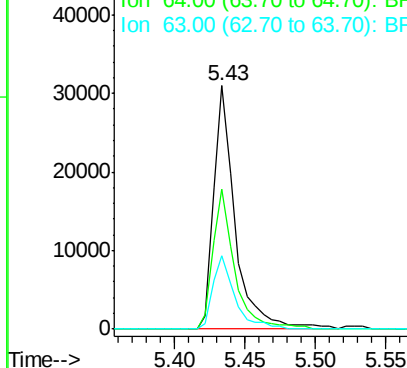
#5

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	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 :

OK-03-120617

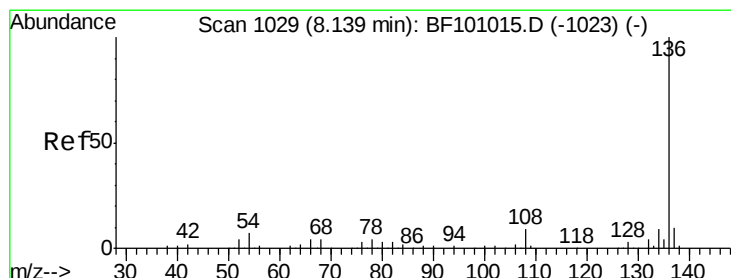
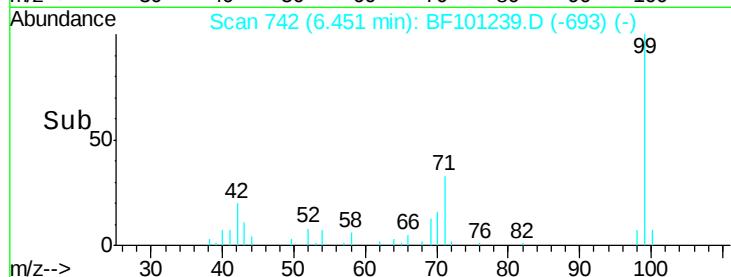
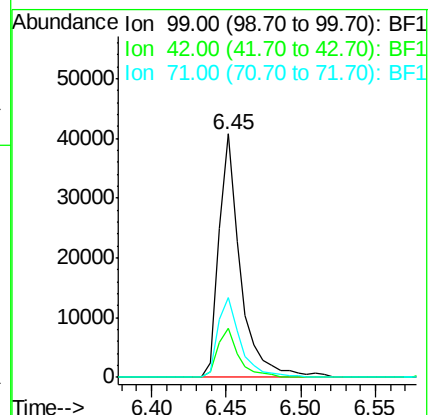
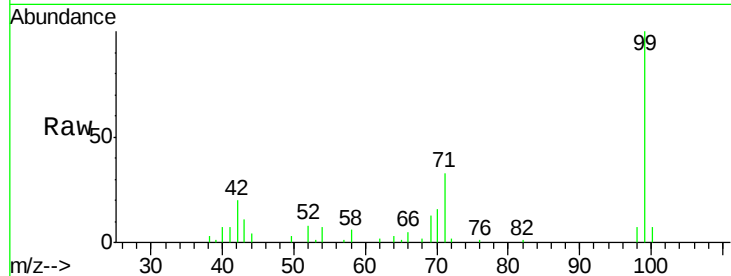
Tot Ion: 99 Resp: 40983

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

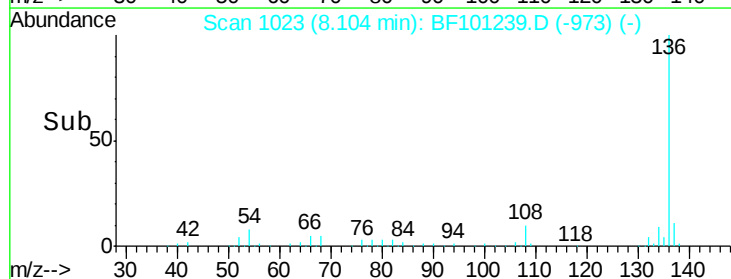
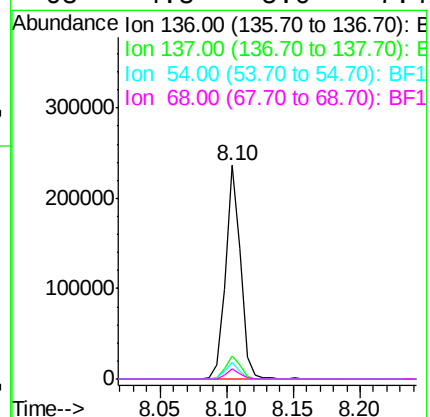
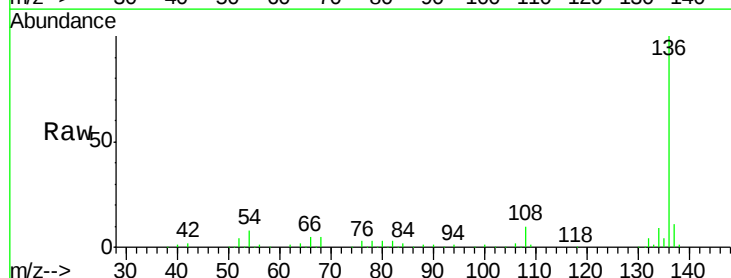
Ion Ratio Lower Upper

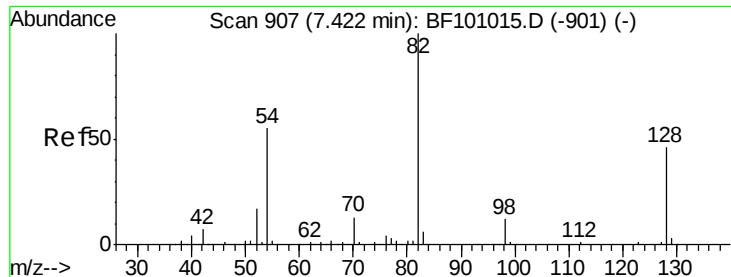
136 100

137 11.0 8.9 13.3

54 7.6 6.6 9.8

68 4.8 5.0 7.4#

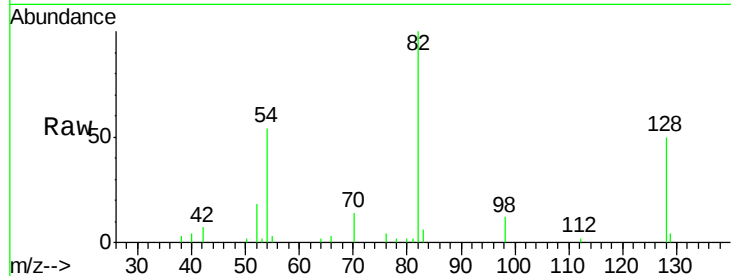




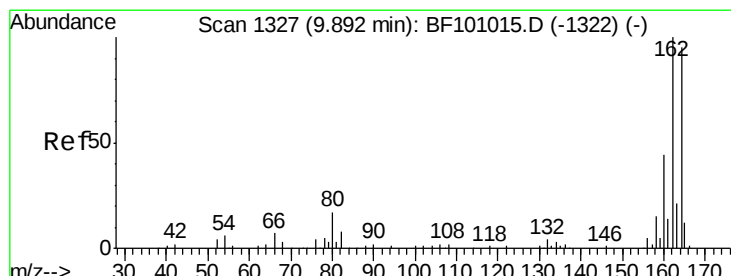
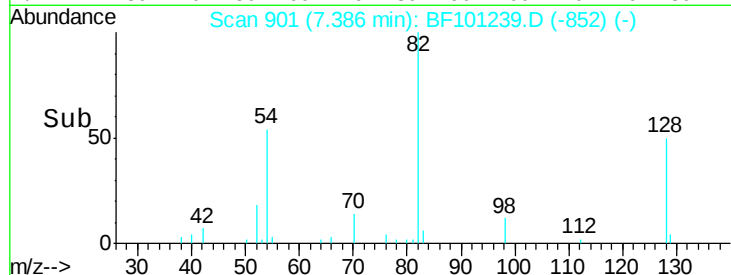
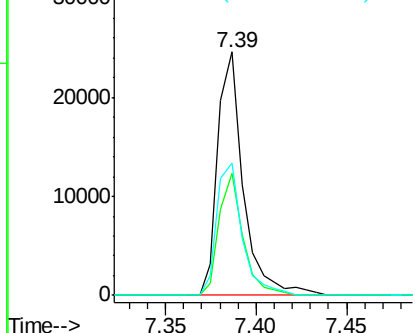
#23
 Nitrobenzene-d5
 Concen: 7.714 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-120617

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

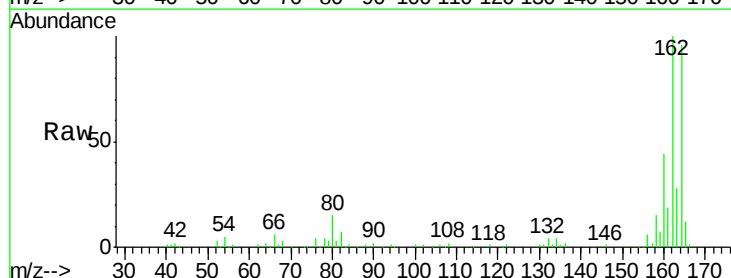


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

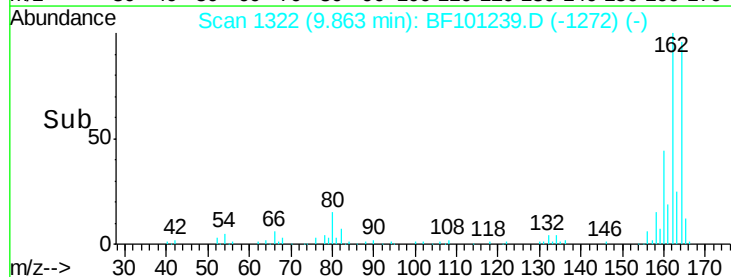
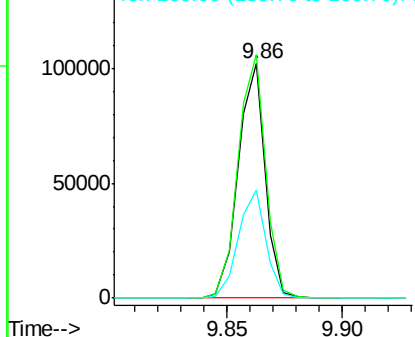


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt 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

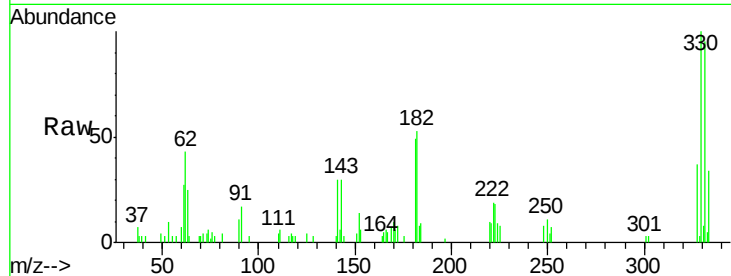




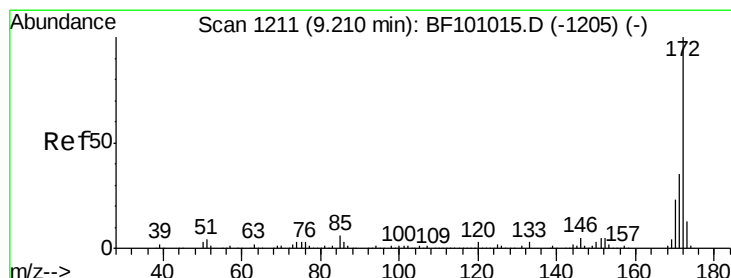
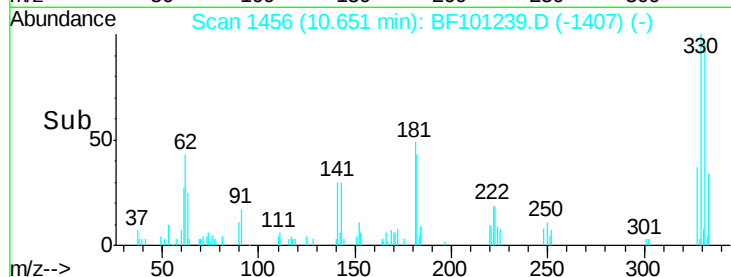
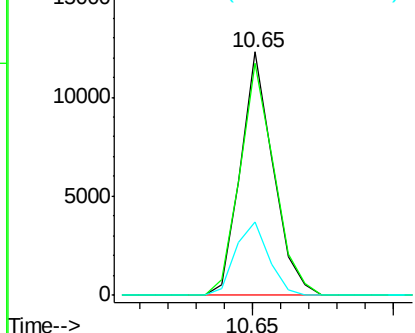
#41
 2,4,6-Tribromophenol
 Concen: 9.918 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-120617

Tot Ion:330 Resp: 9882
 Ion Ratio Lower Upper
 330 100
 332 99.8 77.0 115.6
 141 30.9 29.9 44.9

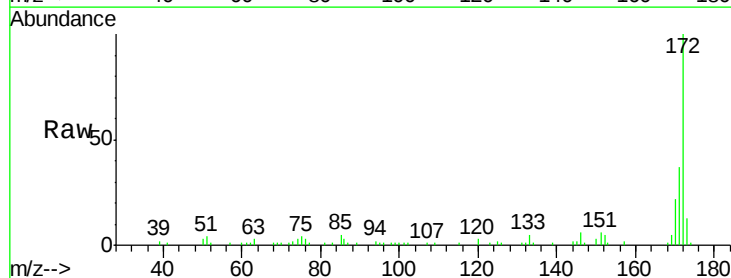


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

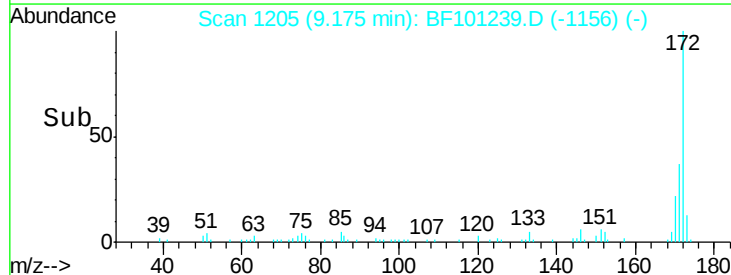
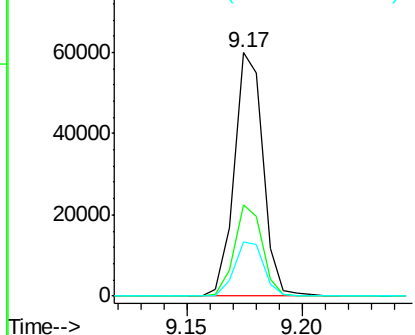


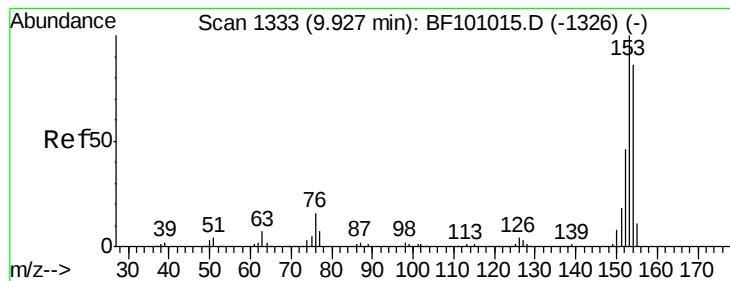
#44
 2-Fluorobiphenyl
 Concen: 8.585 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

Tgt Ion:172 Resp: 52042
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.7 44.5
 170 22.4 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





#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 :

OK-03-120617

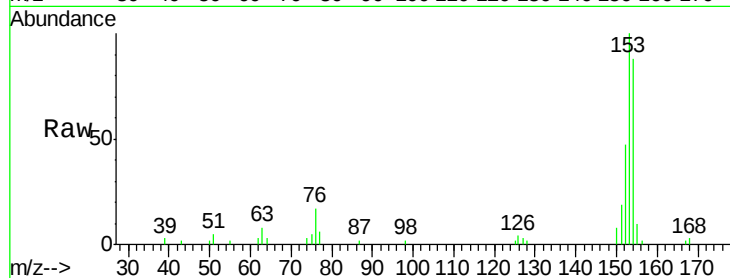
Tot Ion:154 Resp: 12156

Ion Ratio Lower Upper

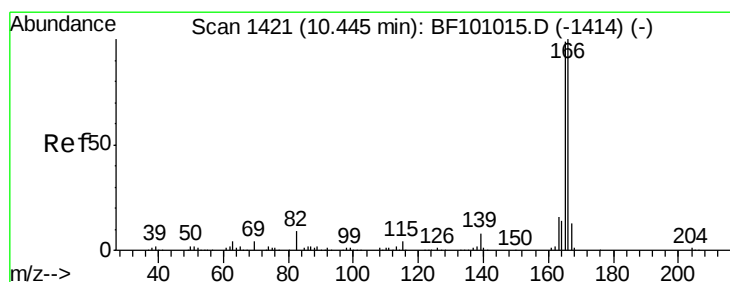
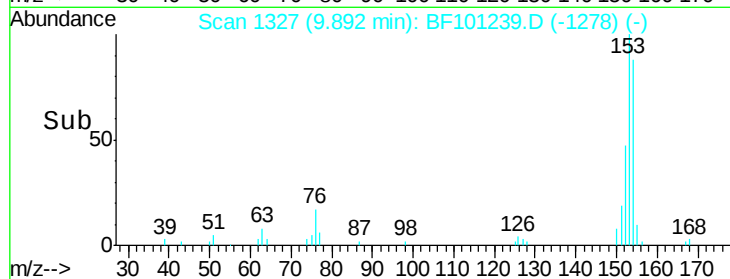
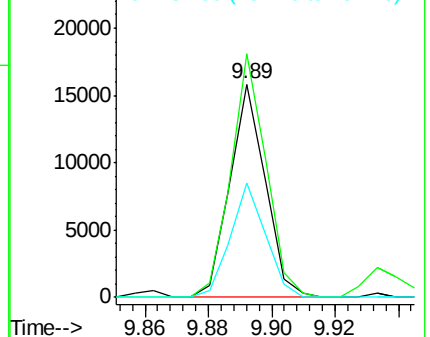
154 100

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



#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

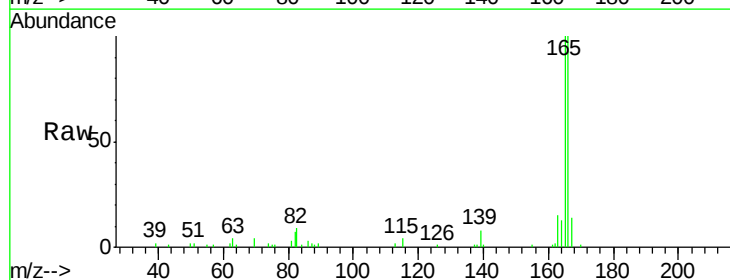
Tgt Ion:166 Resp: 30268

Ion Ratio Lower Upper

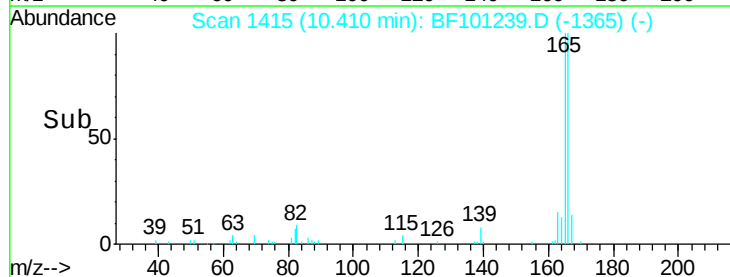
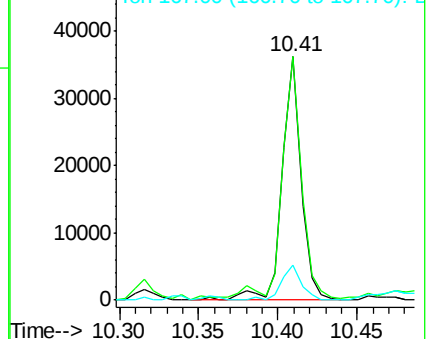
166 100

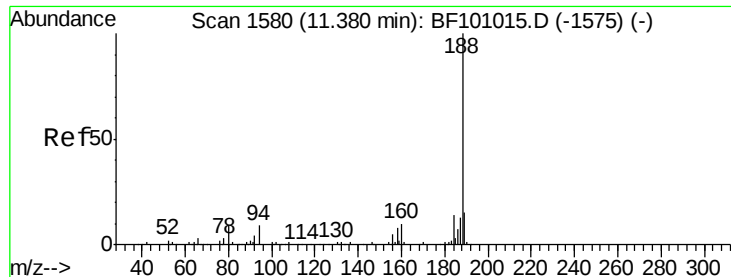
165 99.8 79.8 119.8

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

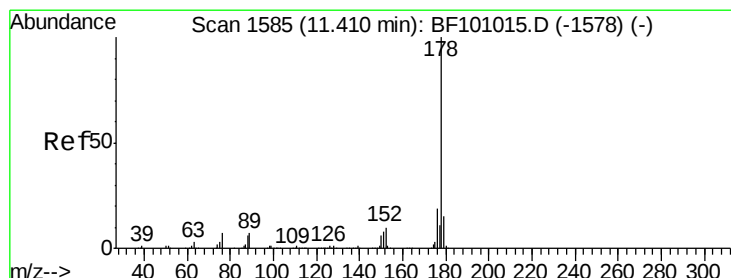
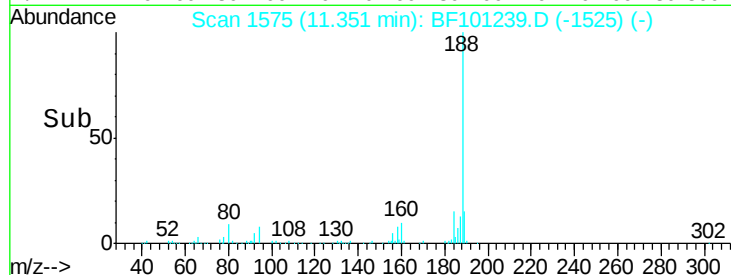
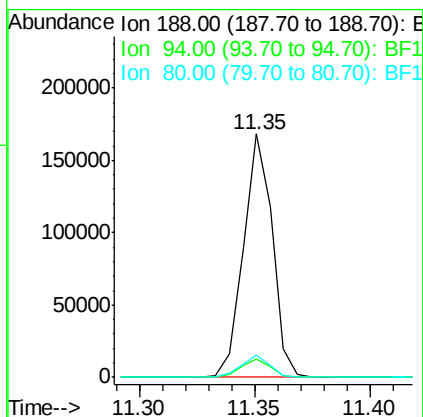
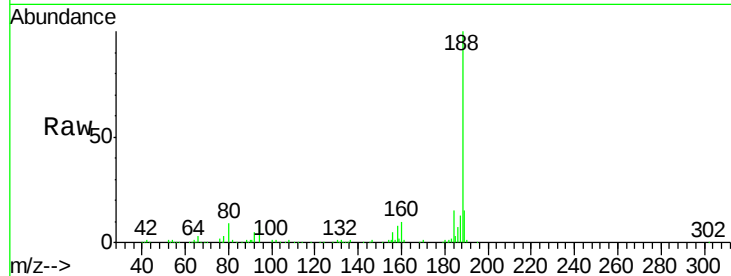




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

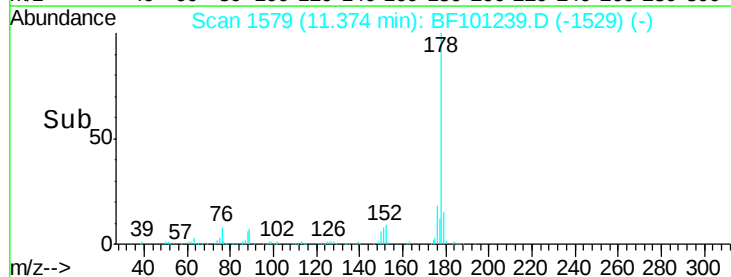
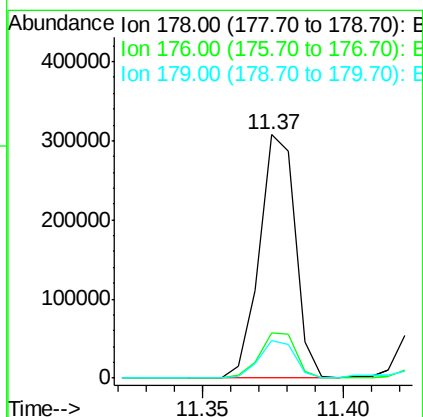
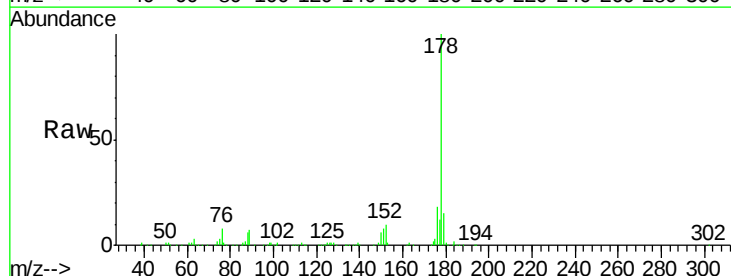
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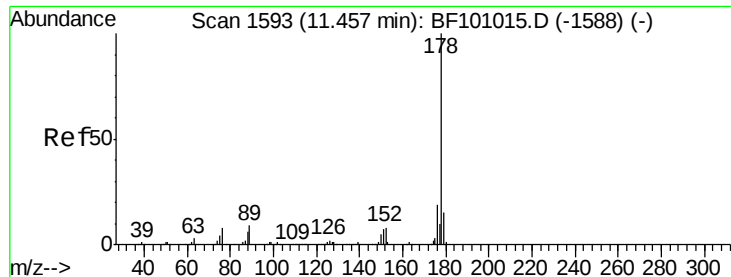
Tot Ion:188 Resp: 146865
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 9.0 9.2 13.8#



#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

Tgt Ion:178 Resp: 272269
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.3 13.0 19.6

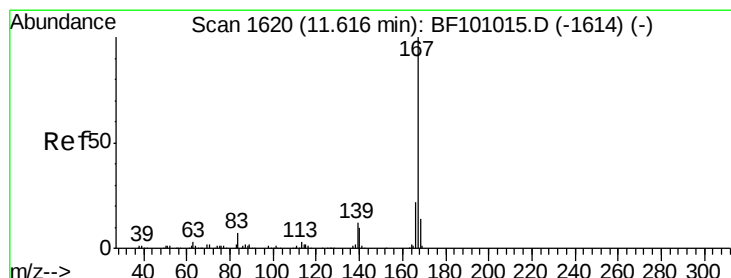
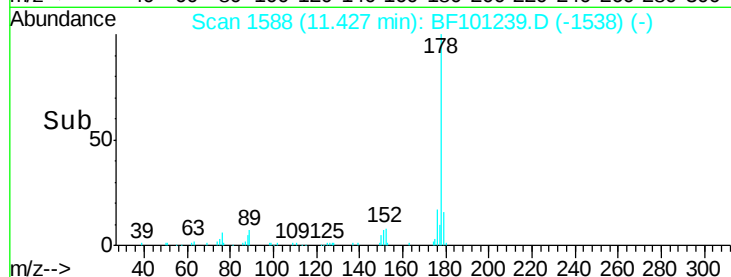
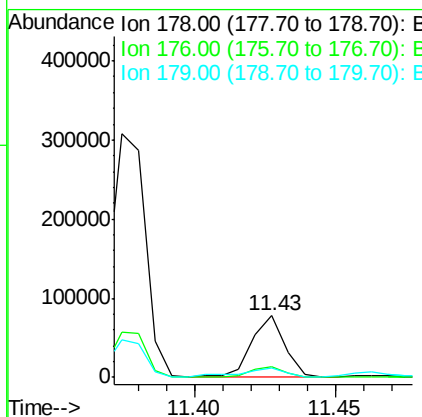
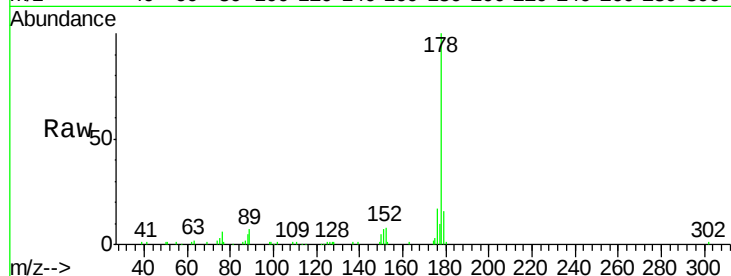




#71
 Anthracene
 Concen: 7.626 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

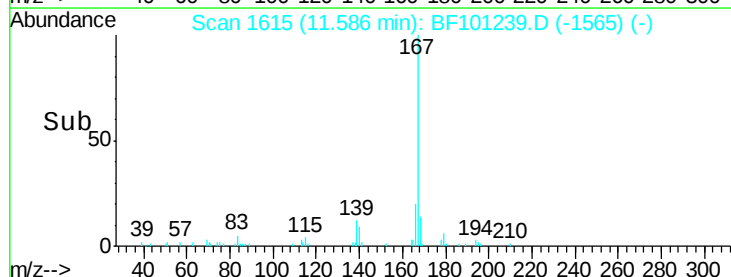
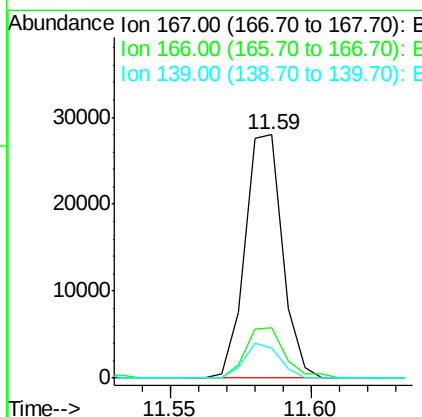
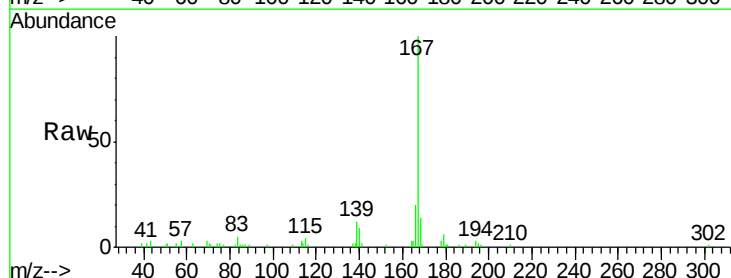
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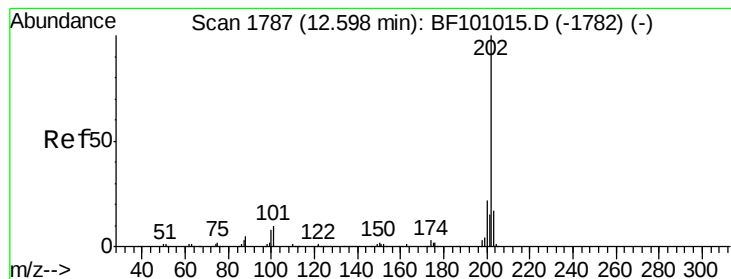
Tot Ion:178 Resp: 62423
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.2
 179 15.8 12.6 19.0



#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

Tgt Ion:167 Resp: 25768
 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

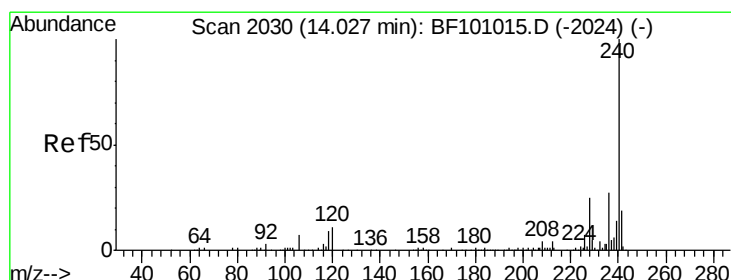
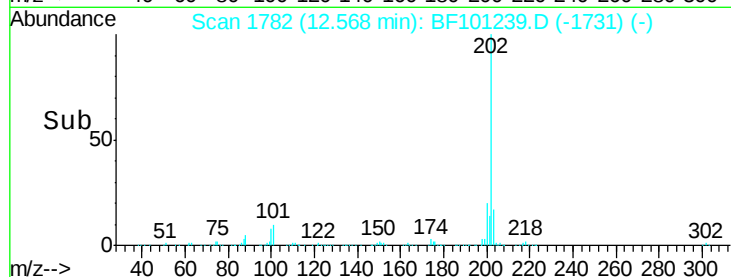
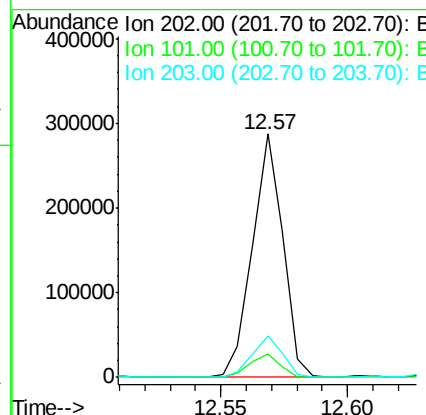
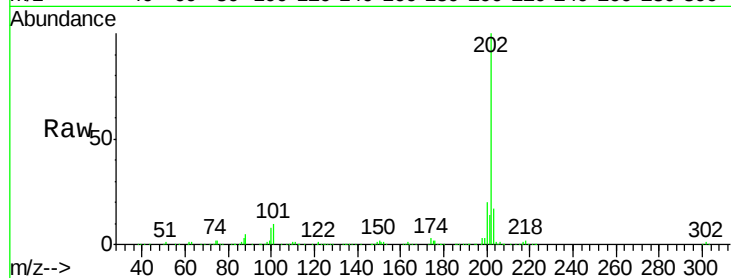
Instrument :

BNA_F

ClientSampleId :

OK-03-120617

Tot Ion:	202	Resp:	241564
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

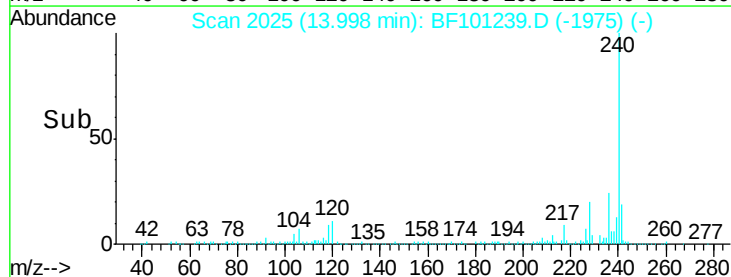
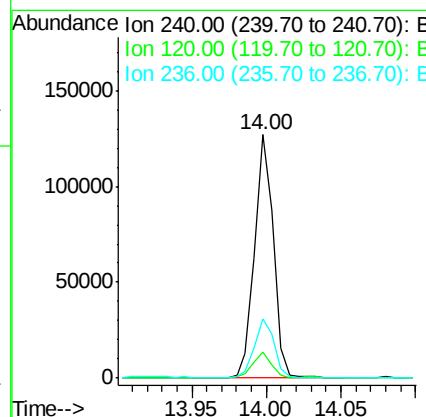
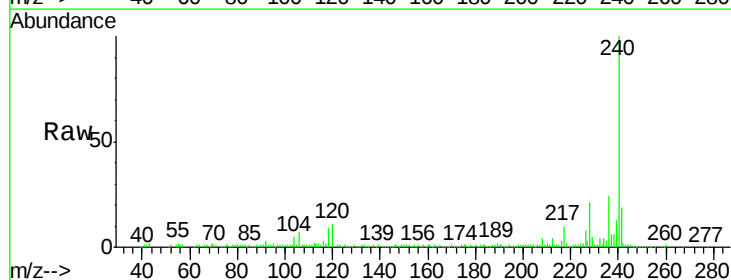
RT: 14.00 min Scan# 2025

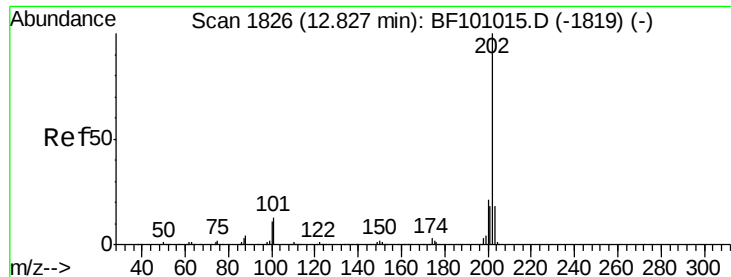
Delta R.T. -0.01 min

Lab File: BF101239.D

Acq: 8 Dec 2017 16:51

Tgt Ion:	240	Resp:	110964
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	24.4	20.7	31.1





#77

Pvrene

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

Instrument :

BNA_F

ClientSampleId :

OK-03-120617

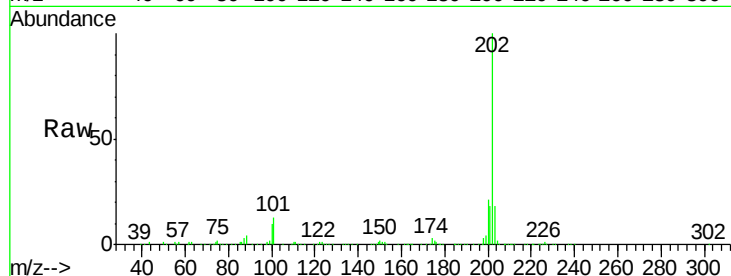
Tot Ion:202 Resp: 234787

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

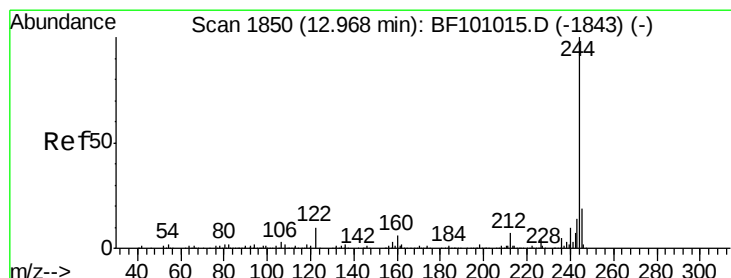
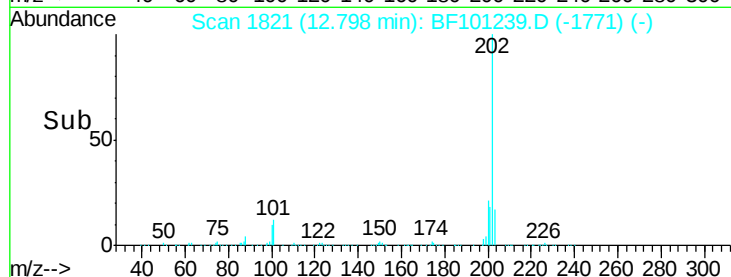
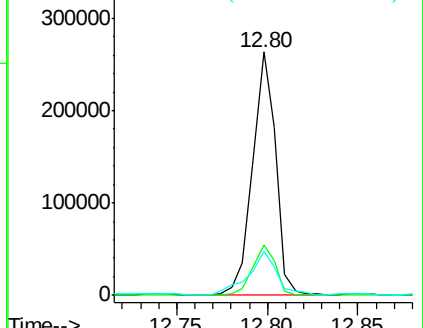
203 18.0 14.3 21.5



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

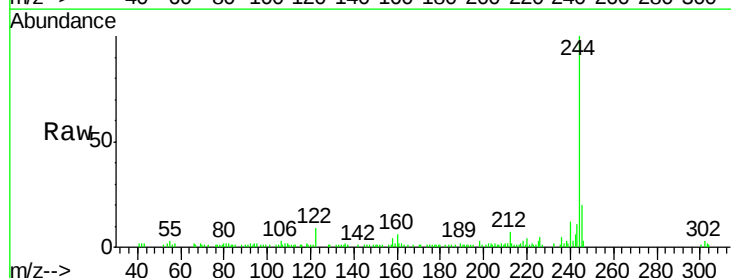
Tgt Ion:244 Resp: 39551

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

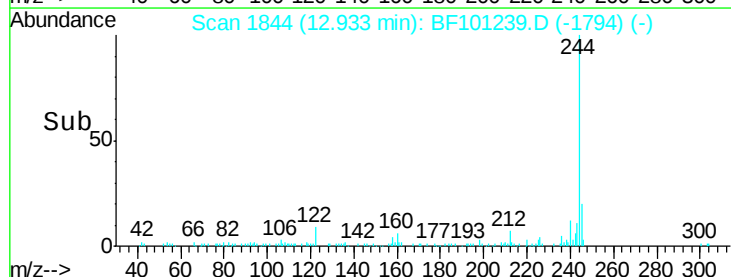
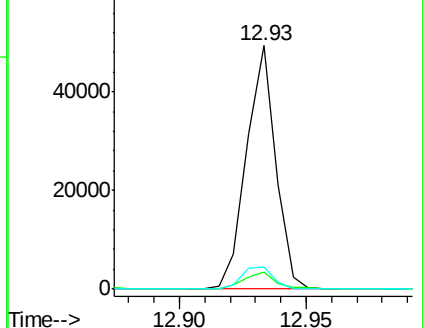
122 9.0 11.0 16.4#

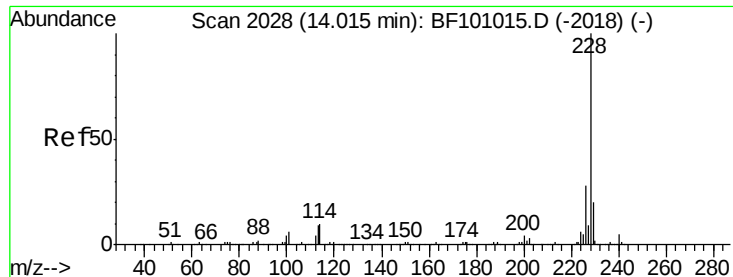


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

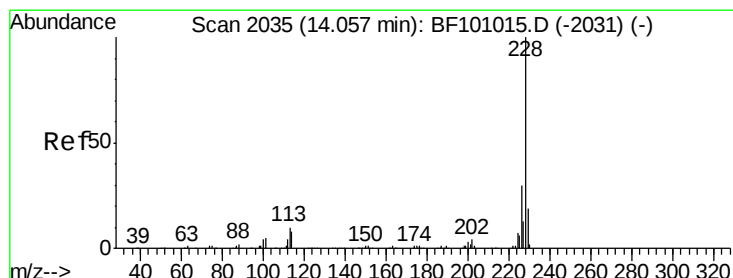
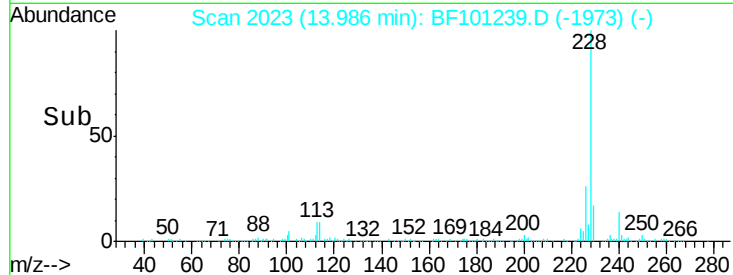
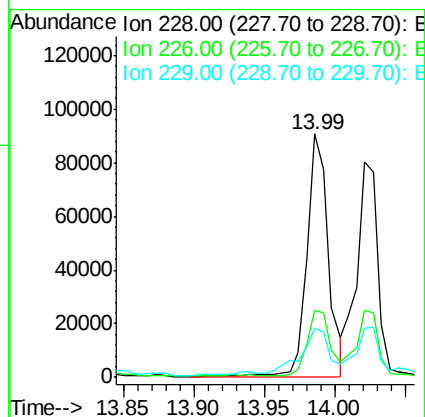
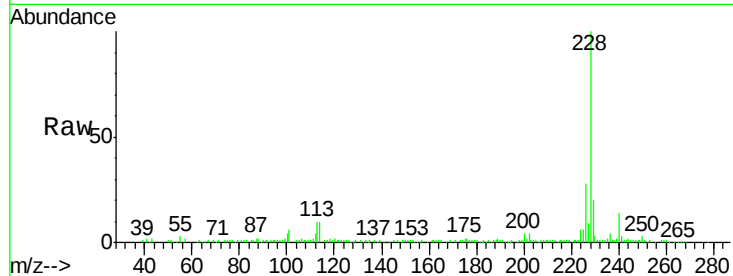




#80
Benzo(a)anthracene
Concen: 13.524 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

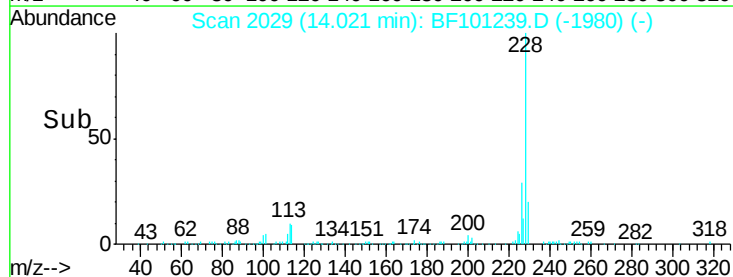
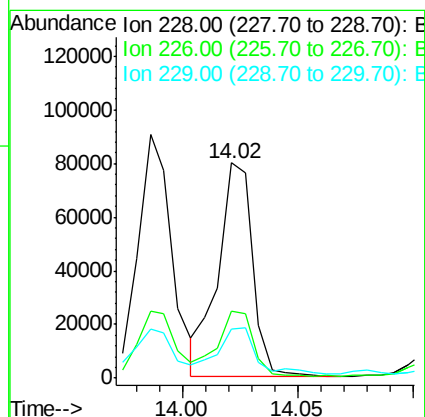
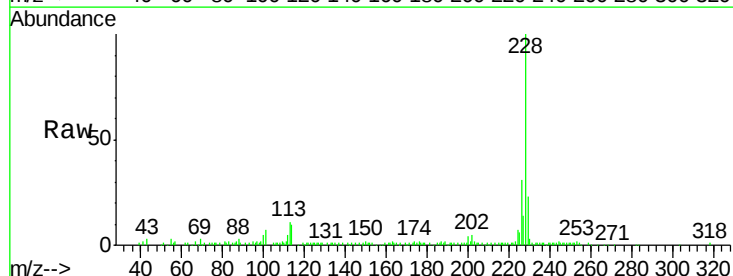
Instrument :
BNA_F
ClientSampleId :
OK-03-120617

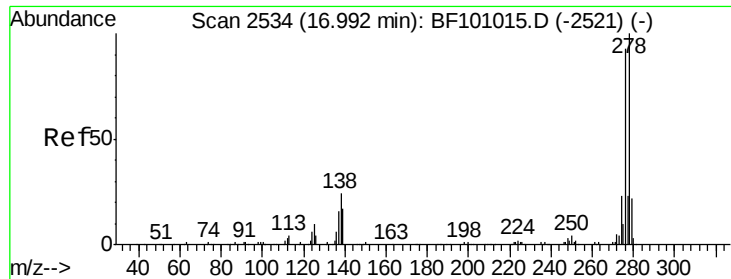
Tot Ion:228 Resp: 94754
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 20.1 15.8 23.6



#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

Tgt Ion:228 Resp: 83283
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 22.8 16.2 24.4

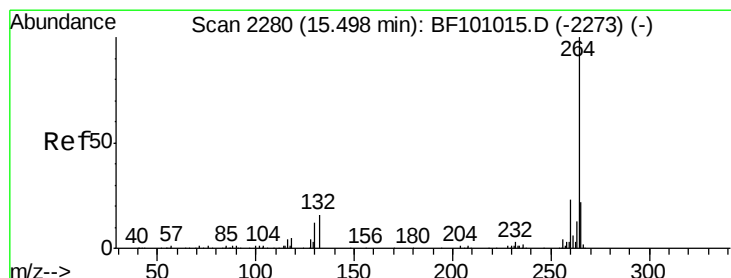
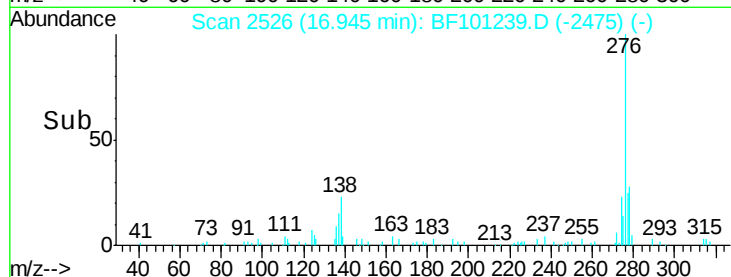
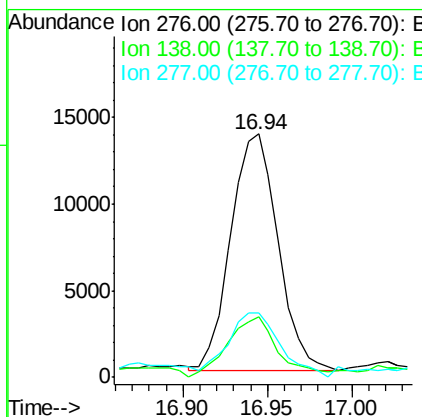
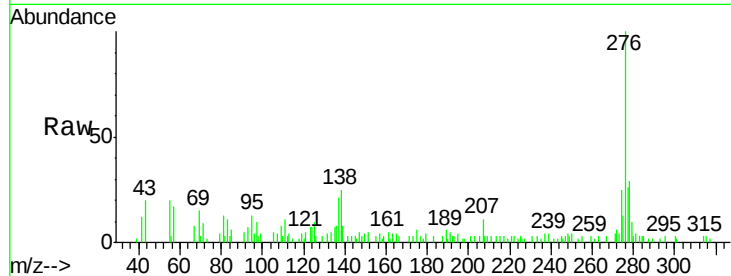




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.587 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.00 min
 Lab File: BF101239.D
 Acq: 8 Dec 2017 16:51

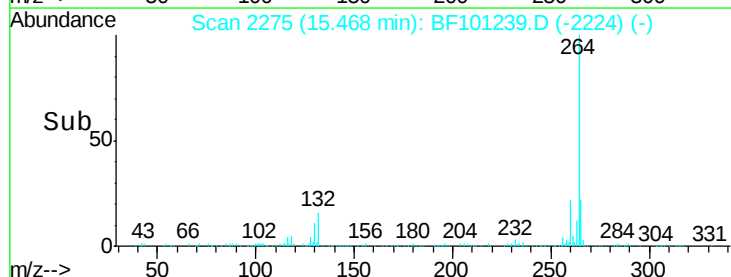
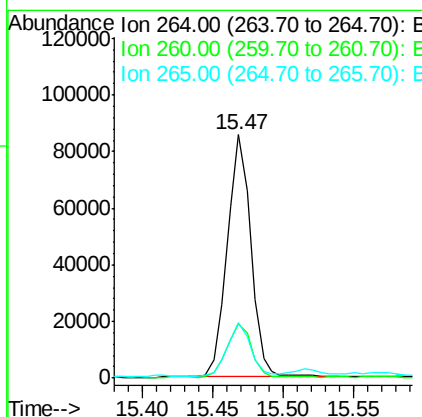
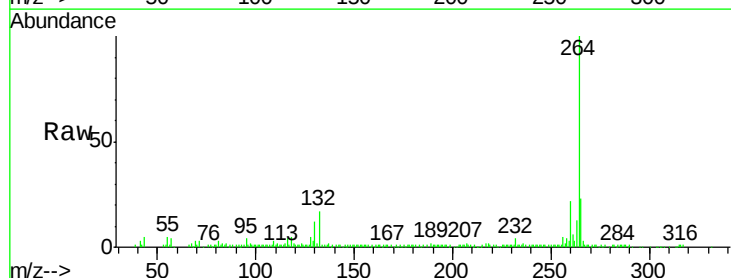
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-120617

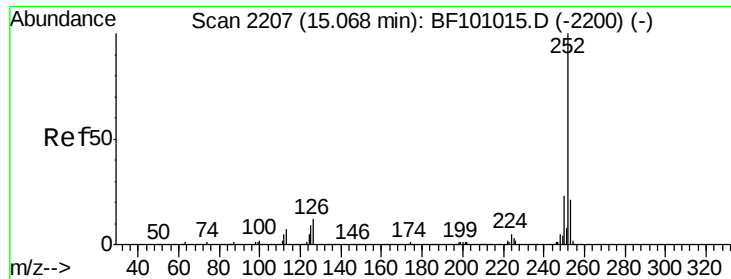
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	30.3	20.1	30.1#



#86
 Perylene-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

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

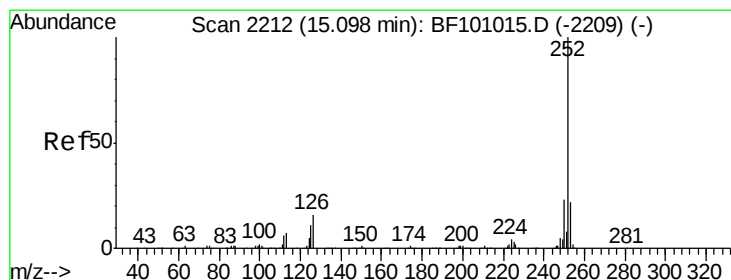
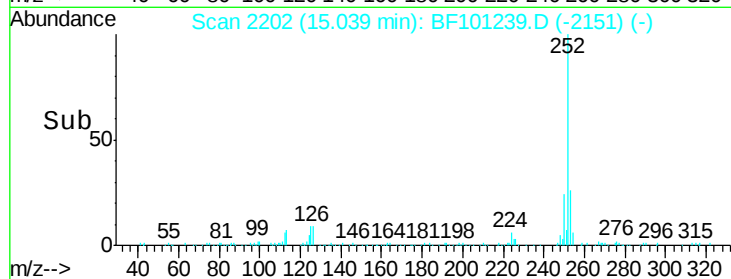
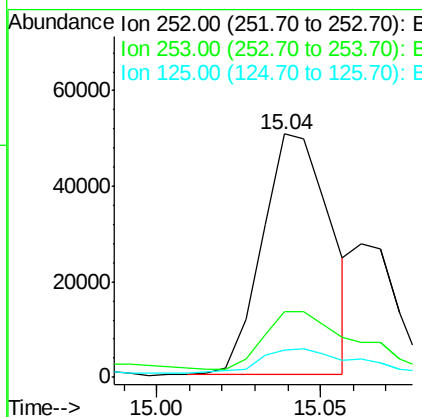
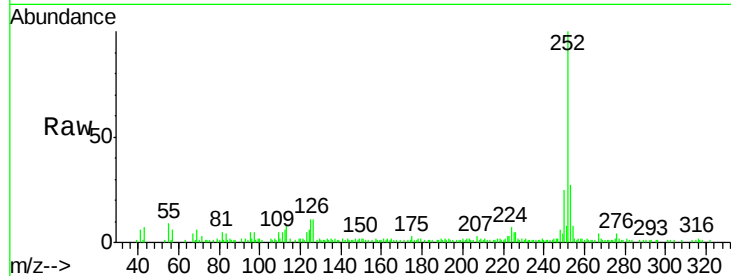




#87
Benzo(b)fluoranthene
Concen: 12.201 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

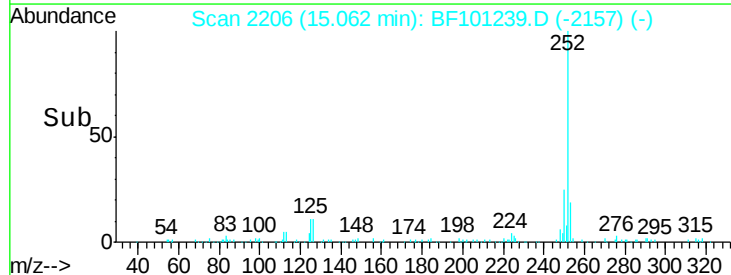
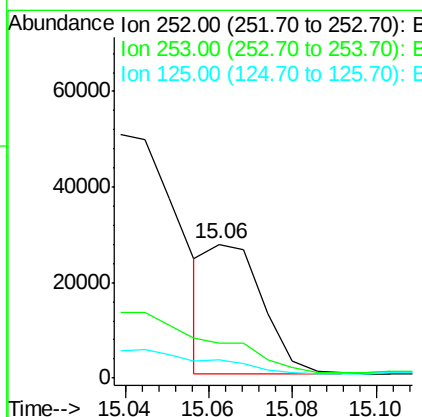
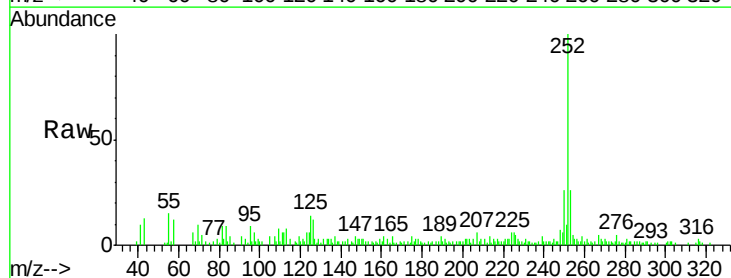
Instrument :
BNA_F
ClientSampleId :
OK-03-120617

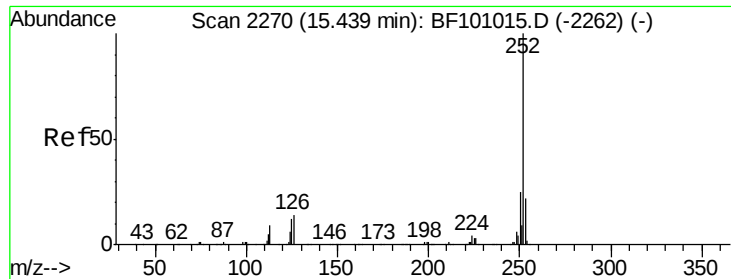
Tot Ion:252 Resp: 72862
Ion Ratio Lower Upper
252 100
253 27.1 17.0 25.6#
125 11.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 4.192 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

Tgt Ion:252 Resp: 24666
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 13.6 10.2 15.2

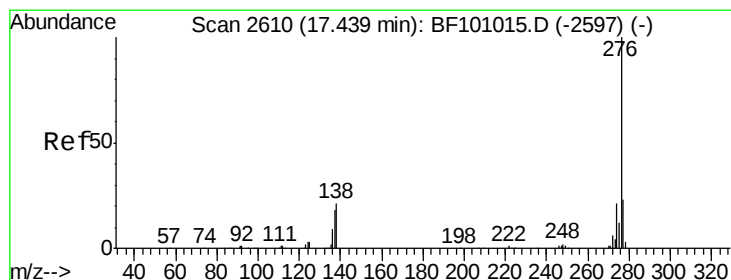
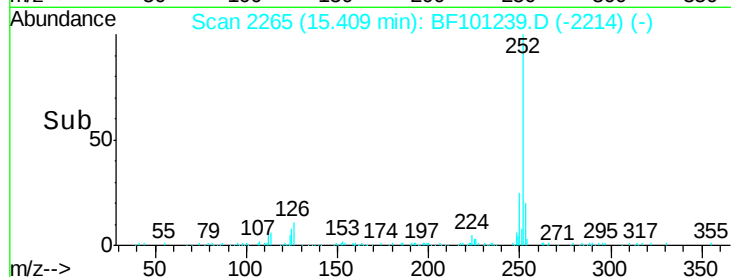
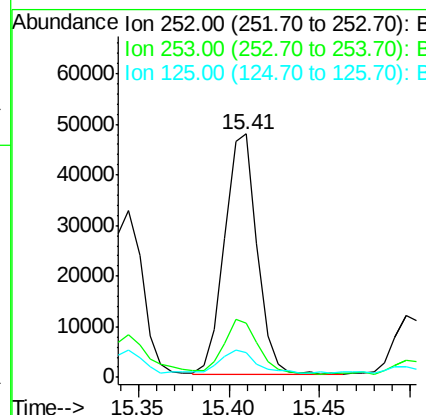
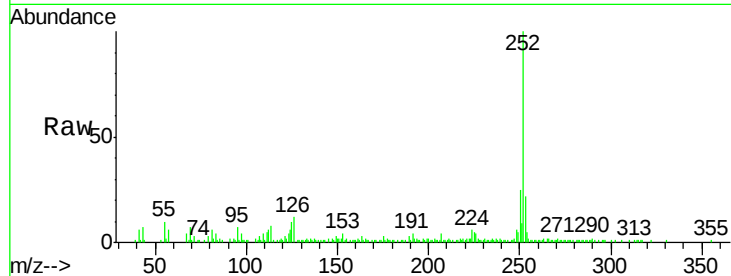




#89
Benzo(a)pyrene
Concen: 10.917 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BF101239.D
Acq: 8 Dec 2017 16:51

Instrument :
BNA_F
ClientSampleId :
OK-03-120617

Tot 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(g,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

Tgt Ion:276 Resp: 25892
Ion Ratio Lower Upper
276 100
277 25.6 17.9 26.9
138 26.3 21.8 32.8

