

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
 Data File : BF101668.D
 Acq On : 22 Dec 2017 21:56
 Operator : SJ/JU
 Sample : I6677-11 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-B

Quant Time: Dec 22 22:38:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

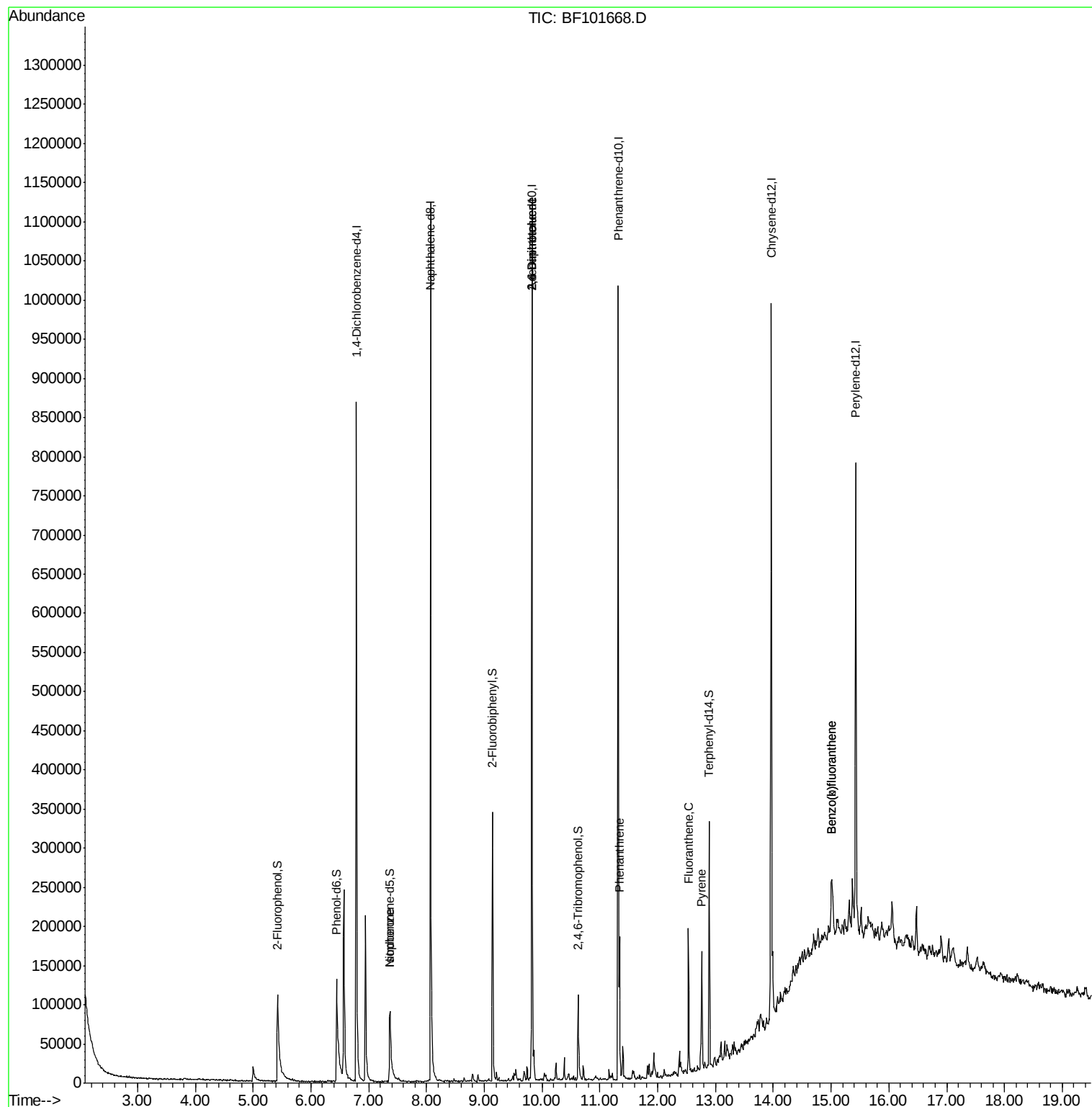
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	139764	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	535888	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	213690	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	351498	20.00	ng	0.00
75) Chrysene-d12	13.96	240	296001	20.00	ng	0.00
86) Perylene-d12	15.43	264	288443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	80943	8.63	ng	0.02
7) Phenol-d6	6.45	99	109772	9.40	ng	0.01
23) Nitrobenzene-d5	7.37	82	66221	6.88	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	16109	7.82	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	122387	8.88	ng	0.00
78) Terphenyl-d14	12.89	244	92353	7.52	ng	-0.01
Target Compounds						
25) Isophorone	7.37	82	66221	3.429	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	27233	7.795	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	27233	6.919	ng	# 23
70) Phenanthrene	11.34	178	65678	3.360	ng	96
74) Fluoranthene	12.53	202	71185	3.469	ng	97
77) Pyrene	12.76	202	63765	2.870	ng	97
87) Benzo(b)fluoranthene	15.01	252	50451	2.870	ng	# 91
88) Benzo(k)fluoranthene	15.01	252	50451	2.951	ng	# 94

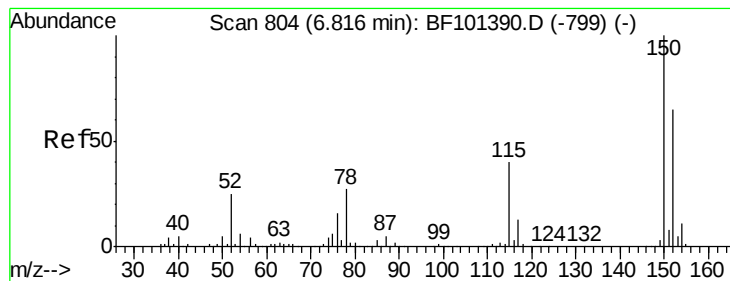
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
Data File : BF101668.D
Acq On : 22 Dec 2017 21:56
Operator : SJ/JU
Sample : I6677-11 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-122117-B

Quant Time: Dec 22 22:38:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 16:07:58 2017
Response via : Initial Calibration



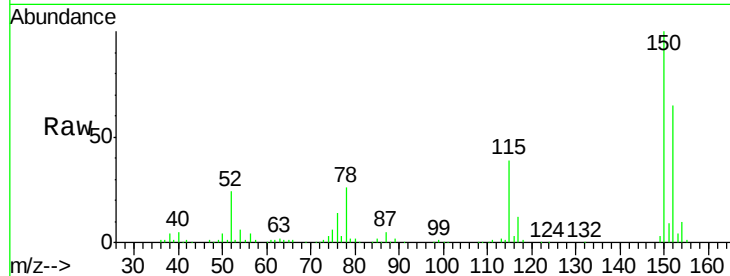


#1

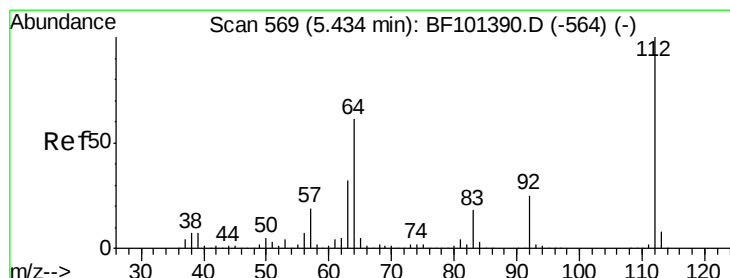
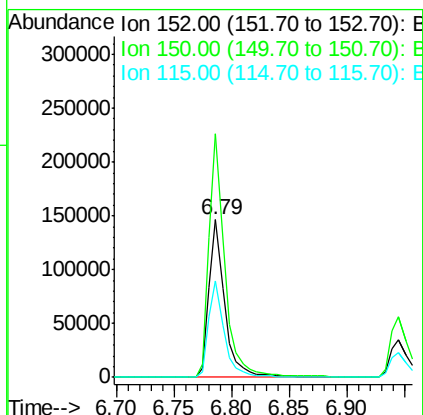
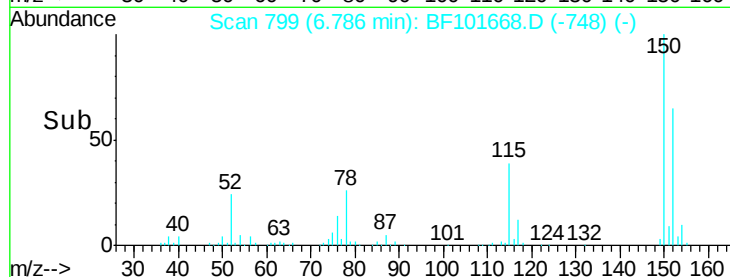
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
OR-02-122117-B

Tot Ion:152 Resp: 139764
Ion Ratio Lower Upper
152 100
150 154.6 124.6 186.8
115 60.9 50.1 75.1



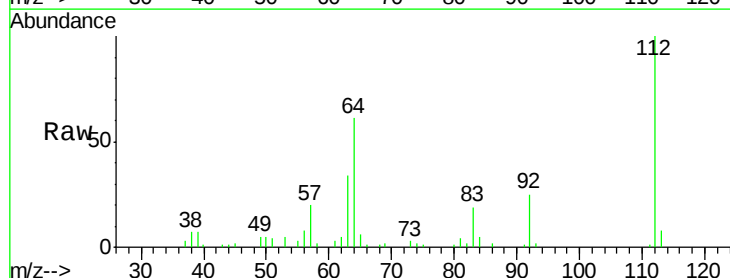
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



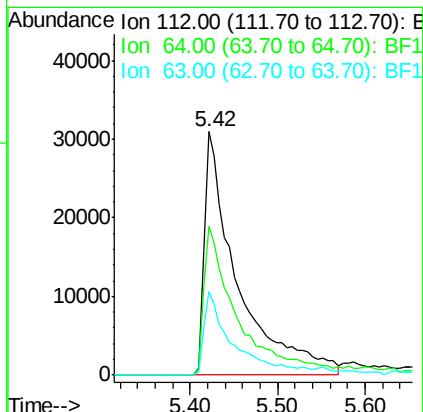
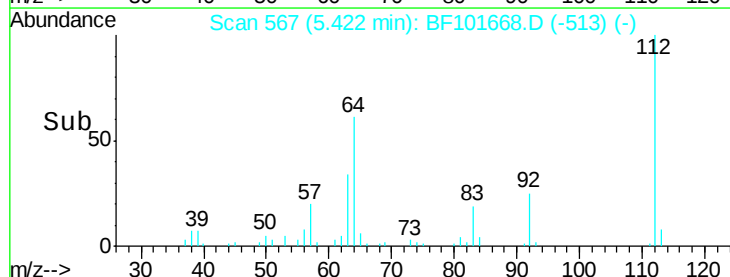
#5

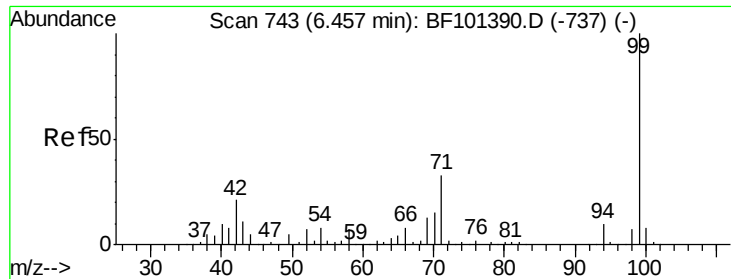
2-Fluorophenol
Concen: 8.627 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Tgt Ion:112 Resp: 80943
Ion Ratio Lower Upper
112 100
64 61.1 47.9 71.9
63 34.5 23.7 35.5



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





#7

Phenol-d6

Concen: 9.401 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-B

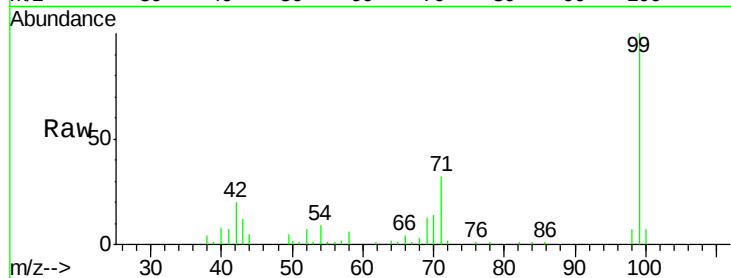
Tot Ion: 99 Resp: 109772

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

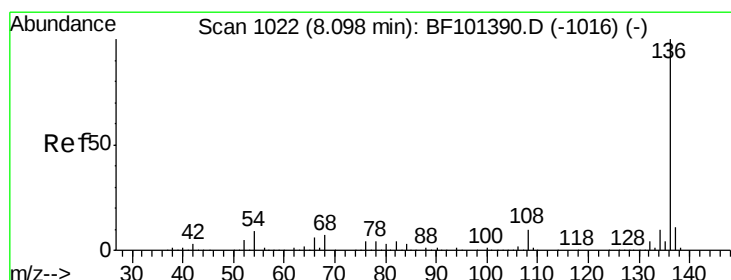
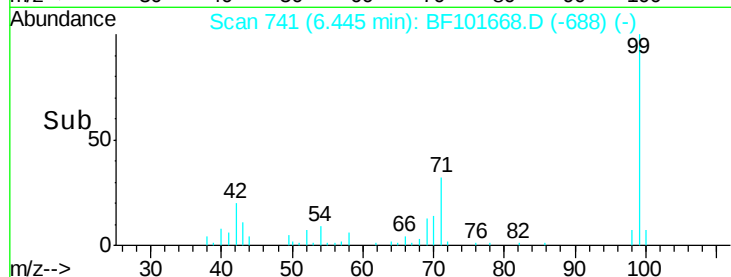
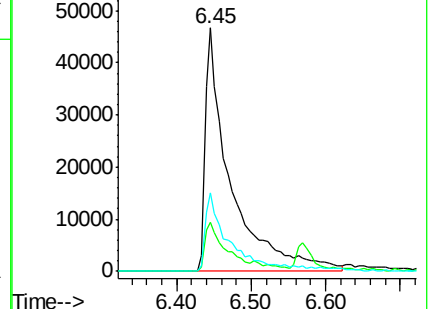
71 32.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

Tgt Ion: 136 Resp: 535888

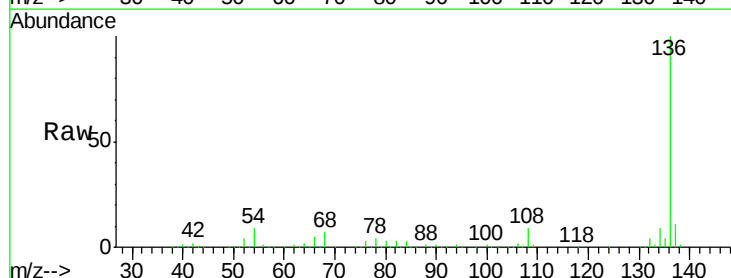
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.9 6.6 9.8

68 6.7 5.0 7.4

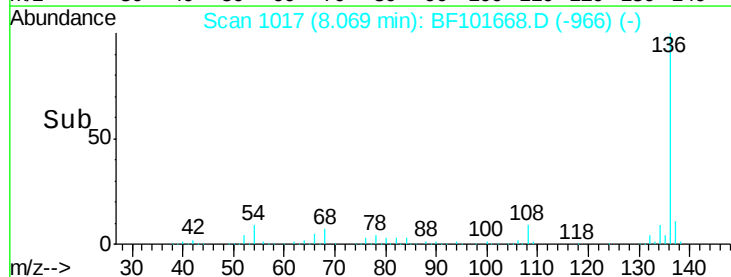
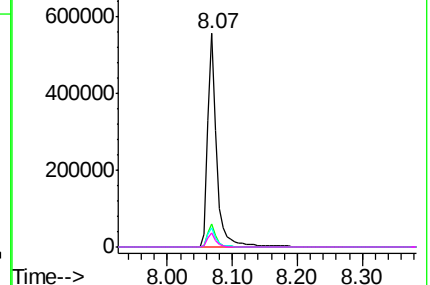


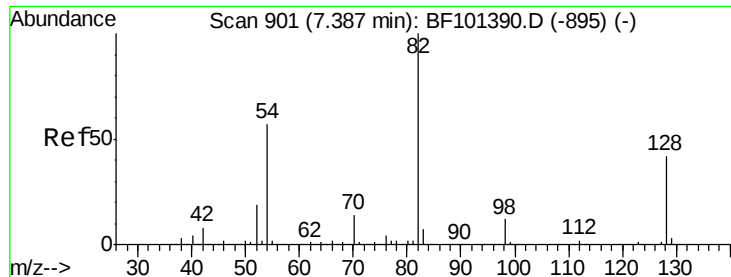
Abundance Ion 136.00 (135.70 to 136.70): E

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

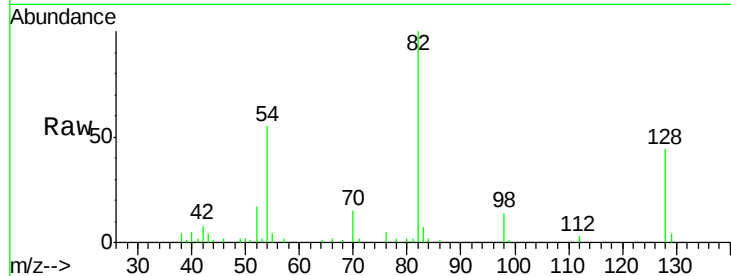




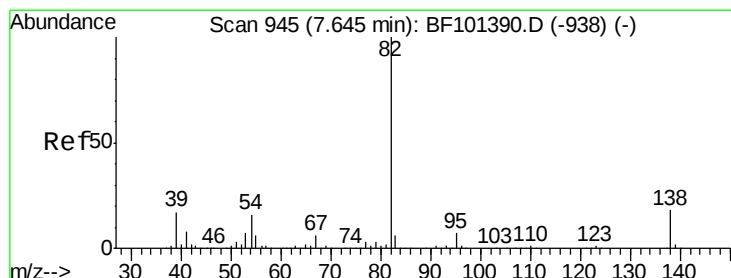
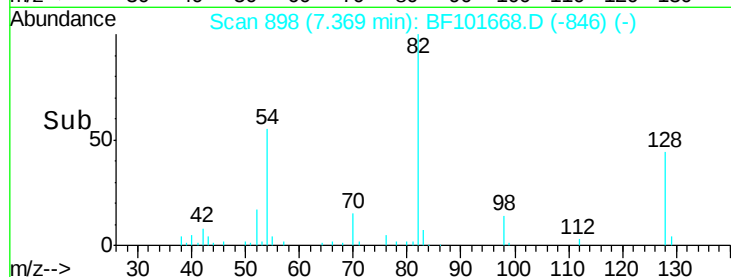
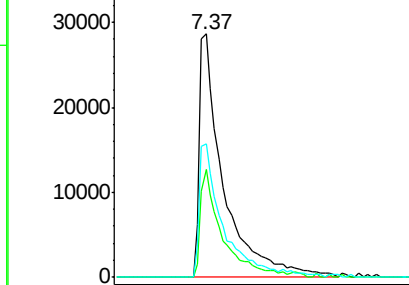
#23
 Nitrobenzene-d5
 Concen: 6.879 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF101668.D
 Acq: 22 Dec 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-B

Tot Ion: 82 Resp: 66221
 Ion Ratio Lower Upper
 82 100
 128 44.2 36.1 54.1
 54 54.9 41.4 62.2

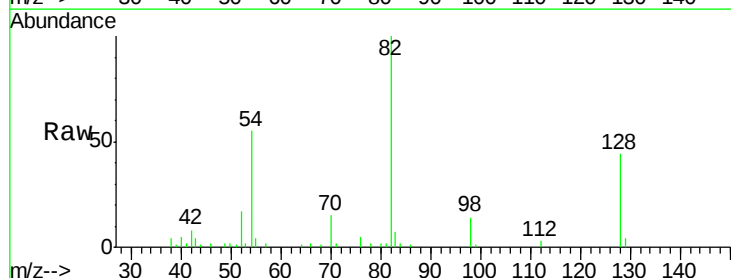


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

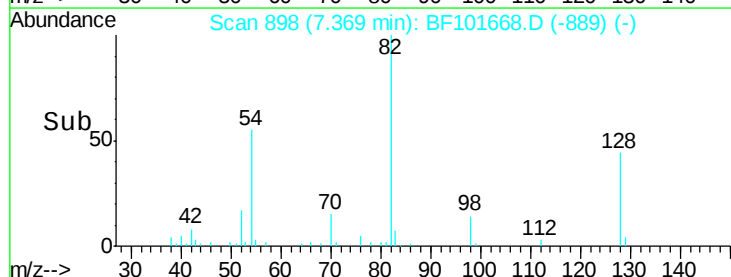
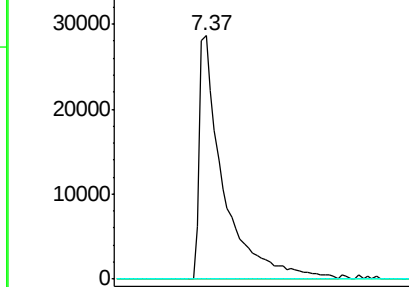


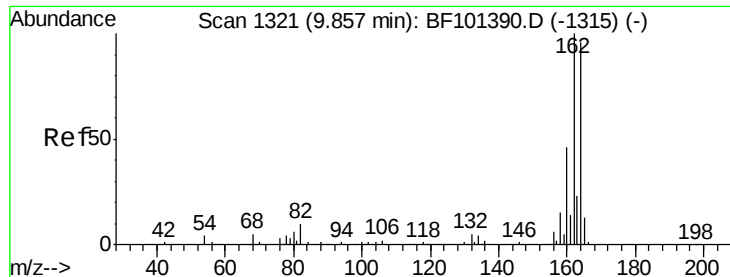
#25
 Isophorone
 Concen: 3.429 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.25 min
 Lab File: BF101668.D
 Acq: 22 Dec 2017 21:56

Tgt Ion: 82 Resp: 66221
 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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-B

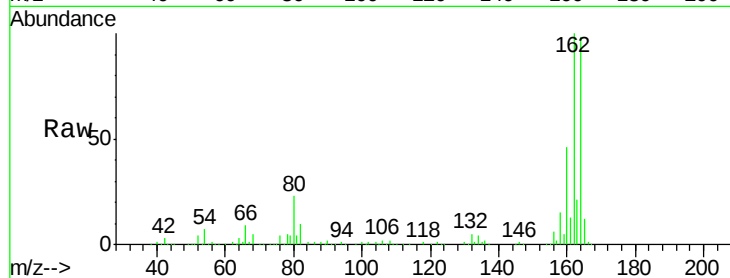
Tot Ion:164 Resp: 213690

Ion Ratio Lower Upper

164 100

162 102.1 86.1 129.1

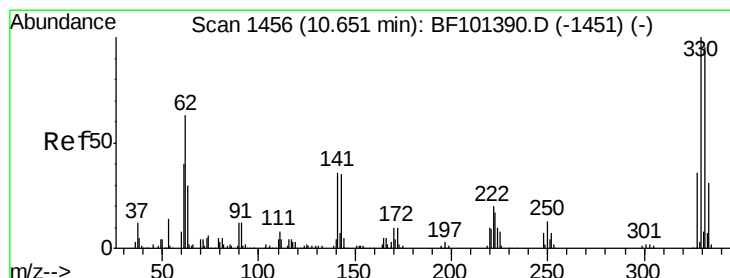
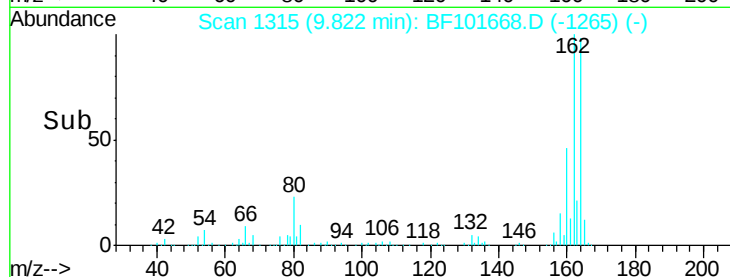
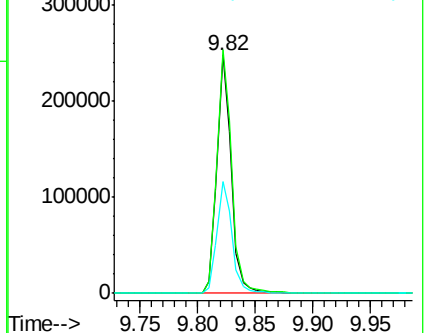
160 46.7 38.3 57.5



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: 7.823 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

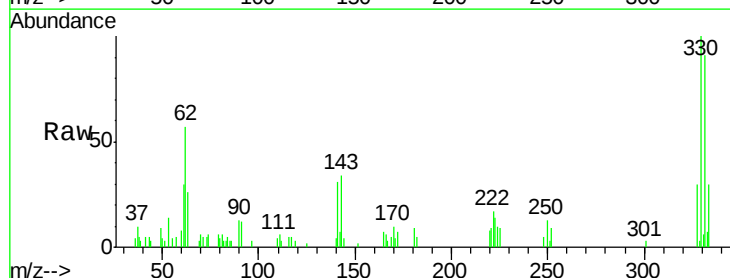
Tgt Ion:330 Resp: 16109

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

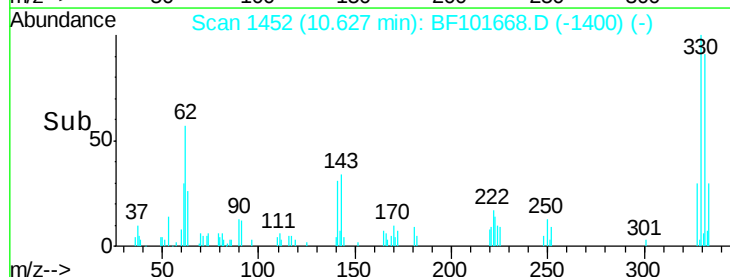
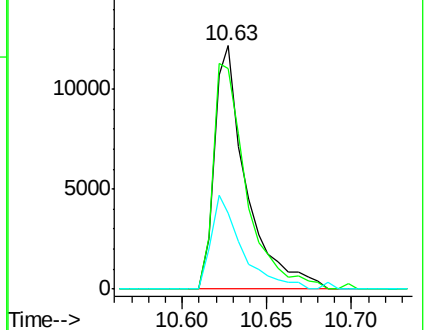
141 37.1 29.9 44.9

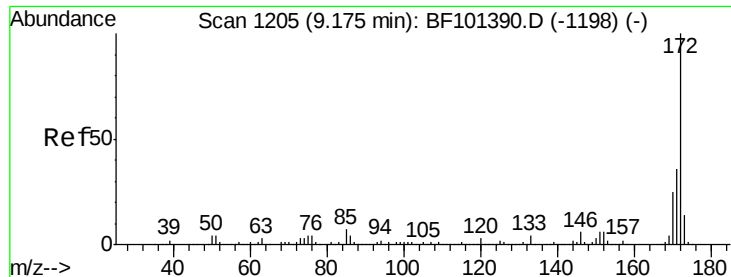


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

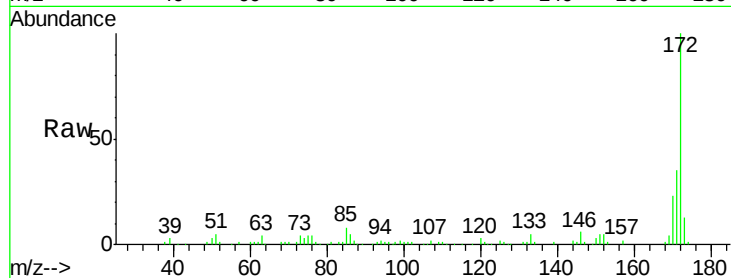




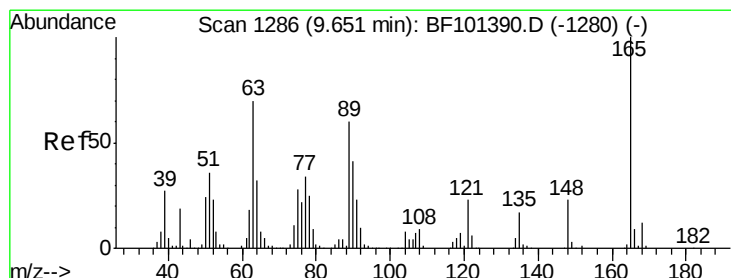
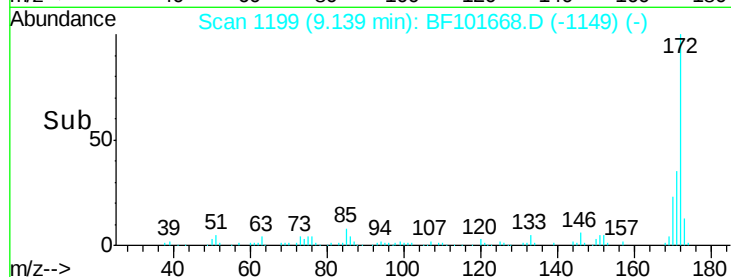
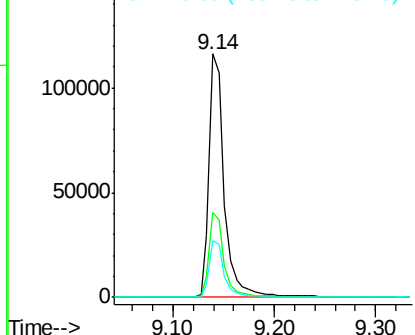
#44
2-Fluorobiphenyl
Concen: 8.884 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
OR-02-122117-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.2	19.6	29.4

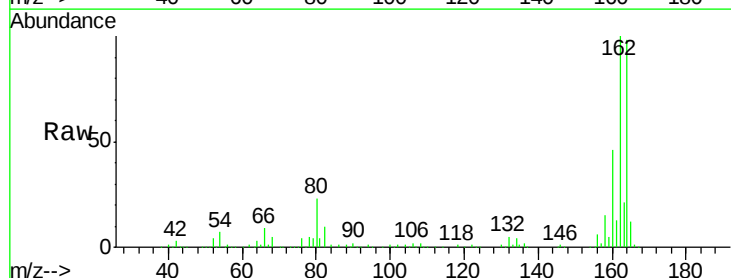


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

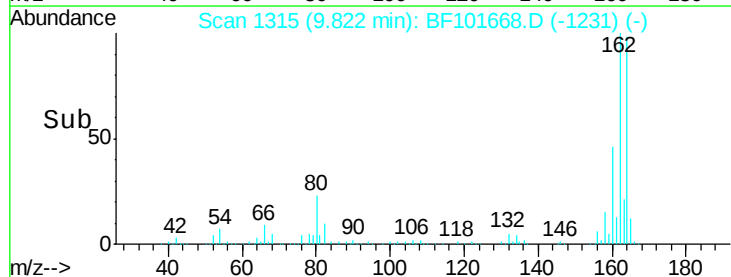
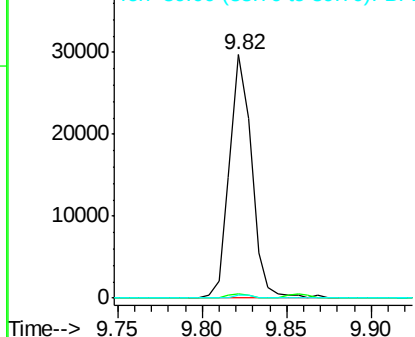


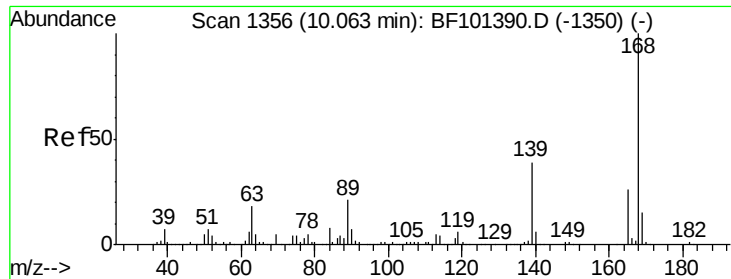
#50
2,6-Dinitrotoluene
Concen: 7.795 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.19 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.3	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

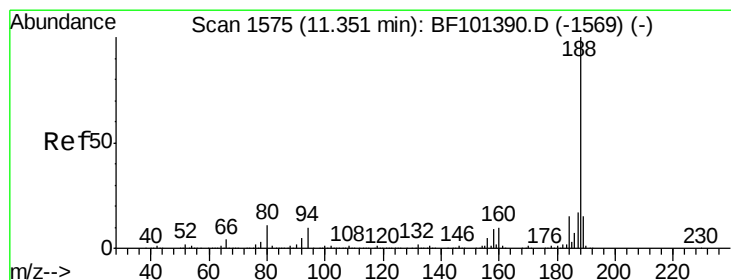
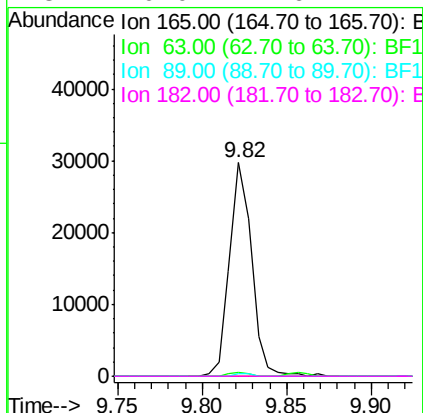
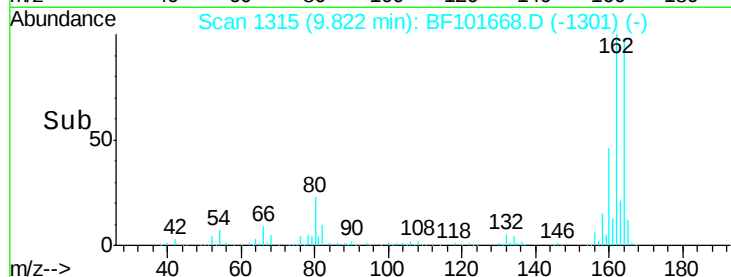
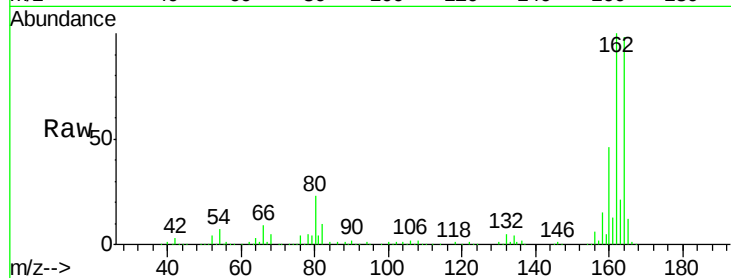




#56
 2,4-Dinitrotoluene
 Concen: 6.919 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101668.D
 Acq: 22 Dec 2017 21:56

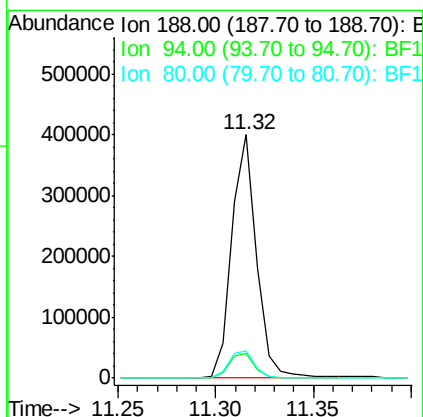
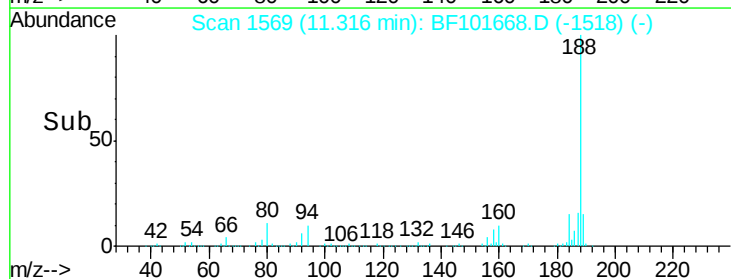
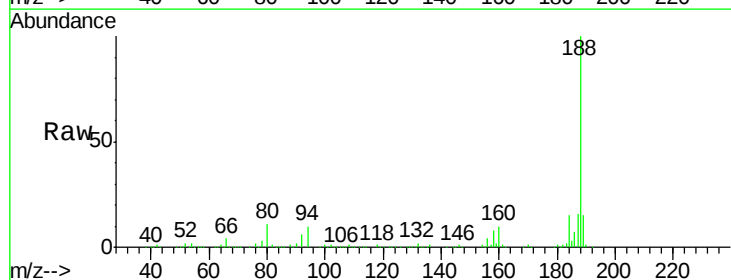
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-122117-B

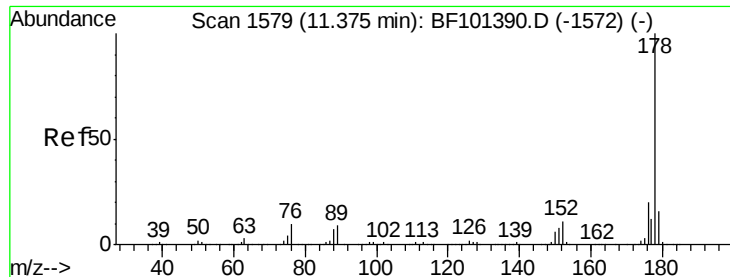
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101668.D
 Acq: 22 Dec 2017 21:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.0	9.2	13.8

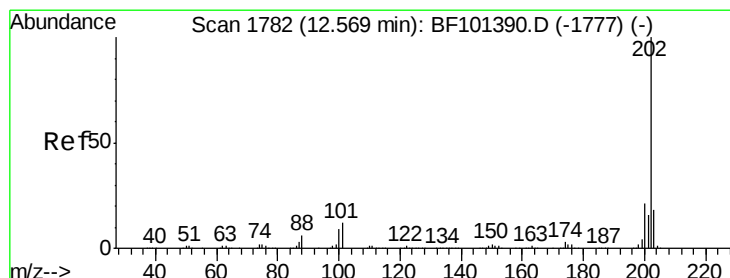
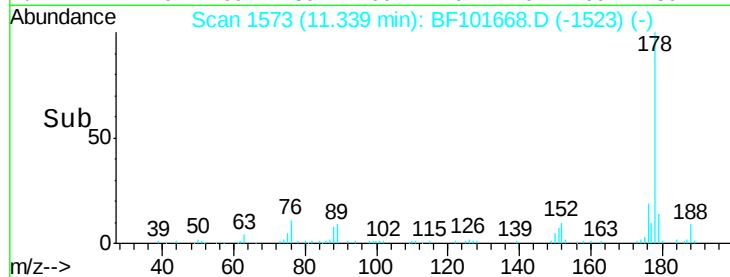
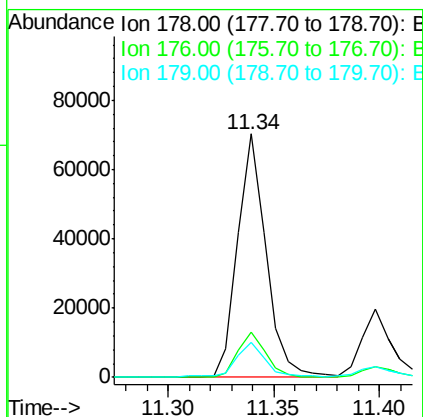
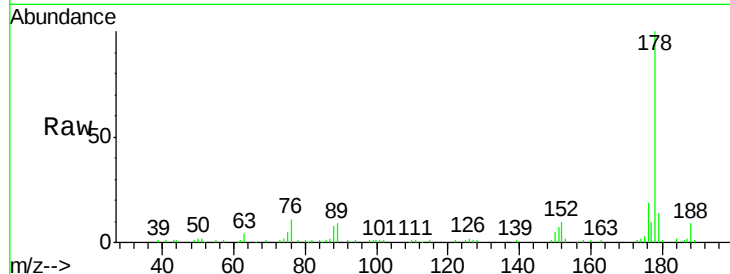




#70
Phenanthrene
Concen: 3.360 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

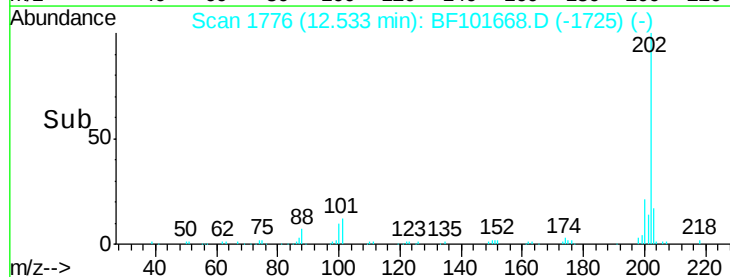
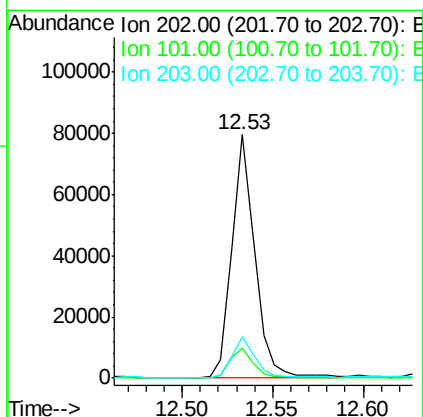
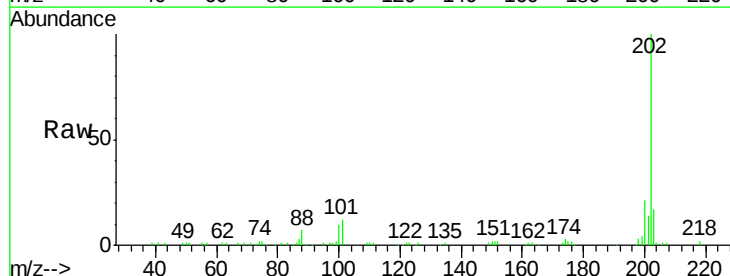
Instrument :
BNA_F
ClientSampleId :
OR-02-122117-B

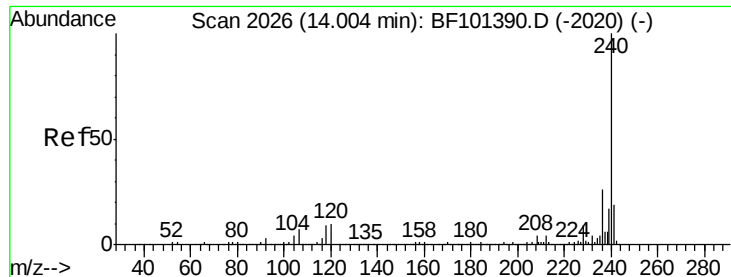
Tot Ion:178 Resp: 65678
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 14.1 13.0 19.6



#74
Fluoranthene
Concen: 3.469 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Tgt Ion:202 Resp: 71185
Ion Ratio Lower Upper
202 100
101 12.1 0.0 34.1
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-B

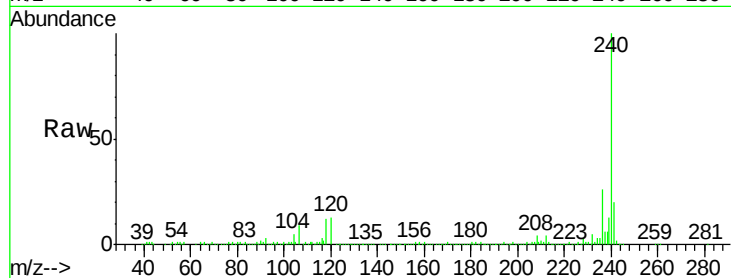
Tot Ion:240 Resp: 296001

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

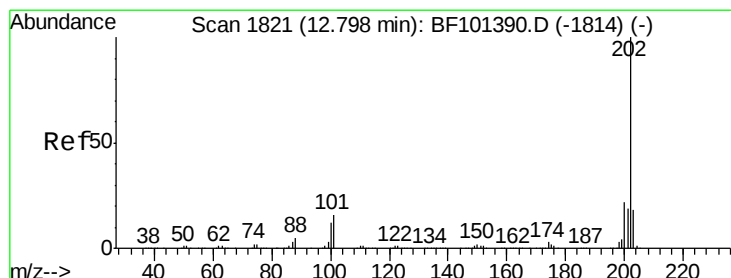
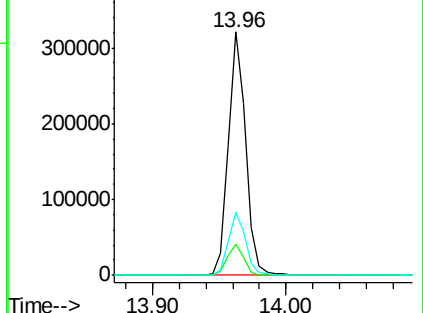
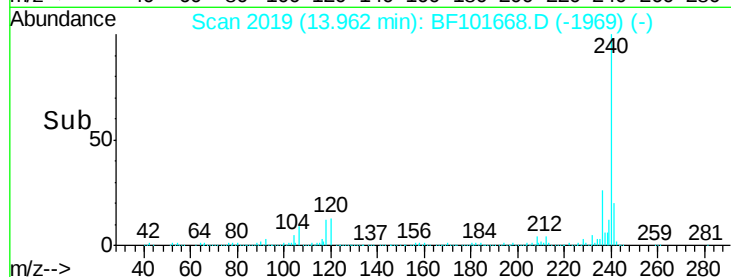
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.870 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

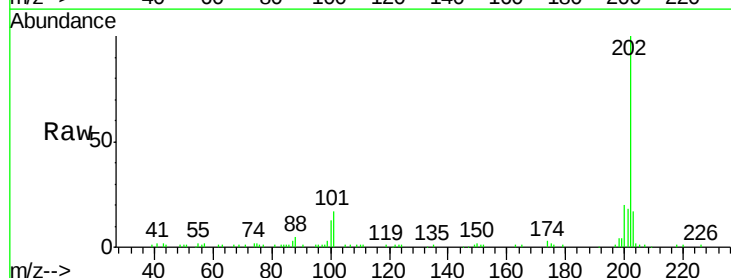
Tgt Ion:202 Resp: 63765

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

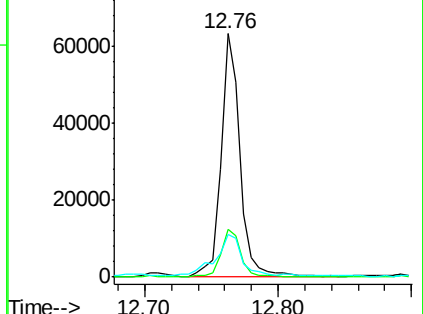
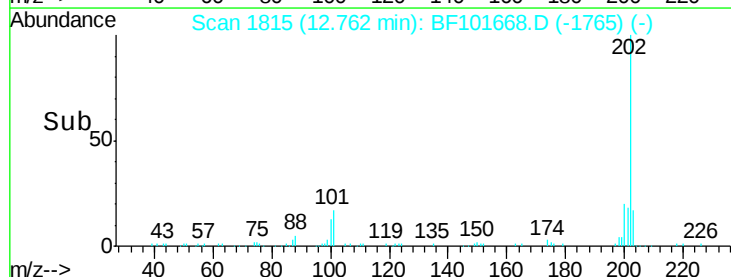
203 17.5 14.3 21.5

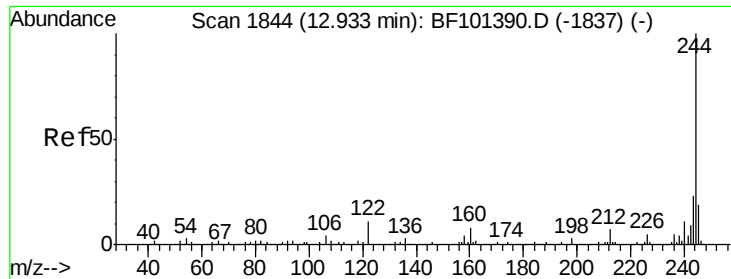


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 7.522 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

Instrument :

BNA_F

ClientSampleId :

OR-02-122117-B

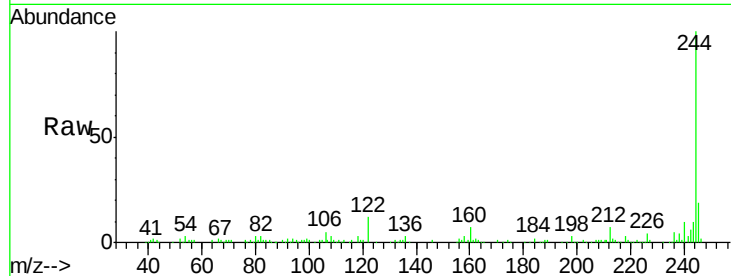
Tot Ion:244 Resp: 92353

Ion Ratio Lower Upper

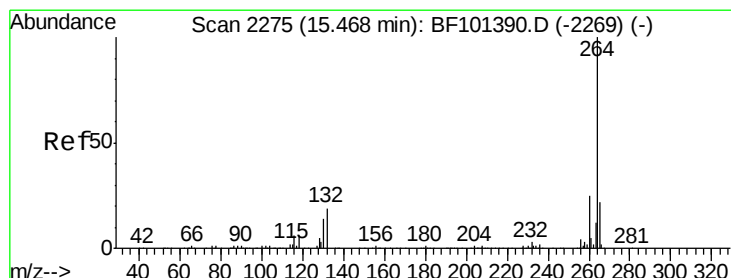
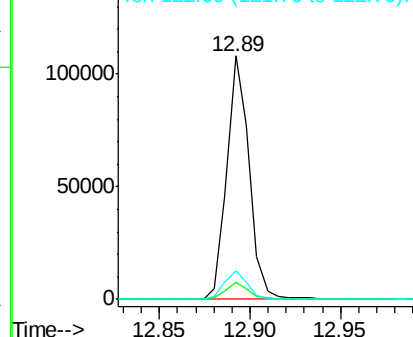
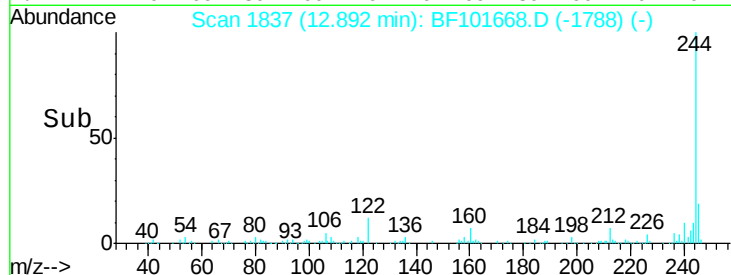
244 100

212 7.3 5.4 8.0

122 11.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF101668.D

Acq: 22 Dec 2017 21:56

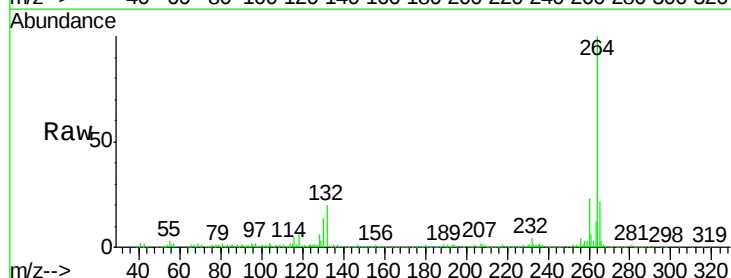
Tgt Ion:264 Resp: 288443

Ion Ratio Lower Upper

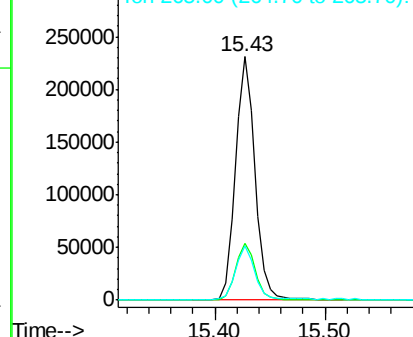
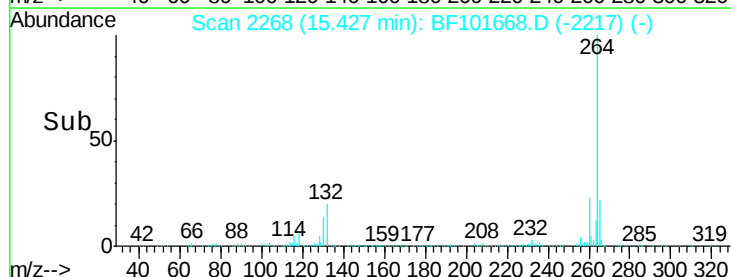
264 100

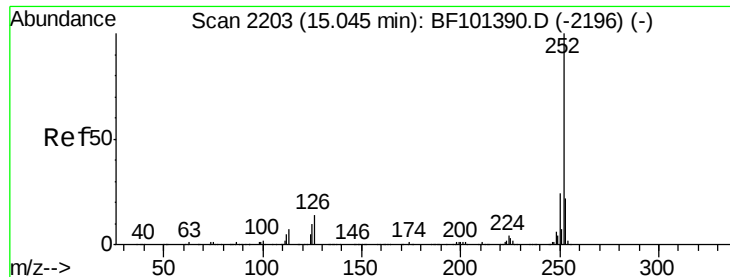
260 23.2 19.2 28.8

265 22.0 17.5 26.3



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

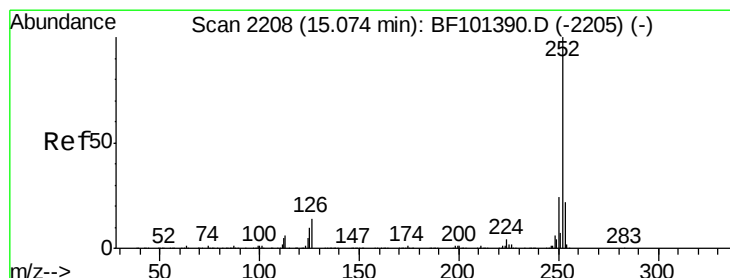
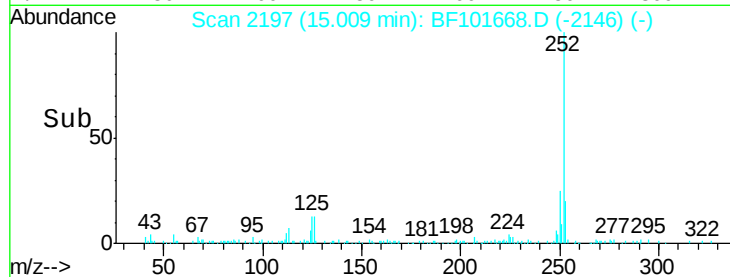
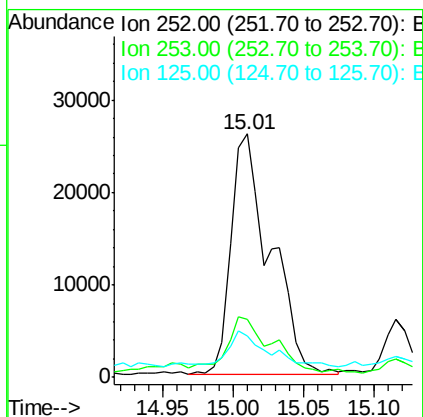
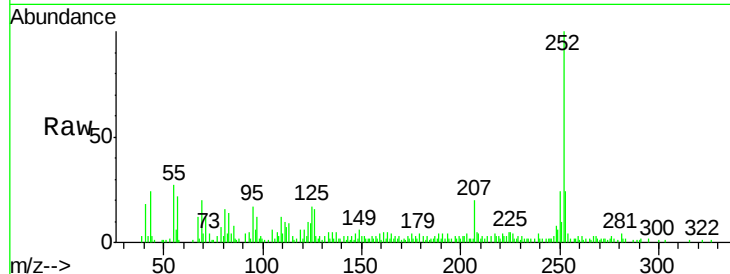




#87
Benzo(b)fluoranthene
Concen: 2.870 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Instrument :
BNA_F
ClientSampleId :
OR-02-122117-B

Tot Ion:252 Resp: 50451
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 17.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.951 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF101668.D
Acq: 22 Dec 2017 21:56

Tgt Ion:252 Resp: 50451
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 17.3 10.2 15.2#

