

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101836.D
 Acq On : 29 Dec 2017 18:26
 Operator : SJ/JU
 Sample : I7034-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 30 03:06:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

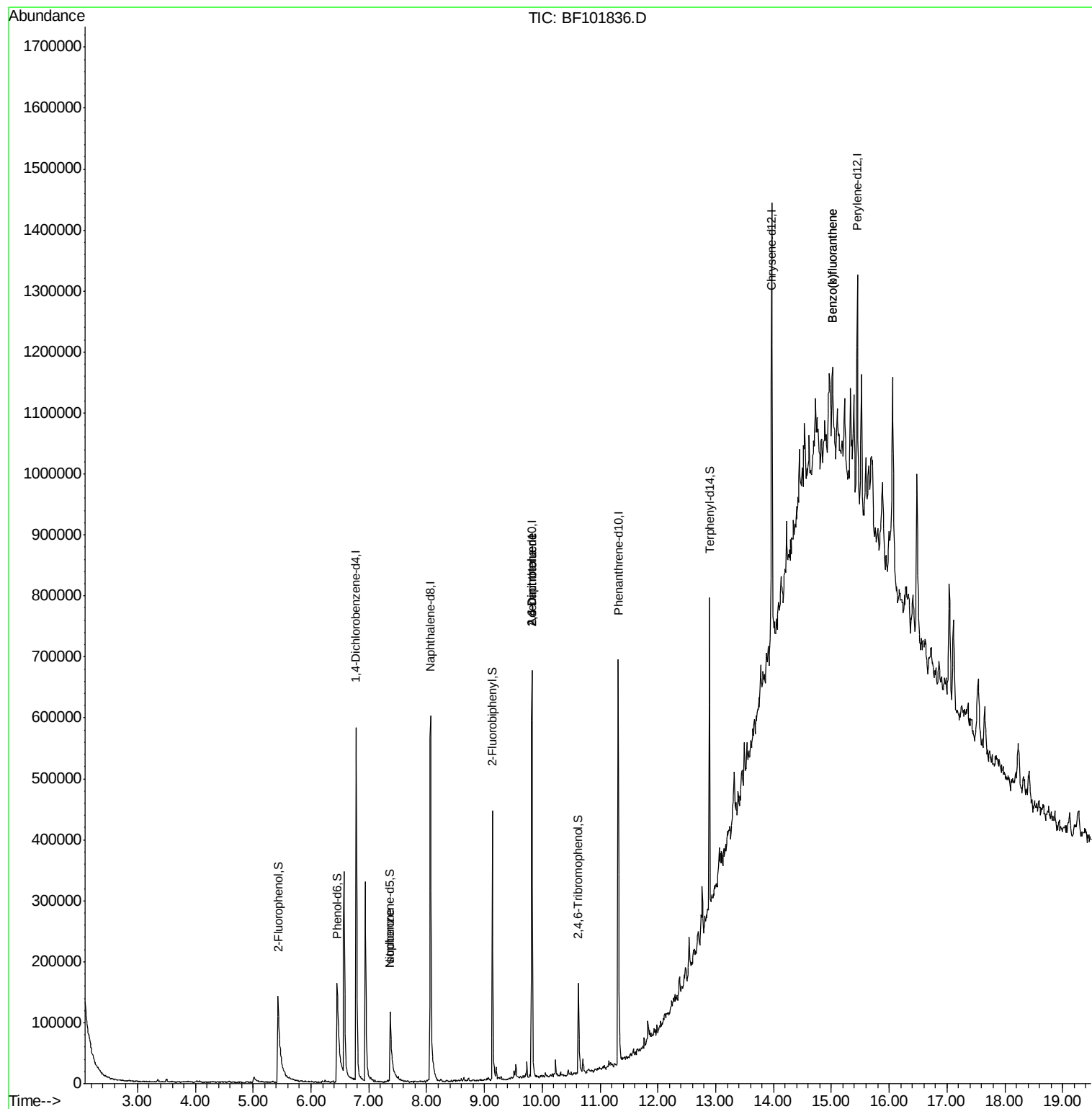
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	113521	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	391590	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	144862	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	273534	20.00	ng	0.00
75) Chrysene-d12	13.97	240	266808	20.00	ng	0.00
86) Perylene-d12	15.45	264	196297	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	136458	17.91	ng	0.02
7) Phenol-d6	6.45	99	169096	17.83	ng	0.02
23) Nitrobenzene-d5	7.37	82	98861	14.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	26260	18.81	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	167376	17.92	ng	0.00
78) Terphenyl-d14	12.89	244	173471	15.67	ng	0.00
Target Compounds						
25) Isophorone	7.37	82	98861	7.005	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	18718	7.904	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	18718	7.015	ng	# 23
87) Benzo(b)fluoranthene	15.02	252	29979	2.506	ng	# 32
88) Benzo(k)fluoranthene	15.02	252	29979	2.577	ng	# 36

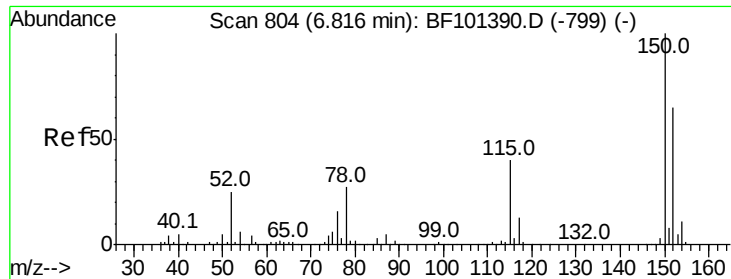
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



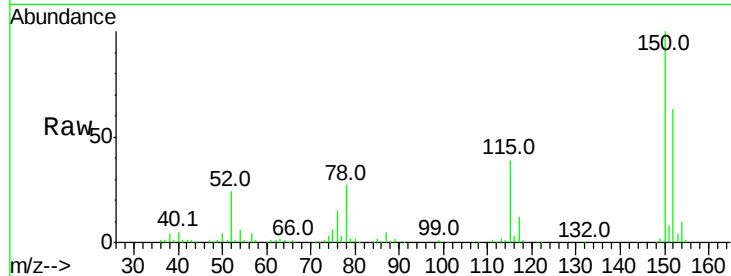


#1

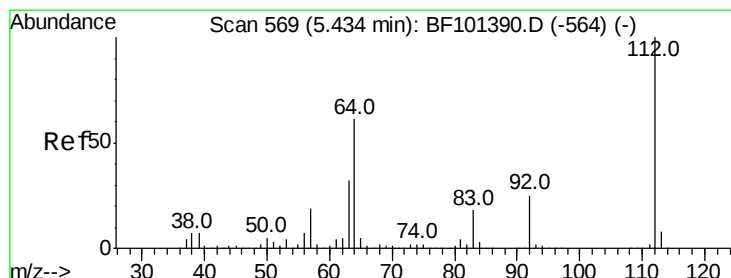
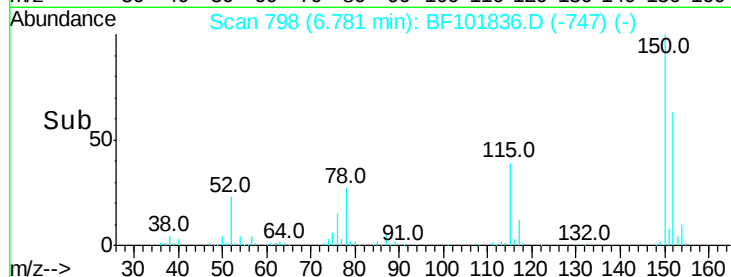
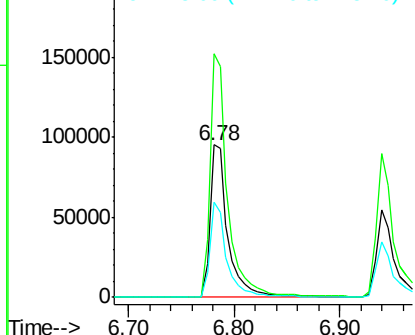
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF101836.D
Acq: 29 Dec 2017 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113521
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 62.0 50.1 75.1



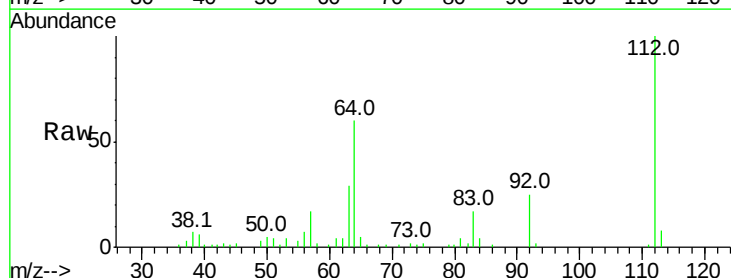
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



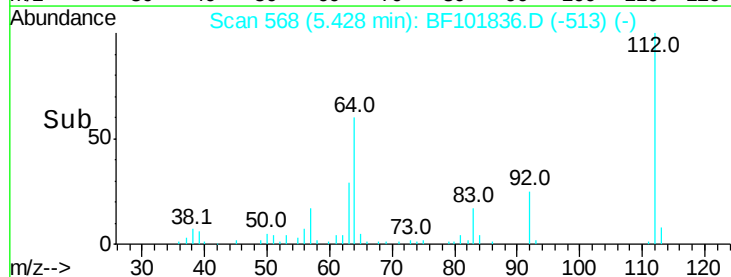
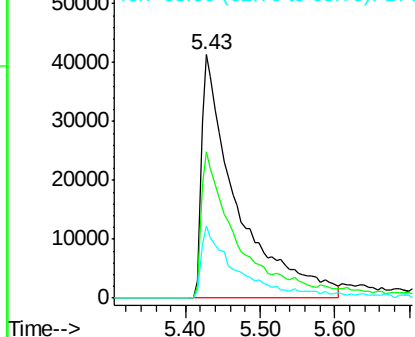
#5

2-Fluorophenol
Concen: 17.905 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101836.D
Acq: 29 Dec 2017 18:26

Tgt Ion:112 Resp: 136458
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 29.4 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: 17.828 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101836.D

Acq: 29 Dec 2017 18:26

Instrument :

BNA_F

ClientSampleId :

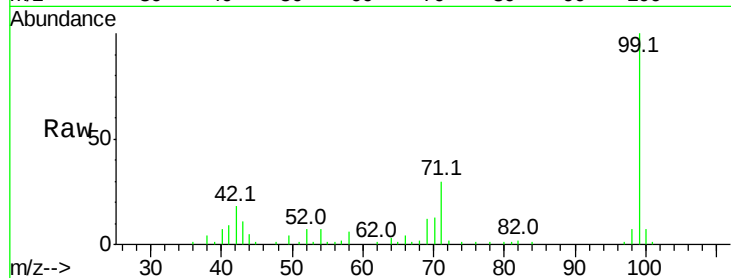
Tot Ion: 99 Resp: 169096

Ion Ratio Lower Upper

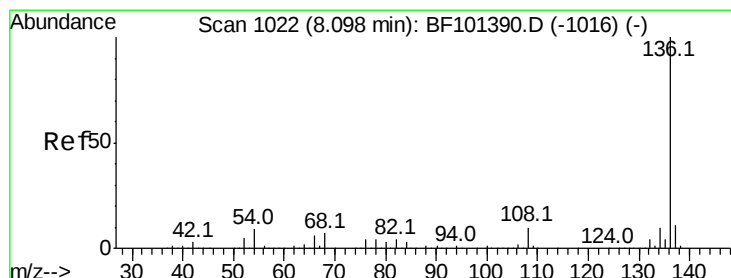
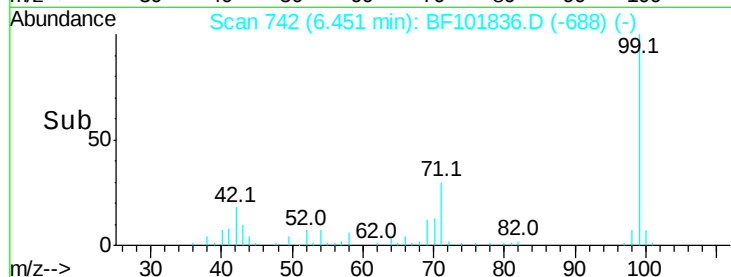
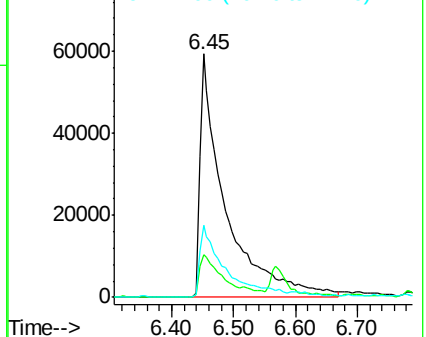
99 100

42 17.7 14.5 21.7

71 29.8 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: BF101836.D

Acq: 29 Dec 2017 18:26

Tgt Ion: 136 Resp: 391590

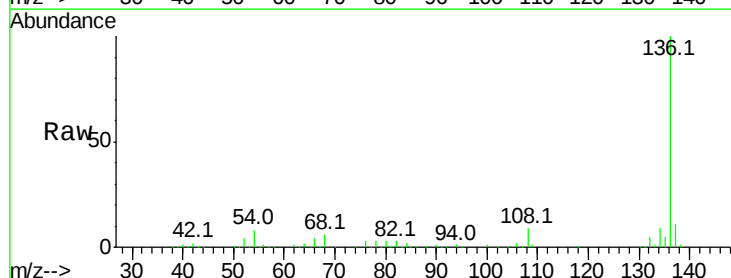
Ion Ratio Lower Upper

136 100

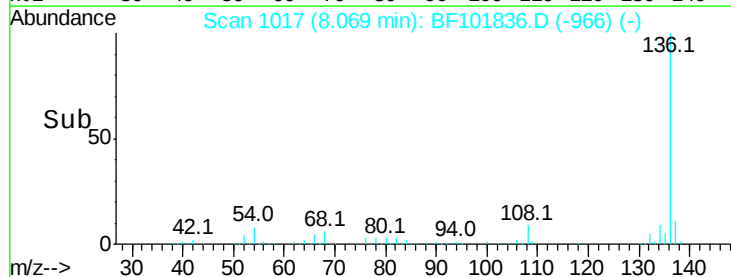
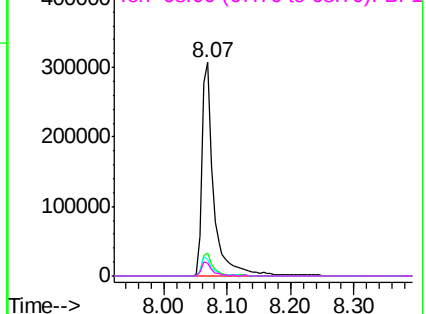
137 10.9 8.9 13.3

54 8.1 6.6 9.8

68 6.0 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

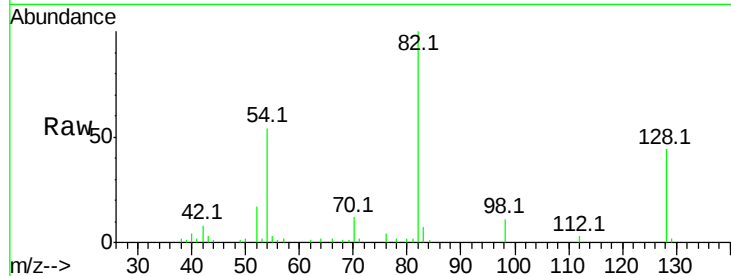




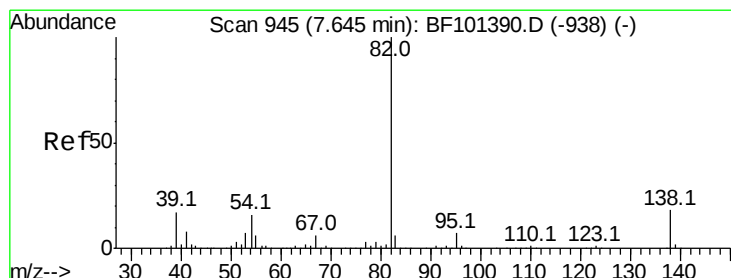
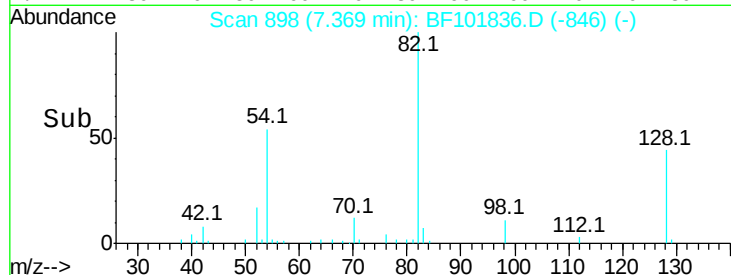
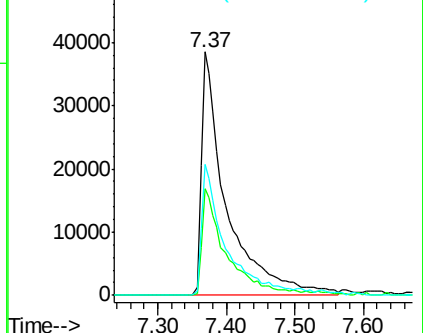
#23
Nitrobenzene-d5
Concen: 14.053 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101836.D
Acq: 29 Dec 2017 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 98861
Ion Ratio Lower Upper
82 100
128 44.0 36.1 54.1
54 54.0 41.4 62.2

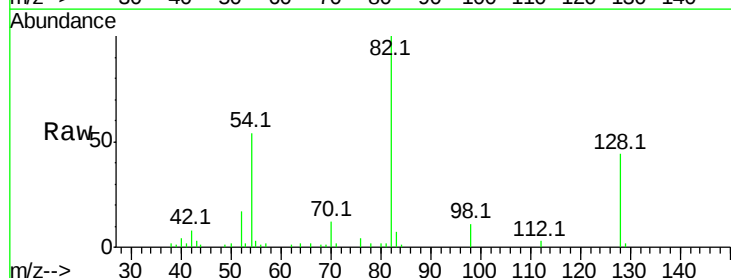


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

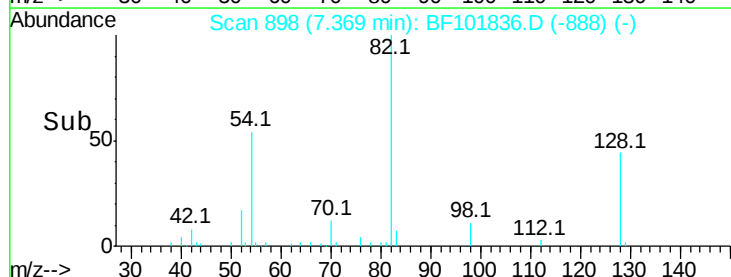
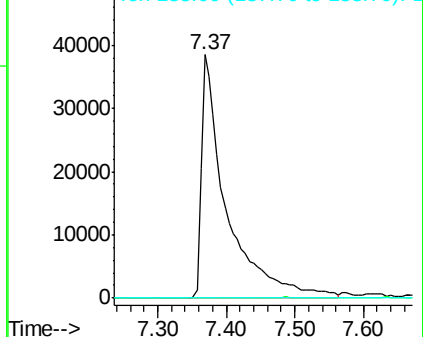


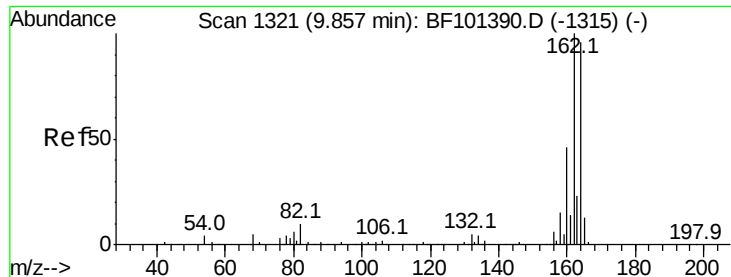
#25
Isophorone
Concen: 7.005 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.24 min
Lab File: BF101836.D
Acq: 29 Dec 2017 18:26

Tgt Ion: 82 Resp: 98861
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. 0.00 min

Lab File: BF101836.D

Acq: 29 Dec 2017 18:26

Instrument :

BNA_F

ClientSampleId :

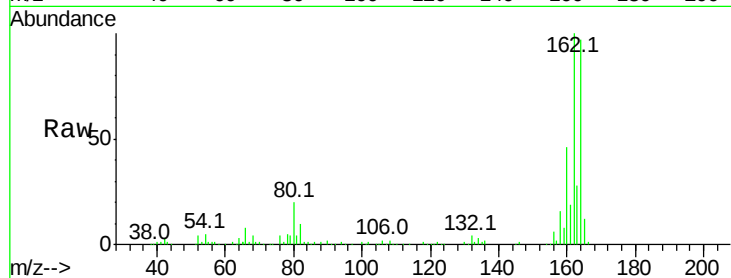
Tot Ion:164 Resp: 144862

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

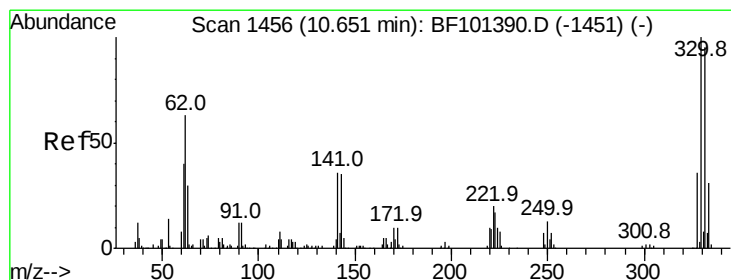
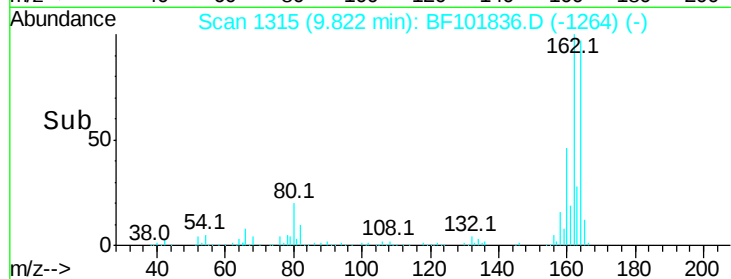
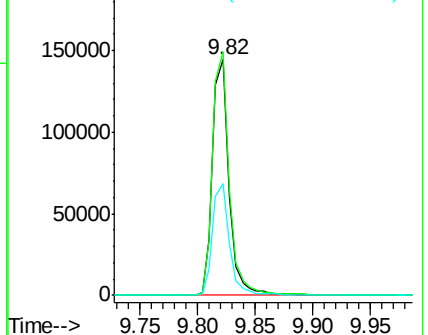
160 47.7 38.3 57.5



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: 18.813 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF101836.D

Acq: 29 Dec 2017 18:26

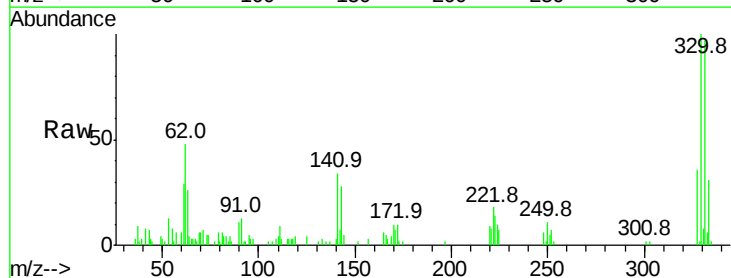
Tgt Ion:330 Resp: 26260

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

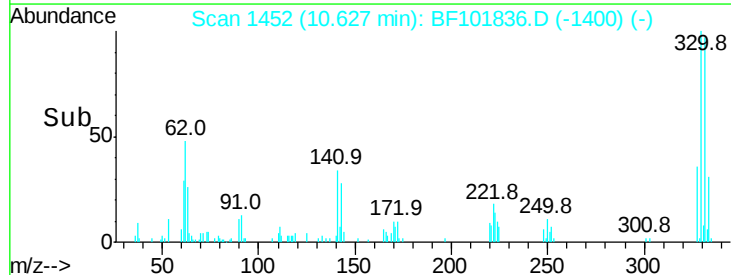
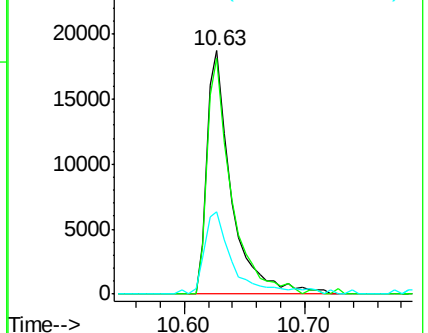
141 37.7 29.9 44.9



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

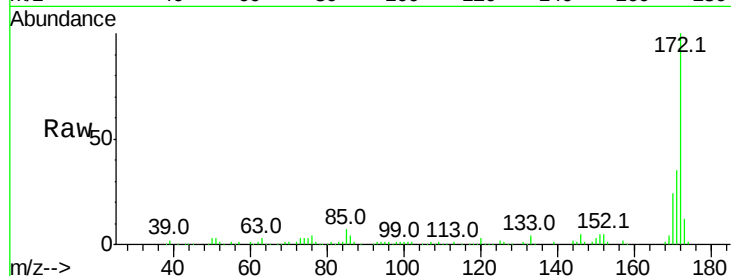




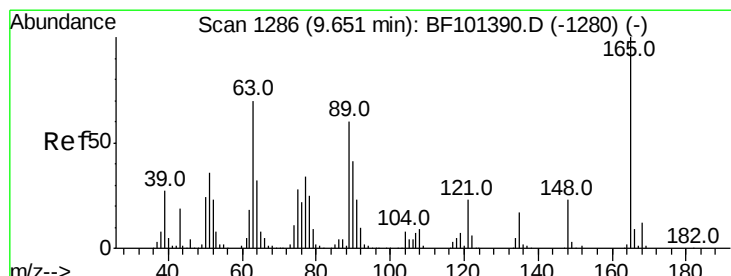
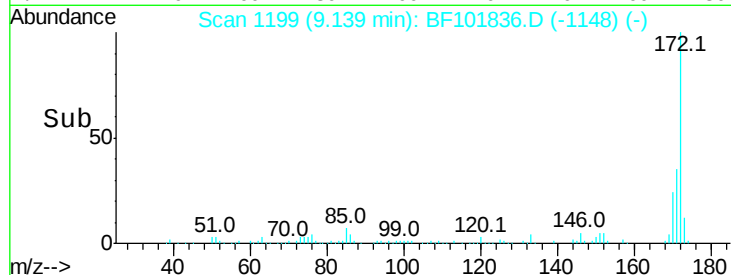
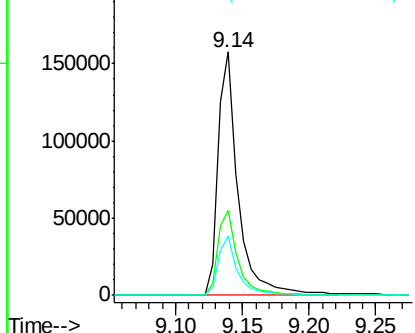
#44
 2-Fluorobiphenyl
 Concen: 17.923 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101836.D
 Acq: 29 Dec 2017 18:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 167376
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 24.1 19.6 29.4

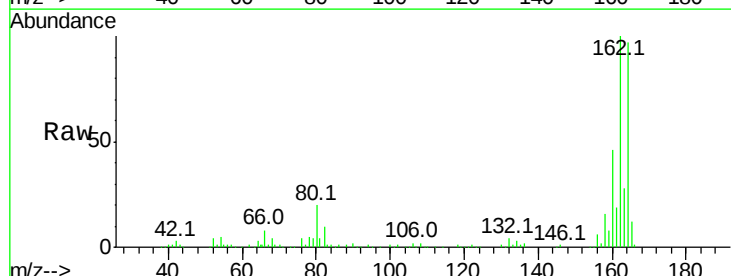


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

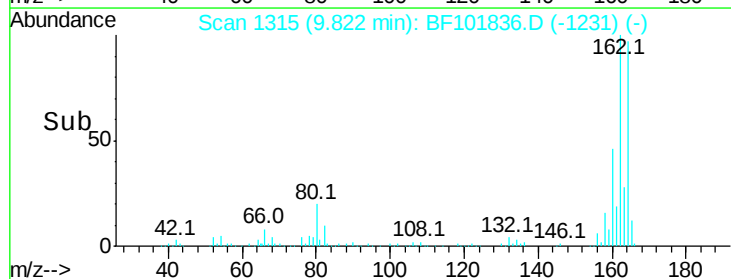
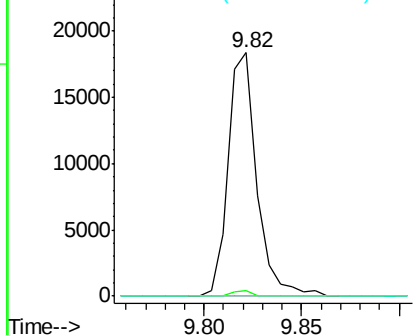


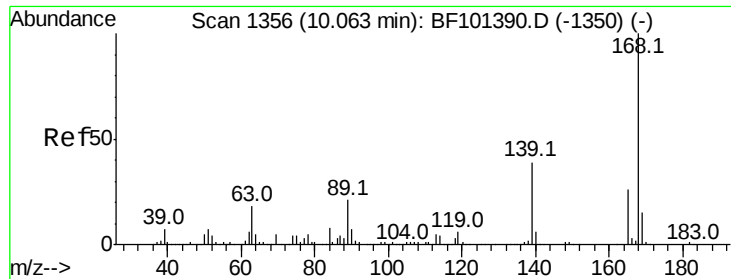
#50
 2,6-Dinitrotoluene
 Concen: 7.904 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101836.D
 Acq: 29 Dec 2017 18:26

Tgt Ion:165 Resp: 18718
 Ion Ratio Lower Upper
 165 100
 63 2.3 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

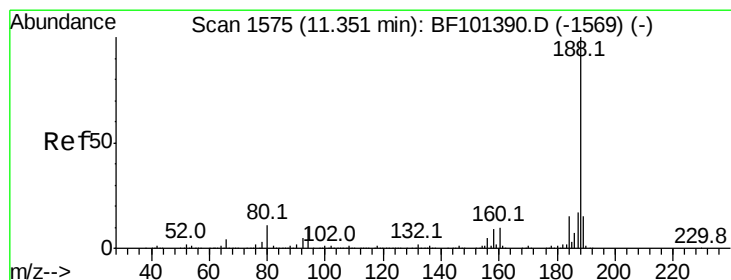
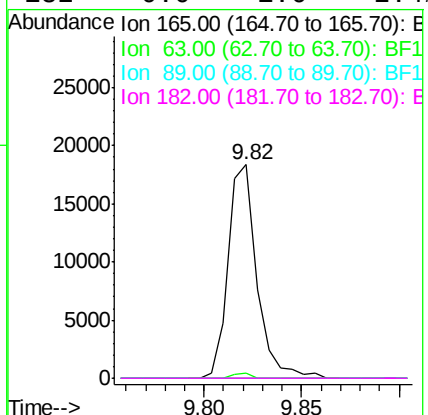
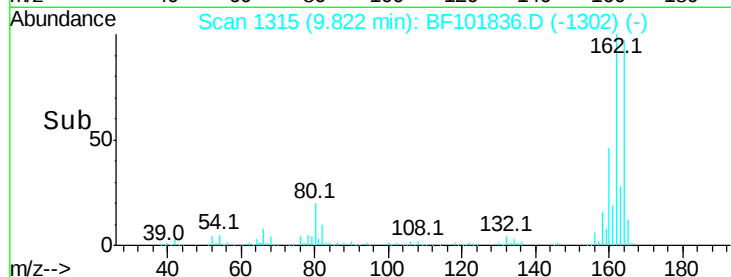
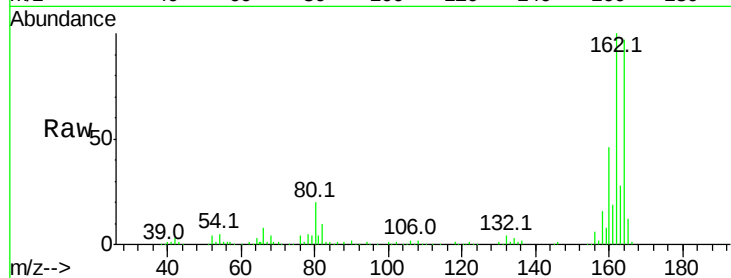




#56
 2,4-Dinitrotoluene
 Concen: 7.015 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101836.D
 Acq: 29 Dec 2017 18:26

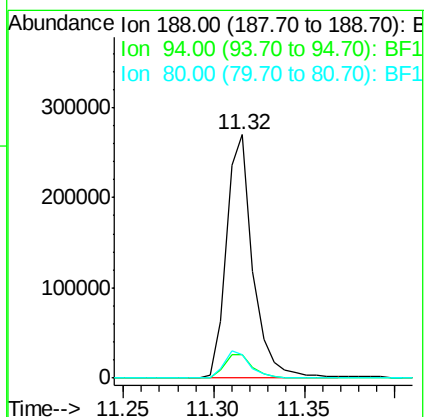
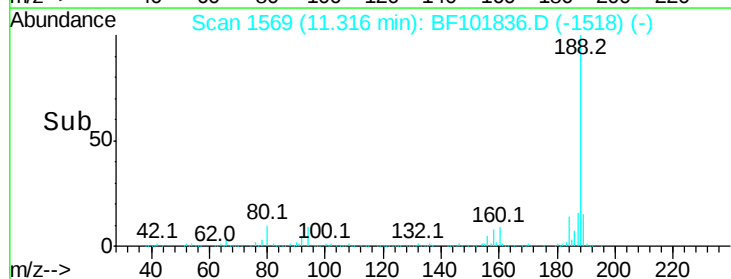
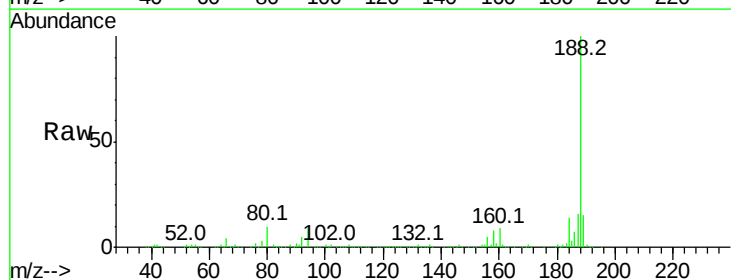
Instrument :
 BNA_F
 ClientSampleId :

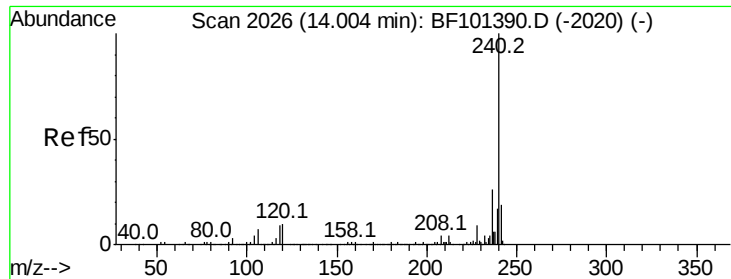
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101836.D
 Acq: 29 Dec 2017 18:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.7	9.2	13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101836.D

Acq: 29 Dec 2017 18:26

Instrument :

BNA_F

ClientSampleId :

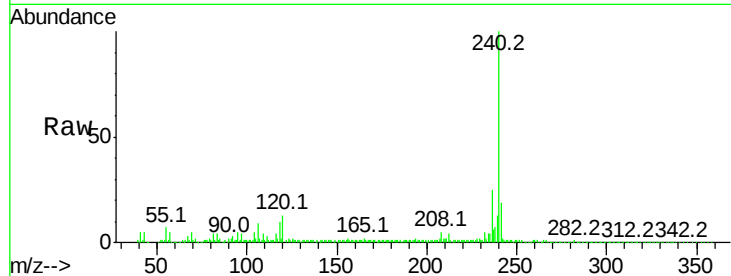
Tot Ion:240 Resp: 266808

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

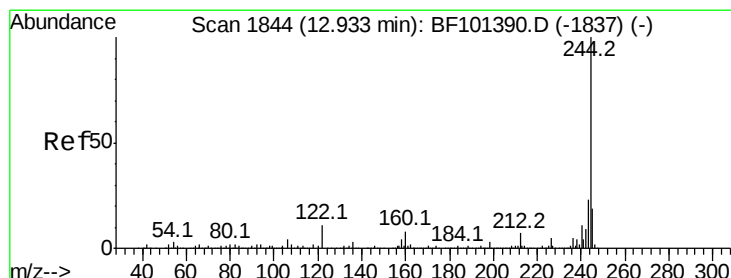
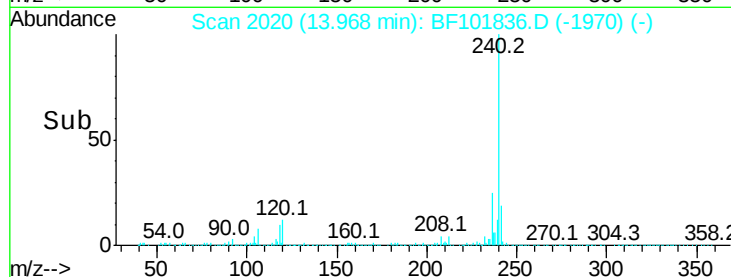
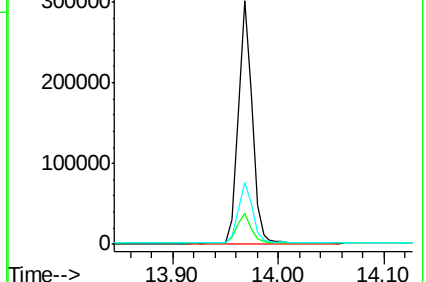
236 25.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 15.674 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101836.D

Acq: 29 Dec 2017 18:26

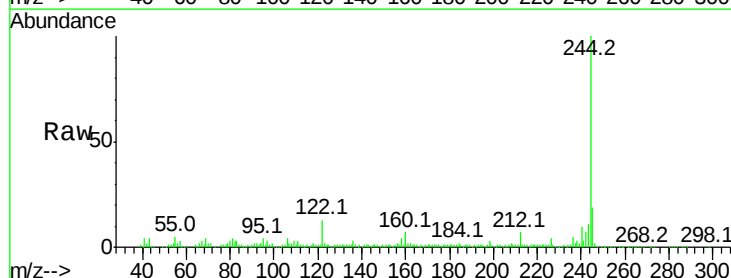
Tgt Ion:244 Resp: 173471

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

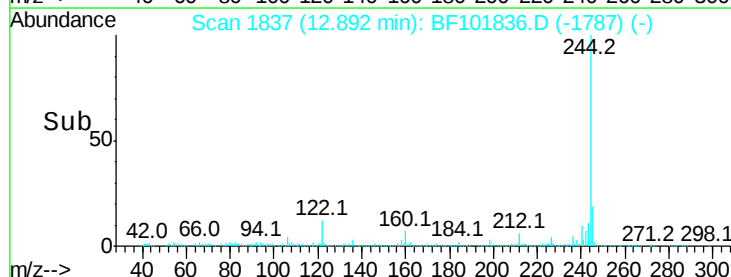
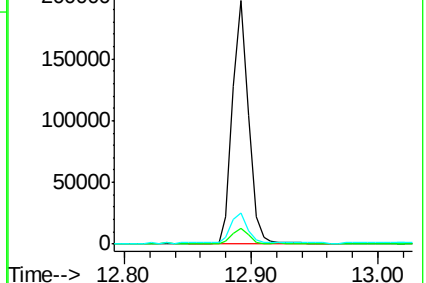
122 12.6 11.0 16.4

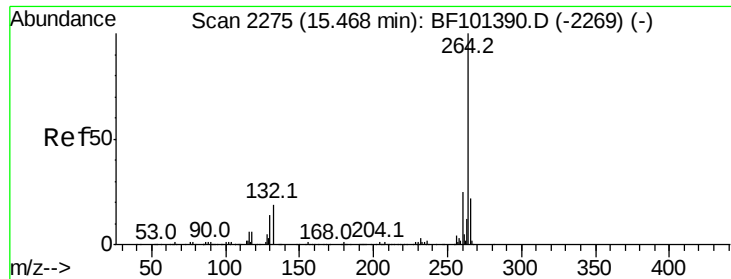


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

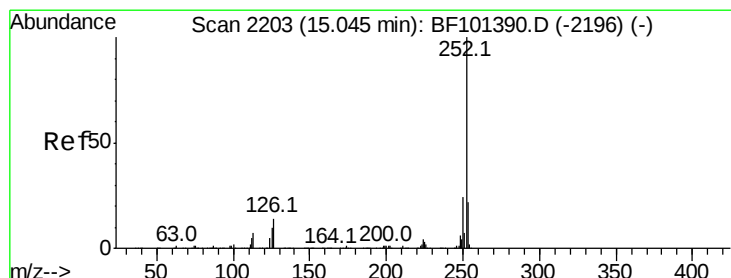
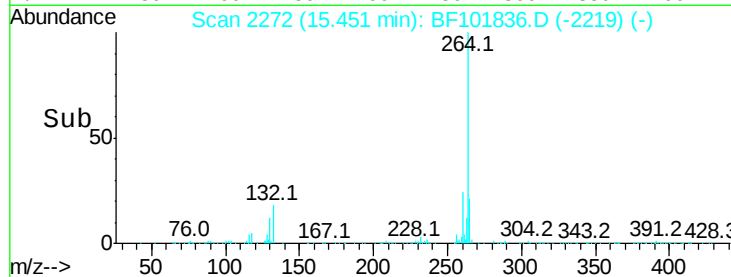
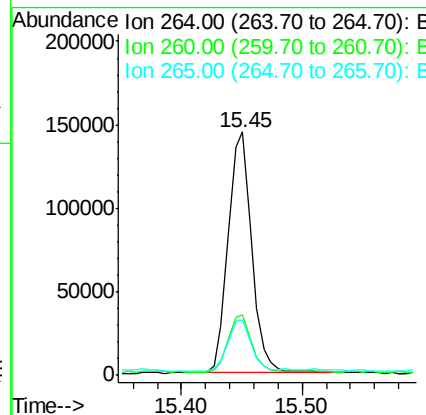
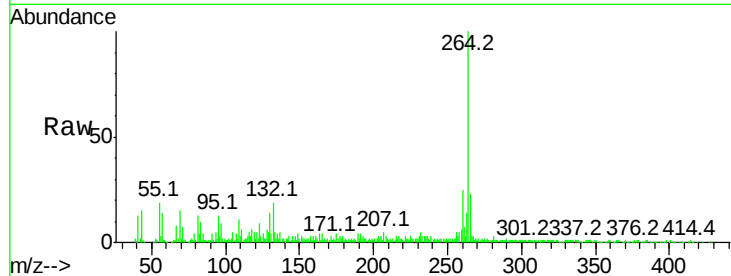




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF101836.D
Acq: 29 Dec 2017 18:26

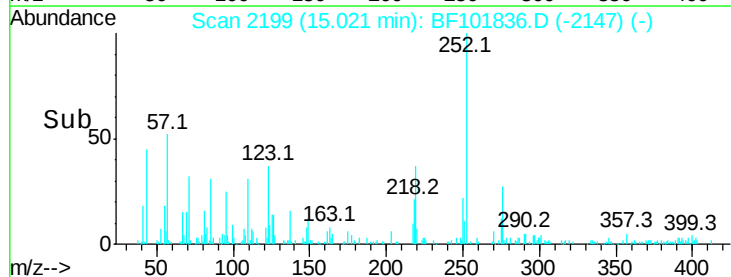
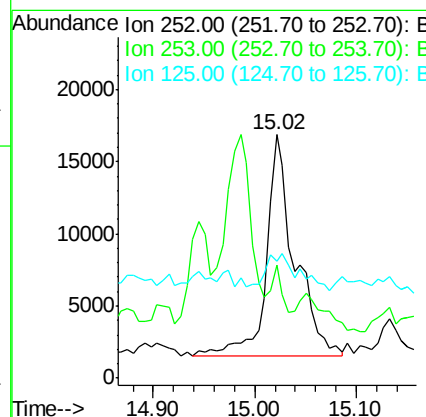
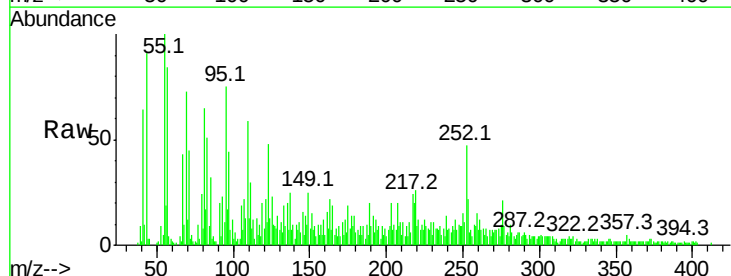
Instrument :
BNA_F
ClientSampleId :

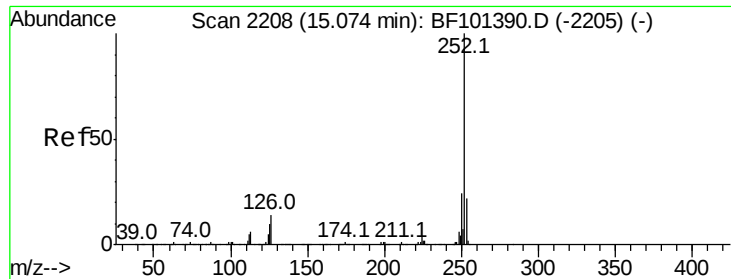
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.506 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF101836.D
Acq: 29 Dec 2017 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.2	17.0	25.6#
125	48.2	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.577 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

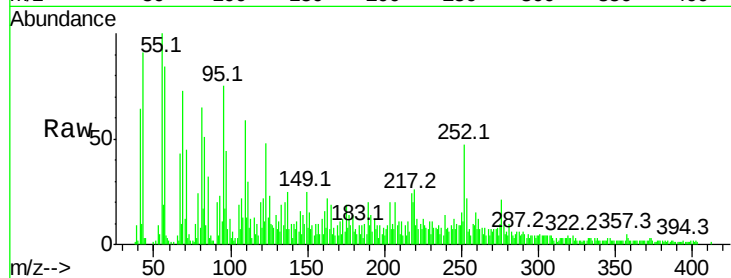
Lab File: BF101836.D

Acq: 29 Dec 2017 18:26

Instrument :

BNA_F

ClientSampleId :



Tot Ion:252 Resp: 29979

Ion Ratio Lower Upper

252 100

253 46.2 17.9 26.9#

125 48.2 10.2 15.2#

