

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101613.D
 Acq On : 21 Dec 2017 18:06
 Operator : SJ/JU
 Sample : I6890-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 00:51:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	103027	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	369248	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	135694	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	243696	20.00	ng	0.00
75) Chrysene-d12	13.97	240	283922	20.00	ng	0.00
86) Perylene-d12	15.44	264	229903	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	169752	24.54	ng	0.01
7) Phenol-d6	6.45	99	201965	23.46	ng	0.00
23) Nitrobenzene-d5	7.37	82	106309	16.03	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	26158	20.01	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	148667	17.00	ng	0.00
78) Terphenyl-d14	12.90	244	131456	11.16	ng	0.00

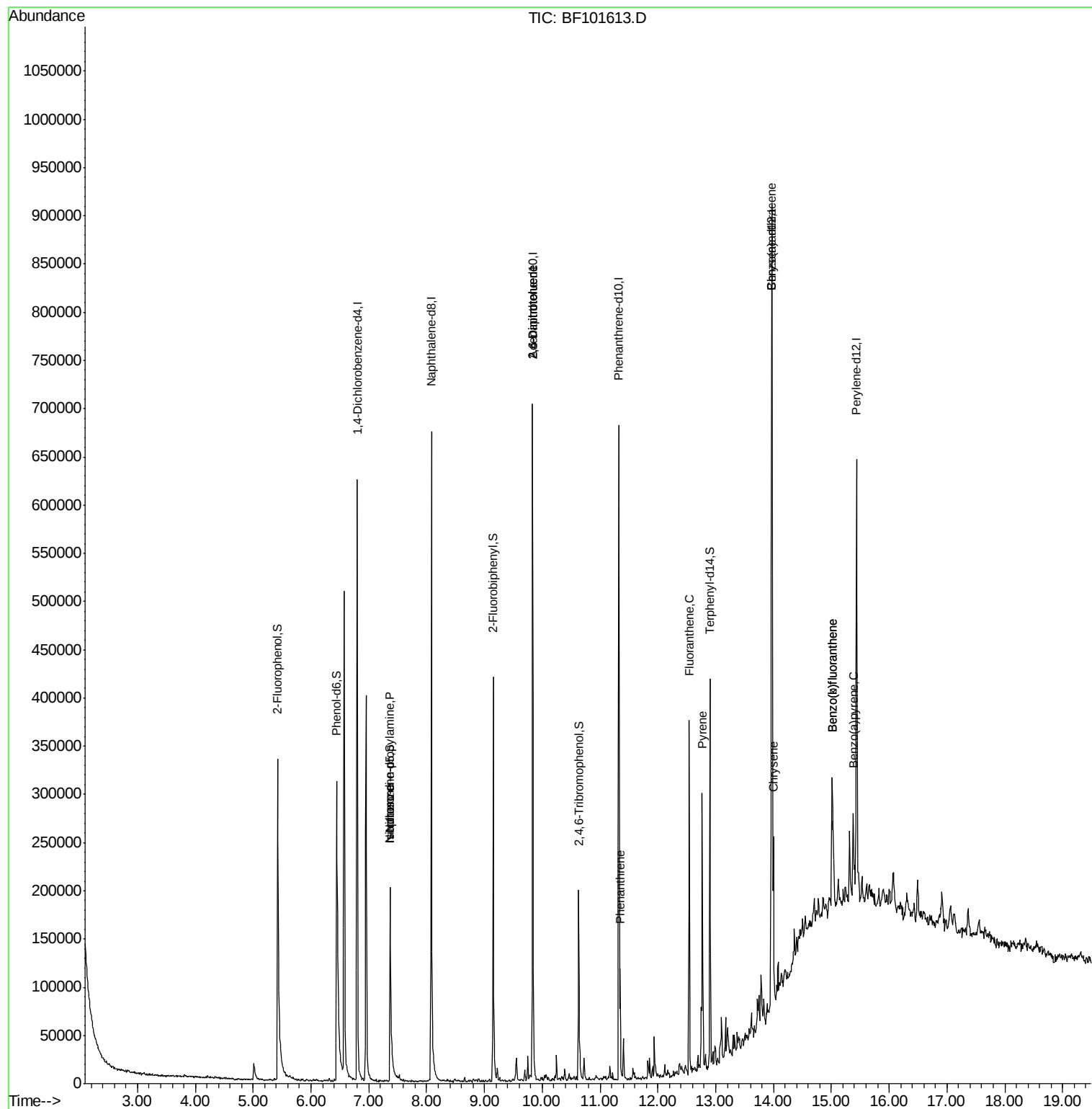
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	14300	2.530	ng	# 84
25) Isophorone	7.37	82	106309	7.989	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	17522	7.899	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	17522	7.011	ng	# 24
70) Phenanthrene	11.35	178	40991	3.025	ng	99
74) Fluoranthene	12.54	202	143751	10.105	ng	96
77) Pyrene	12.77	202	127060	5.963	ng	99
80) Benzo(a)anthracene	13.96	228	66405	3.542	ng	98
82) Chrysene	14.00	228	61648	3.483	ng	97
87) Benzo(b)fluoranthene	15.02	252	97689	6.971	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	97689	7.170	ng	95
89) Benzo(a)pyrene	15.38	252	44710	3.461	ng	# 94

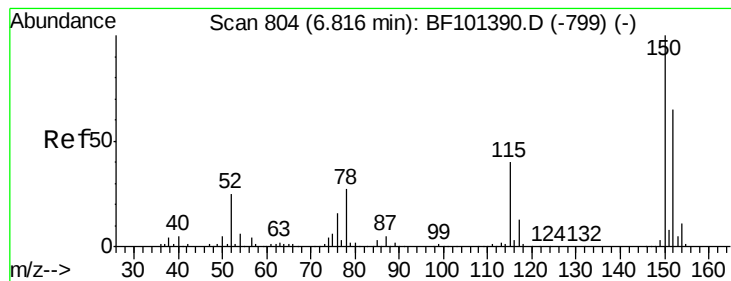
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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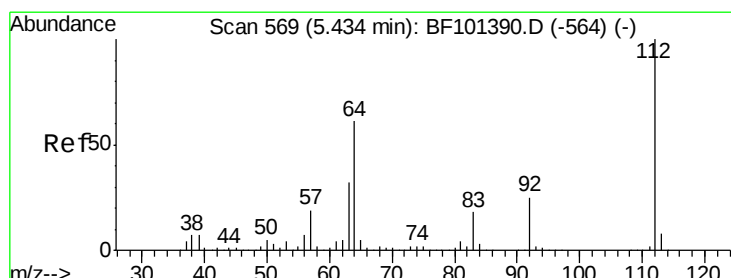
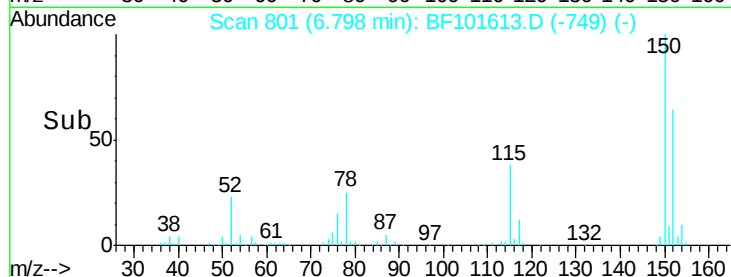
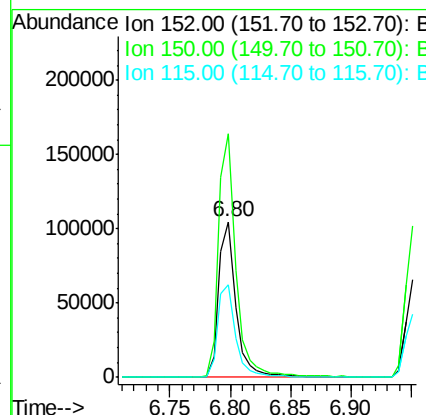
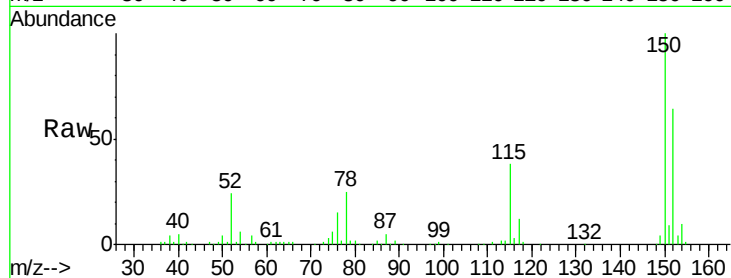


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampled :

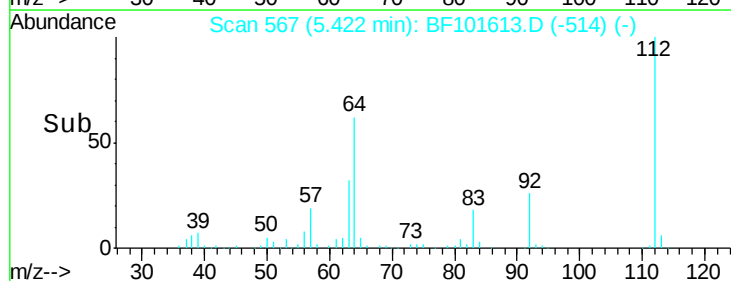
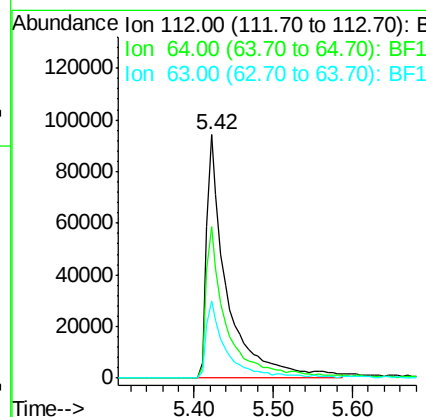
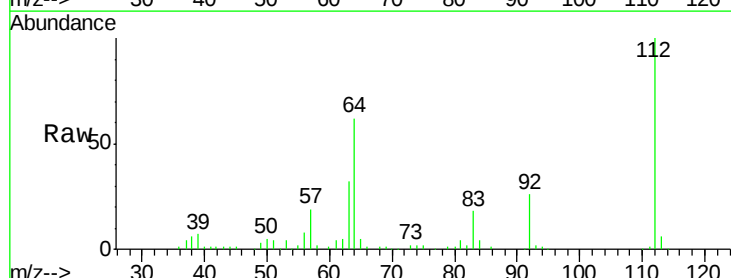
Tot Ion:152 Resp: 103027
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 59.4 50.1 75.1

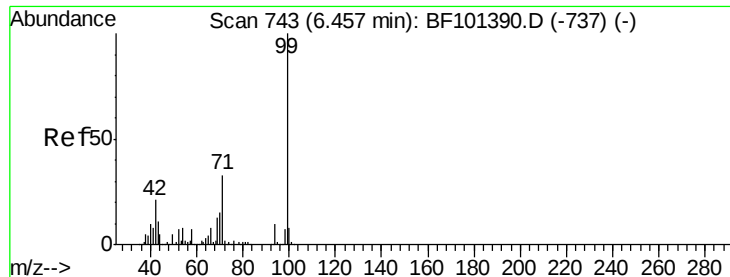


#5

2-Fluorophenol
Concen: 24.543 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion:112 Resp: 169752
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 32.0 23.7 35.5





#7

Phenol-d6

Concen: 23.463 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Instrument :

BNA_F

ClientSampled :

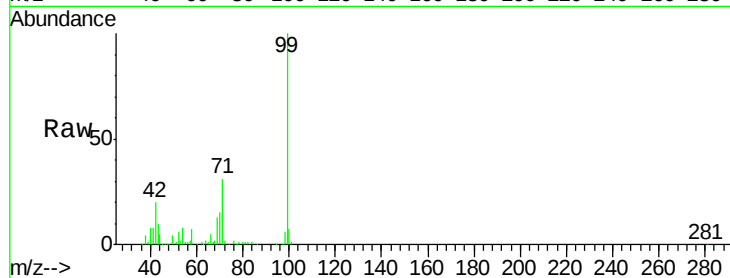
Tot Ion: 99 Resp: 201965

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 31.3 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

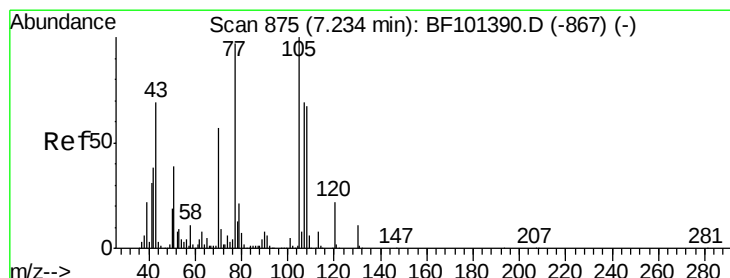
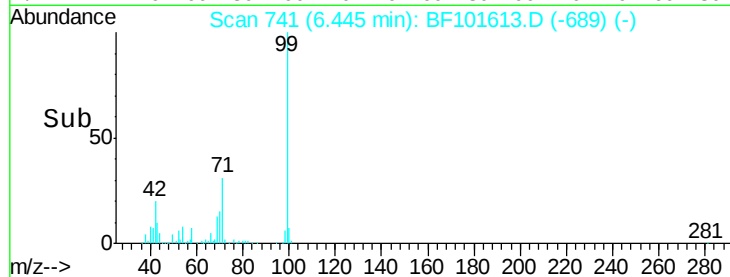
6.45

100000

50000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 2.530 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Tgt Ion: 70 Resp: 14300

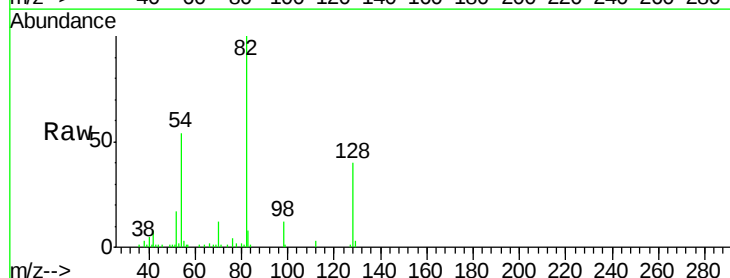
Ion Ratio Lower Upper

70 100

42 62.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

7.37

12000

10000

8000

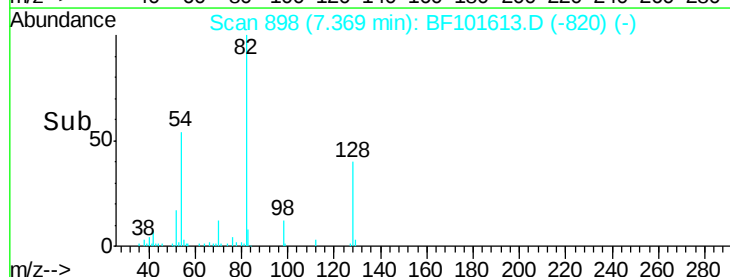
6000

4000

2000

0

Time-->

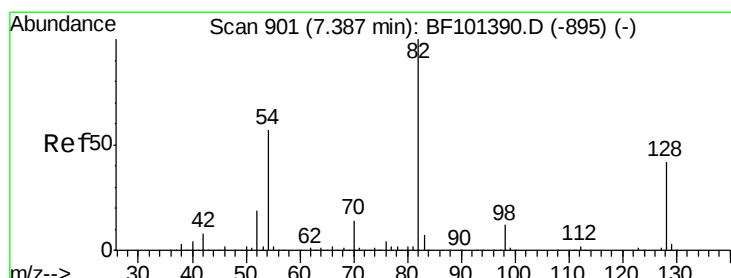
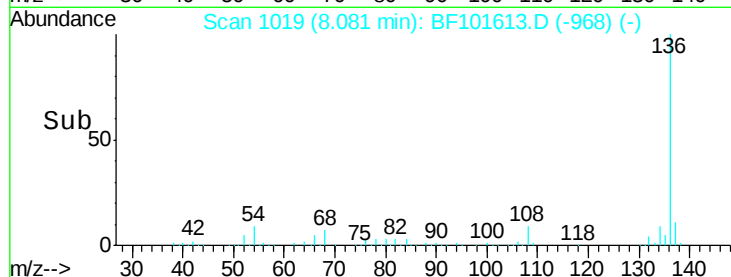
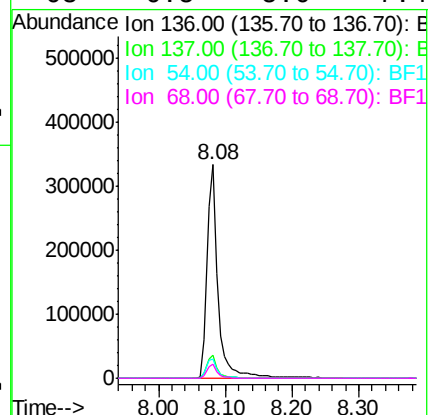
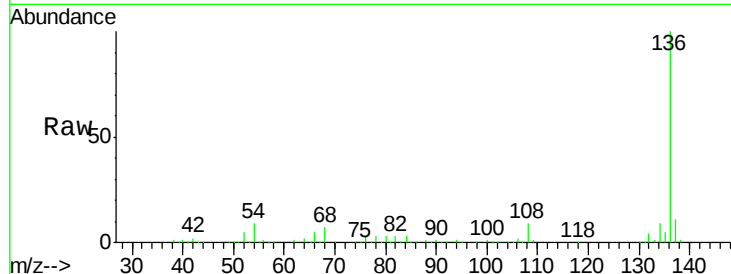




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

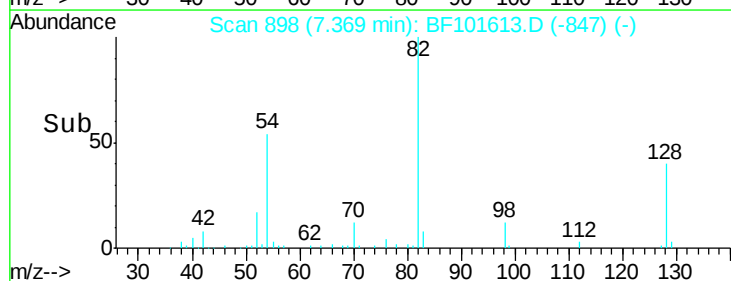
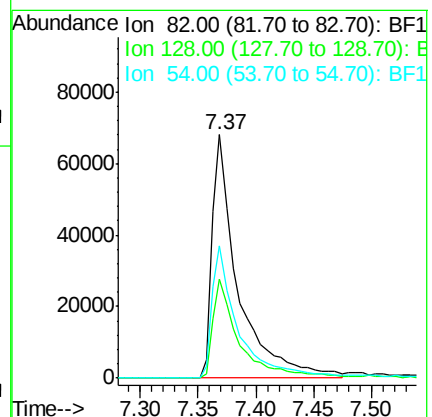
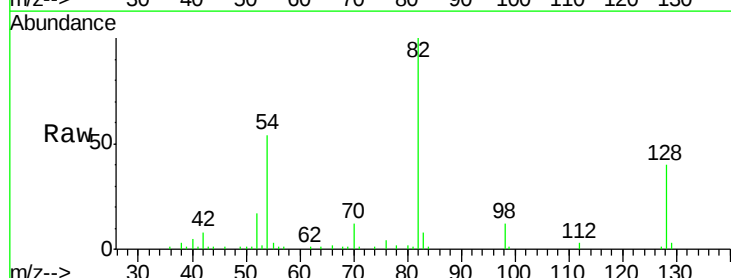
Instrument :
BNA_F
ClientSampleId :

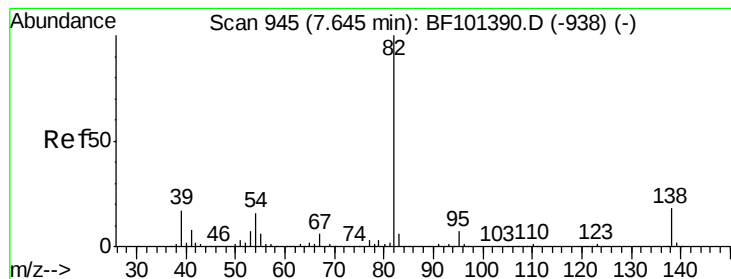
Tot Ion:136	Resp:	369248
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.1	6.6 9.8
68	6.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 16.027 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion: 82	Resp:	106309
Ion Ratio	Lower	Upper
82	100	
128	40.4	36.1 54.1
54	54.5	41.4 62.2





#25

Isophorone

Concen: 7.989 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.25 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

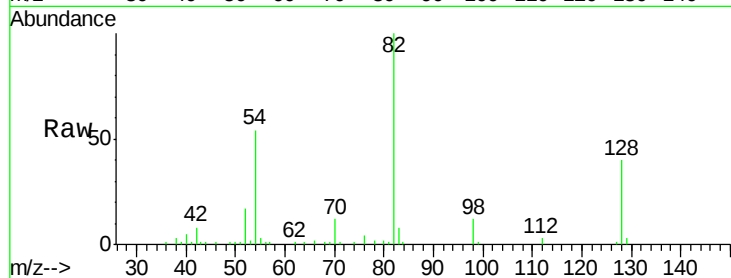
Tot Ion: 82 Resp: 106309

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

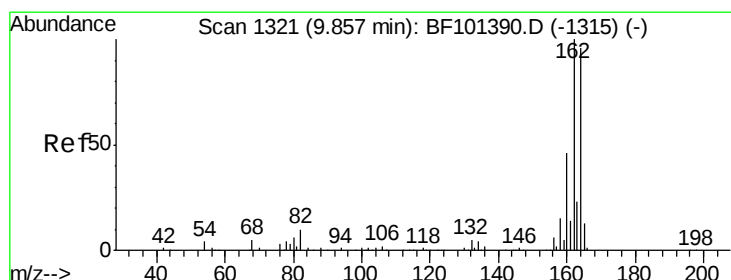
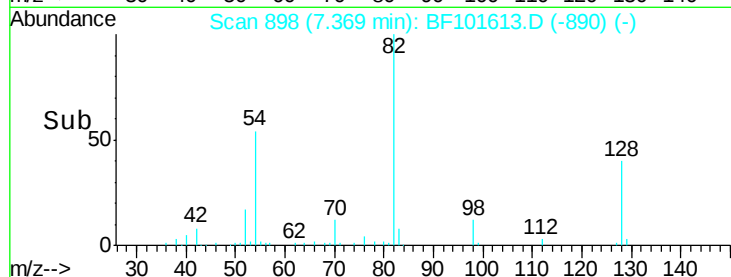
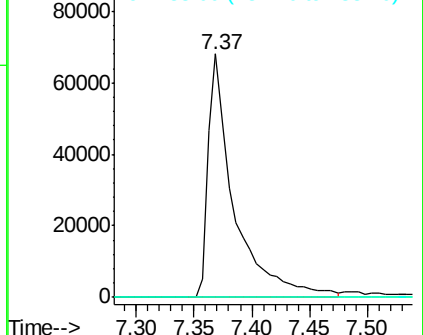
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

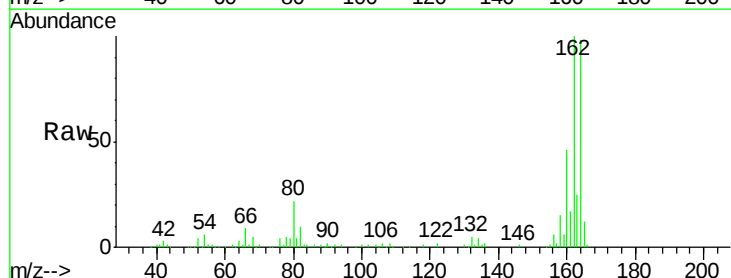
Tgt Ion: 164 Resp: 135694

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

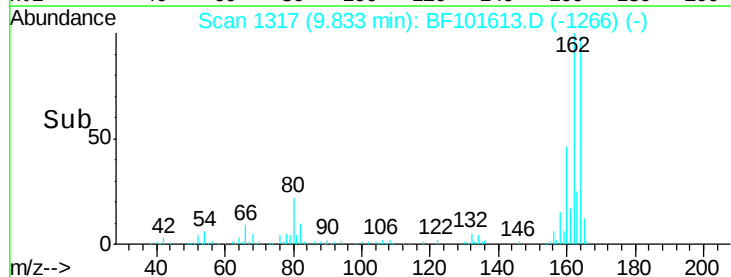
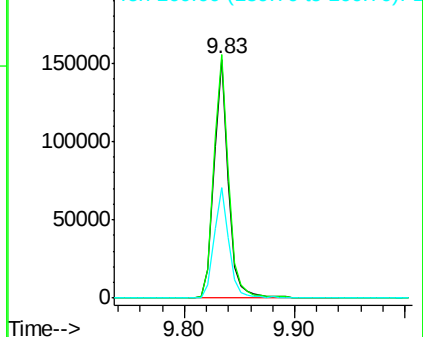
160 46.5 38.3 57.5

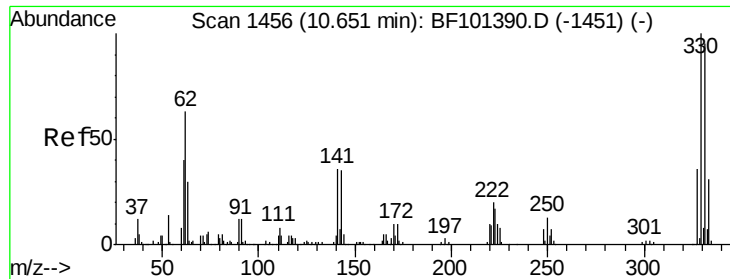


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

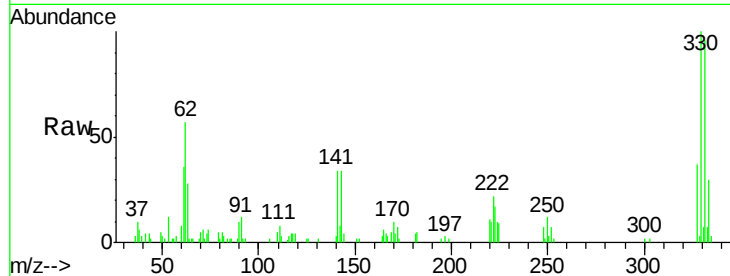




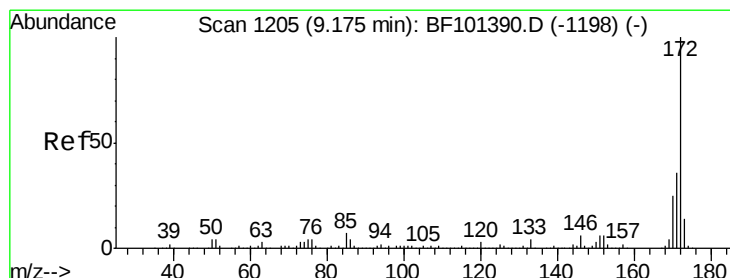
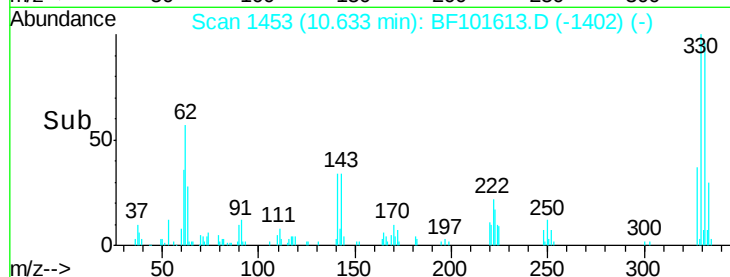
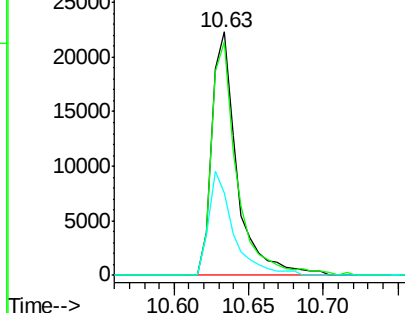
#41
 2,4,6-Tribromophenol
 Concen: 20.006 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF101613.D
 Acq: 21 Dec 2017 18:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 26158
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 41.7 29.9 44.9

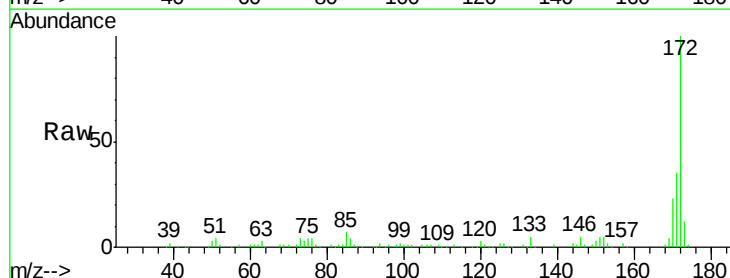


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

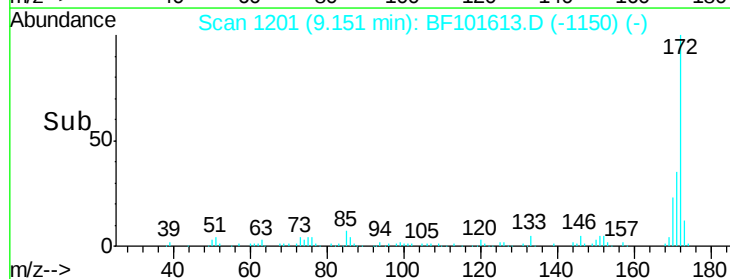
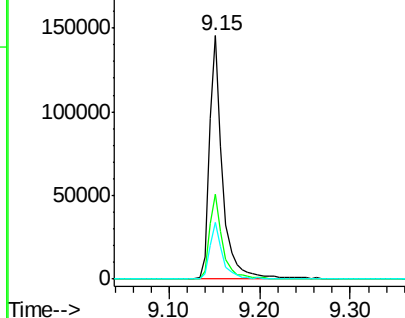


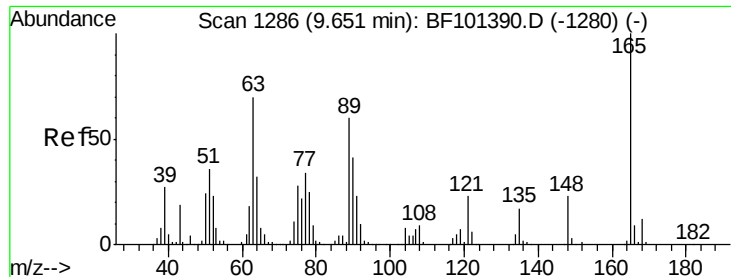
#44
 2-Fluorobiphenyl
 Concen: 16.995 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF101613.D
 Acq: 21 Dec 2017 18:06

Tgt Ion:172 Resp: 148667
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.3 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

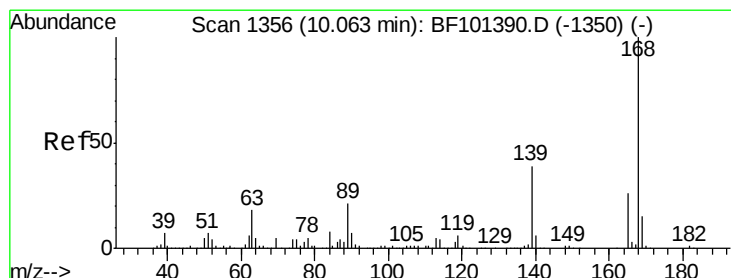
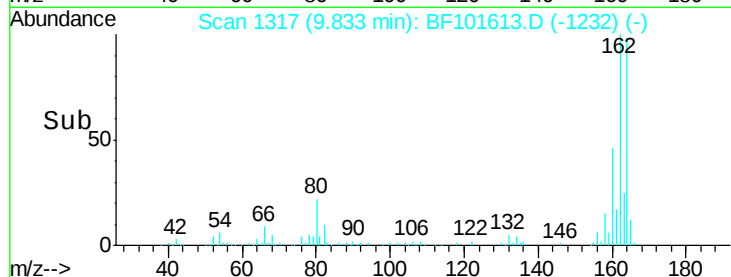
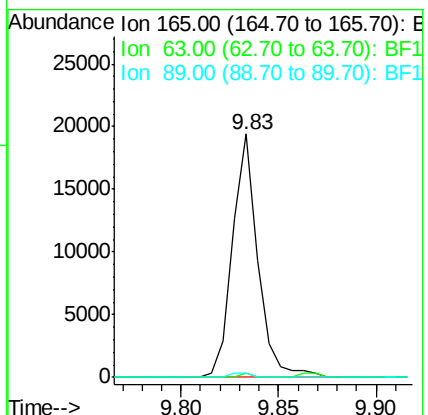
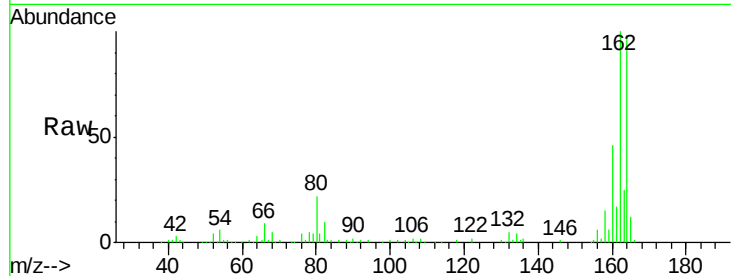




#50
 2,6-Dinitrotoluene
 Concen: 7.899 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF101613.D
 Acq: 21 Dec 2017 18:06

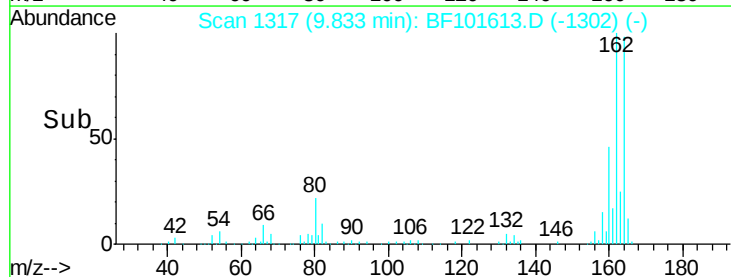
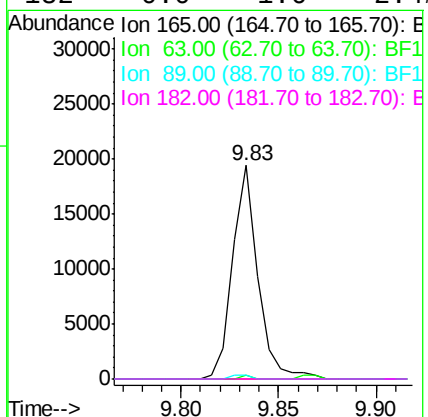
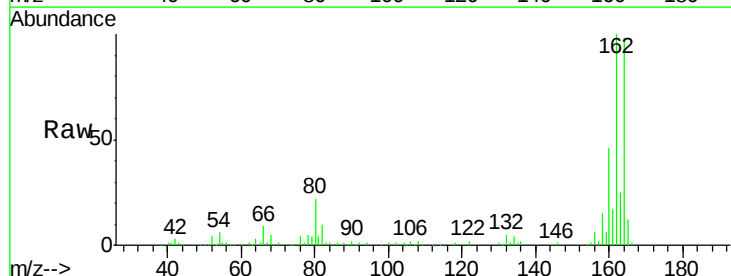
Instrument :
 BNA_F
 ClientSampled :

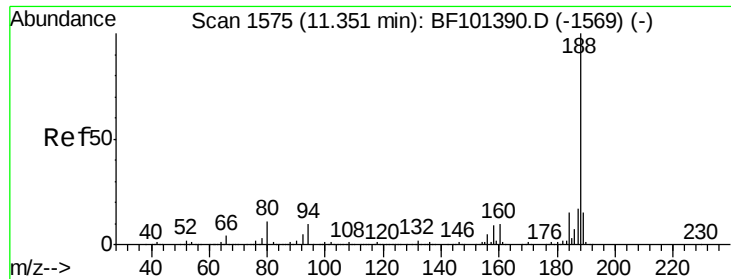
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.011 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF101613.D
 Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

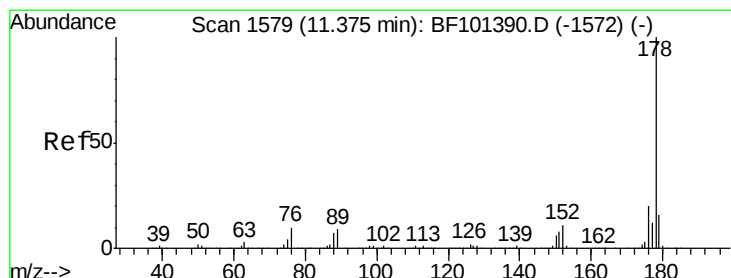
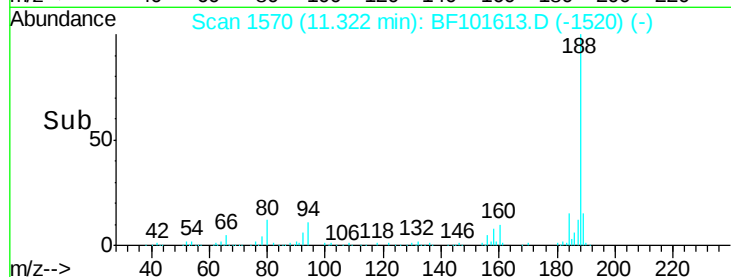
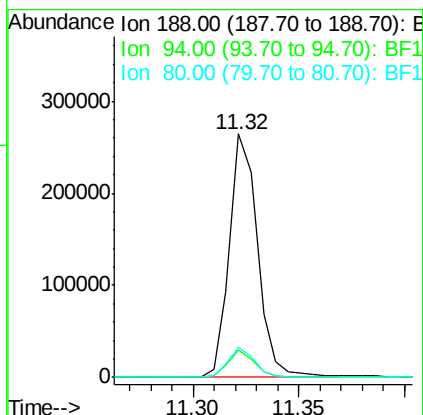
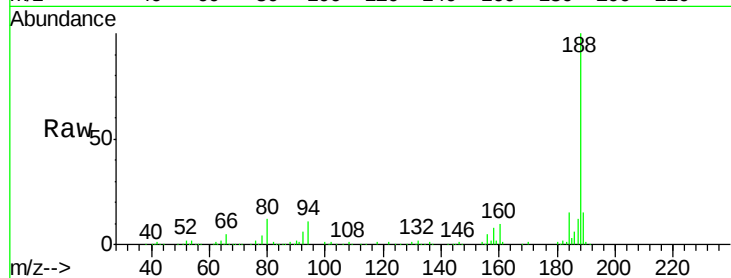




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

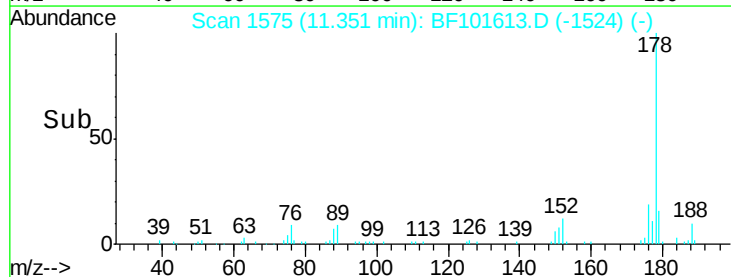
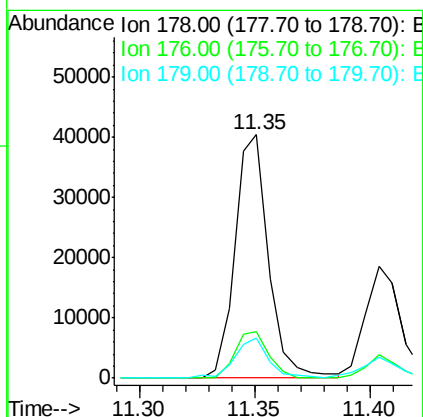
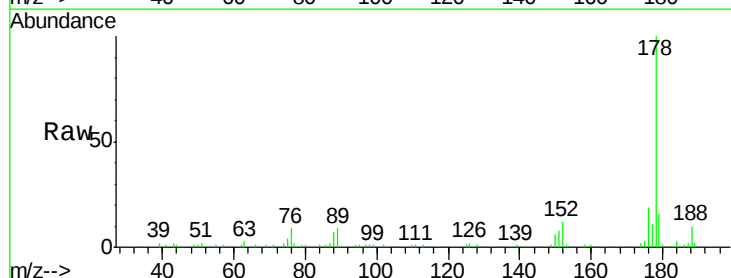
Instrument :
BNA_F
ClientSampleId :

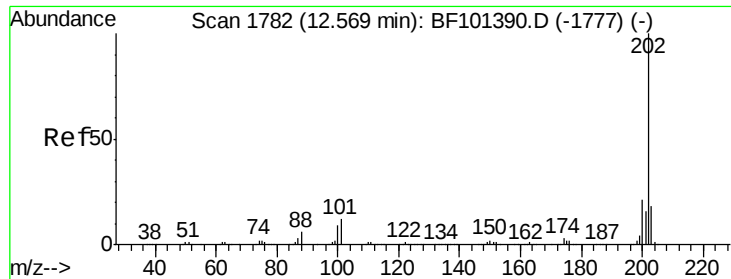
Tot Ion:188 Resp: 243696
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.0 9.2 13.8



#70
Phenanthrene
Concen: 3.025 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion:178 Resp: 40991
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.3 13.0 19.6

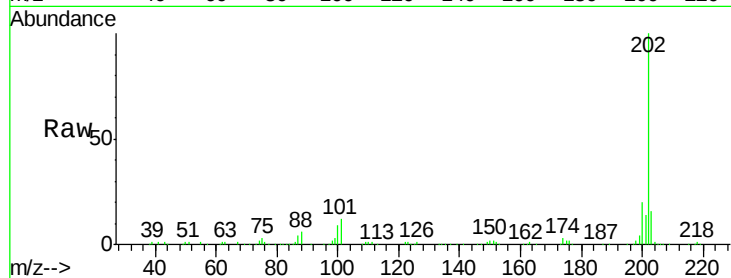




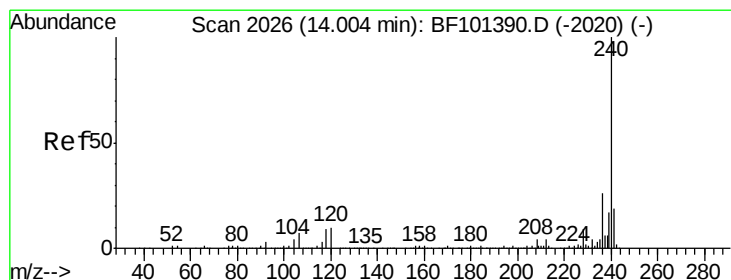
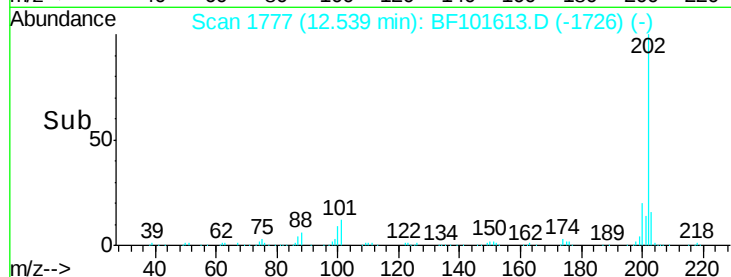
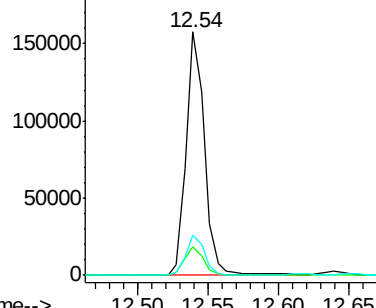
#74
Fluoranthene
Concen: 10.105 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	16.4	0.0	38.1

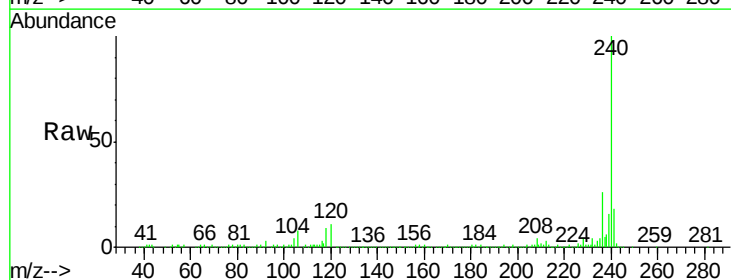


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

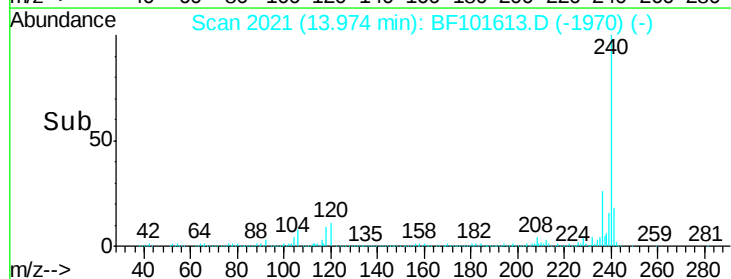
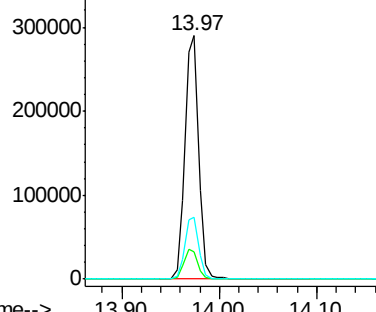


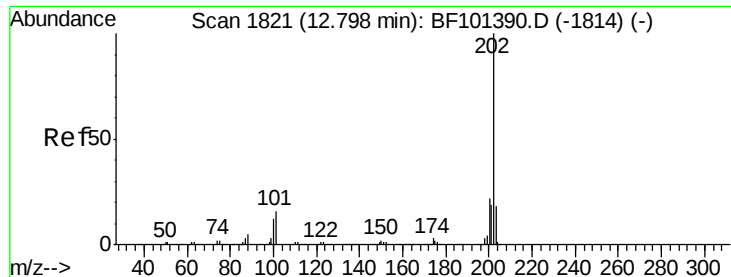
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.5	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

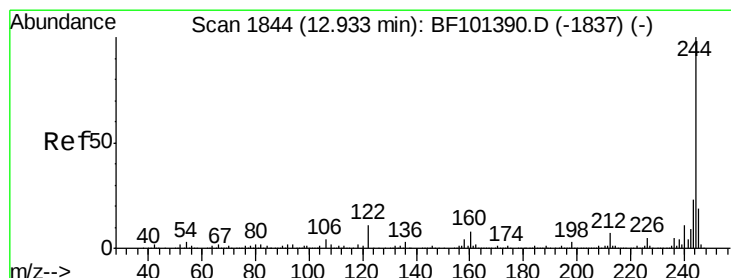
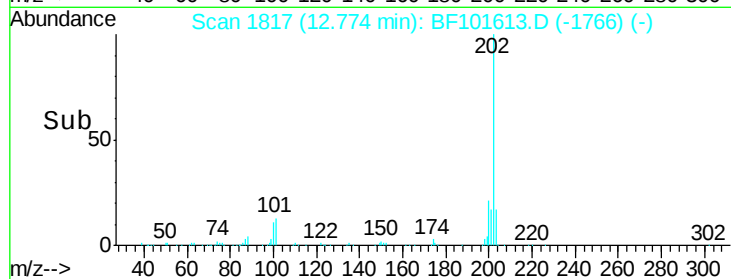
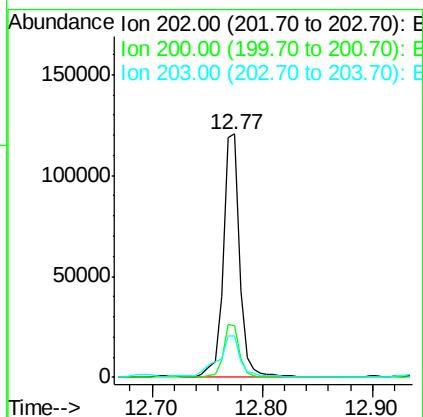
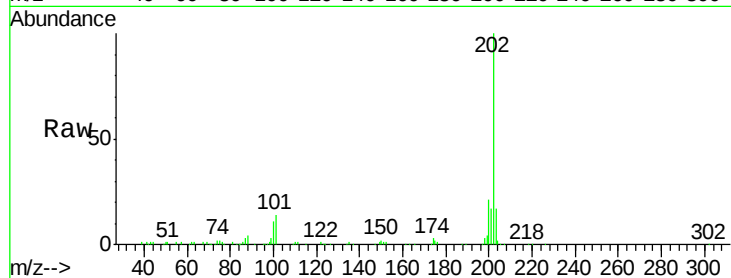




#77
Pvrene
Concen: 5.963 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

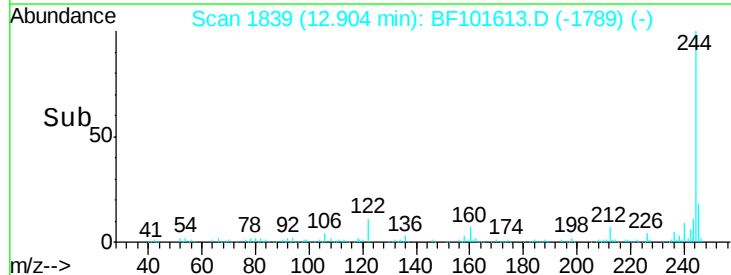
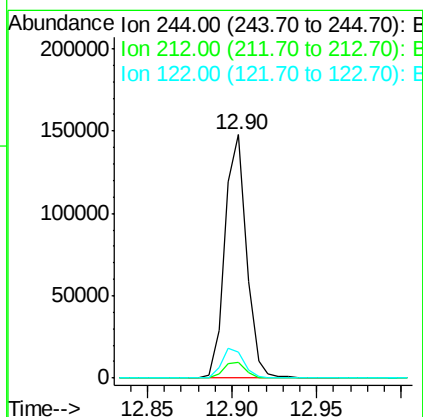
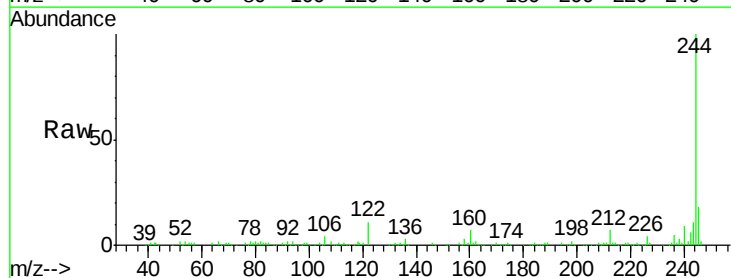
Instrument :
BNA_F
ClientSampleId :

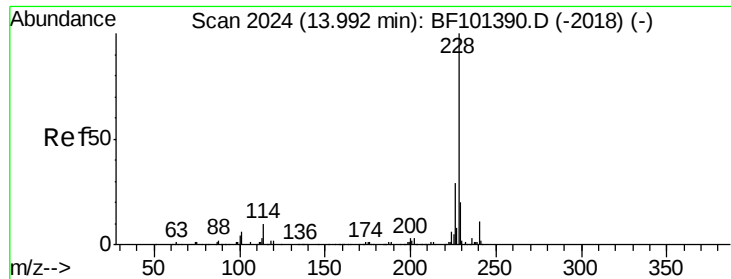
Tot Ion:202 Resp: 127060
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.3 14.3 21.5



#78
Terphenyl-d14
Concen: 11.162 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion:244 Resp: 131456
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.8 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 3.542 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

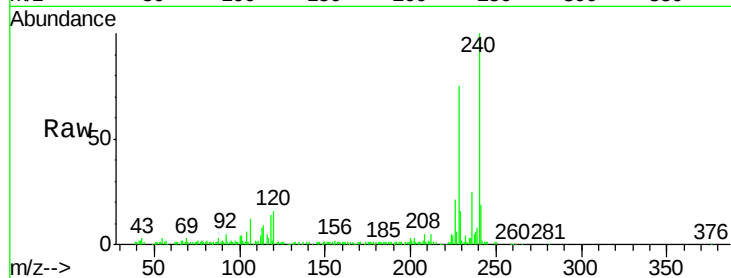
Tot Ion:228 Resp: 66405

Ion Ratio Lower Upper

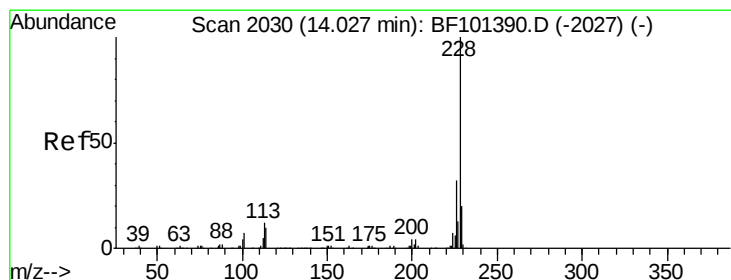
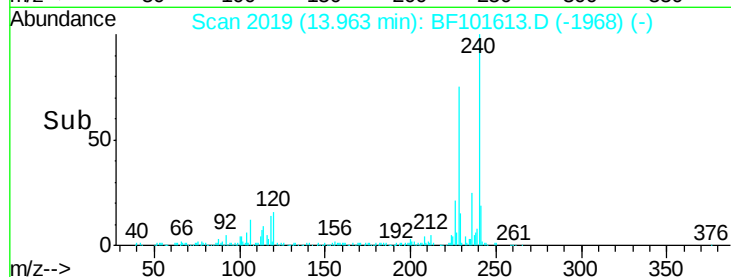
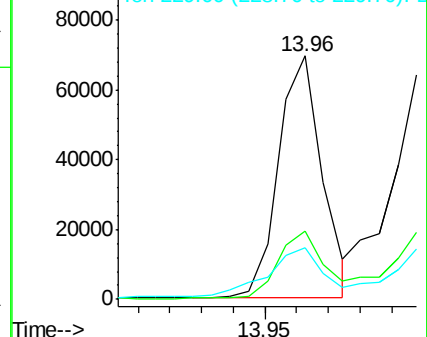
228 100

226 27.8 22.6 33.8

229 21.3 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: 3.483 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

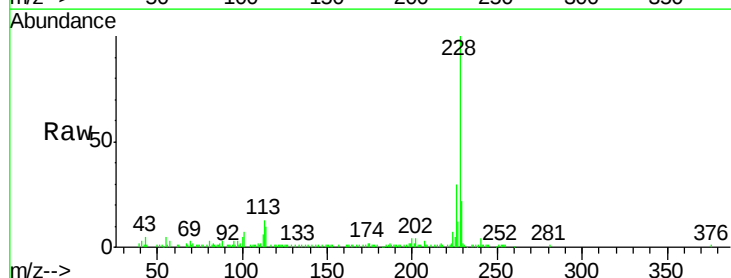
Tgt Ion:228 Resp: 61648

Ion Ratio Lower Upper

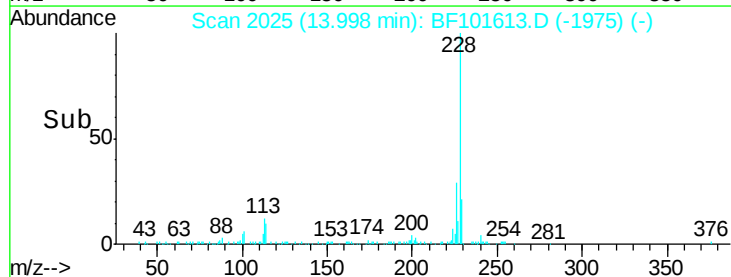
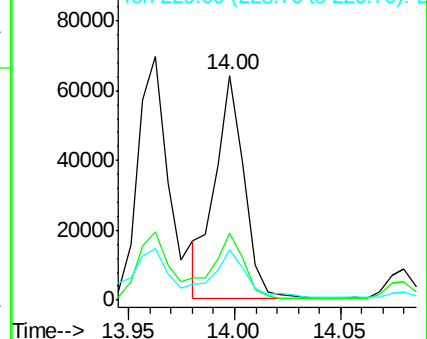
228 100

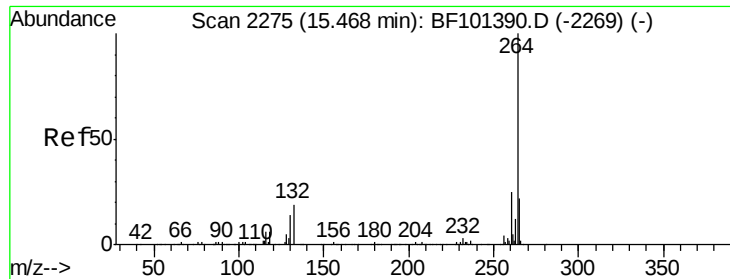
226 29.9 25.0 37.6

229 22.4 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

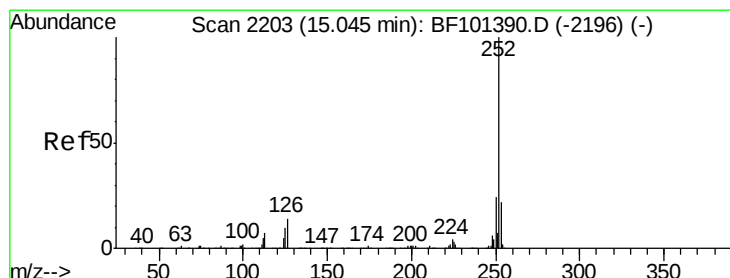
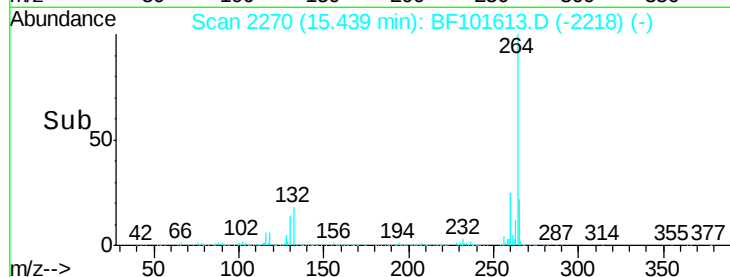
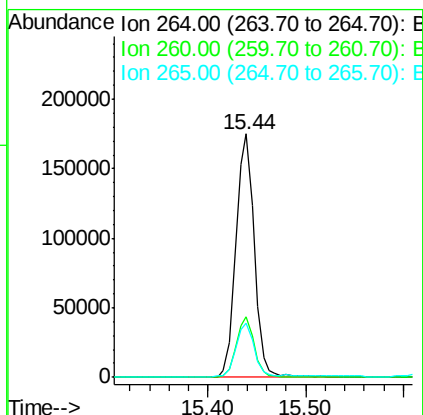
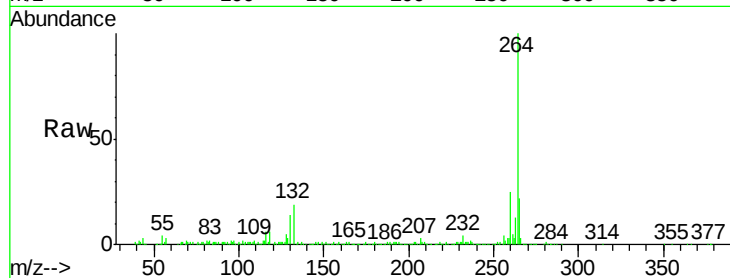




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

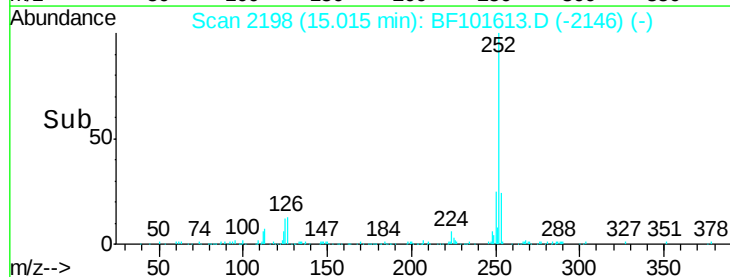
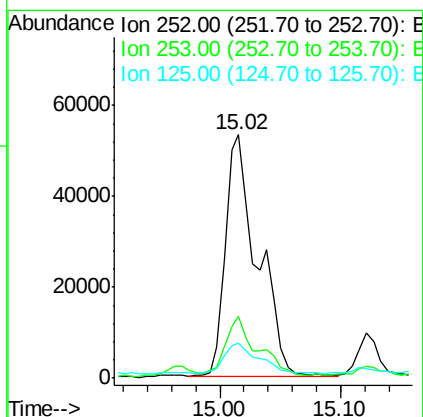
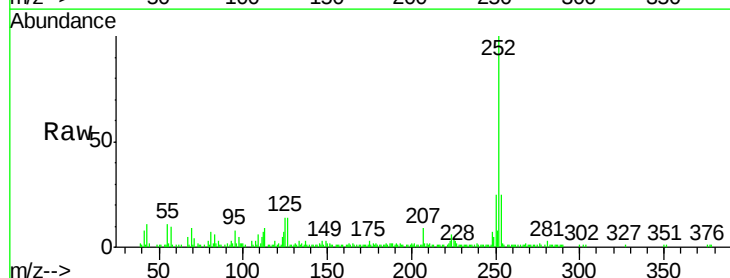
Instrument :
BNA_F
ClientSampleId :

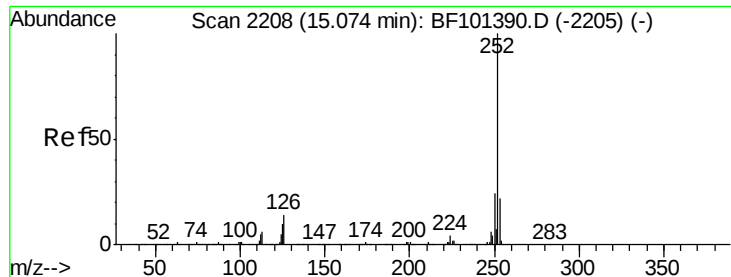
Tot Ion:264 Resp: 229903
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.971 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion:252 Resp: 97689
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 14.2 9.0 13.6#

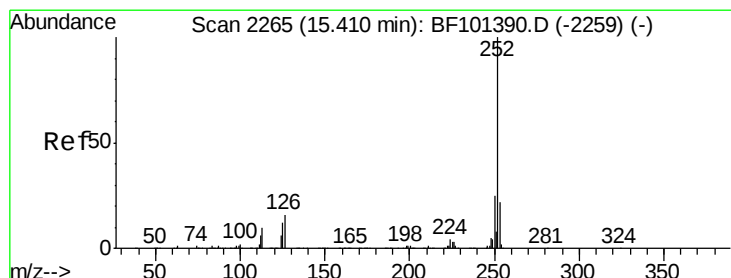
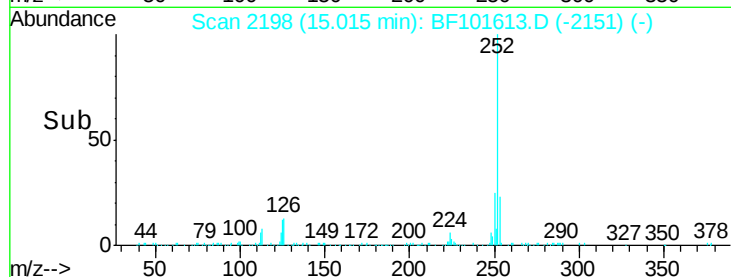
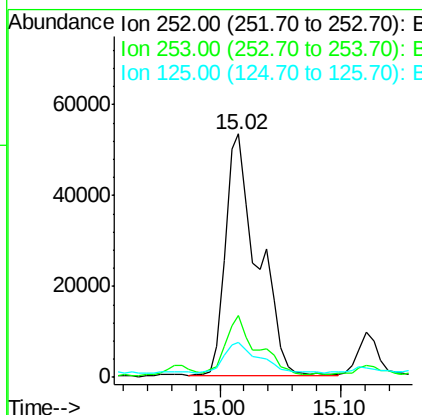
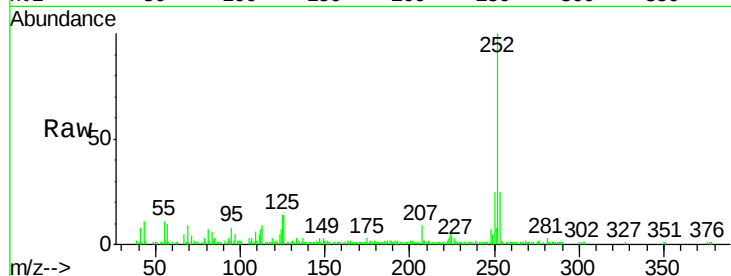




#88
Benzo(k)fluoranthene
Concen: 7.170 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	14.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.461 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.5	9.8	14.6

