

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101201.D
 Acq On : 7 Dec 2017 13:27
 Operator : SJ/JU
 Sample : I6615-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 16:33:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

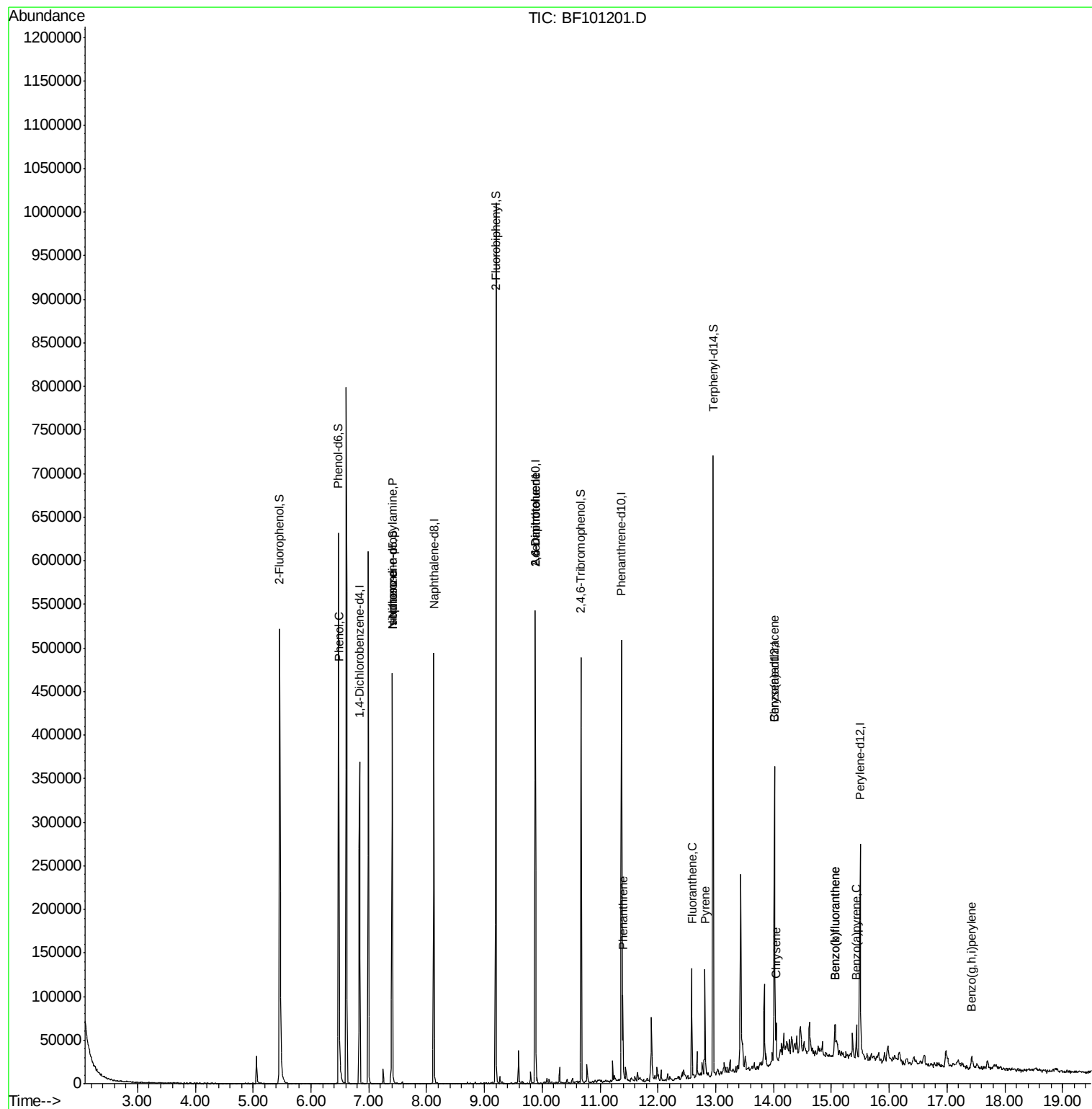
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	53958	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	210621	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	98007	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	177795	20.00	ng	0.00
75) Chrysene-d12	14.02	240	115267	20.00	ng	0.00
86) Perylene-d12	15.50	264	114516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	183603	56.23	ng	0.00
7) Phenol-d6	6.47	99	223716	56.43	ng	0.00
23) Nitrobenzene-d5	7.40	82	132993	37.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	60707	51.56	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	292277	40.80	ng	-0.01
78) Terphenyl-d14	12.96	244	235024	44.60	ng	0.00
Target Compounds						
10) Phenol	6.49	94	9030	2.048	ng	# 69
19) n-Nitroso-di-n-propylamine	7.40	70	17266	6.467	ng	# 79
25) Isophorone	7.40	82	132991	22.051	ng	# 64
50) 2,6-Dinitrotoluene	9.88	165	12541	7.533	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	12541	5.621	ng	# 21
70) Phenanthrene	11.39	178	32793	3.349	ng	99
74) Fluoranthene	12.59	202	45985	4.237	ng	94
77) Pyrene	12.82	202	44132	5.549	ng	98
80) Benzo(a)anthracene	14.01	228	18392	2.527	ng	94
82) Chrysene	14.04	228	18411	2.724	ng	98
87) Benzo(b)fluoranthene	15.06	252	28741	4.190	ng	# 97
88) Benzo(k)fluoranthene	15.06	252	28741	4.253	ng	97
89) Benzo(a)pyrene	15.43	252	16626	2.666	ng	96
91) Benzo(a,h,i)perylene	17.43	276	10999	2.123	ng	# 90

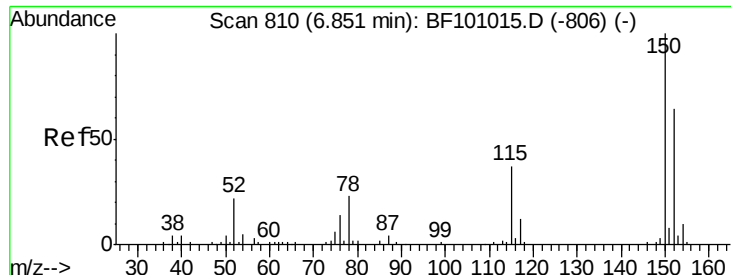
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101201.D
Acq On : 7 Dec 2017 13:27
Operator : SJ/JU
Sample : I6615-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 07 16:33:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration



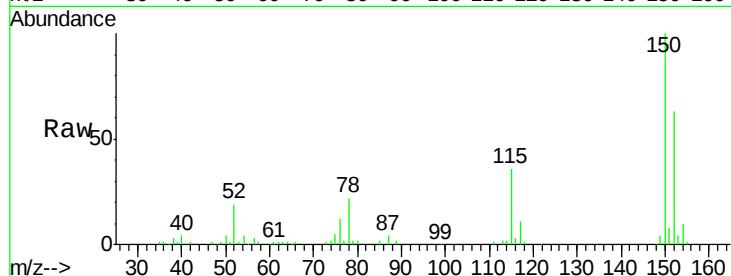


#1

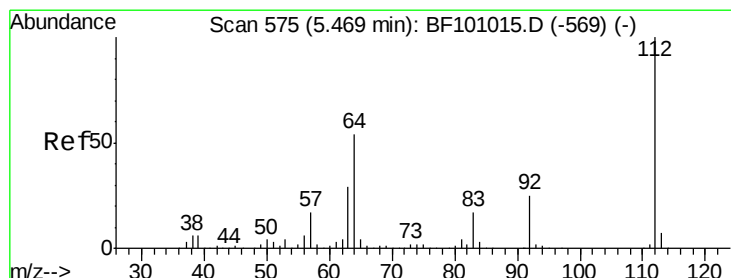
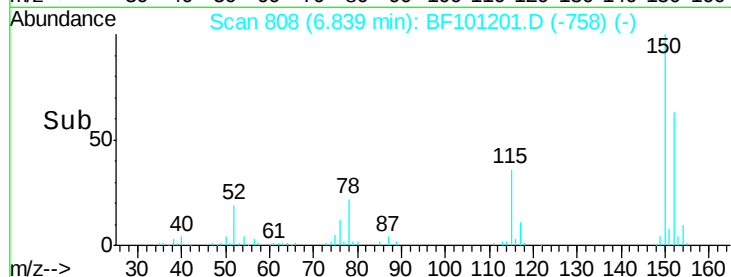
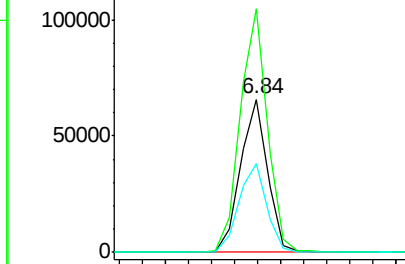
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 53958
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 57.9 50.1 75.1



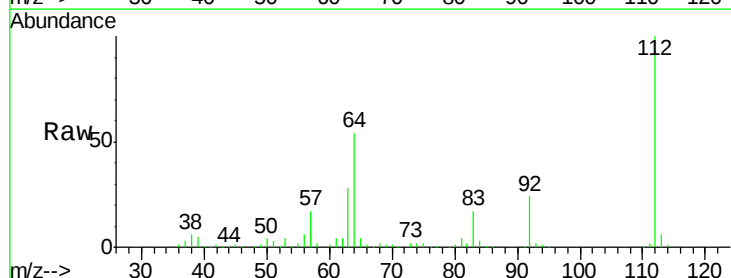
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



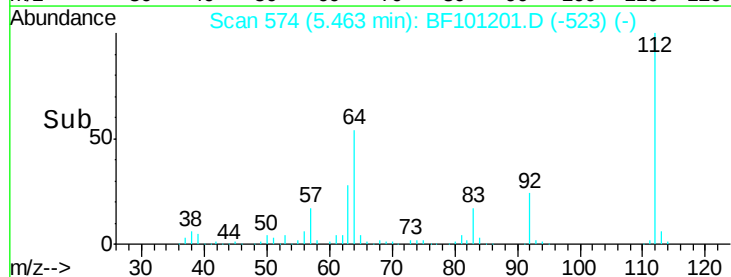
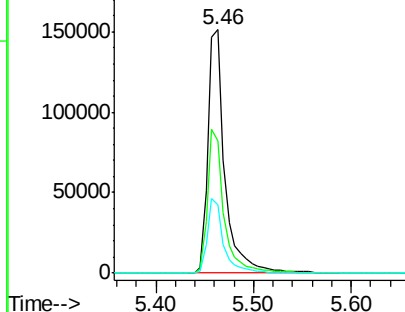
#5

2-Fluorophenol
Concen: 56.228 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion:112 Resp: 183603
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 28.2 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: 56.431 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

Instrument :

BNA_F

ClientSampled :

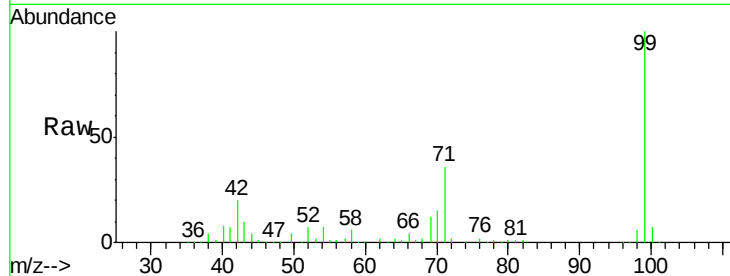
Tot Ion: 99 Resp: 223716

Ion Ratio Lower Upper

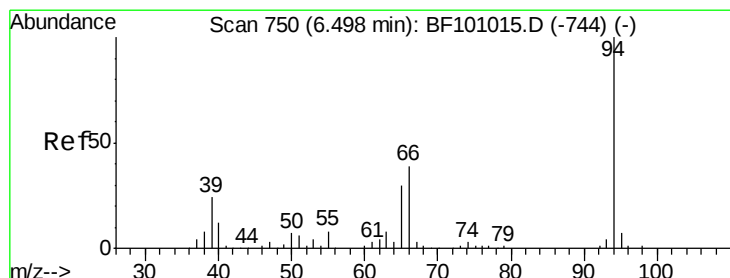
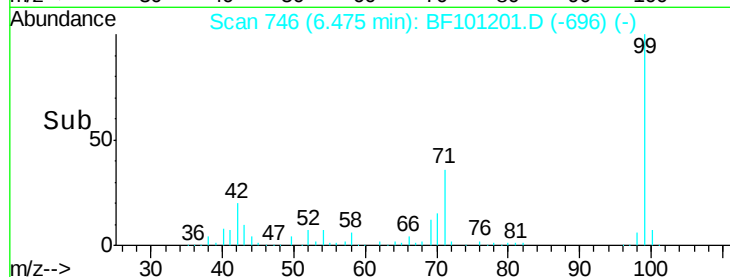
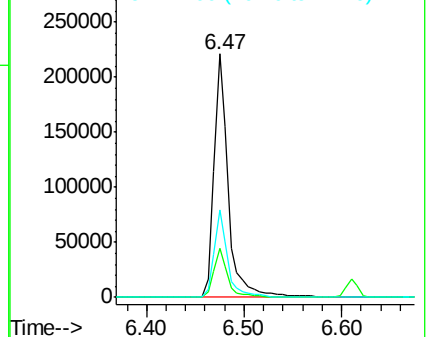
99 100

42 20.0 14.5 21.7

71 35.8 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



#10

Phenol

Concen: 2.048 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

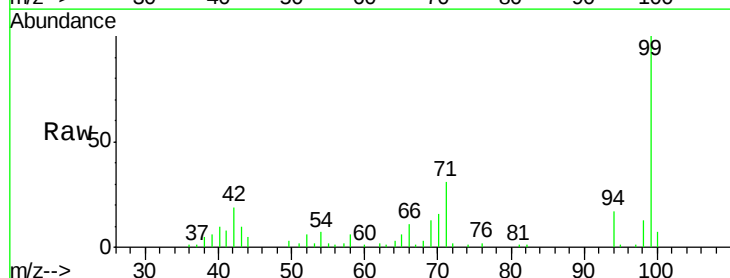
Tgt Ion: 94 Resp: 9030

Ion Ratio Lower Upper

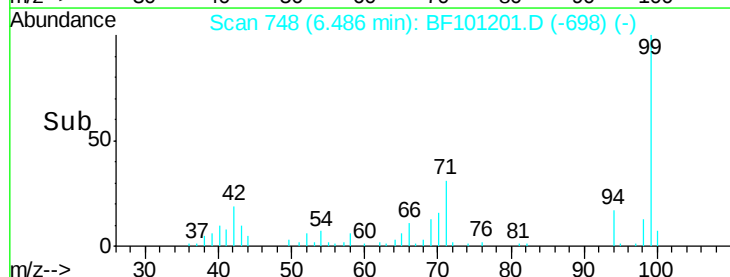
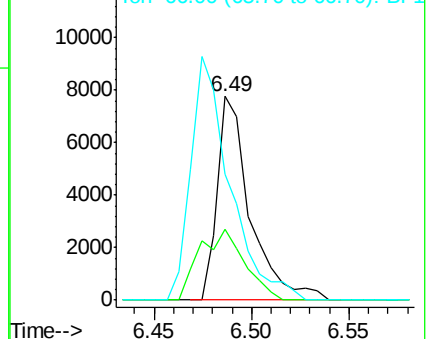
94 100

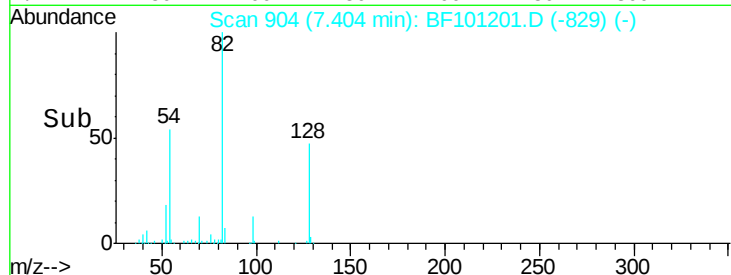
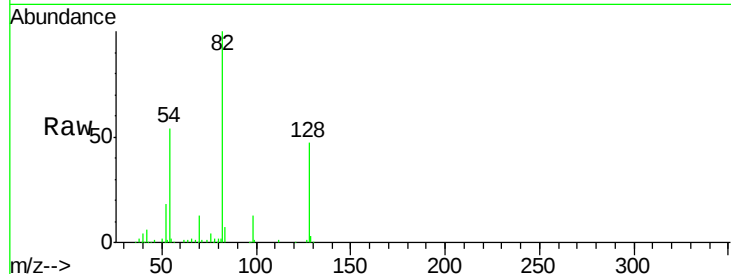
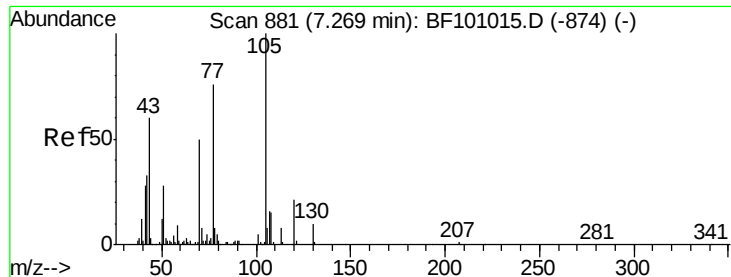
65 34.9 7.9 47.9

66 62.1 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

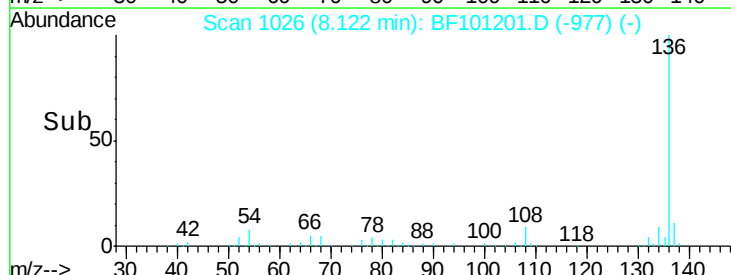
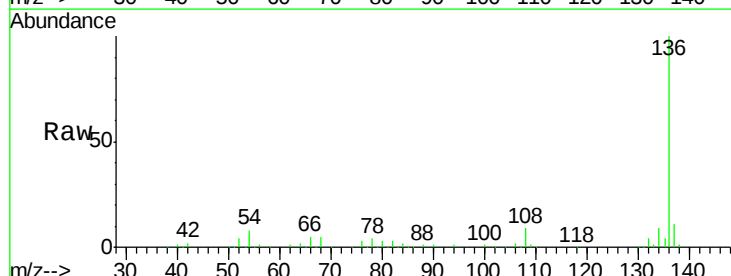
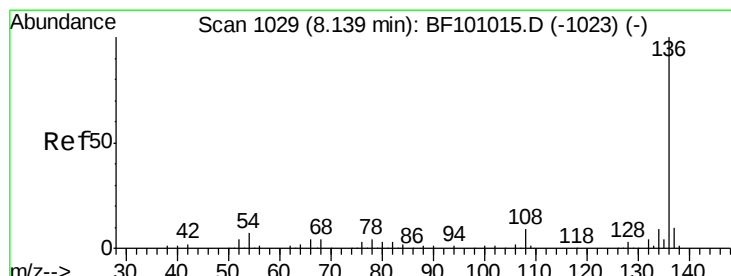
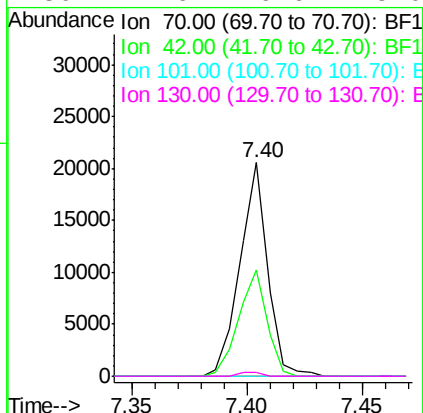




#19
n-Nitroso-di-n-propylamine
Concen: 6.467 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

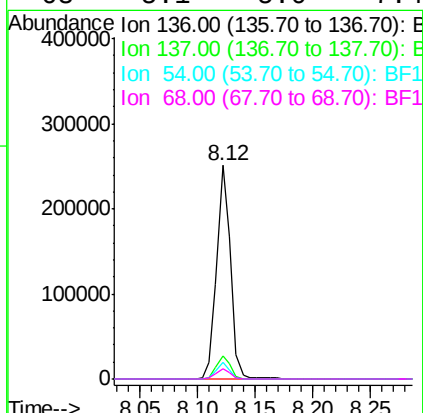
Instrument :
BNA_F
ClientSampleId :

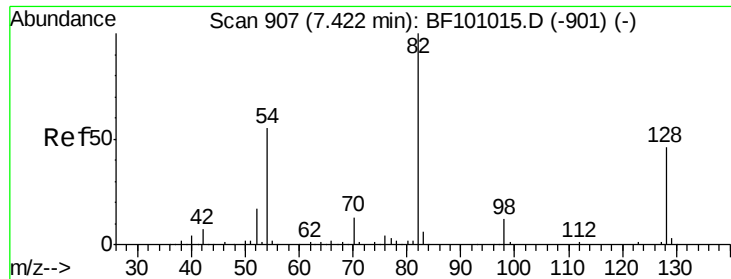
Tot Ion: 70 Resp: 17266
Ion Ratio Lower Upper
70 100
42 49.7 47.5 71.3
101 0.0 7.4 11.2#
130 1.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion: 136 Resp: 210621
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.7 6.6 9.8
68 5.1 5.0 7.4

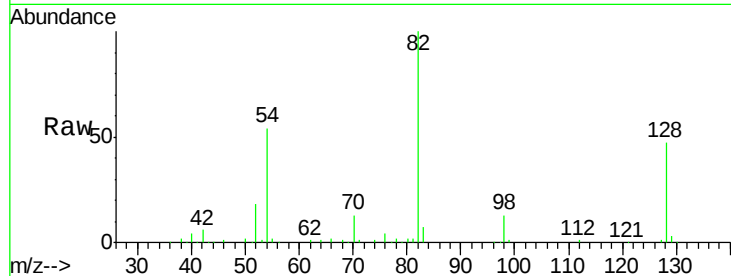




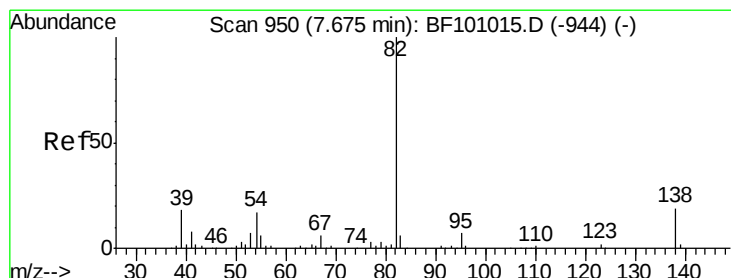
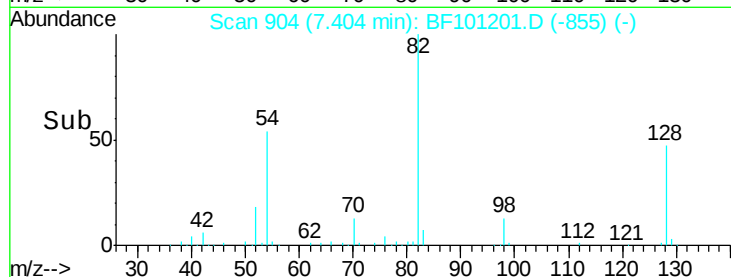
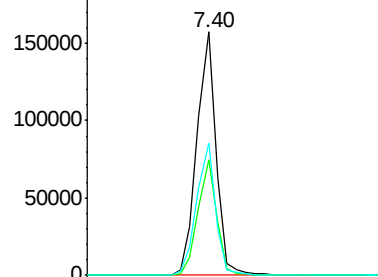
#23
Nitrobenzene-d5
Concen: 37.667 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 132993
Ion Ratio Lower Upper
82 100
128 47.5 36.1 54.1
54 54.5 41.4 62.2

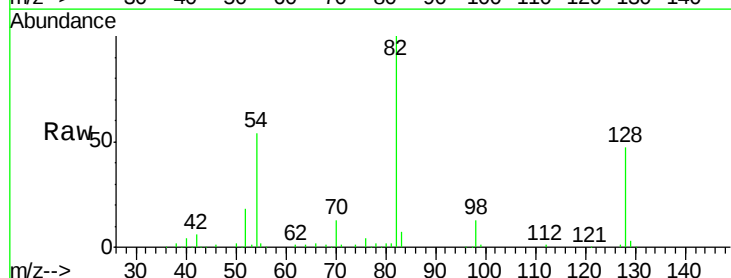


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

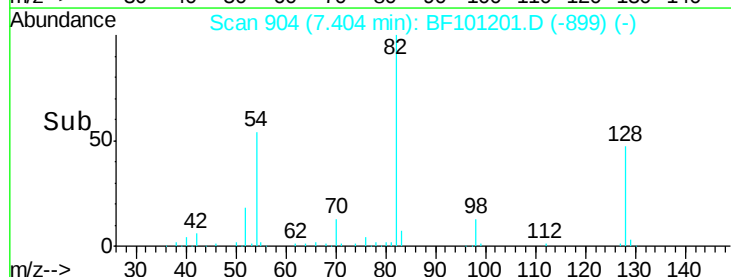
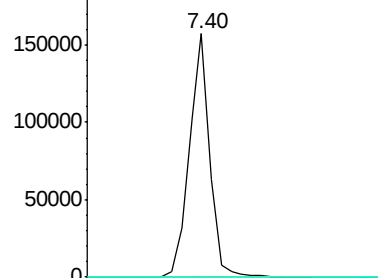


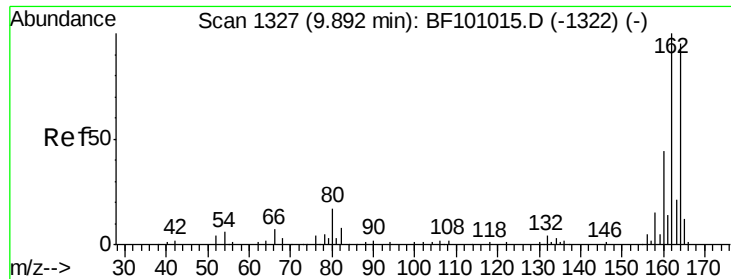
#25
Isophorone
Concen: 22.051 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion: 82 Resp: 132991
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

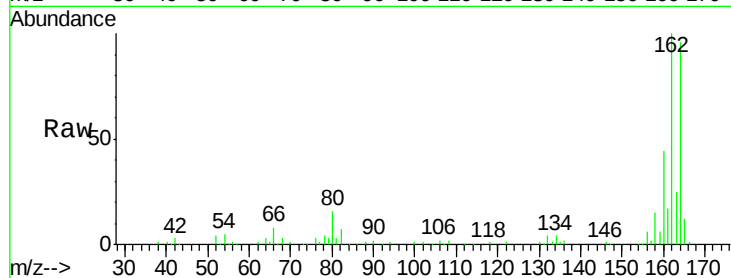




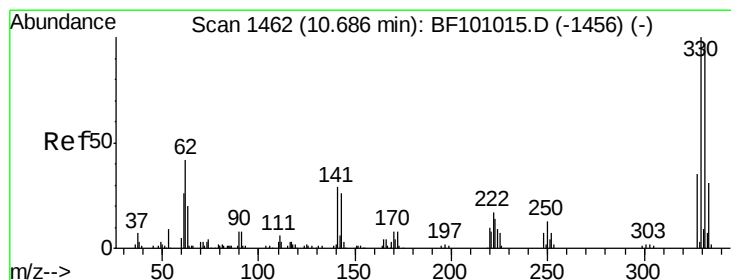
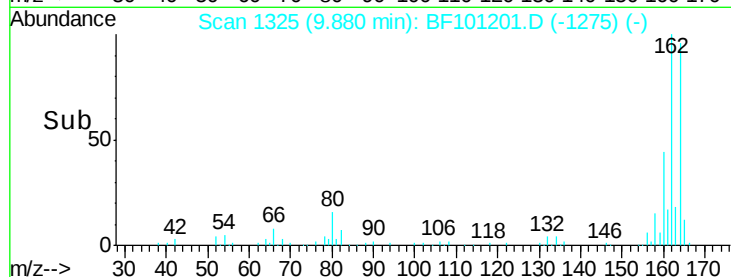
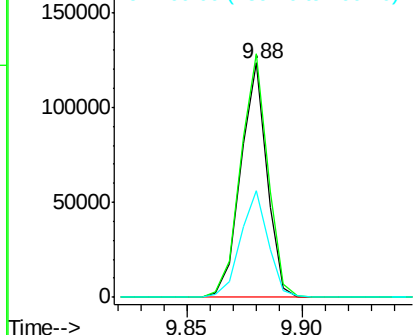
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 98007
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 45.7 38.3 57.5

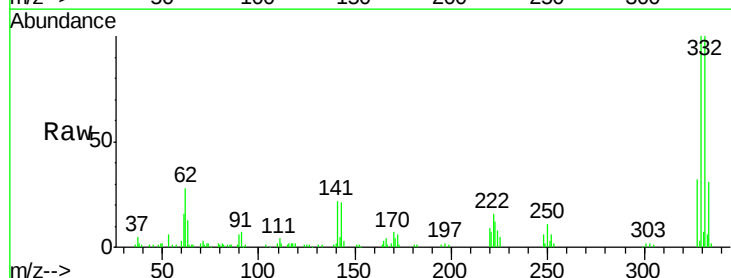


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

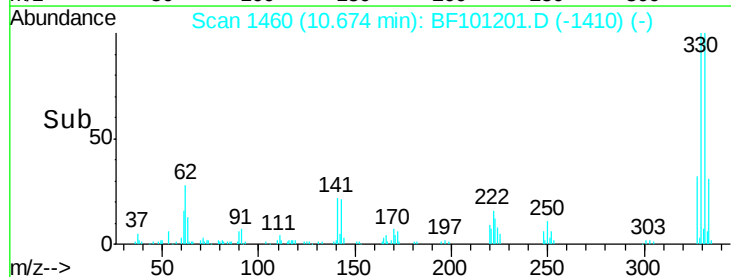
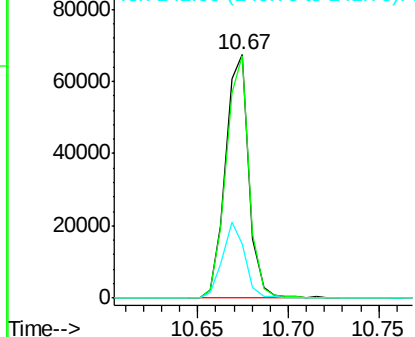


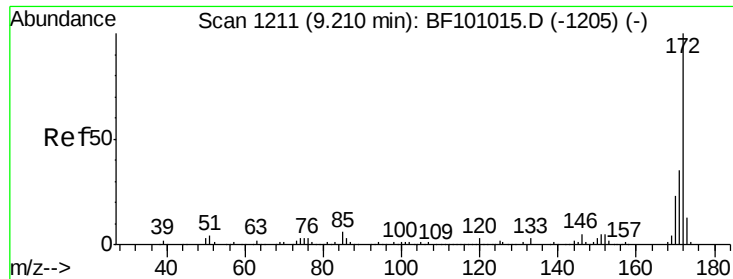
#41
2,4,6-Tribromophenol
Concen: 51.563 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion:330 Resp: 60707
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 29.5 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

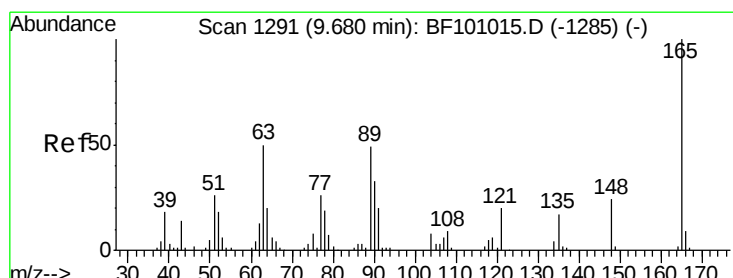
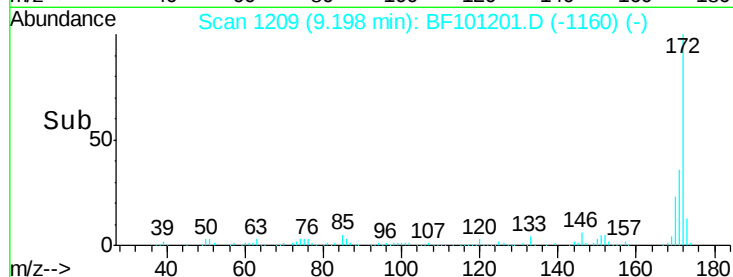
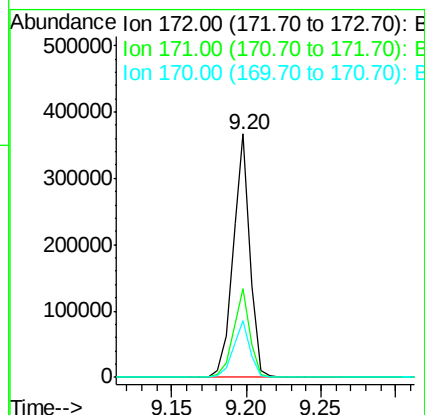
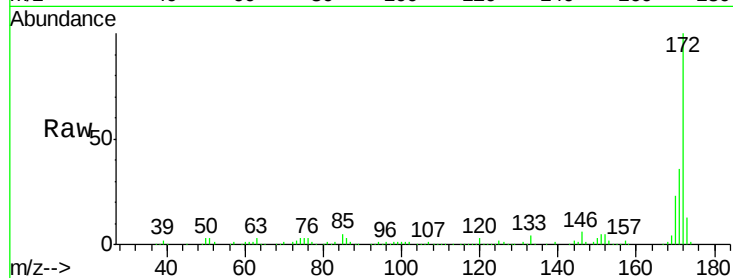




#44
 2-Fluorobiphenyl
 Concen: 40.803 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101201.D
 Acq: 7 Dec 2017 13:27

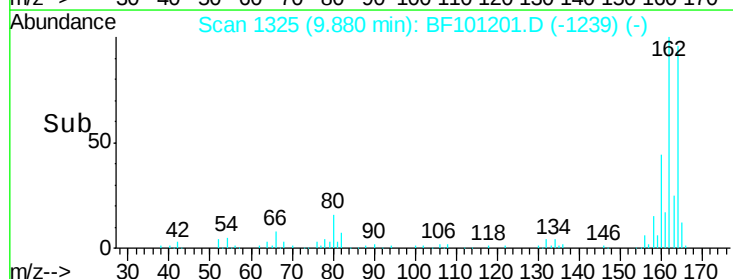
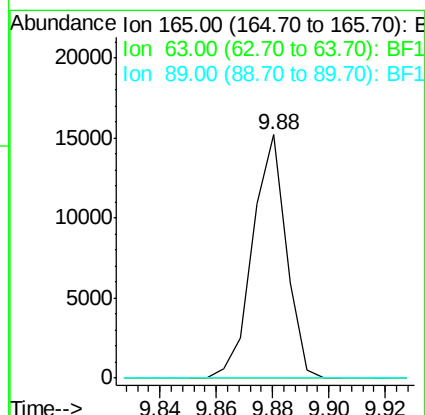
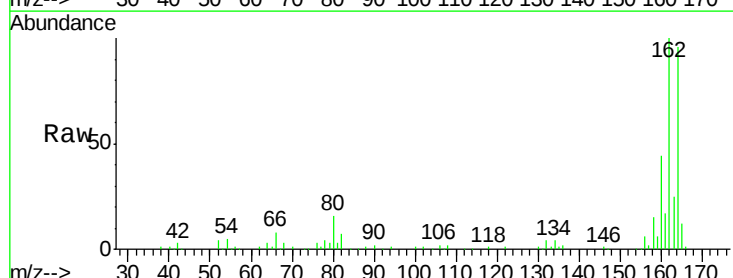
Instrument :
 BNA_F
 ClientSampleId :

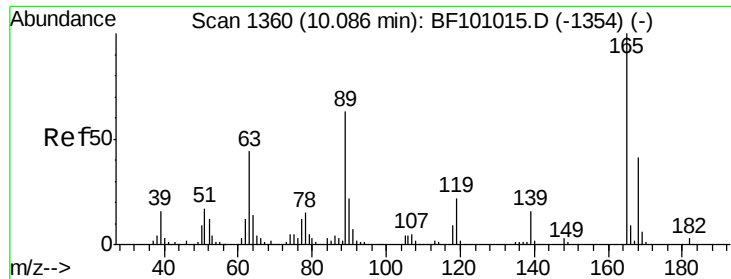
Tot Ion:172 Resp: 292277
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.3 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.533 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101201.D
 Acq: 7 Dec 2017 13:27

Tgt Ion:165 Resp: 12541
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

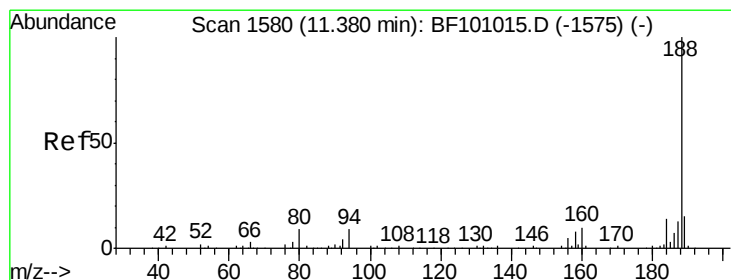
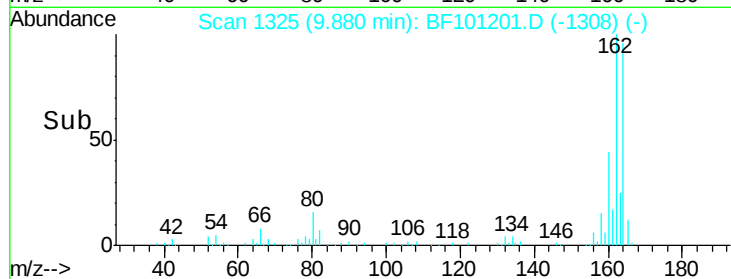
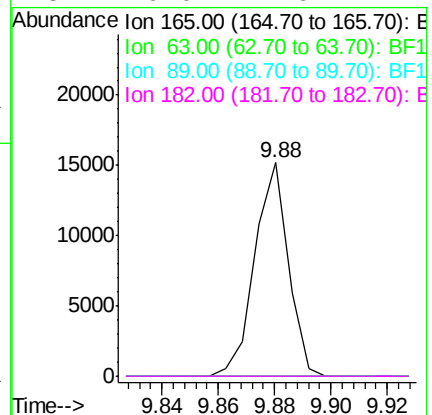
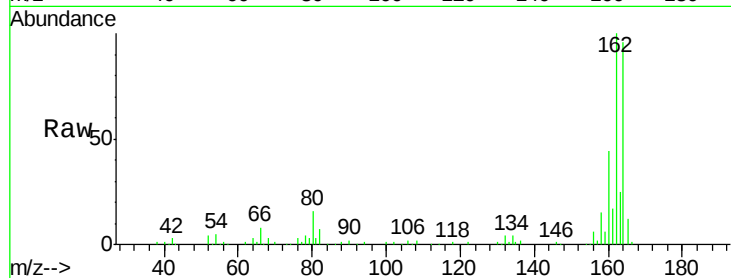




#56
 2,4-Dinitrotoluene
 Concen: 5.621 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101201.D
 Acq: 7 Dec 2017 13:27

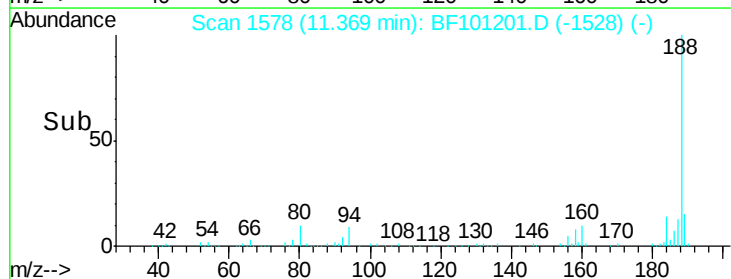
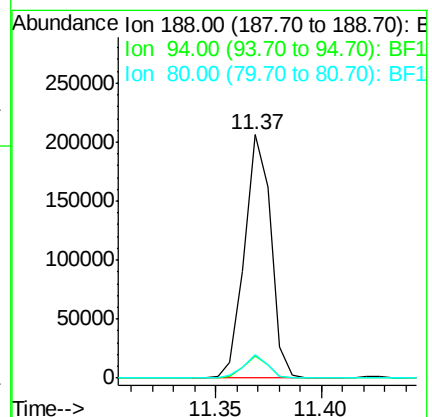
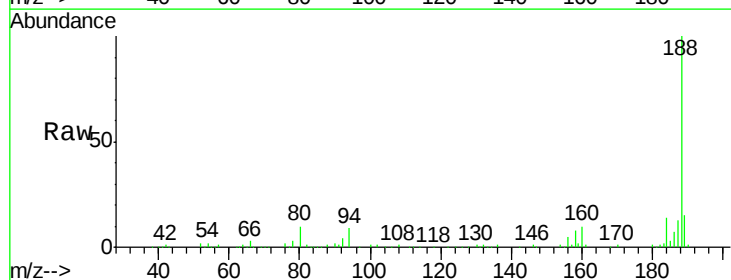
Instrument :
 BNA_F
 ClientSampleId :

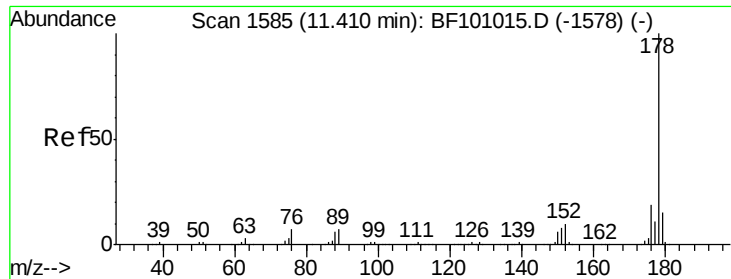
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF101201.D
 Acq: 7 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.6	9.2	13.8

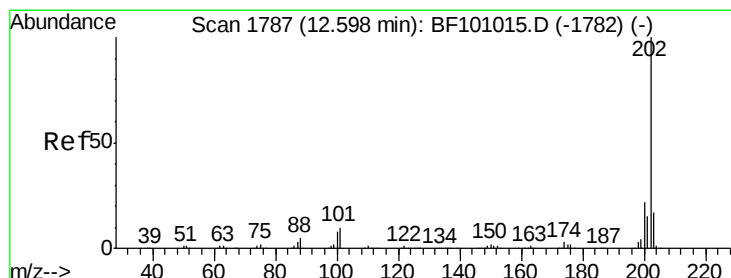
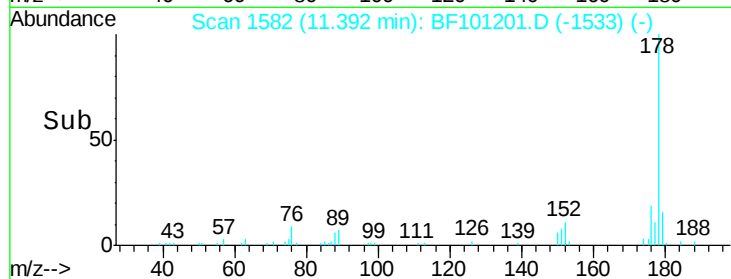
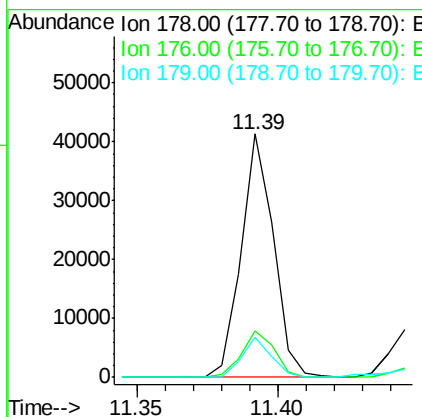
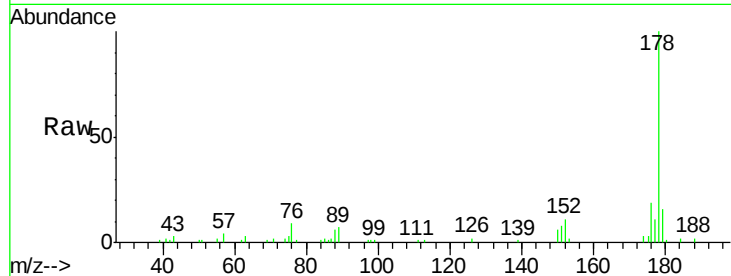




#70
Phenanthrene
Concen: 3.349 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

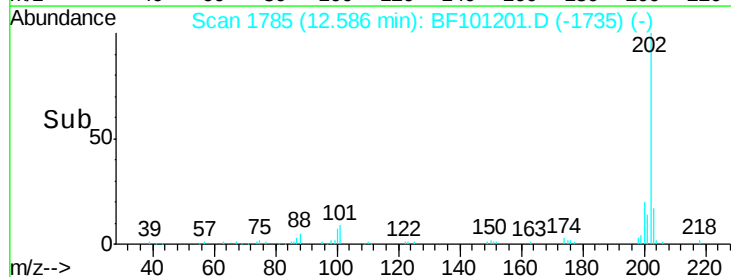
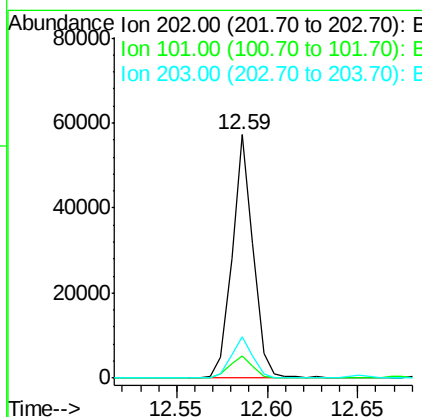
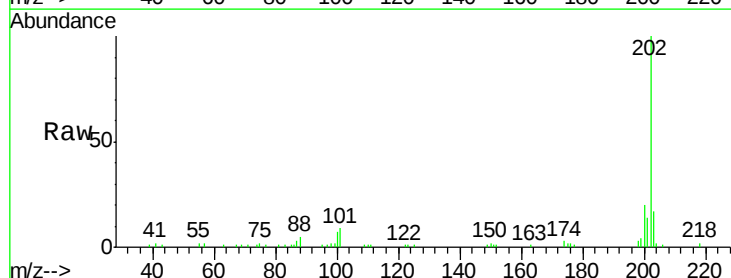
Instrument :
BNA_F
ClientSampleId :

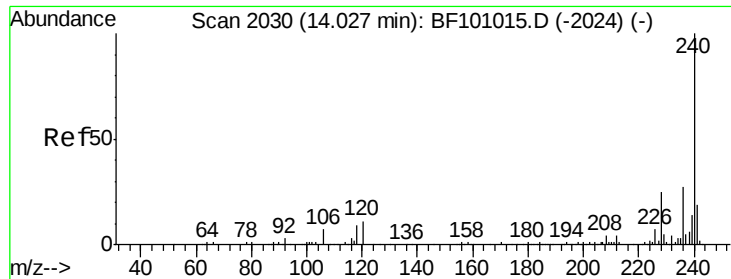
Tot Ion:178 Resp: 32793
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.3 13.0 19.6



#74
Fluoranthene
Concen: 4.237 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion:202 Resp: 45985
Ion Ratio Lower Upper
202 100
101 9.1 0.0 34.1
203 17.2 0.0 38.1

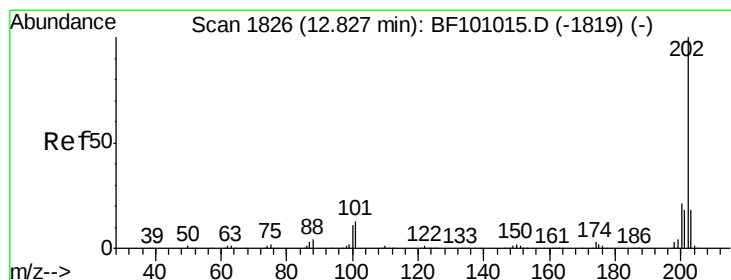
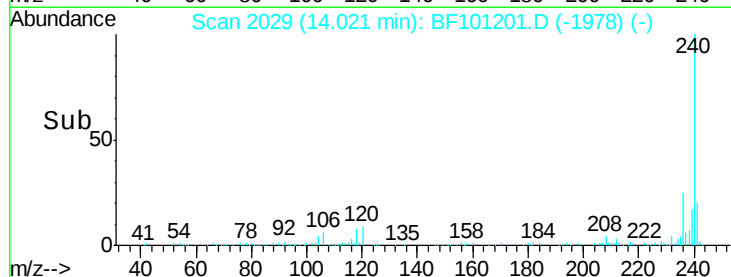
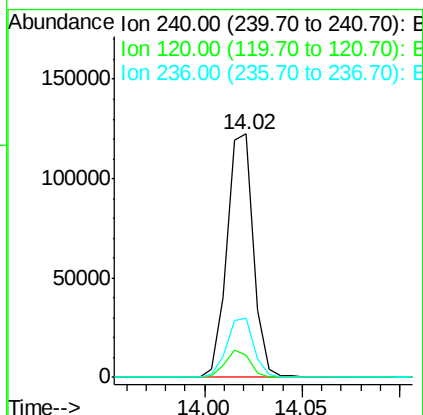
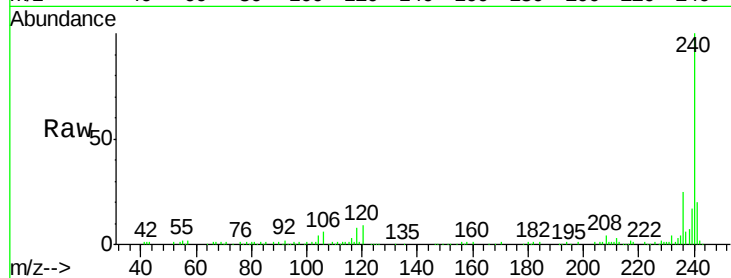




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

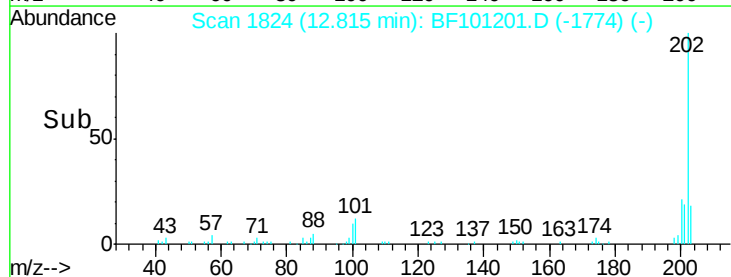
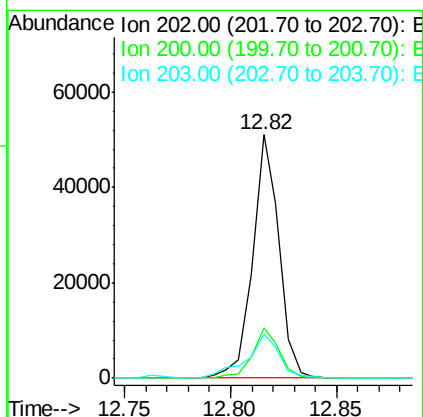
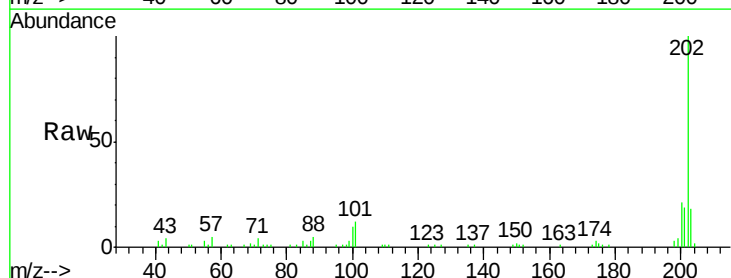
Instrument :
BNA_F
ClientSampleId :

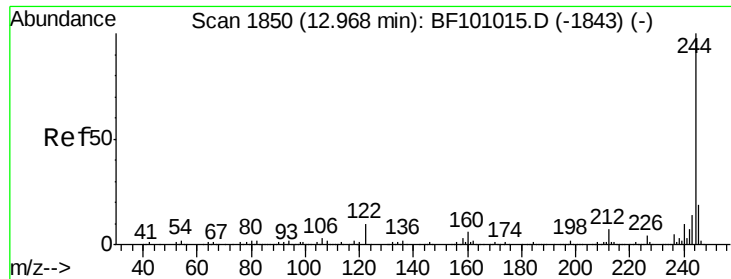
Tot Ion:240 Resp: 115267
Ion Ratio Lower Upper
240 100
120 8.9 9.5 14.3#
236 24.6 20.7 31.1



#77
Pyrene
Concen: 5.549 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion:202 Resp: 44132
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.1 14.3 21.5





#78

Terphenyl-d14

Concen: 44.597 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

Instrument :

BNA_F

ClientSampleId :

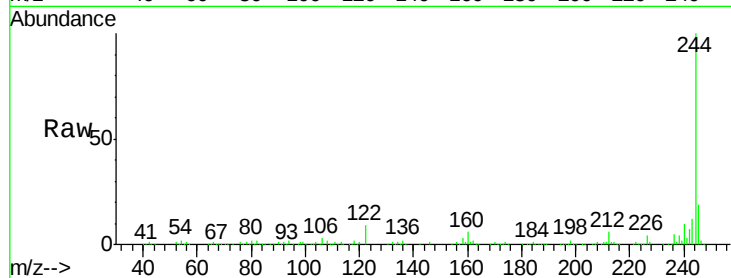
Tot Ion:244 Resp: 235024

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

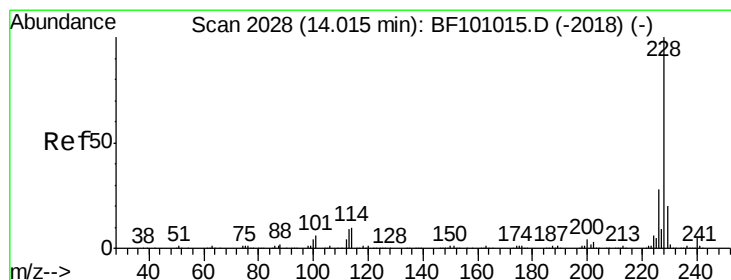
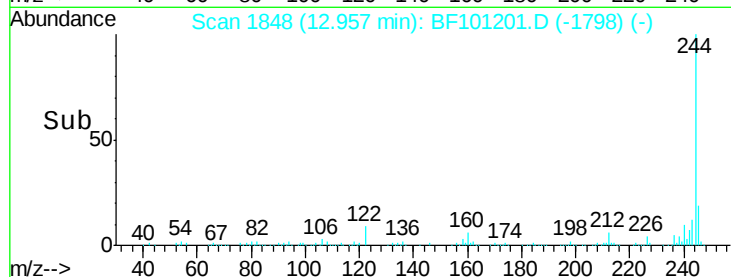
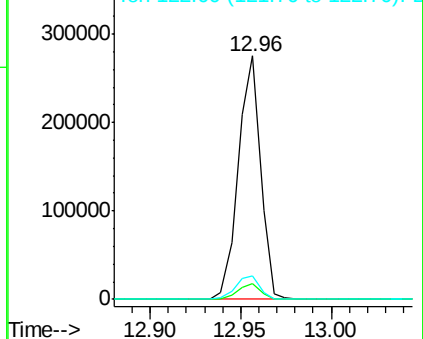
122 9.4 11.0 16.4#



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: 2.527 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

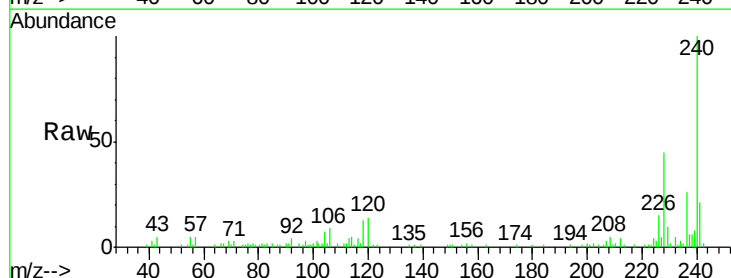
Tgt Ion:228 Resp: 18392

Ion Ratio Lower Upper

228 100

226 32.2 22.6 33.8

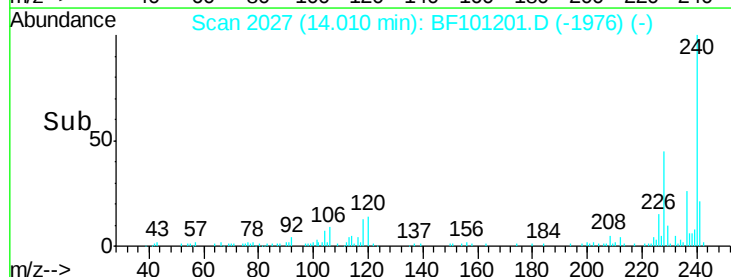
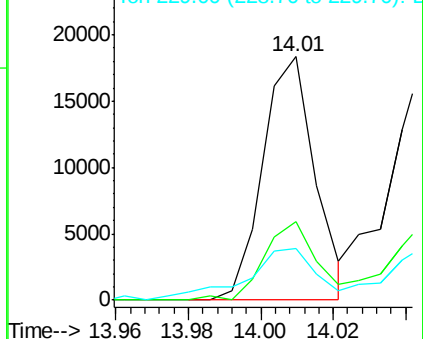
229 21.0 15.8 23.6

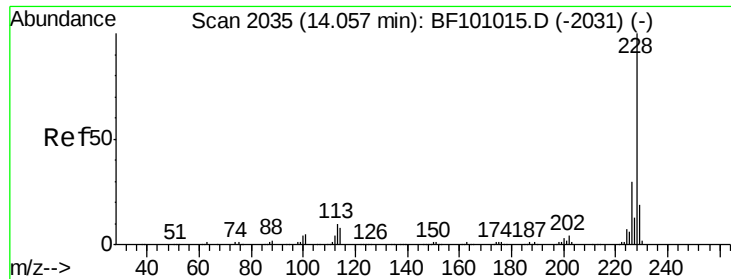


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

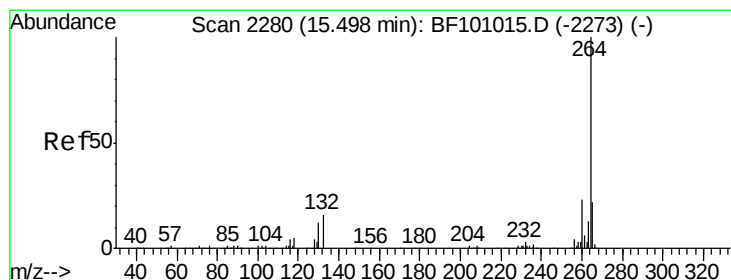
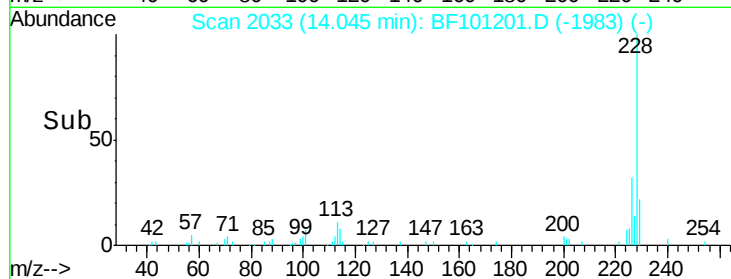
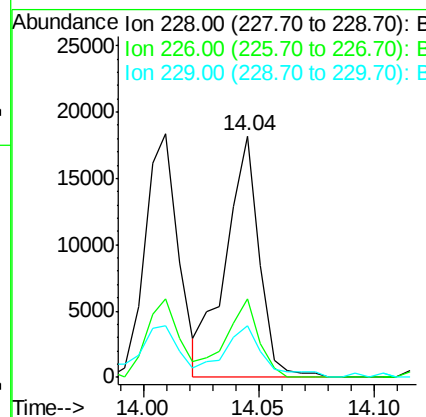
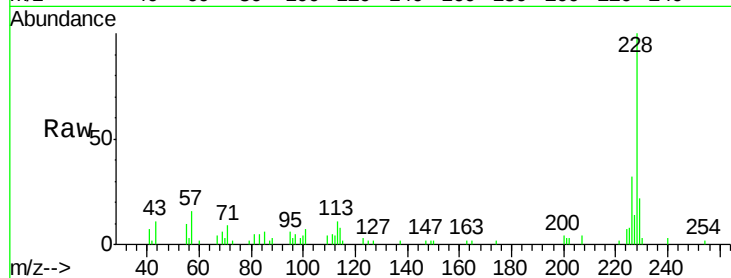




#82
Chrysene
Concen: 2.724 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

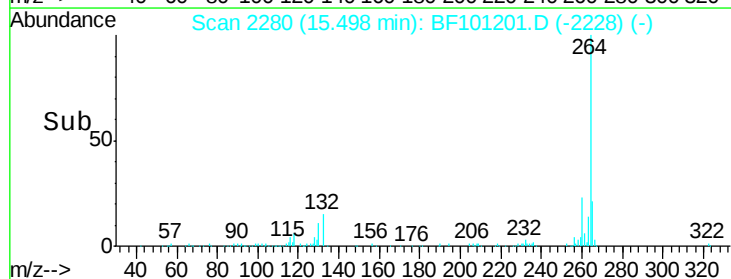
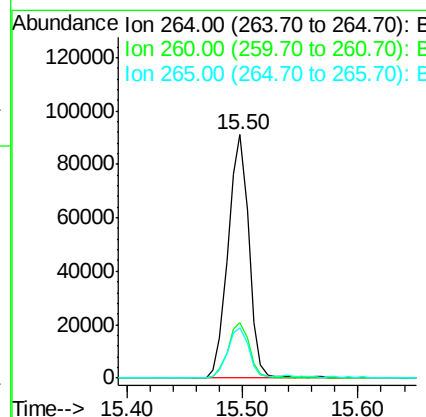
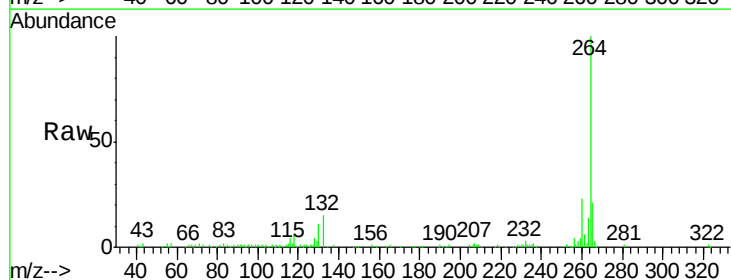
Instrument :
BNA_F
ClientSampleId :

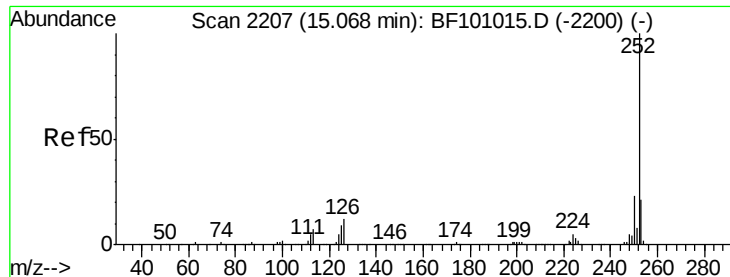
Tot Ion:228 Resp: 18411
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 21.5 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101201.D
Acq: 7 Dec 2017 13:27

Tgt Ion:264 Resp: 114516
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 20.9 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 4.190 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

Instrument :

BNA_F

ClientSampleId :

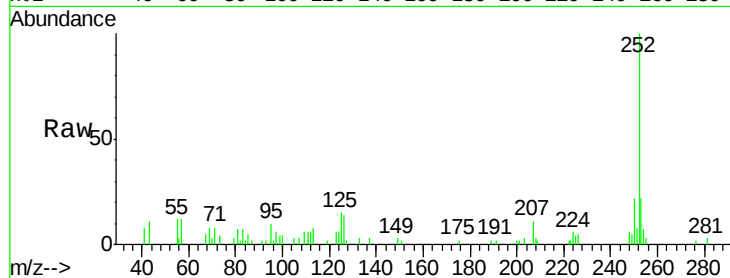
Tot Ion:252 Resp: 28741

Ion Ratio Lower Upper

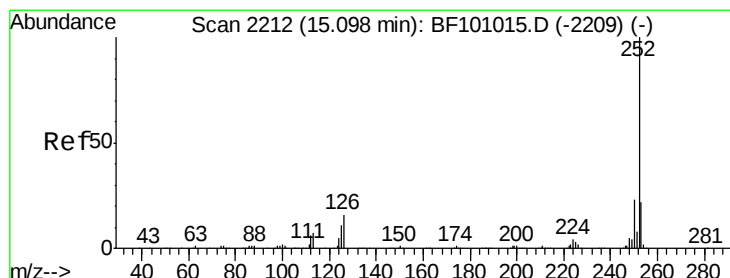
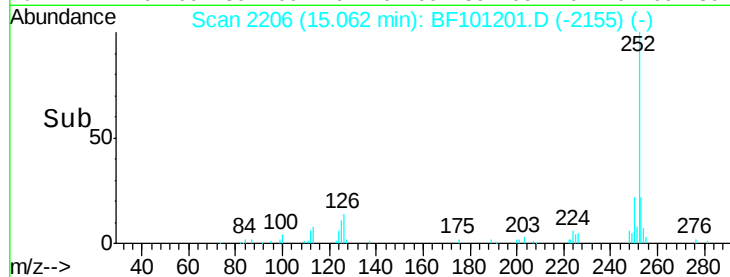
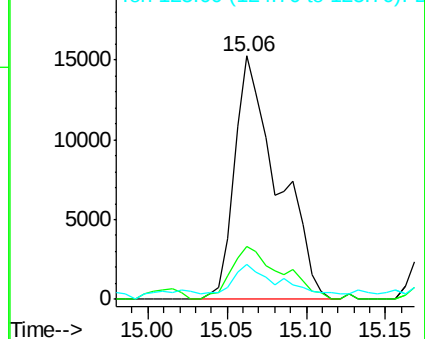
252 100

253 21.5 17.0 25.6

125 14.6 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.253 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

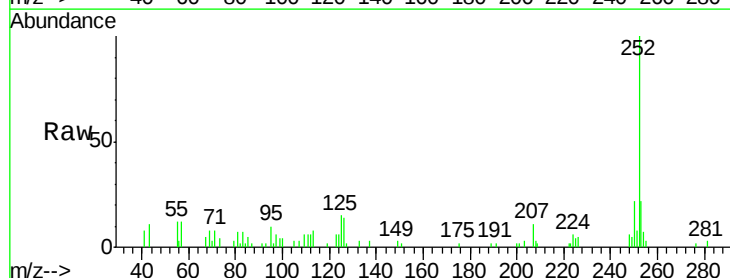
Tgt Ion:252 Resp: 28741

Ion Ratio Lower Upper

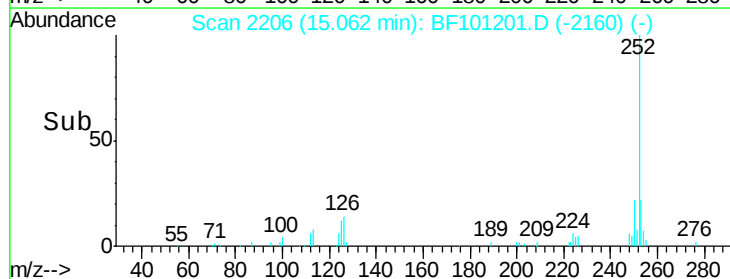
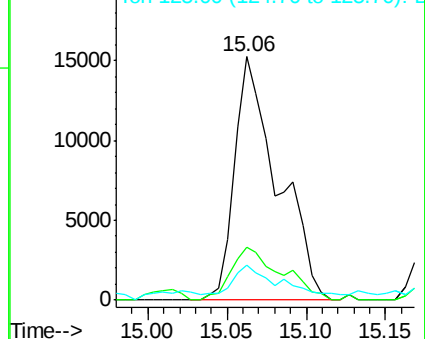
252 100

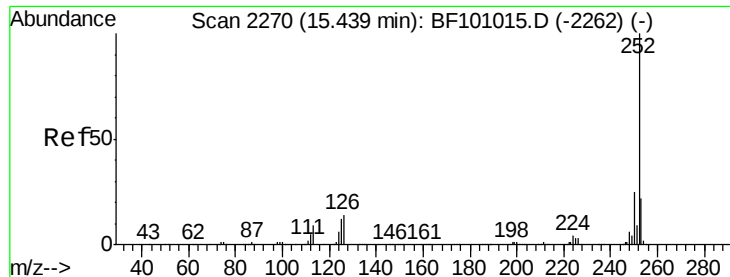
253 21.5 17.9 26.9

125 14.6 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.666 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

Instrument :

BNA_F

ClientSampleId :

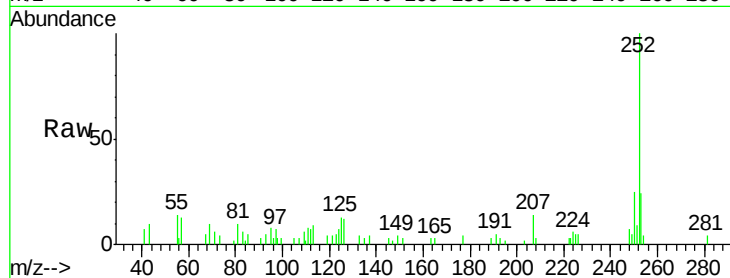
Tot Ion:252 Resp: 16626

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

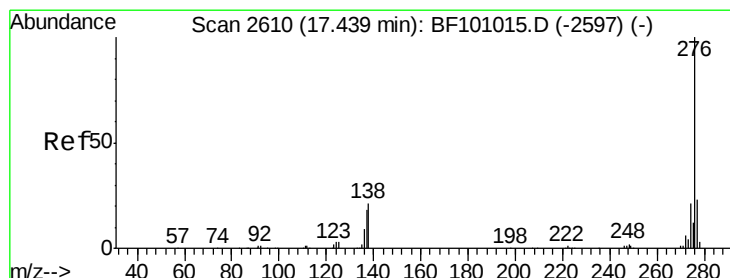
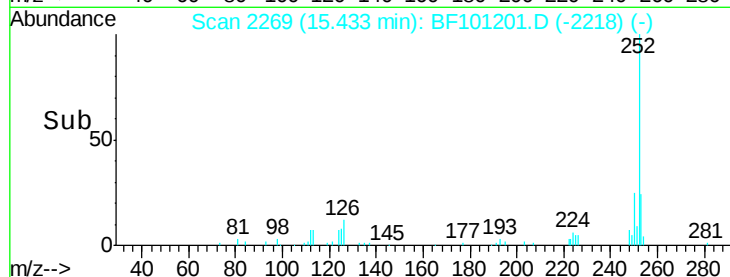
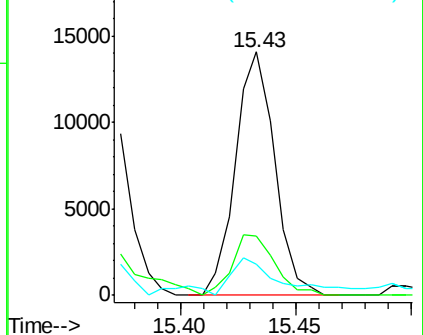
125 12.7 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.123 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.01 min

Lab File: BF101201.D

Acq: 7 Dec 2017 13:27

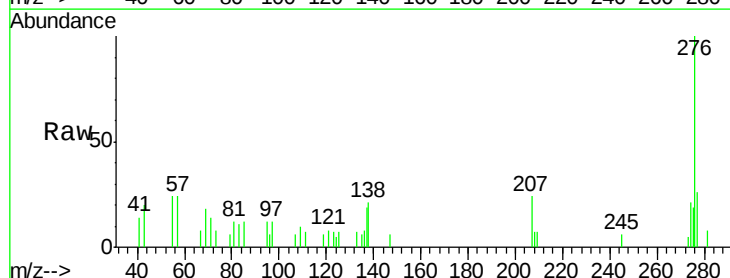
Tgt Ion:276 Resp: 10999

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 21.0 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

