

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101168.D
 Acq On : 6 Dec 2017 15:31
 Operator : SJ/JU
 Sample : I6702-10RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-1-E(0-1)

Quant Time: Dec 06 18:04:26 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	6.85	152	51807	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	207551	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	100022	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	197702	20.00	ng	0.00
75) Chrysene-d12	14.02	240	148340	20.00	ng	0.00
86) Perylene-d12	15.49	264	110617	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	328938	104.92	ng	0.00
7) Phenol-d6	6.48	99	398932	104.81	ng	0.00
23) Nitrobenzene-d5	7.41	82	251368	72.25	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	115785	96.36	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	535662	73.27	ng	0.00
78) Terphenyl-d14	12.96	244	557479	82.20	ng	0.00

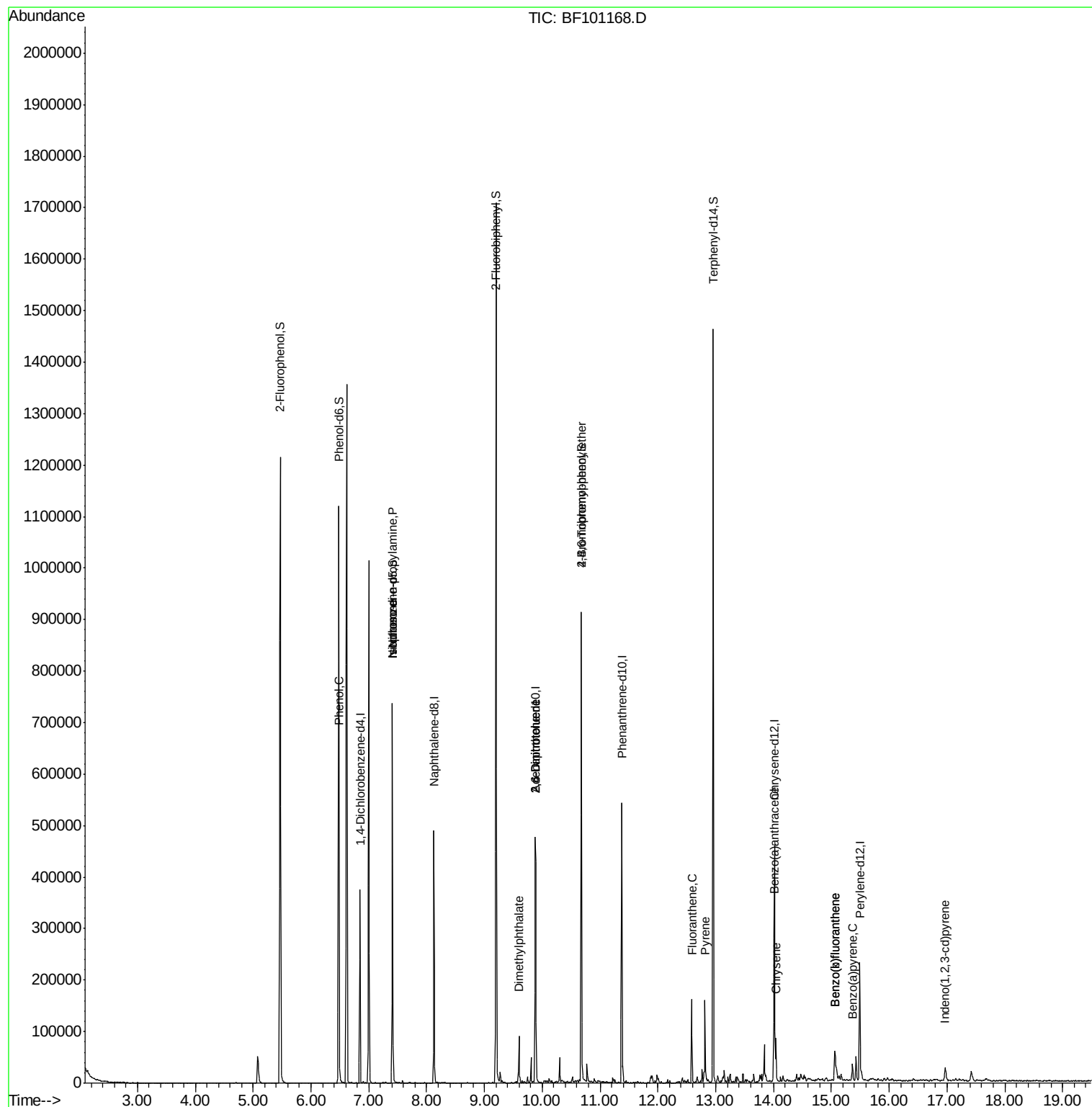
Target Compounds				Qvalue		
10) Phenol	6.49	94	9578	2.263	ng	89
19) n-Nitroso-di-n-propylamine	7.41	70	32843	12.812	ng	# 85
25) Isophorone	7.41	82	251365	42.296	ng	# 64
49) Dimethylphthalate	9.60	163	41629	5.161	ng	99
50) 2,6-Dinitrotoluene	9.88	165	12221	7.193	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	12221	5.367	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	7335	3.315	ng	# 1
74) Fluoranthene	12.59	202	62550	5.183	ng	94
77) Pyrene	12.82	202	62922	6.147	ng	98
80) Benzo(a)anthracene	14.00	228	34972	3.734	ng	94
82) Chrysene	14.04	228	34832	4.004	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	18925	2.447	ng	# 87
87) Benzo(b)fluoranthene	15.06	252	48444	7.312	ng	98
88) Benzo(k)fluoranthene	15.06	252	48444	7.421	ng	96
89) Benzo(a)pyrene	15.36	252	17064	2.833	ng	98

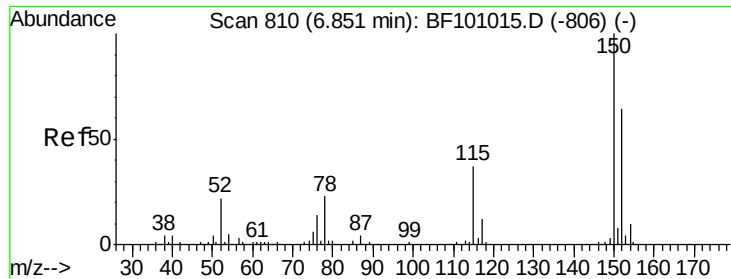
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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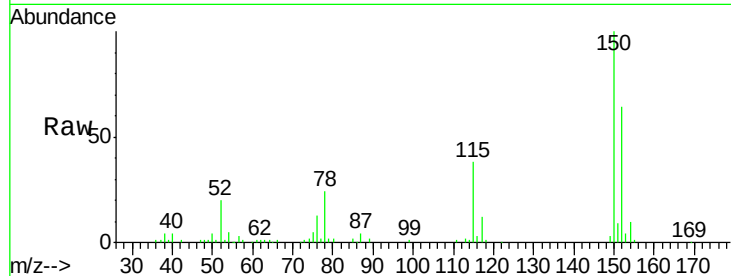


#1

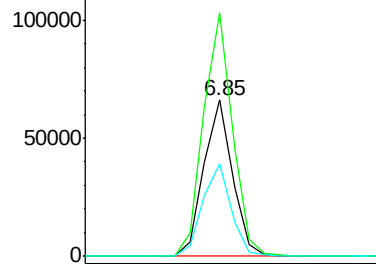
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

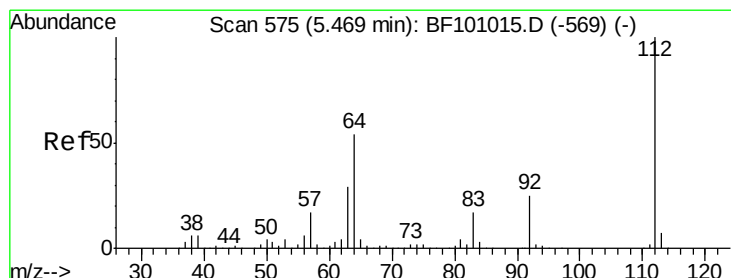
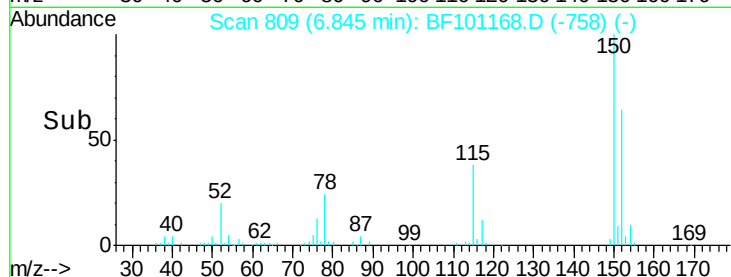
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	59.3	50.1	75.1



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



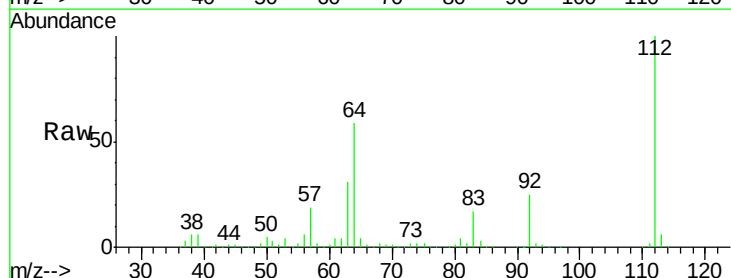
Time-->



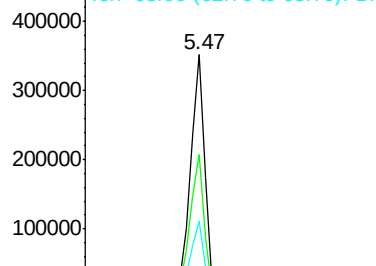
#5

2-Fluorophenol
Concen: 104.919 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

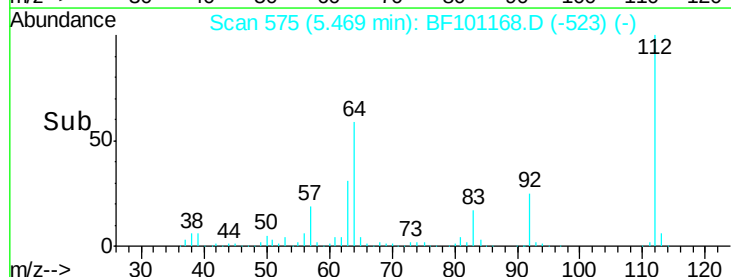
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	31.5	23.7	35.5

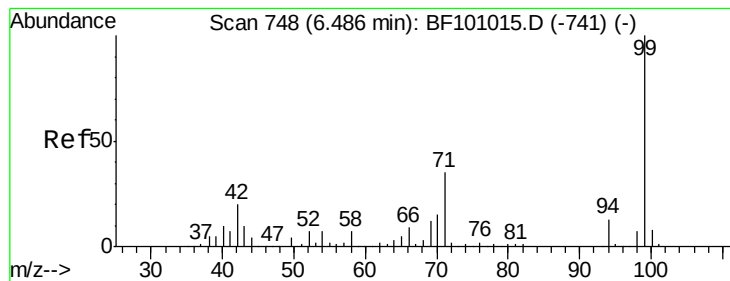


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 104.805 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

MH-1-E(0-1)

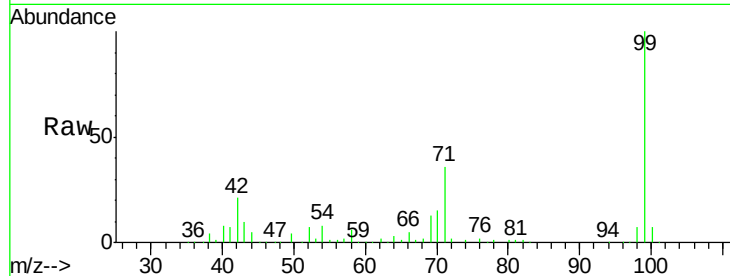
Tot Ion: 99 Resp: 398932

Ion Ratio Lower Upper

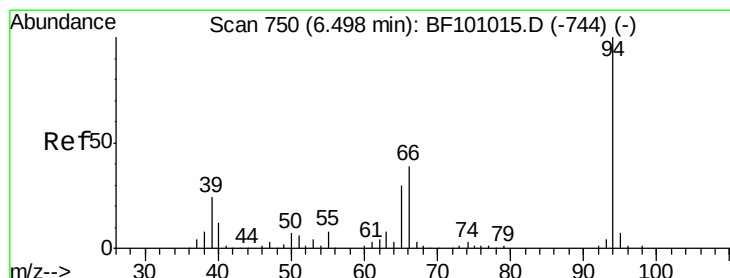
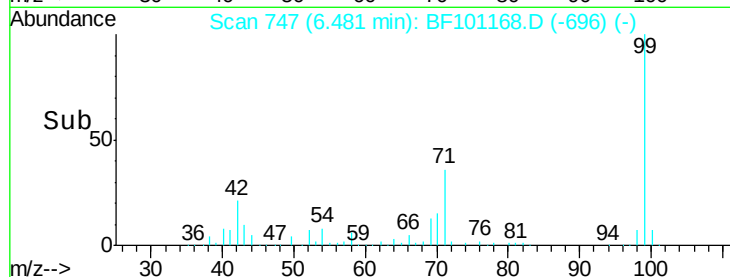
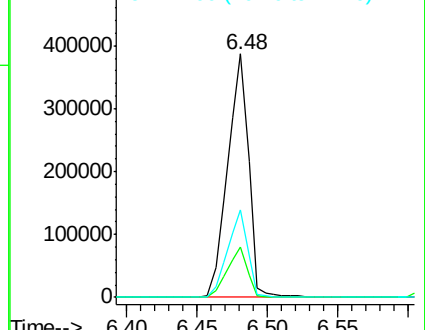
99 100

42 20.6 14.5 21.7

71 35.7 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: 2.263 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

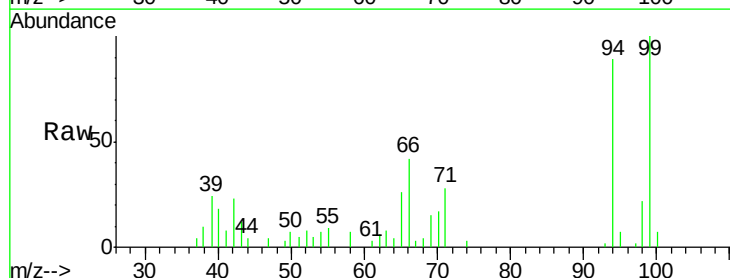
Tgt Ion: 94 Resp: 9578

Ion Ratio Lower Upper

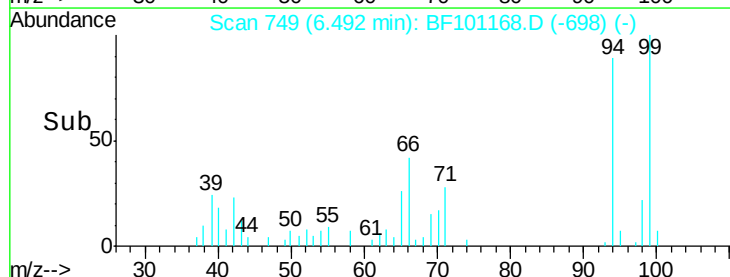
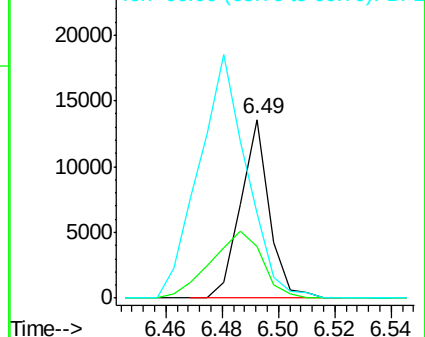
94 100

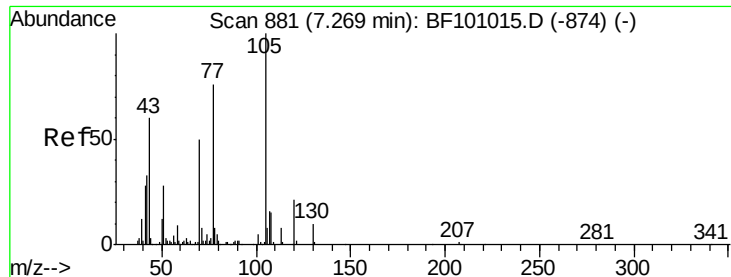
65 28.7 7.9 47.9

66 47.5 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

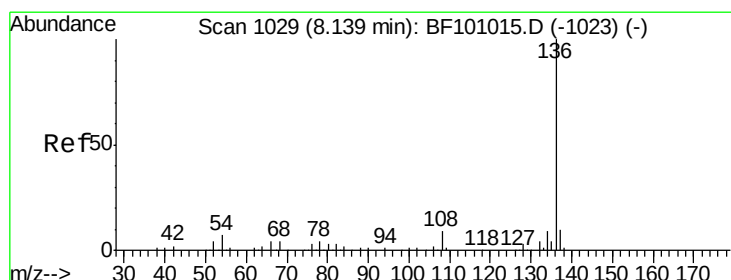
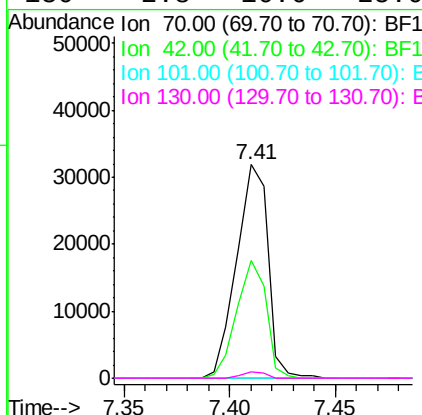
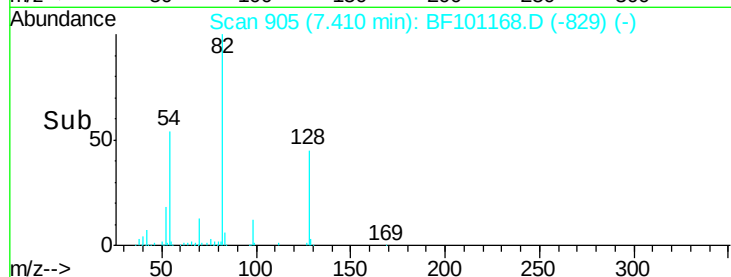
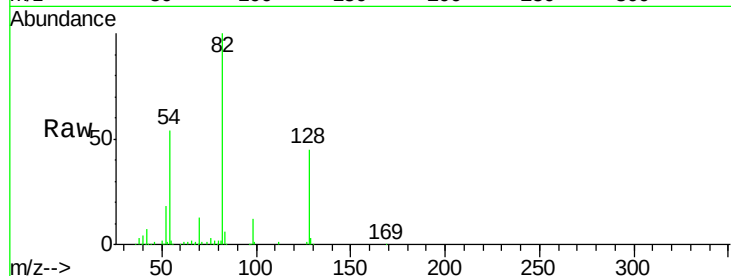




#19
n-Nitroso-di-n-propylamine
Concen: 12.812 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

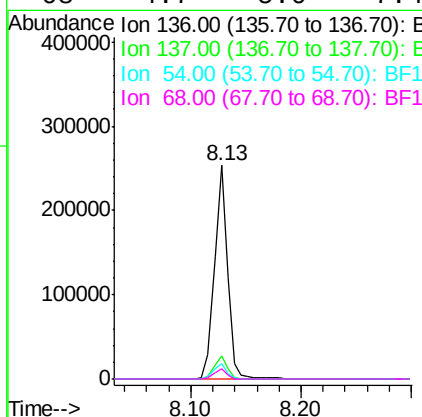
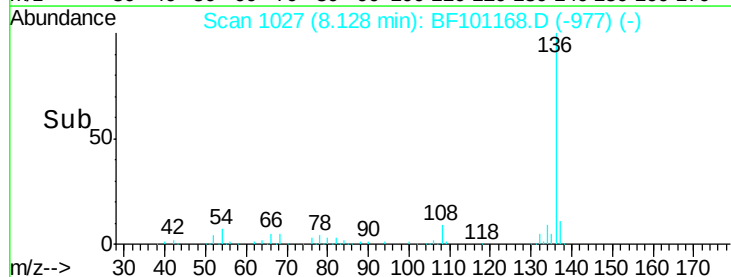
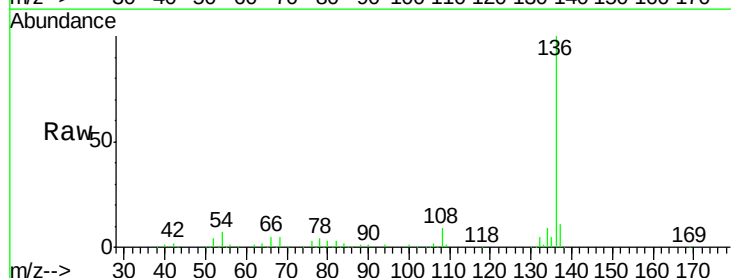
Instrument :
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MH-1-E(0-1)

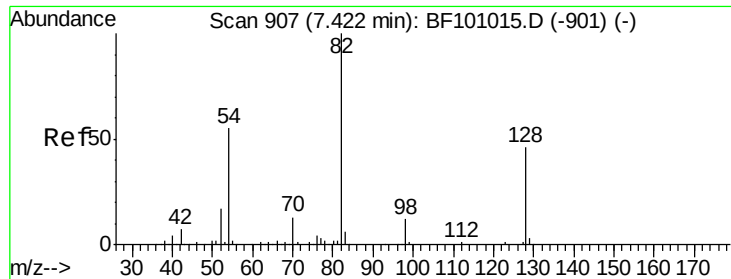
Tot Ion: 70 Resp: 32843
Ion Ratio Lower Upper
70 100
42 55.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion: 136 Resp: 207551
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.3 6.6 9.8
68 4.7 5.0 7.4#

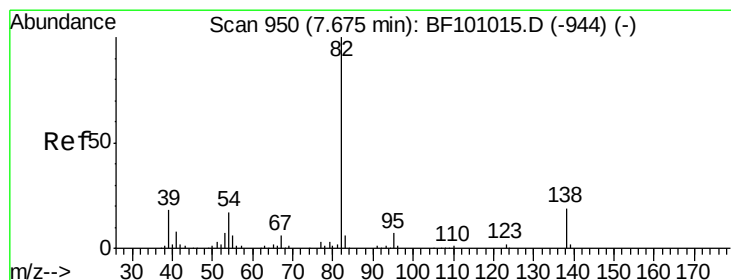
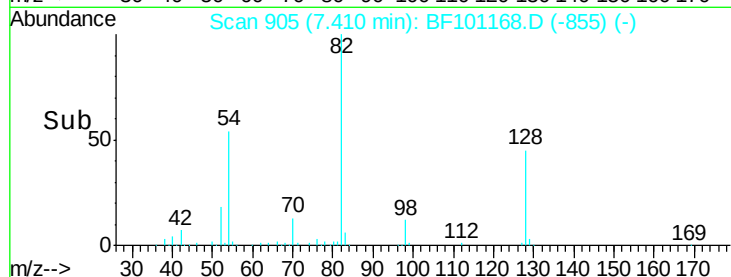
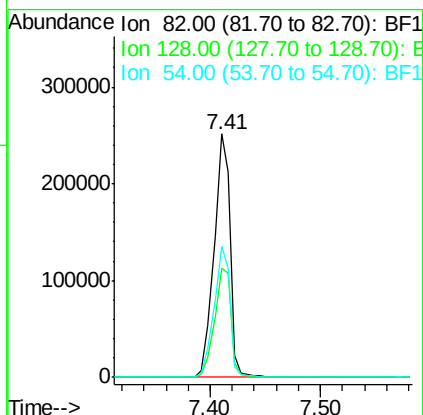
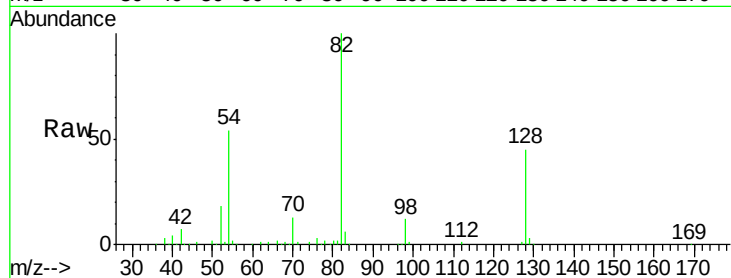




#23
Nitrobenzene-d5
Concen: 72.247 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

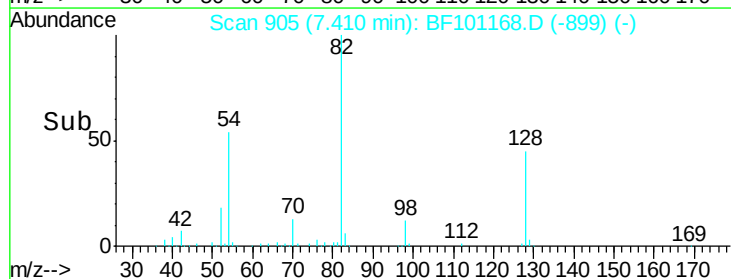
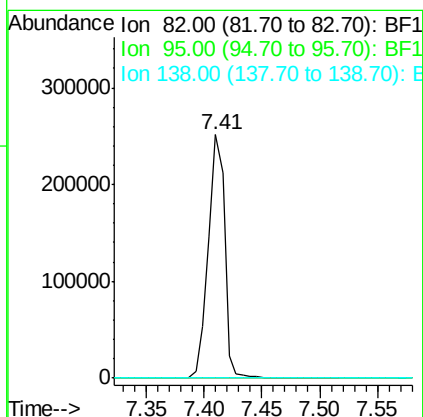
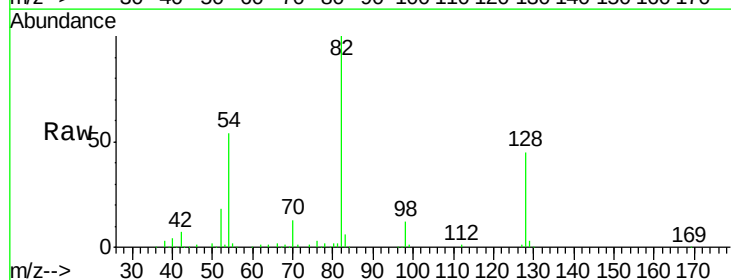
Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

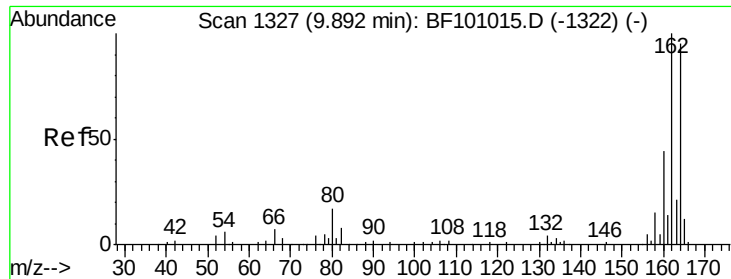
Tot Ion: 82 Resp: 251368
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 53.7 41.4 62.2



#25
Isophorone
Concen: 42.296 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion: 82 Resp: 251365
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

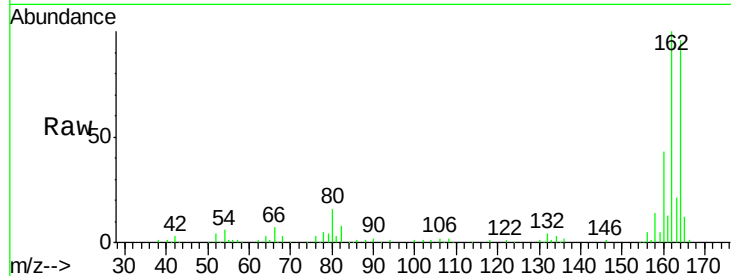




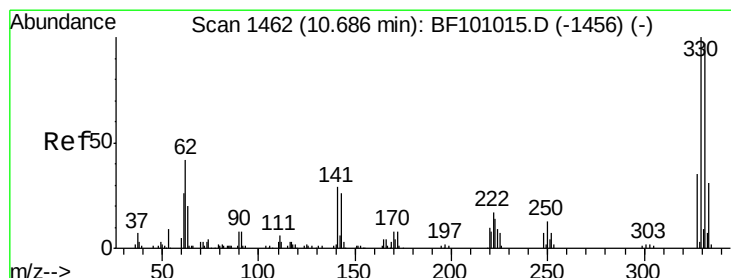
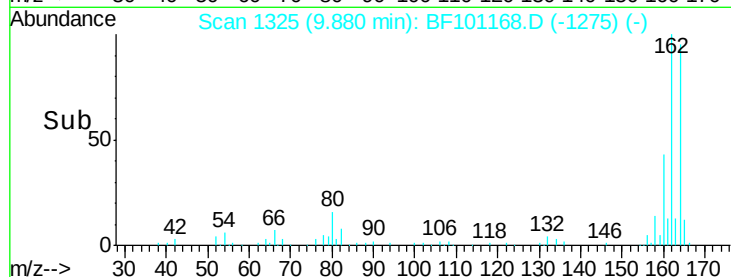
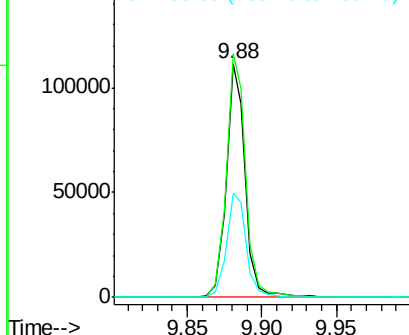
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

Tot Ion:164 Resp: 100022
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 44.3 38.3 57.5

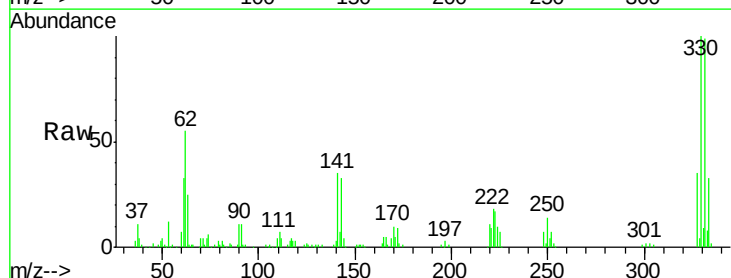


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

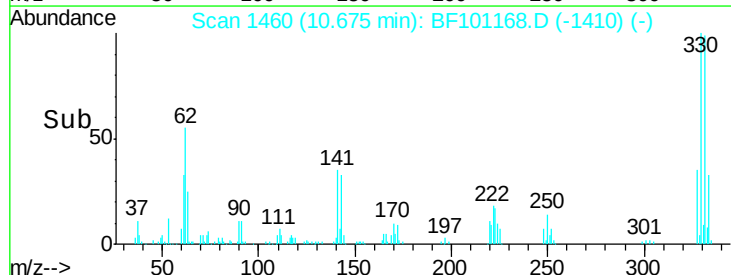
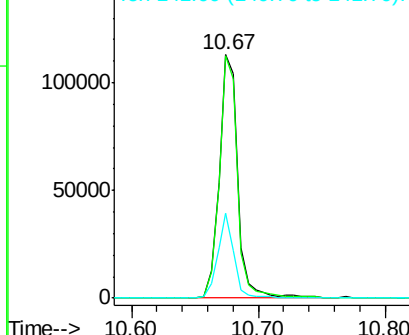


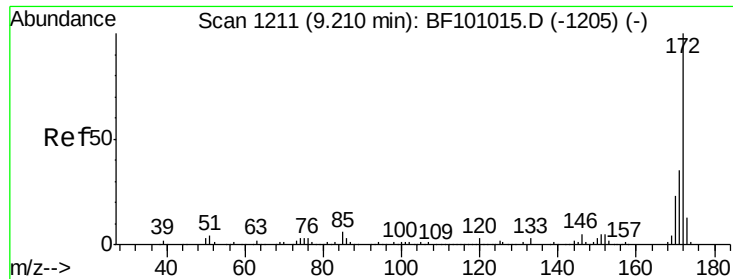
#41
2,4,6-Tribromophenol
Concen: 96.363 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion:330 Resp: 115785
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 30.9 29.9 44.9



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

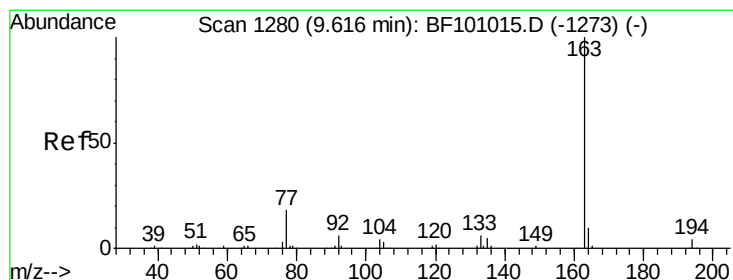
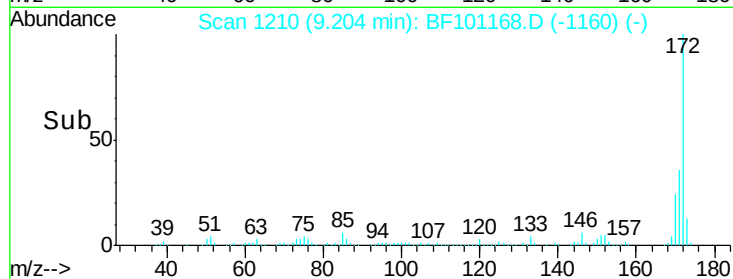
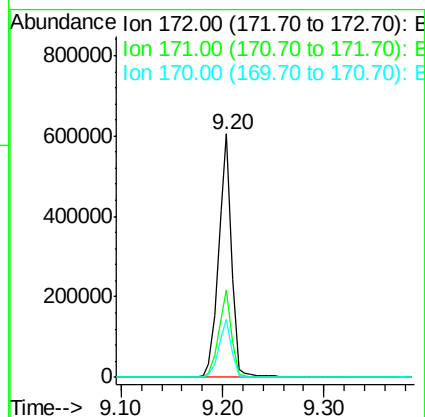
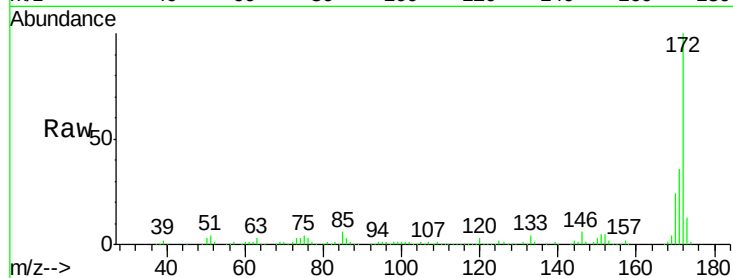




#44
2-Fluorobiphenyl
Concen: 73.273 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

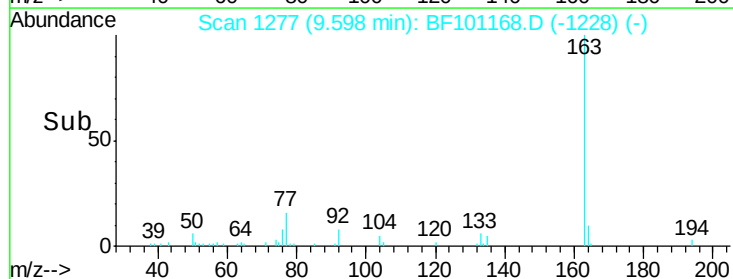
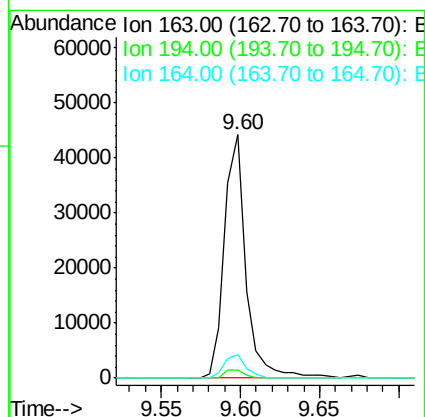
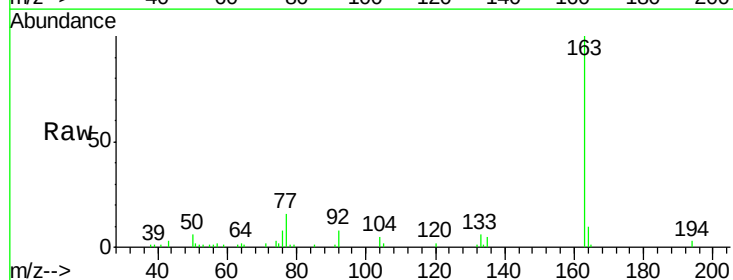
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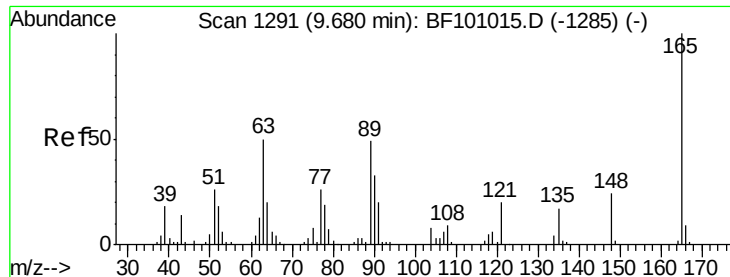
Tot Ion:172 Resp: 535662
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 5.161 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion:163 Resp: 41629
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.8 8.2 12.2

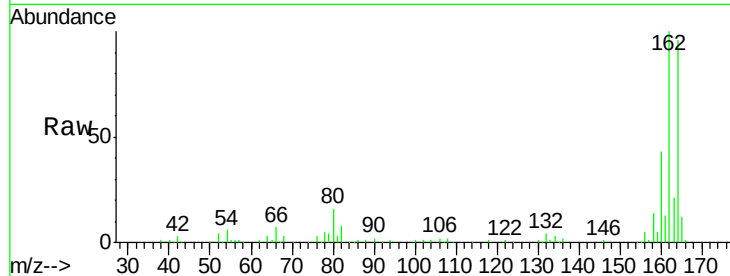




#50
 2,6-Dinitrotoluene
 Concen: 7.193 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101168.D
 Acq: 6 Dec 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 MH-1-E(0-1)

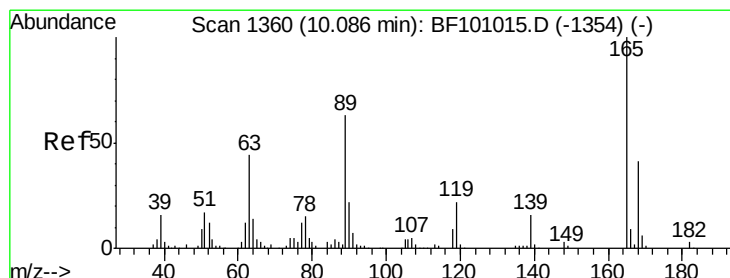
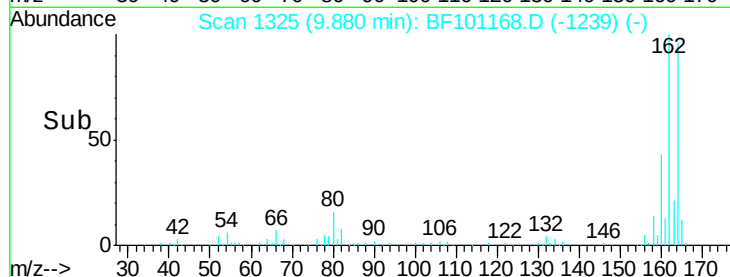
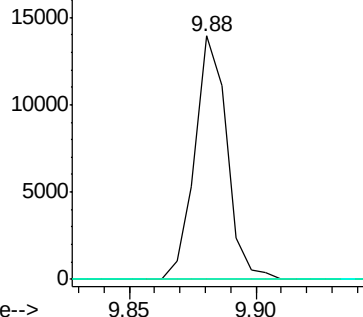
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

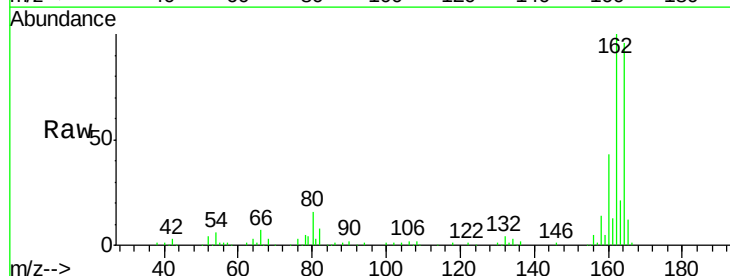
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.367 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101168.D
 Acq: 6 Dec 2017 15:31

Tgt 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#

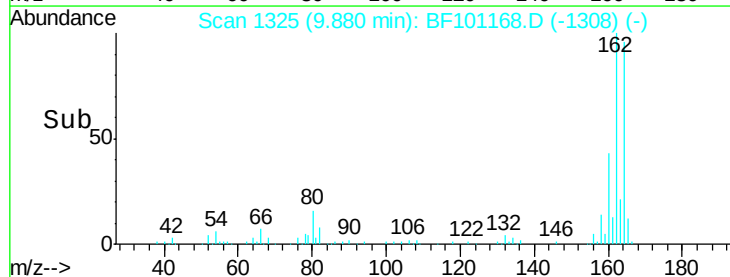
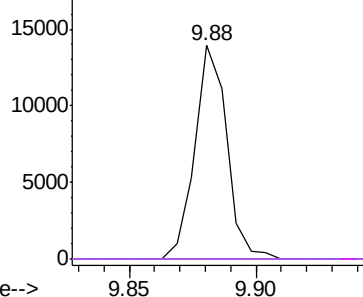


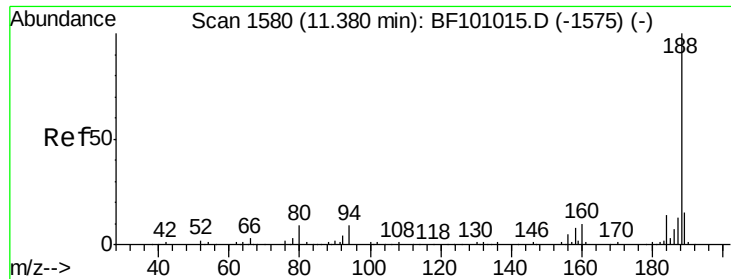
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

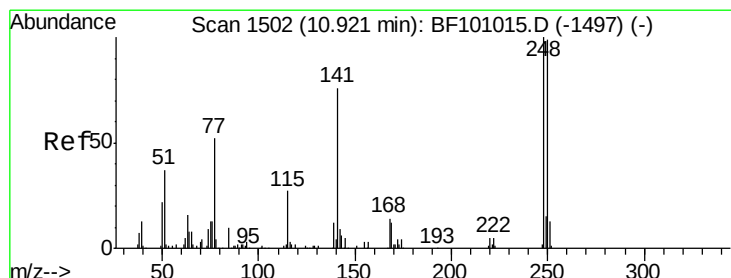
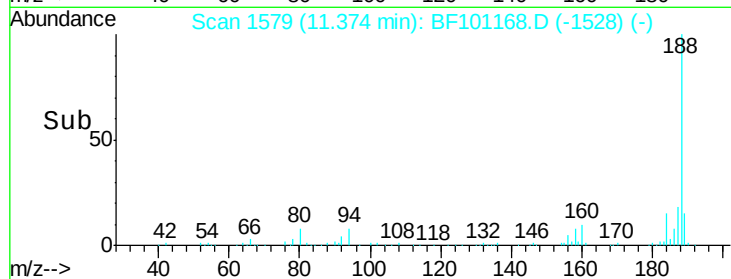
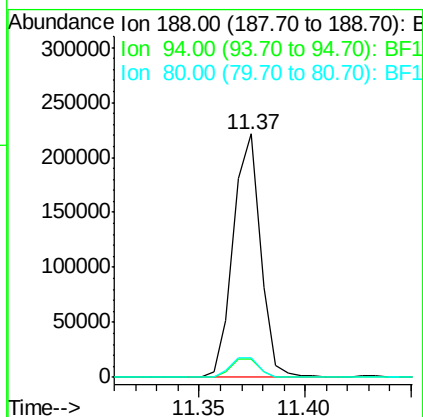
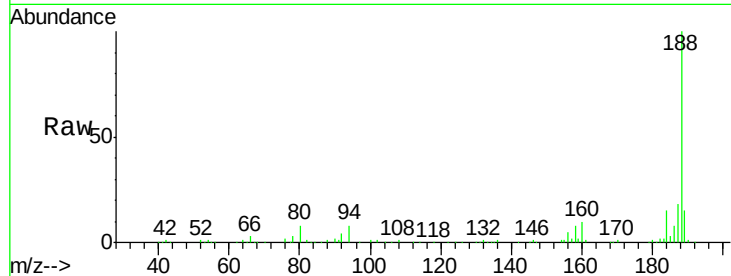




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

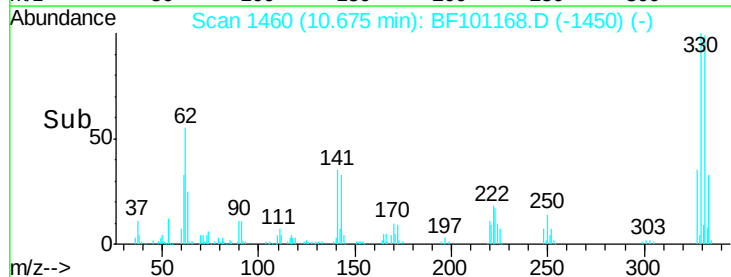
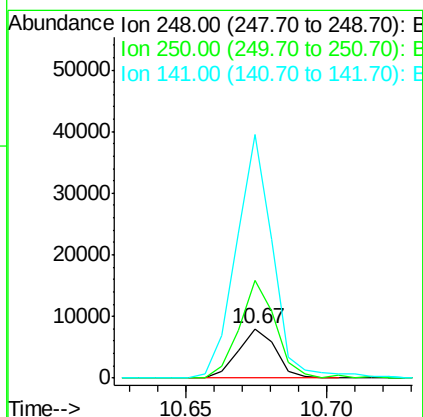
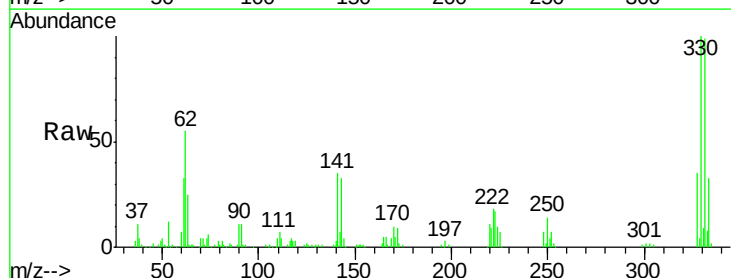
Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

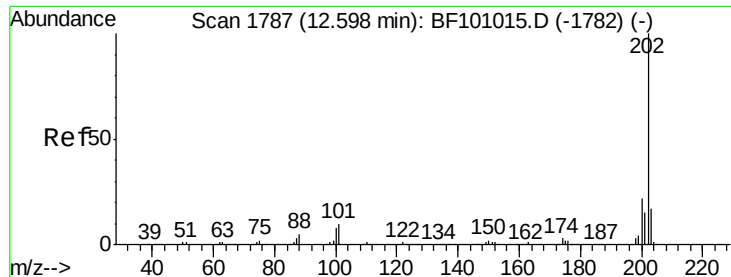
Tot Ion:188 Resp: 197702
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.2 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.315 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion:248 Resp: 7335
Ion Ratio Lower Upper
248 100
250 198.6 76.9 115.3#
141 492.2 74.4 111.6#





#74

Fluoranthene

Concen: 5.183 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

MH-1-E(0-1)

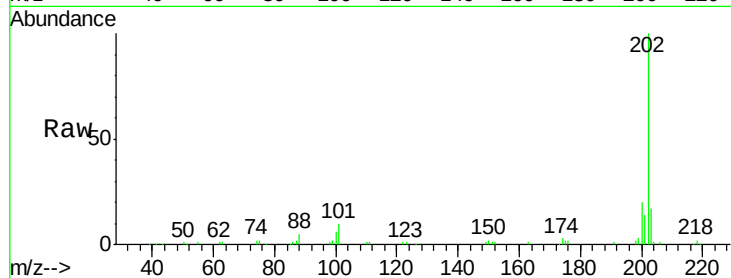
Tot Ion:202 Resp: 62550

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

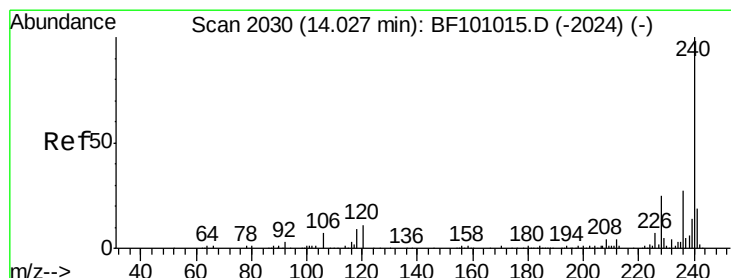
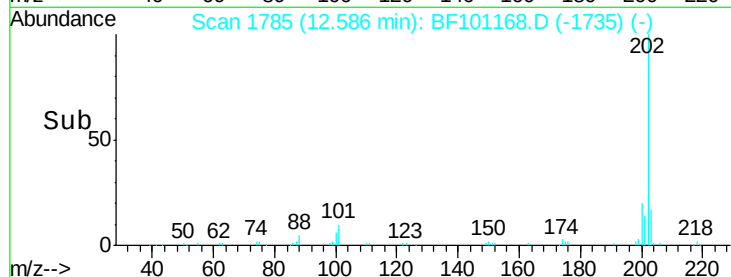
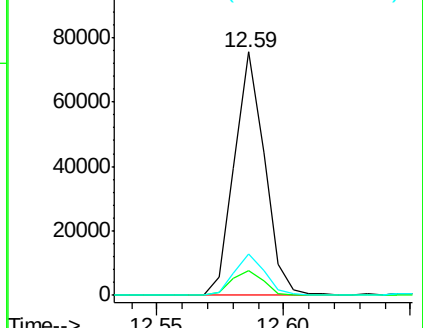
203 16.7 0.0 38.1



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

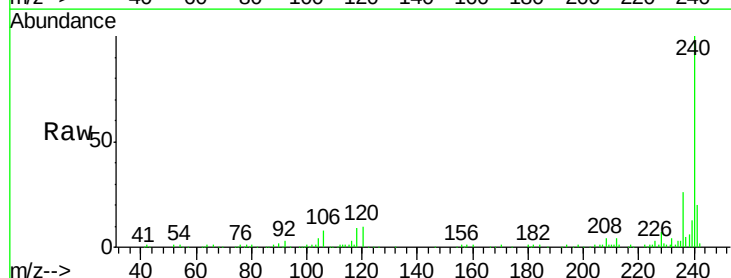
Tgt Ion:240 Resp: 148340

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

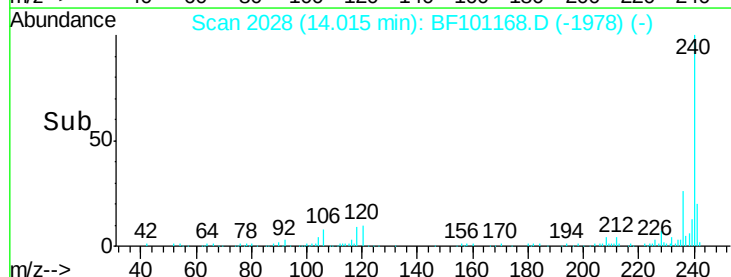
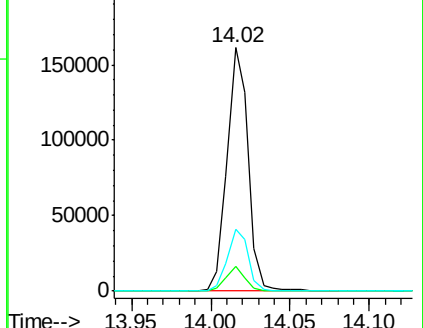
236 25.5 20.7 31.1

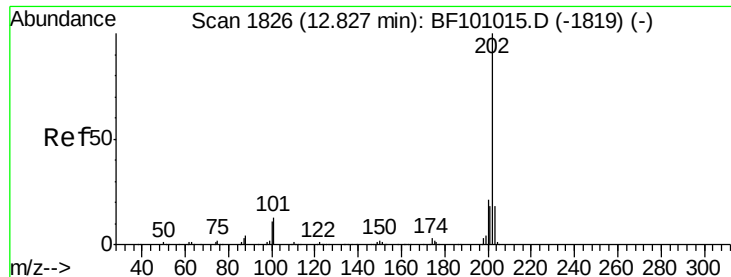


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.147 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

MH-1-E(0-1)

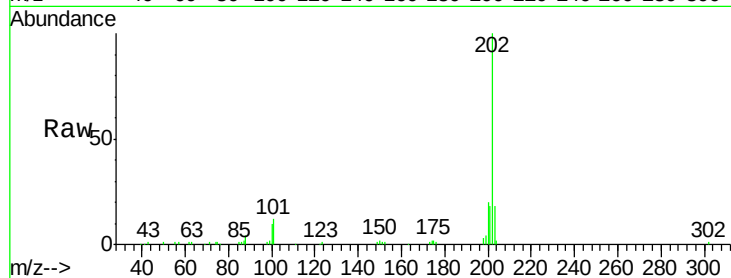
Tot Ion:202 Resp: 62922

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

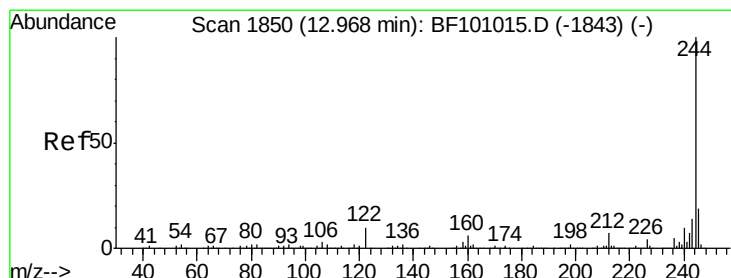
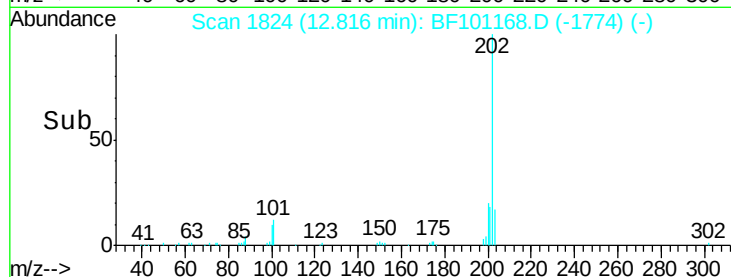
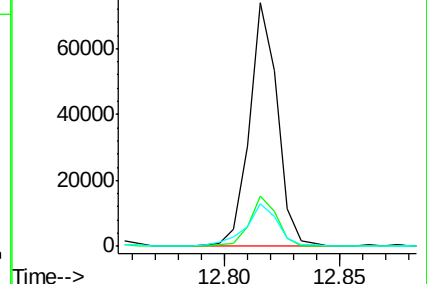
203 17.8 14.3 21.5



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: 82.200 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

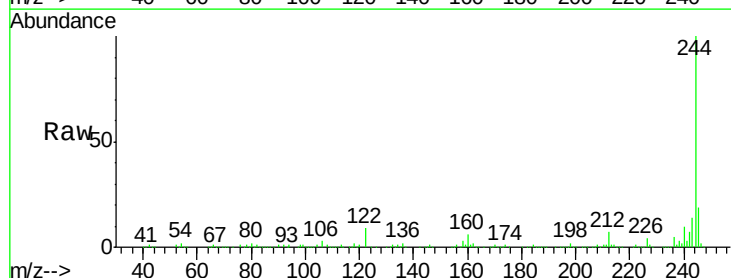
Tgt Ion:244 Resp: 557479

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

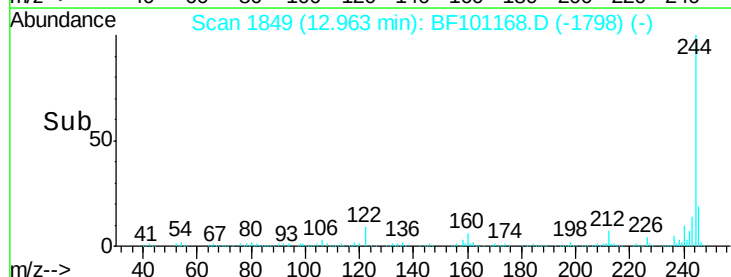
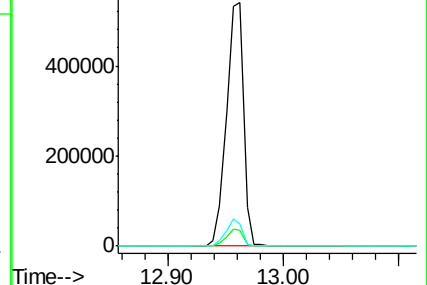
122 9.1 11.0 16.4#

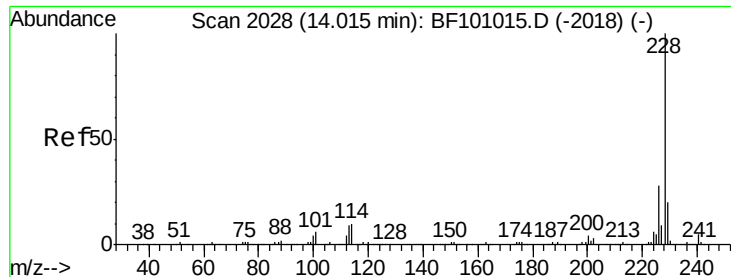


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

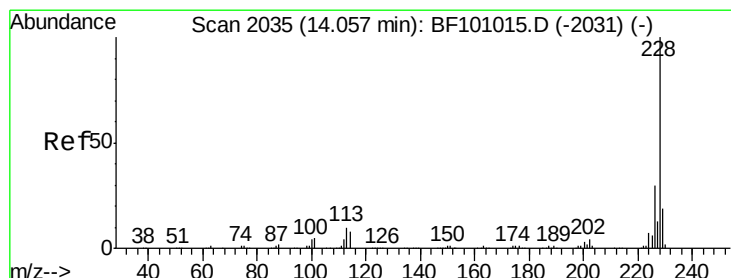
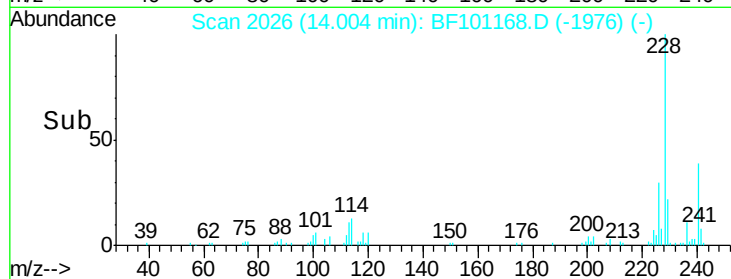
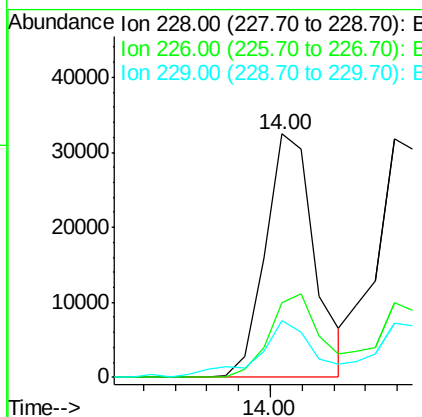
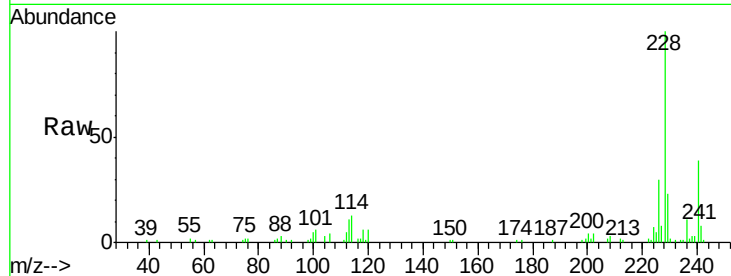




#80
Benzo(a)anthracene
Concen: 3.734 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

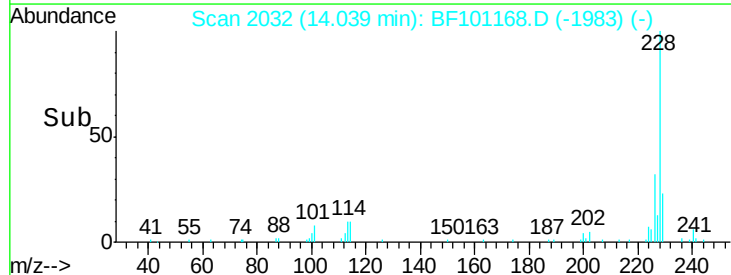
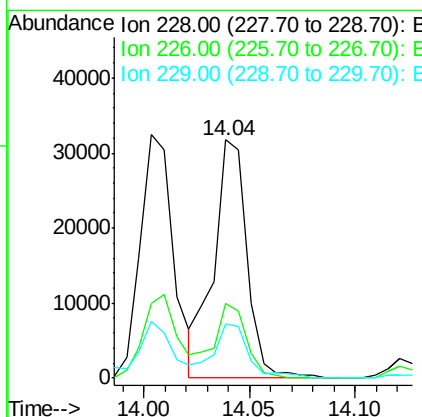
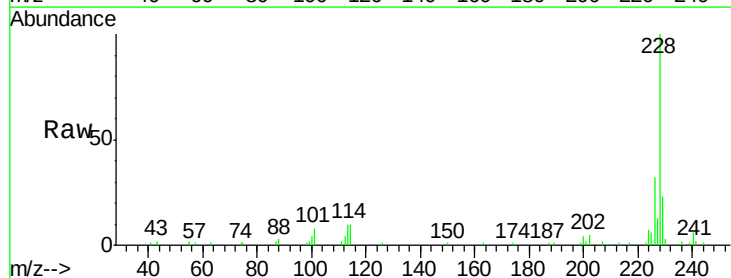
Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

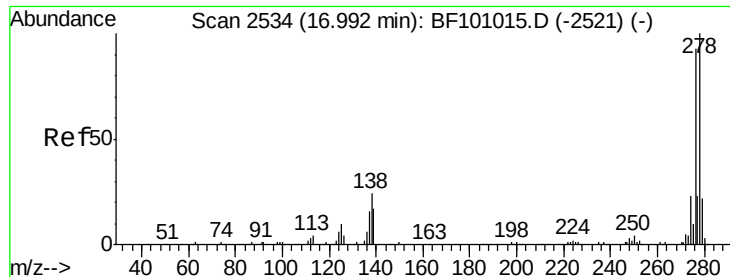
Tot Ion:228 Resp: 34972
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 23.3 15.8 23.6



#82
Chrysene
Concen: 4.004 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion:228 Resp: 34832
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.5 16.2 24.4

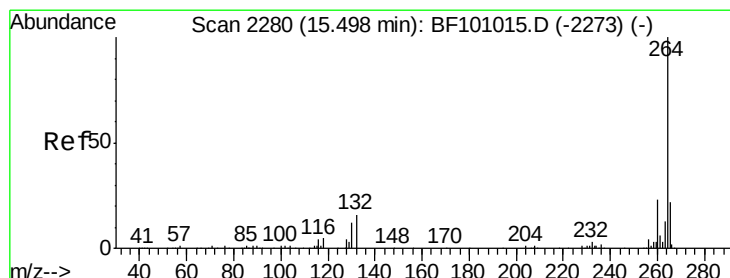
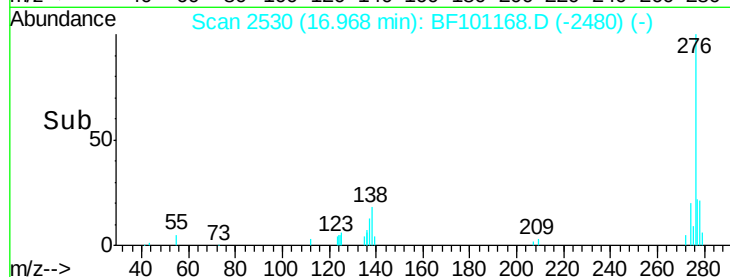
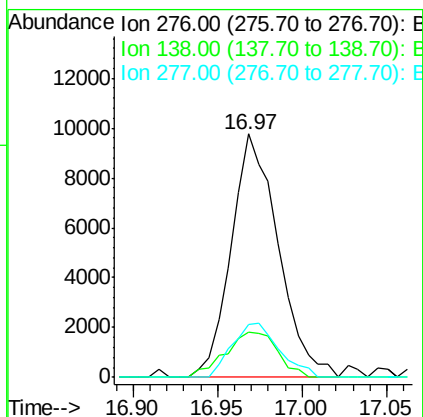
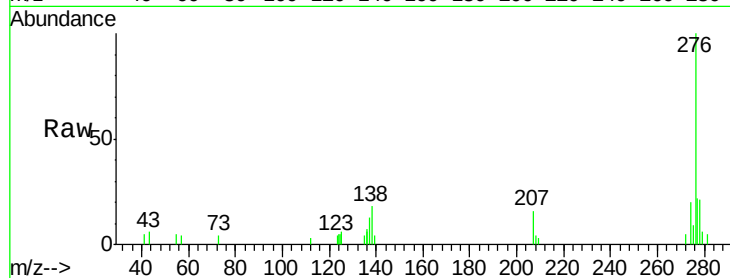




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.447 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

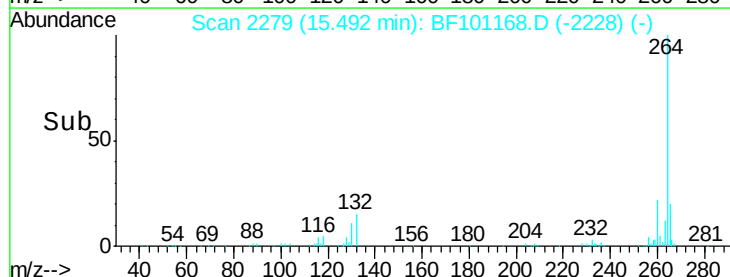
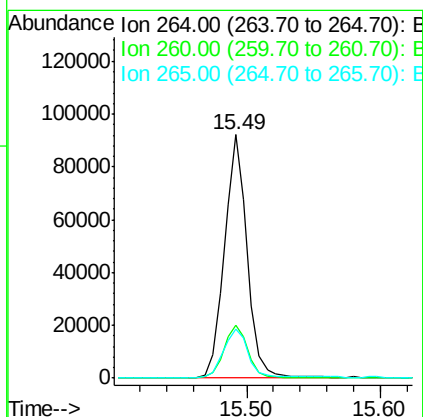
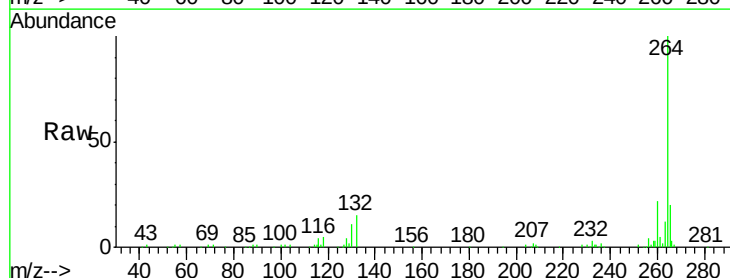
Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

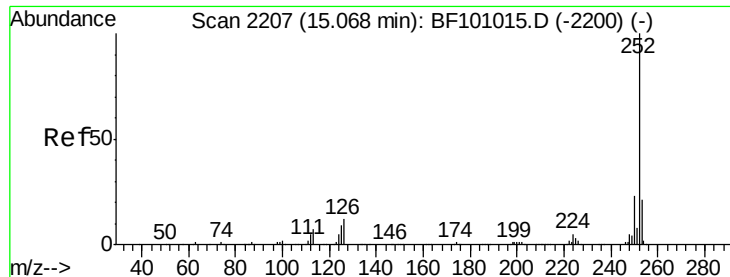
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	25.0	37.6#
277	22.2	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.2	28.8
265	20.3	17.5	26.3

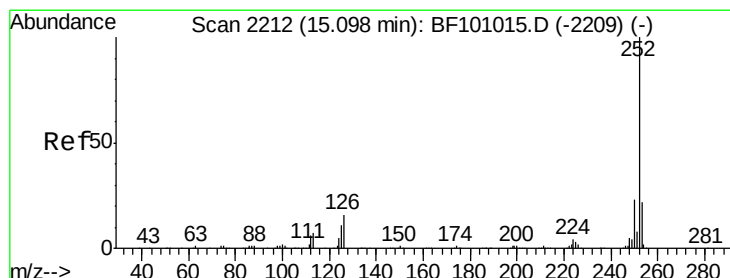
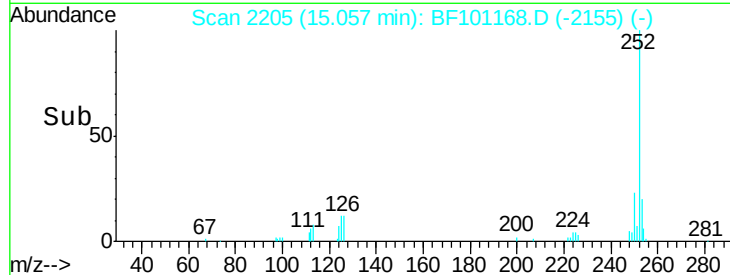
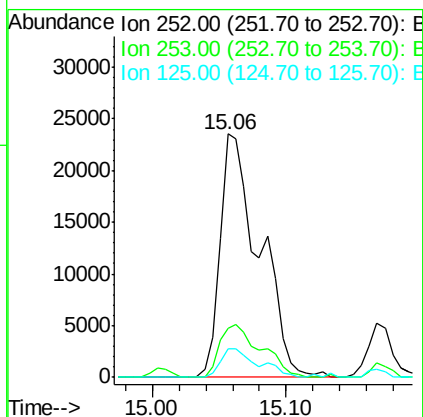
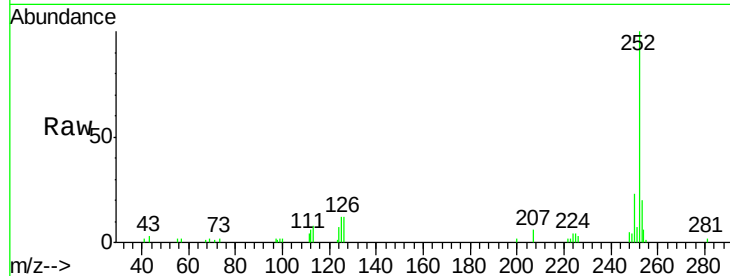




#87
Benzo(b)fluoranthene
Concen: 7.312 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

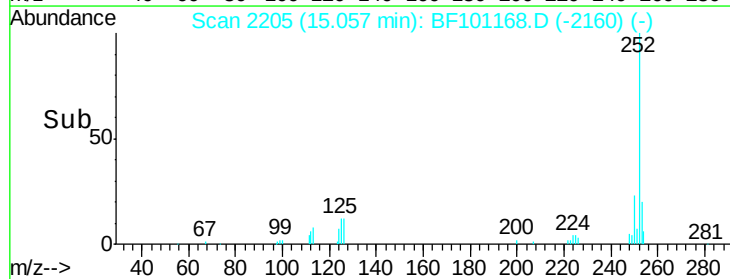
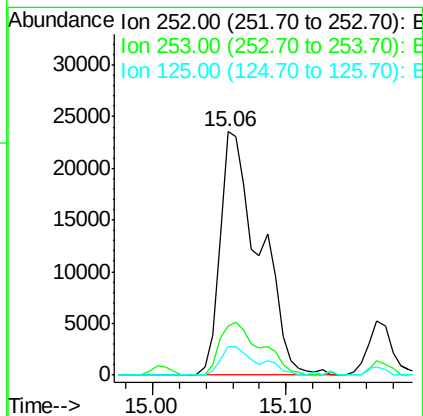
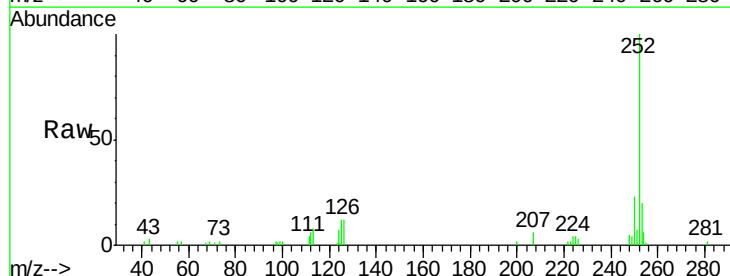
Instrument :
BNA_F
ClientSampleId :
MH-1-E(0-1)

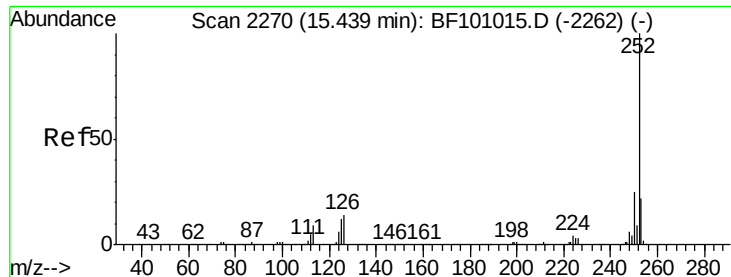
Tot Ion:252 Resp: 48444
Ion Ratio Lower Upper
252 100
253 20.2 17.0 25.6
125 11.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 7.421 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF101168.D
Acq: 6 Dec 2017 15:31

Tgt Ion:252 Resp: 48444
Ion Ratio Lower Upper
252 100
253 20.2 17.9 26.9
125 11.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.833 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.07 min

Lab File: BF101168.D

Acq: 6 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

MH-1-E(0-1)

Tot Ion:252 Resp: 17064

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 14.3 9.8 14.6

