

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101167.D
 Acq On : 6 Dec 2017 15:04
 Operator : SJ/JU
 Sample : I6702-04RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-3-E(0-1)

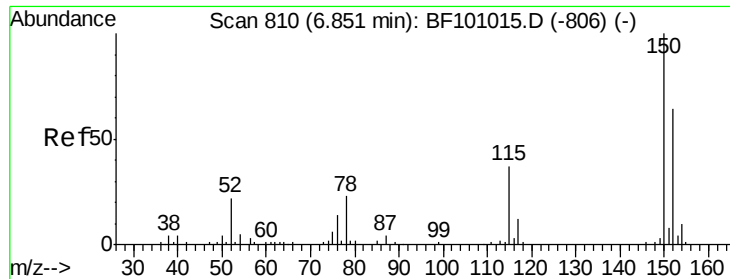
Quant Time: Dec 06 18:04:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	47074	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	185848	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	89171	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	178472	20.00	ng	0.00
75) Chrysene-d12	14.02	240	109311	20.00	ng	0.00
86) Perylene-d12	15.49	264	98879	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	316949	111.26	ng	0.00
7) Phenol-d6	6.48	99	376061	108.73	ng	0.00
23) Nitrobenzene-d5	7.41	82	237817	76.33	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	108455	101.25	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	511872	78.54	ng	0.00
78) Terphenyl-d14	12.96	244	479705	95.99	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.49	94	12006	3.122	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	31236	13.410	ng	# 83
25) Isophorone	7.41	82	237814	44.689	ng	# 64
49) Dimethylphthalate	9.59	163	38318	5.328	ng	# 97
50) 2,6-Dinitrotoluene	9.88	165	11457	7.564	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	11457	5.644	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	6825	3.416	ng	# 1
70) Phenanthrene	11.40	178	23919	2.434	ng	98
74) Fluoranthene	12.59	202	71025	6.519	ng	94
77) Pyrene	12.82	202	76259	10.110	ng	97
80) Benzo(a)anthracene	14.00	228	31326	4.539	ng	95
82) Chrysene	14.04	228	30511	4.760	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	22267	3.907	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	43716	7.381	ng	98
88) Benzo(k)fluoranthene	15.06	252	43716	7.492	ng	95
89) Benzo(a)pyrene	15.43	252	25771	4.786	ng	98
91) Benzo(a,h,i)perylene	17.42	276	22341	4.994	ng	# 88

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

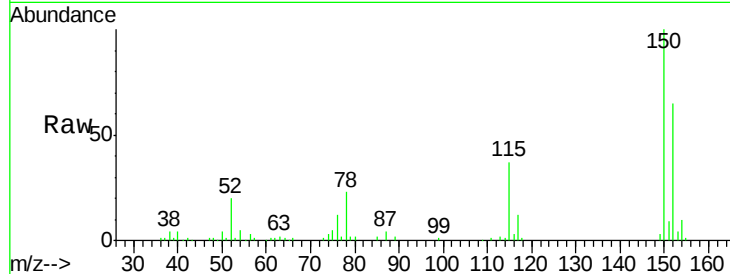


#1

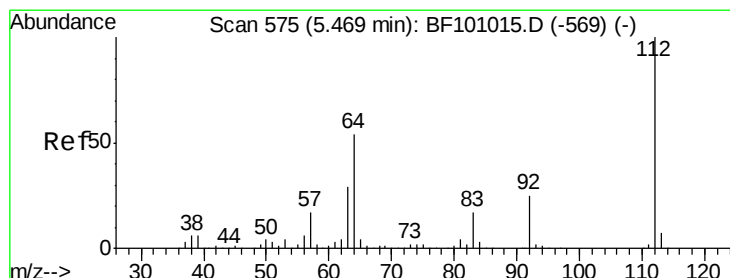
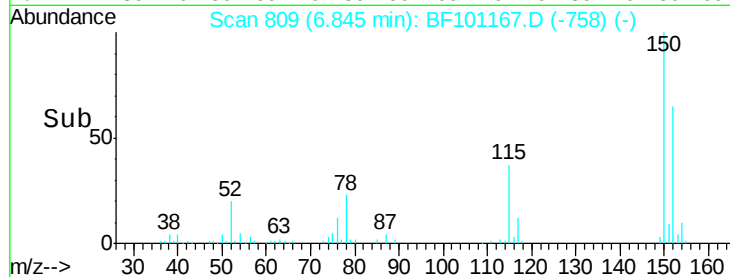
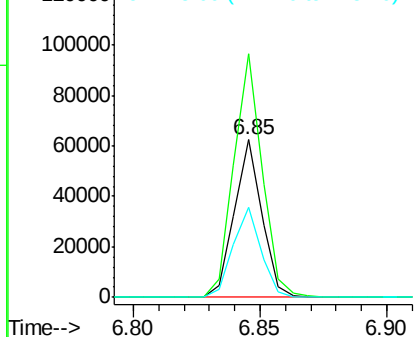
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion:152 Resp: 47074
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 57.2 50.1 75.1



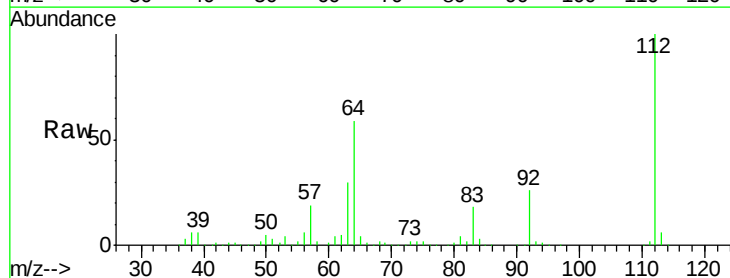
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



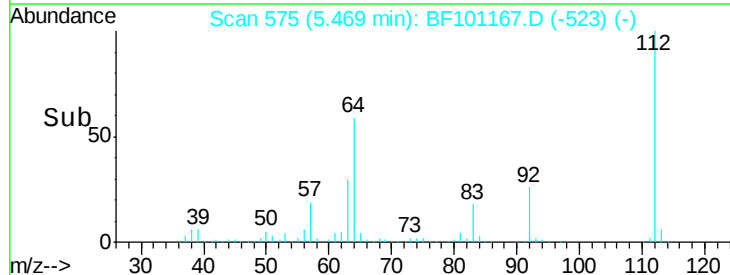
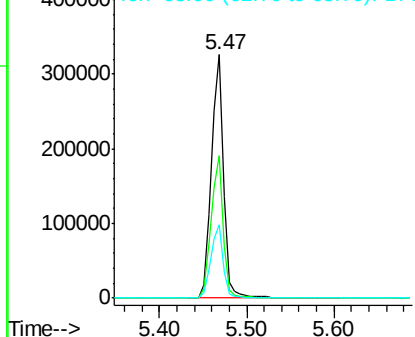
#5

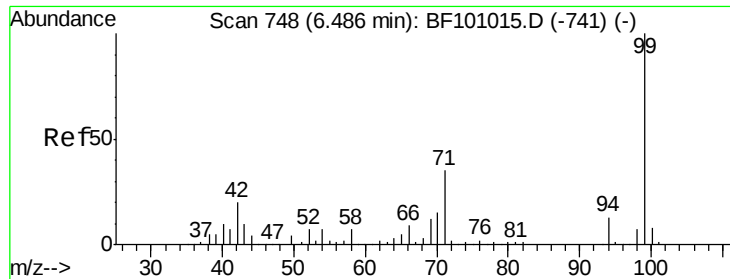
2-Fluorophenol
Concen: 111.259 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:112 Resp: 316949
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 30.4 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: 108.730 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

MH-3-E(0-1)

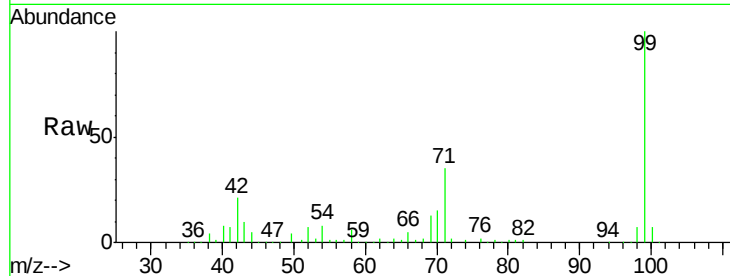
Tot Ion: 99 Resp: 376061

Ion Ratio Lower Upper

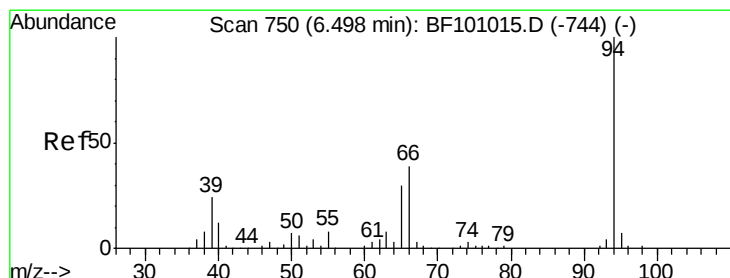
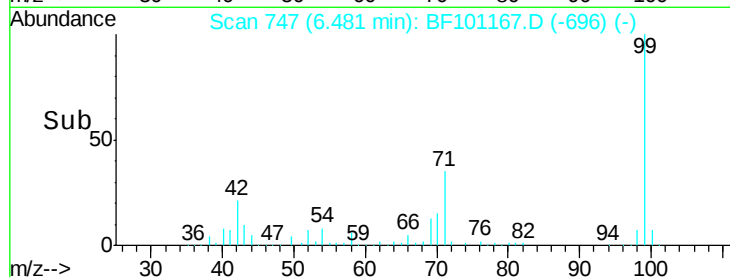
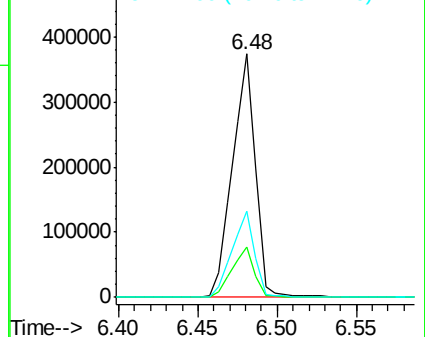
99 100

42 20.7 14.5 21.7

71 35.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.122 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

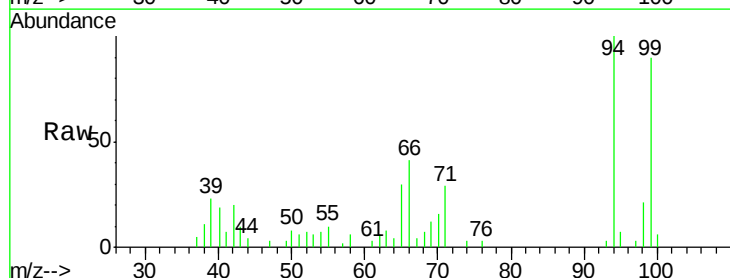
Tgt Ion: 94 Resp: 12006

Ion Ratio Lower Upper

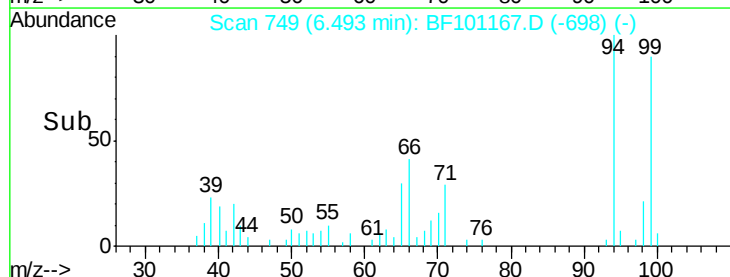
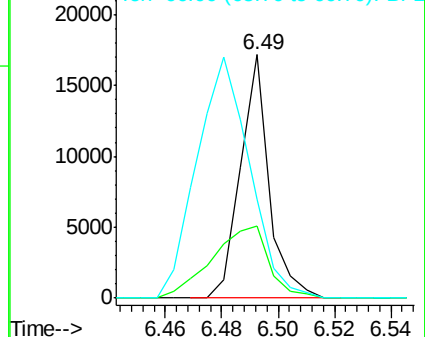
94 100

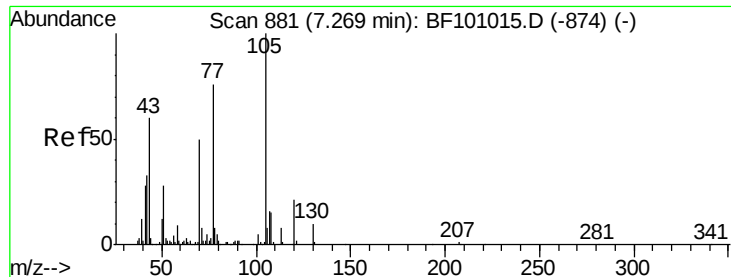
65 29.7 7.9 47.9

66 40.8 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

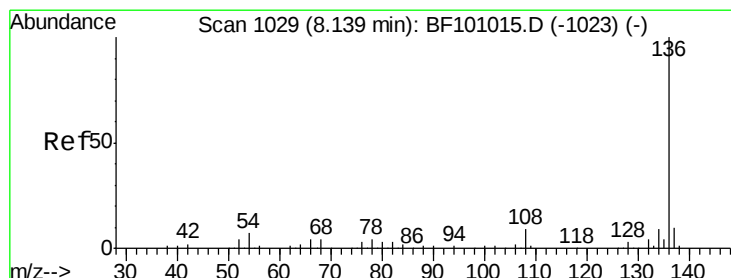
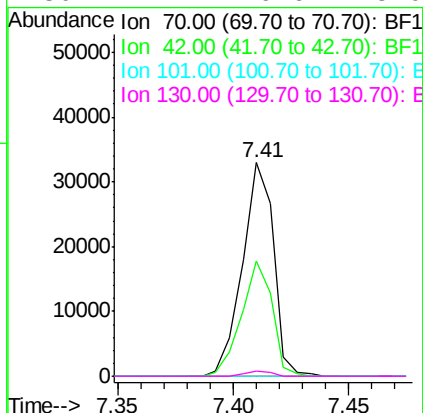
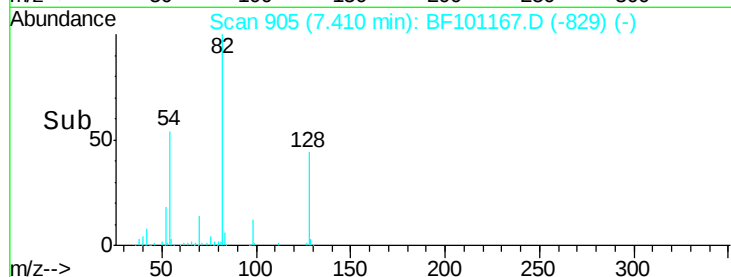
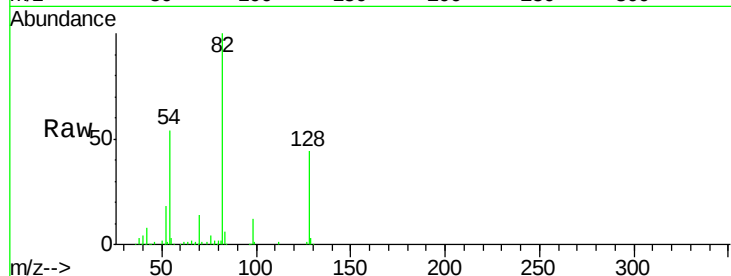




#19
n-Nitroso-di-n-propylamine
Concen: 13.410 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

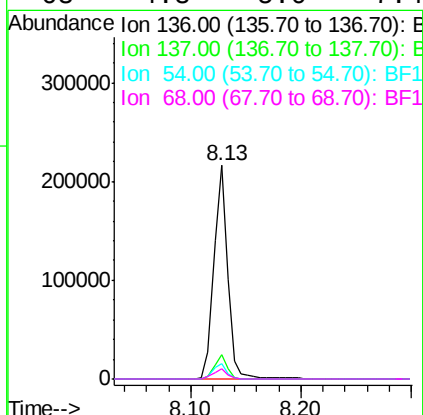
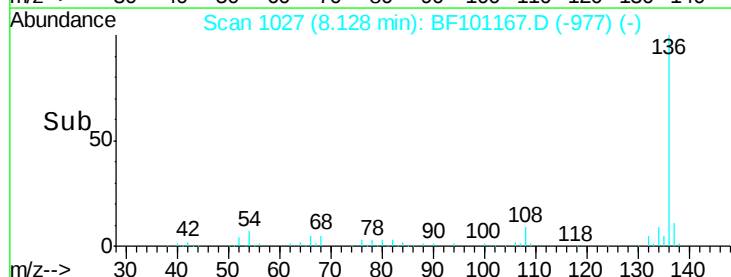
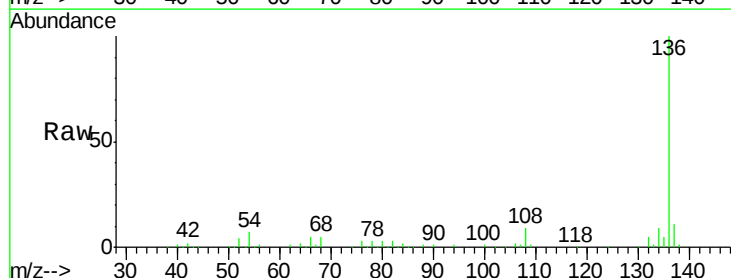
Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

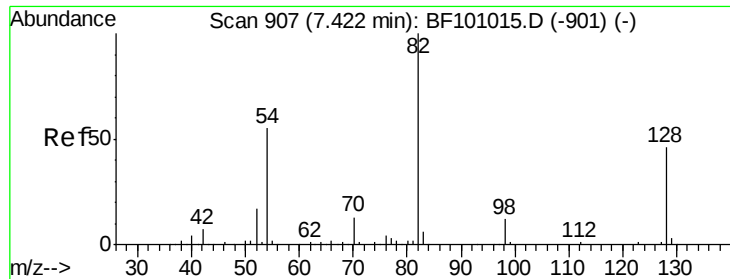
Tot Ion: 70 Resp: 31236
Ion Ratio Lower Upper
70 100
42 54.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:136 Resp: 185848
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.4 6.6 9.8
68 4.8 5.0 7.4#

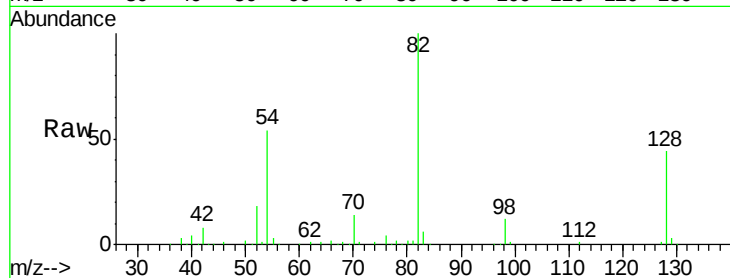




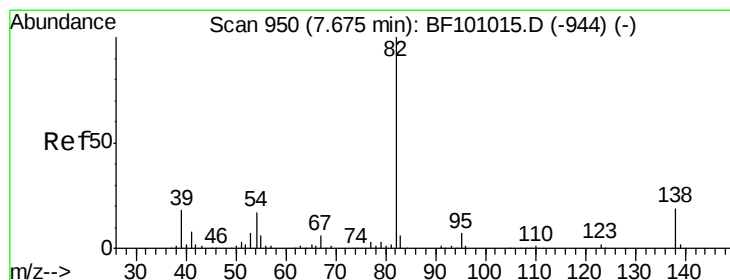
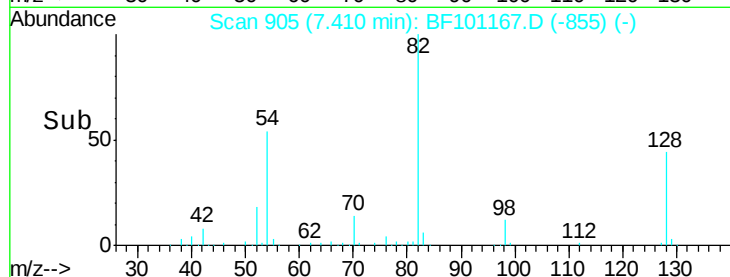
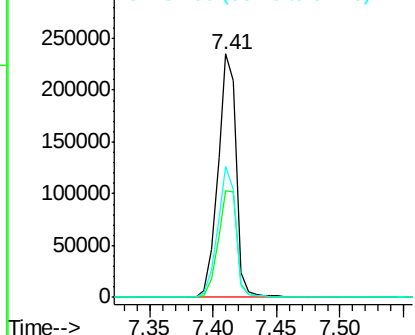
#23
 Nitrobenzene-d5
 Concen: 76.334 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 MH-3-E(0-1)

Tot Ion	82	Resp	237817
Ion Ratio	Lower	Upper	
82	100		
128	44.0	36.1	54.1
54	53.9	41.4	62.2

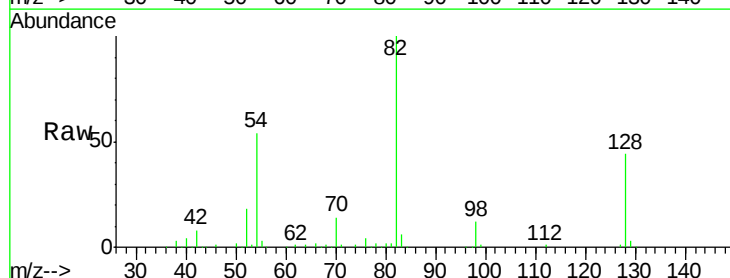


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

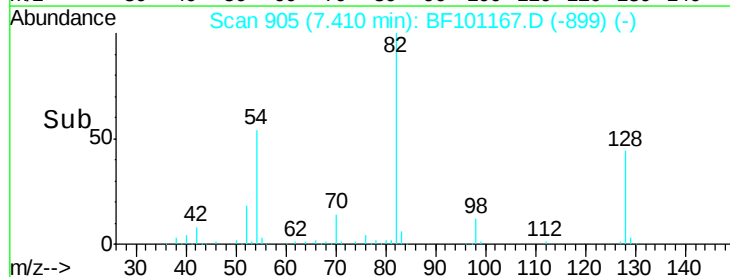
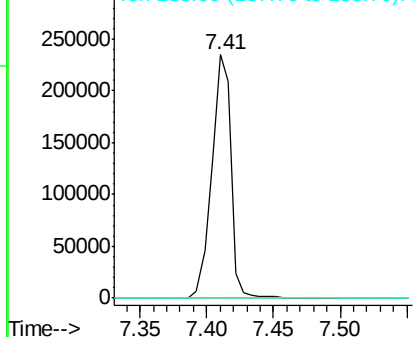


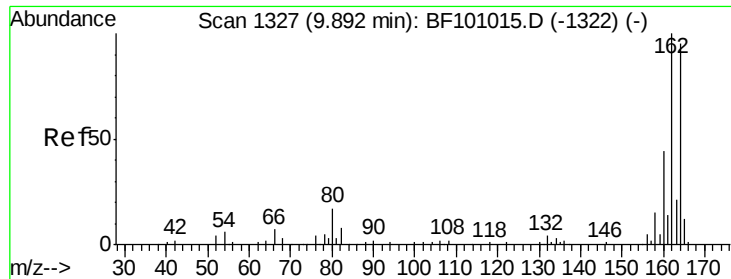
#25
 Isophorone
 Concen: 44.689 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

Tgt Ion	82	Resp	237814
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

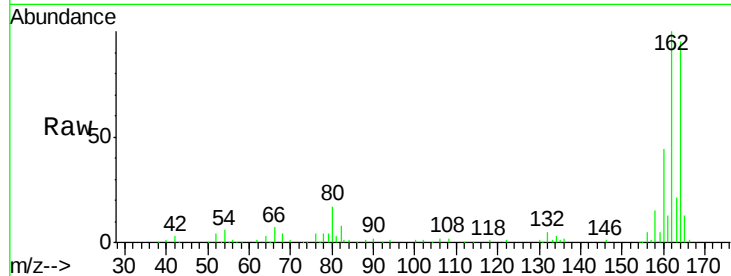




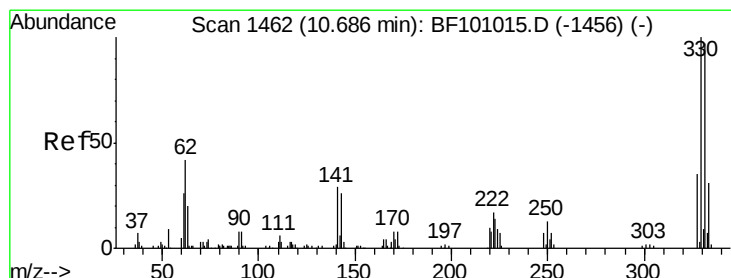
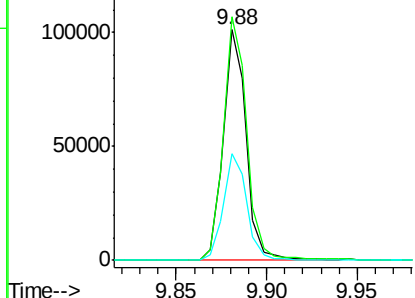
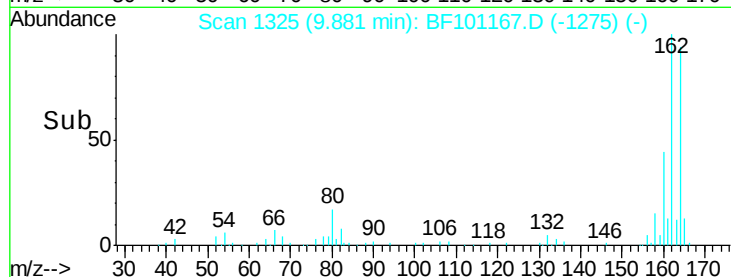
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion:164 Resp: 89171
Ion Ratio Lower Upper
164 100
162 105.7 86.1 129.1
160 46.2 38.3 57.5

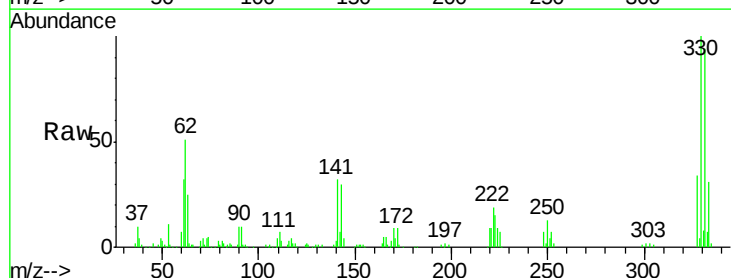


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

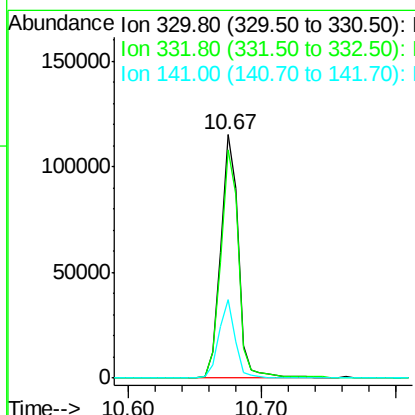
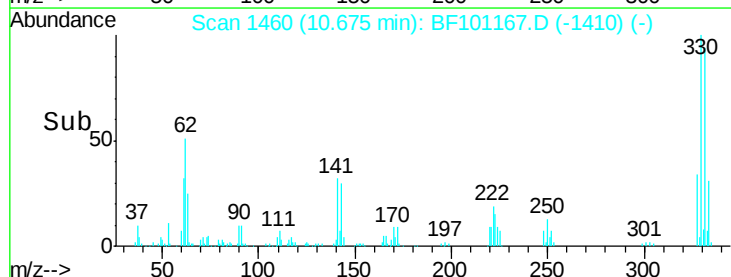


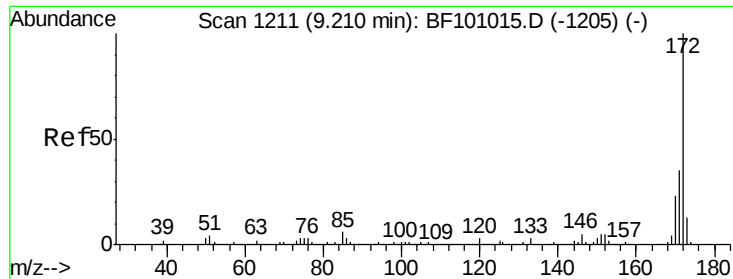
#41
2,4,6-Tribromophenol
Concen: 101.247 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:330 Resp: 108455
Ion Ratio Lower Upper
330 100
332 94.7 77.0 115.6
141 29.7 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

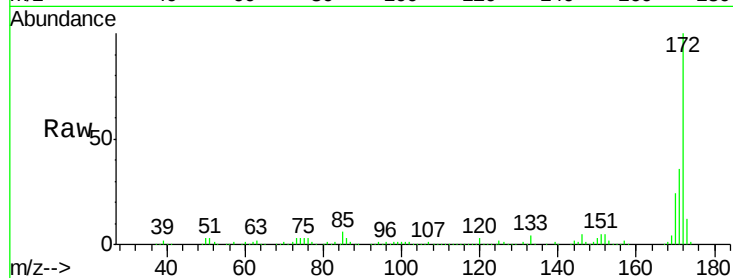




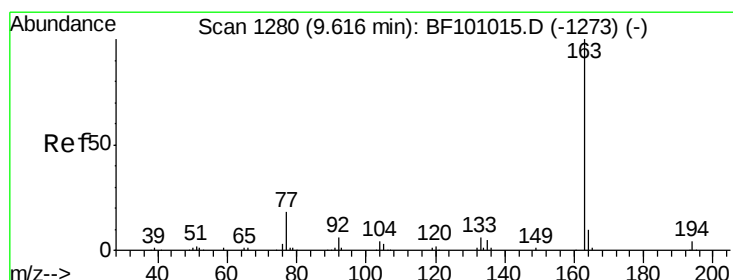
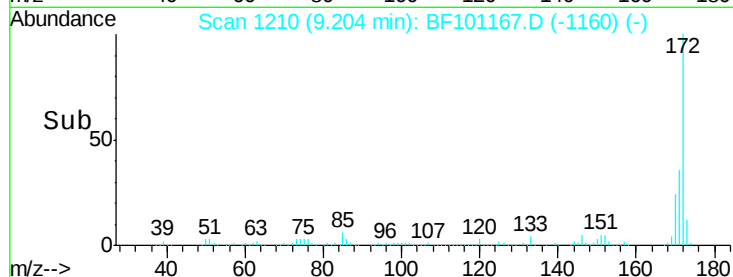
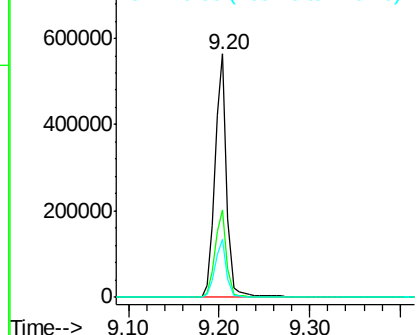
#44
2-Fluorobiphenyl
Concen: 78.539 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion:172 Resp: 511872
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.7 19.6 29.4

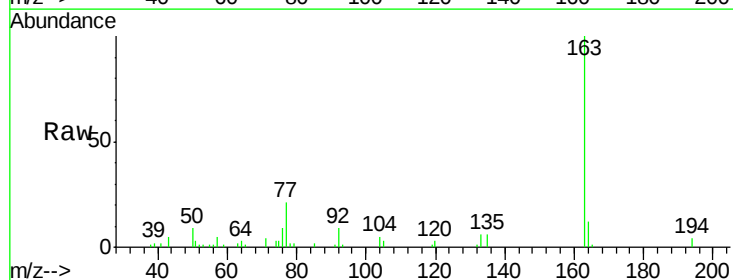


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

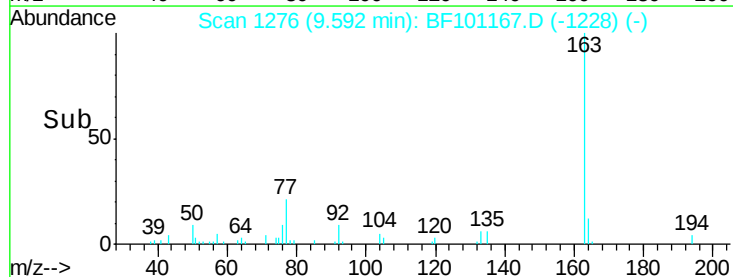
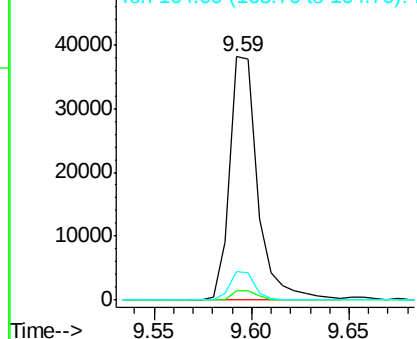


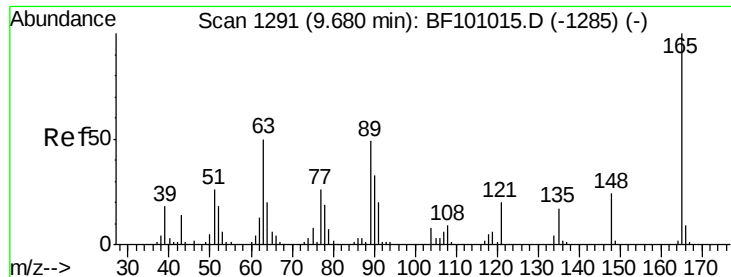
#49
Dimethylphthalate
Concen: 5.328 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:163 Resp: 38318
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 11.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

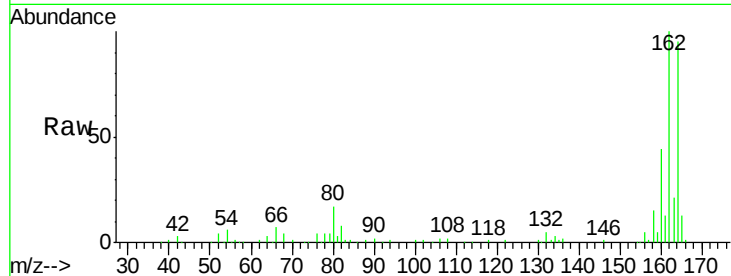




#50
 2,6-Dinitrotoluene
 Concen: 7.564 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

Instrument :
 BNA_F
 ClientSampleId :
 MH-3-E(0-1)

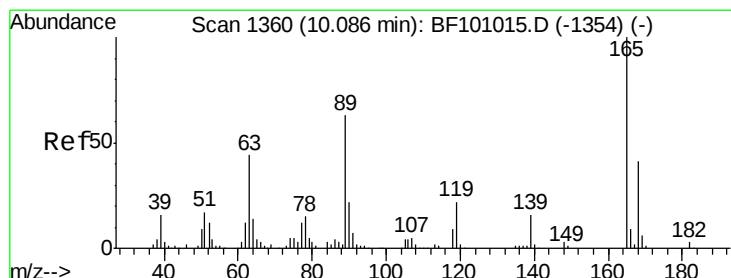
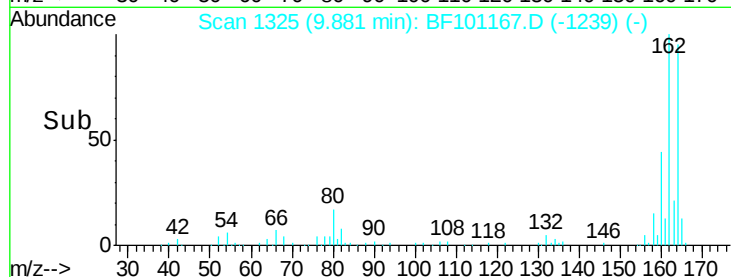
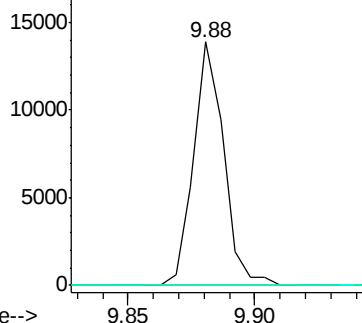
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

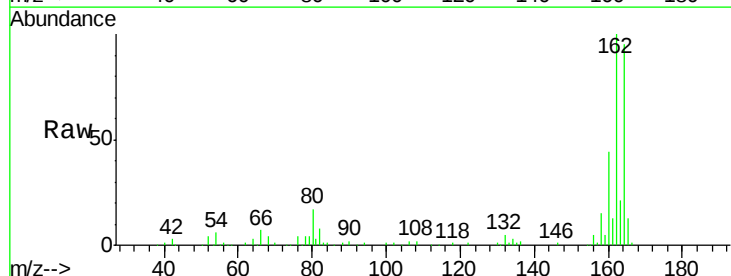
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.644 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

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#

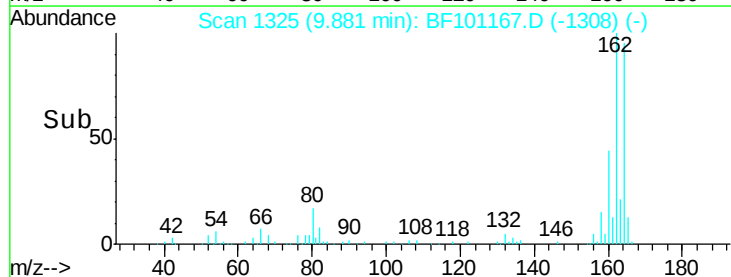
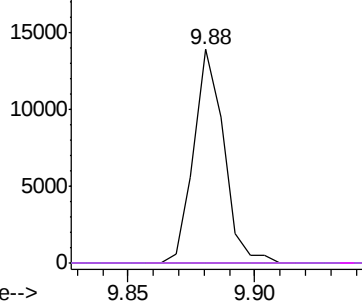


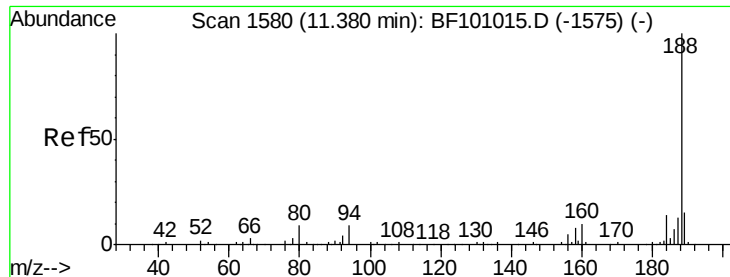
Abundance Ion 165.00 (164.70 to 165.70): E

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

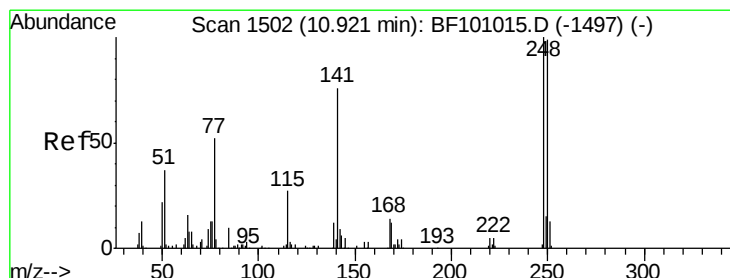
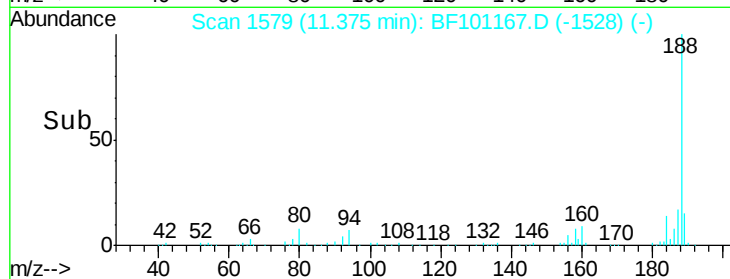
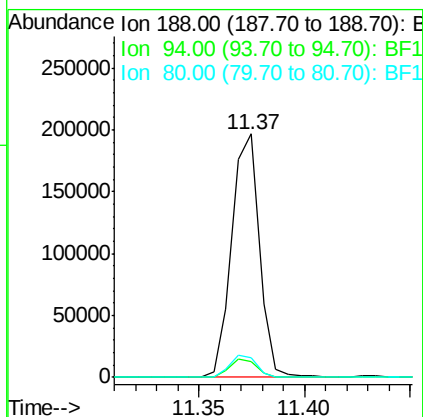
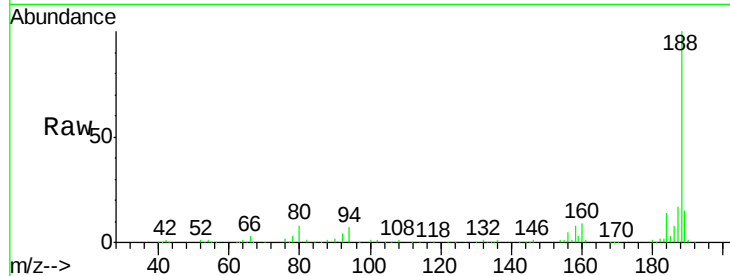




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

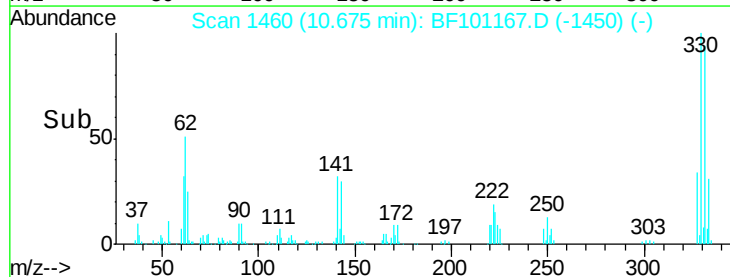
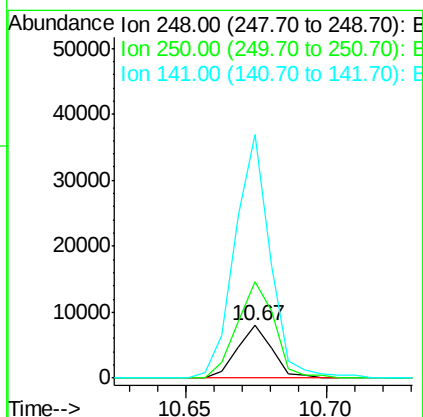
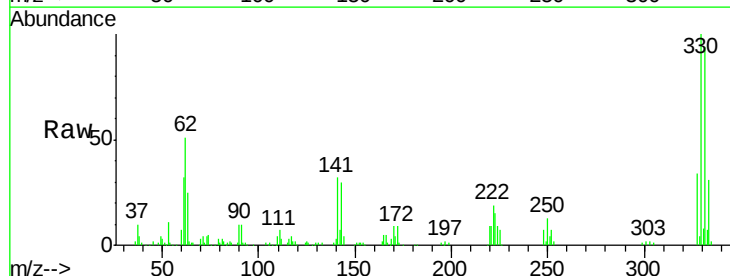
Instrument :
 BNA_F
 ClientSampleId :
 MH-3-E(0-1)

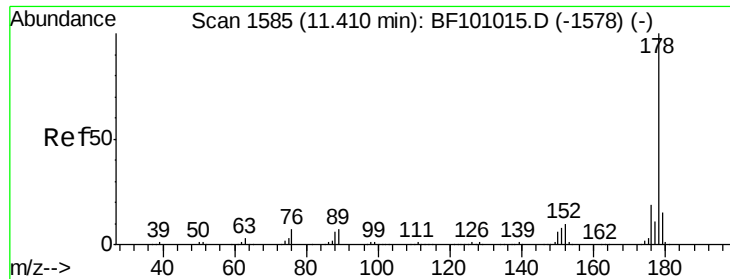
Tot Ion:188 Resp: 178472
 Ion Ratio Lower Upper
 188 100
 94 6.7 8.5 12.7#
 80 8.1 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.416 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

Tgt Ion:248 Resp: 6825
 Ion Ratio Lower Upper
 248 100
 250 184.4 76.9 115.3#
 141 462.7 74.4 111.6#





#70

Phenanthrene

Concen: 2.434 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

Instrument :

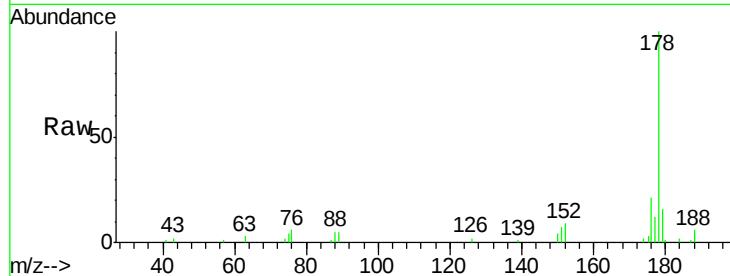
BNA_F

ClientSampleId :

MH-3-E(0-1)

Tot Ion:178 Resp: 23919

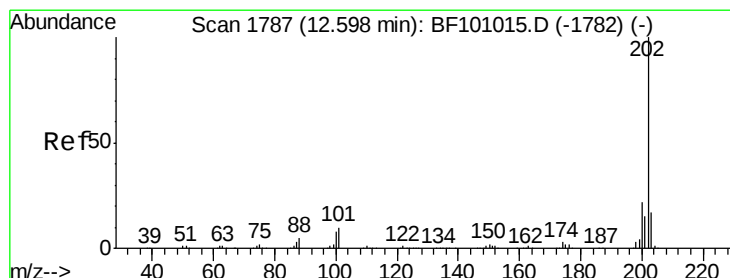
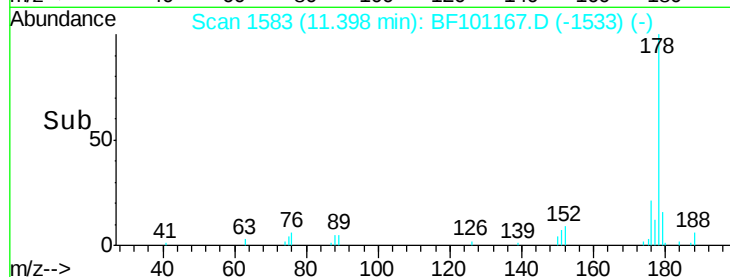
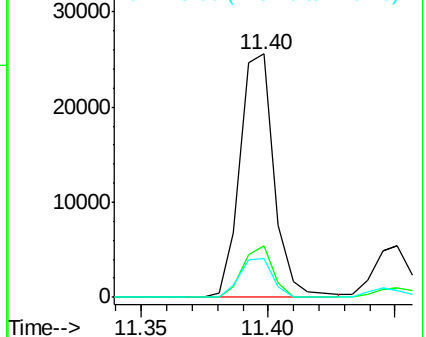
Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.8
179	16.1	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.519 ng

RT: 12.59 min Scan# 1785

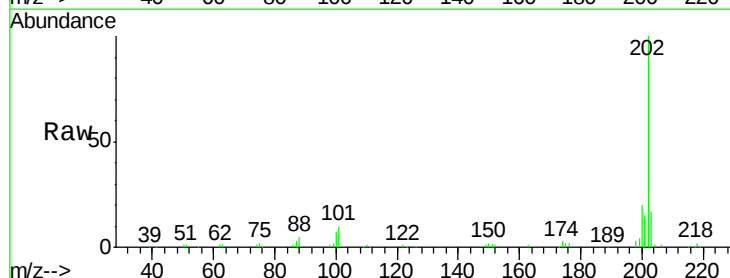
Delta R.T. -0.01 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

Tgt Ion:202 Resp: 71025

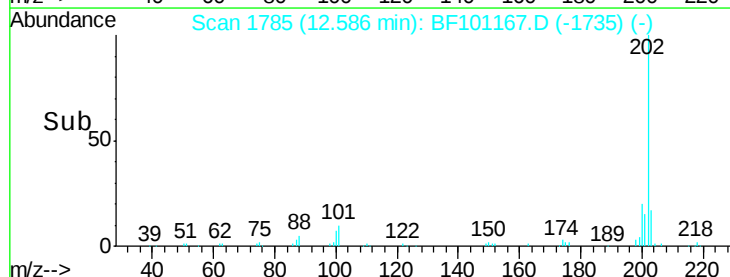
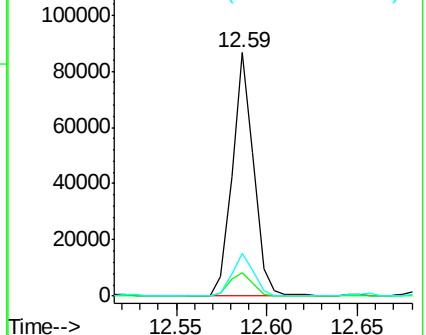
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.4	0.0	38.1

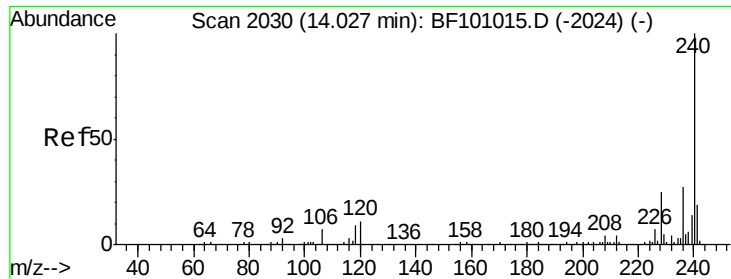


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

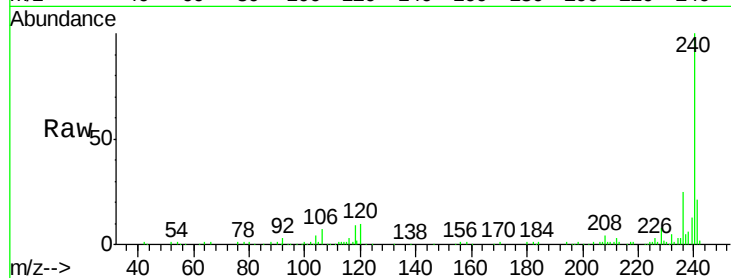




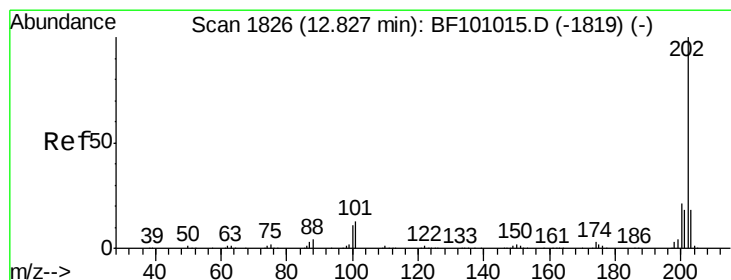
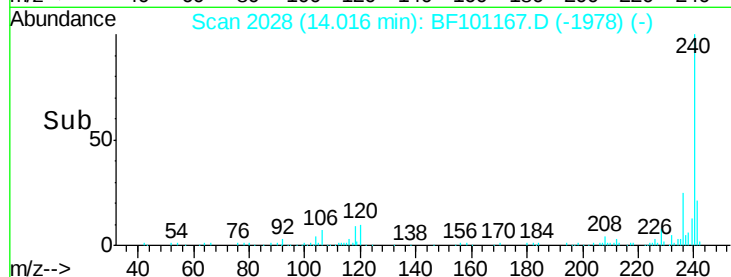
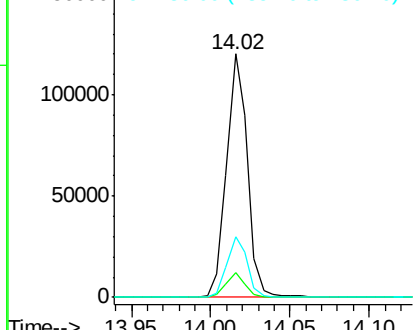
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

Tot Ion:240 Resp: 109311
Ion Ratio Lower Upper
240 100
120 10.2 9.5 14.3
236 24.7 20.7 31.1

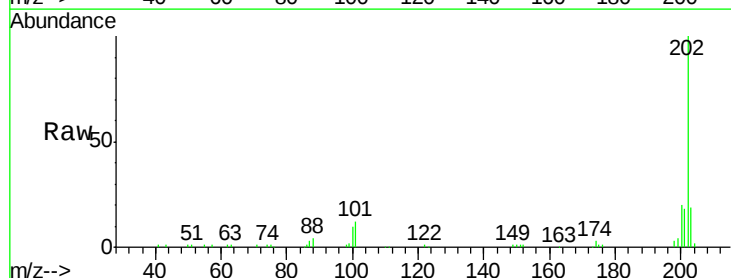


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

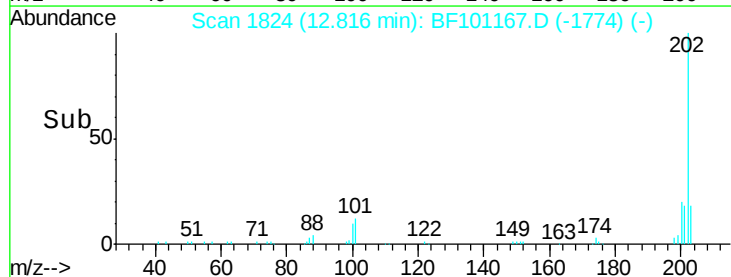
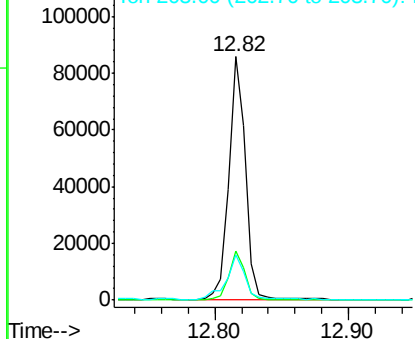


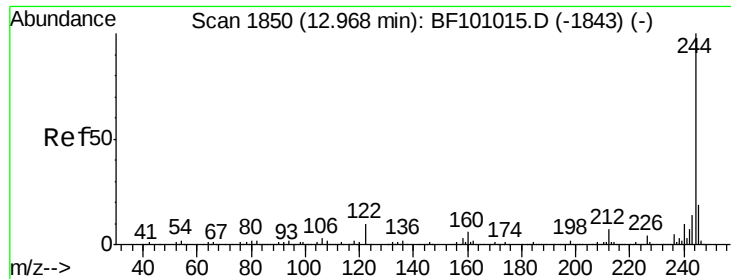
#77
Pyrene
Concen: 10.110 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:202 Resp: 76259
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 18.7 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

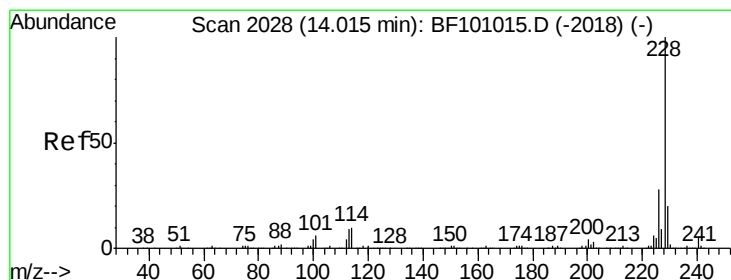
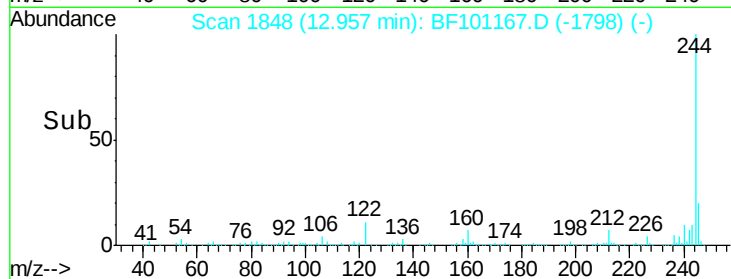
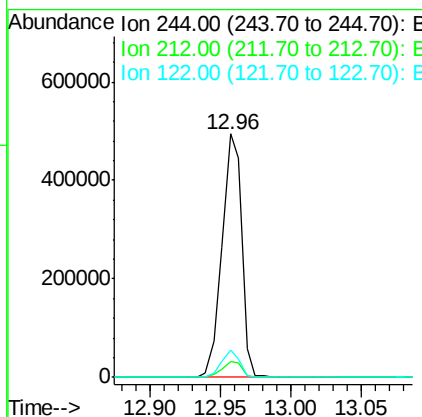
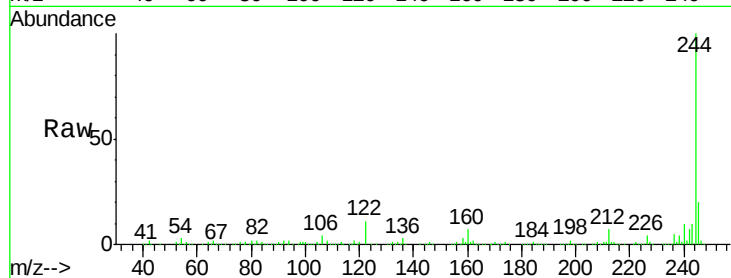




#78
 Terphenyl-d14
 Concen: 95.987 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

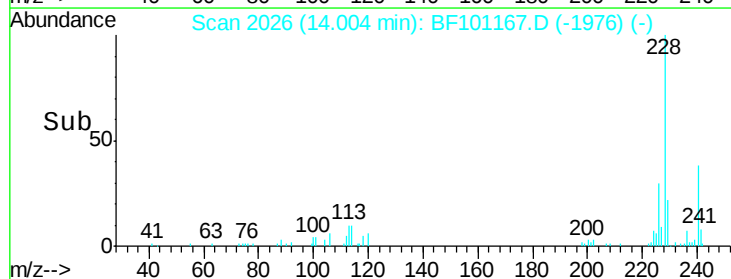
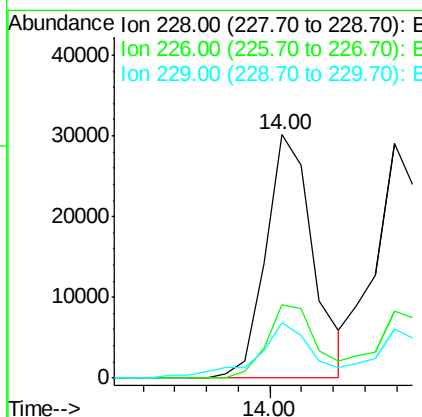
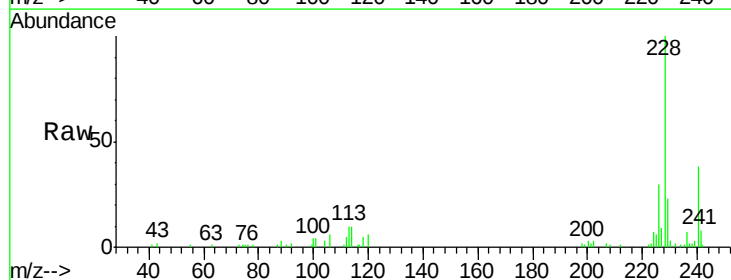
Instrument :
 BNA_F
 ClientSampleId :
 MH-3-E(0-1)

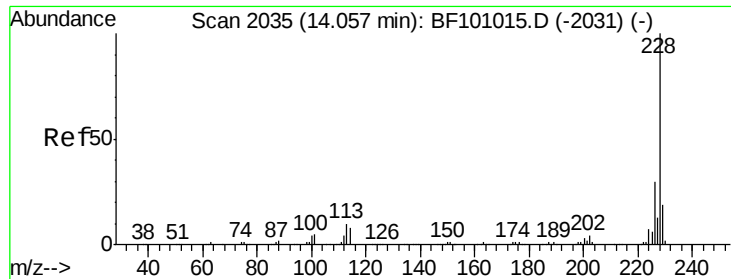
Tot Ion:244 Resp: 479705
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.539 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF101167.D
 Acq: 6 Dec 2017 15:04

Tgt Ion:228 Resp: 31326
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 22.8 15.8 23.6





#82

Chrysene

Concen: 4.760 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

Instrument :

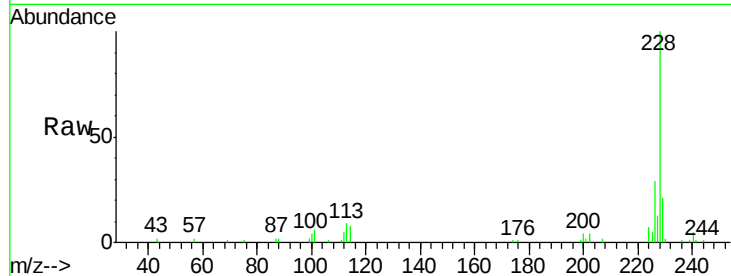
BNA_F

ClientSampleId :

MH-3-E(0-1)

Tot Ion:228 Resp: 30511

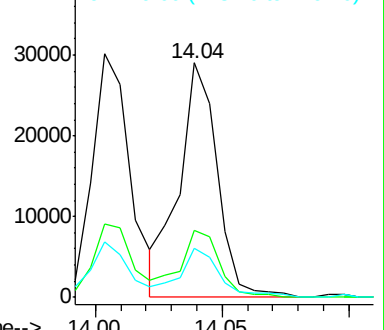
Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.6
229	20.8	16.2	24.4



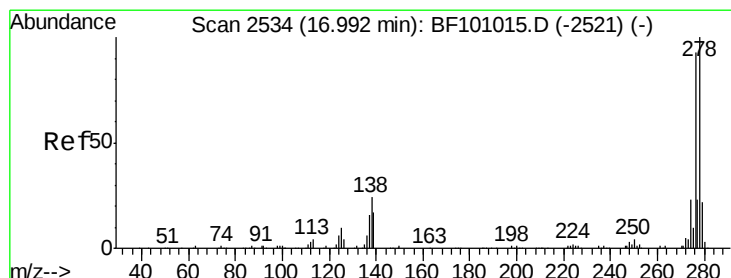
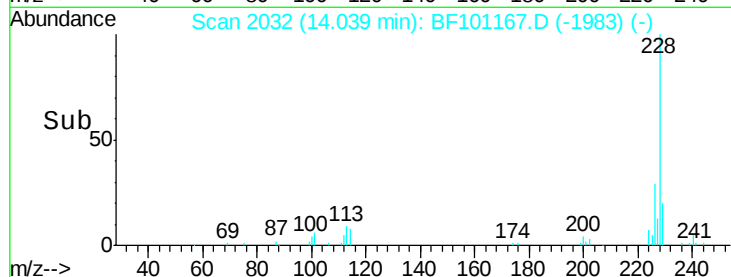
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.907 ng

RT: 16.97 min Scan# 2530

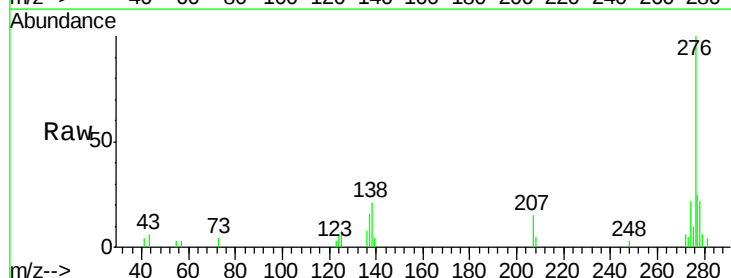
Delta R.T. -0.01 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

Tgt Ion:276 Resp: 22267

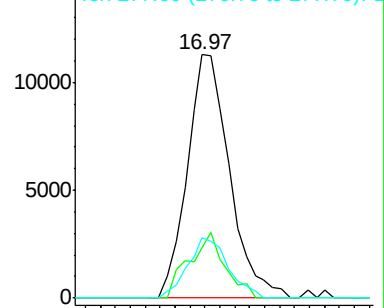
Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	23.8	20.1	30.1



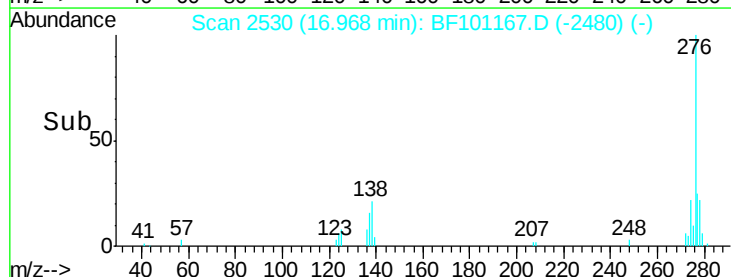
Abundance Ion 276.00 (275.70 to 276.70): E

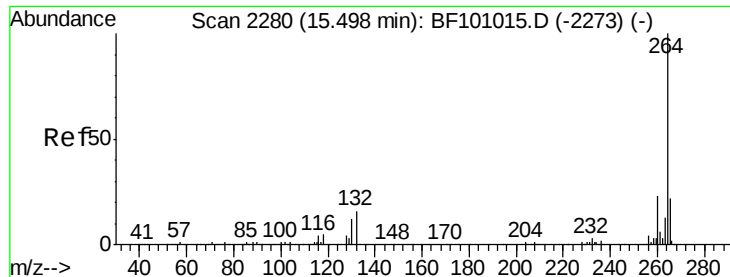
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

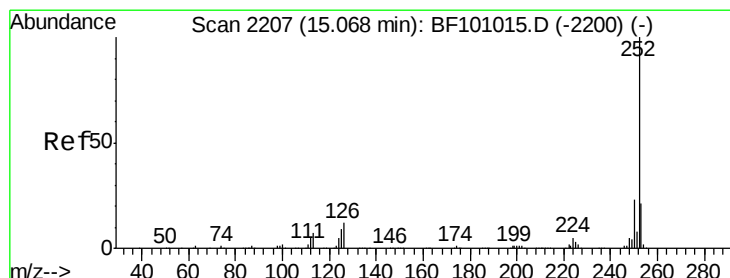
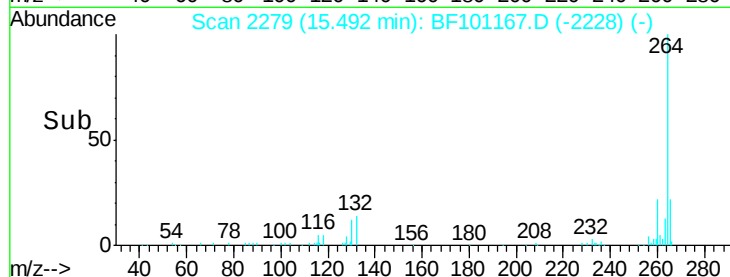
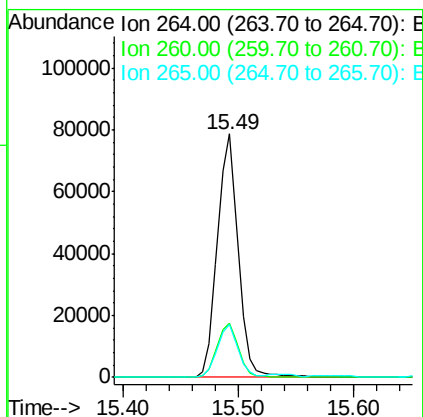
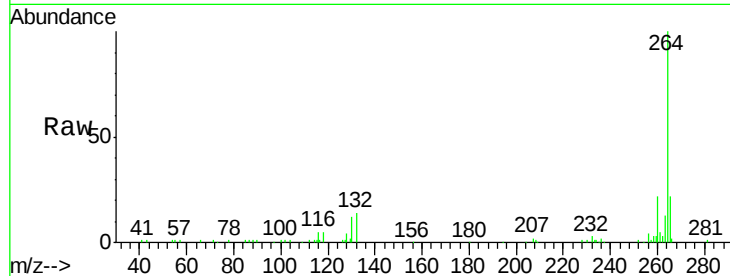




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

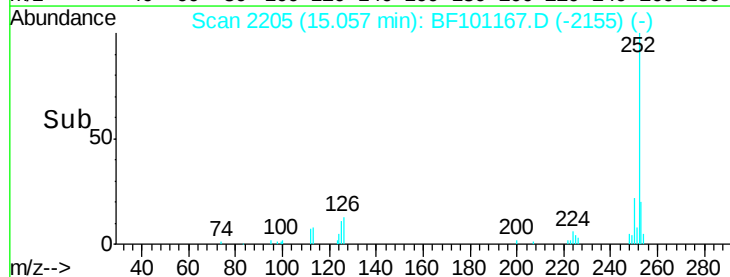
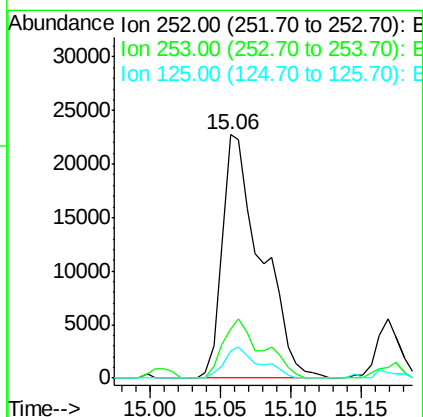
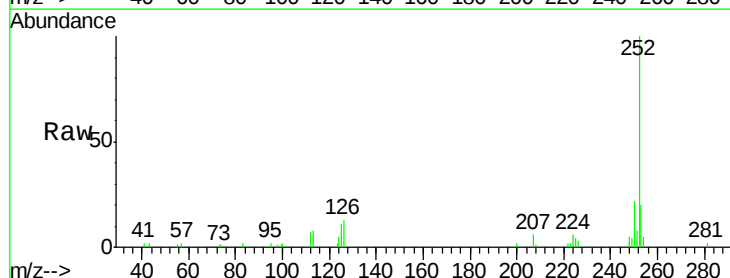
Instrument :
BNA_F
ClientSampled :
MH-3-E(0-1)

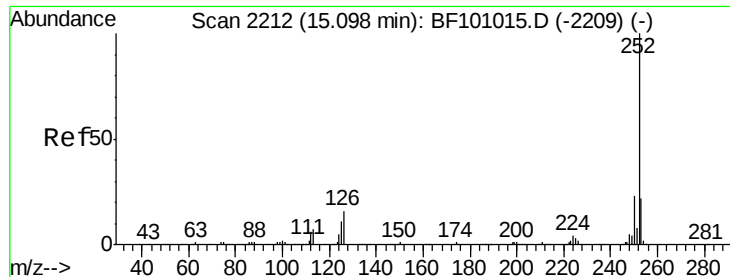
Tot Ion:264 Resp: 98879
Ion Ratio Lower Upper
264 100
260 22.1 19.2 28.8
265 21.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.381 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:252 Resp: 43716
Ion Ratio Lower Upper
252 100
253 19.9 17.0 25.6
125 11.3 9.0 13.6

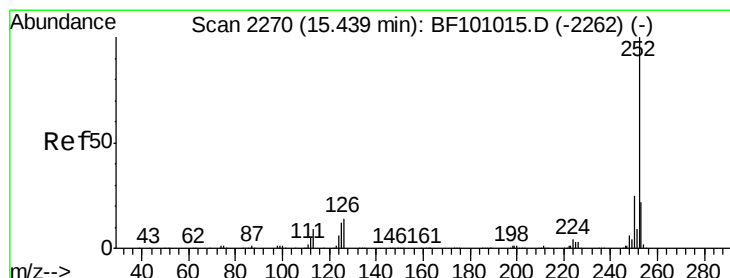
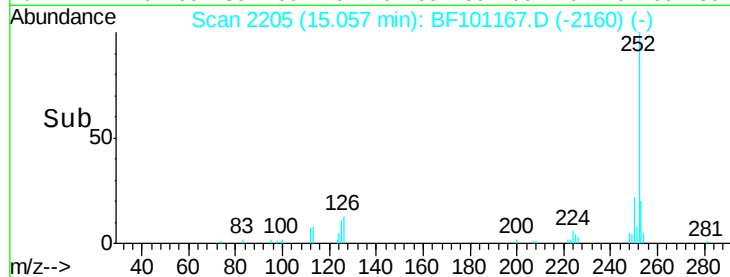
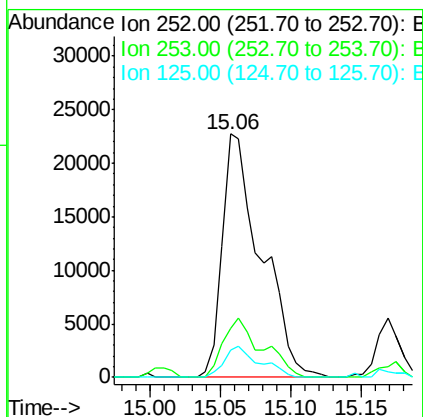
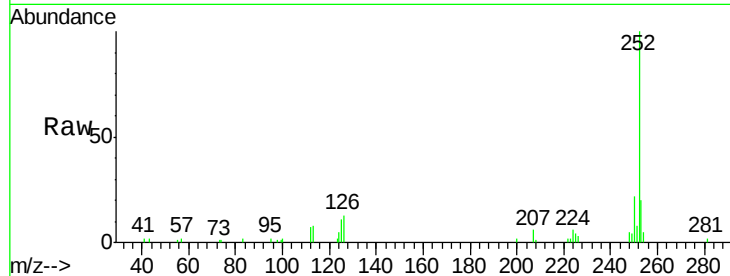




#88
Benzo(k)fluoranthene
Concen: 7.492 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

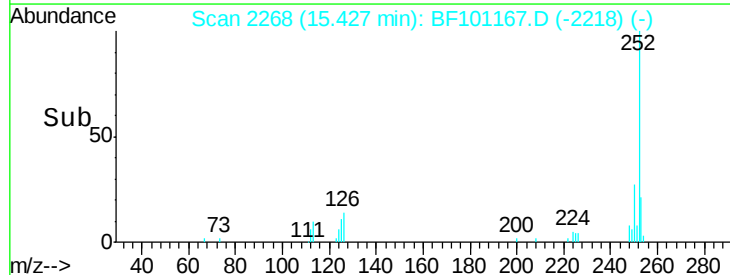
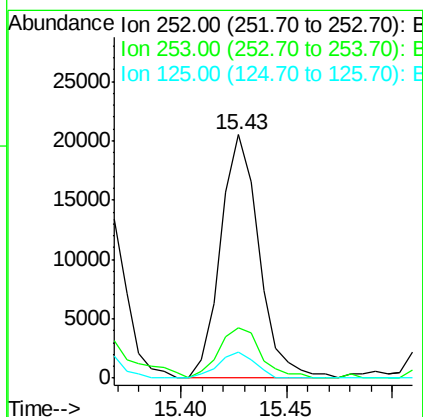
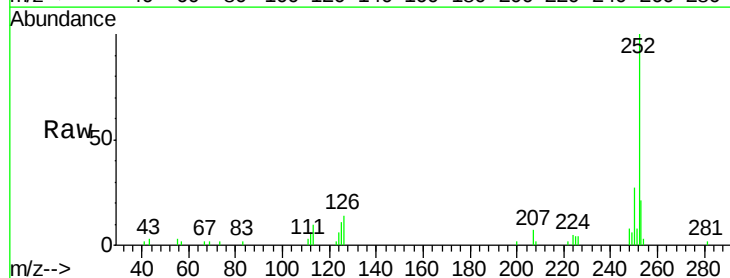
Instrument :
BNA_F
ClientSampleId :
MH-3-E(0-1)

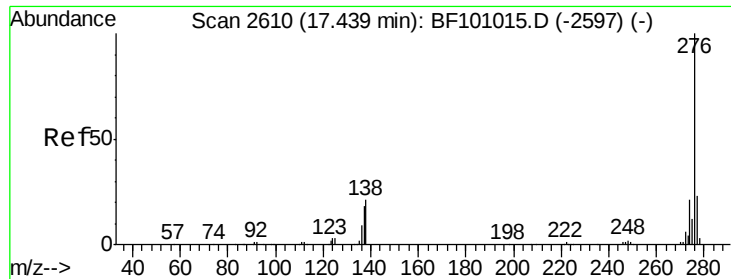
Tot Ion:252 Resp: 43716
Ion Ratio Lower Upper
252 100
253 19.9 17.9 26.9
125 11.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.786 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101167.D
Acq: 6 Dec 2017 15:04

Tgt Ion:252 Resp: 25771
Ion Ratio Lower Upper
252 100
253 20.8 17.1 25.7
125 10.8 9.8 14.6





#91

Benzo(a,h,i)perylene

Concen: 4.994 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BF101167.D

Acq: 6 Dec 2017 15:04

Instrument :

BNA_F

ClientSampleId :

MH-3-E(0-1)

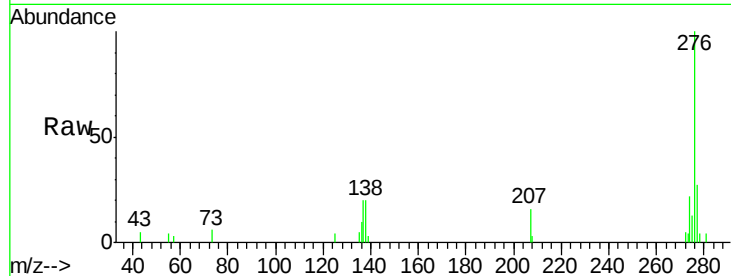
Tot Ion:276 Resp: 22341

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 20.3 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

