

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101120.D
 Acq On : 5 Dec 2017 13:21
 Operator : SJ/JU
 Sample : I6734-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 15:11:16 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	54965	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	217369	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	100703	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	195175	20.00	ng	0.00
75) Chrysene-d12	14.02	240	134480	20.00	ng	0.00
86) Perylene-d12	15.49	264	113057	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	306000	91.99	ng	0.00
7) Phenol-d6	6.48	99	369722	91.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	233829	64.17	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	98707	81.59	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	438952	59.64	ng	0.00
78) Terphenyl-d14	12.96	244	420810	68.44	ng	0.00

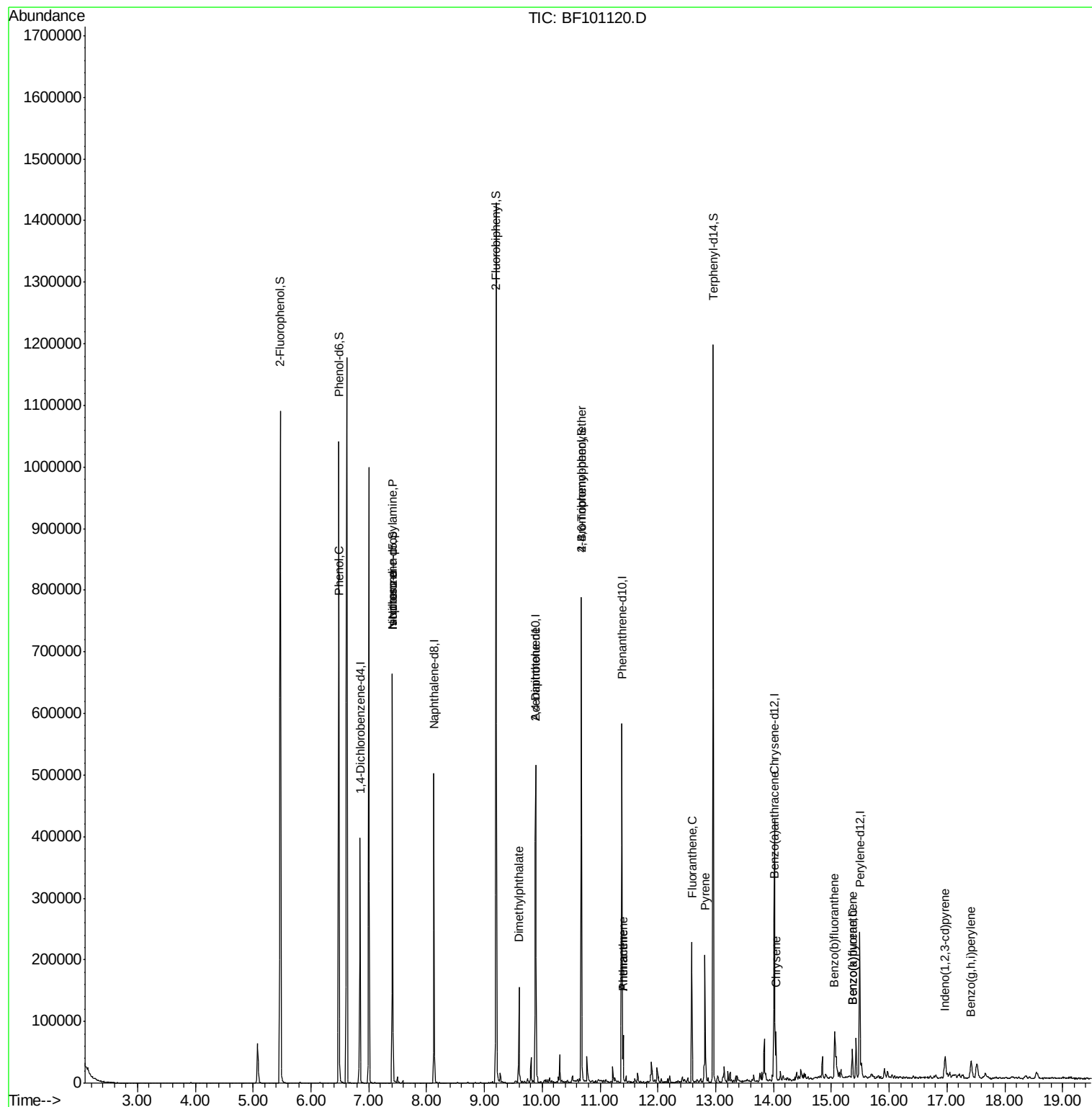
Target Compounds				Qvalue		
10) Phenol	6.49	94	11399	2.54	ng	98
19) n-Nitroso-di-n-propylamine	7.41	70	30257	11.12	ng	# 81
25) Isophorone	7.41	82	233826	37.57	ng	# 64
49) Dimethylphthalate	9.60	163	65050	8.01	ng	100
56) 2,4-Dinitrotoluene	9.89	165	12431	5.42	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	6348	2.91	ng	# 1
70) Phenanthrene	11.40	178	28670	2.67	ng	98
71) Anthracene	11.40	178	28670	2.64	ng	99
74) Fluoranthene	12.59	202	90059	7.56	ng	94
77) Pyrene	12.82	202	86186	9.29	ng	97
80) Benzo(a)anthracene	14.00	228	34196	4.03	ng	97
82) Chrysene	14.04	228	34372	4.36	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	25172	3.59	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	55951	8.26	ng	94
88) Benzo(k)fluoranthene	15.36	252	18812	2.82	ng	97
89) Benzo(a)pyrene	15.36	252	22059	3.58	ng	95
91) Benzo(a,h,i)perylene	17.42	276	26571	5.19	ng	# 94

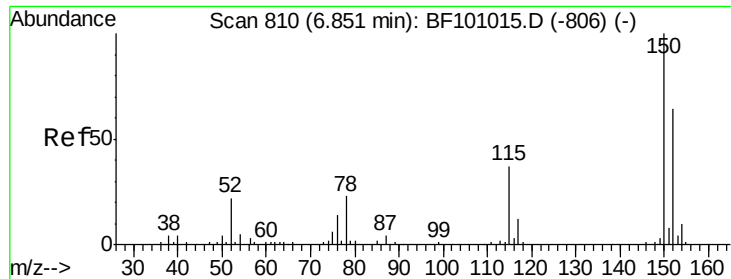
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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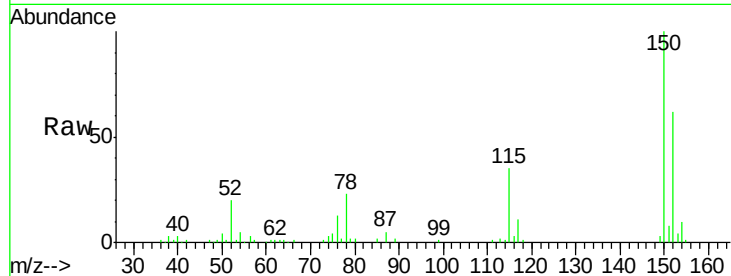


#1

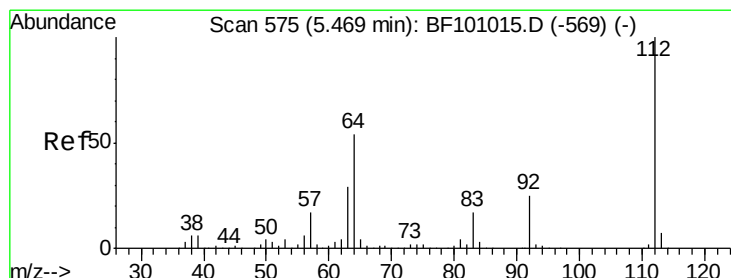
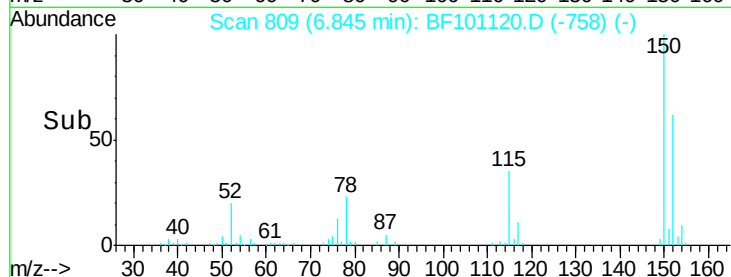
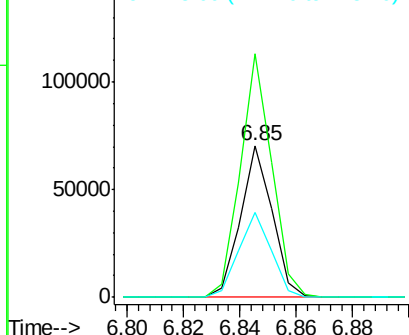
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 54965
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 55.7 50.1 75.1



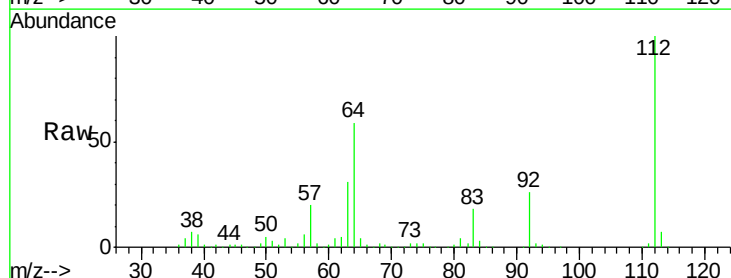
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



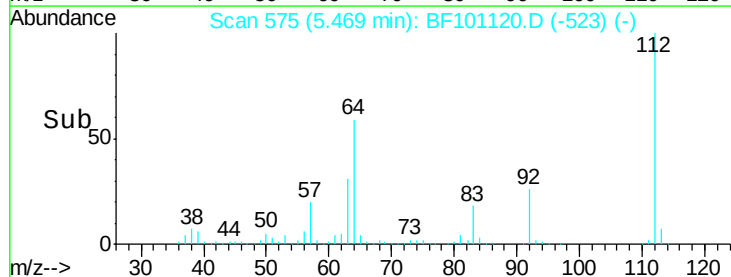
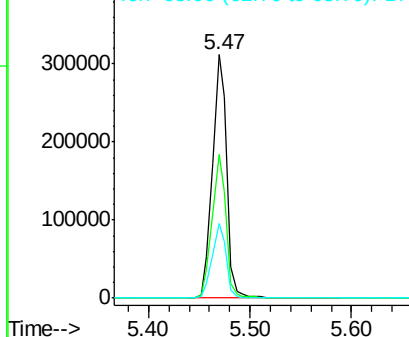
#5

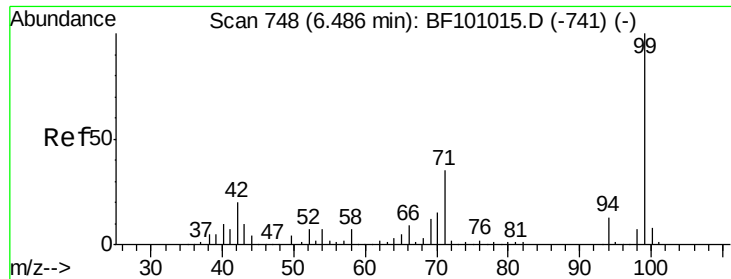
2-Fluorophenol
Concen: 91.99 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion:112 Resp: 306000
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 30.9 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: 91.55 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

ClientSampled :

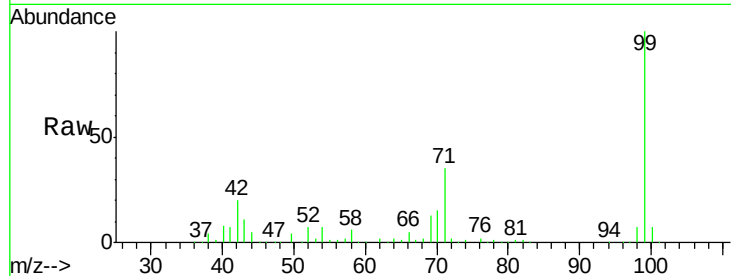
Tot Ion: 99 Resp: 369722

Ion Ratio Lower Upper

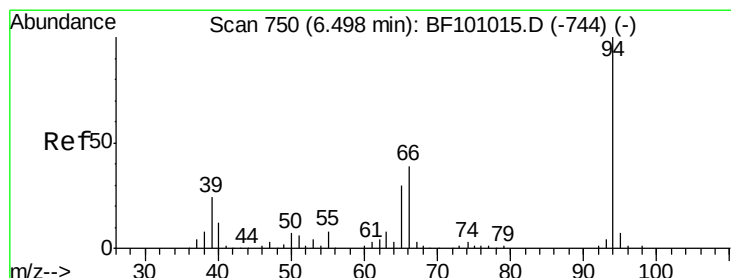
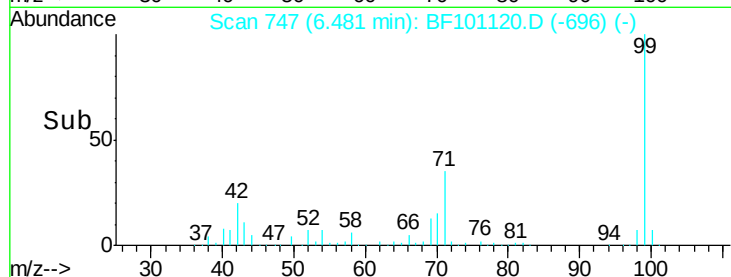
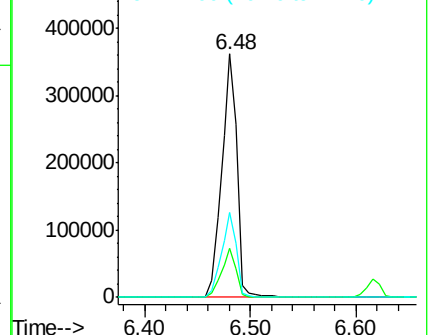
99 100

42 20.4 14.5 21.7

71 35.1 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: 2.54 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

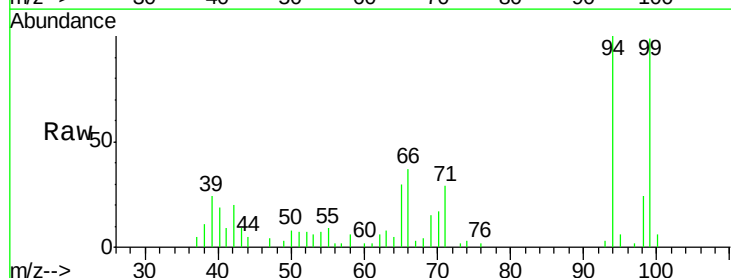
Tgt Ion: 94 Resp: 11399

Ion Ratio Lower Upper

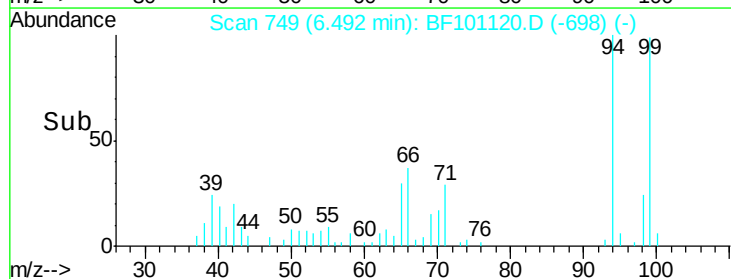
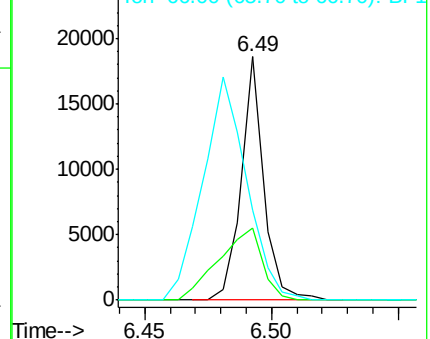
94 100

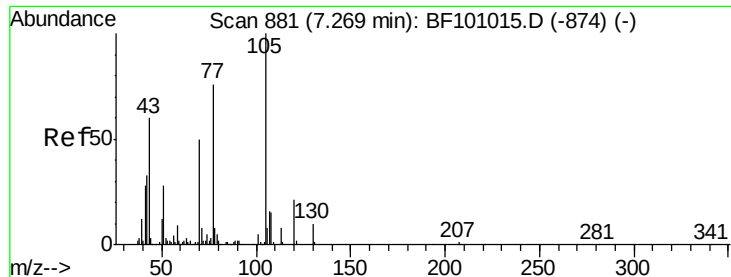
65 29.7 7.9 47.9

66 37.2 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

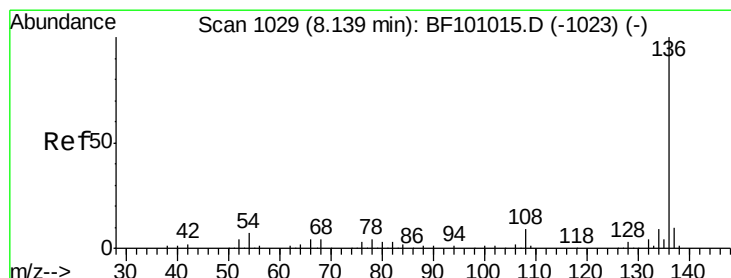
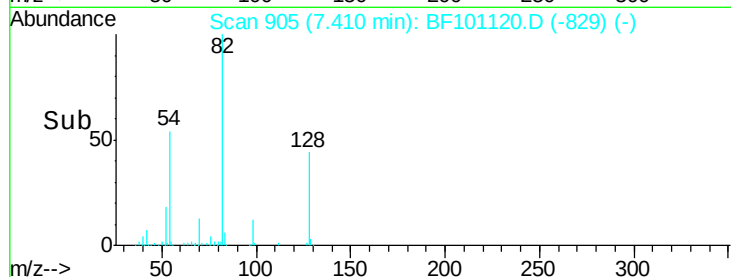
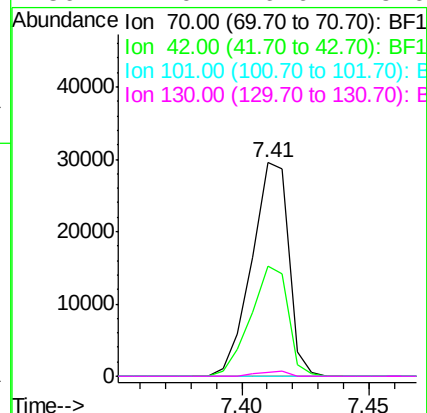
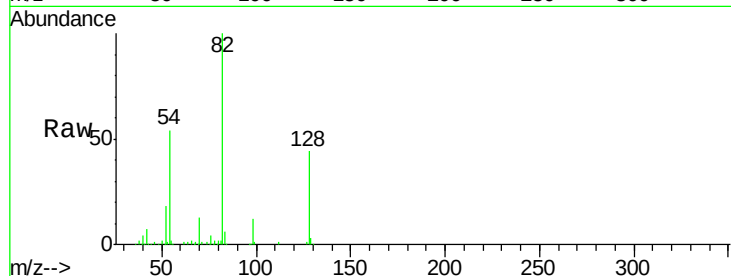




#19
n-Nitroso-di-n-propylamine
Concen: 11.12 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

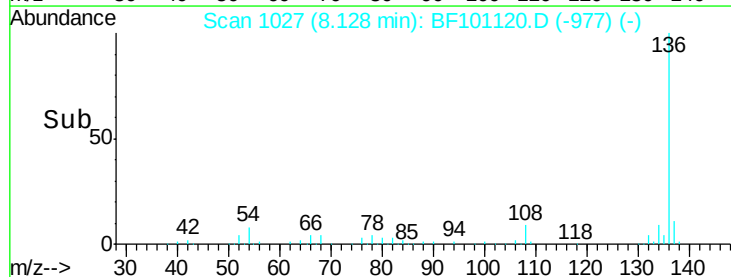
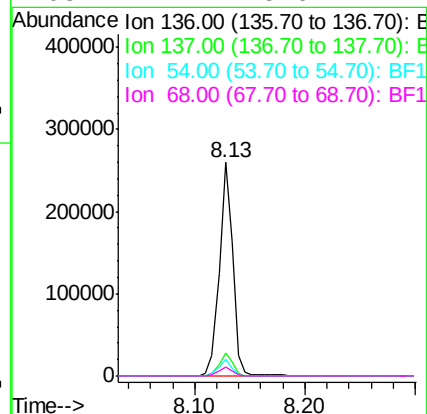
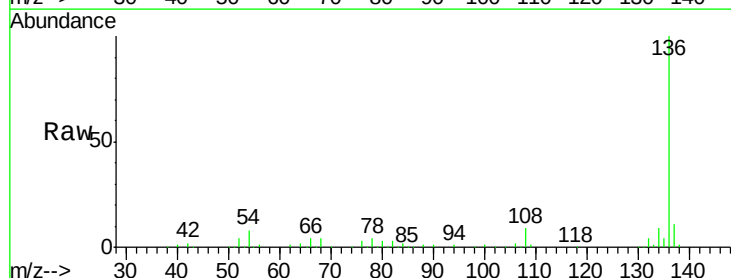
Instrument :
BNA_F
ClientSampleId :

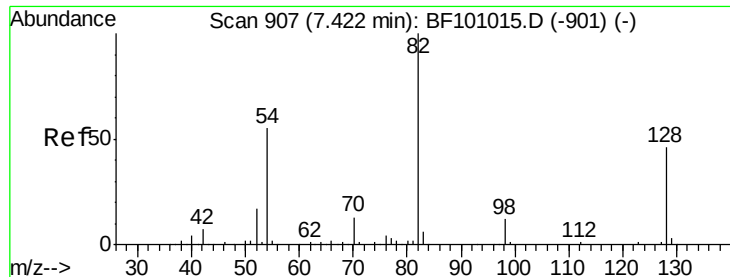
Tot Ion: 70 Resp: 30257
Ion Ratio Lower Upper
70 100
42 51.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion: 136 Resp: 217369
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 6.6 9.8
68 4.2 5.0 7.4#

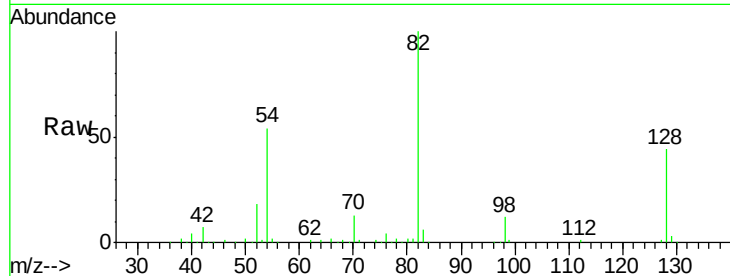




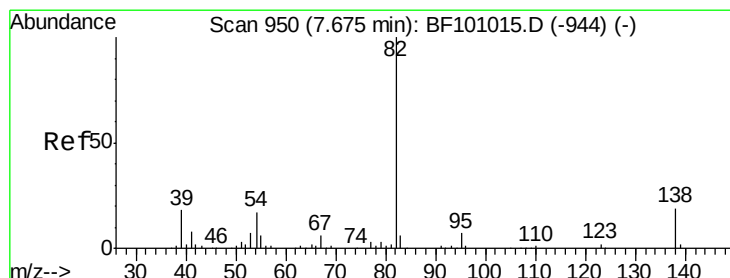
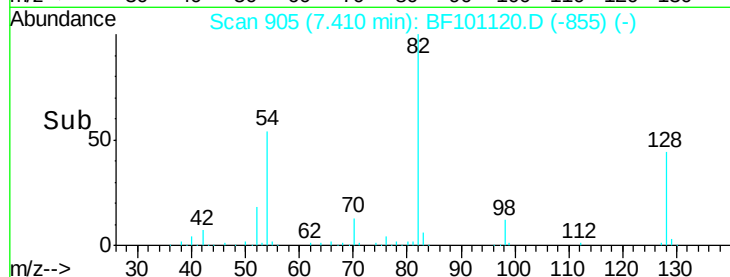
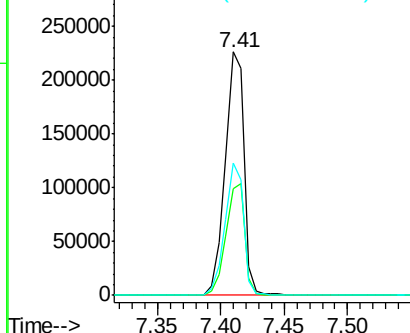
#23
Nitrobenzene-d5
Concen: 64.17 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	233829
Ion Ratio	100	Lower	Upper
128	43.8	36.1	54.1
54	54.1	41.4	62.2

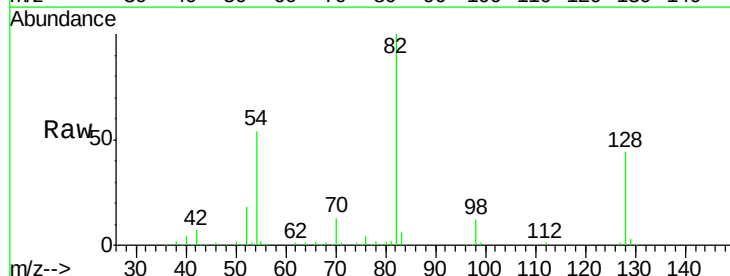


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

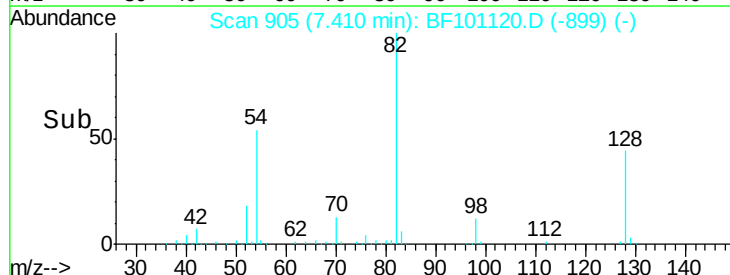
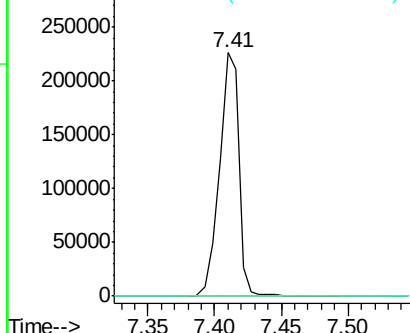


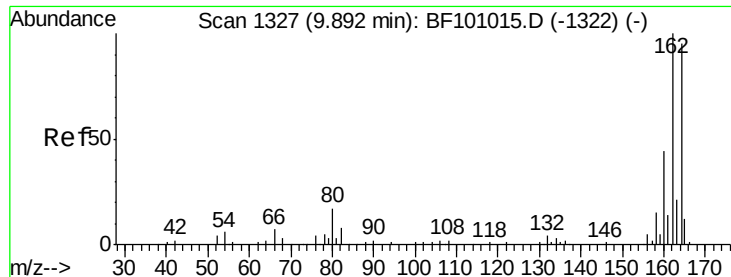
#25
Isophorone
Concen: 37.57 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion	82	Resp	233826
Ion Ratio	100	Lower	Upper
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: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

ClientSampleId :

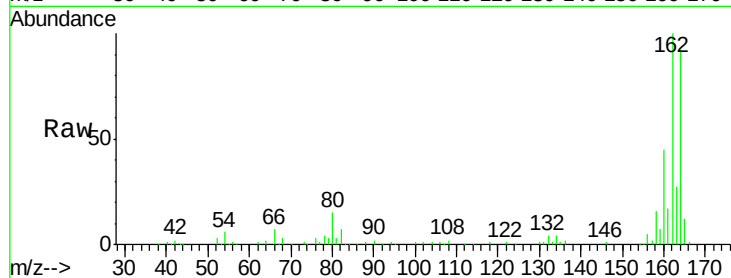
Tot Ion:164 Resp: 100703

Ion Ratio Lower Upper

164 100

162 109.2 86.1 129.1

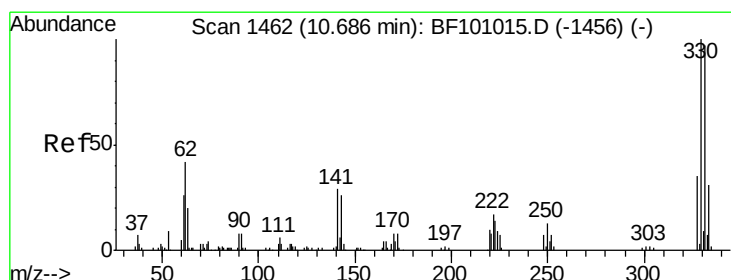
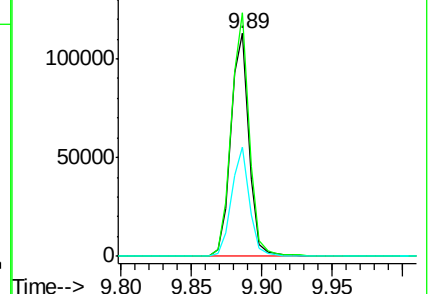
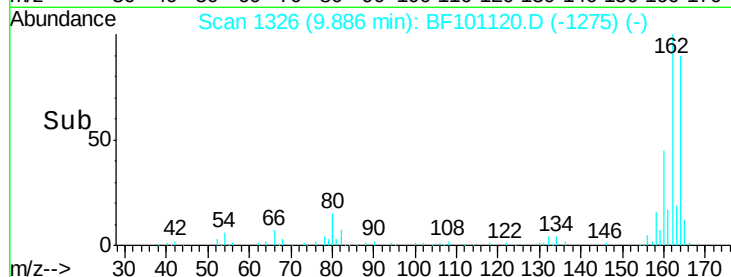
160 48.7 38.3 57.5



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: 81.59 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

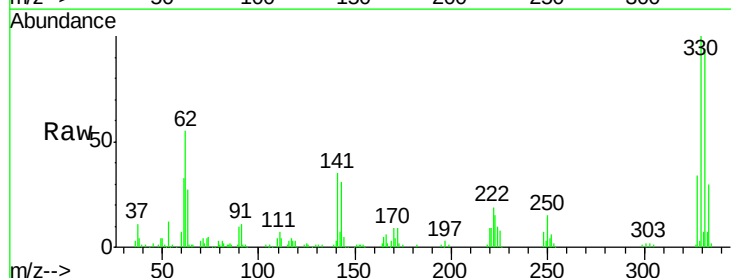
Tgt Ion:330 Resp: 98707

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

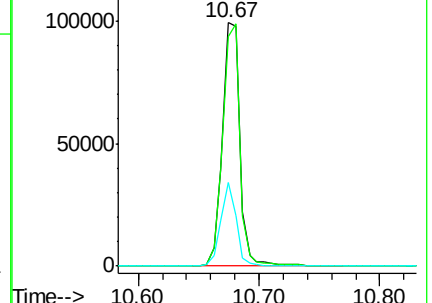
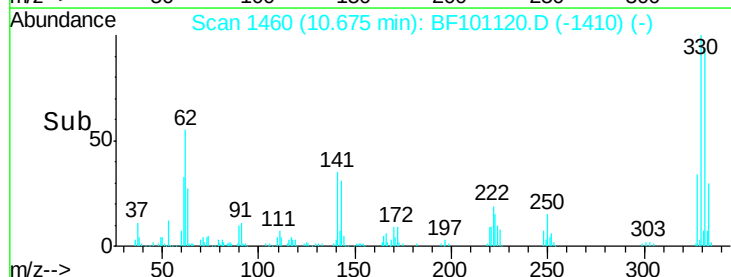
141 30.2 29.9 44.9

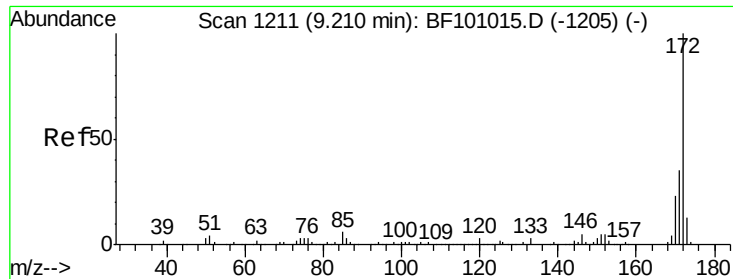


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

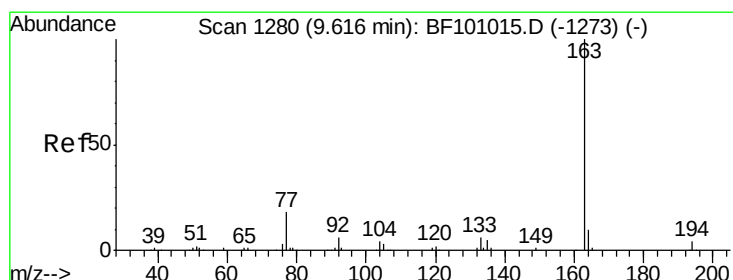
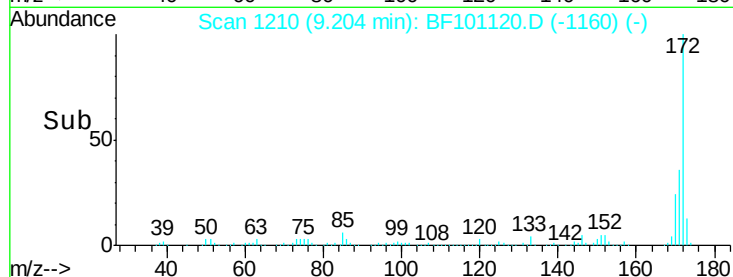
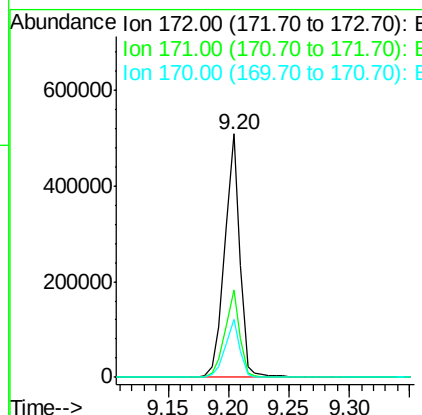
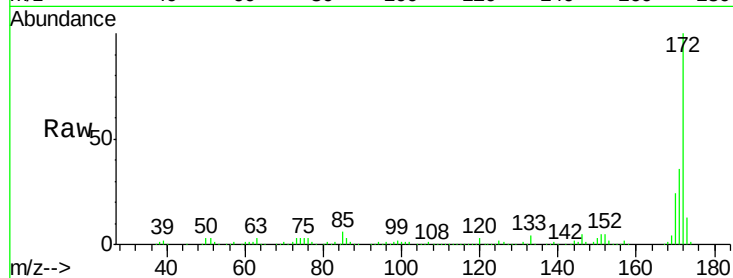




#44
 2-Fluorobiphenyl
 Concen: 59.64 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

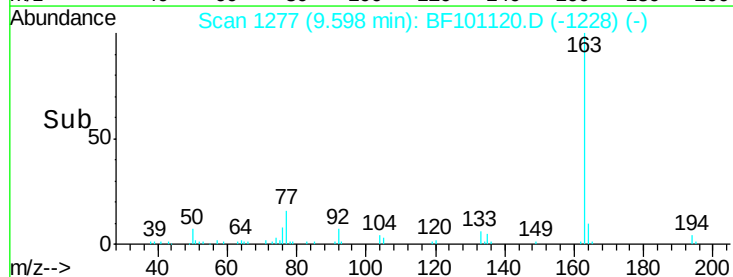
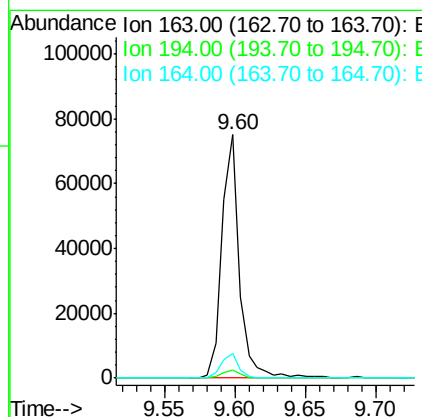
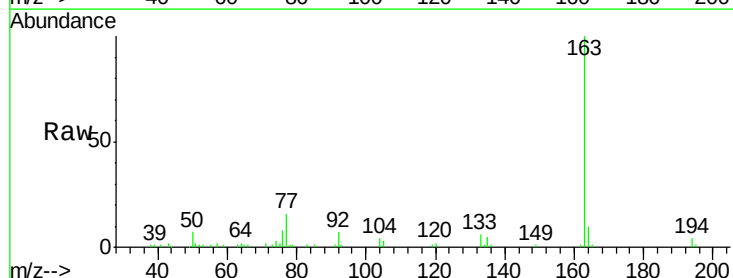
Instrument :
 BNA_F
 ClientSampleId :

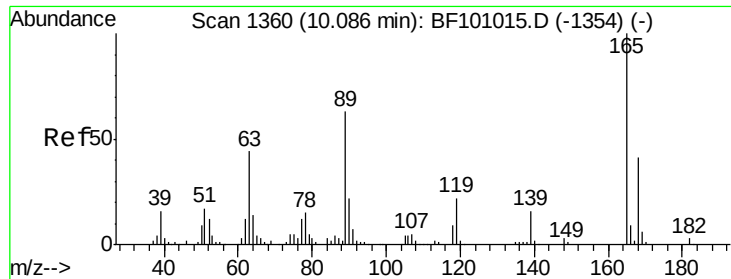
Tot Ion:172 Resp: 438952
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.7 19.6 29.4



#49
 Dimethylphthalate
 Concen: 8.01 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion:163 Resp: 65050
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.7 4.1
 164 10.2 8.2 12.2





#56

2,4-Dinitrotoluene

Concen: 5.42 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.19 min

Lab File: BF101120.D

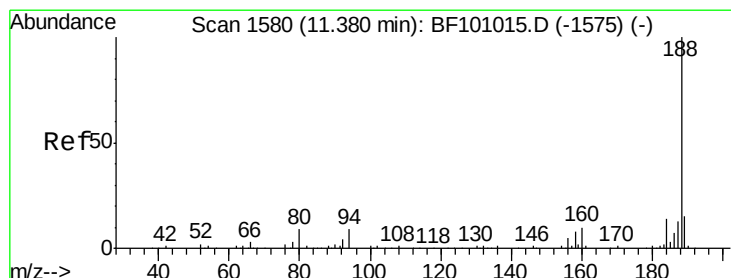
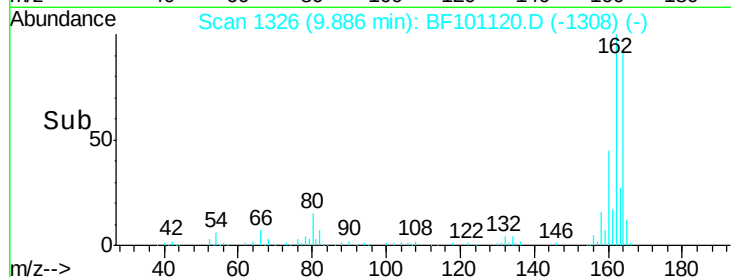
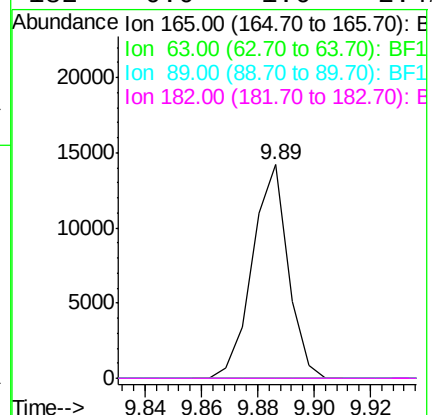
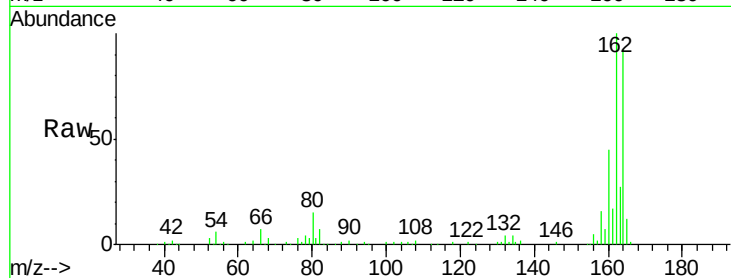
Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	12431
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: 20.00 ng

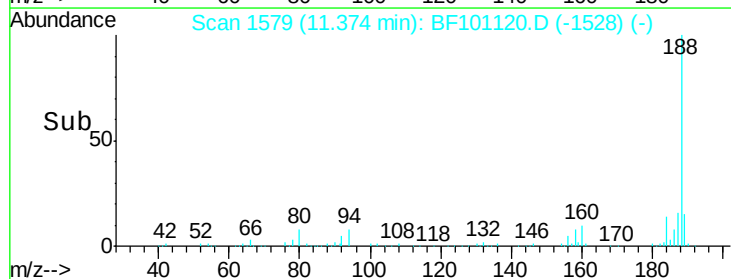
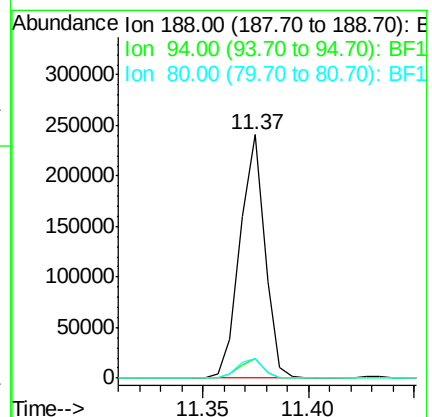
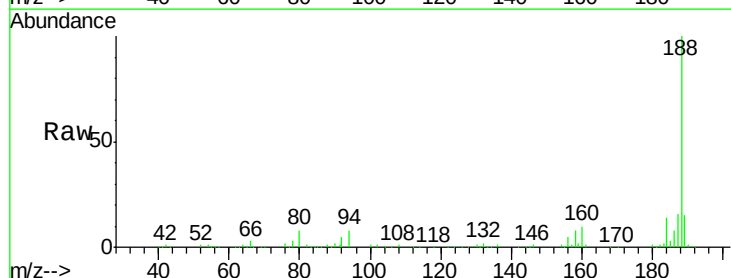
RT: 11.37 min Scan# 1579

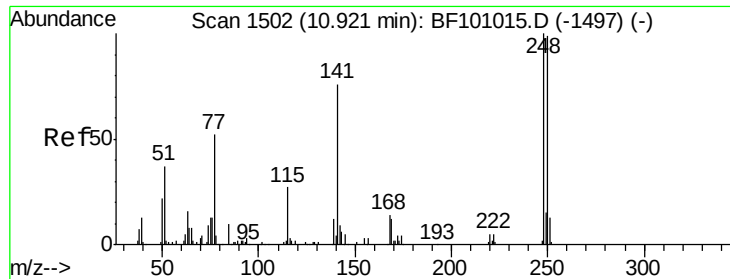
Delta R.T. 0.00 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Tgt Ion:188	Resp:	195175
Ion Ratio	Lower	Upper
188	100	
94	7.9	8.5 12.7#
80	8.1	9.2 13.8#

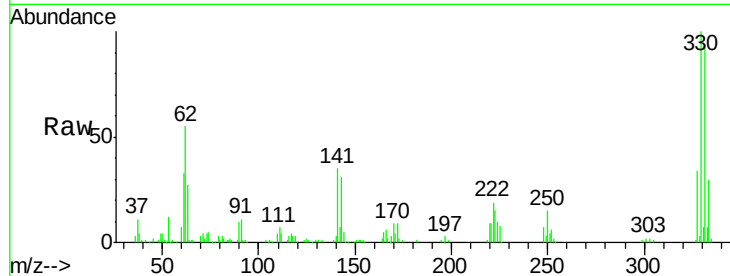




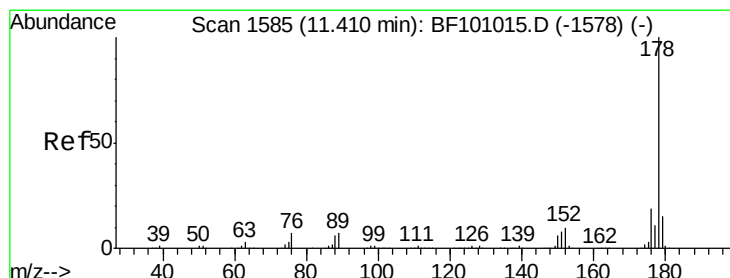
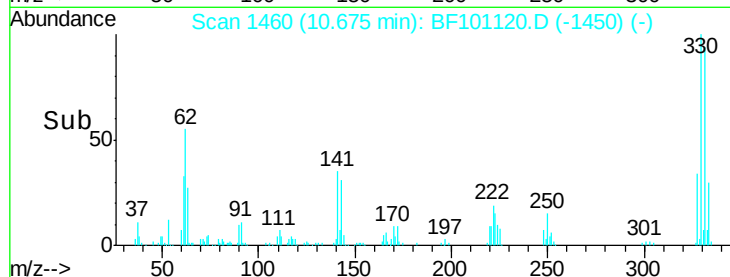
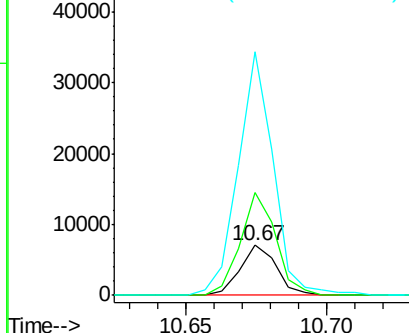
#66
 4-Bromophenyl-phenylether
 Concen: 2.91 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6348
 Ion Ratio Lower Upper
 248 100
 250 205.3 76.9 115.3#
 141 487.4 74.4 111.6#

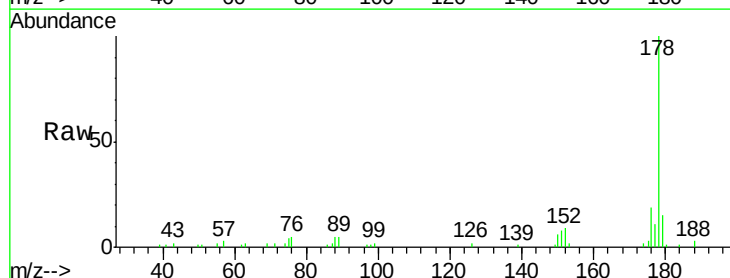


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

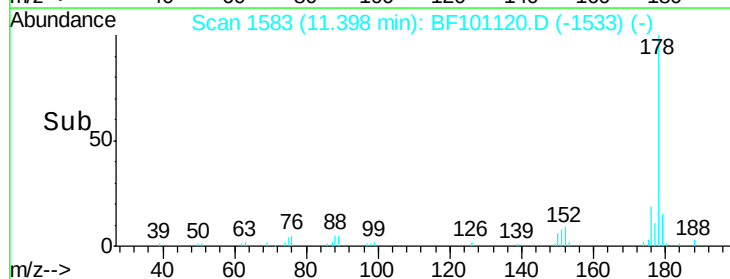
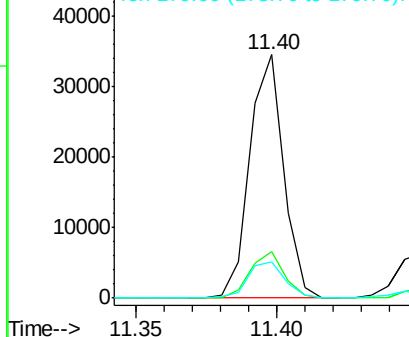


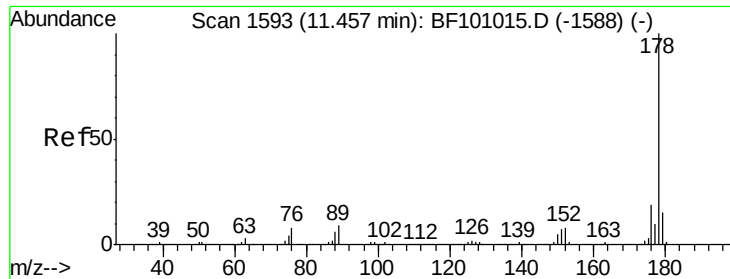
#70
 Phenanthrene
 Concen: 2.67 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion:178 Resp: 28670
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.1 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

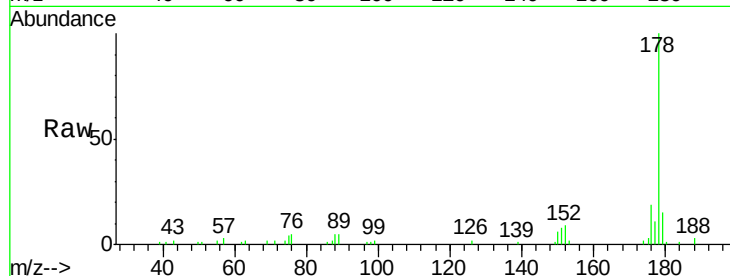




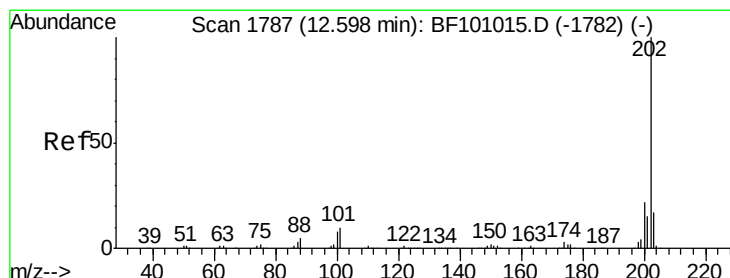
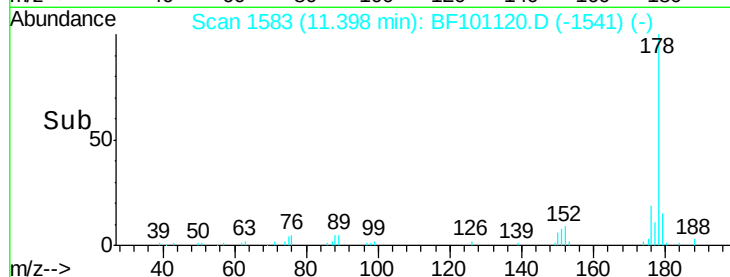
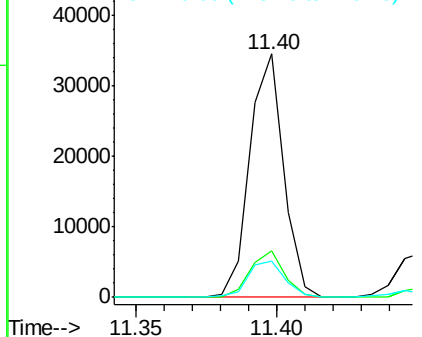
#71
 Anthracene
 Concen: 2.64 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.05 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 28670
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.1 12.6 19.0

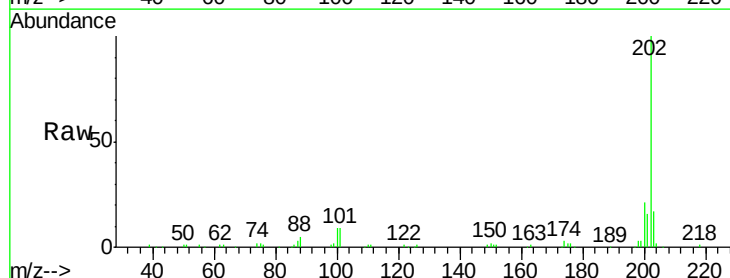


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

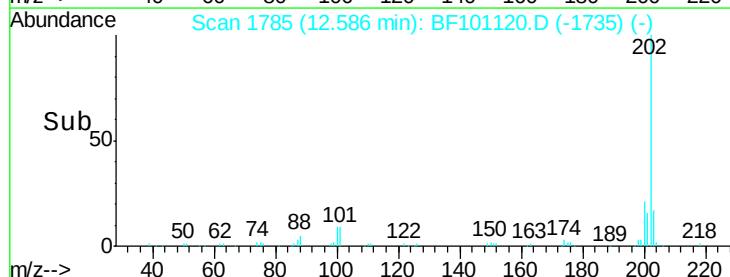
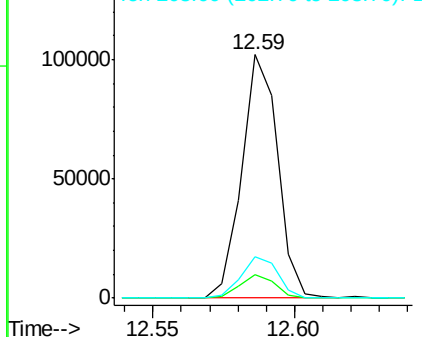


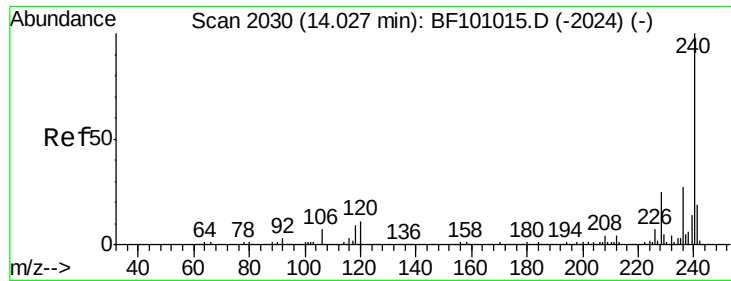
#74
 Fluoranthene
 Concen: 7.56 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion:202 Resp: 90059
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 34.1
 203 17.0 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

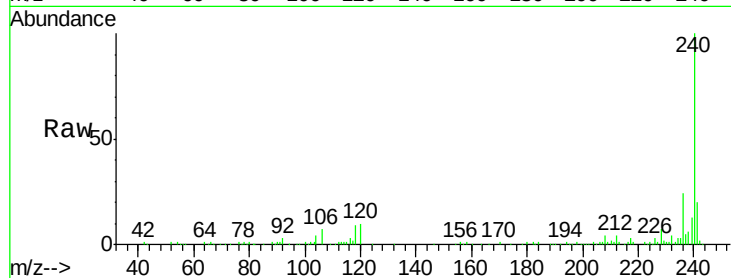




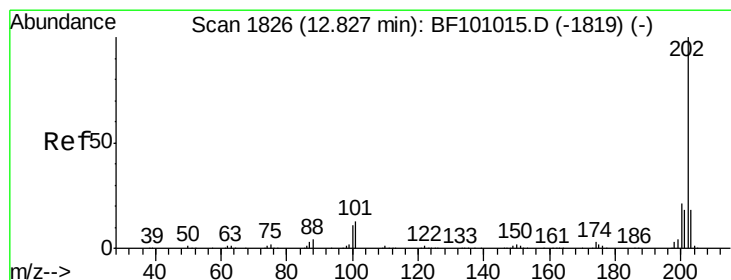
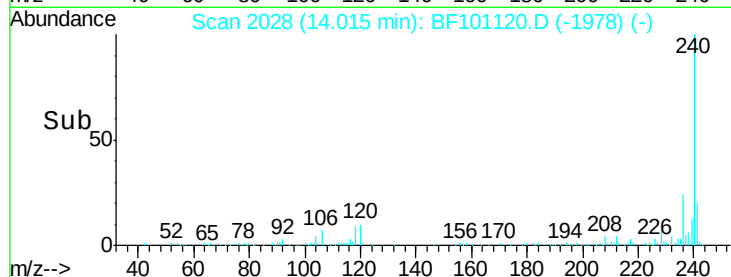
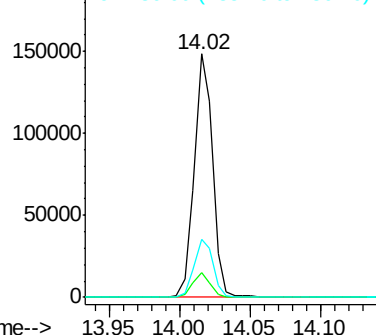
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 134480
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.5 14.3
 236 24.1 20.7 31.1

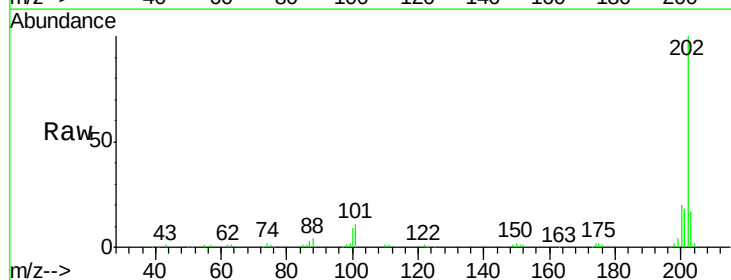


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

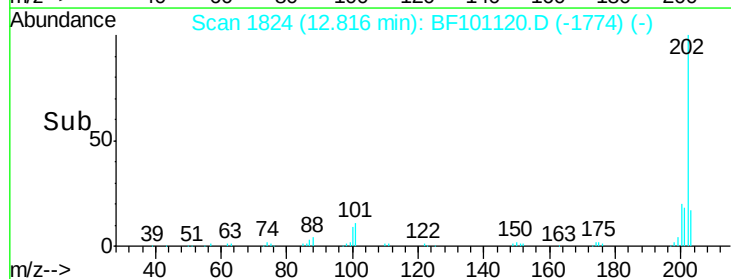
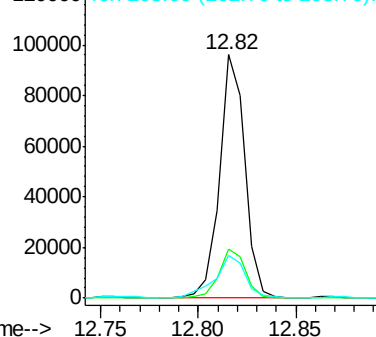


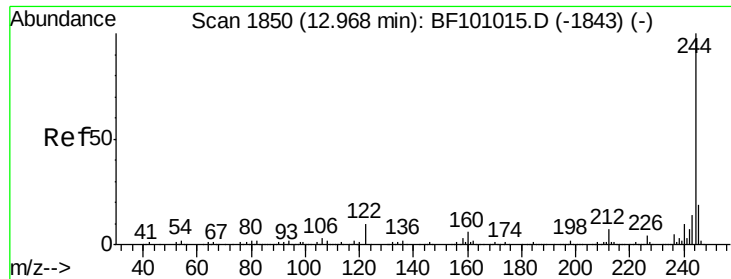
#77
 Pyrene
 Concen: 9.29 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion:202 Resp: 86186
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.4 26.2
 203 17.4 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

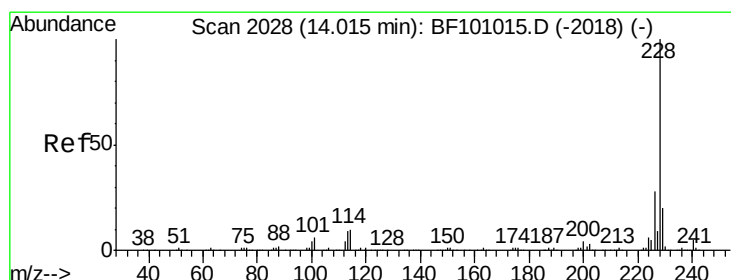
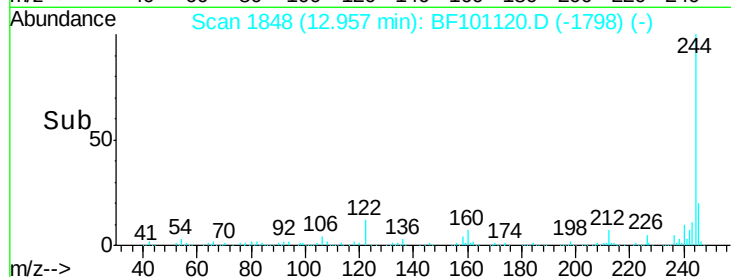
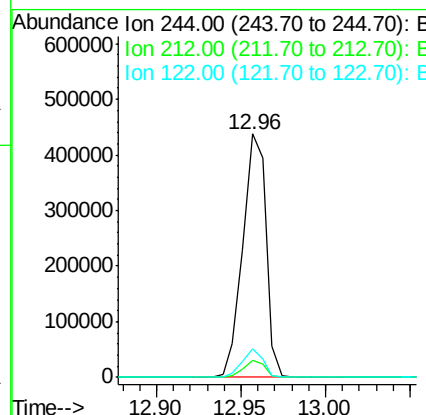
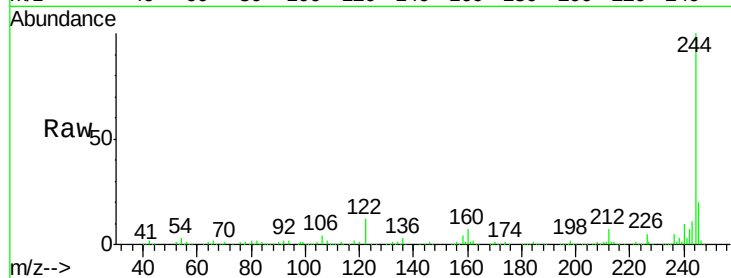




#78
 Terphenyl-d14
 Concen: 68.44 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

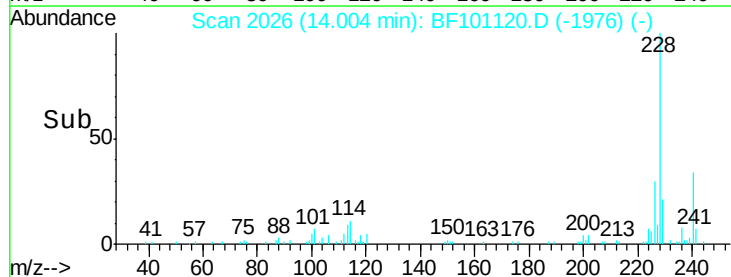
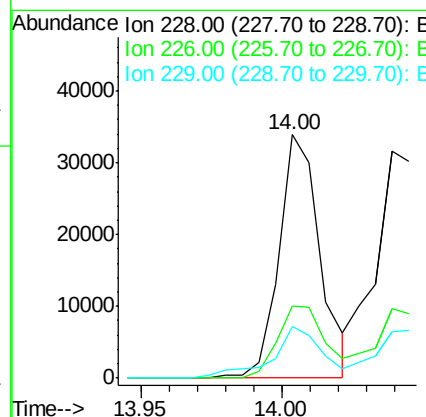
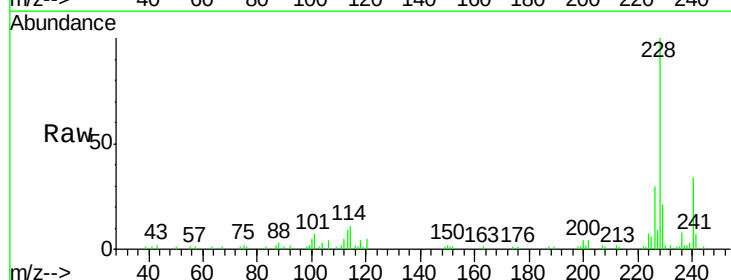
Instrument :
 BNA_F
 ClientSampleId :

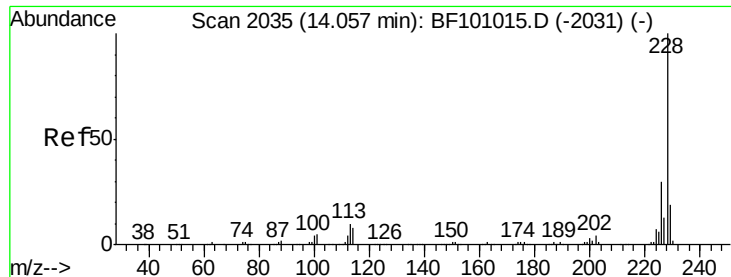
Tot Ion:244 Resp: 420810
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.03 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF101120.D
 Acq: 5 Dec 2017 13:21

Tgt Ion:228 Resp: 34196
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 33.8
 229 21.2 15.8 23.6





#82

Chrysene

Concen: 4.36 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

ClientSampleId :

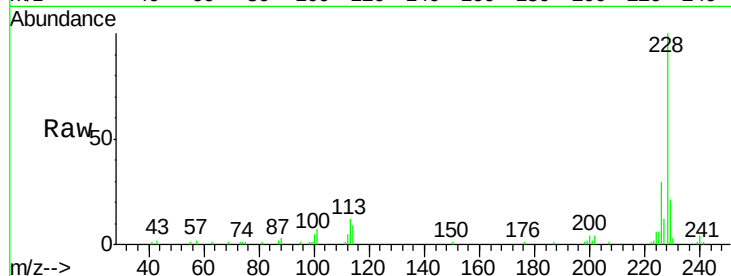
Tot Ion:228 Resp: 34372

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

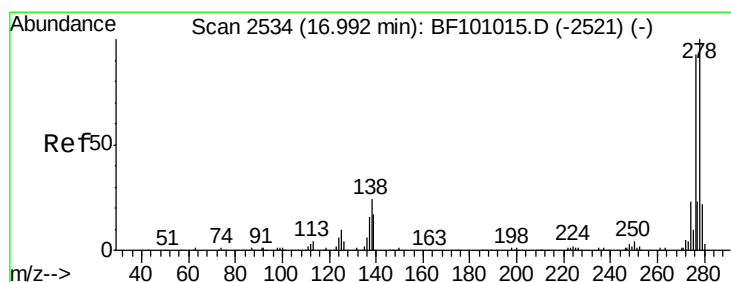
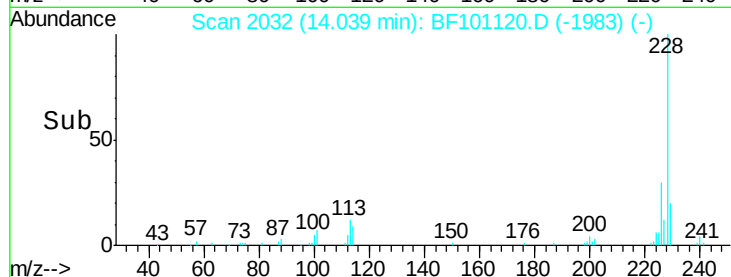
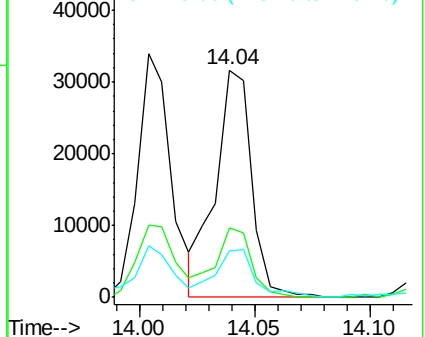
229 20.7 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.59 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

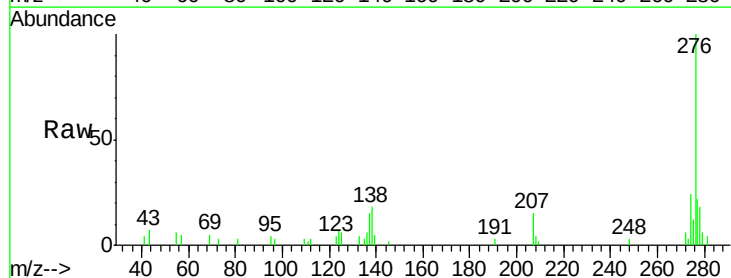
Tgt Ion:276 Resp: 25172

Ion Ratio Lower Upper

276 100

138 19.2 25.0 37.6#

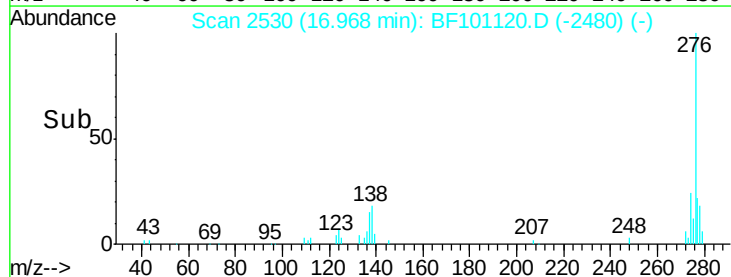
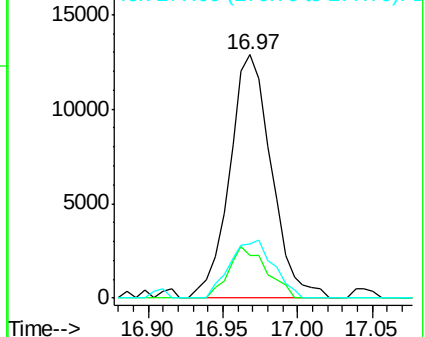
277 24.9 20.1 30.1

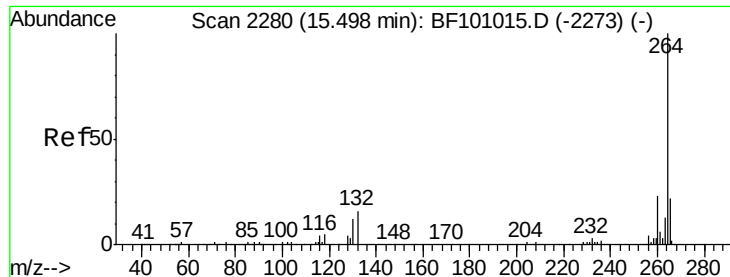


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

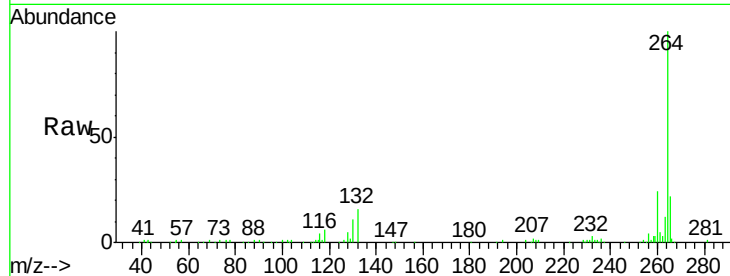




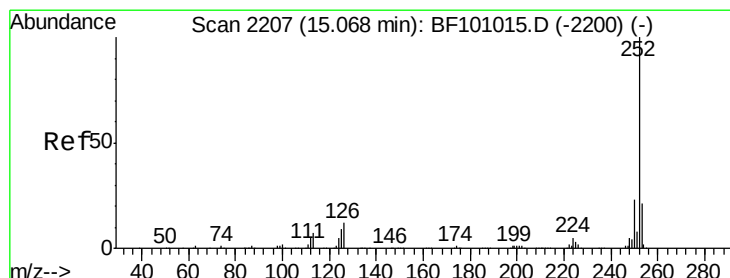
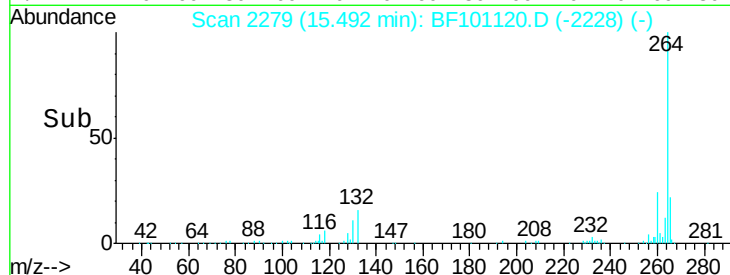
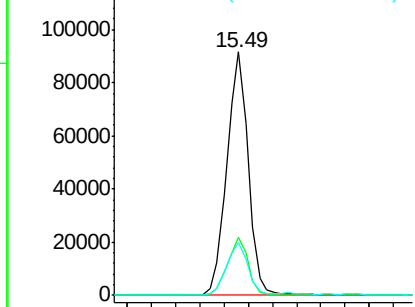
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 113057
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.0 17.5 26.3

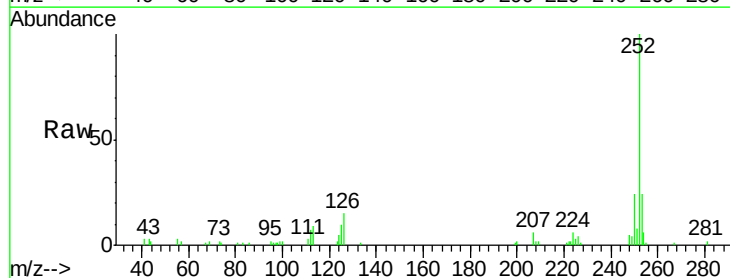


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

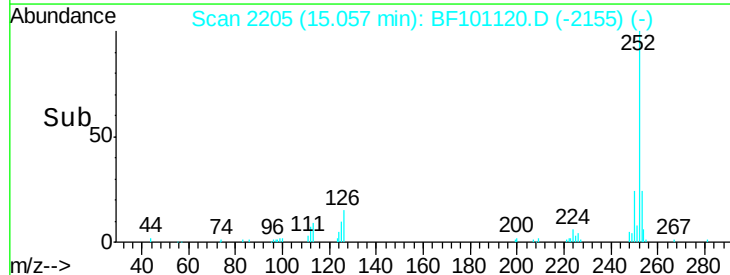
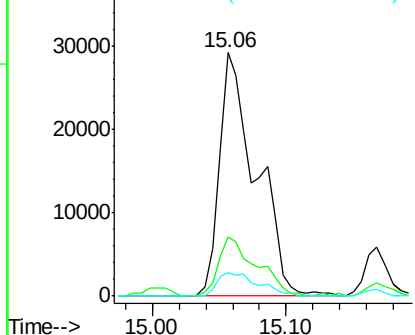


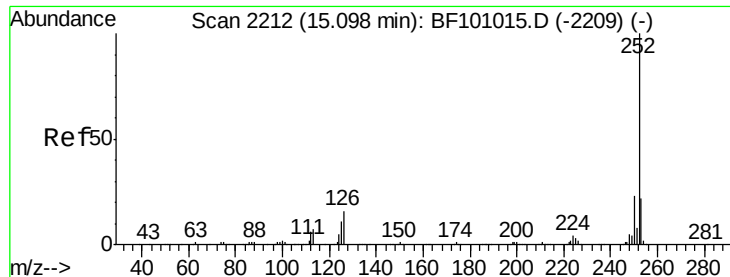
#87
Benzo(b)fluoranthene
Concen: 8.26 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion:252 Resp: 55951
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 9.5 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

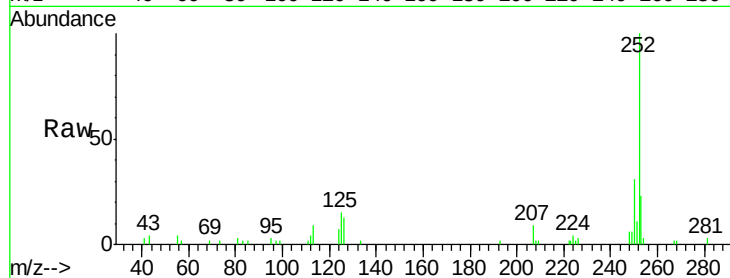




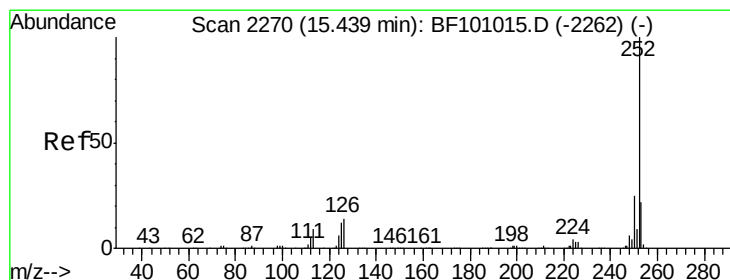
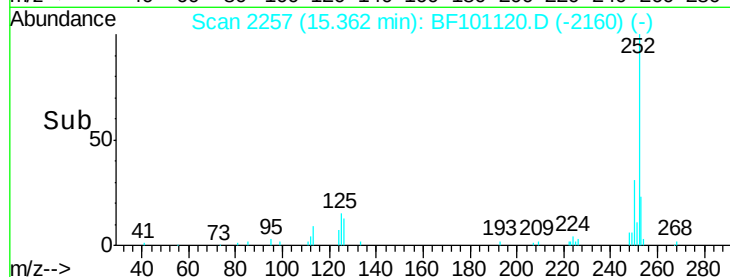
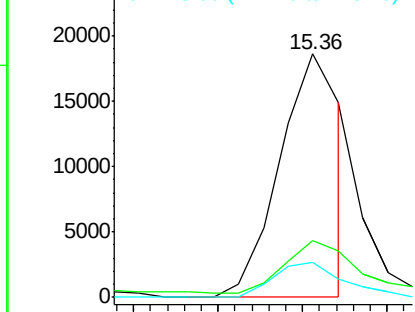
#88
Benzo(k)fluoranthene
Concen: 2.82 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.27 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 18812
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 14.5 10.2 15.2

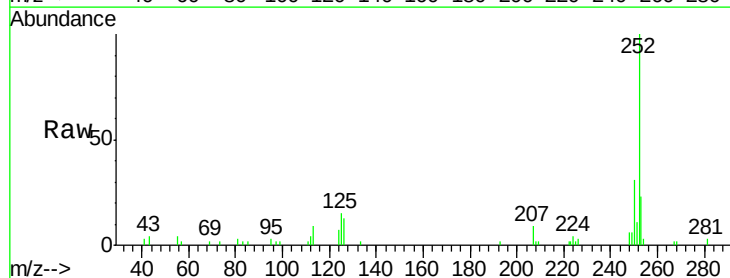


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

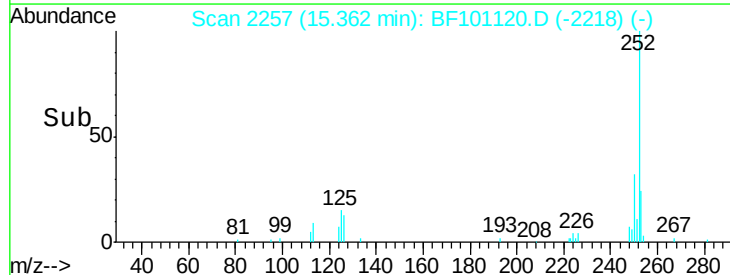
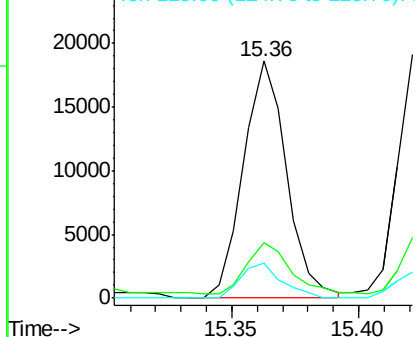


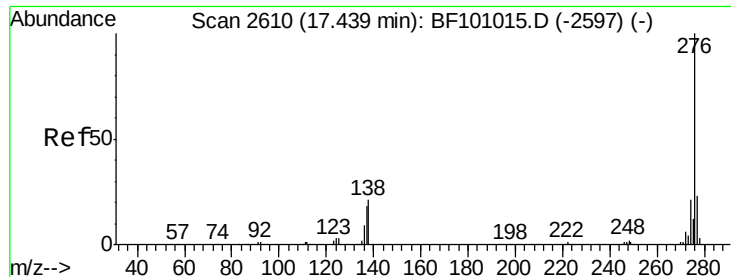
#89
Benzo(a)pyrene
Concen: 3.58 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.07 min
Lab File: BF101120.D
Acq: 5 Dec 2017 13:21

Tgt Ion:252 Resp: 22059
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 14.5 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(a,h,i)perylene

Concen: 5.19 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF101120.D

Acq: 5 Dec 2017 13:21

Instrument :

BNA_F

ClientSampleId :

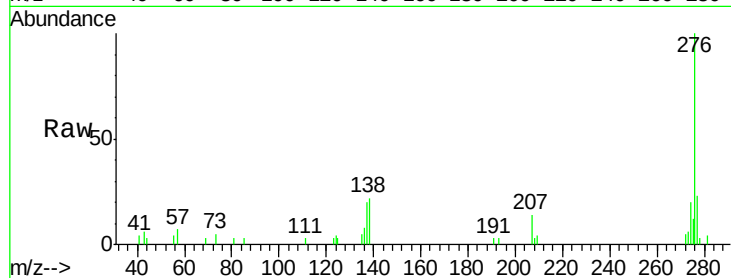
Tot Ion:276 Resp: 26571

Ion Ratio Lower Upper

276 100

277 22.9 17.9 26.9

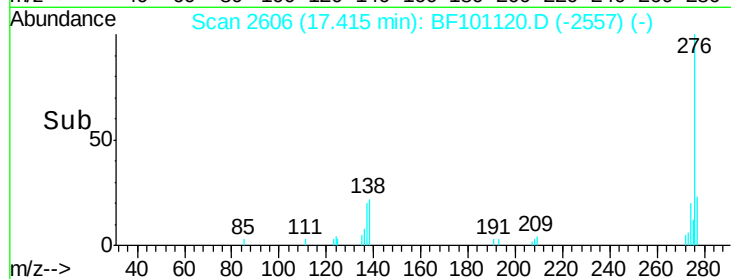
138 21.8 21.8 32.8



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



Time-->

