

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101609.D
 Acq On : 21 Dec 2017 16:17
 Operator : SJ/JU
 Sample : I6988-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

Quant Time: Dec 21 18:11:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138657	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	538339	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	203625	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	306337	20.00	ng	0.00
75) Chrysene-d12	13.97	240	289741	20.00	ng	0.00
86) Perylene-d12	15.44	264	233925	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1173685	126.09	ng	0.02
7) Phenol-d6	6.45	99	1418848	122.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	890090	92.04	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	224409	114.37	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1318929	100.48	ng	0.00
78) Terphenyl-d14	12.91	244	983855	81.86	ng	0.00

Target Compounds

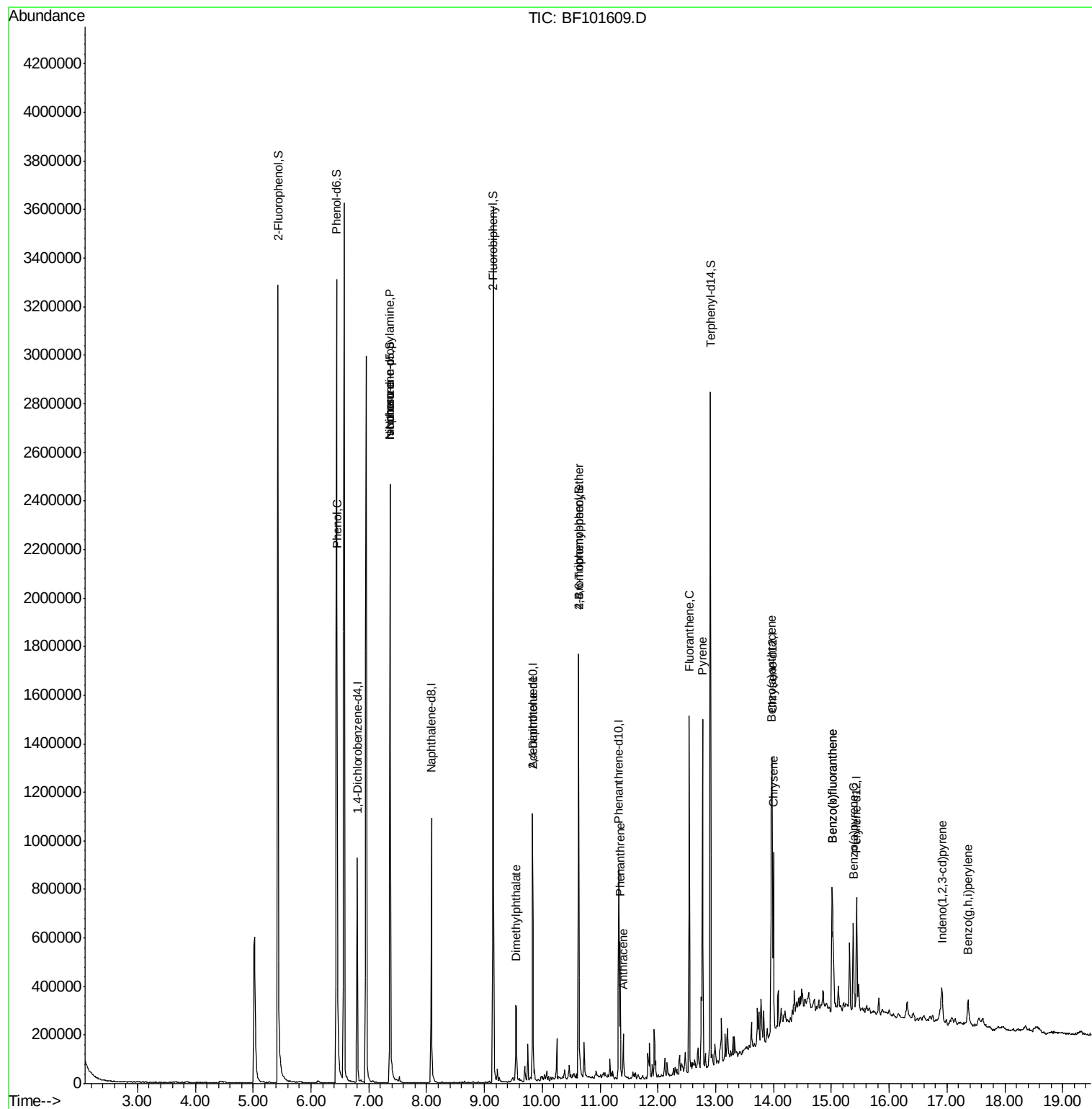
						Qvalue
10) Phenol	6.46	94	42175	3.194	ng	80
19) n-Nitroso-di-n-propylamine	7.37	70	122385	16.086	ng	# 83
25) Isophorone	7.37	82	890084	45.879	ng	# 64
49) Dimethylphthalate	9.55	163	133938	8.178	ng	99
56) 2,4-Dinitrotoluene	9.83	165	26459	7.055	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	14496	4.211	ng	# 1
70) Phenanthrene	11.34	178	216235	12.693	ng	97
71) Anthracene	11.40	178	78886	4.533	ng	96
74) Fluoranthene	12.54	202	637396	35.645	ng	97
77) Pyrene	12.77	202	599952	27.590	ng	99
80) Benzo(a)anthracene	13.96	228	322408	16.852	ng	98
82) Chrysene	14.00	228	273390	15.134	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	90087	5.600	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	386864	27.133	ng	97
88) Benzo(k)fluoranthene	15.02	252	386864	27.906	ng	100
89) Benzo(a)pyrene	15.38	252	181173	13.784	ng	95
91) Benzo(g,h,i)perylene	17.36	276	82506	7.383	ng	96

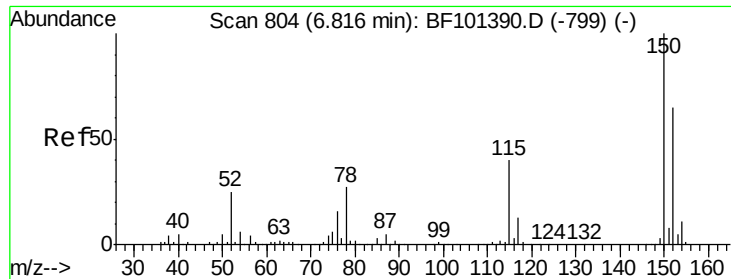
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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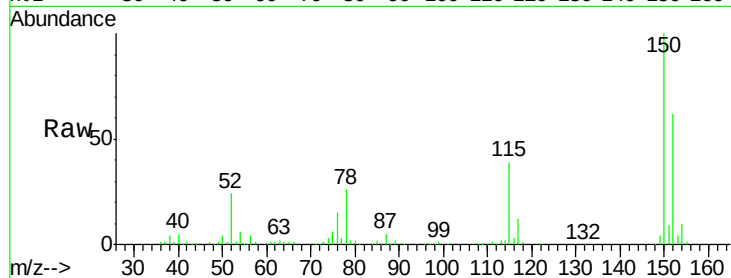




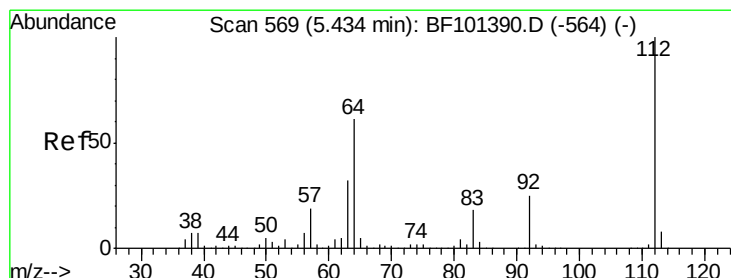
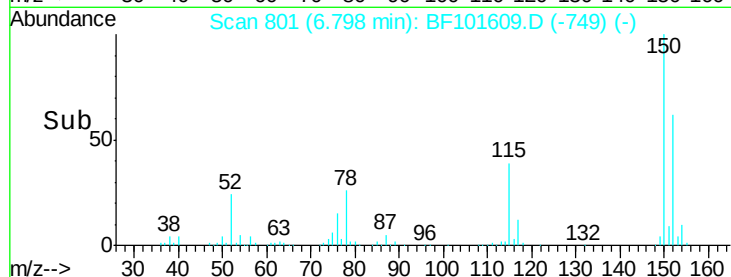
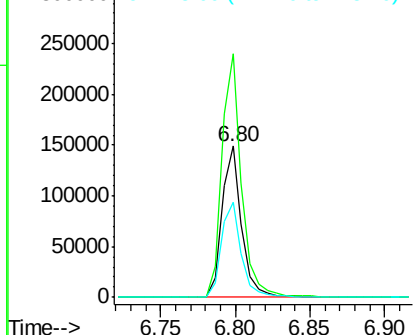
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

Tgt Ion:152 Resp: 138657
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 63.1 50.1 75.1

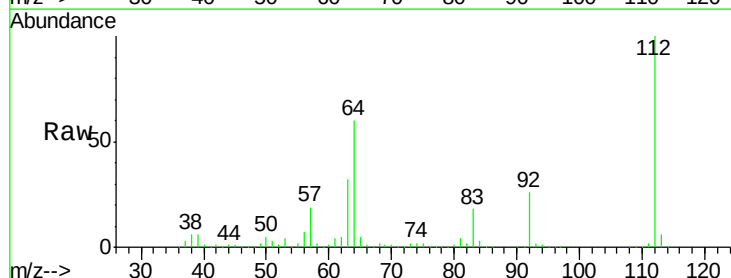


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

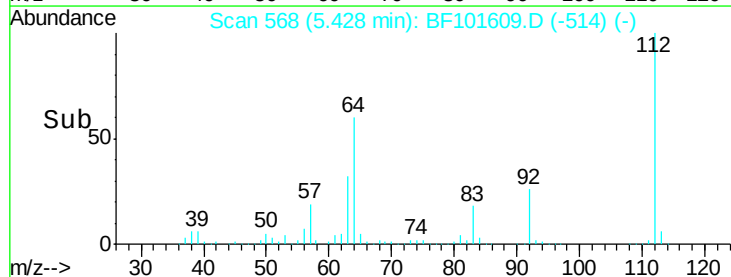
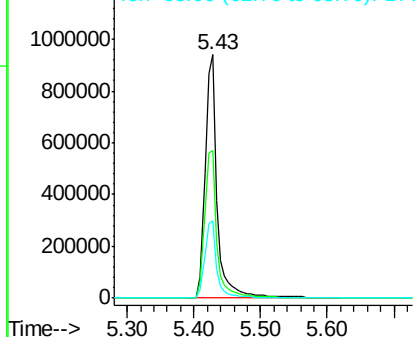


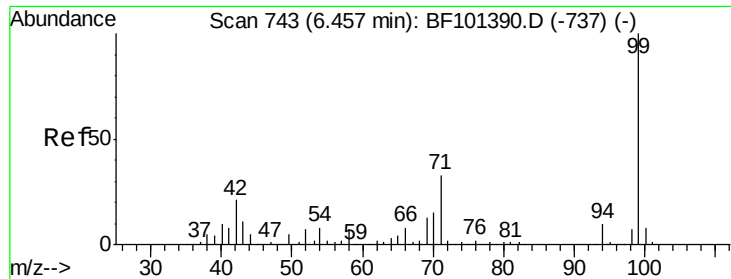
#5
 2-Fluorophenol
 Concen: 126.088 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion:112 Resp: 1173685
 Ion Ratio Lower Upper
 112 100
 64 60.4 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





#7

Phenol-d6

Concen: 122.476 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

ClientSampleId :

RT4008-RT3867-RT3075

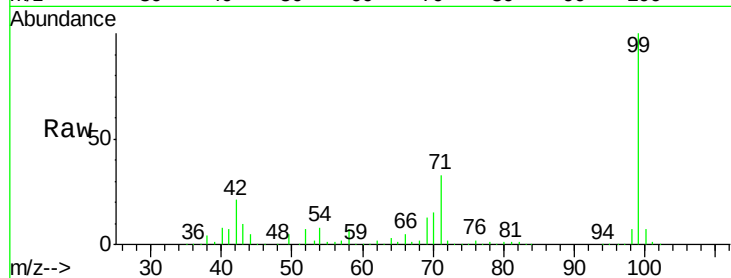
Tgt Ion: 99 Resp: 1418848

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

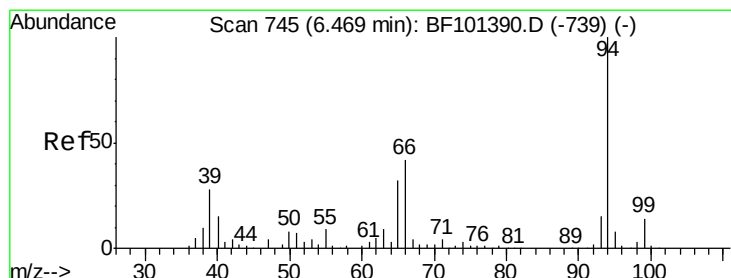
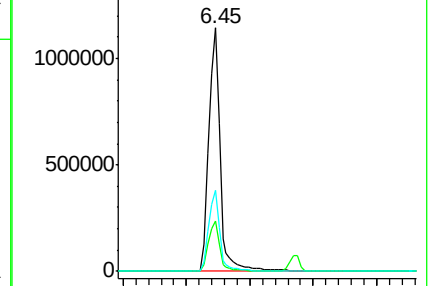
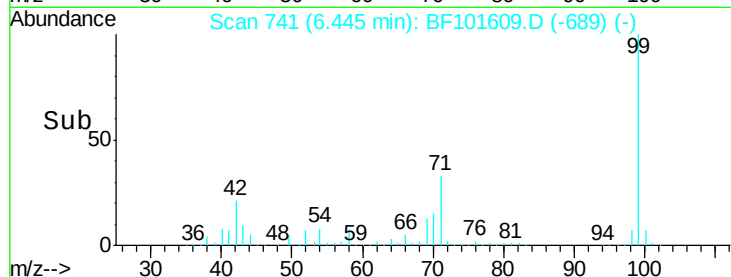
71 33.4 25.4 38.0



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: 3.194 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

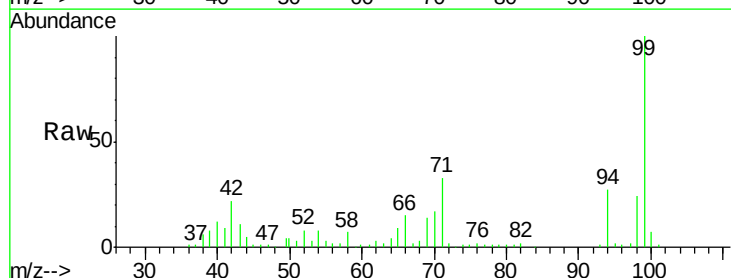
Tgt Ion: 94 Resp: 42175

Ion Ratio Lower Upper

94 100

65 32.0 7.9 47.9

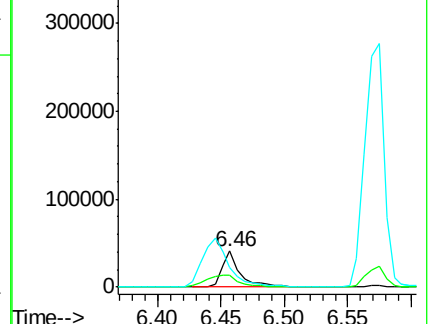
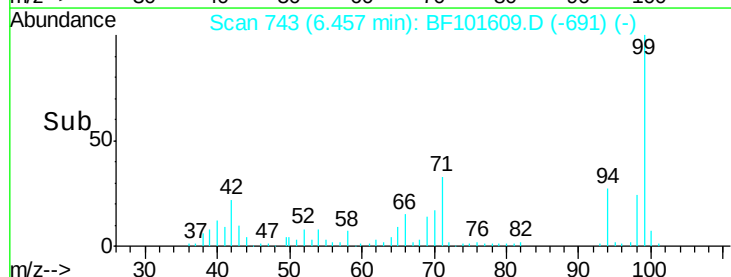
66 53.3 16.2 56.2

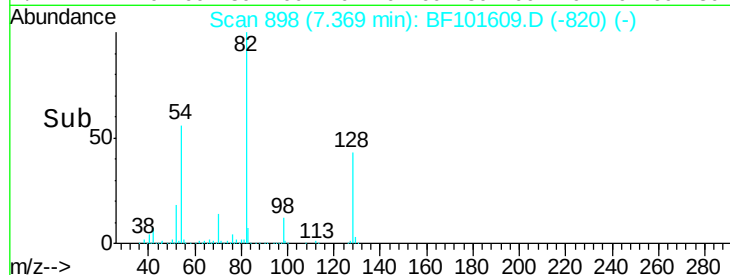
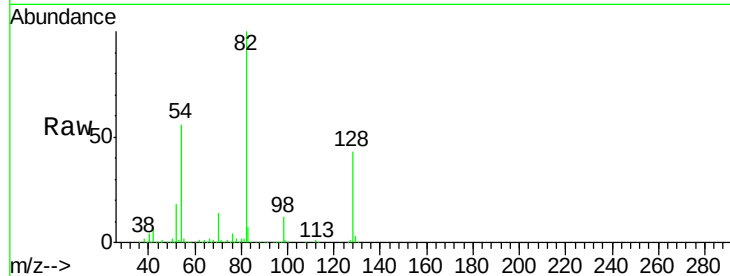
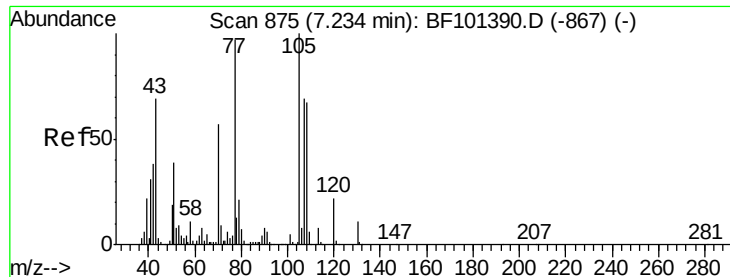


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

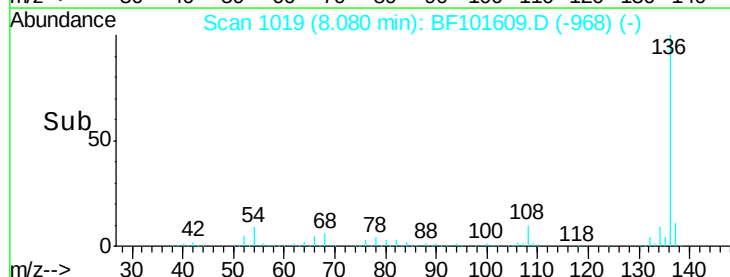
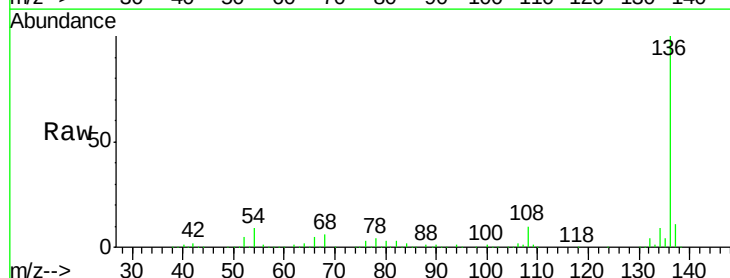
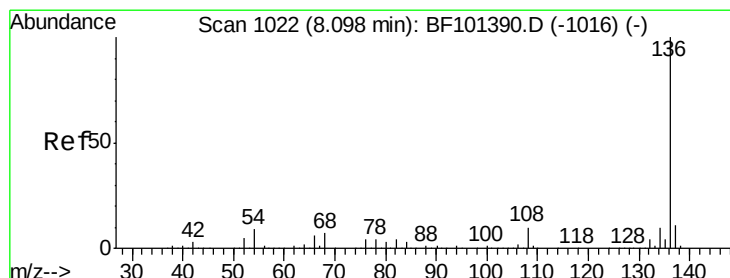
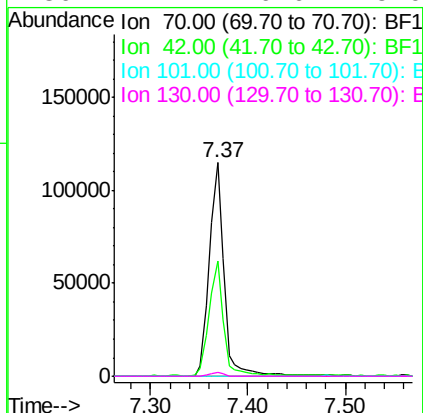




#19
n-Nitroso-di-n-propylamine
Concen: 16.086 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.16 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

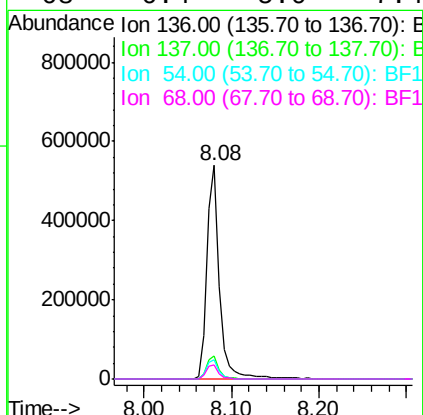
Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

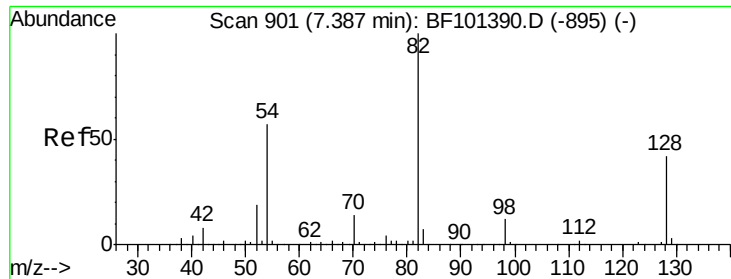
Tgt Ion: 70 Resp: 122385
Ion Ratio Lower Upper
70 100
42 53.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion: 136 Resp: 538339
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.8 6.6 9.8
68 6.4 5.0 7.4

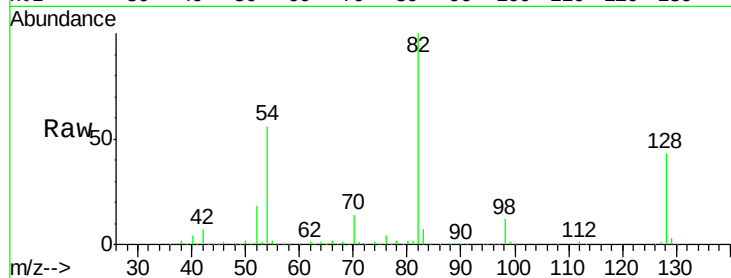




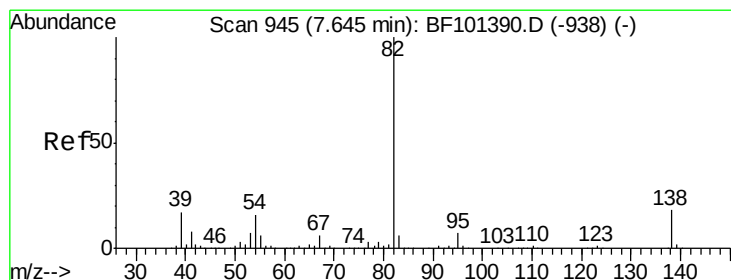
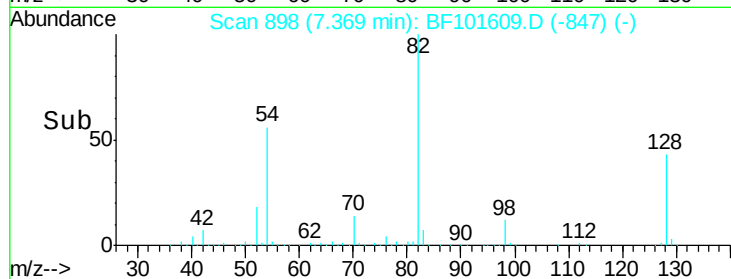
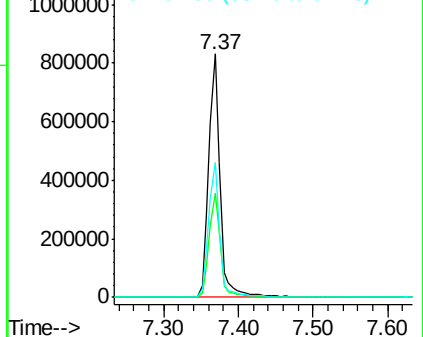
#23
 Nitrobenzene-d5
 Concen: 92.038 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

Tgt Ion: 82 Resp: 890090
 Ion Ratio Lower Upper
 82 100
 128 42.8 36.1 54.1
 54 55.5 41.4 62.2

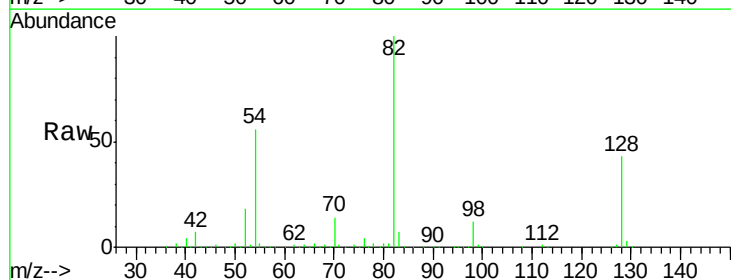


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

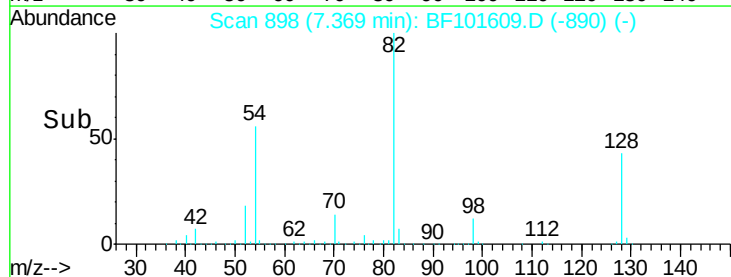
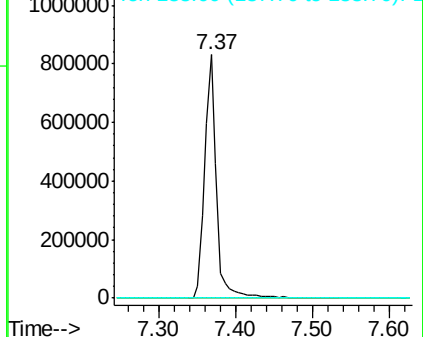


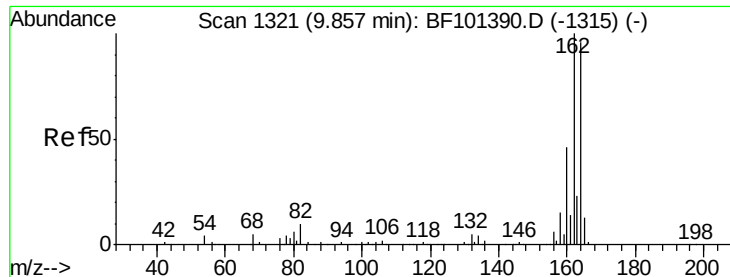
#25
 Isophorone
 Concen: 45.879 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.25 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion: 82 Resp: 890084
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

ClientSampleId :

RT4008-RT3867-RT3075

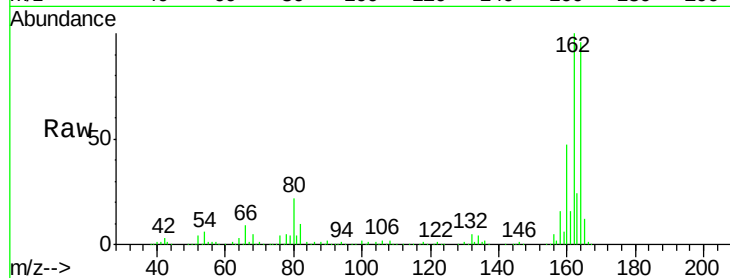
Tgt Ion:164 Resp: 203625

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

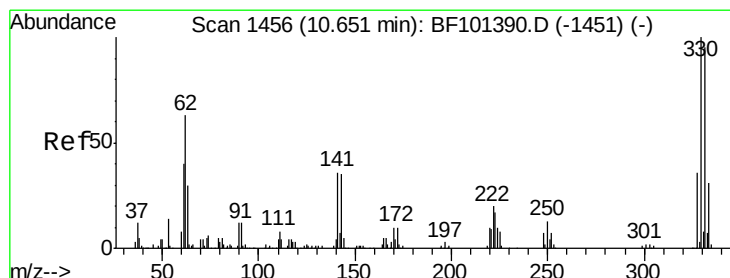
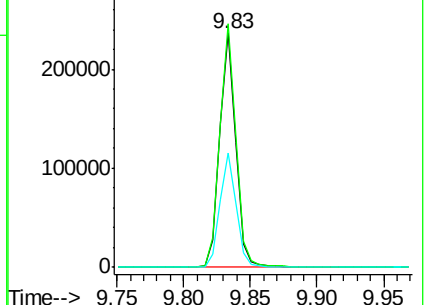
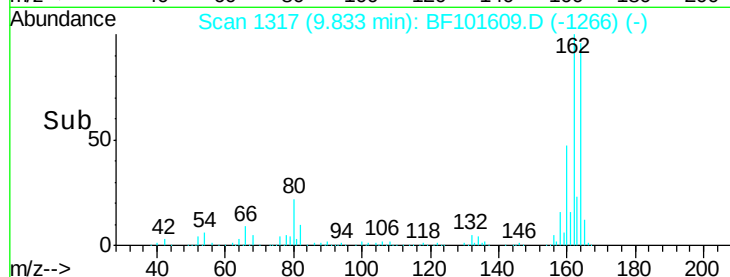
160 48.9 38.3 57.5



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: 114.373 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

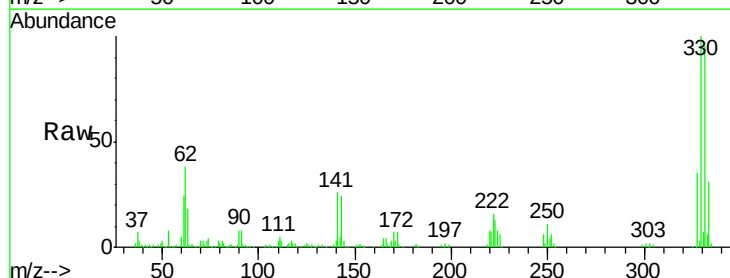
Tgt Ion:330 Resp: 224409

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

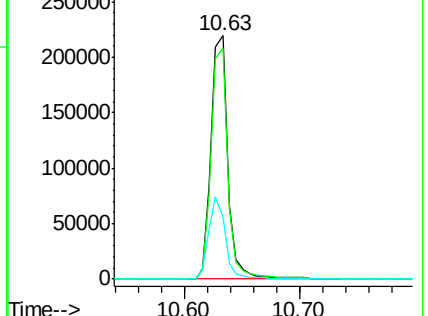
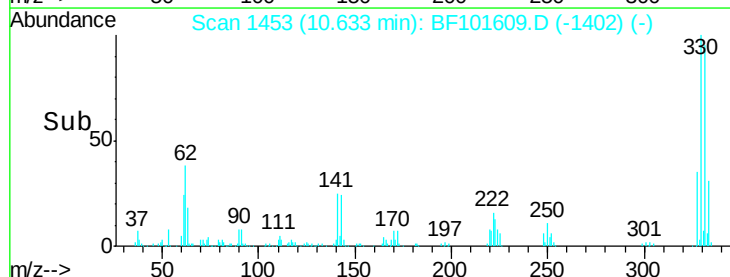
141 33.7 29.9 44.9

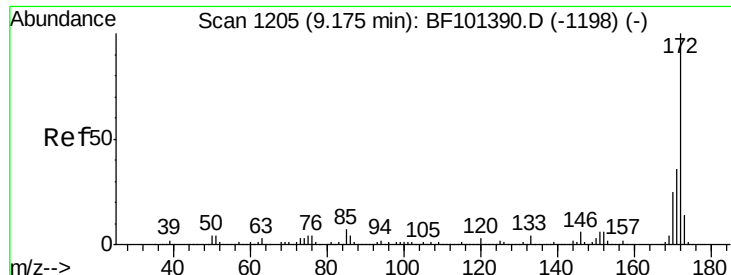


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

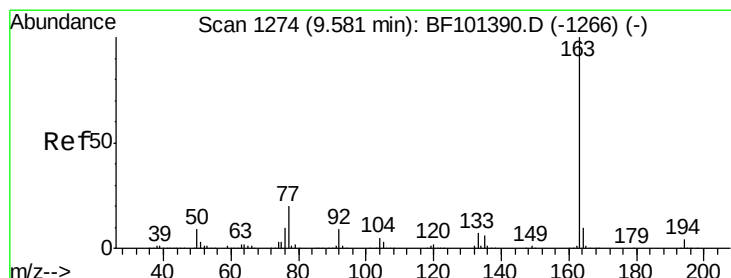
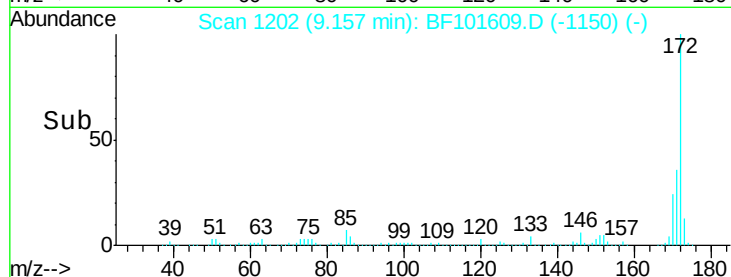
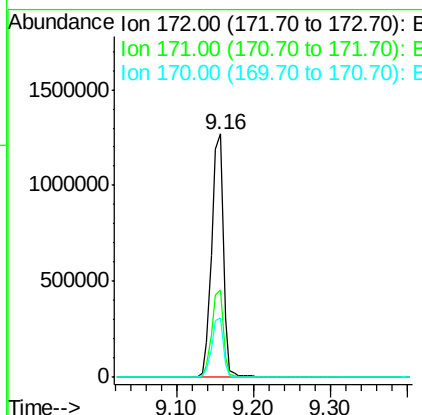
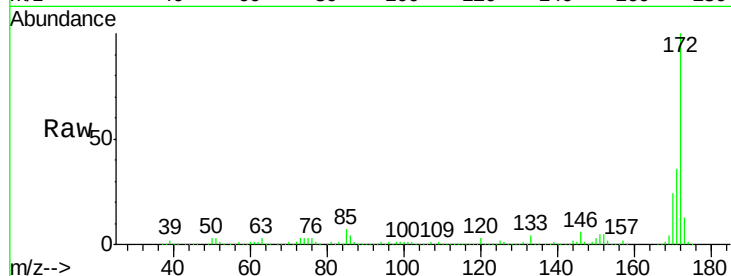




#44
 2-Fluorobiphenyl
 Concen: 100.478 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

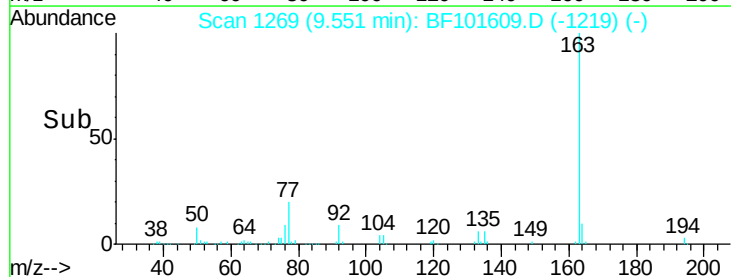
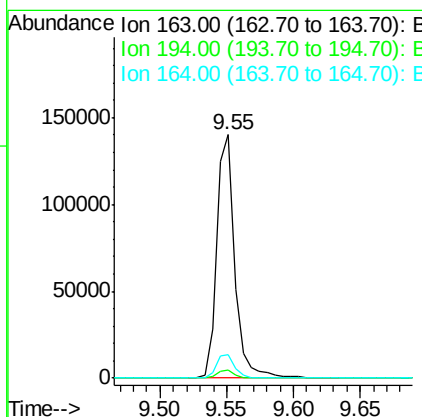
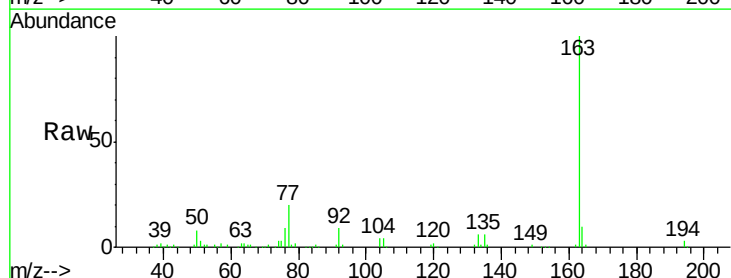
Instrument :
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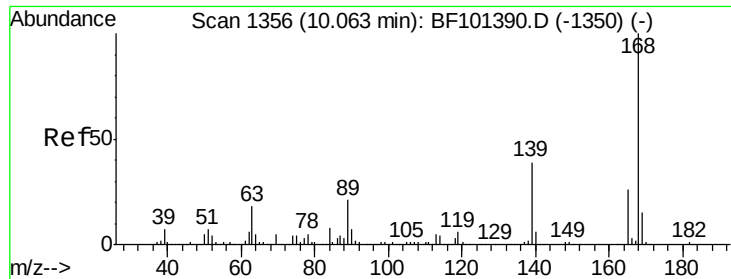
Tgt Ion:172 Resp: 1318929
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.2 19.6 29.4



#49
 Dimethylphthalate
 Concen: 8.178 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion:163 Resp: 133938
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 9.6 8.2 12.2

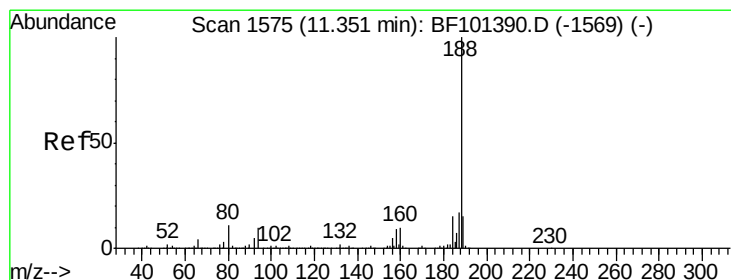
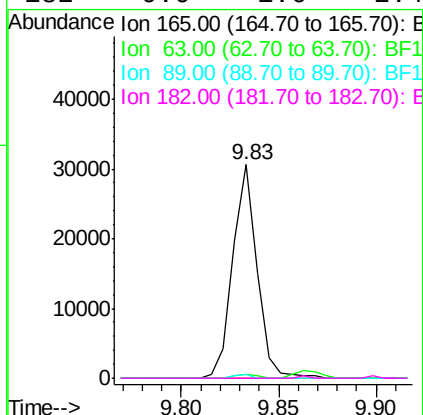
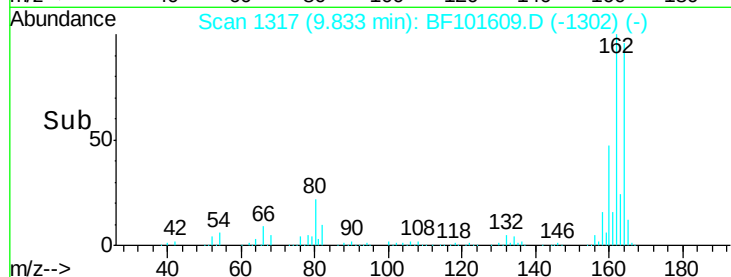
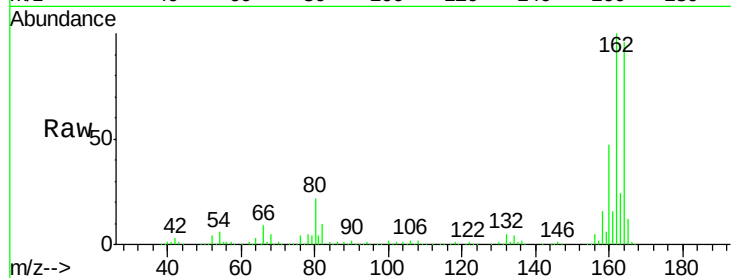




#56
 2,4-Dinitrotoluene
 Concen: 7.055 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

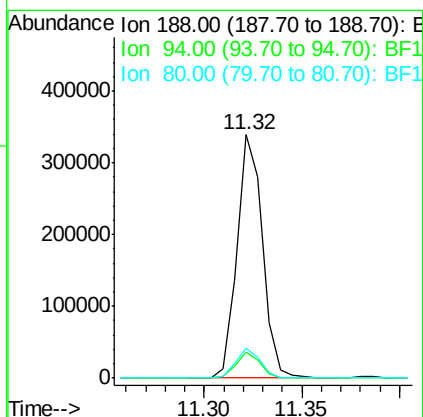
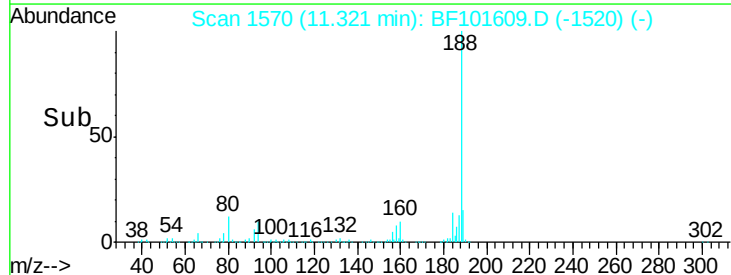
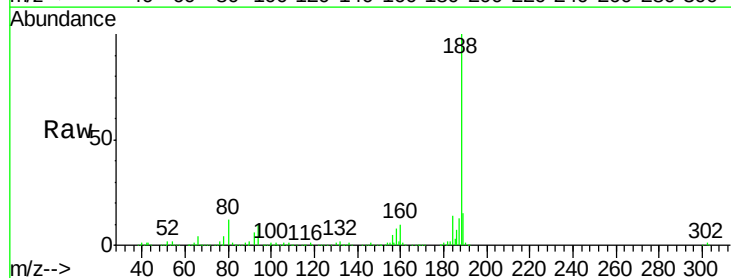
Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

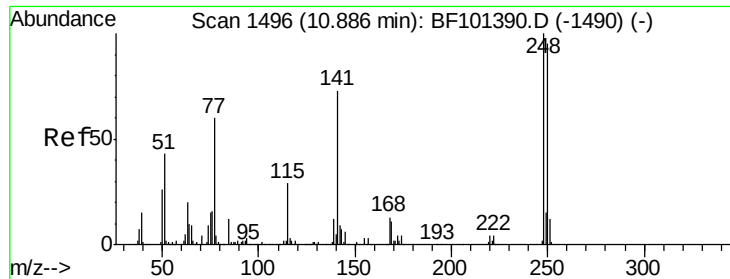
Tgt Ion:	165	Resp:	26459
Ion Ratio	Lower	Upper	
165	100		
63	1.6	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion:	188	Resp:	306337
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.5	12.7
80	12.5	9.2	13.8

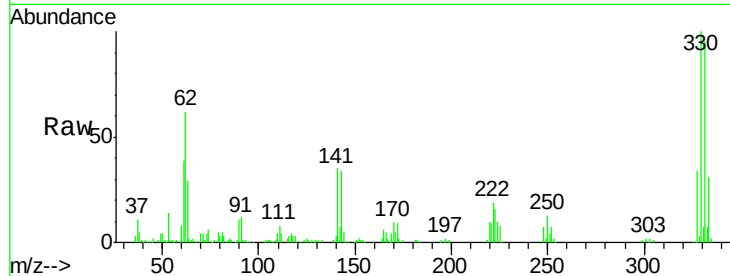




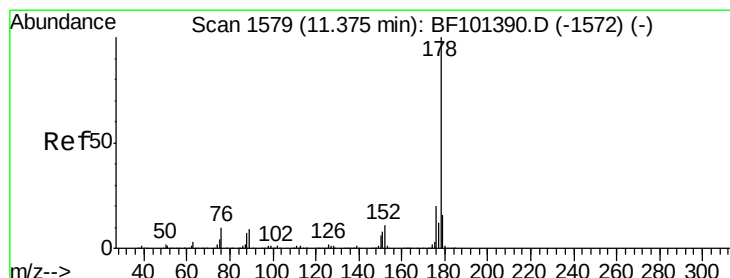
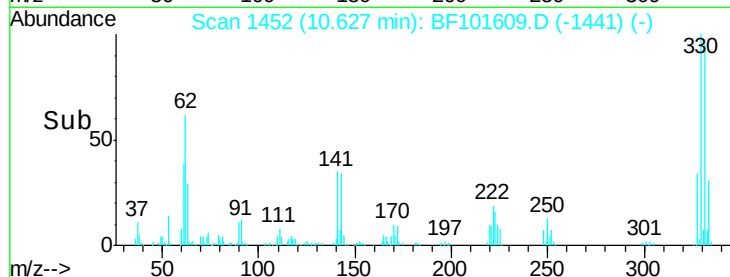
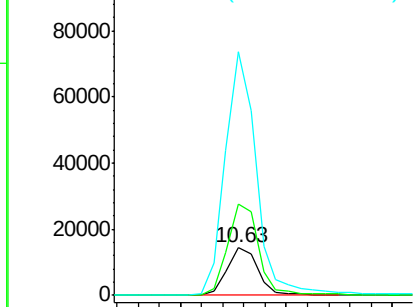
#66
 4-Bromophenyl-phenylether
 Concen: 4.211 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.1	76.9	115.3#
141	510.9	74.4	111.6#

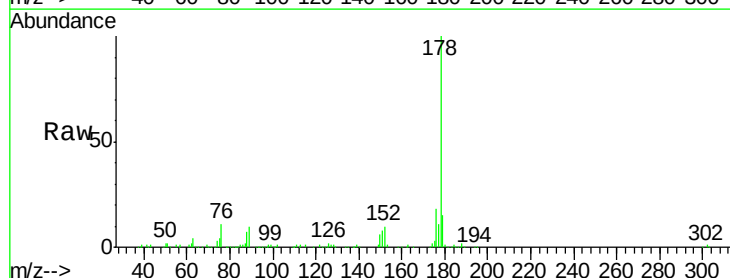


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

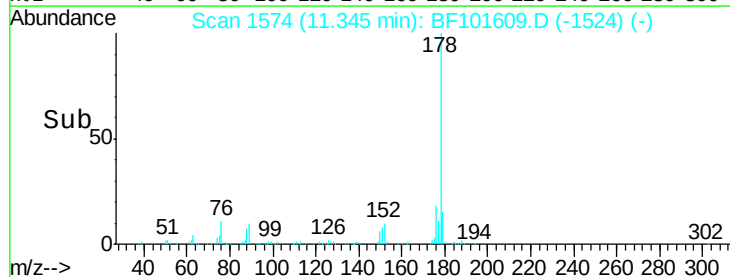
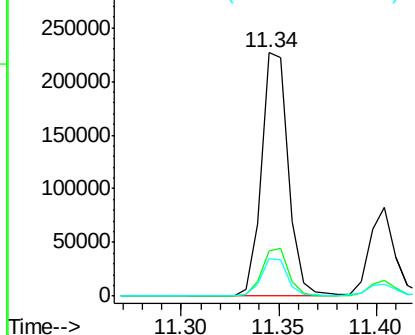


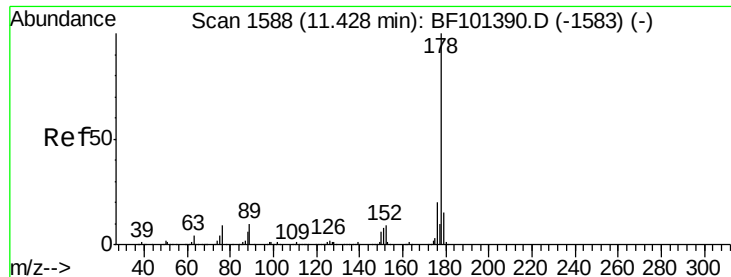
#70
 Phenanthrene
 Concen: 12.693 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.2	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

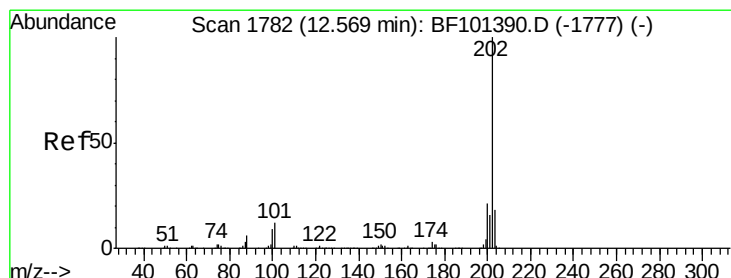
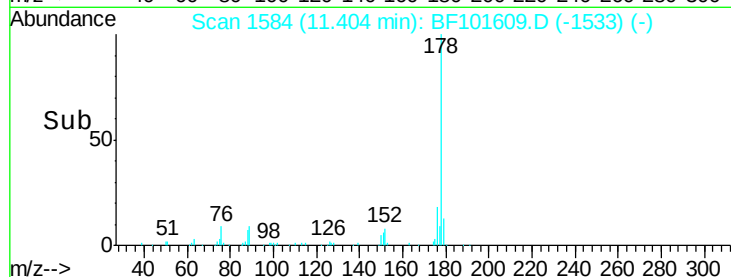
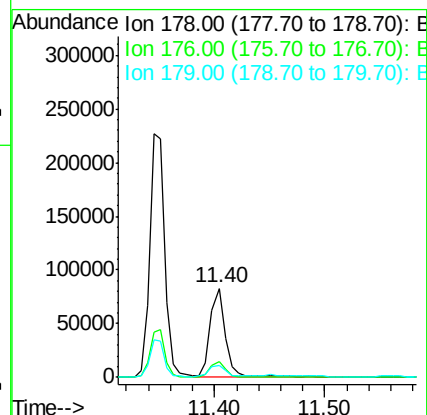
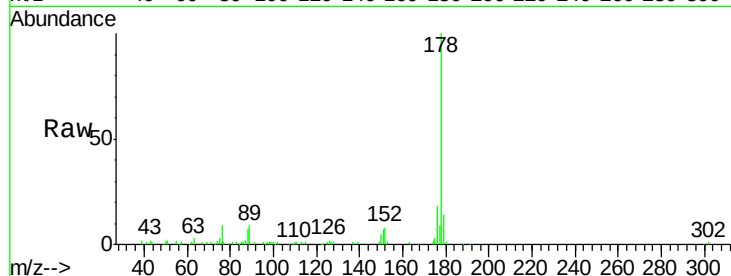




#71
 Anthracene
 Concen: 4.533 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

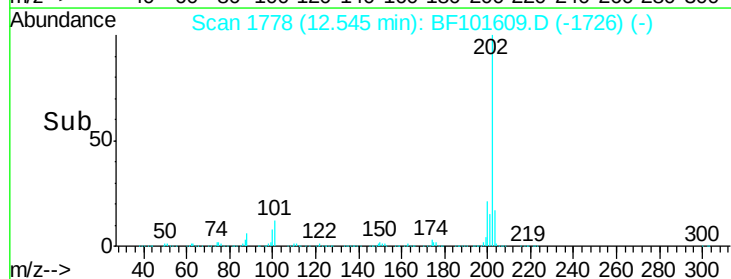
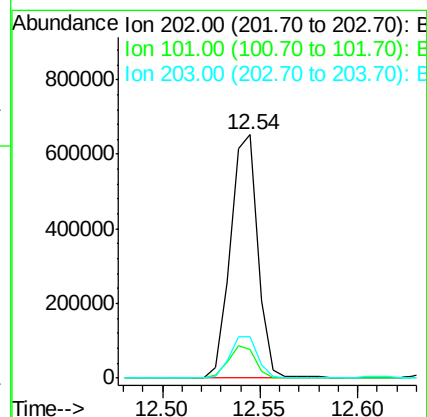
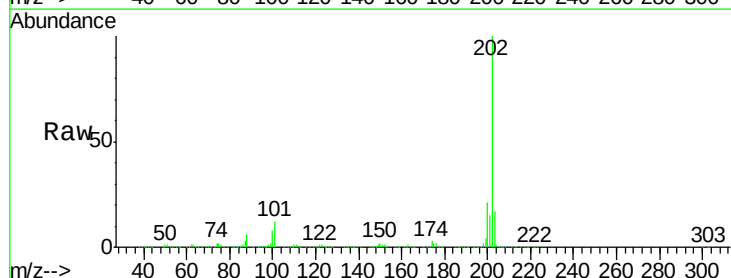
Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

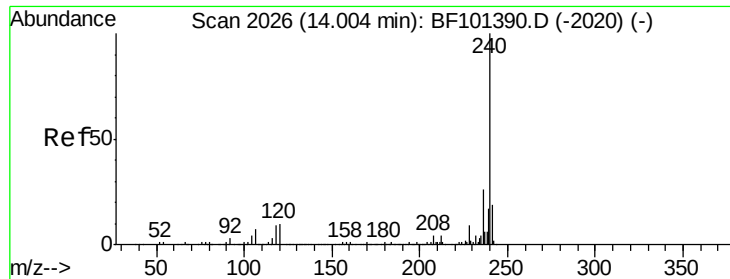
Tgt Ion:178 Resp: 78886
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 13.5 12.6 19.0



#74
 Fluoranthene
 Concen: 35.645 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion:202 Resp: 637396
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 34.1
 203 17.3 0.0 38.1

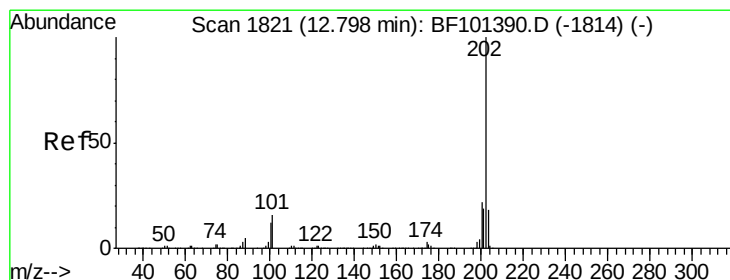
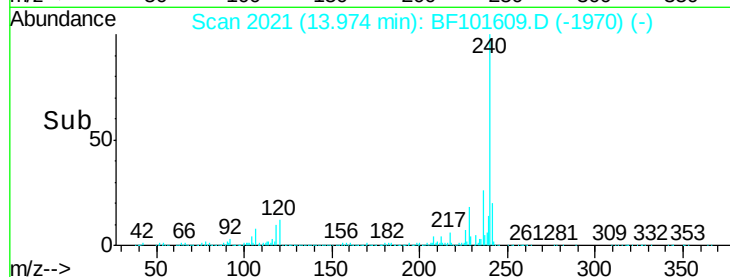
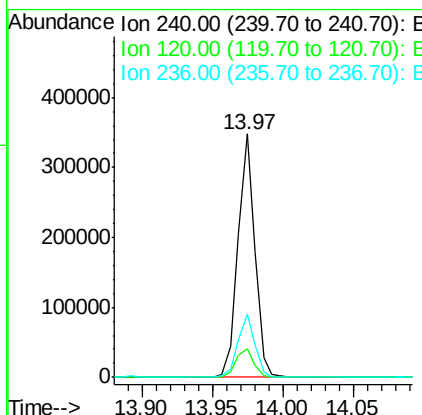
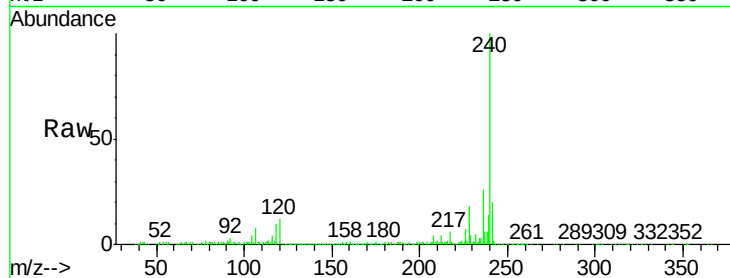




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

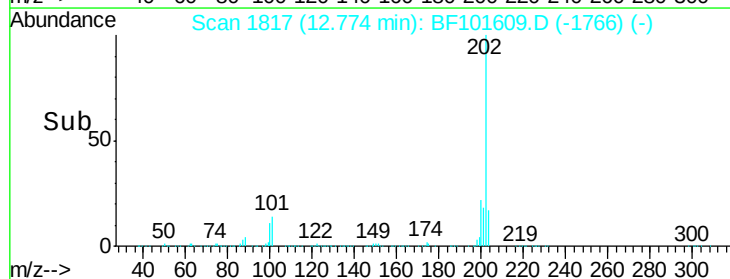
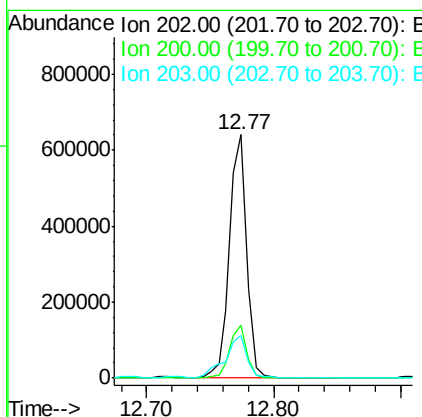
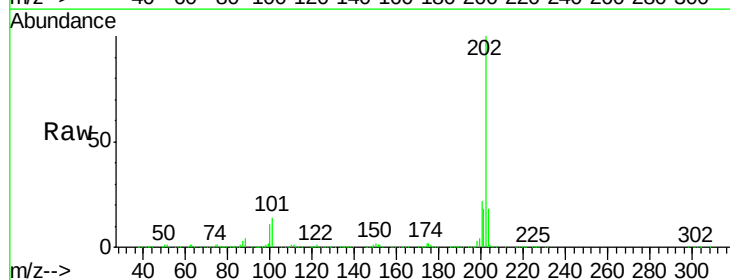
Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

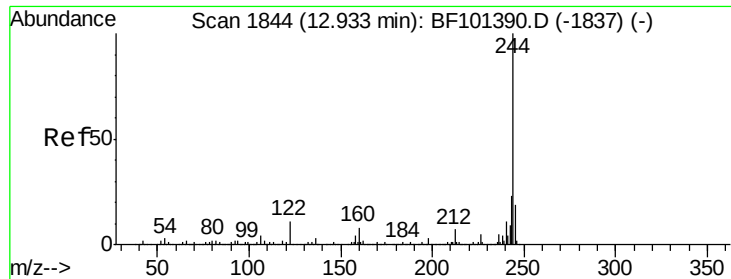
Tgt Ion:240 Resp: 289741
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 26.1 20.7 31.1



#77
Pyrene
Concen: 27.590 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion:202 Resp: 599952
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.6 14.3 21.5

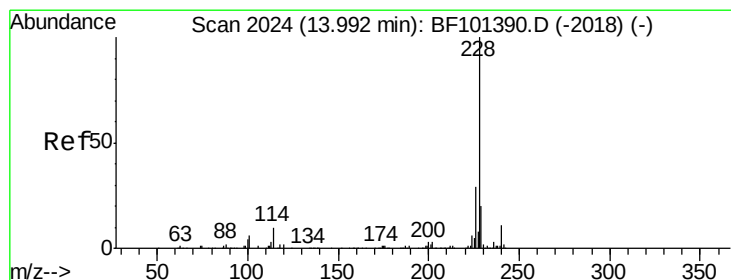
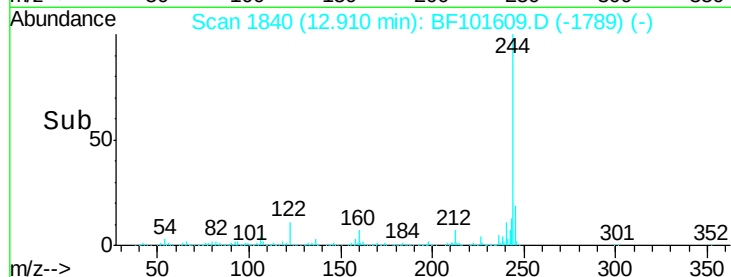
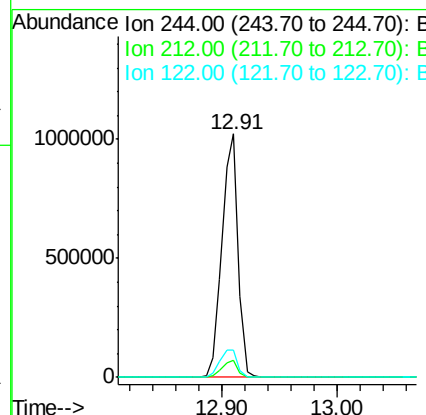
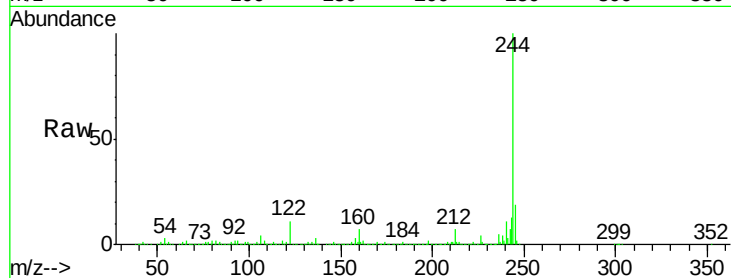




#78
 Terphenyl-d14
 Concen: 81.861 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

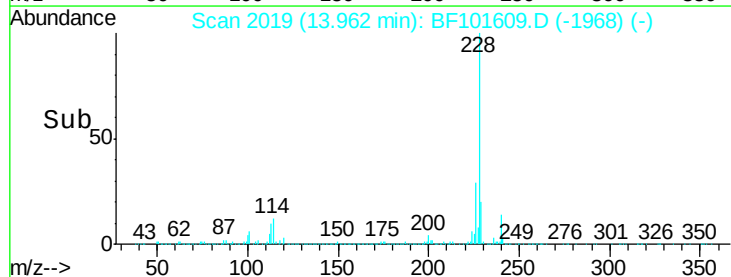
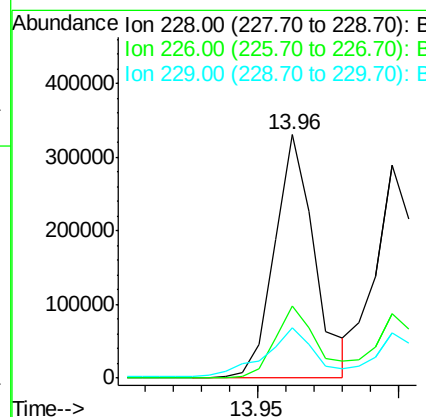
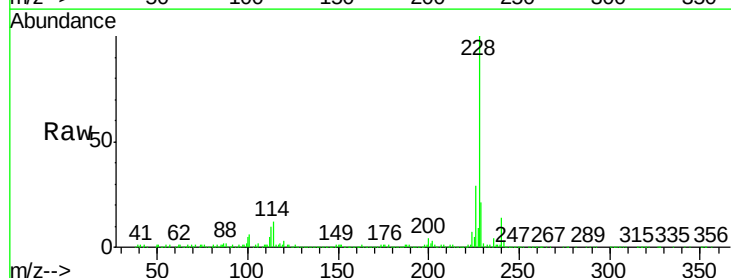
Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

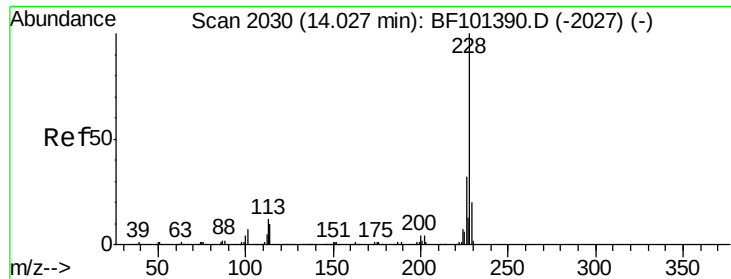
Tgt Ion:244 Resp: 983855
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 16.852 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion:228 Resp: 322408
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.6 33.8
 229 20.7 15.8 23.6





#82

Chrysene

Concen: 15.134 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

ClientSampleId :

RT4008-RT3867-RT3075

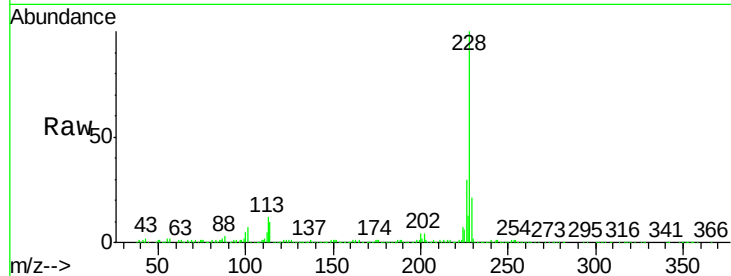
Tgt Ion:228 Resp: 273390

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

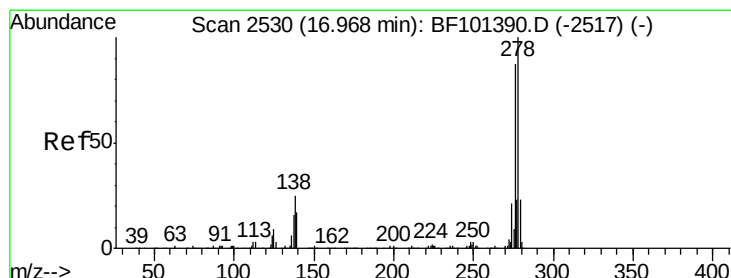
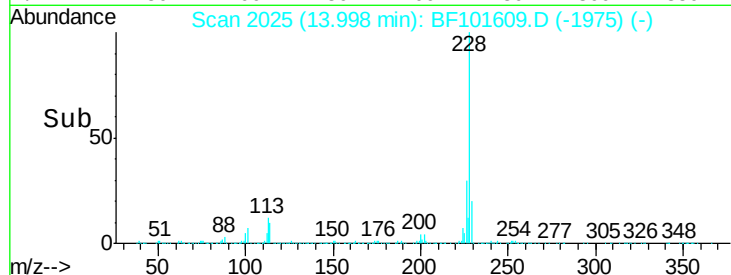
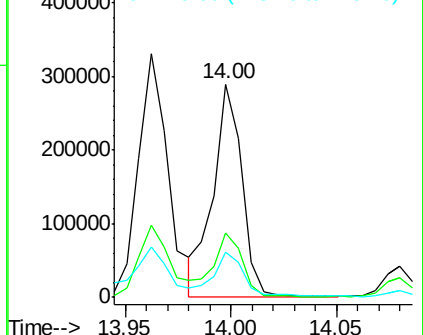
229 21.1 16.2 24.4



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: 5.600 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

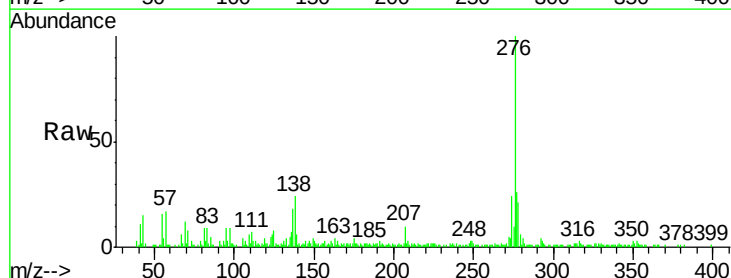
Tgt Ion:276 Resp: 90087

Ion Ratio Lower Upper

276 100

138 23.3 25.0 37.6#

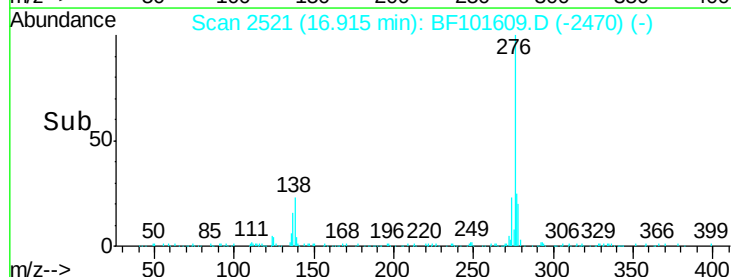
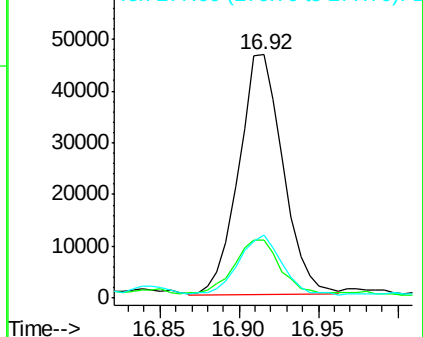
277 24.3 20.1 30.1

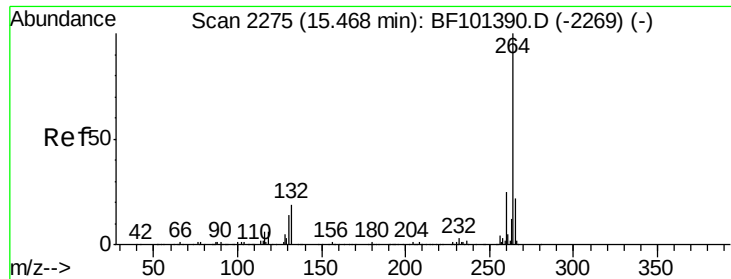


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



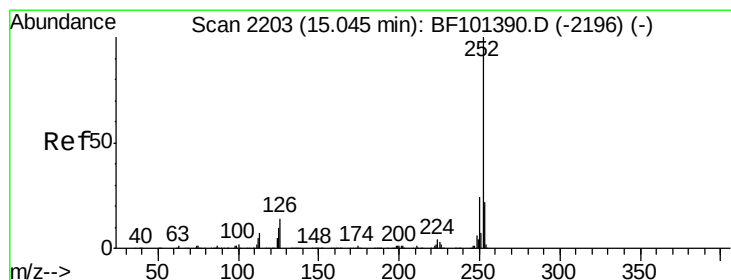
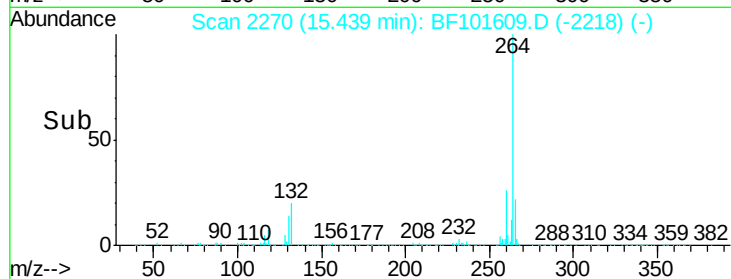
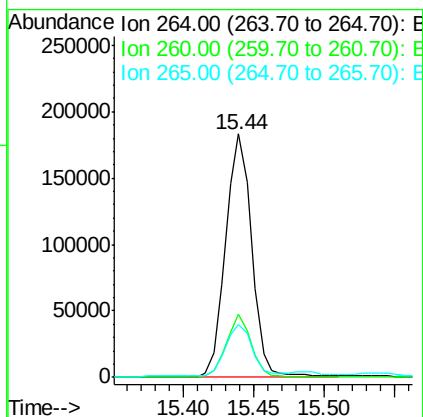
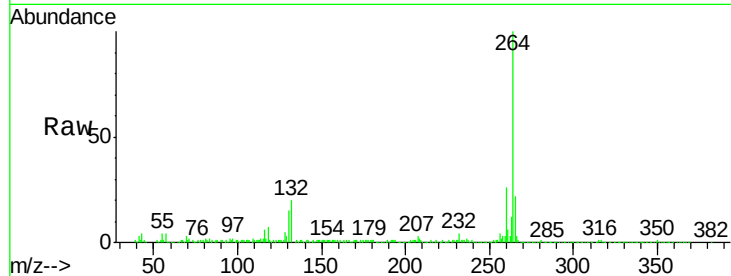


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tgt Ion: 264 Resp: 233925

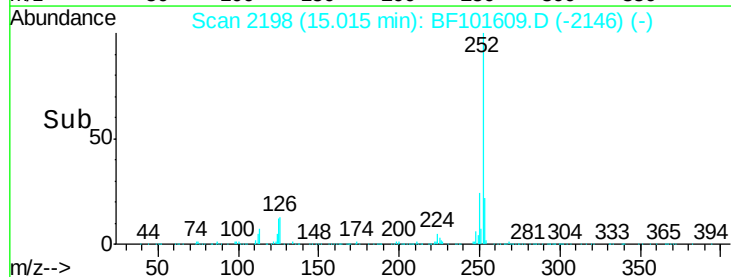
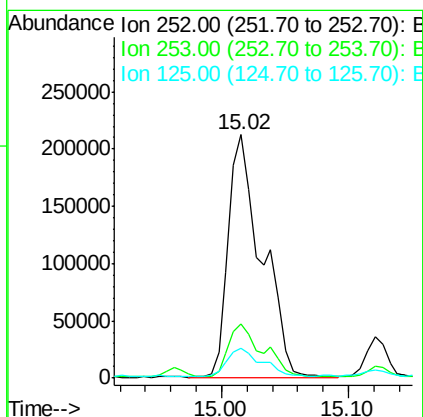
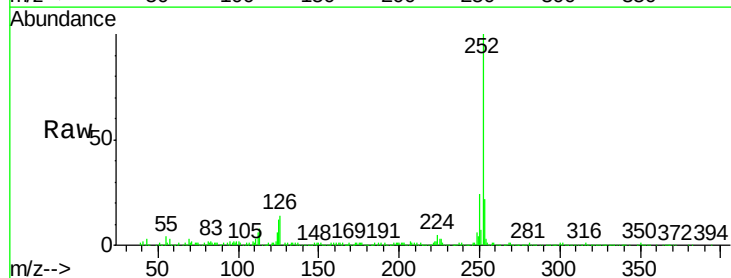
Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.2	28.8
265	22.0	17.5	26.3

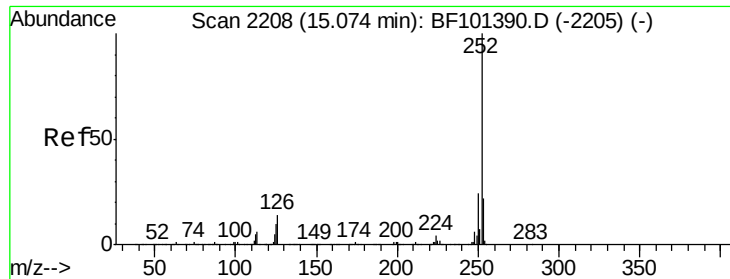


#87
Benzo(b)fluoranthene
Concen: 27.133 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion: 252 Resp: 386864

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	12.4	9.0	13.6

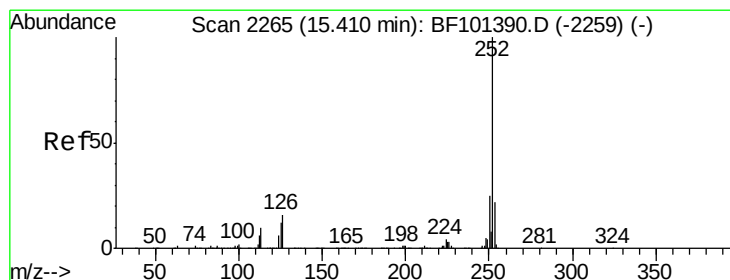
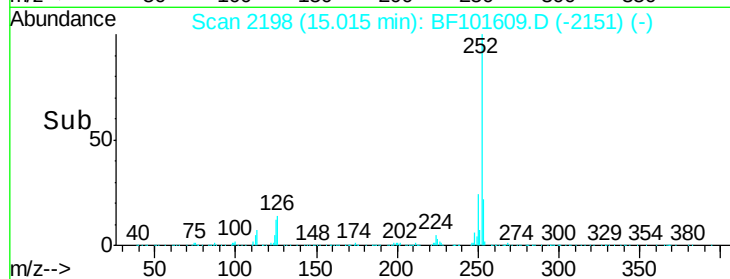
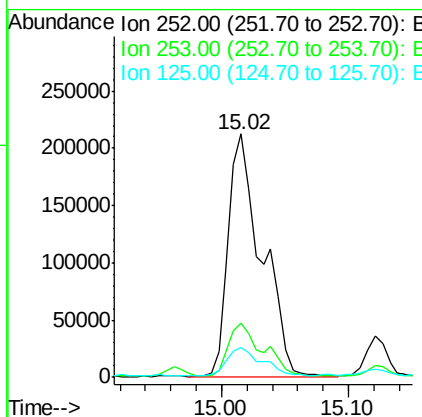
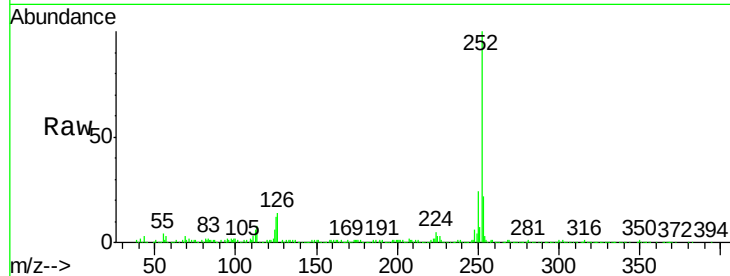




#88
Benzo(k)fluoranthene
Concen: 27.906 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

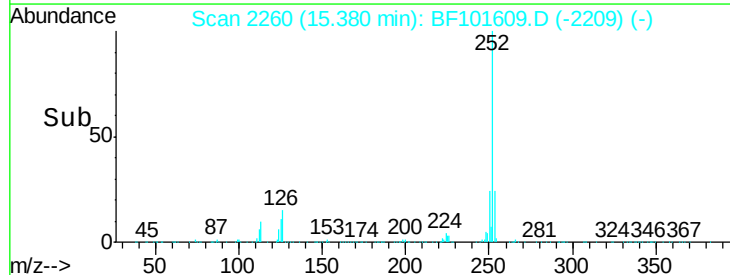
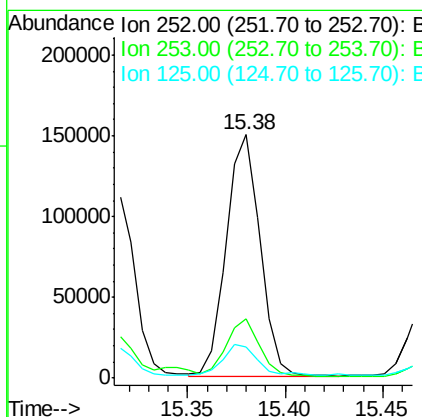
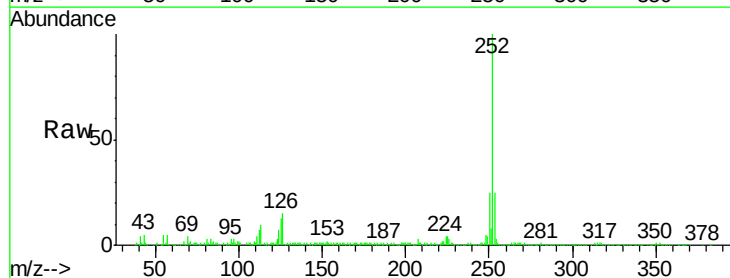
Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

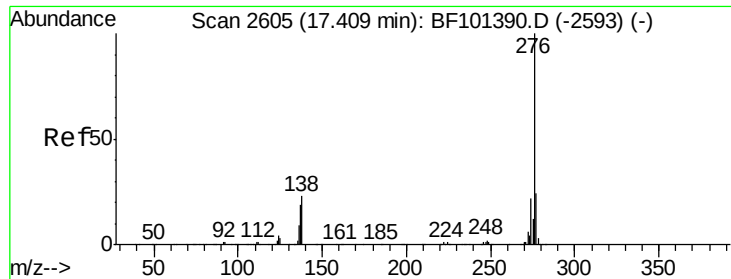
Tgt Ion:252 Resp: 386864
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 12.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 13.784 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion:252 Resp: 181173
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 12.6 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 7.383 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

ClientSampleId :

RT4008-RT3867-RT3075

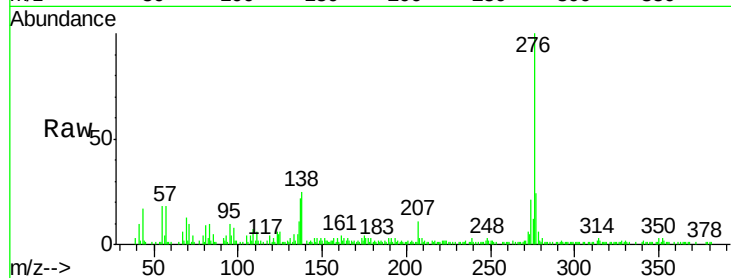
Tgt Ion: 276 Resp: 82506

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 25.3 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

