

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101204.D
 Acq On : 7 Dec 2017 14:48
 Operator : SJ/JU
 Sample : I6765-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 16:35:00 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	6.84	152	50438	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	195012	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	84621	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	138687	20.00	ng	0.00
75) Chrysene-d12	14.02	240	108583	20.00	ng	0.00
86) Perylene-d12	15.50	264	92274	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	303458	99.42	ng	0.00
7) Phenol-d6	6.48	99	371594	100.27	ng	0.00
23) Nitrobenzene-d5	7.41	82	223390	68.33	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	87988	86.56	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	458111	74.07	ng	-0.01
78) Terphenyl-d14	12.96	244	337511	67.99	ng	0.00

Target Compounds

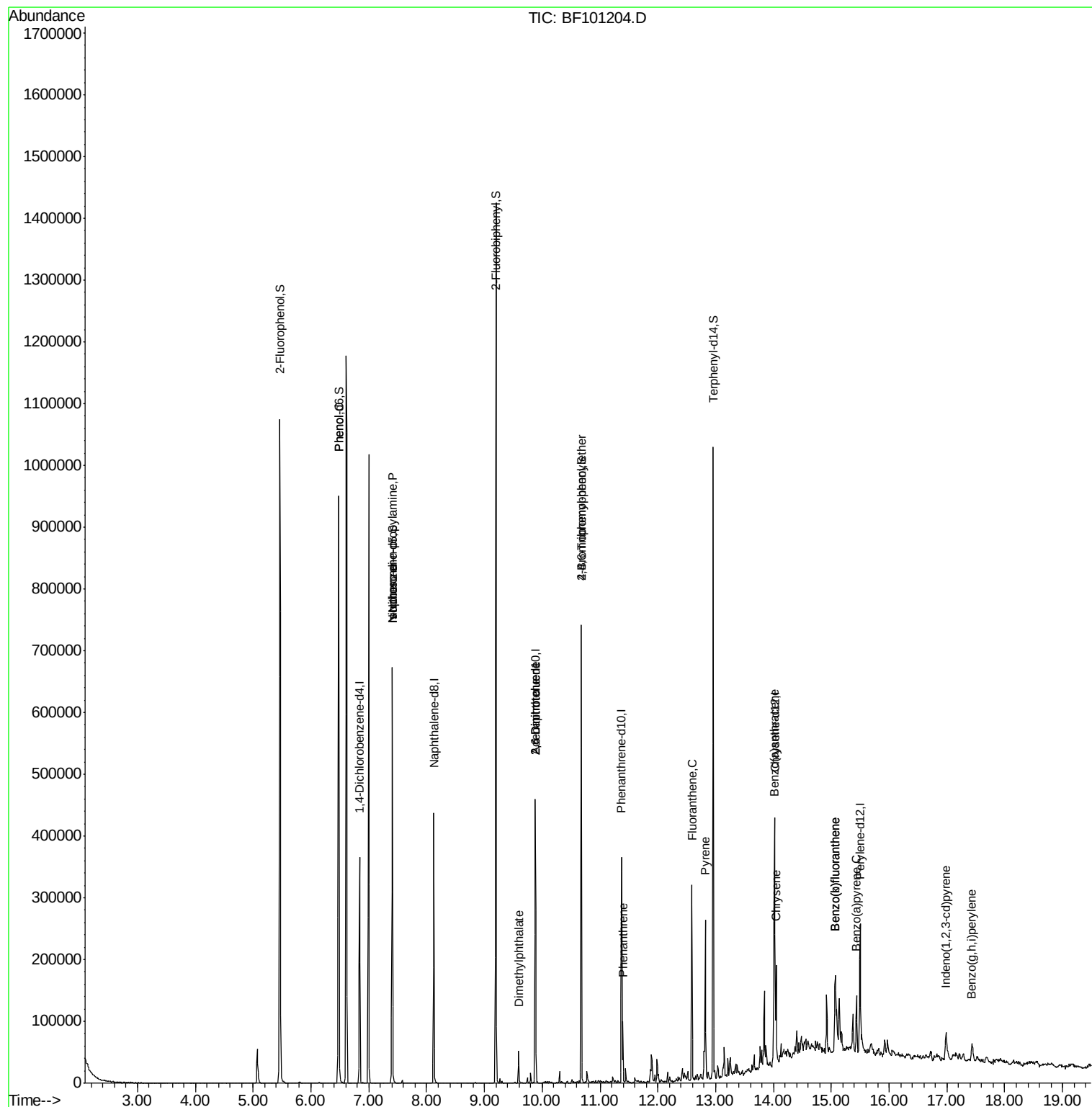
						Qvalue
10) Phenol	6.49	94	15479	3.756	ng	82
19) n-Nitroso-di-n-propylamine	7.41	70	28922	11.589	ng	# 78
25) Isophorone	7.41	82	223387	40.005	ng	# 64
49) Dimethylphthalate	9.59	163	19823	2.905	ng	98
50) 2,6-Dinitrotoluene	9.88	165	10489	7.297	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	10489	5.445	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	5586	3.598	ng	# 1
70) Phenanthrene	11.39	178	36962	4.840	ng	98
74) Fluoranthene	12.59	202	127283	15.035	ng	95
77) Pyrene	12.82	202	106882	14.265	ng	98
80) Benzo(a)anthracene	14.01	228	69360	10.117	ng	96
82) Chrysene	14.05	228	56867	8.931	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	26340	4.653	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	88922	16.089	ng	97
88) Benzo(k)fluoranthene	15.07	252	88922	16.330	ng	100
89) Benzo(a)pyrene	15.43	252	44764	8.909	ng	97
91) Benzo(a,h,i)perylene	17.44	276	22018	5.274	ng	# 92

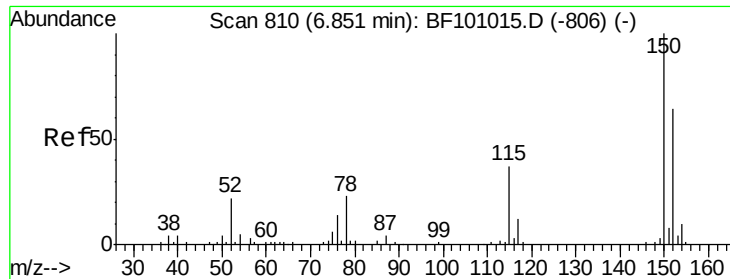
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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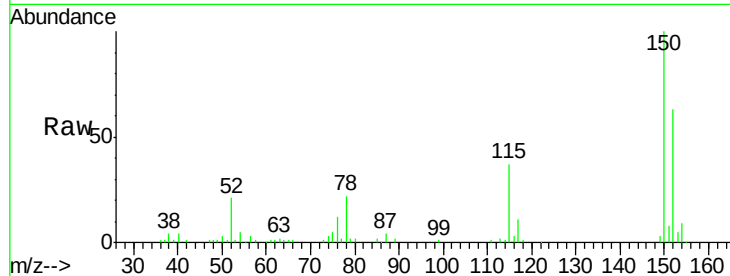


#1

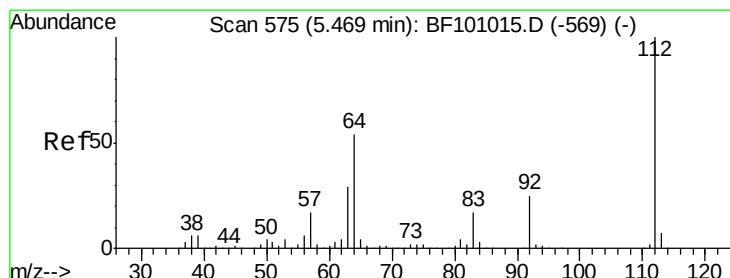
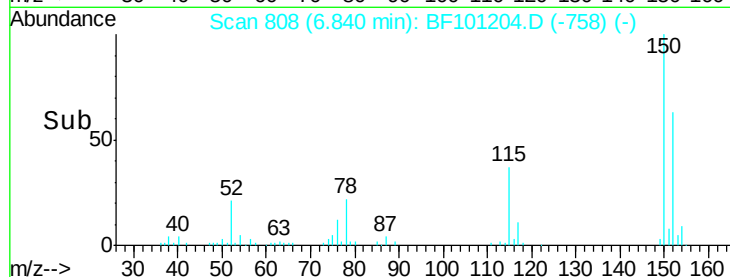
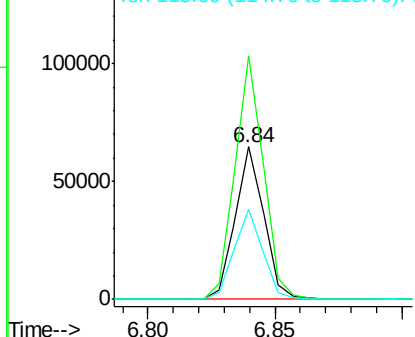
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 50438
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 58.9 50.1 75.1



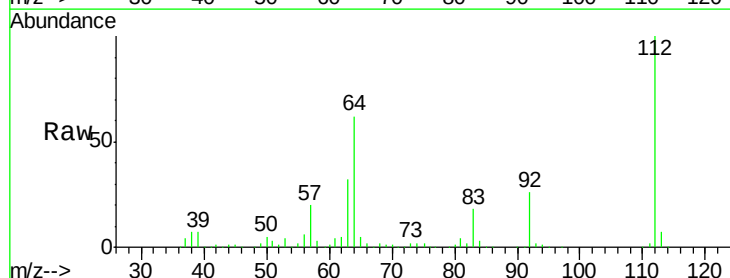
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



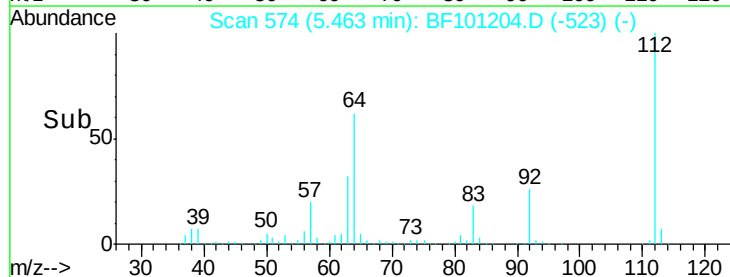
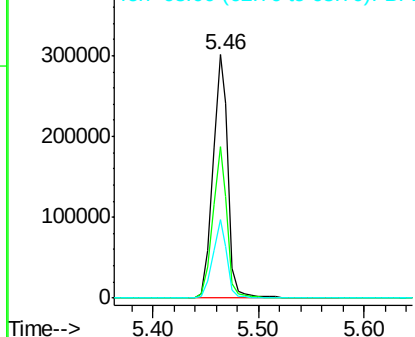
#5

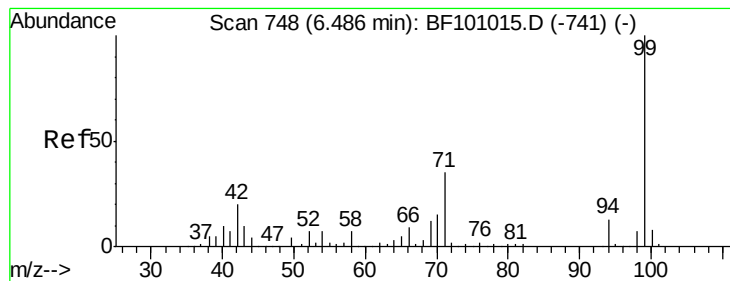
2-Fluorophenol
Concen: 99.419 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion:112 Resp: 303458
Ion Ratio Lower Upper
112 100
64 62.2 47.9 71.9
63 32.1 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: 100.273 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

ClientSampled :

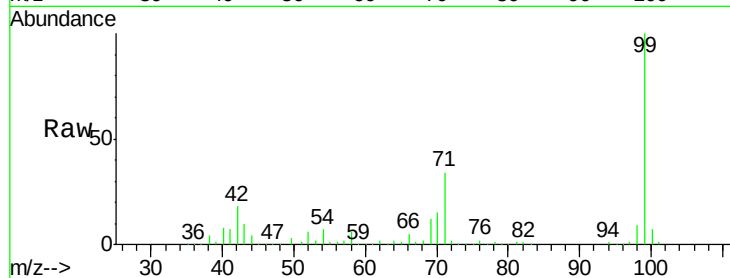
Tot Ion: 99 Resp: 371594

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

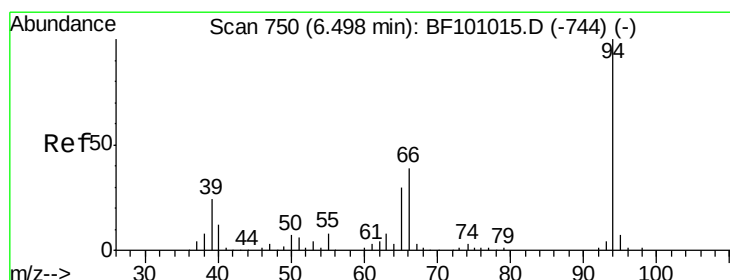
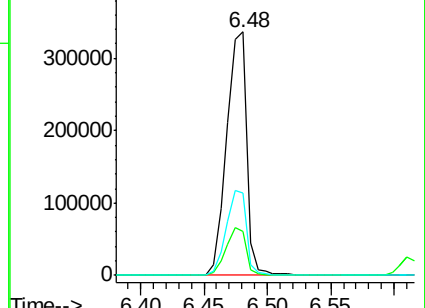
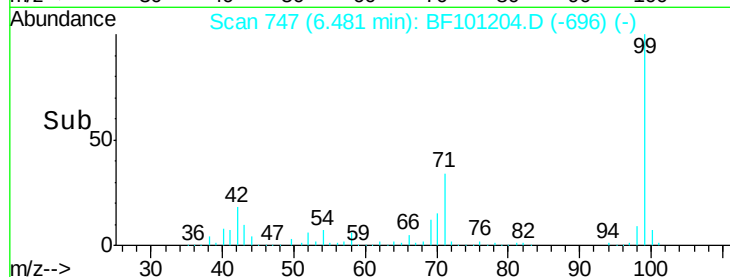
71 34.0 25.4 38.0



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: 3.756 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

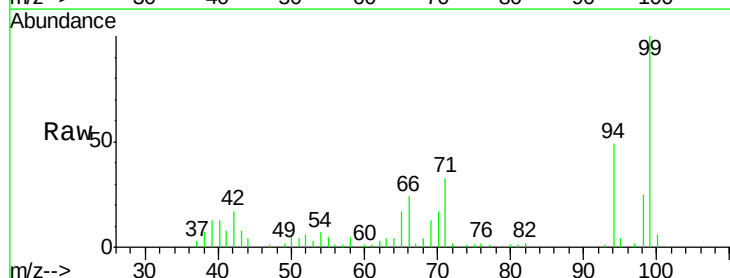
Tgt Ion: 94 Resp: 15479

Ion Ratio Lower Upper

94 100

65 34.8 7.9 47.9

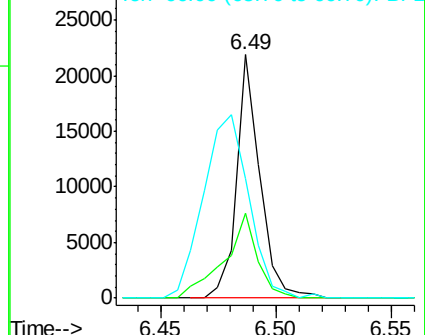
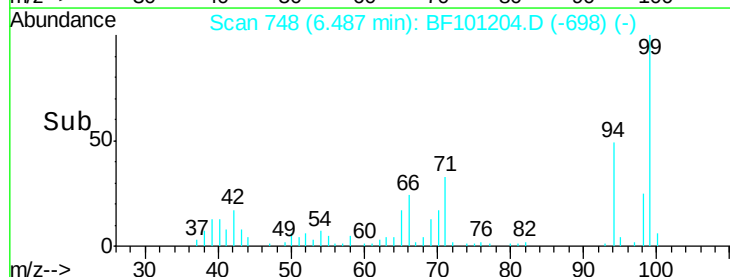
66 48.9 16.2 56.2

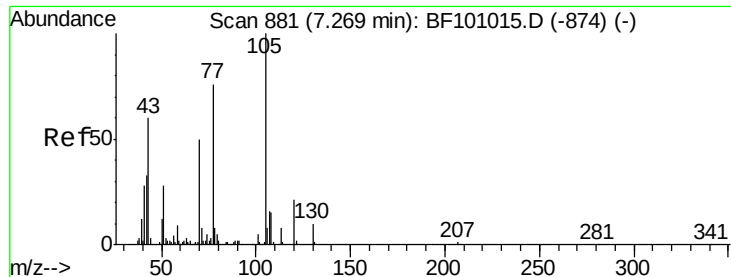


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

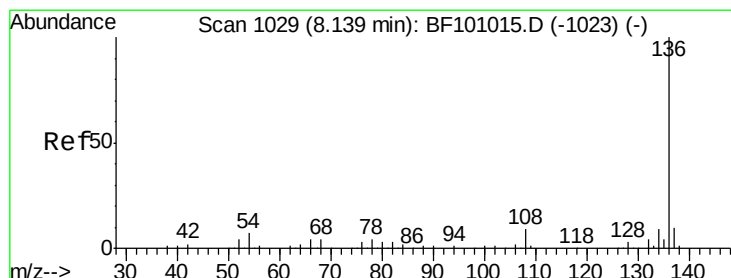
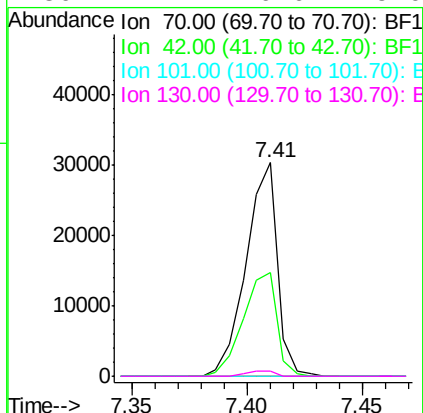
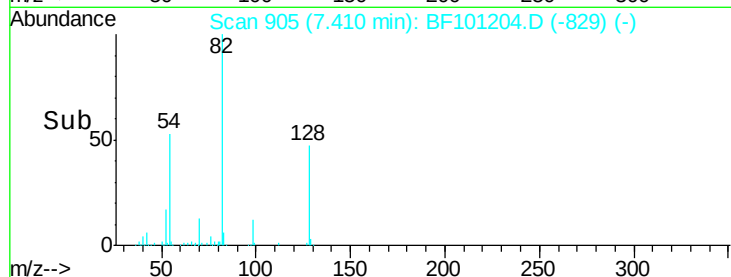
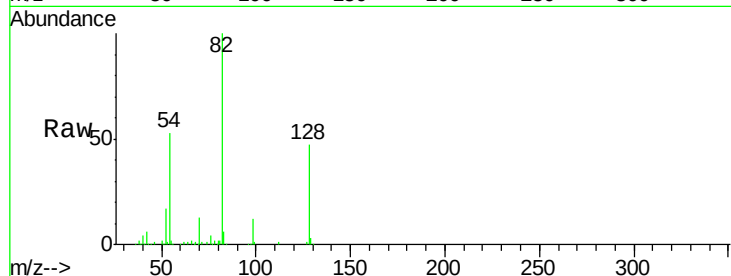




#19
n-Nitroso-di-n-propylamine
Concen: 11.589 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

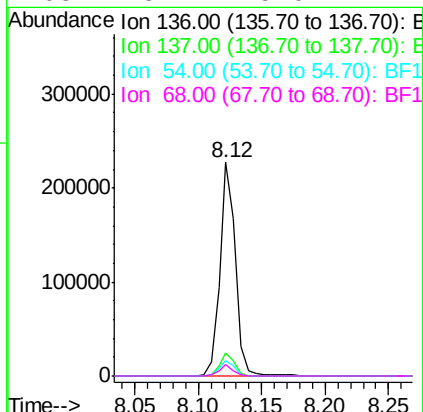
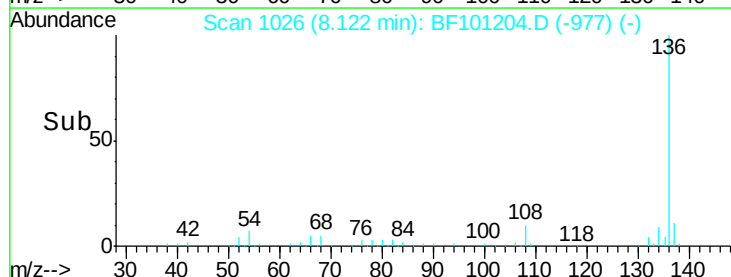
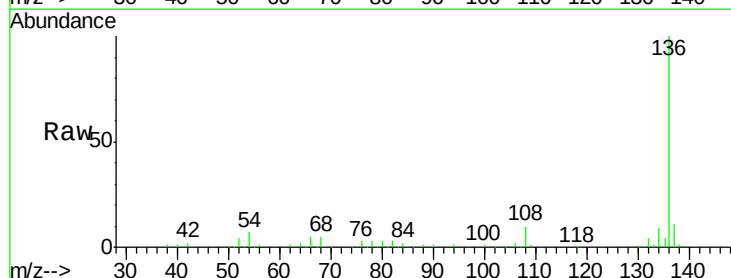
Instrument :
BNA_F
ClientSampled :

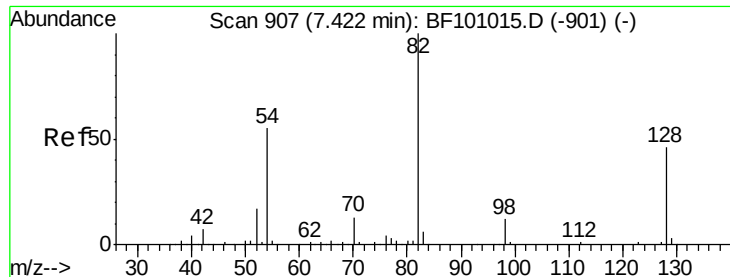
Tot Ion: 70 Resp: 28922
Ion Ratio Lower Upper
70 100
42 48.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion:136 Resp: 195012
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.4 6.6 9.8
68 5.1 5.0 7.4

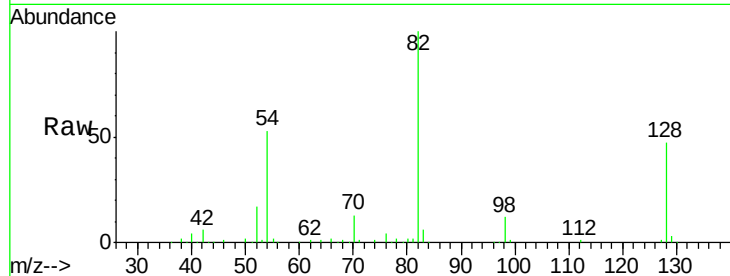




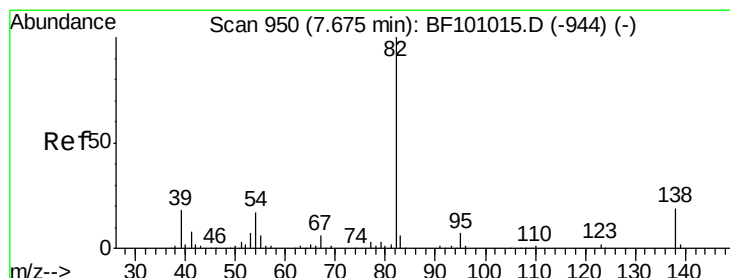
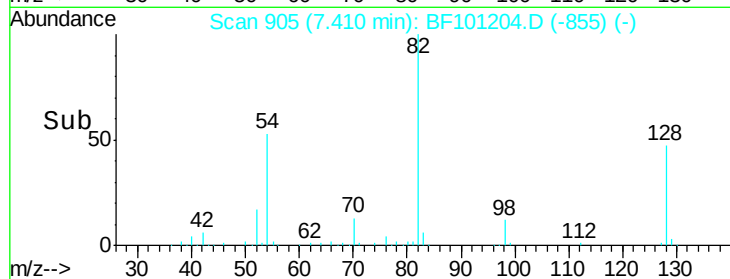
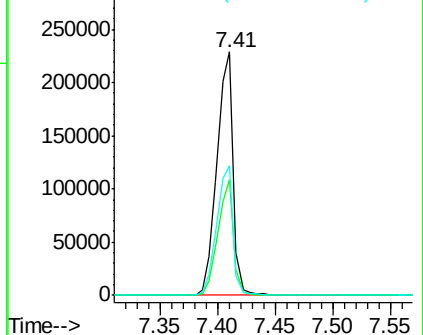
#23
Nitrobenzene-d5
Concen: 68.334 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 223390
Ion Ratio Lower Upper
82 100
128 47.3 36.1 54.1
54 53.2 41.4 62.2

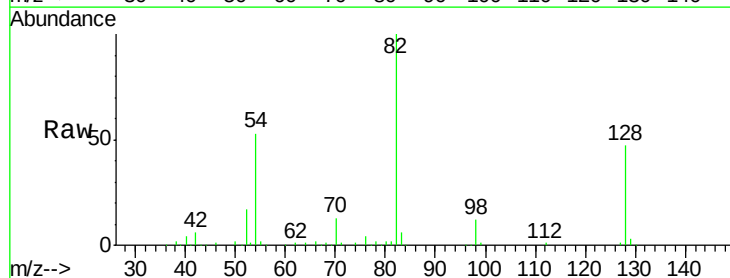


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

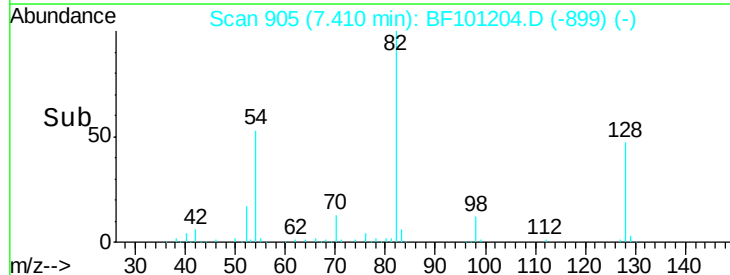
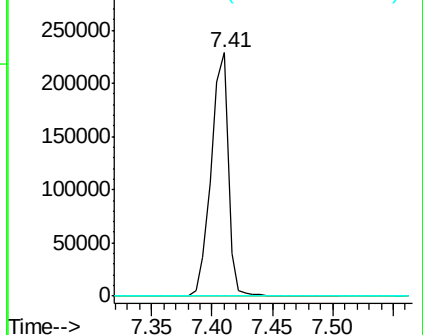


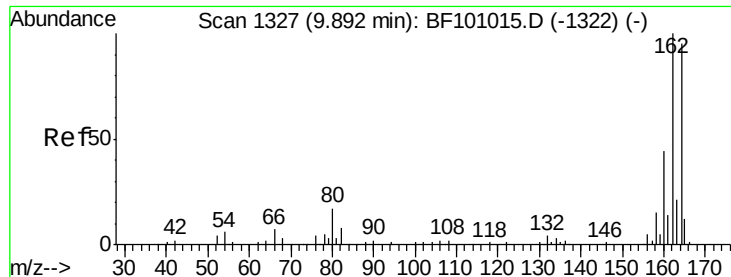
#25
Isophorone
Concen: 40.005 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion: 82 Resp: 223387
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: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

ClientSampleId :

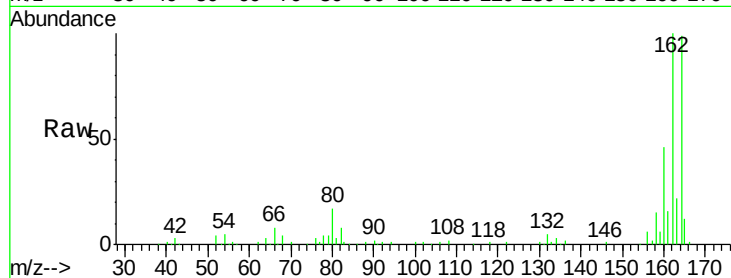
Tot Ion:164 Resp: 84621

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

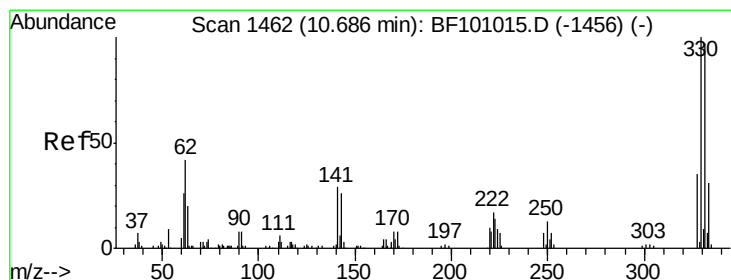
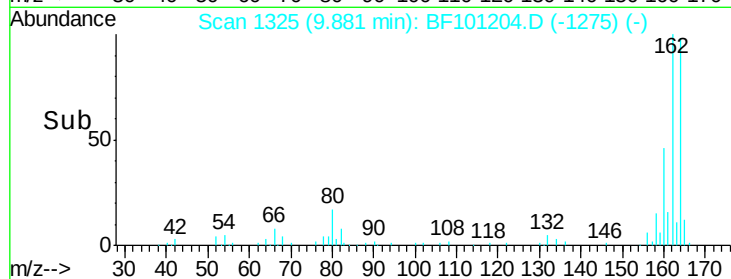
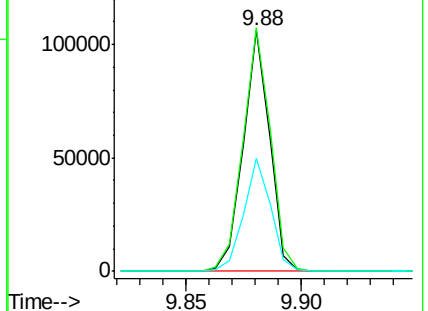
160 47.0 38.3 57.5



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: 86.556 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

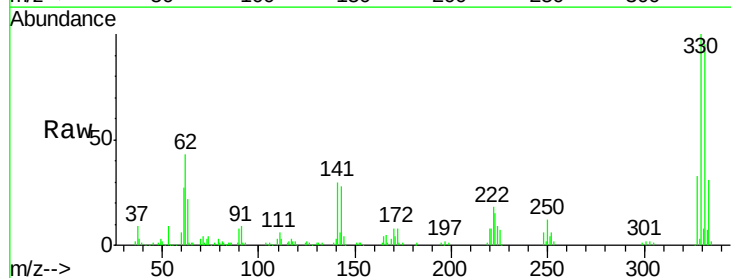
Tgt Ion:330 Resp: 87988

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

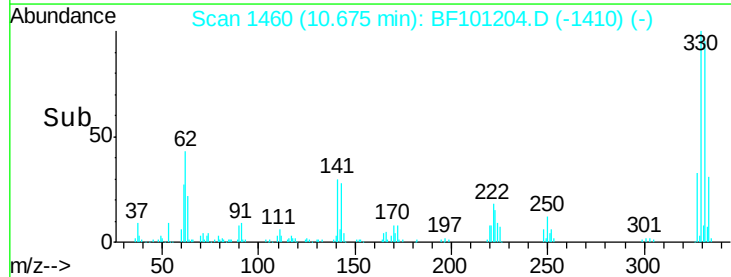
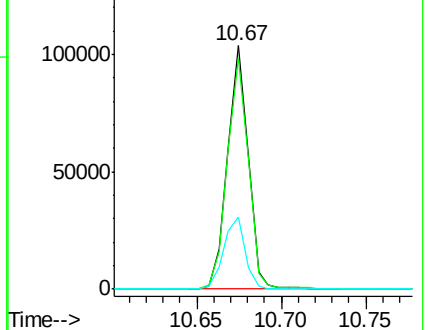
141 30.7 29.9 44.9

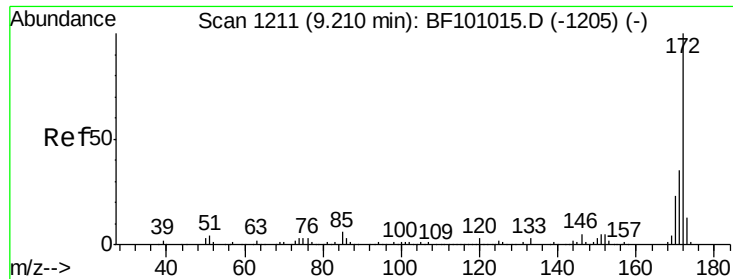


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

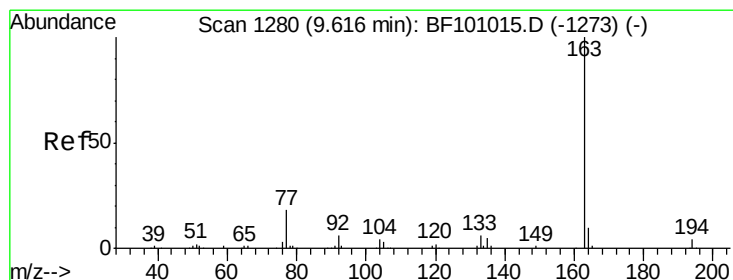
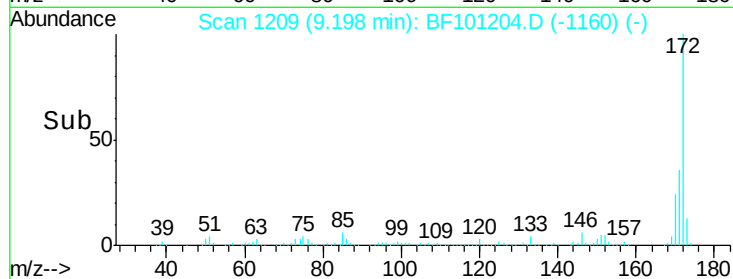
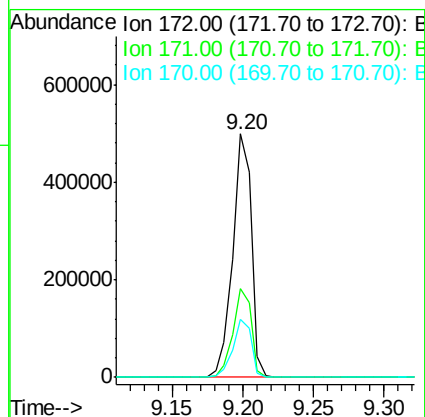
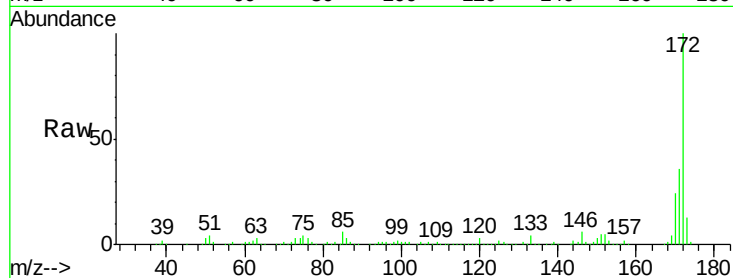




#44
2-Fluorobiphenyl
Concen: 74.070 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

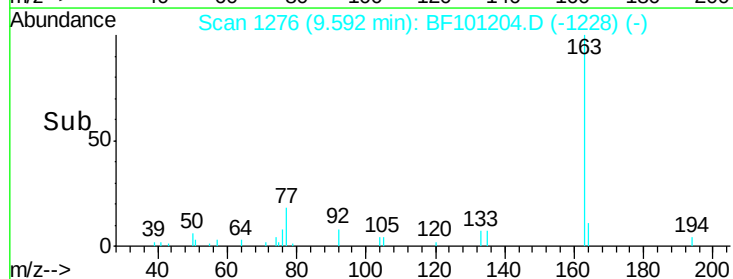
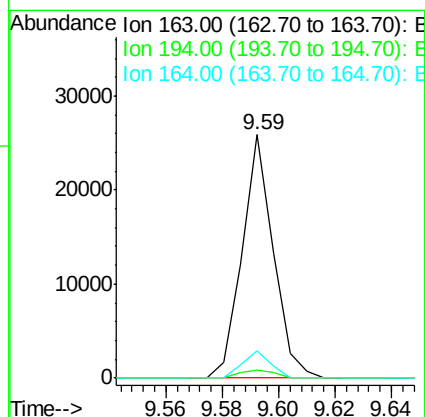
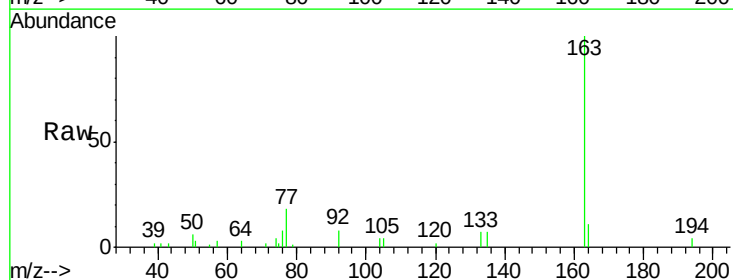
Instrument :
BNA_F
ClientSampleId :

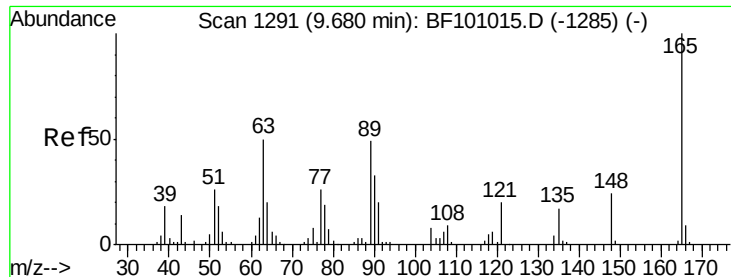
Tot Ion:172 Resp: 458111
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.9 19.6 29.4



#49
Dimethylphthalate
Concen: 2.905 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion:163 Resp: 19823
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 11.1 8.2 12.2

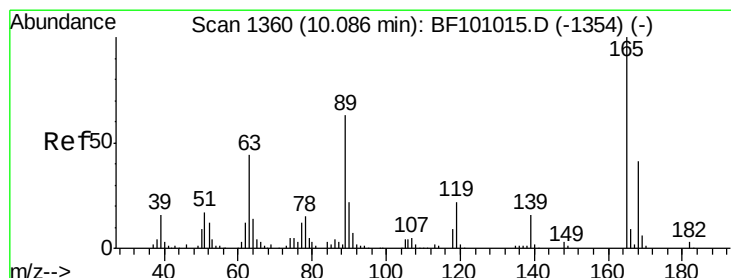
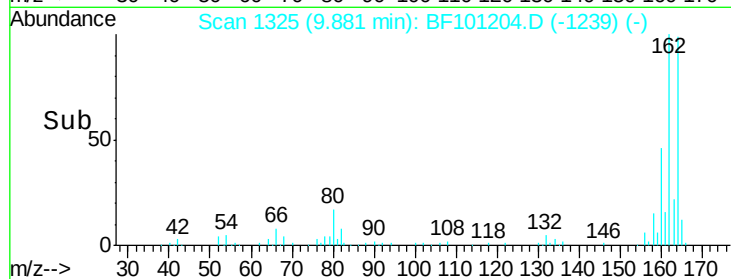
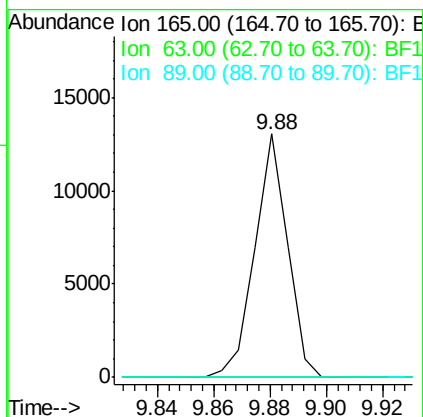
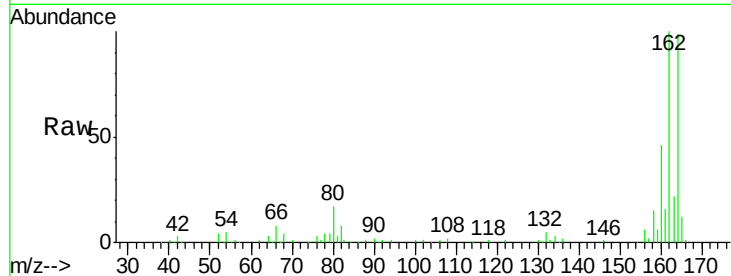




#50
 2,6-Dinitrotoluene
 Concen: 7.297 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

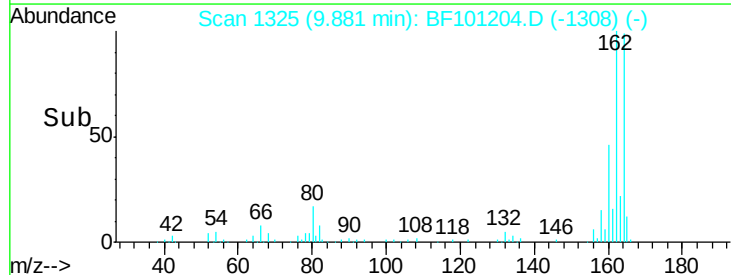
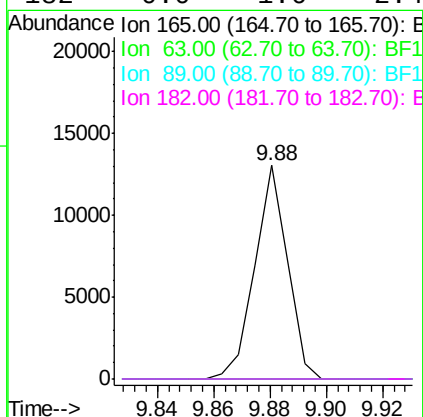
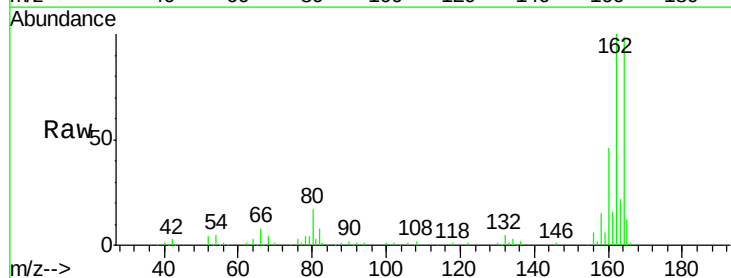
Instrument :
 BNA_F
 ClientSampleId :

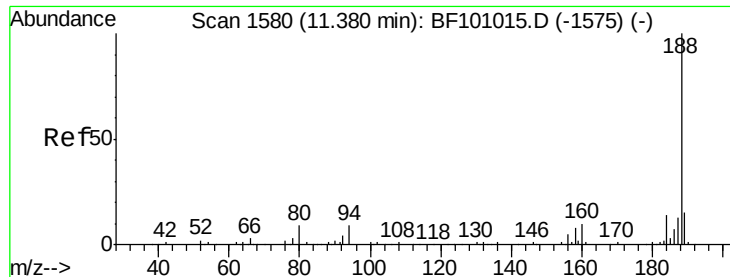
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.445 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

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#

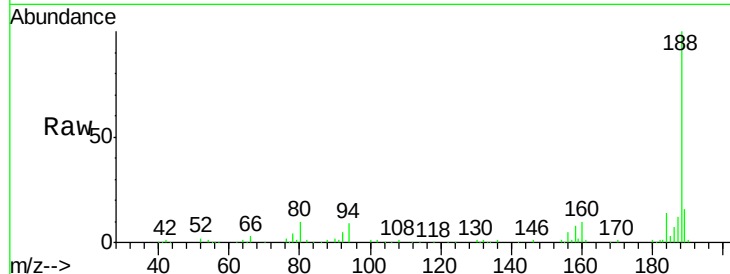




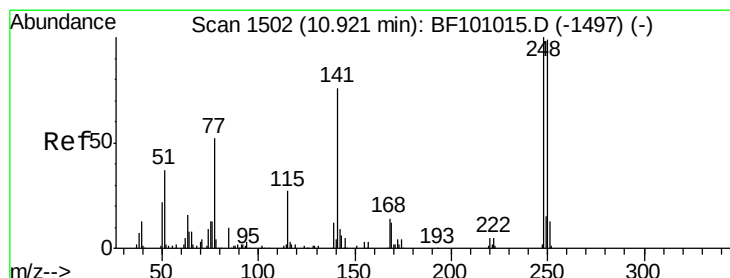
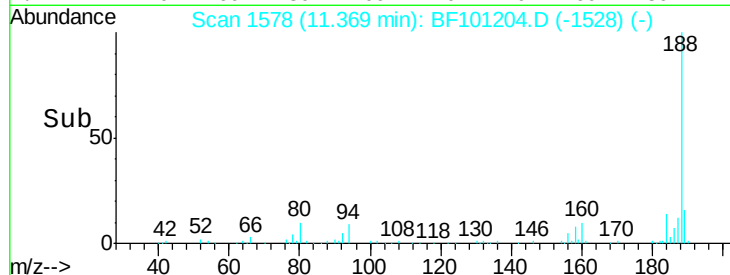
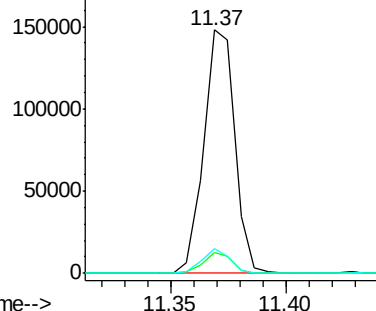
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	10.0	9.2	13.8

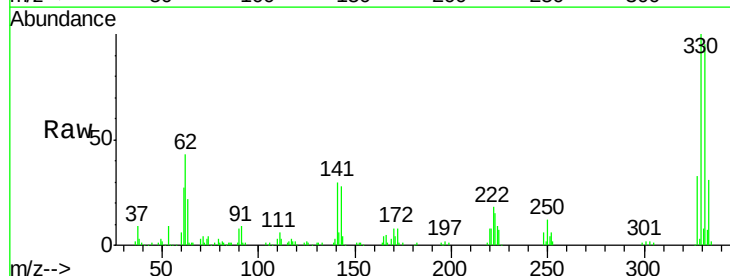


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

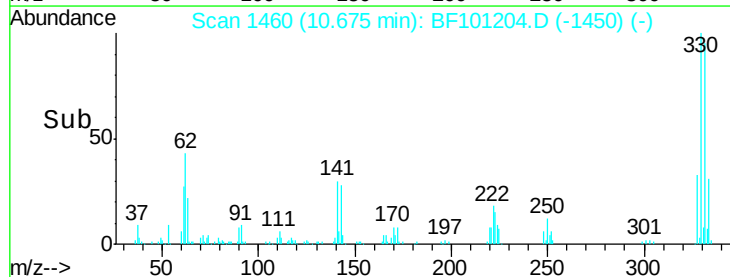
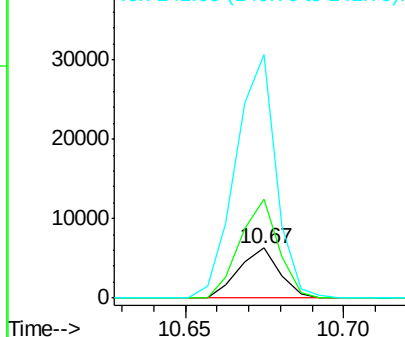


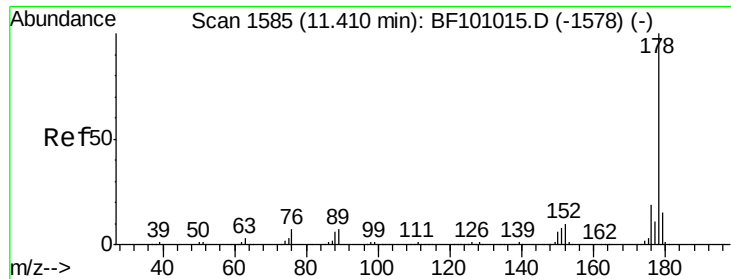
#66
4-Bromophenyl-phenylether
Concen: 3.598 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
248	100		
250	200.0	76.9	115.3#
141	489.4	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

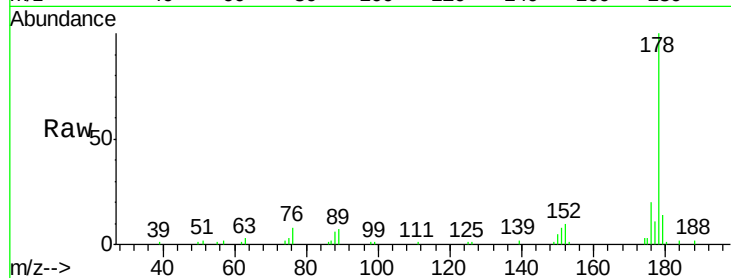




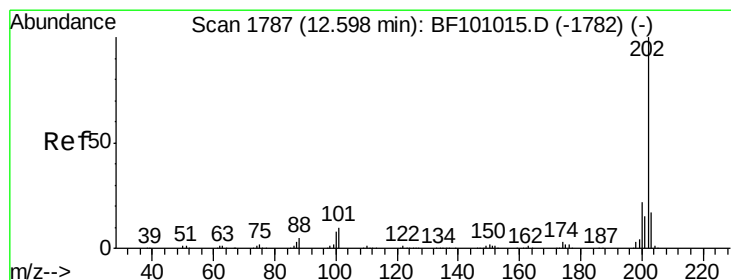
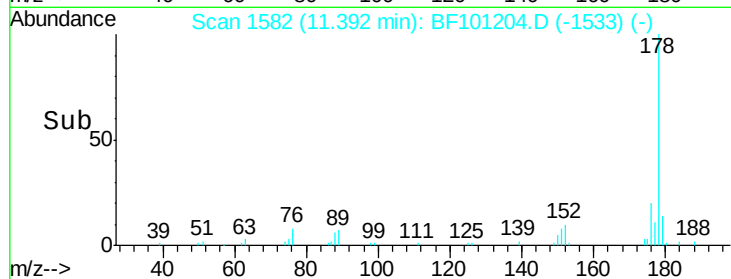
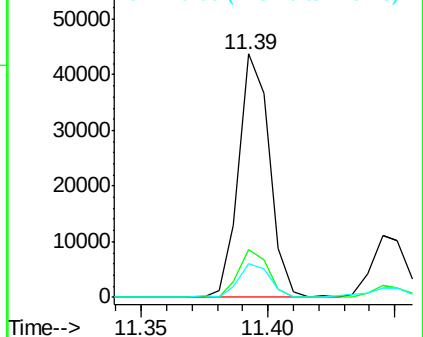
#70
Phenanthrene
Concen: 4.840 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 36962
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 14.0 13.0 19.6

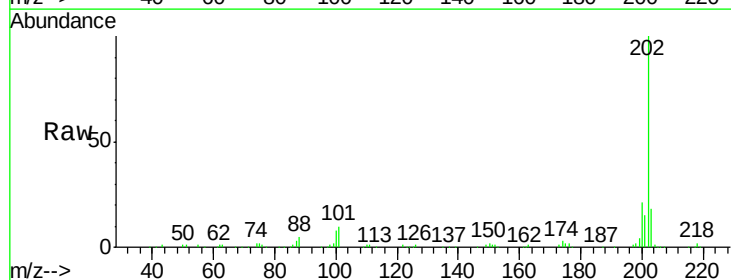


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

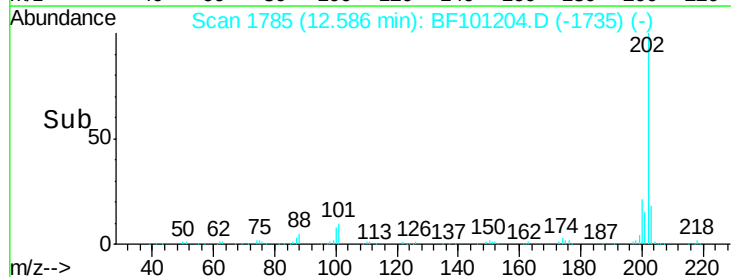
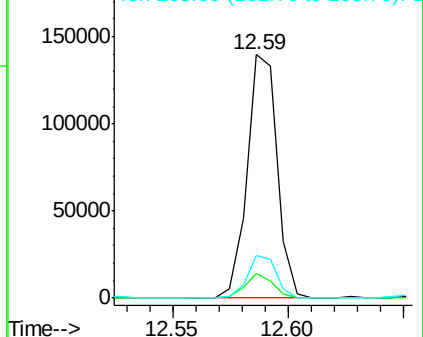


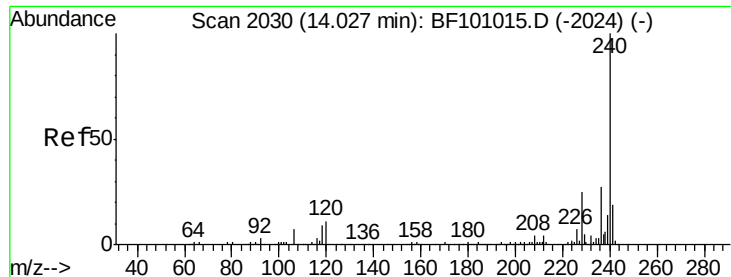
#74
Fluoranthene
Concen: 15.035 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion:202 Resp: 127283
Ion Ratio Lower Upper
202 100
101 10.1 0.0 34.1
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

ClientSampleId :

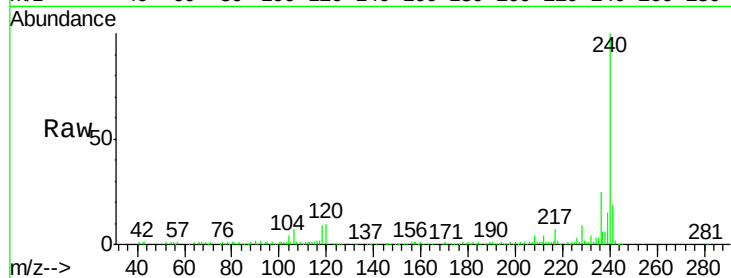
Tot Ion:240 Resp: 108583

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

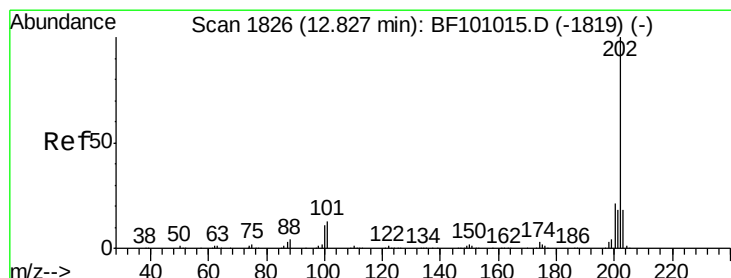
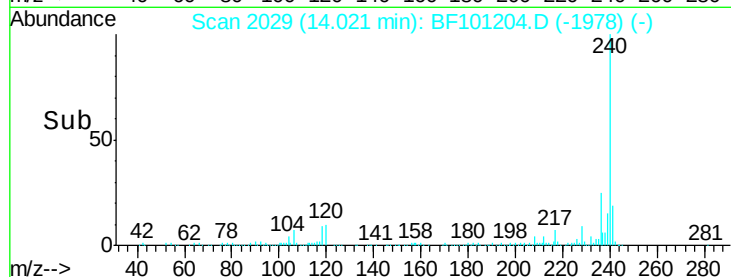
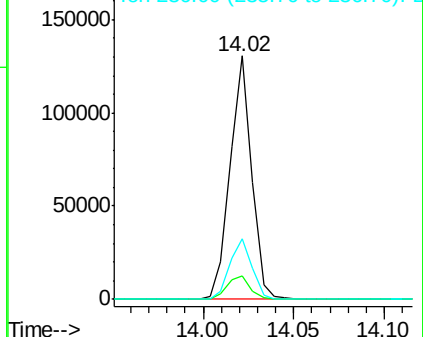
236 24.9 20.7 31.1



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: 14.265 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

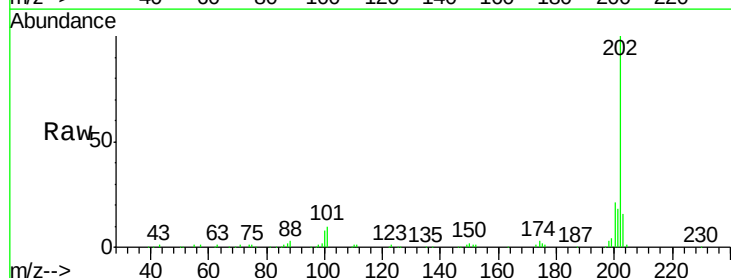
Tgt Ion:202 Resp: 106882

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

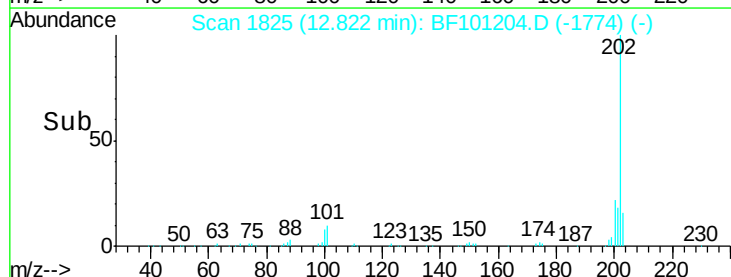
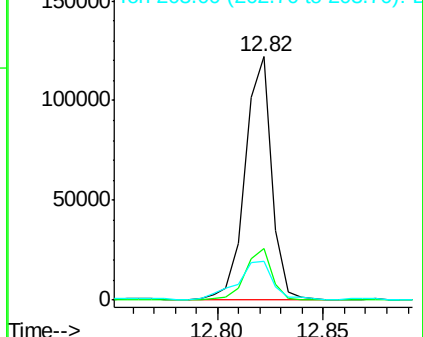
203 16.1 14.3 21.5

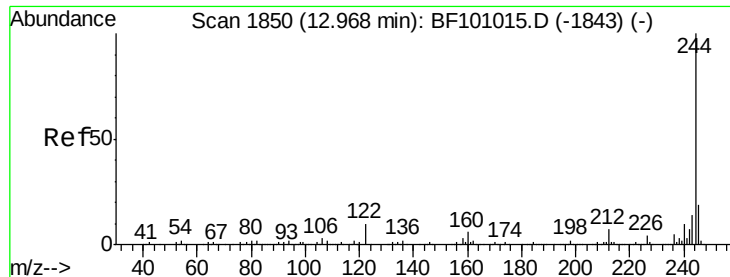


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

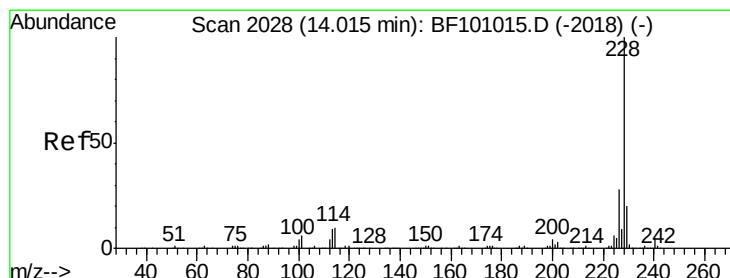
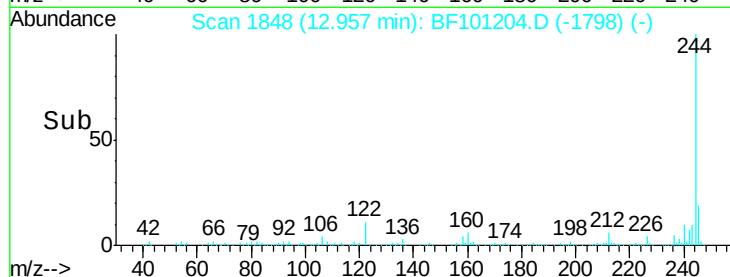
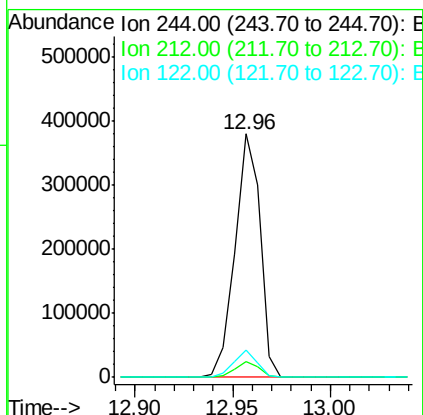
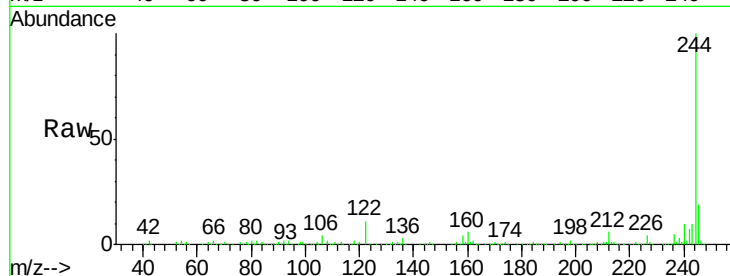




#78
 Terphenyl-d14
 Concen: 67.987 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

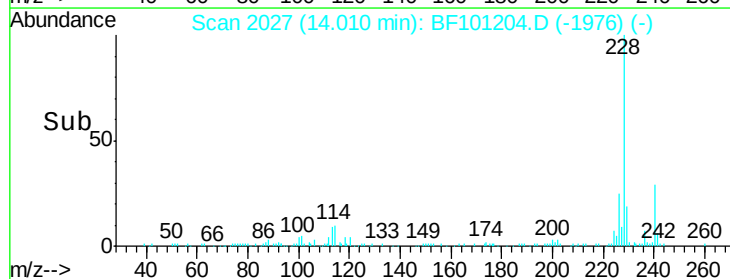
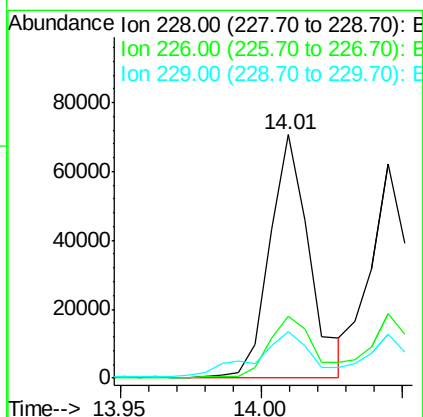
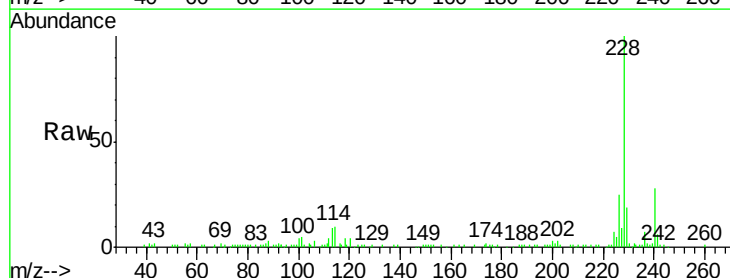
Instrument :
 BNA_F
 ClientSampled :

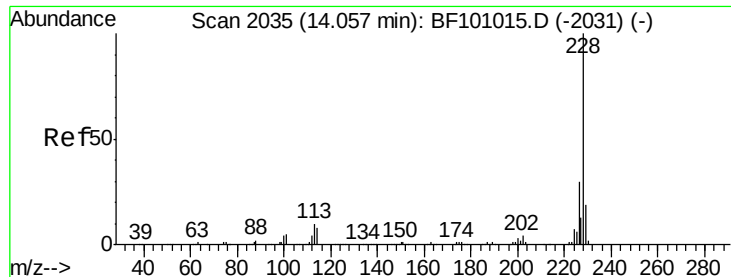
Tot Ion:244 Resp: 337511
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 11.0 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 10.117 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

Tgt Ion:228 Resp: 69360
 Ion Ratio Lower Upper
 228 100
 226 25.1 22.6 33.8
 229 19.0 15.8 23.6





#82

Chrysene

Concen: 8.931 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

ClientSampled :

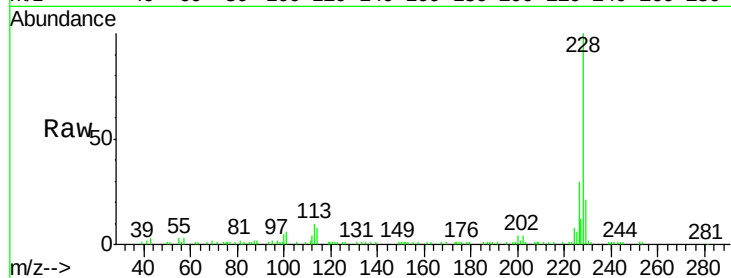
Tot Ion:228 Resp: 56867

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

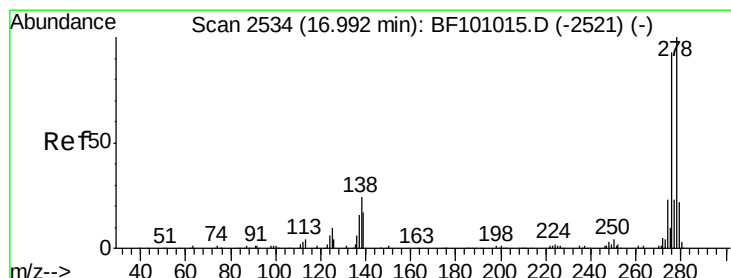
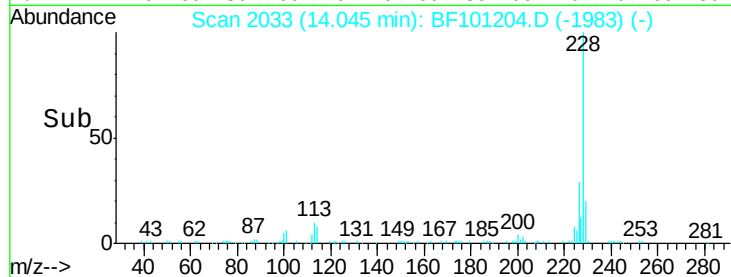
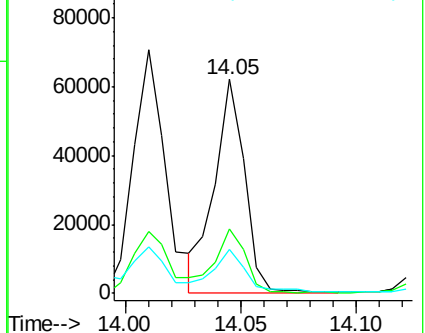
229 20.6 16.2 24.4



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: 4.653 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

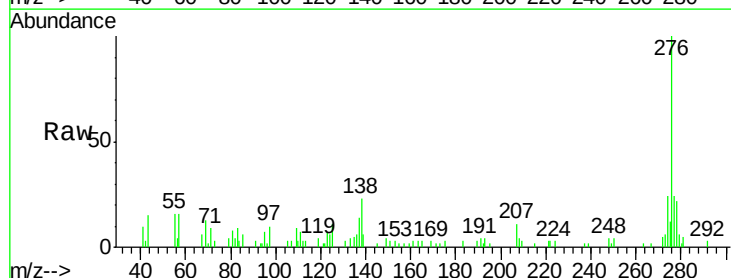
Tgt Ion:276 Resp: 26340

Ion Ratio Lower Upper

276 100

138 22.6 25.0 37.6#

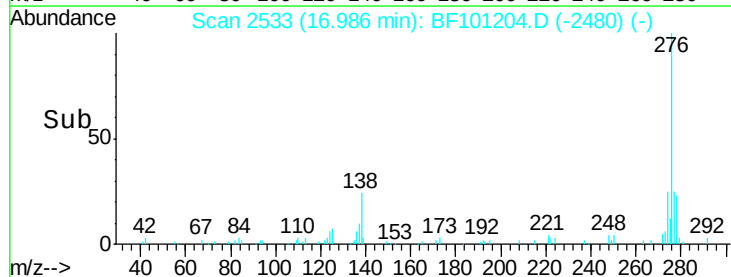
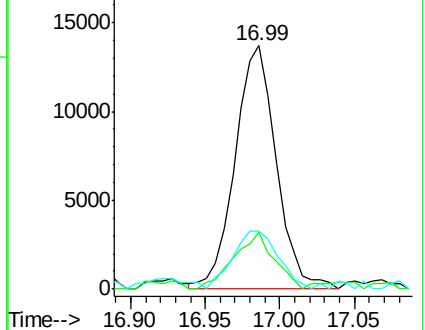
277 26.2 20.1 30.1

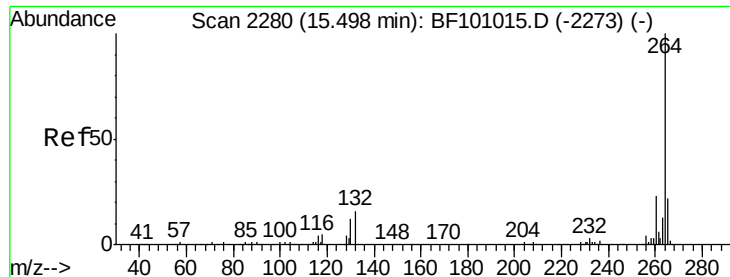


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



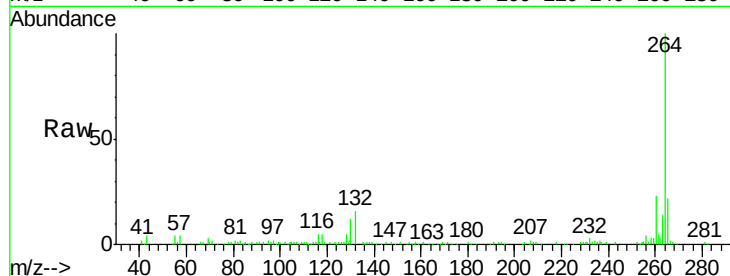


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

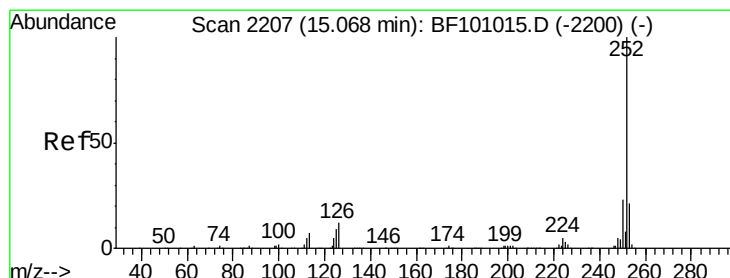
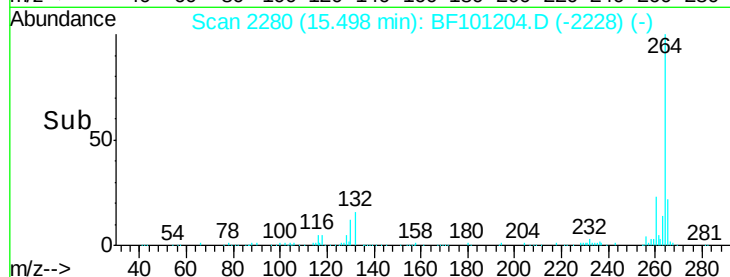
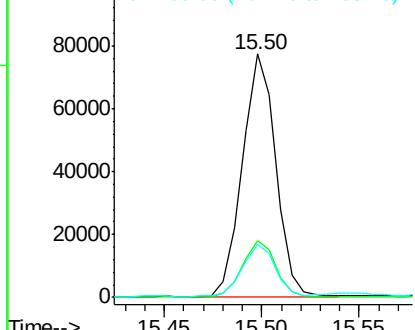
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 92274

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3



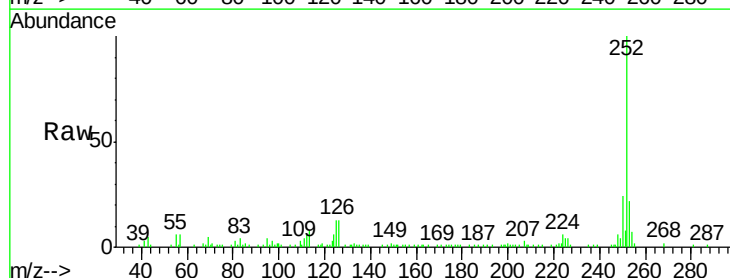
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



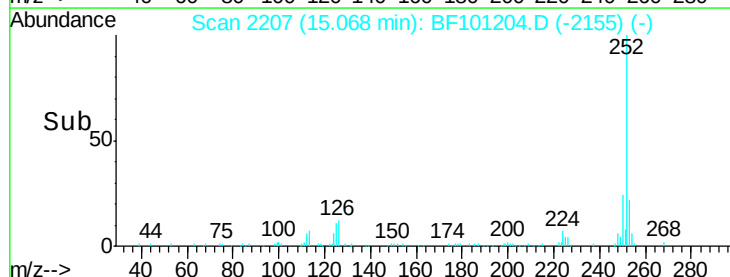
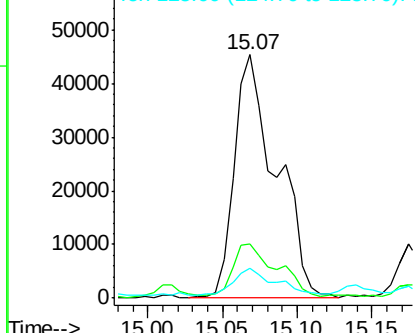
#87
Benzo(b)fluoranthene
Concen: 16.089 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

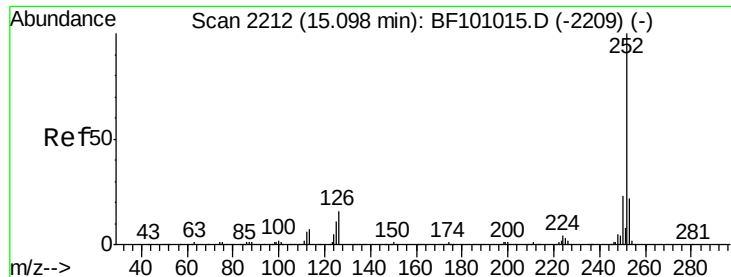
Tgt Ion:252 Resp: 88922

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	12.5	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

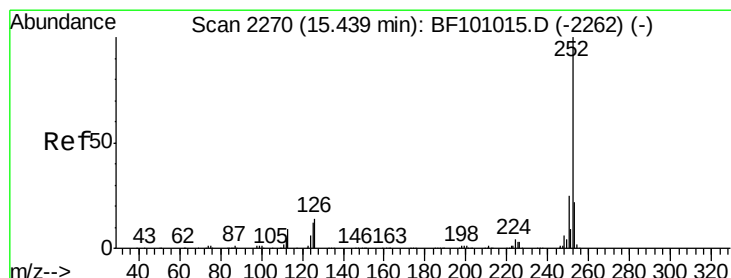
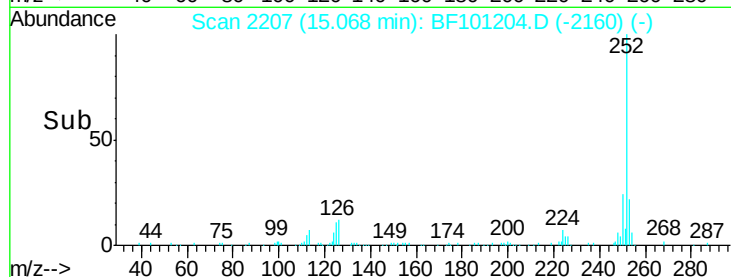
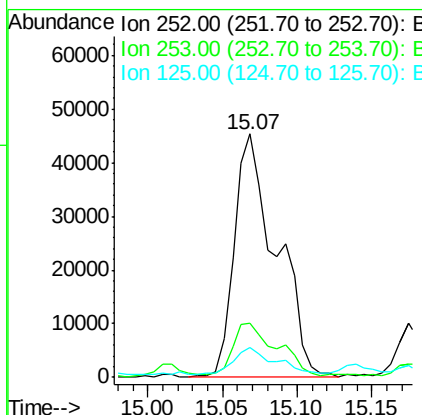
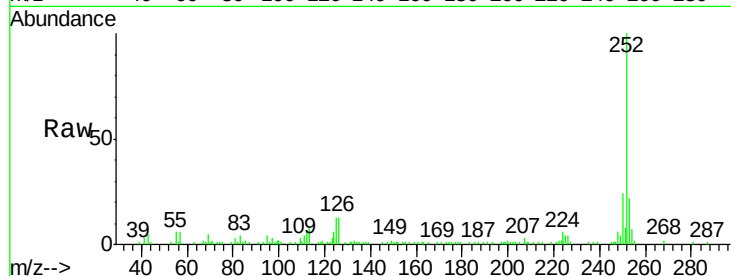




#88
Benzo(k)fluoranthene
Concen: 16.330 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

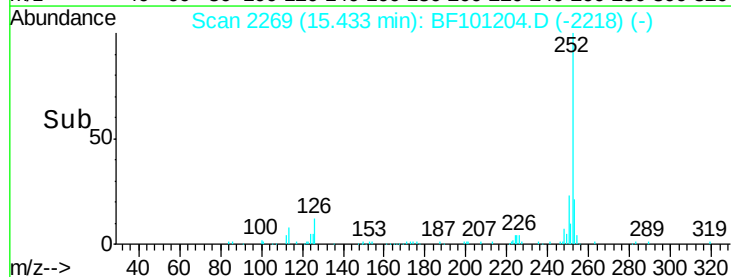
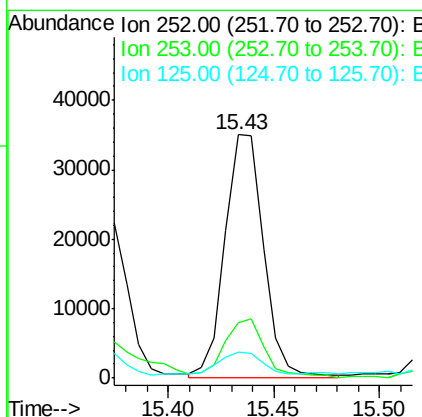
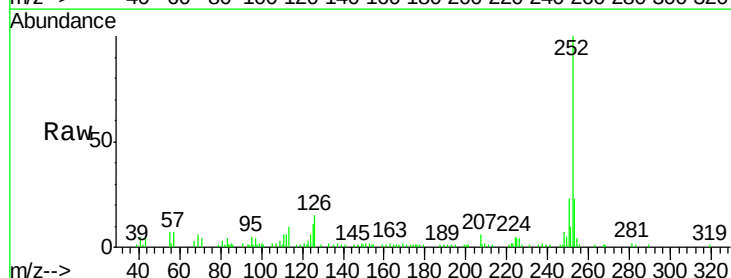
Instrument :
BNA_F
ClientSampleId :

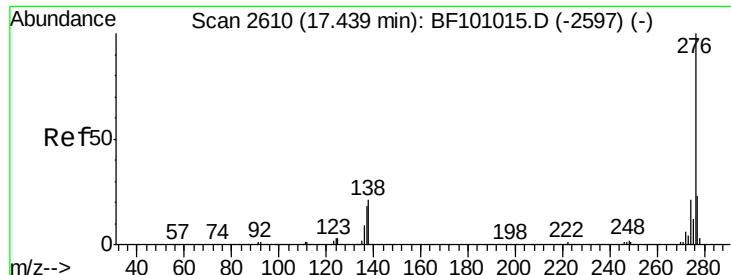
Tot Ion:252 Resp: 88922
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 12.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 8.909 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion:252 Resp: 44764
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 10.8 9.8 14.6

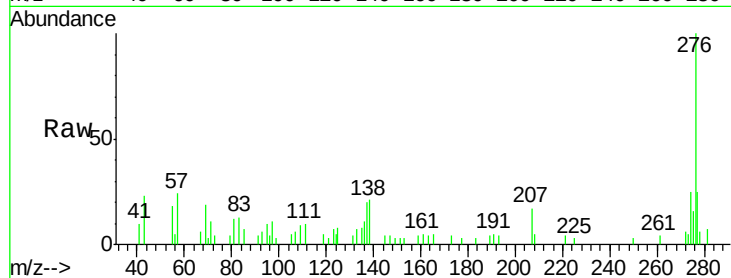




#91
 Benzo(a,h,i)perylene
 Concen: 5.274 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.01 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	21.2	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

