

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101151.D
 Acq On : 6 Dec 2017 4:14
 Operator : SJ/JU
 Sample : I6702-10
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 06 05:49:45 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	55941	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	213984	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	97106	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	171694	20.00	ng	0.00
75) Chrysene-d12	14.02	240	110824	20.00	ng	0.00
86) Perylene-d12	15.49	264	117556	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	353135	104.31	ng	0.01
7) Phenol-d6	6.48	99	428405	104.23	ng	0.00
23) Nitrobenzene-d5	7.42	82	261203	72.82	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	109308	93.70	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	542357	76.42	ng	0.00
78) Terphenyl-d14	12.96	244	421671	83.22	ng	0.00

Target Compounds

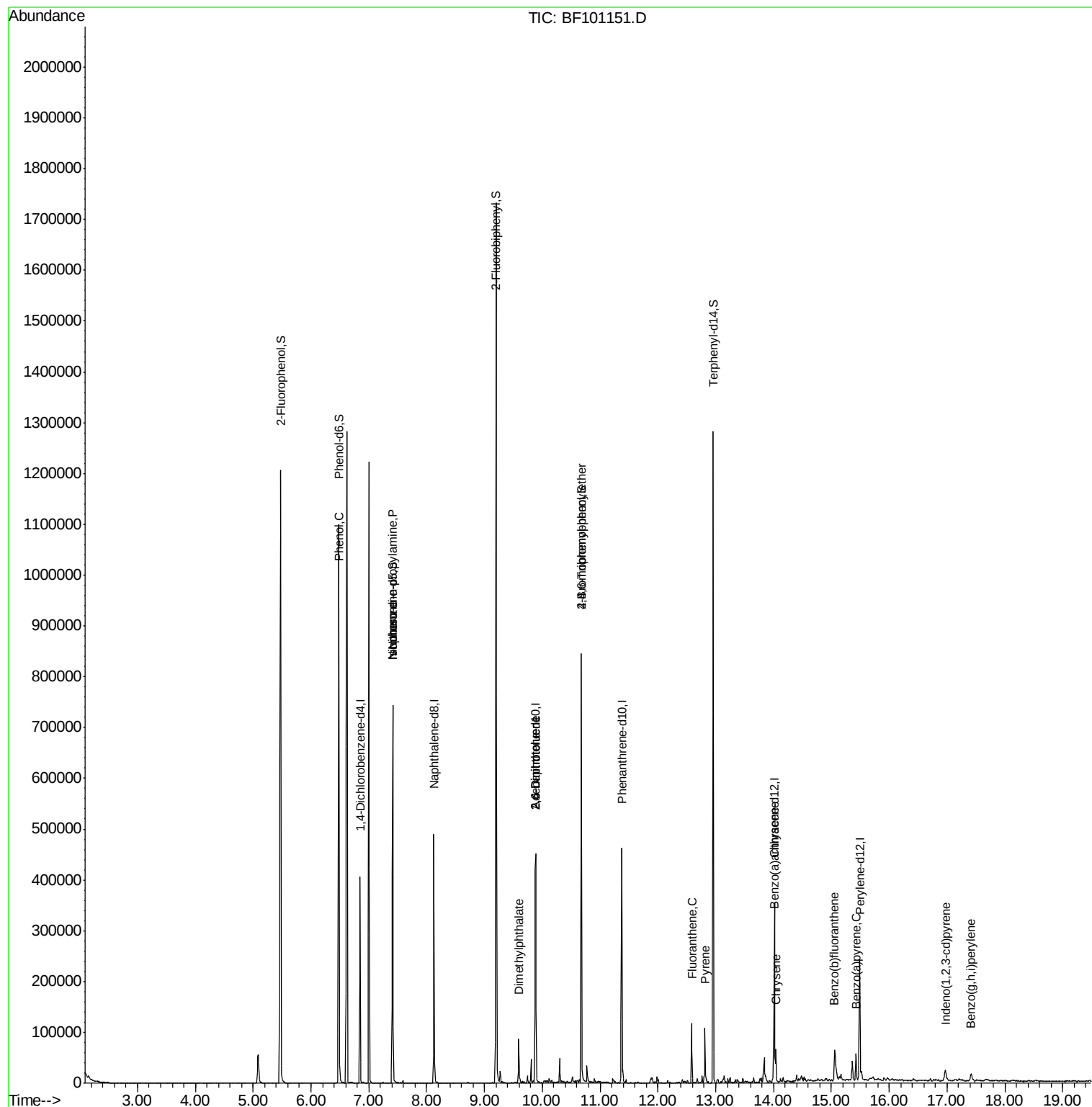
						Qvalue
10) Phenol	6.49	94	10203	2.233	ng	87
19) n-Nitroso-di-n-propylamine	7.42	70	35210	12.720	ng	# 79
25) Isophorone	7.42	82	261201	42.629	ng	# 64
49) Dimethylphthalate	9.60	163	39854	5.089	ng	# 97
50) 2,6-Dinitrotoluene	9.88	165	12618	7.650	ng	# 24
56) 2,4-Dinitrotoluene	9.88	165	12618	5.708	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	6386	3.323	ng	# 1
74) Fluoranthene	12.59	202	45241	4.317	ng	95
77) Pyrene	12.82	202	44522	5.822	ng	99
80) Benzo(a)anthracene	14.00	228	27937	3.993	ng	95
82) Chrysene	14.04	228	25533	3.929	ng	100
85) Indeno(1,2,3-cd)pyrene	16.97	276	16501	2.856	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	50319	7.146	ng	94
89) Benzo(a)pyrene	15.43	252	26899	4.202	ng	96
91) Benzo(a,h,i)perylene	17.42	276	13891	2.612	ng	# 92

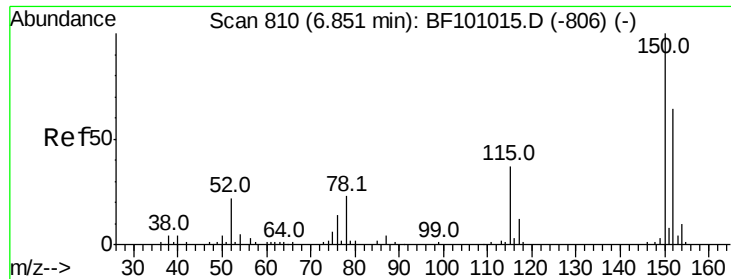
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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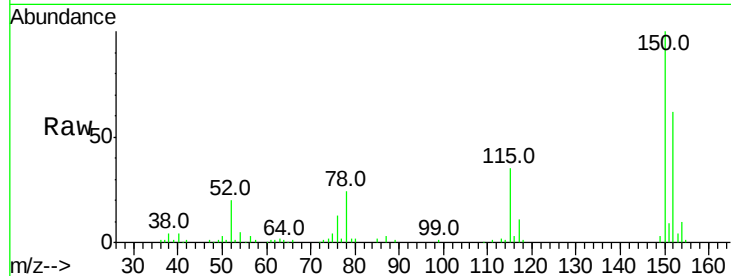


#1

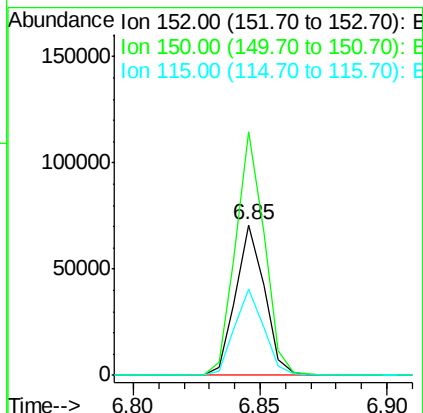
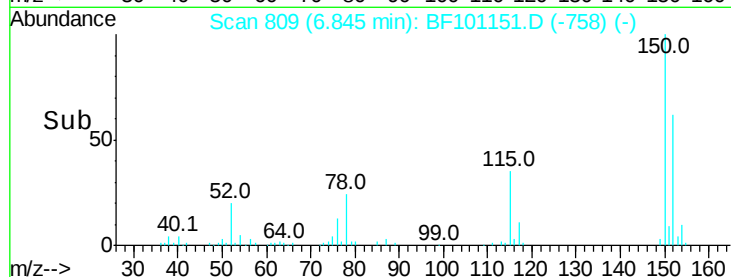
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 55941
Ion Ratio Lower Upper
152 100
150 162.0 124.6 186.8
115 57.5 50.1 75.1



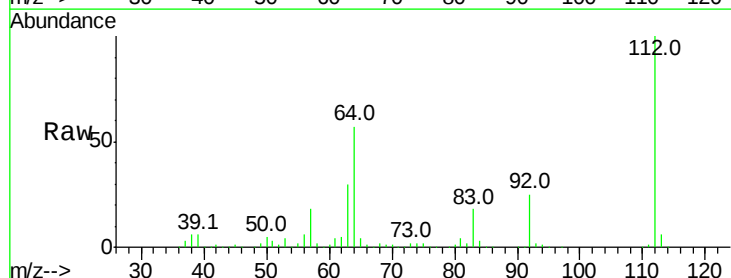
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



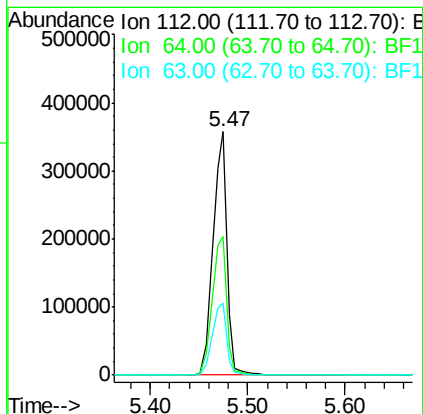
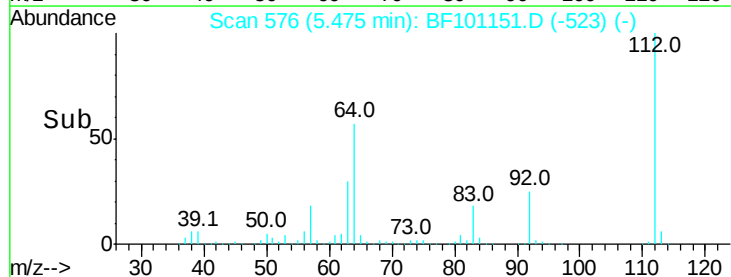
#5

2-Fluorophenol
Concen: 104.313 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion:112 Resp: 353135
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 29.6 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: 104.231 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101151.D

Acq: 6 Dec 2017 4:14

Instrument :

BNA_F

ClientSampled :

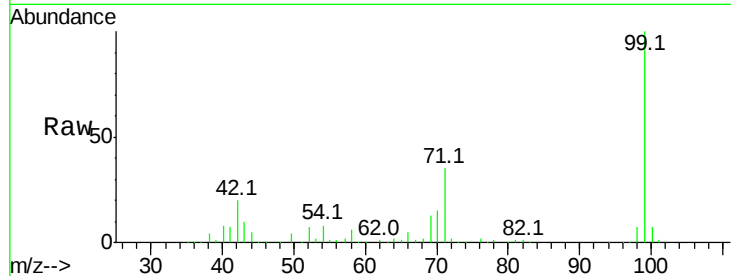
Tot Ion: 99 Resp: 428405

Ion Ratio Lower Upper

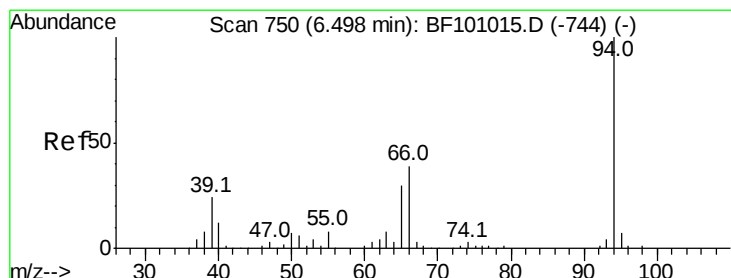
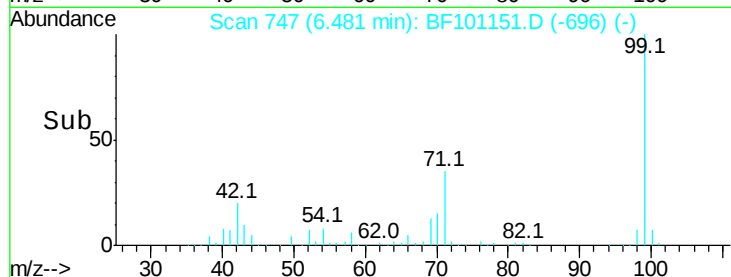
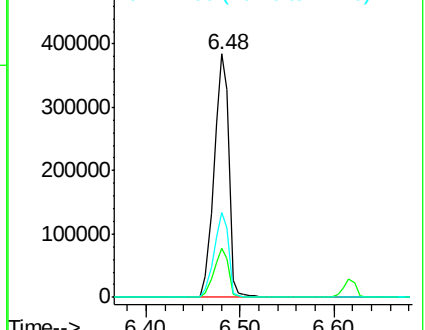
99 100

42 20.1 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: 2.233 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101151.D

Acq: 6 Dec 2017 4:14

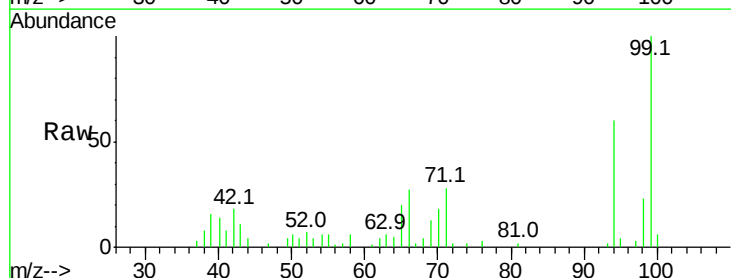
Tgt Ion: 94 Resp: 10203

Ion Ratio Lower Upper

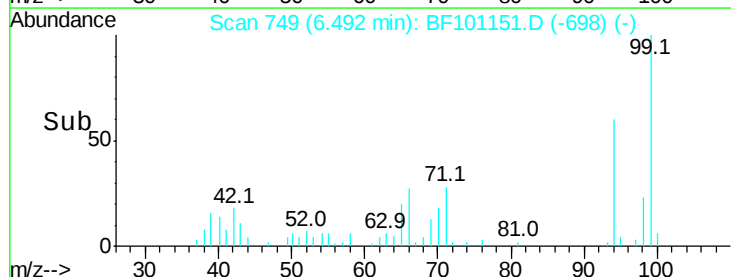
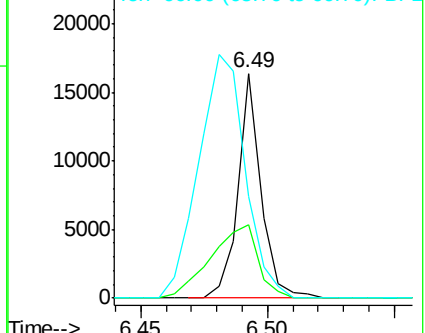
94 100

65 32.7 7.9 47.9

66 45.2 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: 12.720 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF101151.D

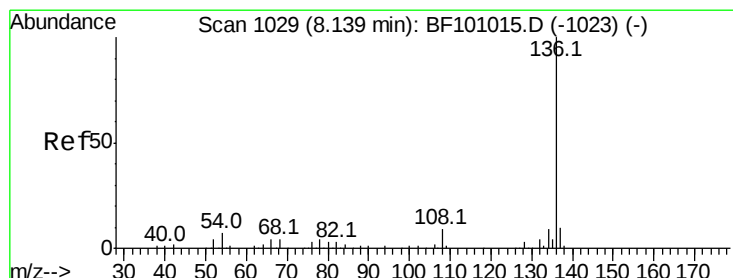
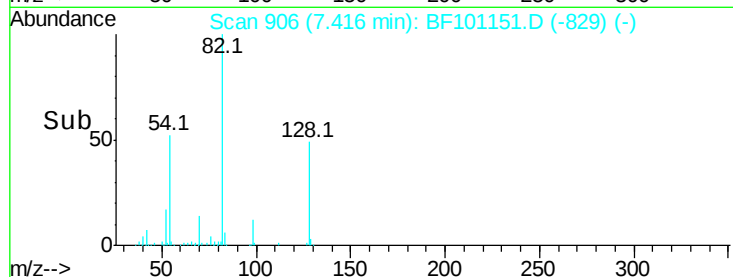
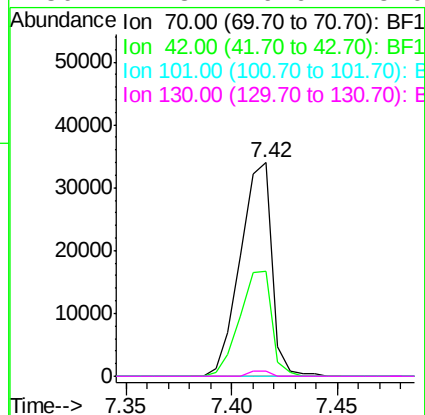
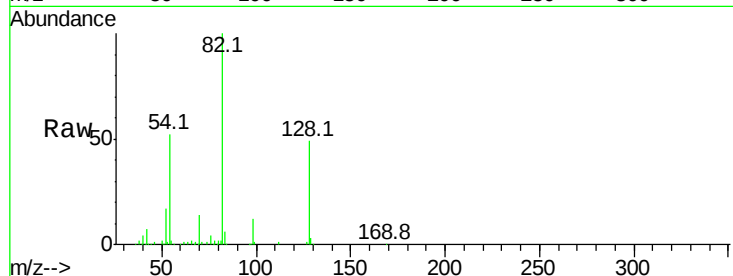
Acq: 6 Dec 2017 4:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:	70	Resp:	35210
Ion	Ratio	Lower	Upper
70	100		
42	49.0	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

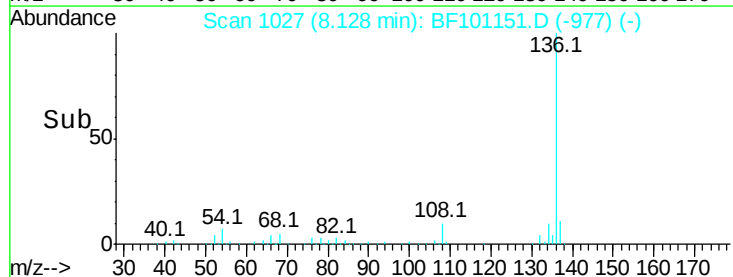
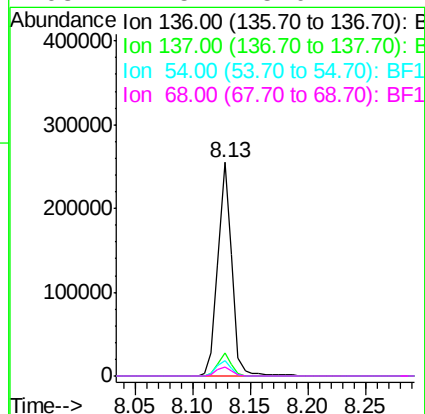
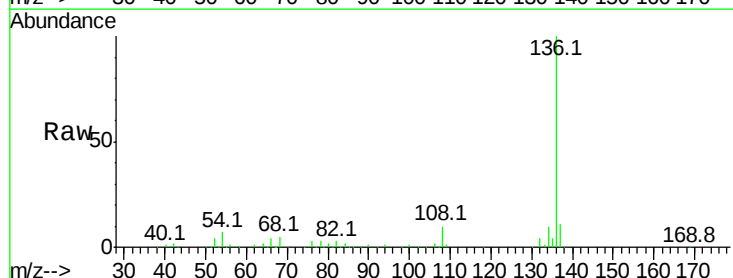
RT: 8.13 min Scan# 1027

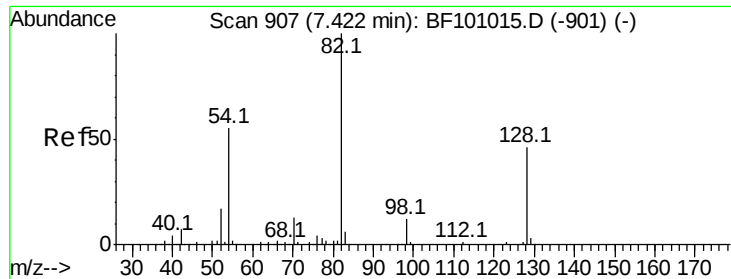
Delta R.T. -0.01 min

Lab File: BF101151.D

Acq: 6 Dec 2017 4:14

Tgt Ion:	136	Resp:	213984
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.4	6.6	9.8
68	4.5	5.0	7.4#

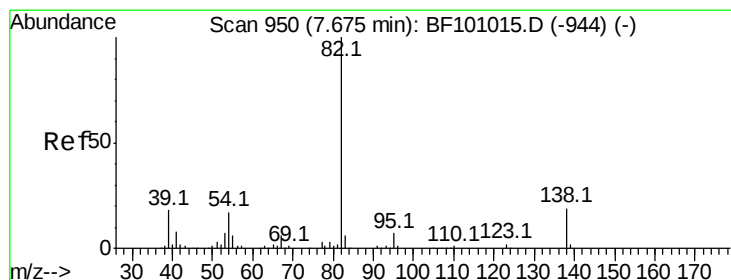
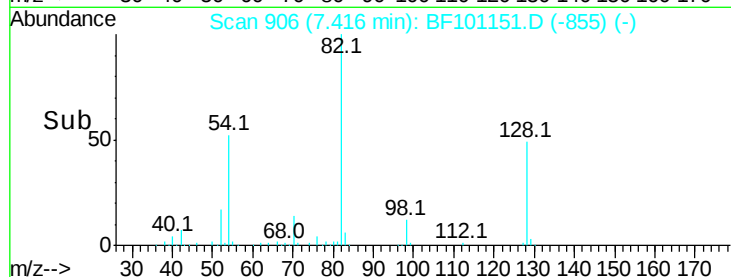
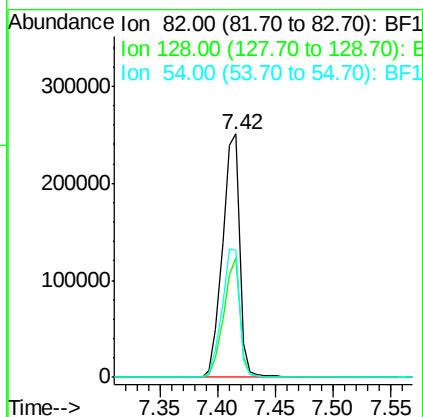
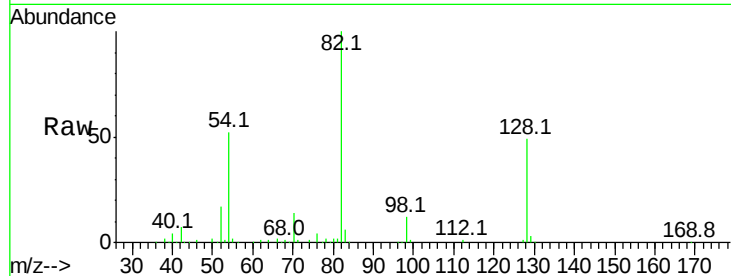




#23
Nitrobenzene-d5
Concen: 72.817 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

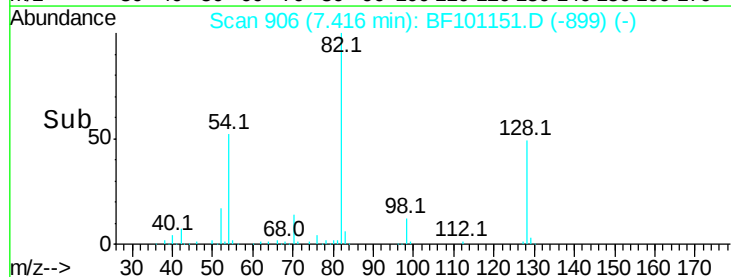
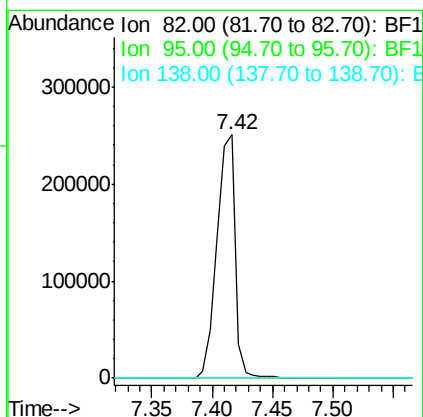
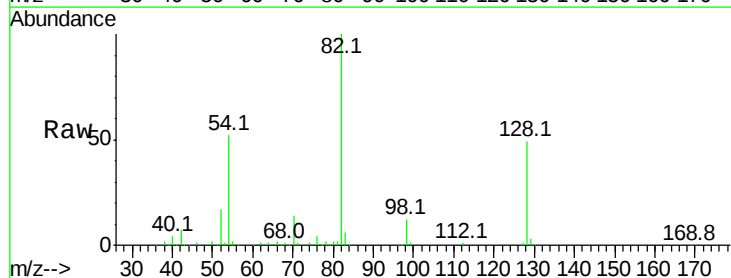
Instrument :
BNA_F
ClientSampleId :

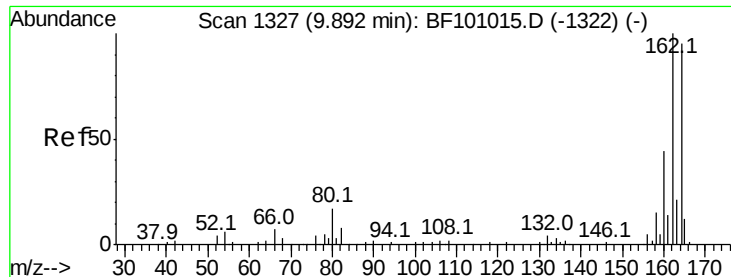
Tot Ion: 82 Resp: 261203
Ion Ratio Lower Upper
82 100
128 49.1 36.1 54.1
54 52.1 41.4 62.2



#25
Isophorone
Concen: 42.629 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion: 82 Resp: 261201
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

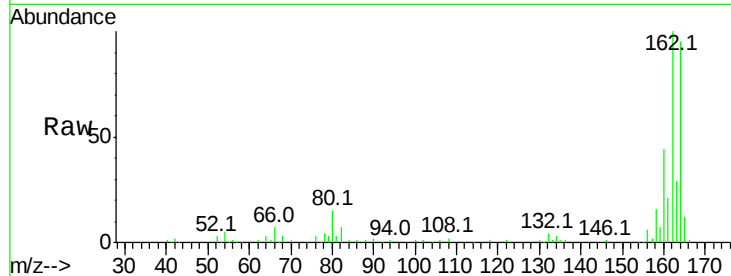




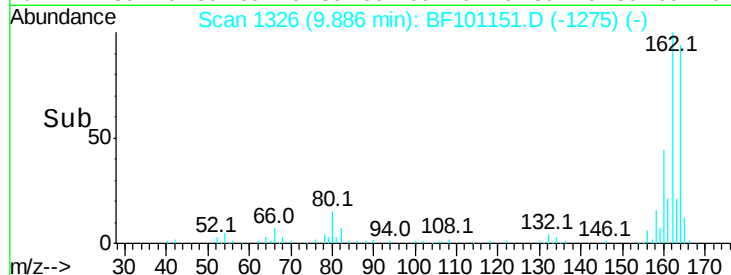
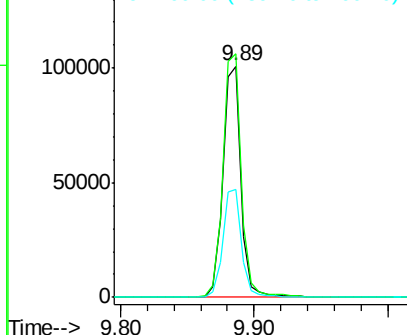
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 97106
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 46.8 38.3 57.5

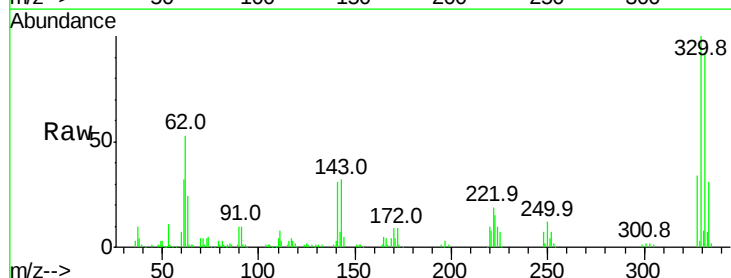


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

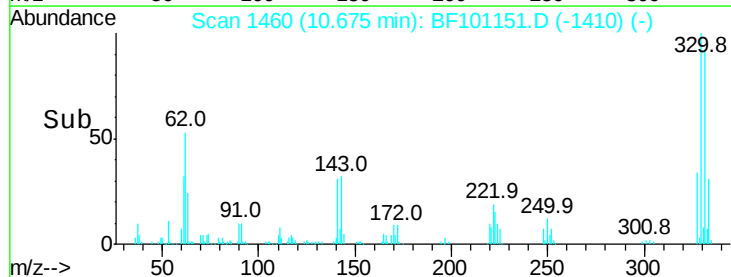
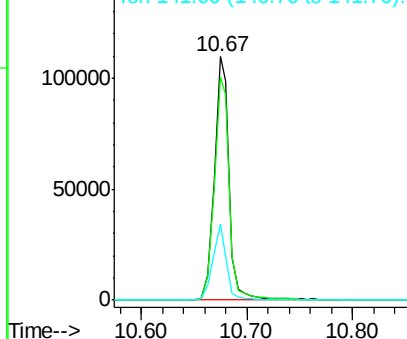


#41
2,4,6-Tribromophenol
Concen: 93.704 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion:330 Resp: 109308
Ion Ratio Lower Upper
330 100
332 93.7 77.0 115.6
141 28.8 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

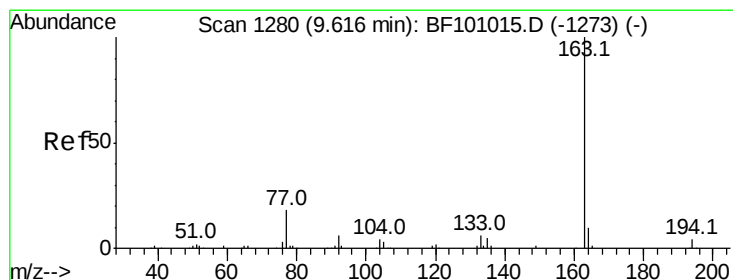
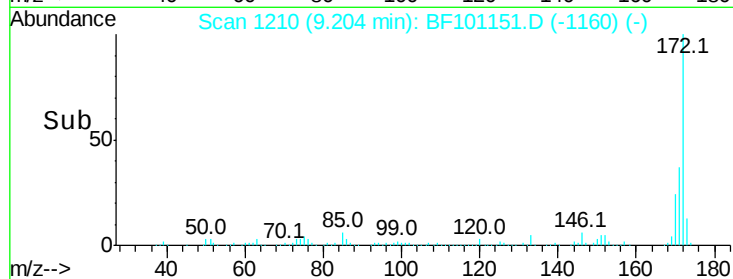
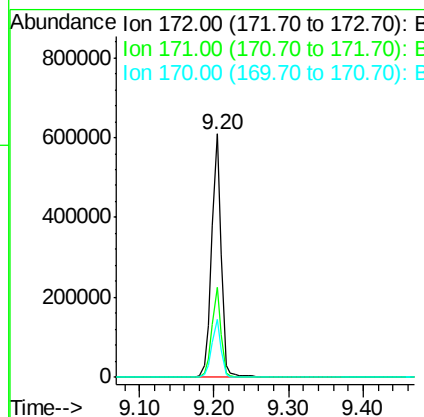
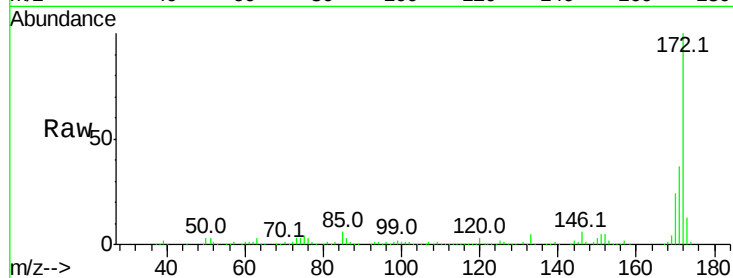




#44
2-Fluorobiphenyl
Concen: 76.417 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

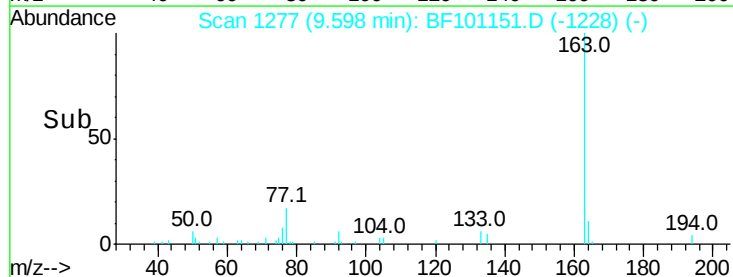
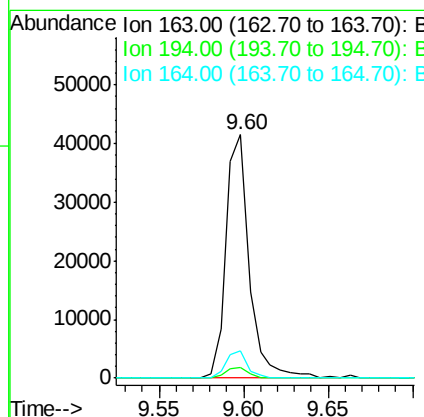
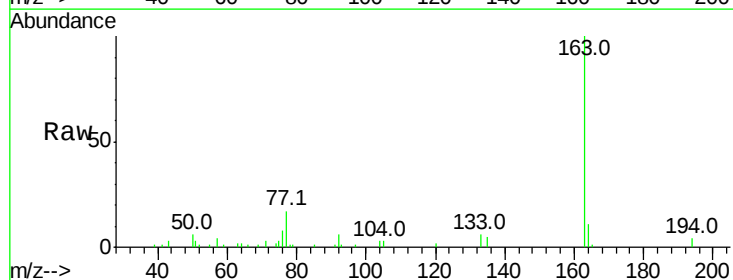
Instrument :
BNA_F
ClientSampleId :

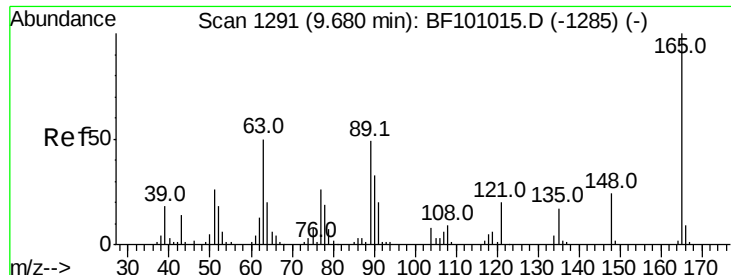
Tot Ion:172 Resp: 542357
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 23.9 19.6 29.4



#49
Dimethylphthalate
Concen: 5.089 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion:163 Resp: 39854
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 11.2 8.2 12.2

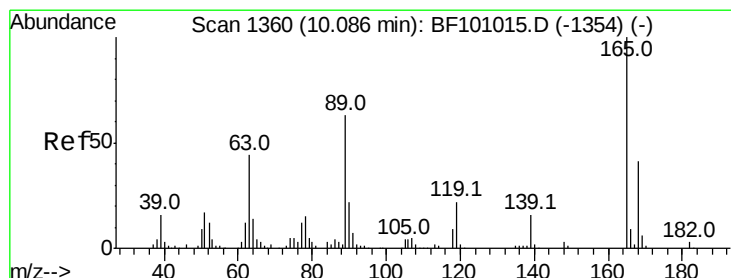
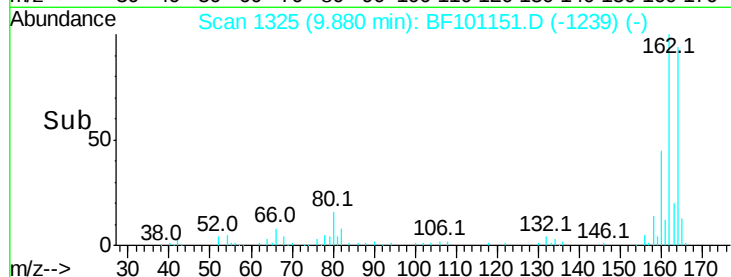
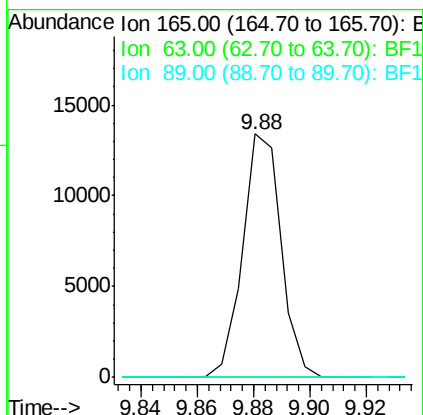
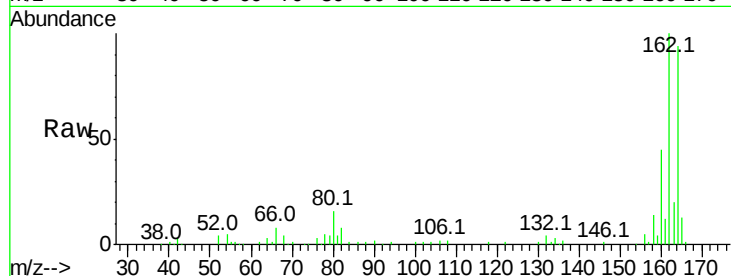




#50
 2,6-Dinitrotoluene
 Concen: 7.650 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.21 min
 Lab File: BF101151.D
 Acq: 6 Dec 2017 4:14

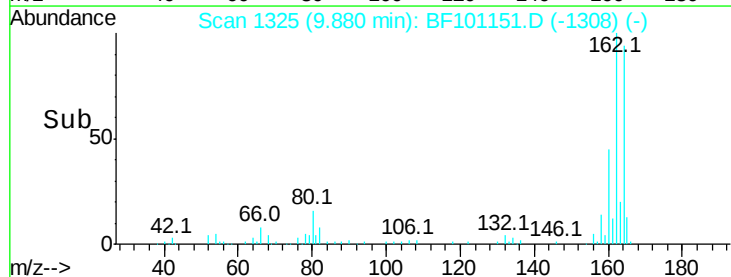
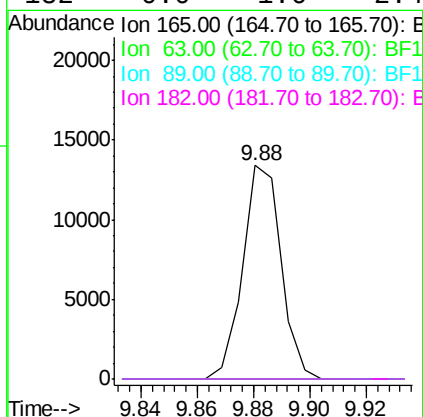
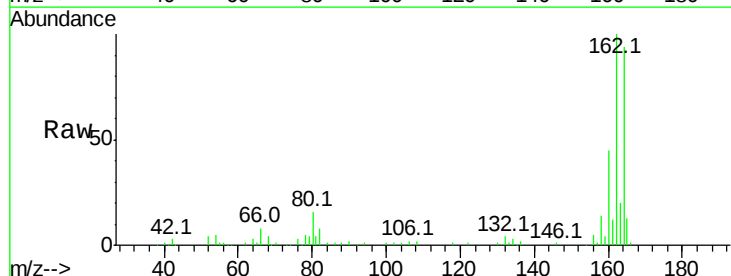
Instrument :
 BNA_F
 ClientSampleId :

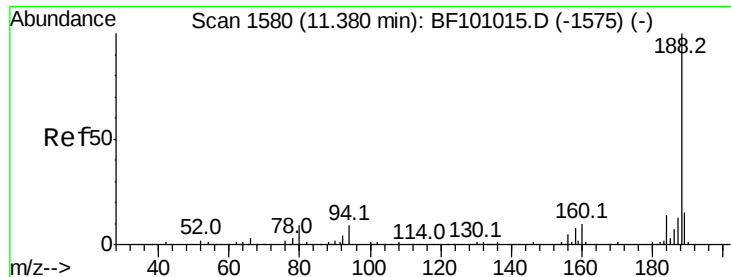
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.708 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.20 min
 Lab File: BF101151.D
 Acq: 6 Dec 2017 4:14

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#

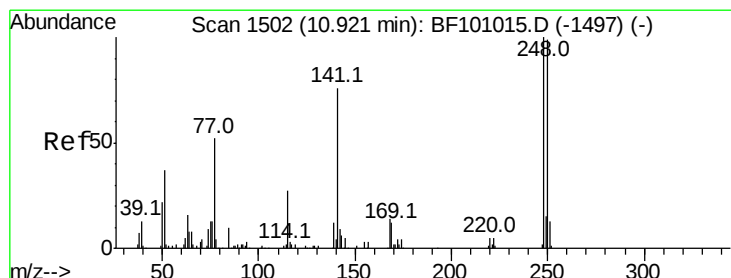
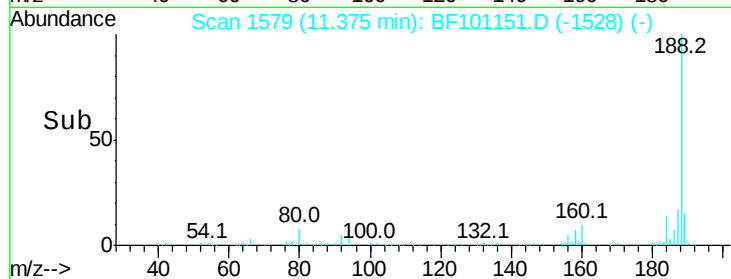
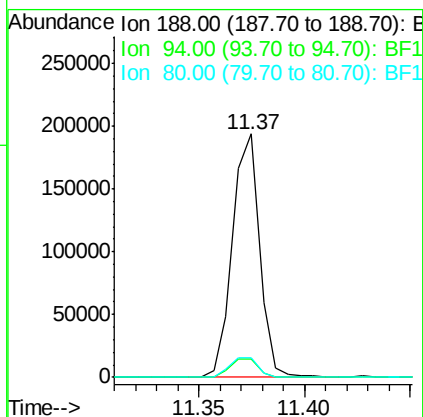
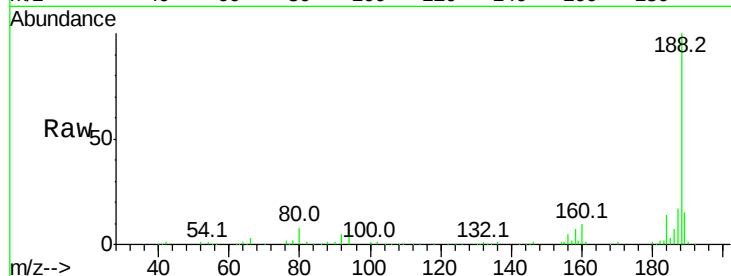




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101151.D
 Acq: 6 Dec 2017 4:14

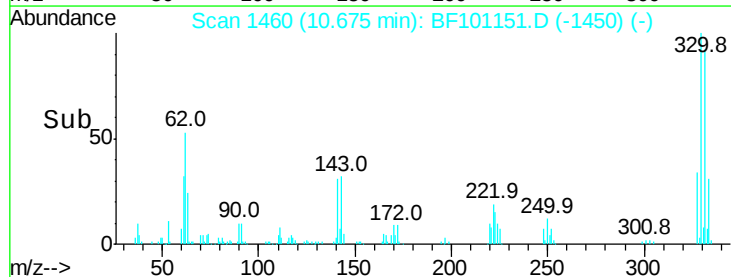
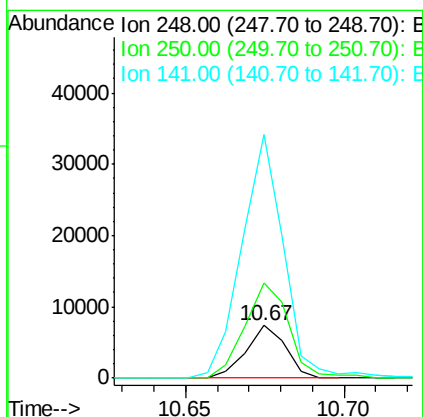
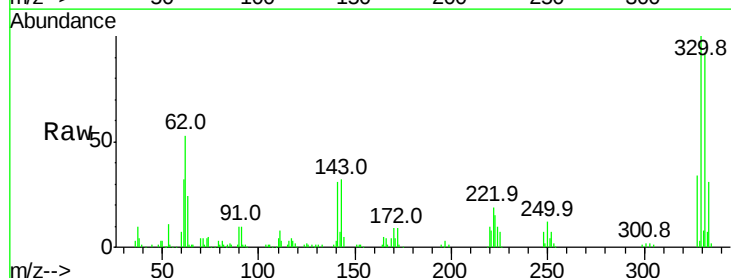
Instrument :
 BNA_F
 ClientSampleId :

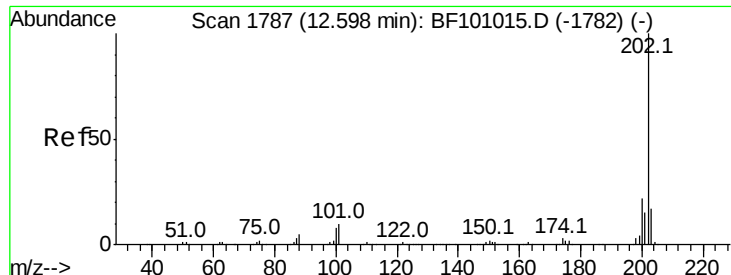
Tot Ion:188 Resp: 171694
 Ion Ratio Lower Upper
 188 100
 94 7.4 8.5 12.7#
 80 7.9 9.2 13.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.323 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101151.D
 Acq: 6 Dec 2017 4:14

Tgt Ion:248 Resp: 6386
 Ion Ratio Lower Upper
 248 100
 250 182.6 76.9 115.3#
 141 464.1 74.4 111.6#





#74

Fluoranthene

Concen: 4.317 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101151.D

Acq: 6 Dec 2017 4:14

Instrument :

BNA_F

ClientSampleId :

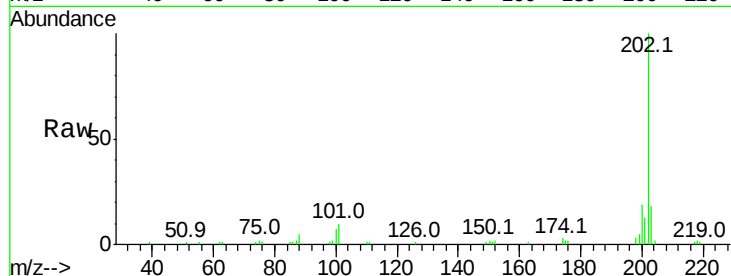
Tot Ion:202 Resp: 45241

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

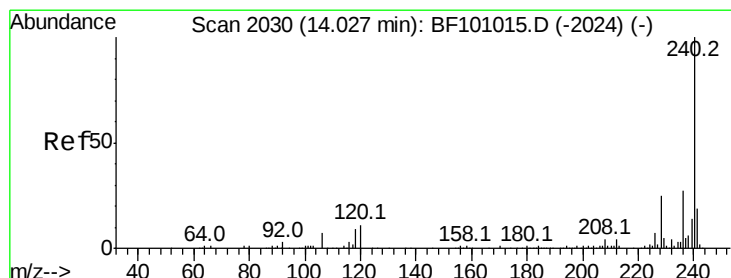
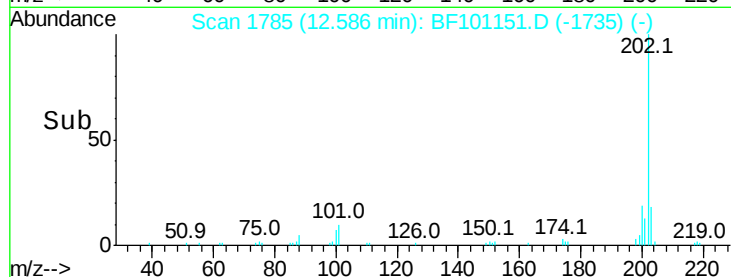
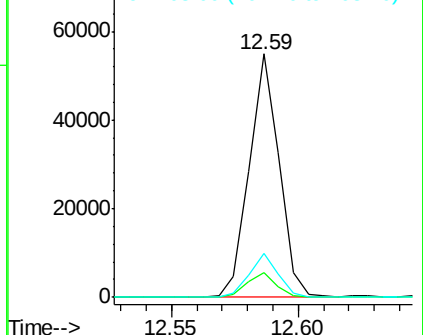
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101151.D

Acq: 6 Dec 2017 4:14

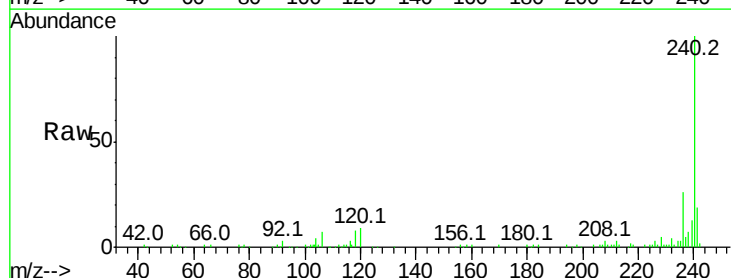
Tgt Ion:240 Resp: 110824

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

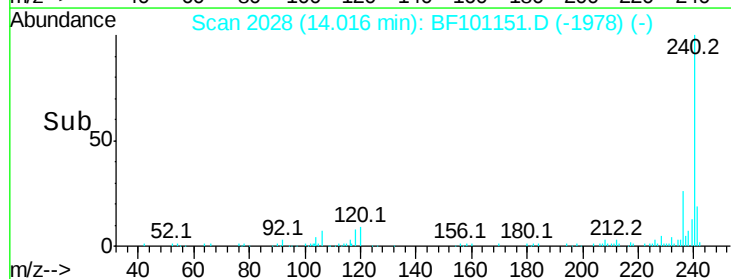
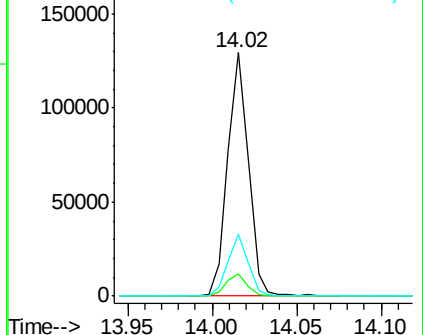
236 25.5 20.7 31.1

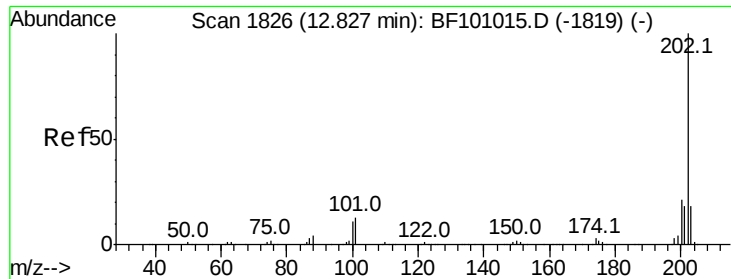


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

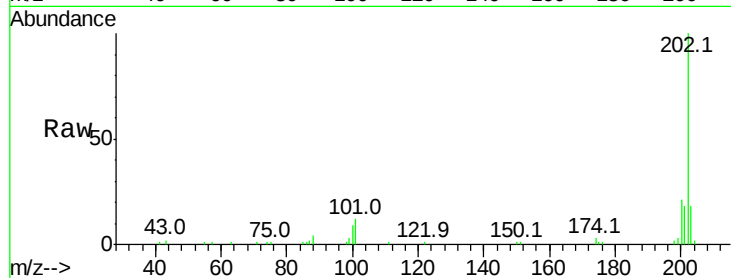




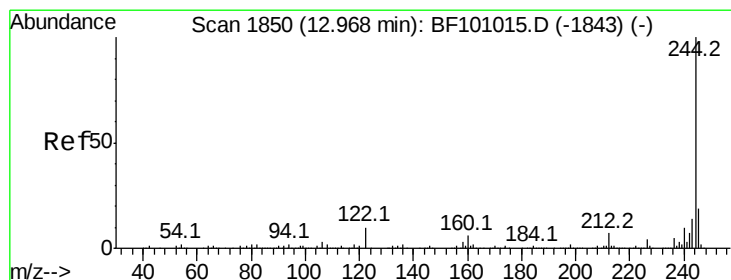
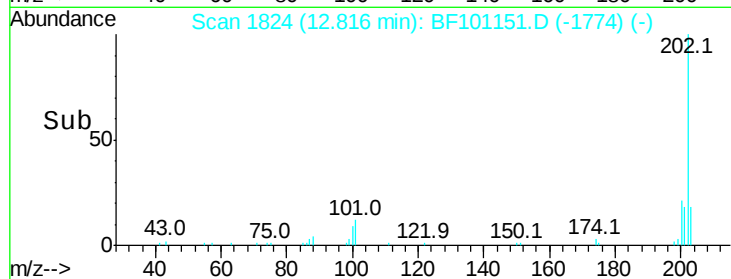
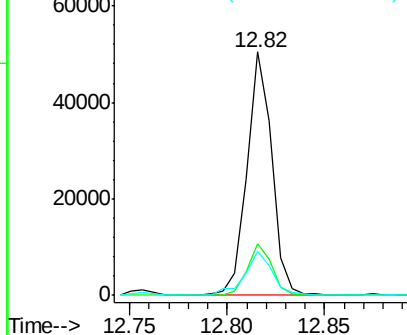
#77
Pvrene
Concen: 5.822 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 44522
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 18.1 14.3 21.5

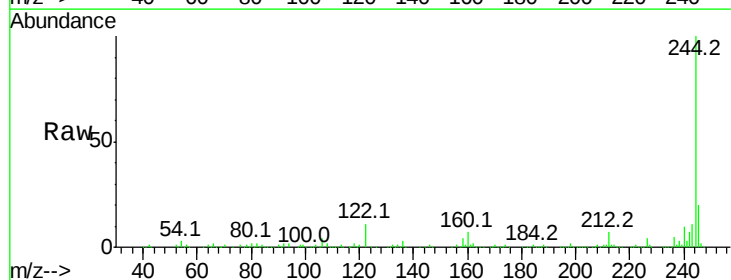


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

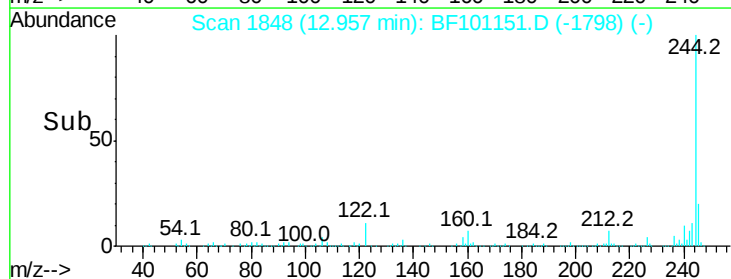
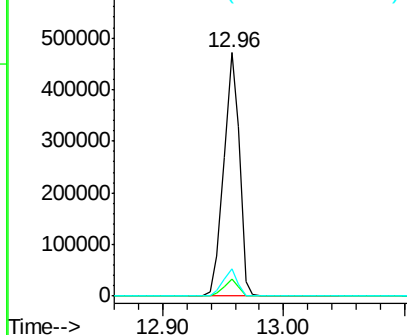


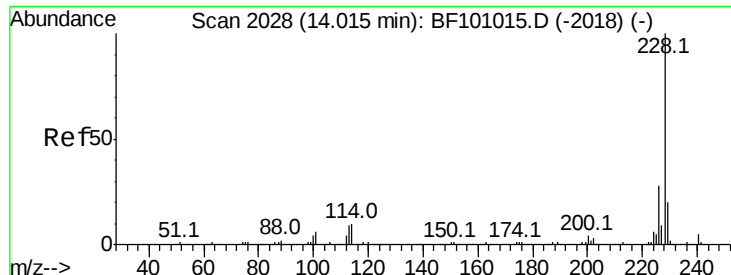
#78
Terphenyl-d14
Concen: 83.223 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion:244 Resp: 421671
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 11.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

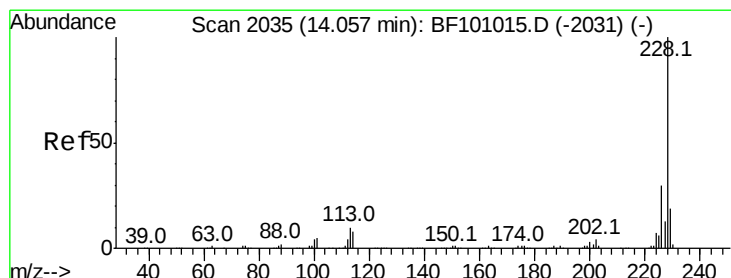
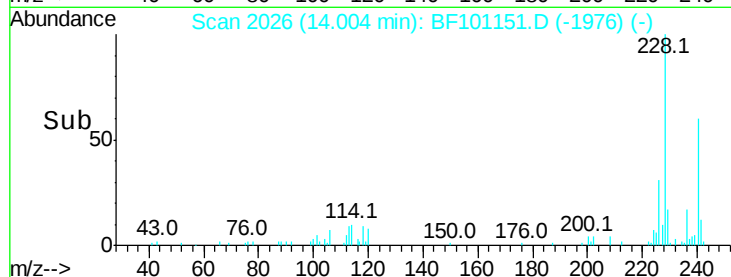
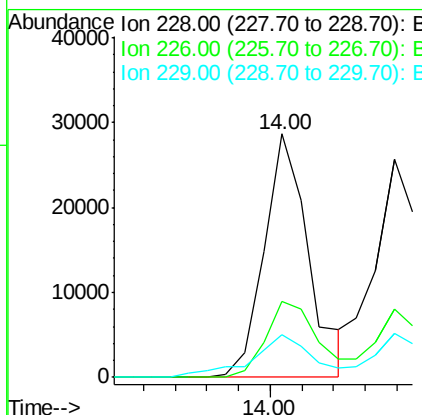
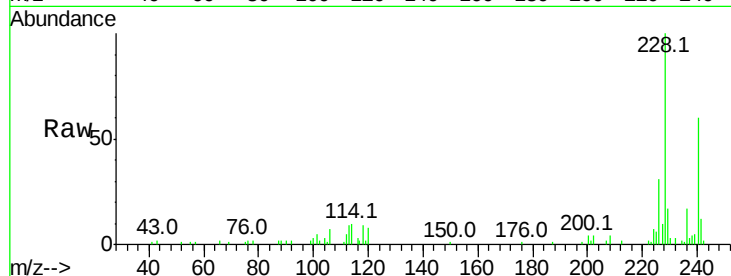




#80
Benzo(a)anthracene
Concen: 3.993 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

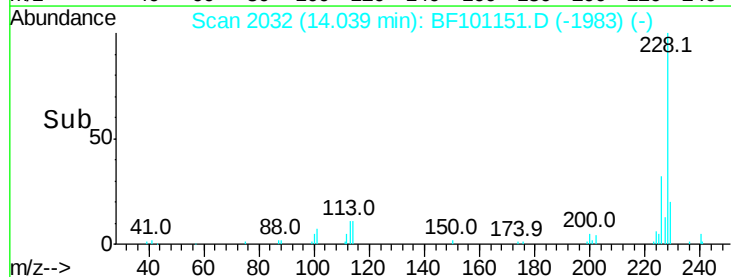
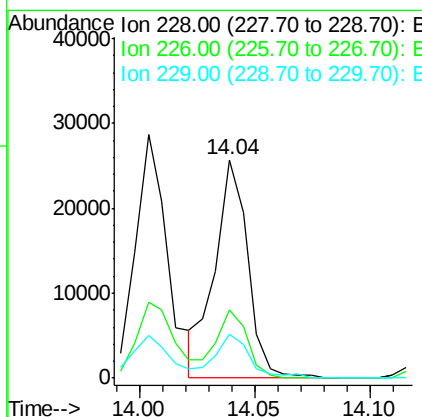
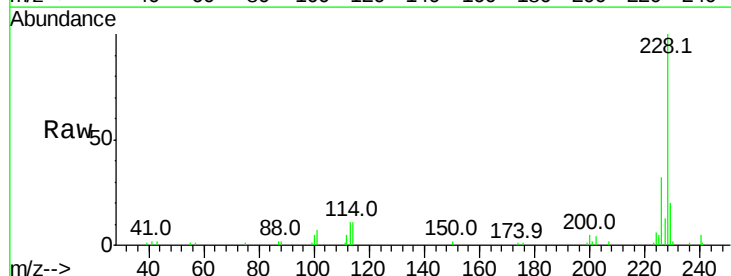
Instrument :
BNA_F
ClientSampleId :

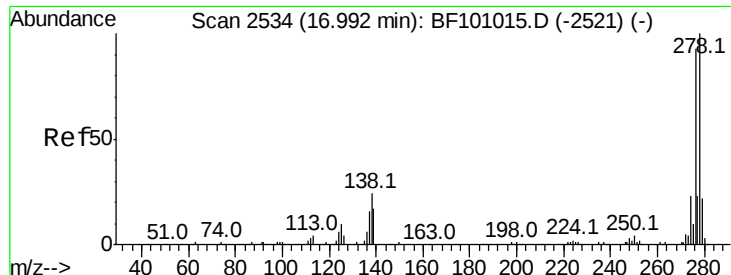
Tot Ion:228 Resp: 27937
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 17.5 15.8 23.6



#82
Chrysene
Concen: 3.929 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion:228 Resp: 25533
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 20.3 16.2 24.4

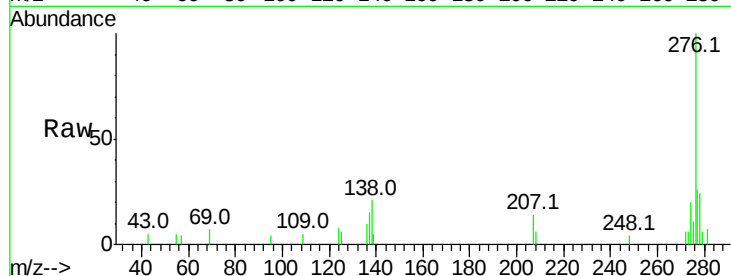




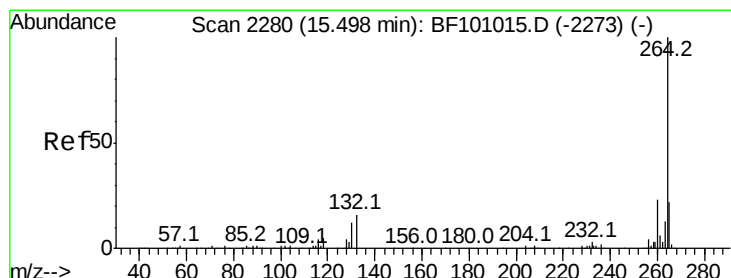
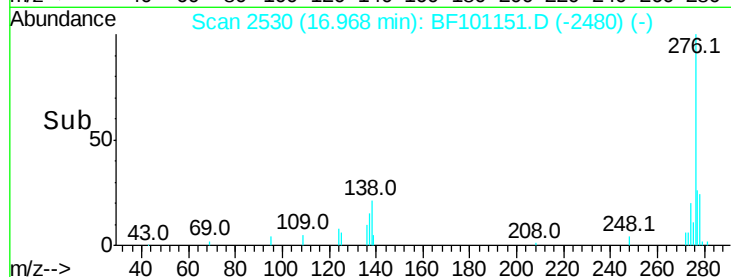
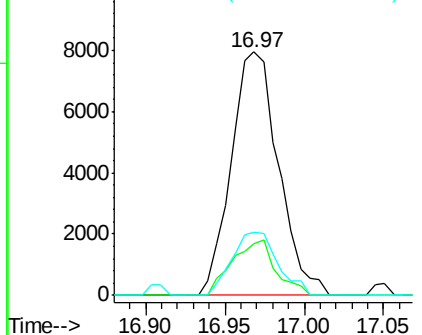
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.856 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:276 Resp: 16501
Ion Ratio Lower Upper
276 100
138 20.9 25.0 37.6#
277 25.1 20.1 30.1

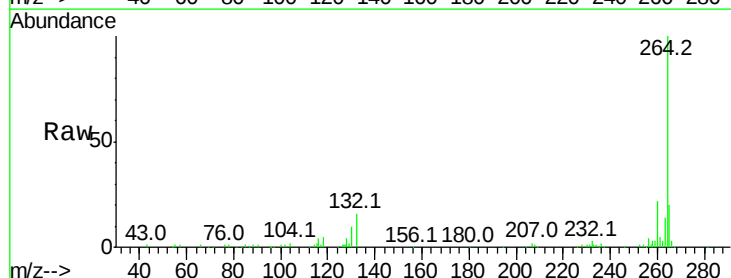


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

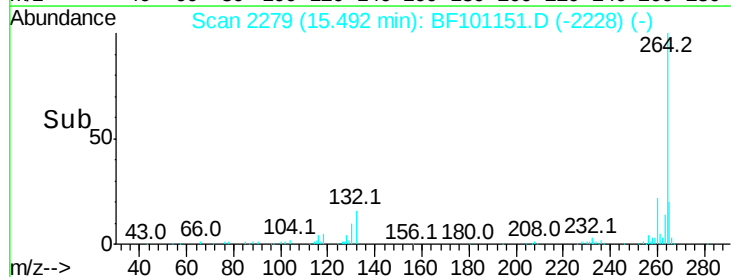
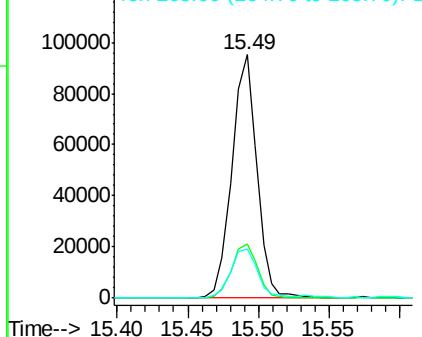


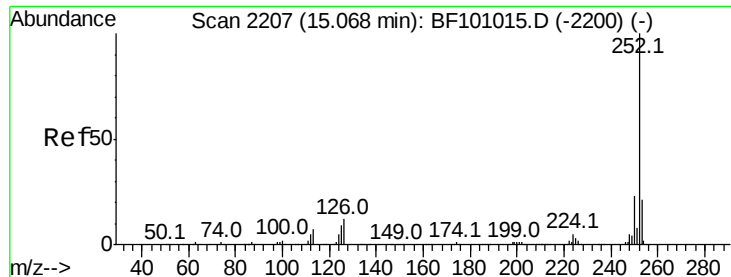
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion:264 Resp: 117556
Ion Ratio Lower Upper
264 100
260 22.1 19.2 28.8
265 20.3 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

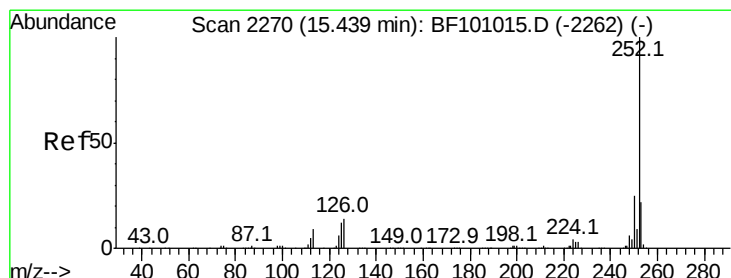
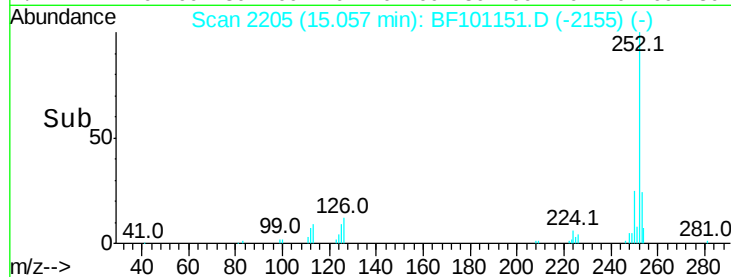
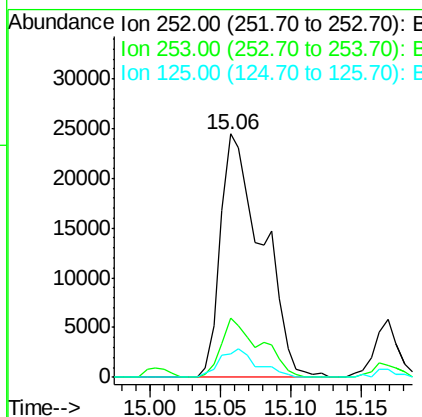
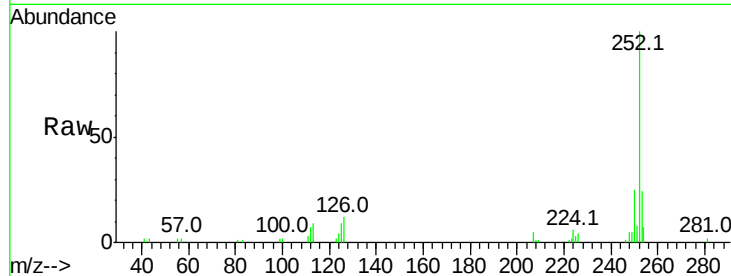




#87
Benzo(b)fluoranthene
Concen: 7.146 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

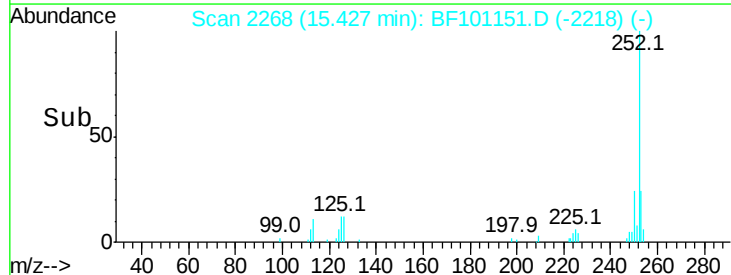
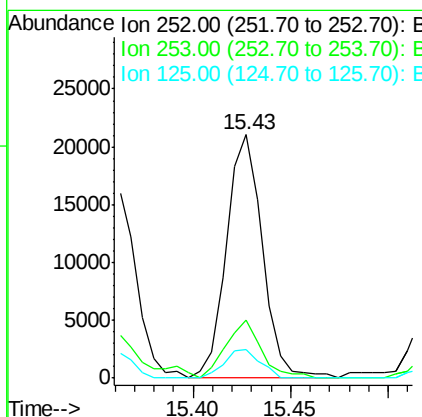
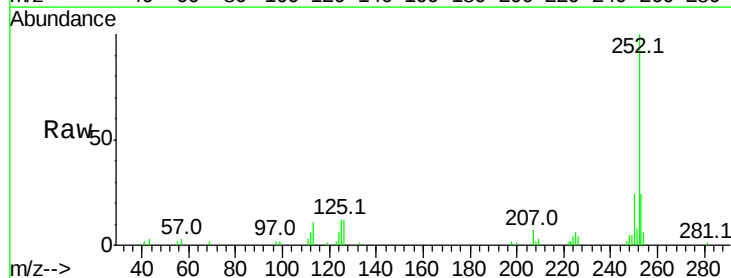
Instrument :
BNA_F
ClientSampleId :

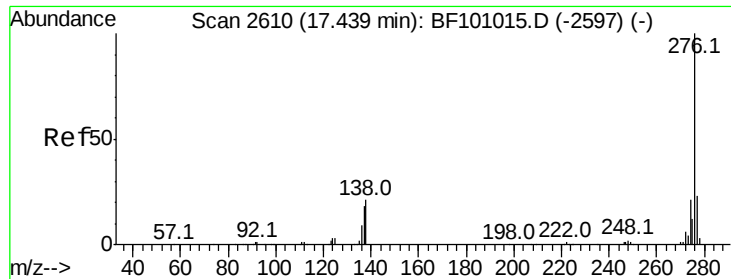
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	9.4	9.0	13.6



#89
Benzo(a)pyrene
Concen: 4.202 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101151.D
Acq: 6 Dec 2017 4:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	11.5	9.8	14.6

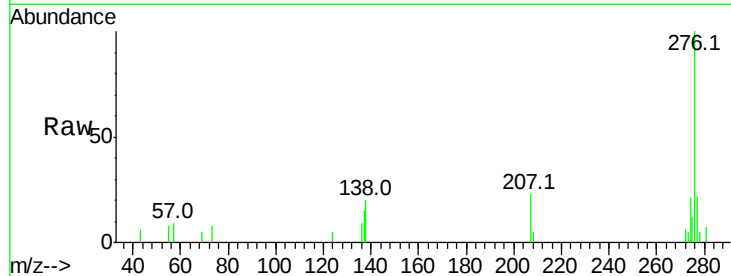




#91
 Benzo(a,h,i)perylene
 Concen: 2.612 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF101151.D
 Acq: 6 Dec 2017 4:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.7	17.9	26.9
138	20.0	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

