

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101261.D
 Acq On : 9 Dec 2017 4:20
 Operator : SJ/JU
 Sample : I6791-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:39:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

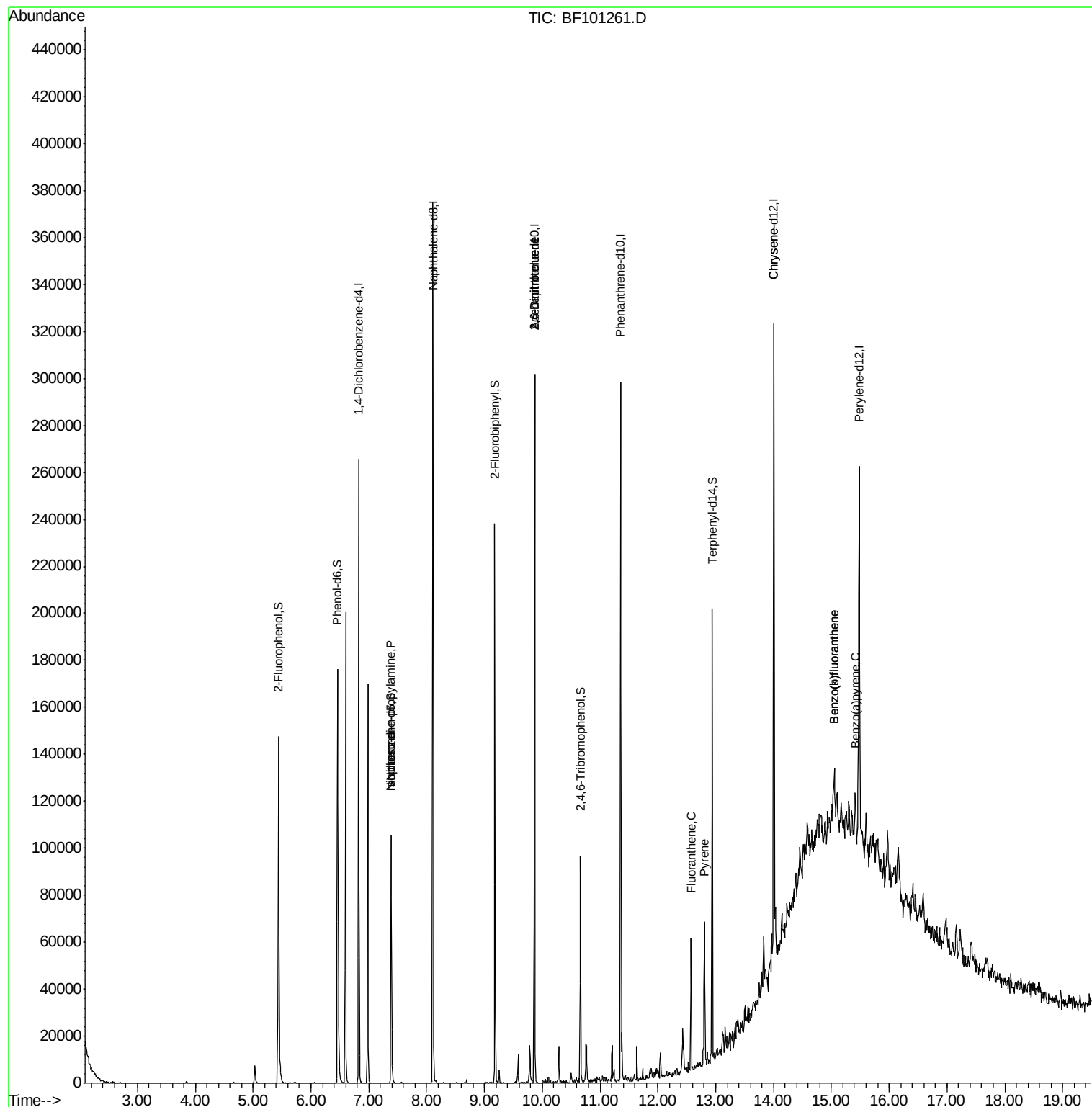
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	40886	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	149782	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	59484	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	101570	20.00	ng	0.00
75) Chrysene-d12	14.01	240	91187	20.00	ng	0.00
86) Perylene-d12	15.48	264	70408	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	52356	21.16	ng	0.00
7) Phenol-d6	6.46	99	63119	21.01	ng	0.00
23) Nitrobenzene-d5	7.39	82	31380	12.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	11756	16.45	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	71834	16.52	ng	0.00
78) Terphenyl-d14	12.94	244	57440	13.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	4379	2.165	ng	# 80
25) Isophorone	7.39	82	31380	7.317	ng	# 64
50) 2,6-Dinitrotoluene	9.87	165	7121	7.048	ng	# 24
56) 2,4-Dinitrotoluene	9.87	165	7121	5.259	ng	# 21
74) Fluoranthene	12.57	202	20534	3.312	ng	94
77) Pyrene	12.80	202	20045	3.186	ng	98
82) Chrysene	14.00	228	10810	2.022	ng	95
87) Benzo(b)fluoranthene	15.05	252	15283	3.624	ng	# 77
88) Benzo(k)fluoranthene	15.05	252	15283	3.678	ng	# 80
89) Benzo(a)pyrene	15.42	252	7816	2.039	ng	# 75

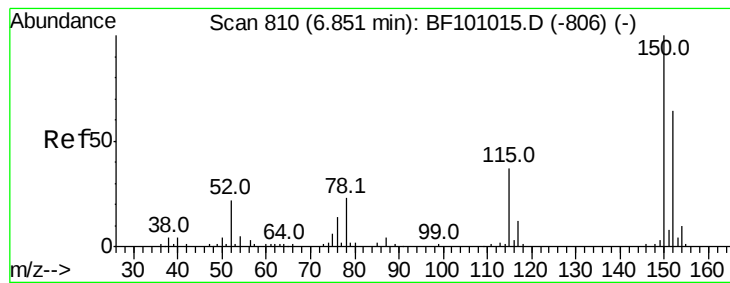
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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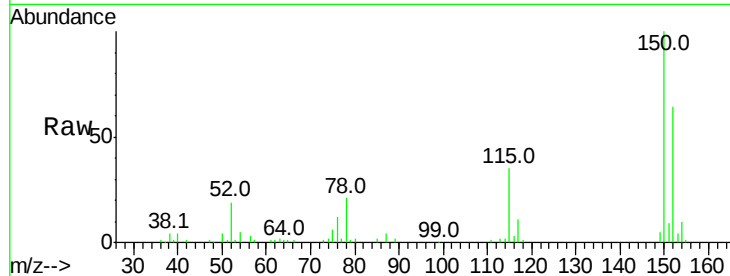


#1

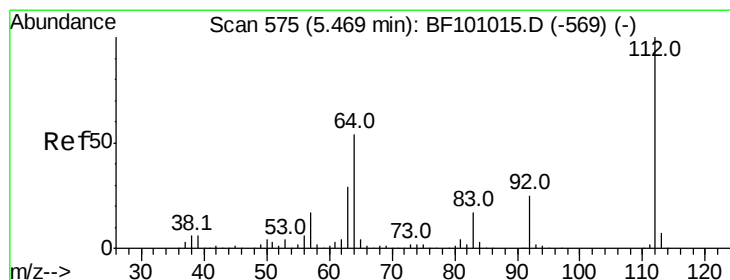
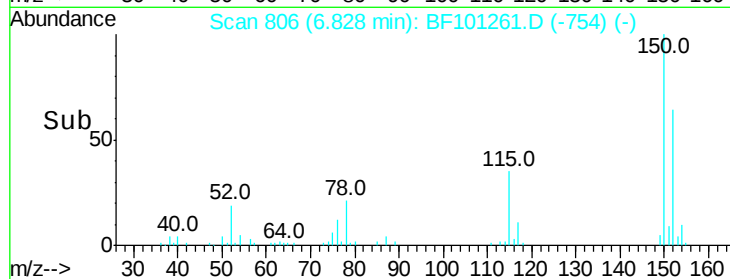
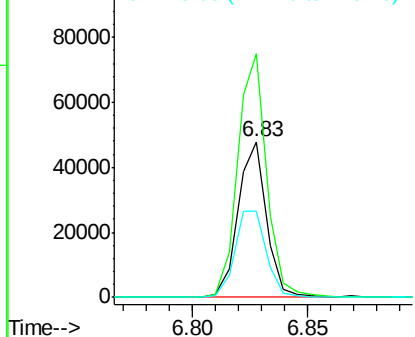
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40886
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 55.4 50.1 75.1



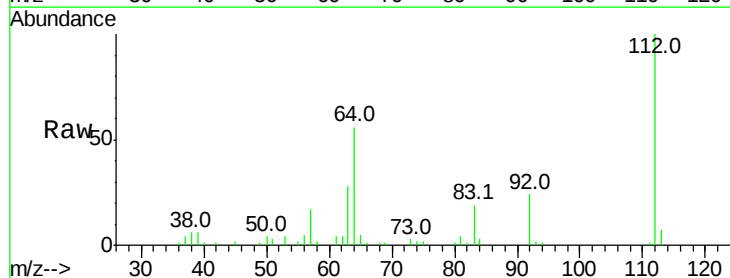
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



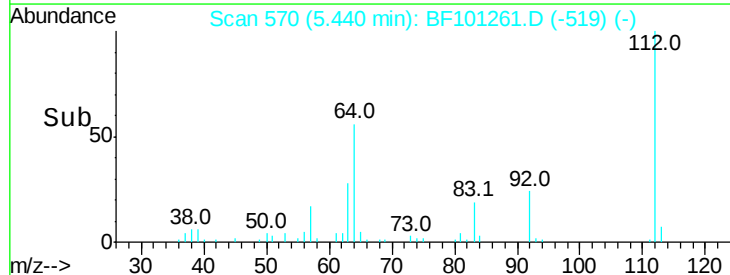
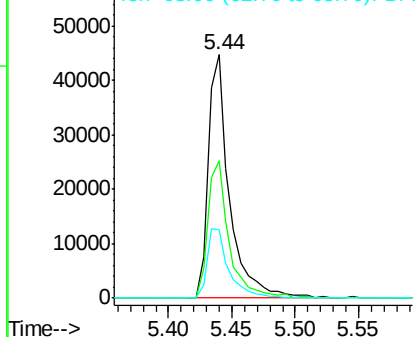
#5

2-Fluorophenol
Concen: 21.160 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:112 Resp: 52356
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.2 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: 21.012 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampleId :

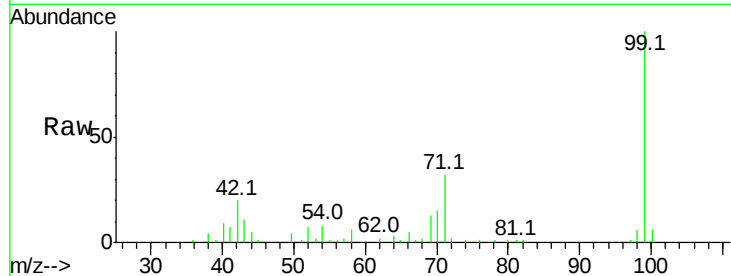
Tot Ion: 99 Resp: 63119

Ion Ratio Lower Upper

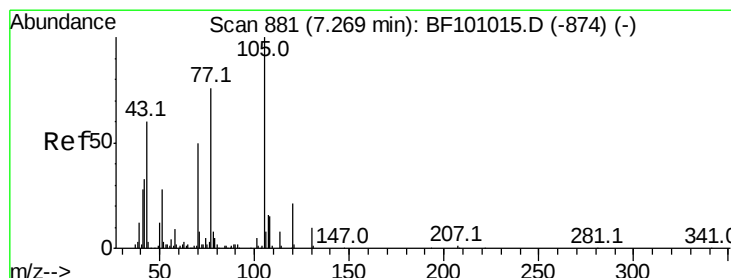
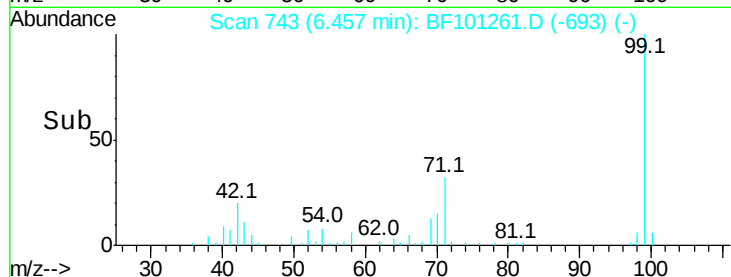
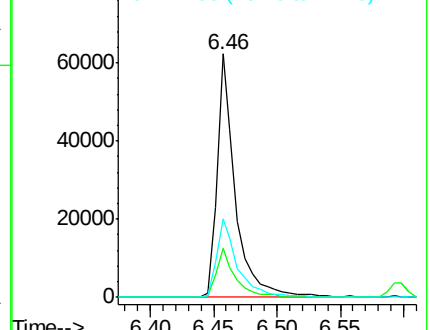
99 100

42 20.2 14.5 21.7

71 32.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.165 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Tgt Ion: 70 Resp: 4379

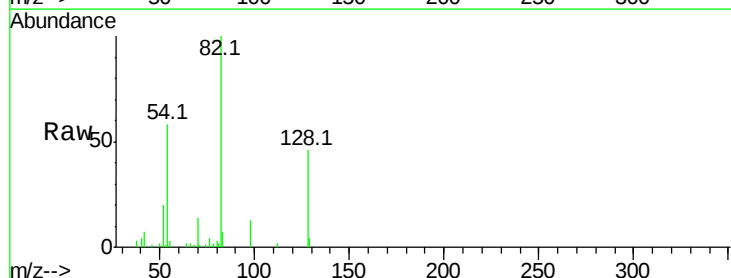
Ion Ratio Lower Upper

70 100

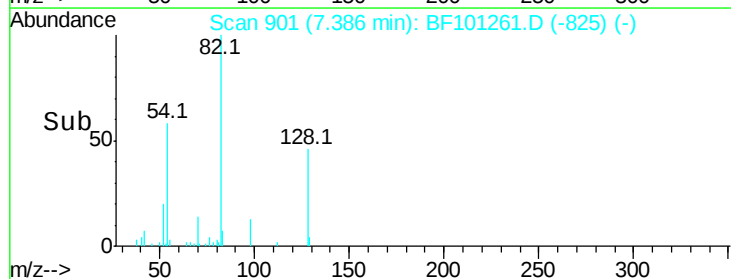
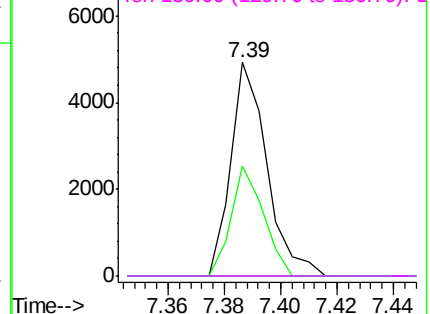
42 51.3 47.5 71.3

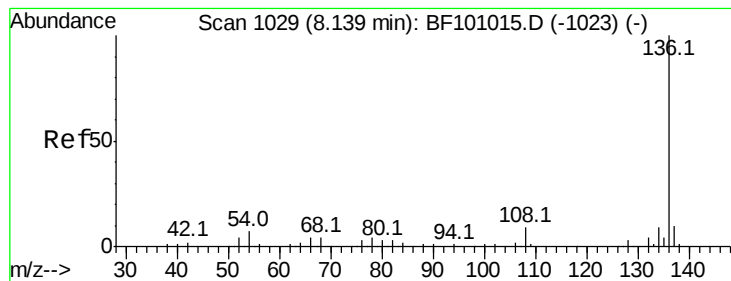
101 0.0 7.4 11.2#

130 0.0 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

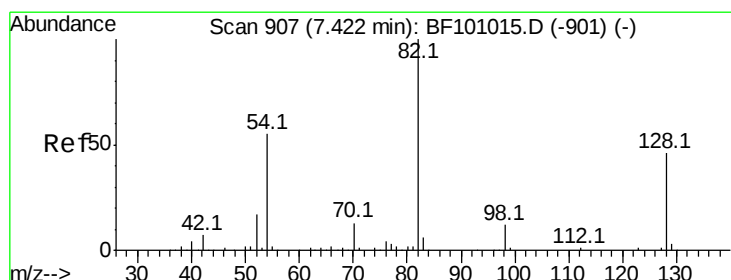
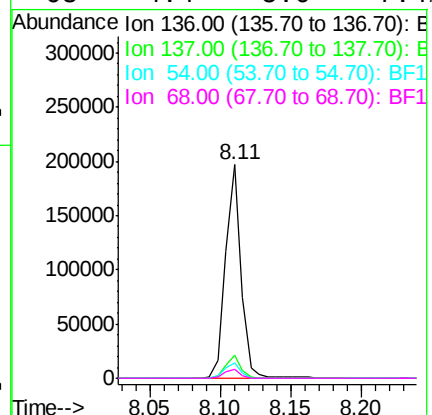
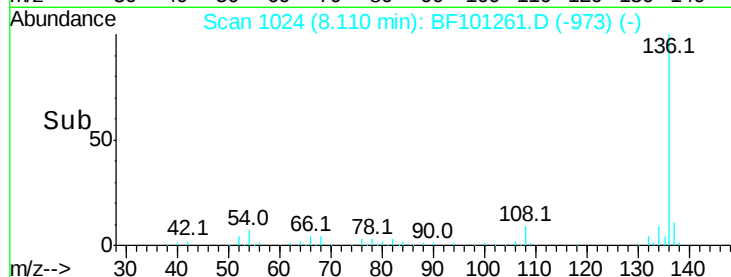
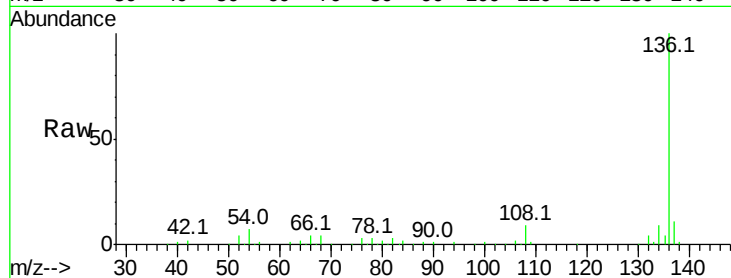




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

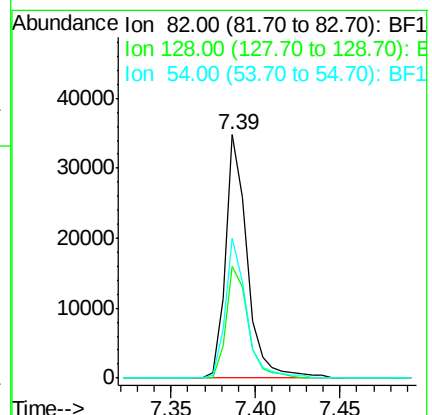
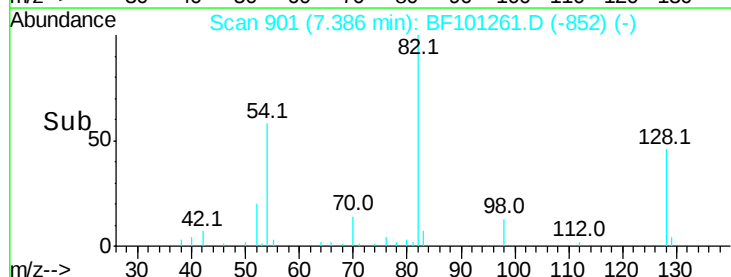
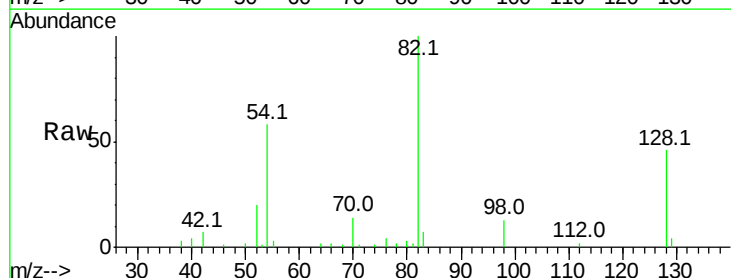
Instrument :
BNA_F
ClientSampleId :

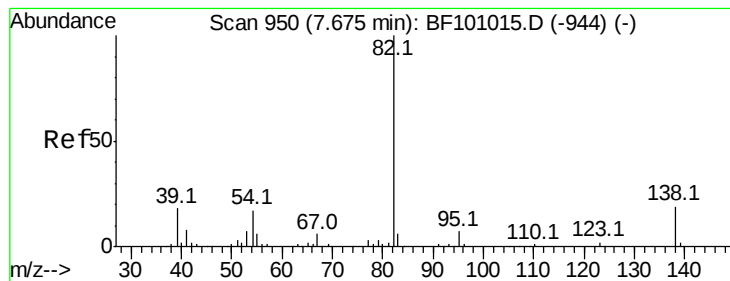
Tot Ion:	136	Resp:	149782
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.3	6.6	9.8
68	4.4	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 12.498 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:	82	Resp:	31380
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	57.6	41.4	62.2





#25

Isophorone

Concen: 7.317 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampled :

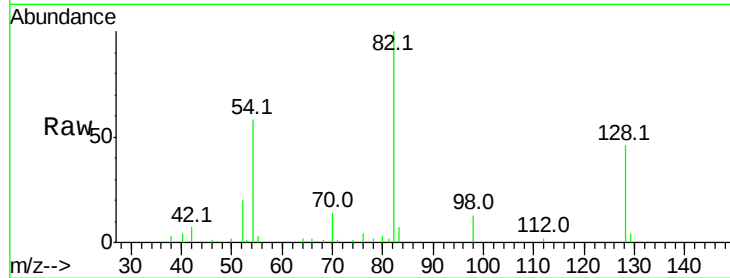
Tot Ion: 82 Resp: 31380

Ion Ratio Lower Upper

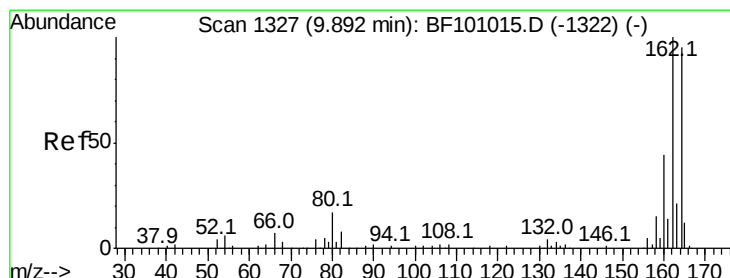
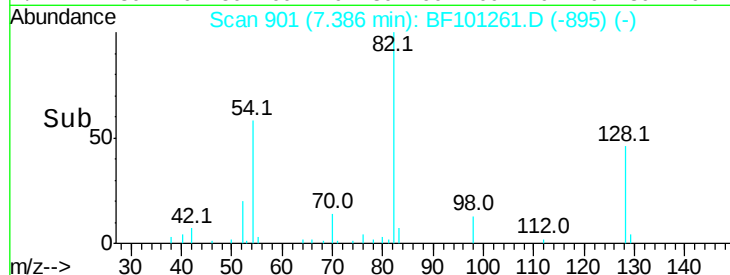
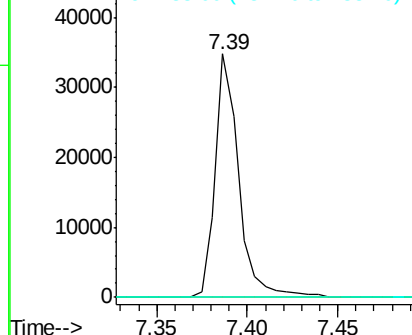
82 100

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: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

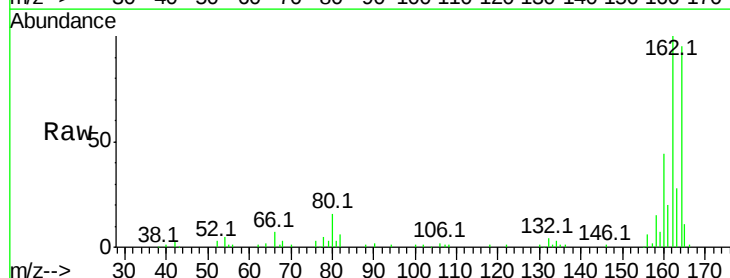
Tgt Ion:164 Resp: 59484

Ion Ratio Lower Upper

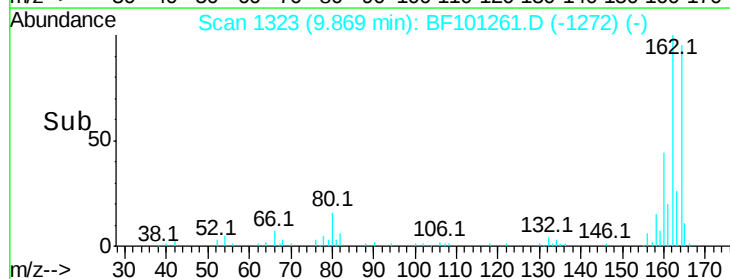
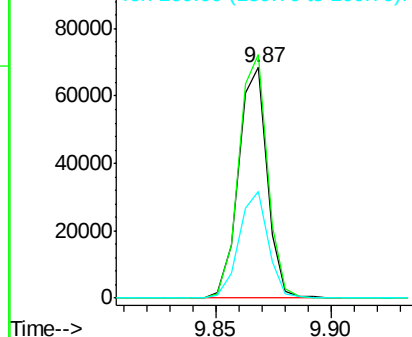
164 100

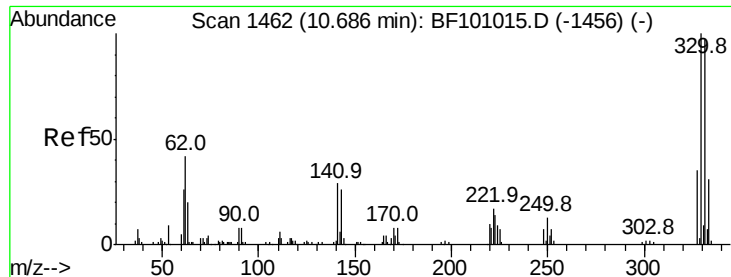
162 105.7 86.1 129.1

160 46.4 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

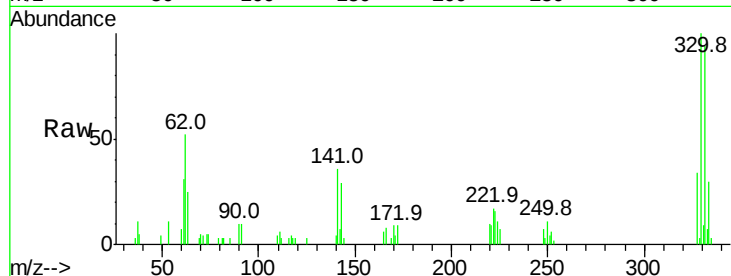




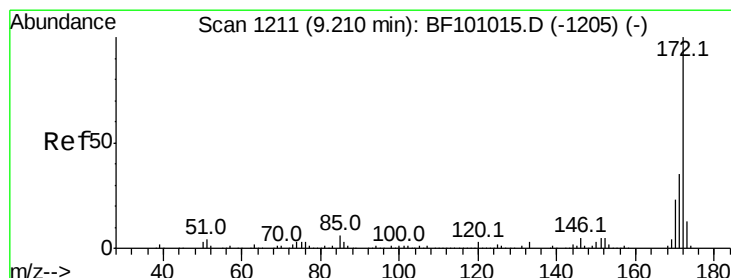
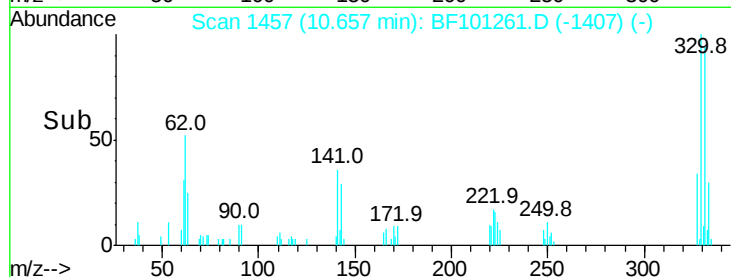
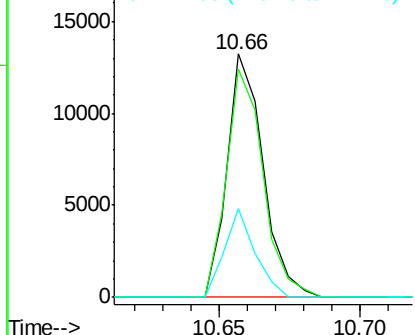
#41
 2,4,6-Tribromophenol
 Concen: 16.452 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 11756
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 30.6 29.9 44.9

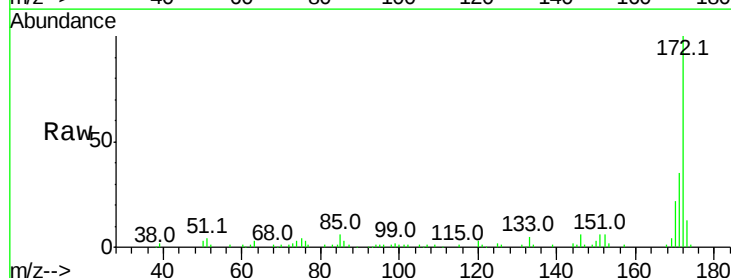


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

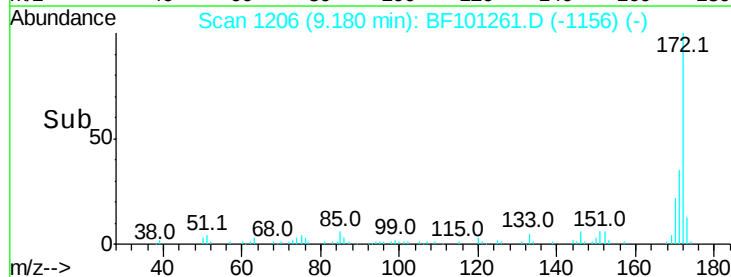
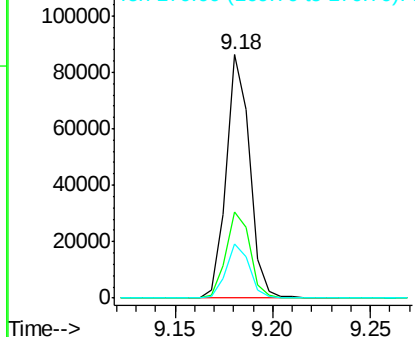


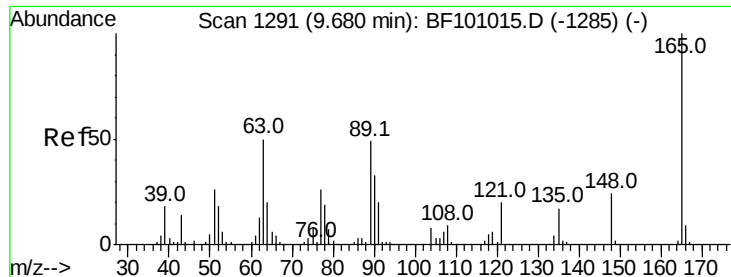
#44
 2-Fluorobiphenyl
 Concen: 16.523 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

Tgt Ion:172 Resp: 71834
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 22.4 19.6 29.4



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

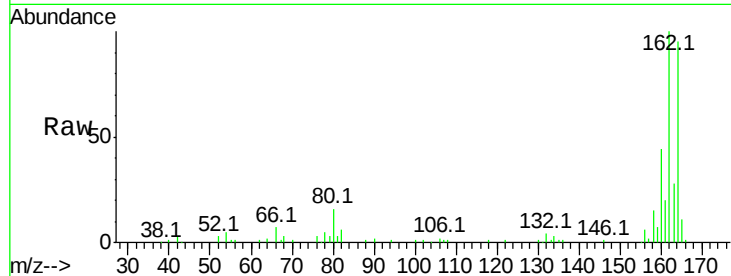




#50
 2,6-Dinitrotoluene
 Concen: 7.048 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

Instrument :
 BNA_F
 ClientSampleId :

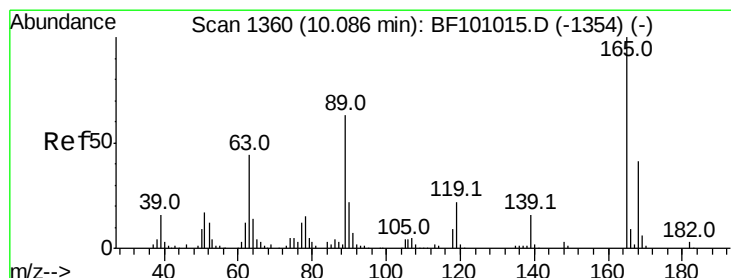
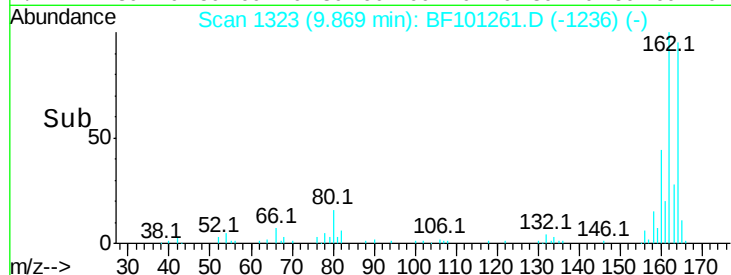
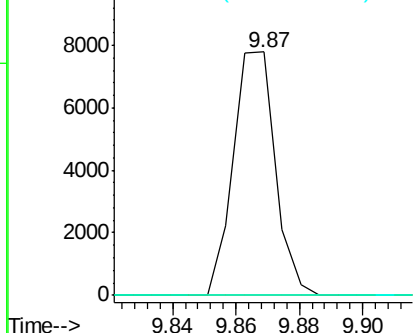
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.259 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

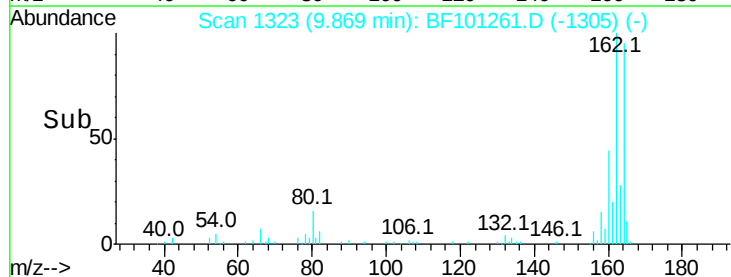
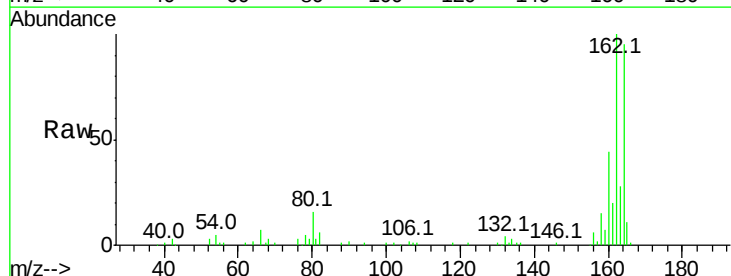
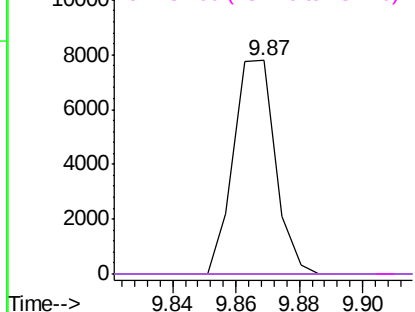
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

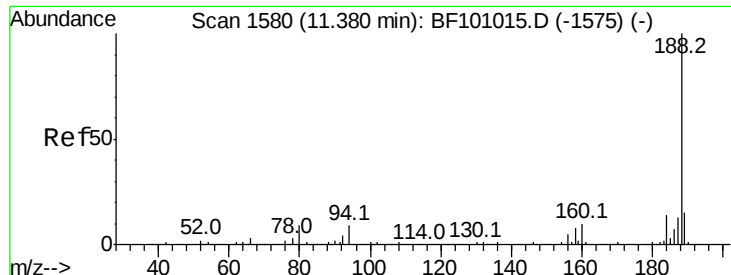
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

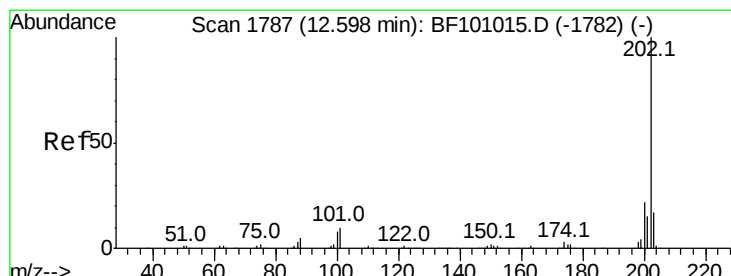
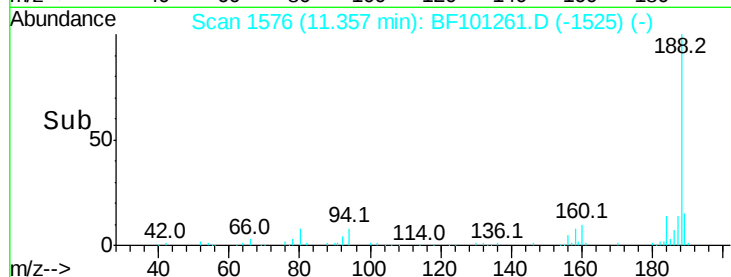
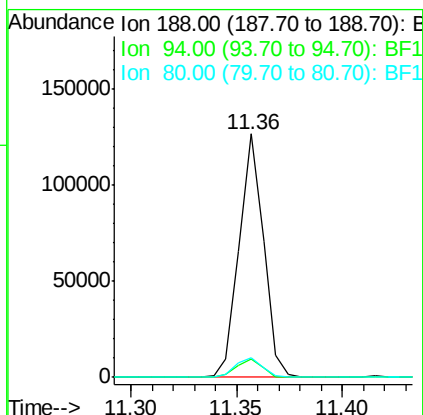
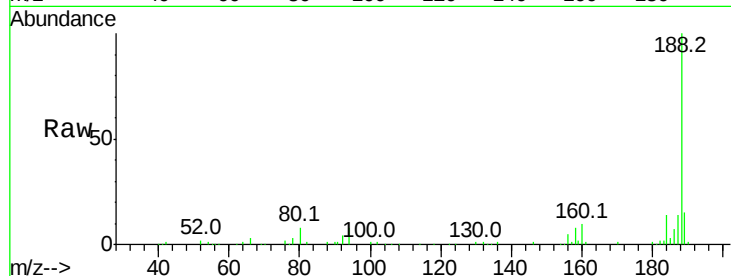




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

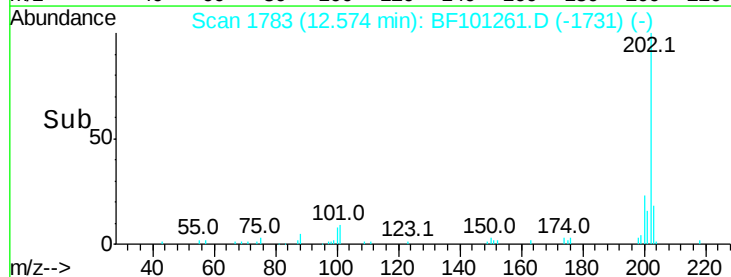
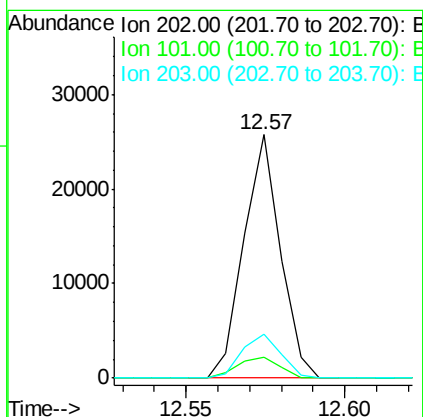
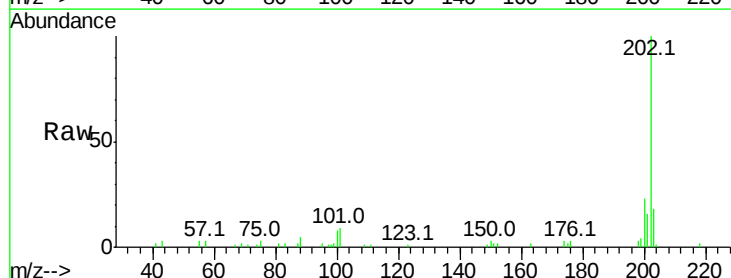
Instrument :
BNA_F
ClientSampleId :

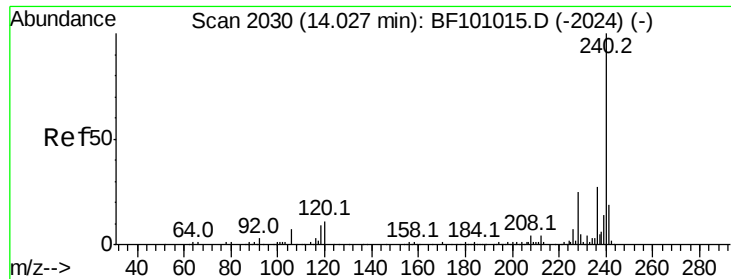
Tot Ion:188 Resp: 101570
Ion Ratio Lower Upper
188 100
94 7.7 8.5 12.7#
80 8.1 9.2 13.8#



#74
Fluoranthene
Concen: 3.312 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:202 Resp: 20534
Ion Ratio Lower Upper
202 100
101 8.6 0.0 34.1
203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

Instrument :

BNA_F

ClientSampleId :

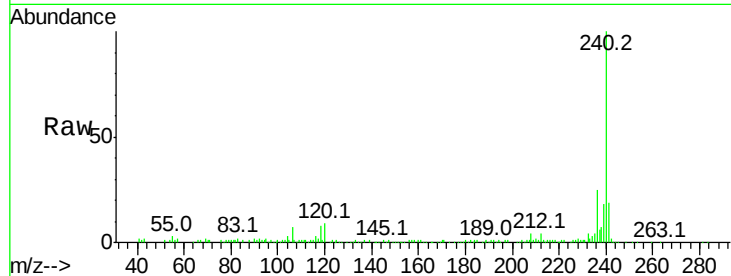
Tot Ion:240 Resp: 91187

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

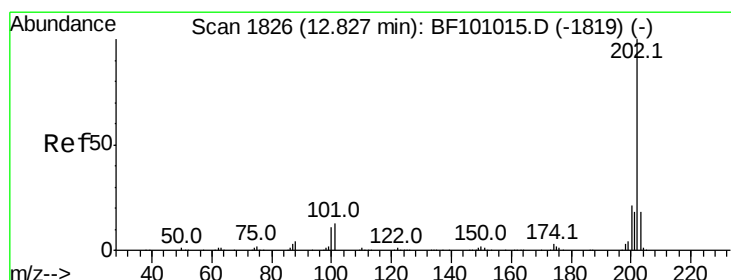
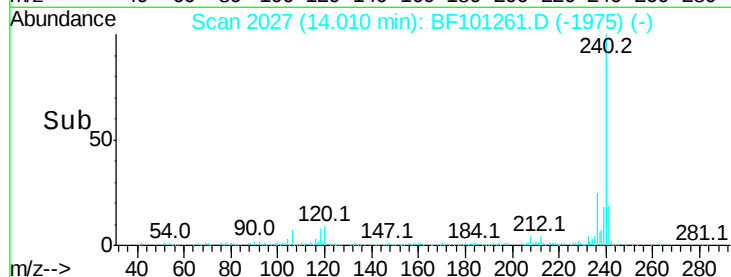
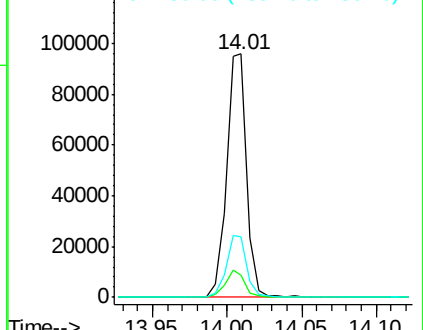
236 24.9 20.7 31.1



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: 3.186 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF101261.D

Acq: 9 Dec 2017 4:20

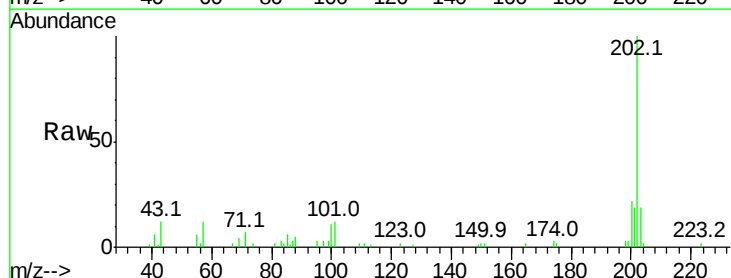
Tgt Ion:202 Resp: 20045

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

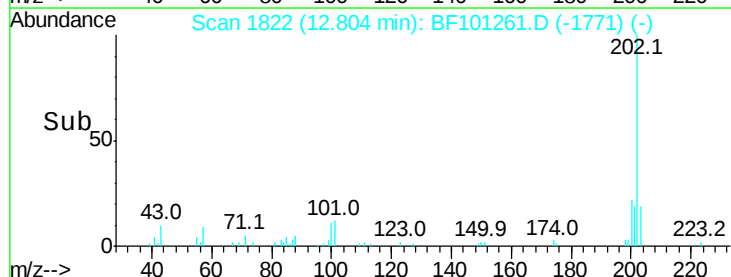
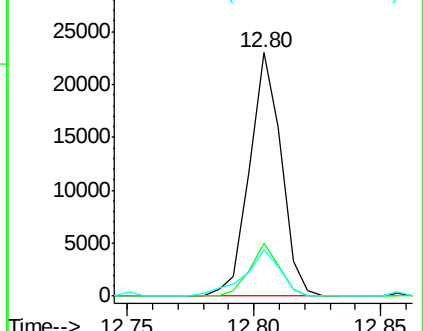
203 19.2 14.3 21.5

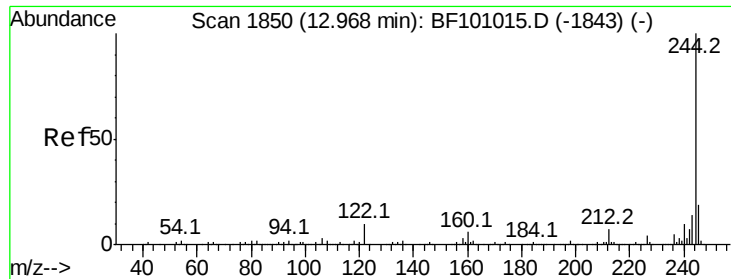


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

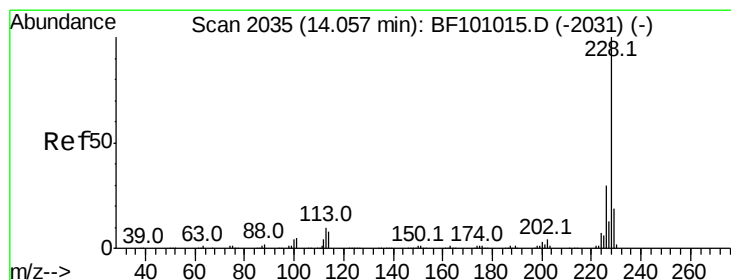
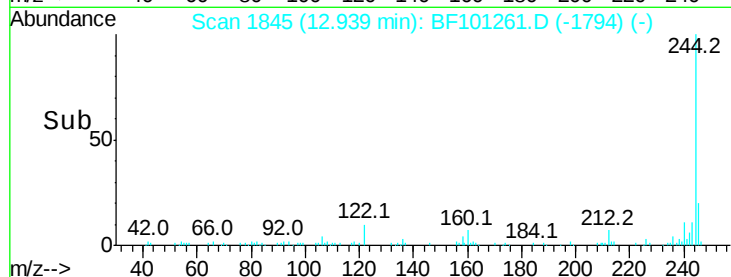
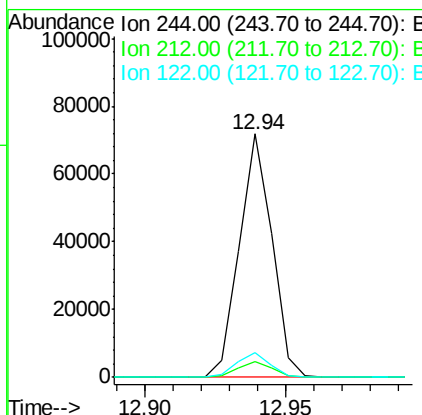
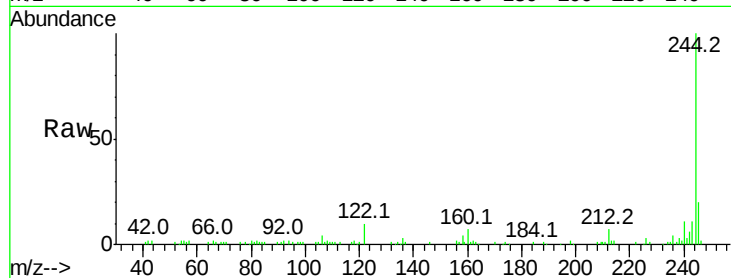




#78
 Terphenyl-d14
 Concen: 13.778 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

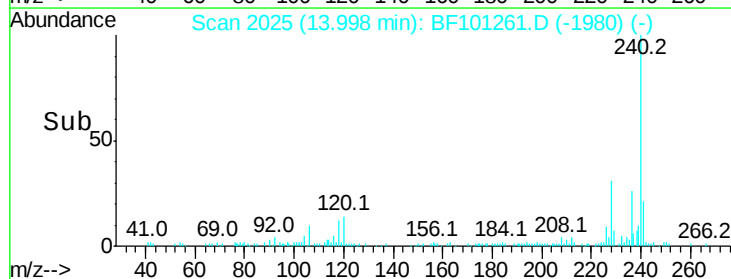
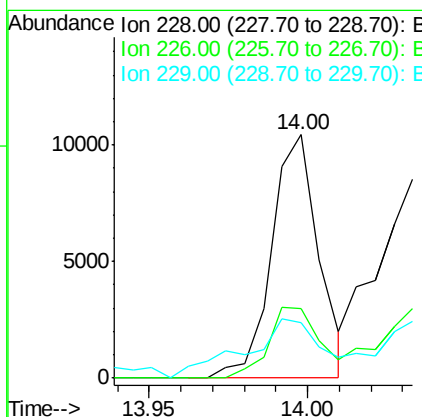
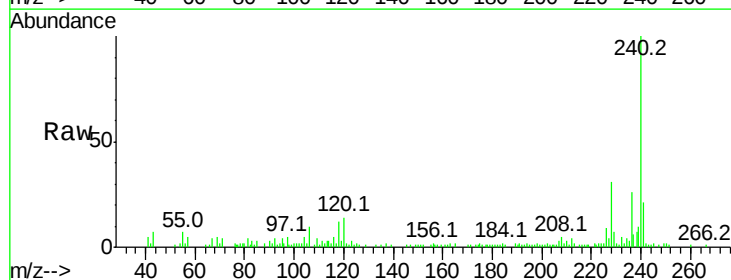
Instrument :
 BNA_F
 ClientSampleId :

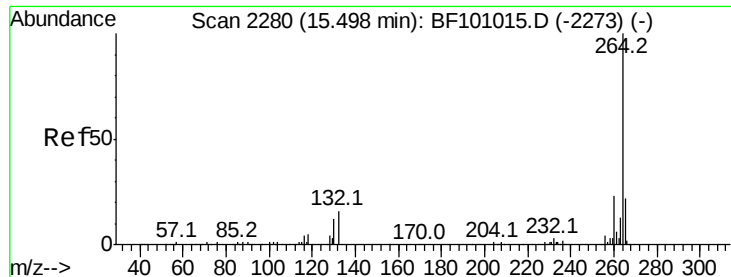
Tot Ion:244 Resp: 57440
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.1 11.0 16.4#



#82
 Chrysene
 Concen: 2.022 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.04 min
 Lab File: BF101261.D
 Acq: 9 Dec 2017 4:20

Tgt Ion:228 Resp: 10810
 Ion Ratio Lower Upper
 228 100
 226 28.4 25.0 37.6
 229 22.9 16.2 24.4

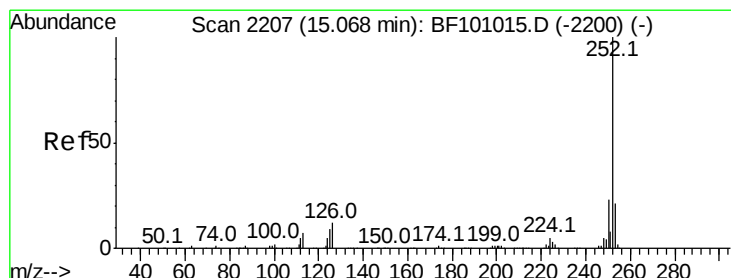
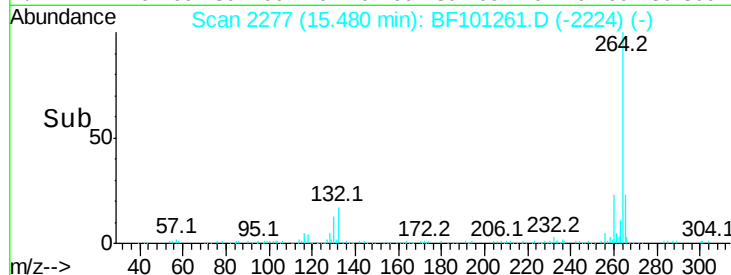
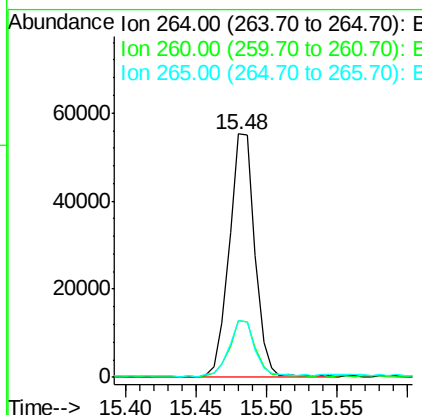
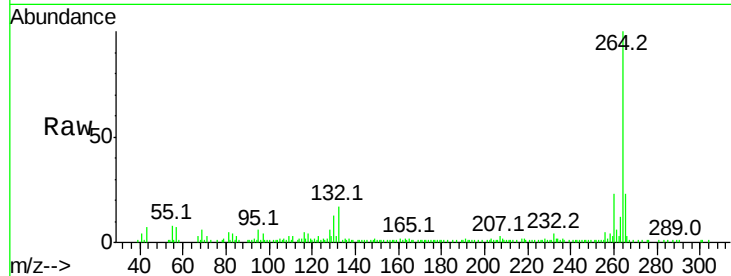




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

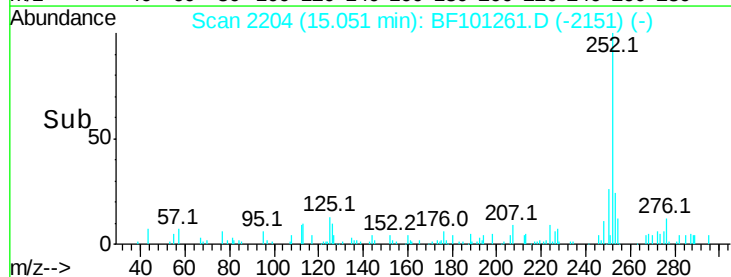
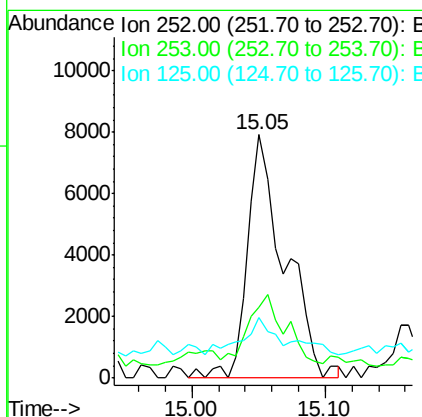
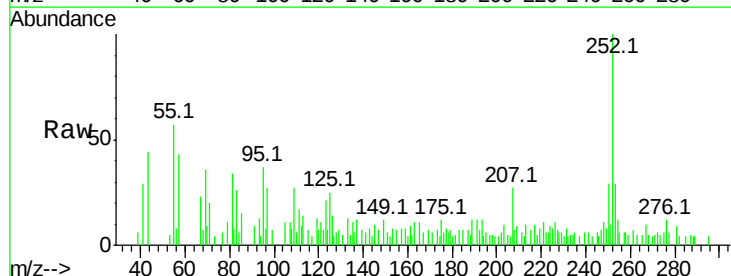
Instrument :
BNA_F
ClientSampleId :

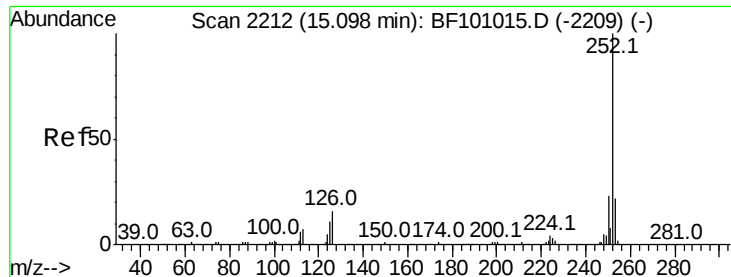
Tot Ion:264 Resp: 70408
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 23.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.624 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:252 Resp: 15283
Ion Ratio Lower Upper
252 100
253 29.3 17.0 25.6#
125 24.8 9.0 13.6#

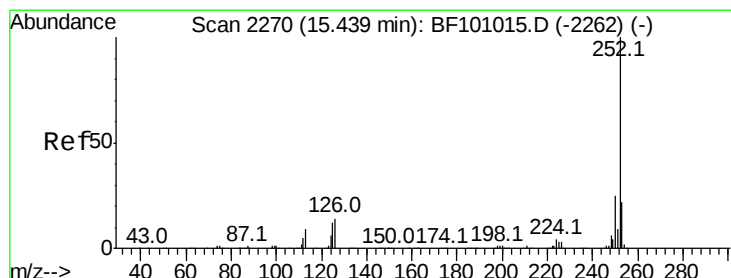
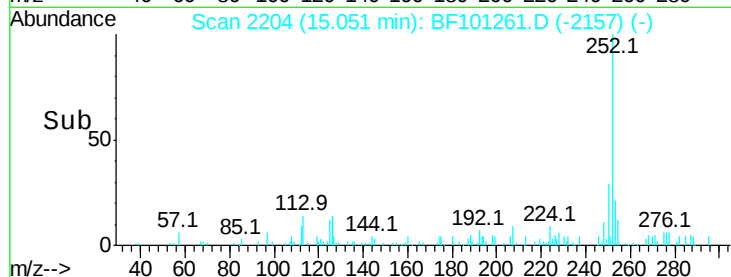
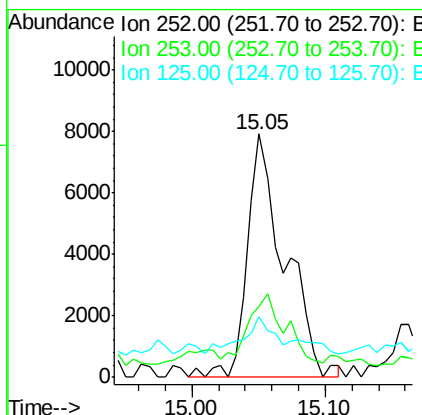
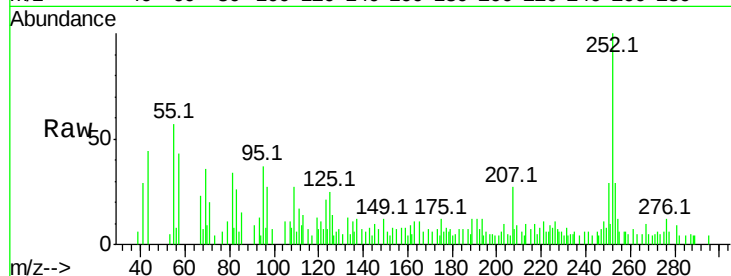




#88
Benzo(k)fluoranthene
Concen: 3.678 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 15283
Ion Ratio Lower Upper
252 100
253 29.3 17.9 26.9#
125 24.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.039 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF101261.D
Acq: 9 Dec 2017 4:20

Tgt Ion:252 Resp: 7816
Ion Ratio Lower Upper
252 100
253 28.5 17.1 25.7#
125 28.4 9.8 14.6#

