

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101258.D
 Acq On : 9 Dec 2017 1:23
 Operator : SJ/JU
 Sample : I6705-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B12(0-10)COMP

Quant Time: Dec 11 06:09:16 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

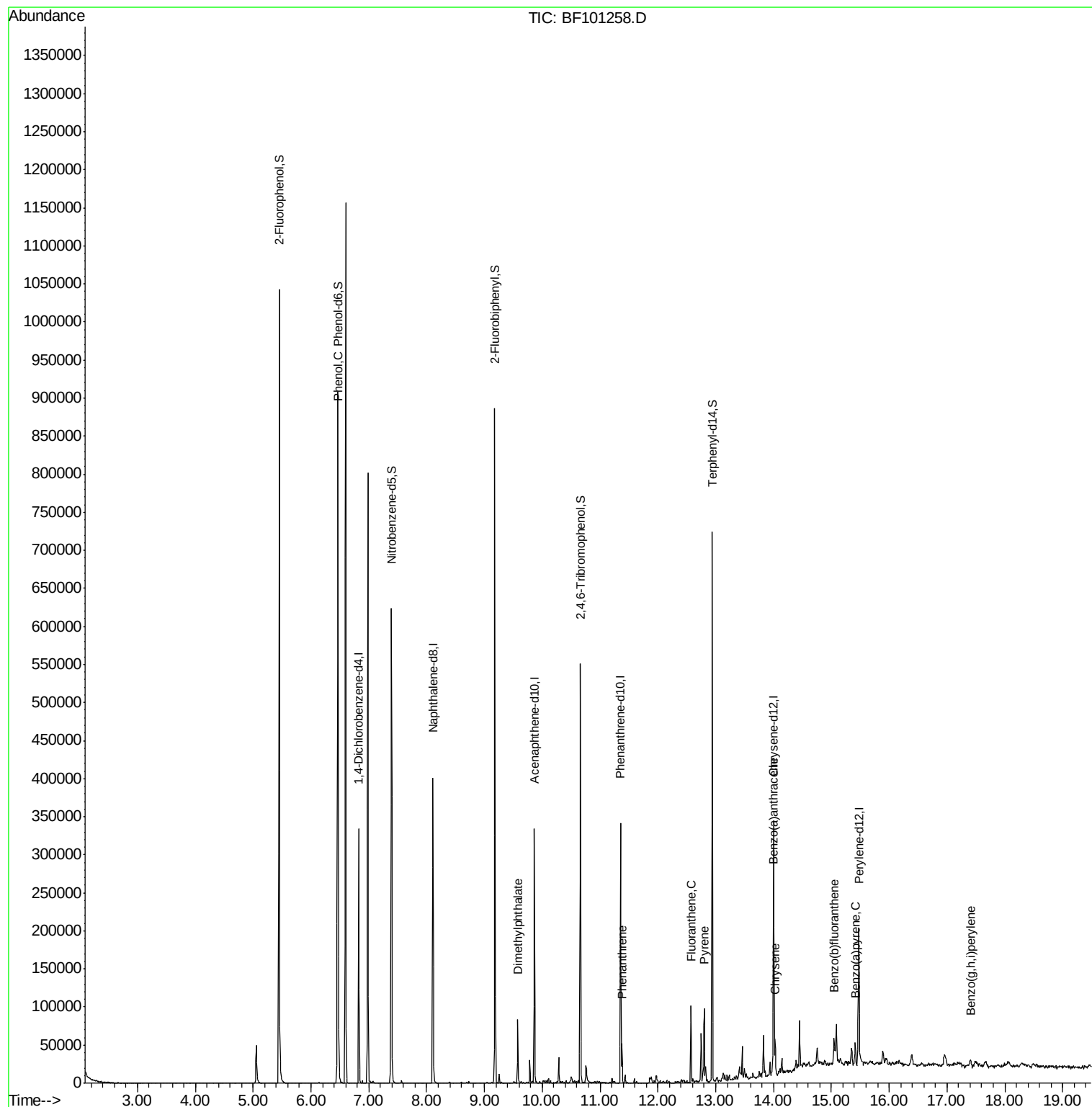
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	47451	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	174478	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	70497	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	116627	20.00	ng	0.00
75) Chrysene-d12	14.00	240	99456	20.00	ng	0.00
86) Perylene-d12	15.47	264	77302	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	282731	98.46	ng	0.01
7) Phenol-d6	6.46	99	333821	95.75	ng	0.00
23) Nitrobenzene-d5	7.39	82	186921	63.91	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	62570	73.88	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	286669	55.64	ng	0.00
78) Terphenyl-d14	12.94	244	235398	51.77	ng	0.00
Target Compounds						
10) Phenol	6.47	94	9528	2.458	ng	82
49) Dimethylphthalate	9.57	163	31611	5.560	ng	98
70) Phenanthrene	11.38	178	19352m	3.013	ng	
74) Fluoranthene	12.57	202	39813	5.592	ng	93
77) Pyrene	12.80	202	36705	5.348	ng	100
80) Benzo(a)anthracene	13.99	228	20970	3.339	ng	99
82) Chrysene	14.03	228	17586	3.015	ng	97
87) Benzo(b)fluoranthene	15.04	252	19218m	4.151	ng	
89) Benzo(a)pyrene	15.42	252	13031	3.096	ng	# 91
91) Benzo(g,h,i)perylene	17.41	276	7848	2.244	ng	# 90

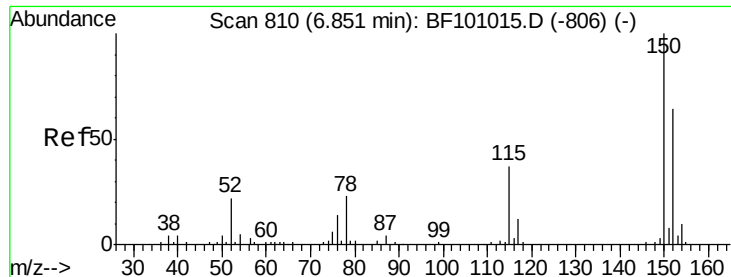
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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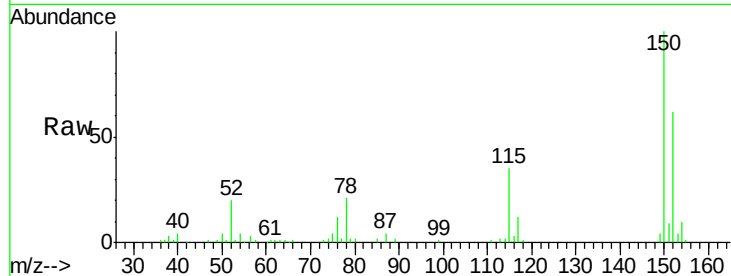


#1

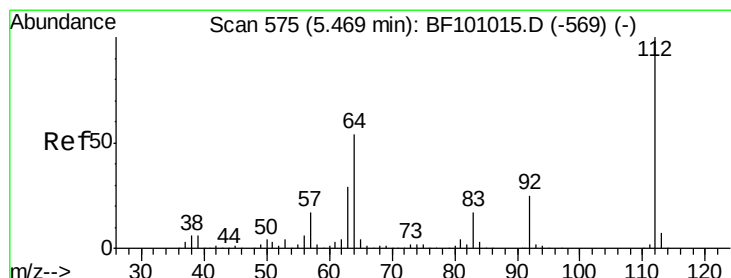
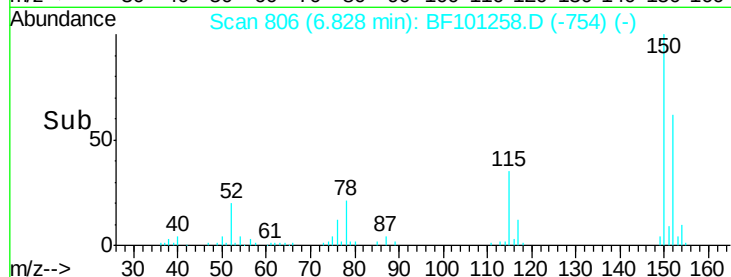
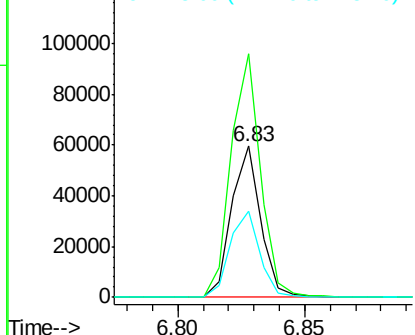
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Tot Ion:152 Resp: 47451
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 56.9 50.1 75.1



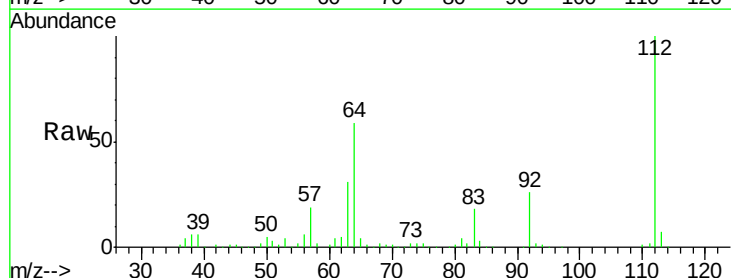
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



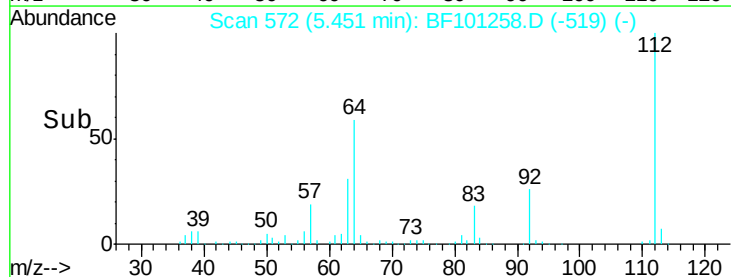
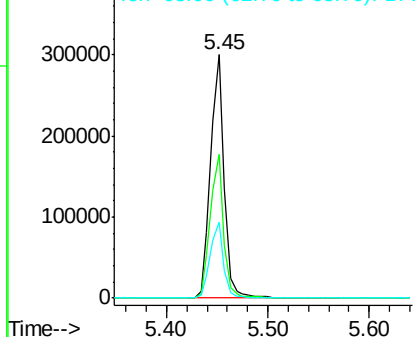
#5

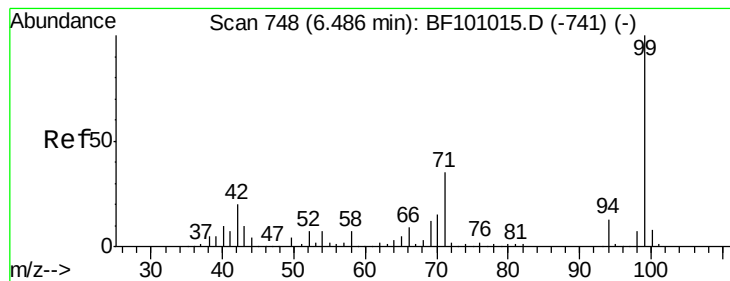
2-Fluorophenol
Concen: 98.459 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:112 Resp: 282731
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 31.1 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: 95.751 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

B12(0-10)COMP

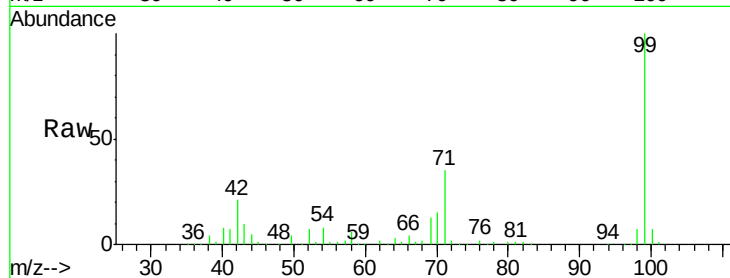
Tot Ion: 99 Resp: 333821

Ion Ratio Lower Upper

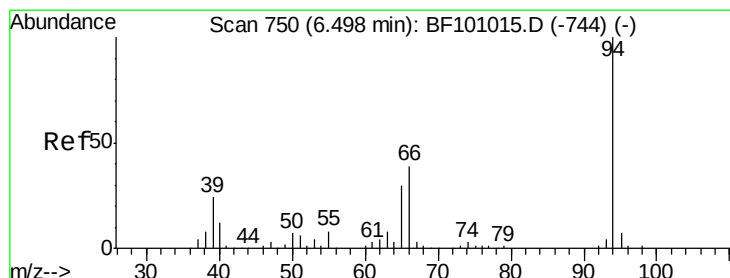
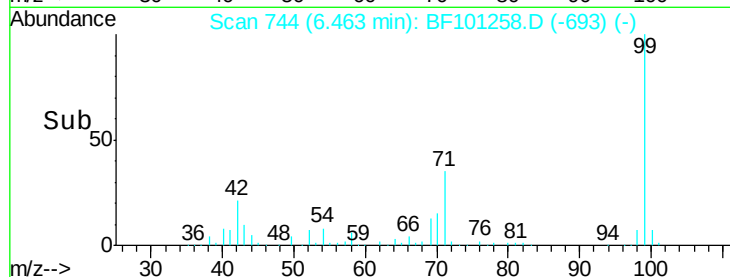
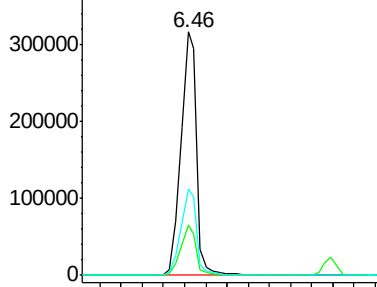
99 100

42 20.7 14.5 21.7

71 35.3 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: 2.458 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

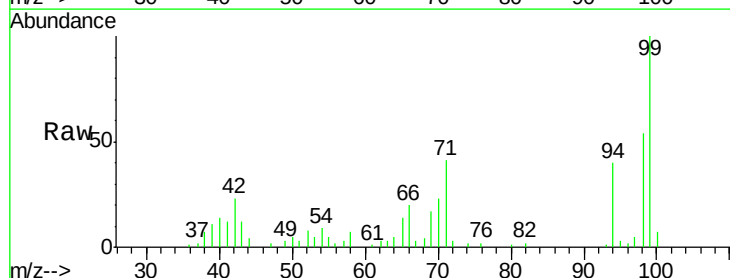
Tgt Ion: 94 Resp: 9528

Ion Ratio Lower Upper

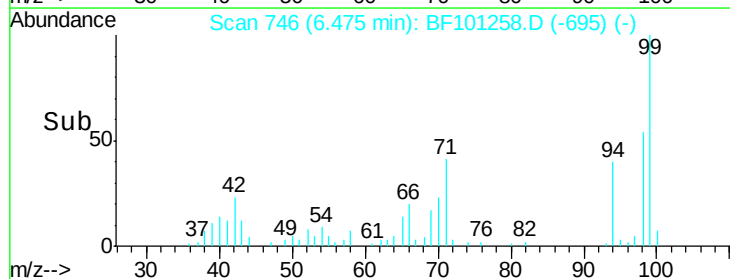
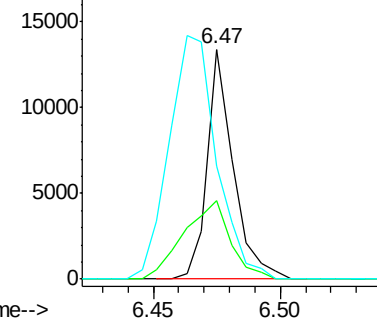
94 100

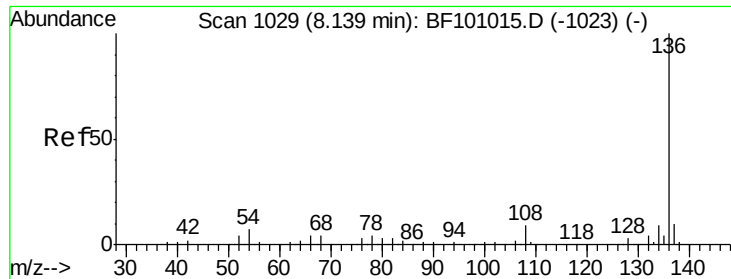
65 34.2 7.9 47.9

66 49.3 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

B12(0-10)COMP

Tot Ion:136 Resp: 174478

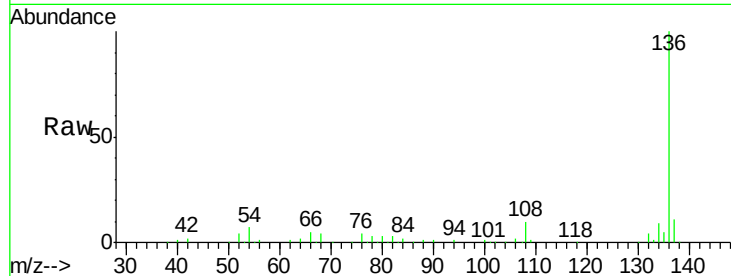
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.1 6.6 9.8

68 4.4 5.0 7.4#

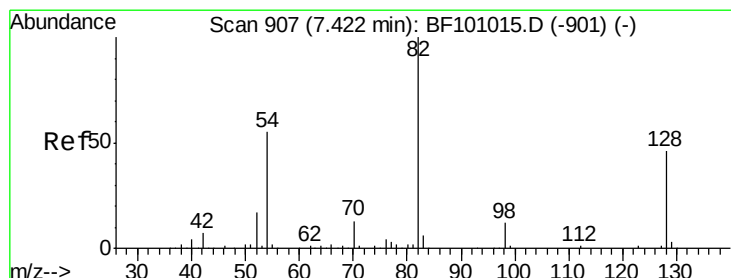
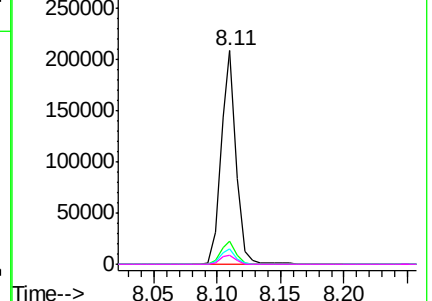
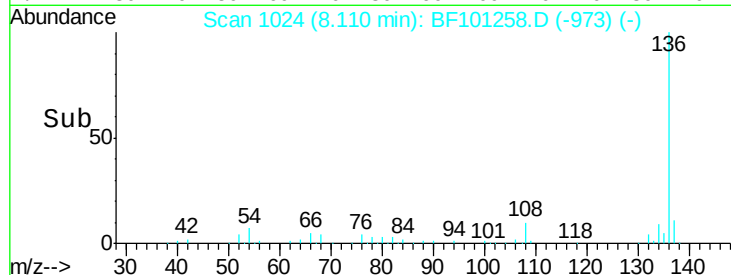


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 63.907 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

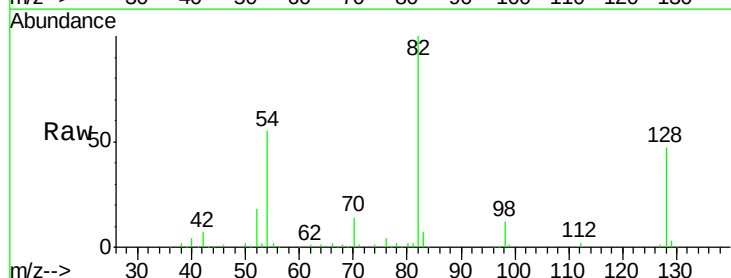
Tgt Ion: 82 Resp: 186921

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

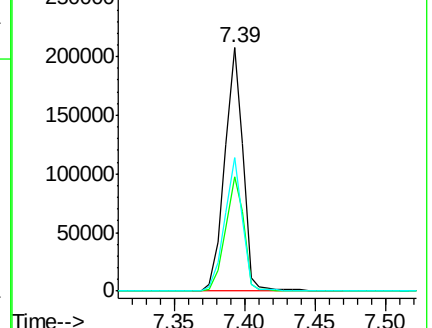
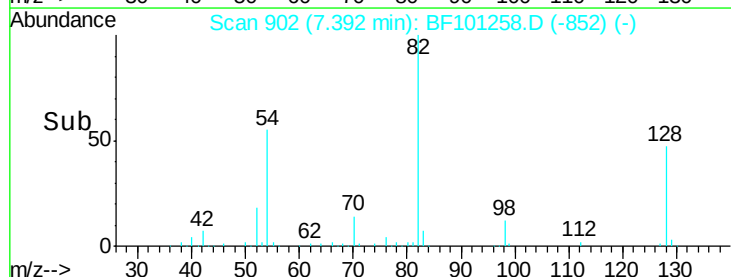
54 55.1 41.4 62.2

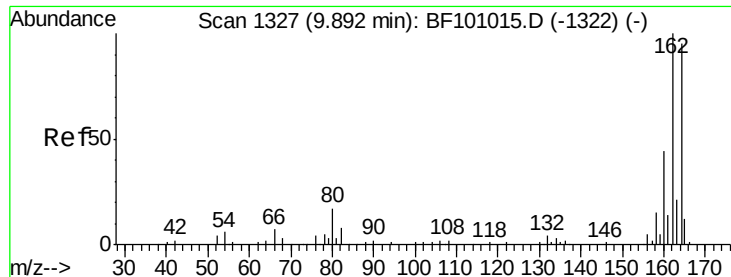


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

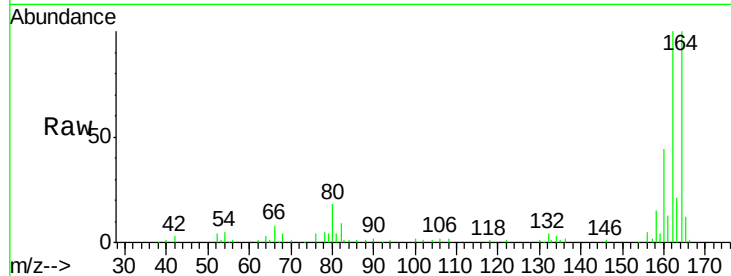




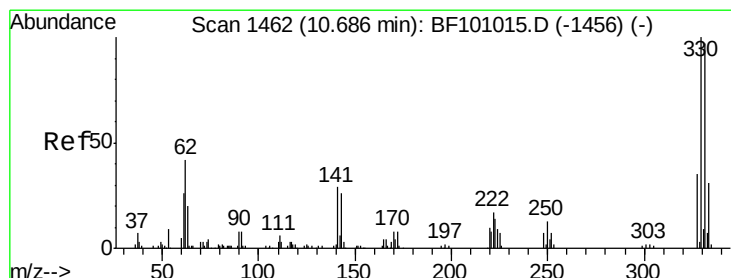
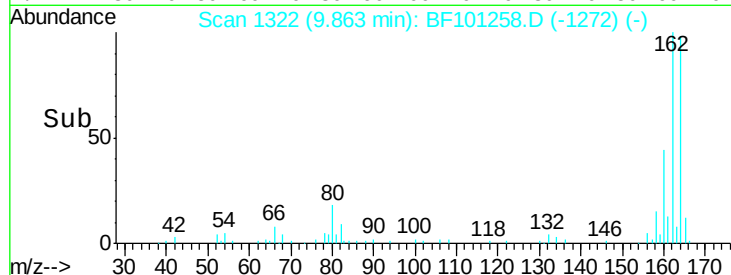
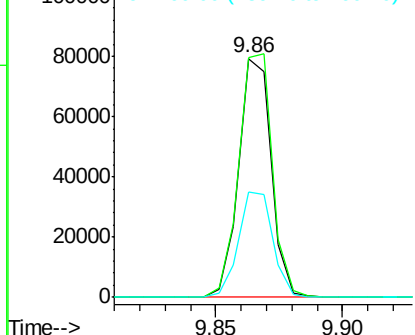
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Tot Ion:164 Resp: 70497
Ion Ratio Lower Upper
164 100
162 100.3 86.1 129.1
160 44.3 38.3 57.5

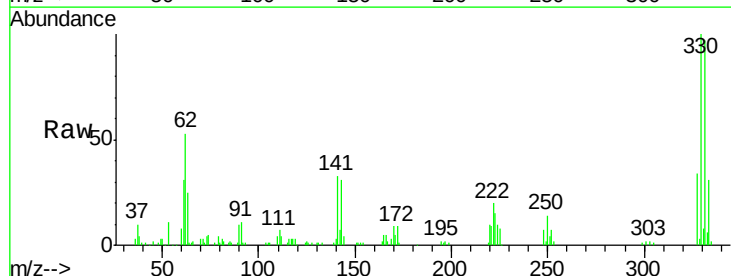


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

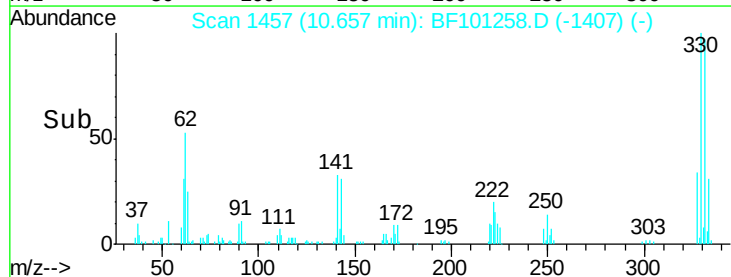
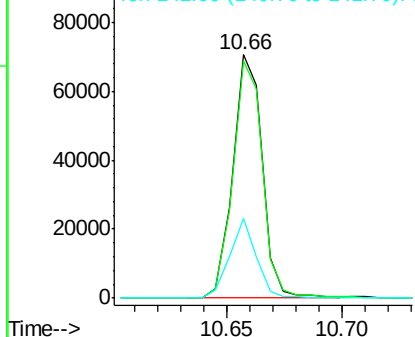


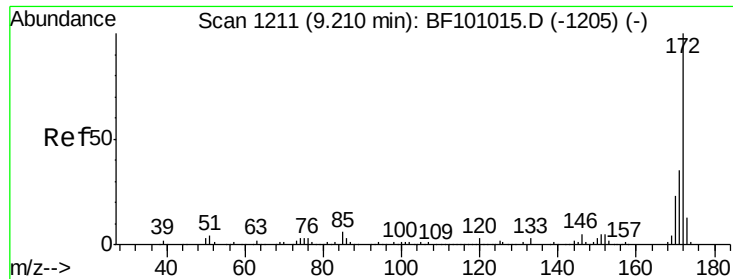
#41
2,4,6-Tribromophenol
Concen: 73.884 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:330 Resp: 62570
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.6
141 29.5 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

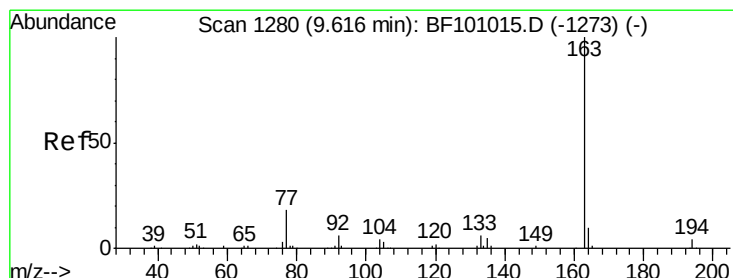
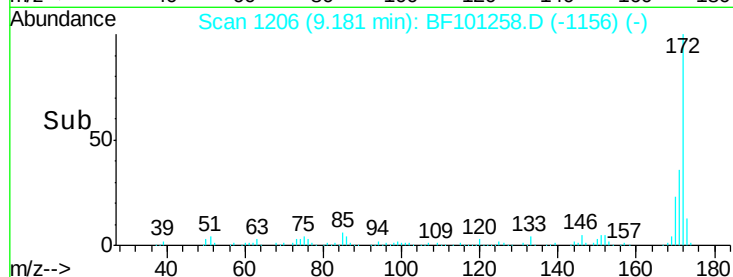
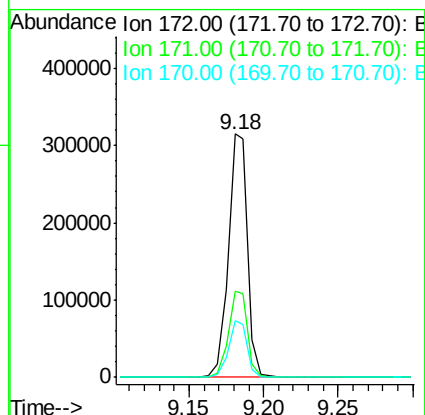
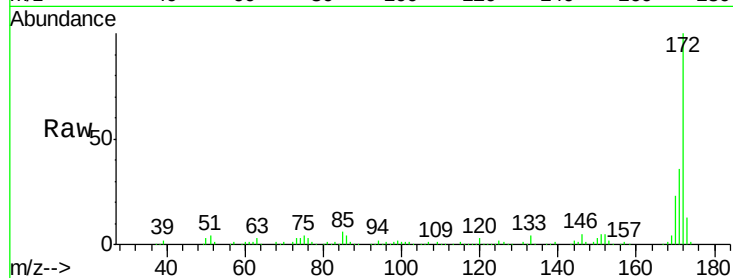




#44
2-Fluorobiphenyl
Concen: 55.636 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

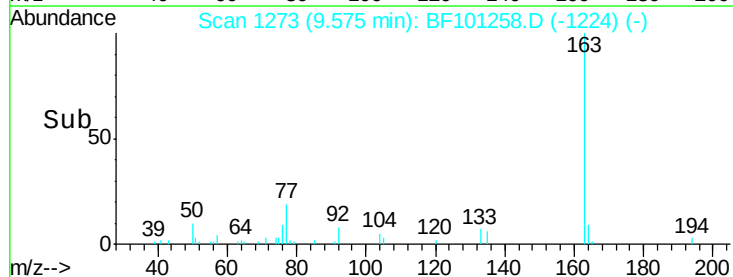
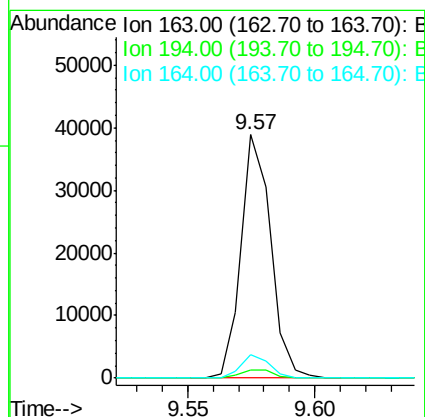
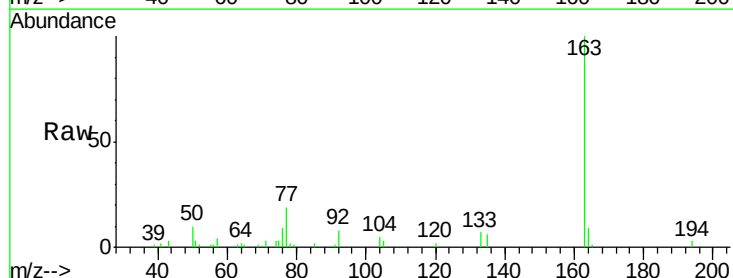
Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

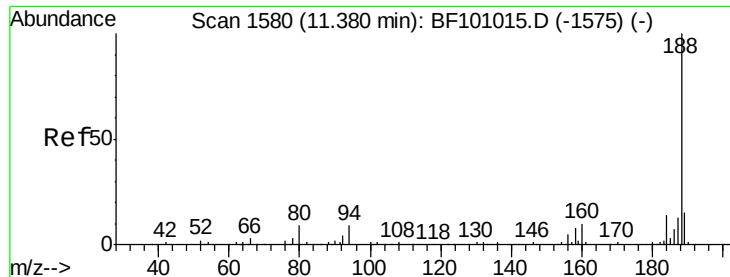
Tot Ion:172 Resp: 286669
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 23.4 19.6 29.4



#49
Dimethylphthalate
Concen: 5.560 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:163 Resp: 31611
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.5 8.2 12.2

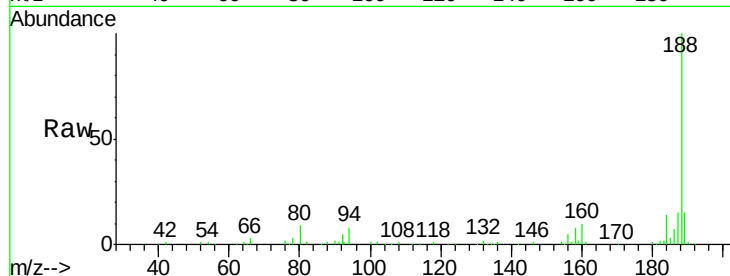




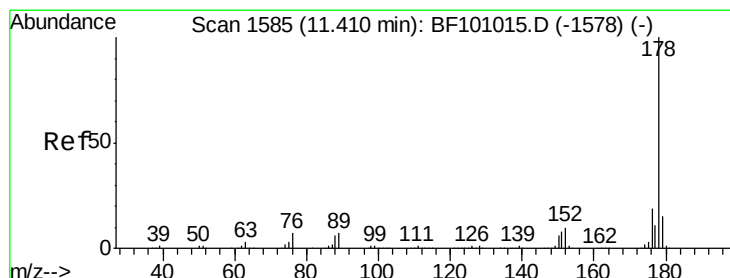
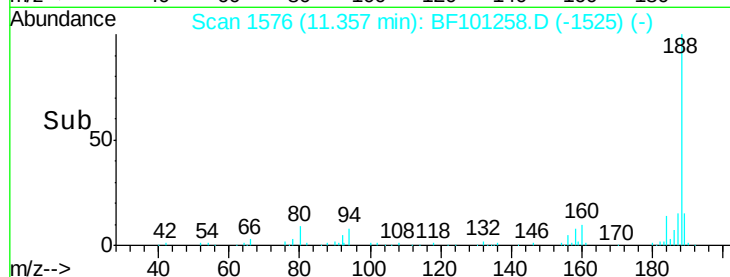
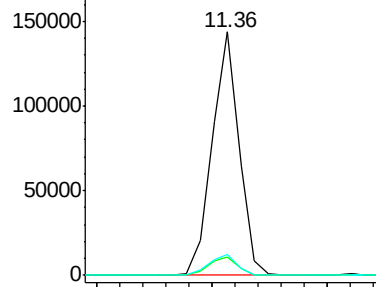
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Instrument :
 BNA_F
 ClientSampleId :
 B12(0-10)COMP

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.6	9.2	13.8#

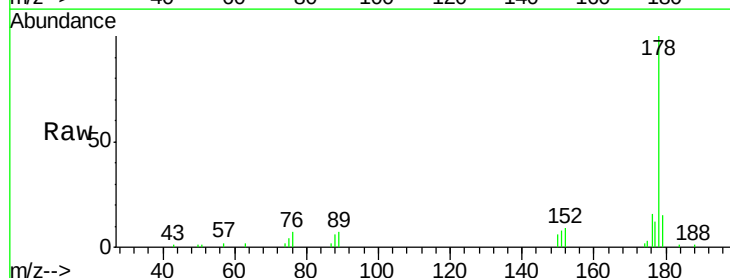


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

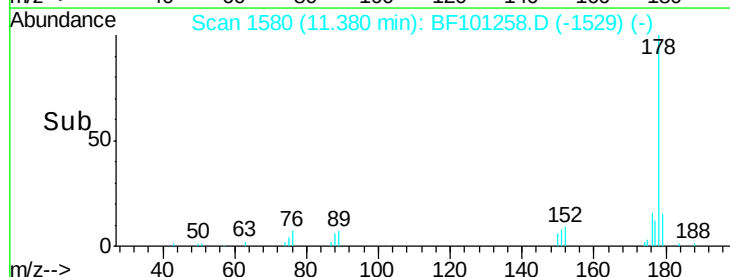
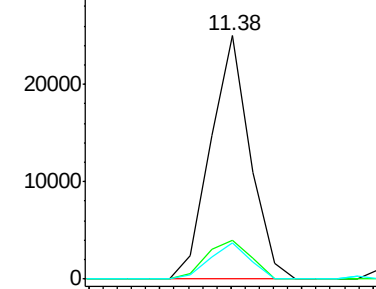


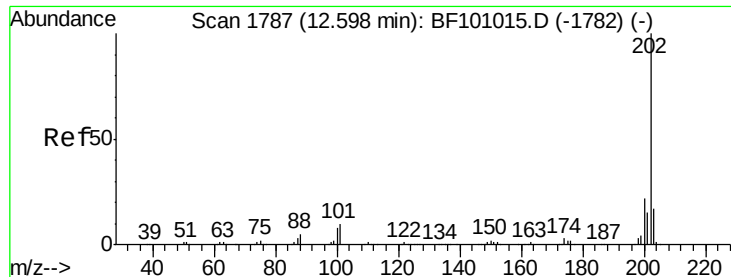
#70
 Phenanthrene
 Concen: 3.013 ng m
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.8	15.8	23.8#
179	14.7	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: 5.592 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

B12(0-10)COMP

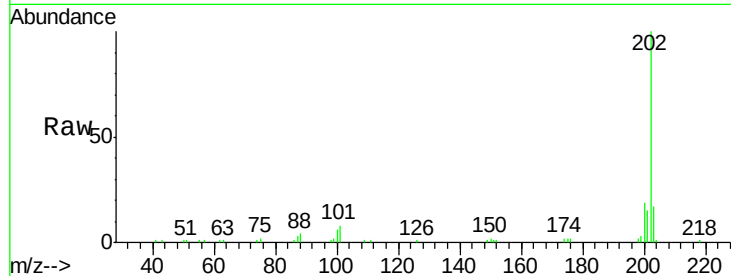
Tot Ion:202 Resp: 39813

Ion Ratio Lower Upper

202 100

101 8.2 0.0 34.1

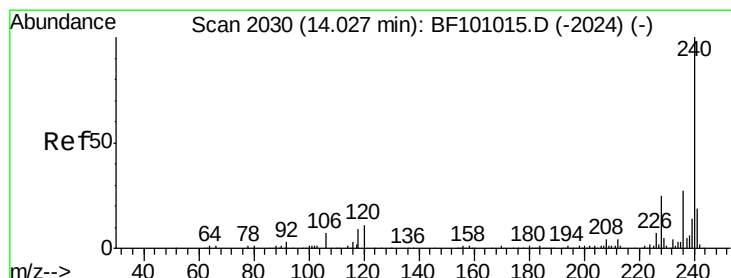
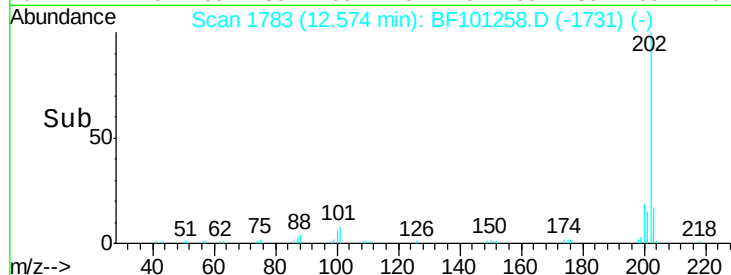
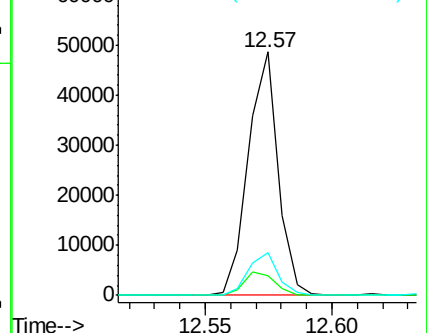
203 17.4 0.0 38.1



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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

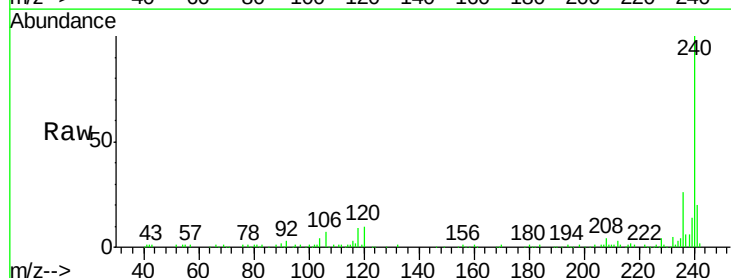
Tgt Ion:240 Resp: 99456

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

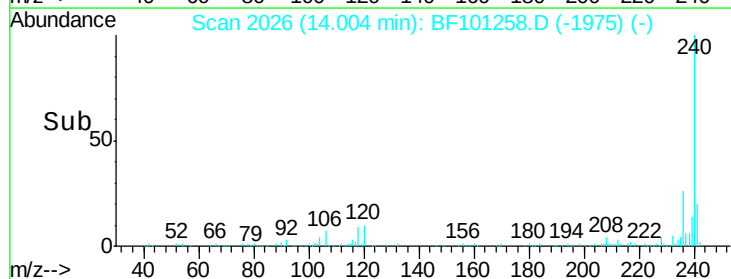
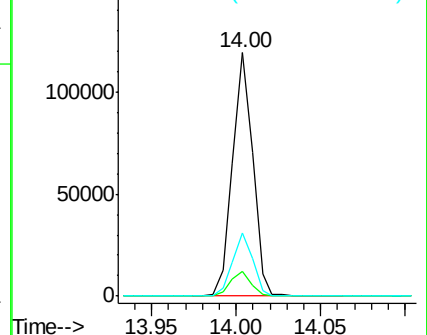
236 25.7 20.7 31.1

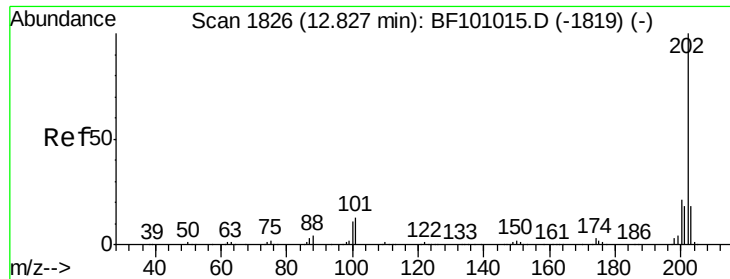


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

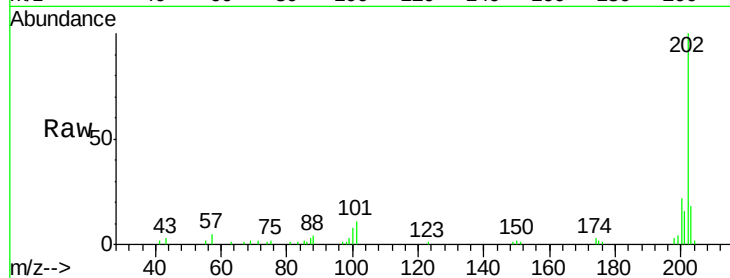




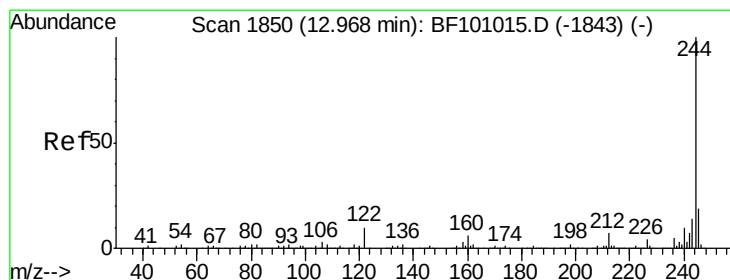
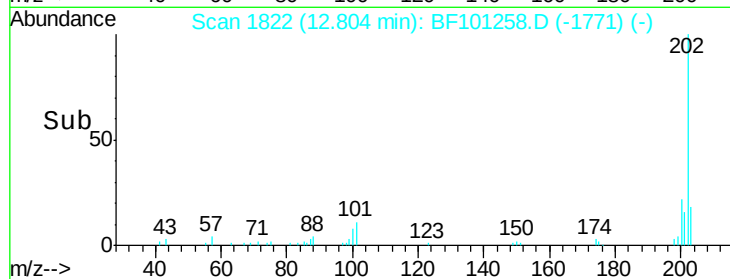
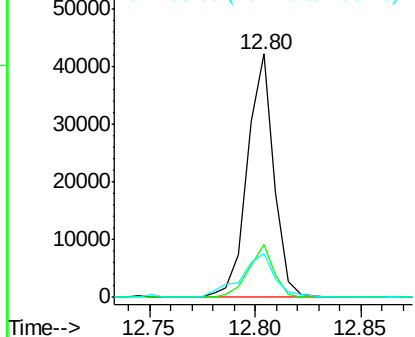
#77
 Pvrene
 Concen: 5.348 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Instrument :
 BNA_F
 ClientSampleId :
 B12(0-10)COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5

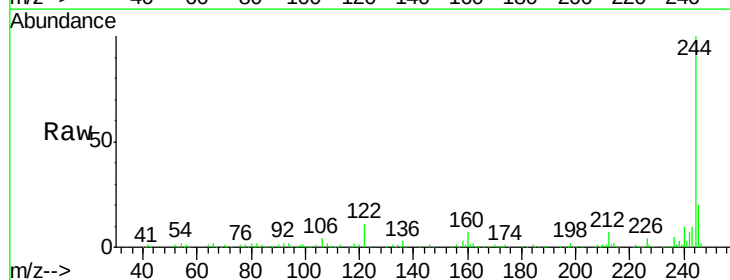


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

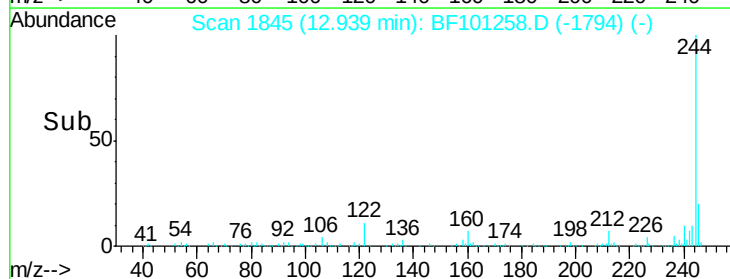
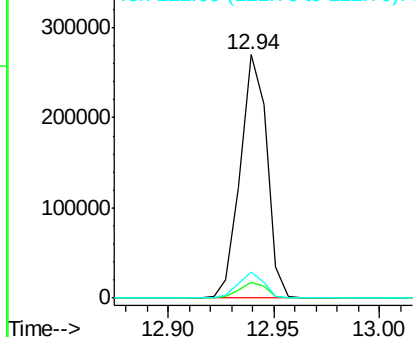


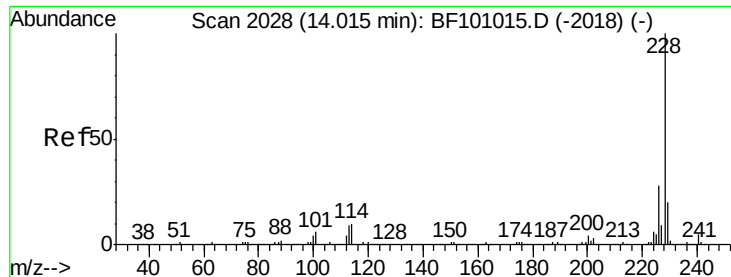
#78
 Terphenyl-d14
 Concen: 51.769 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101258.D
 Acq: 9 Dec 2017 1:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.7	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

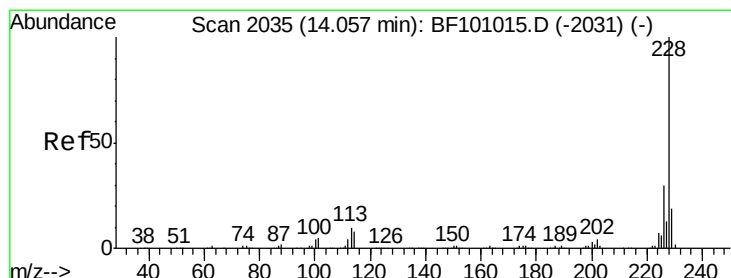
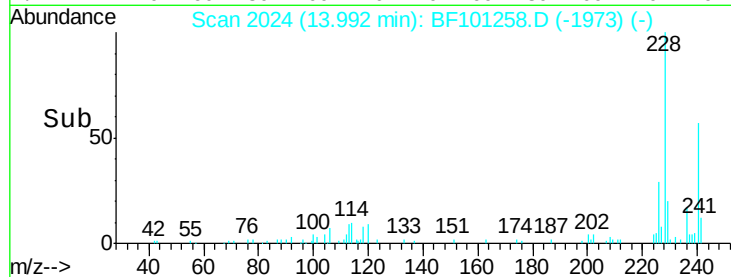
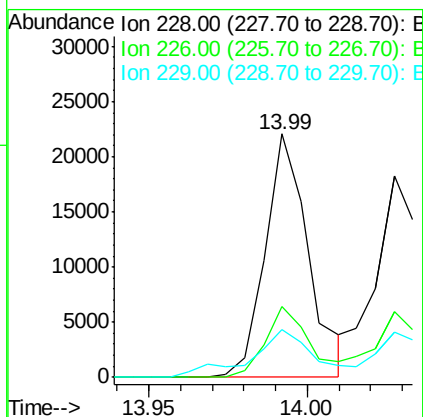
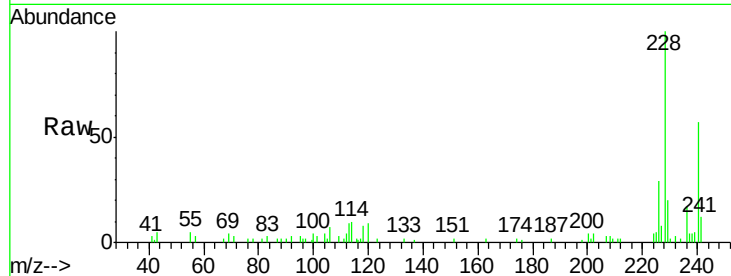




#80
Benzo(a)anthracene
Concen: 3.339 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

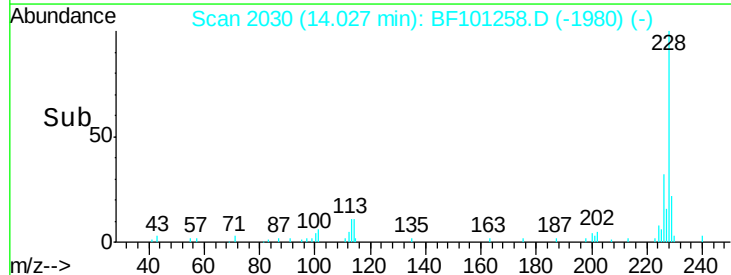
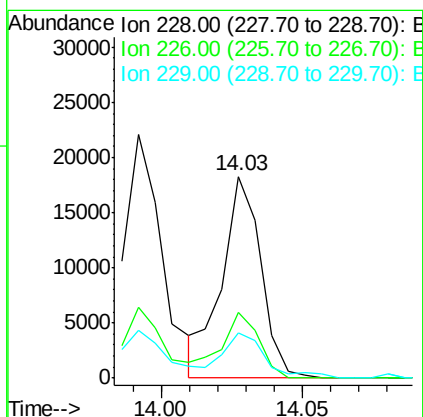
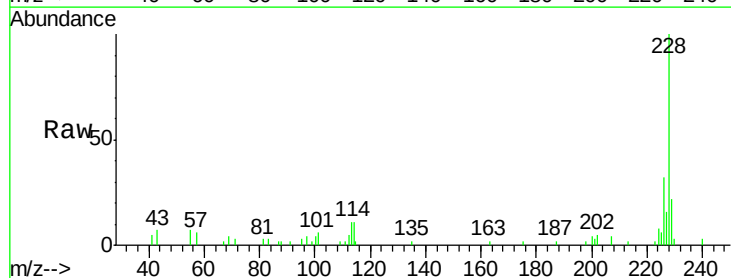
Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

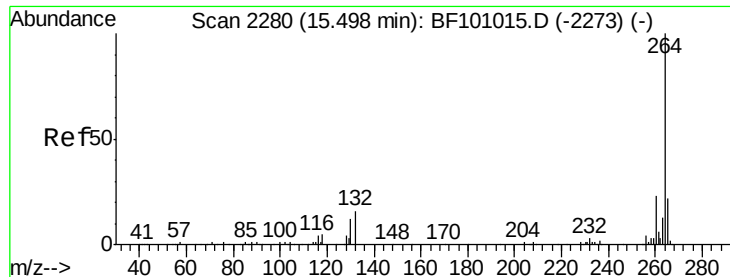
Tot Ion:228 Resp: 20970
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 19.5 15.8 23.6



#82
Chrysene
Concen: 3.015 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:228 Resp: 17586
Ion Ratio Lower Upper
228 100
226 32.5 25.0 37.6
229 22.2 16.2 24.4



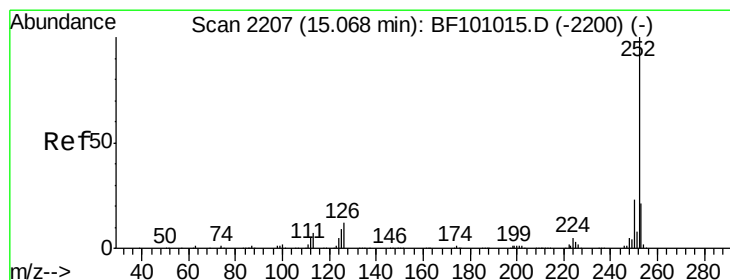
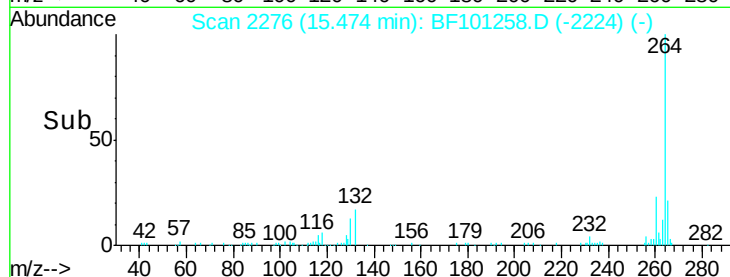
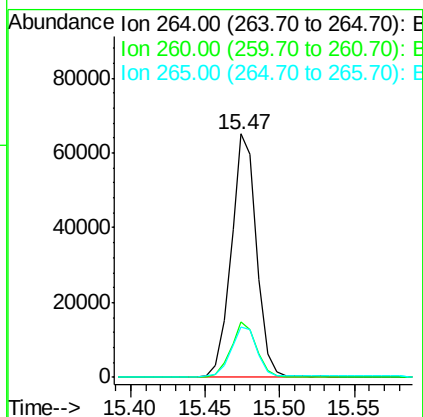
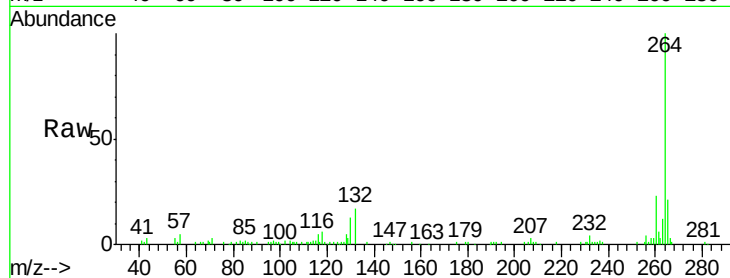


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Instrument :
BNA_F
ClientSampleId :
B12(0-10)COMP

Tot Ion:264 Resp: 77302

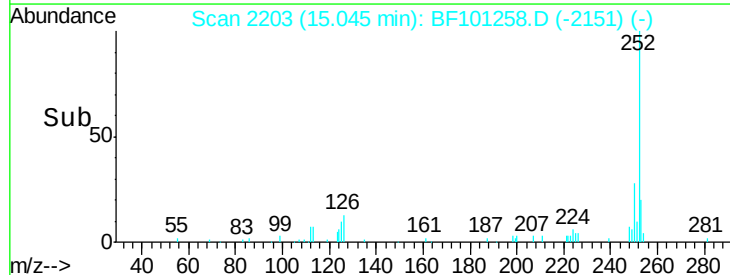
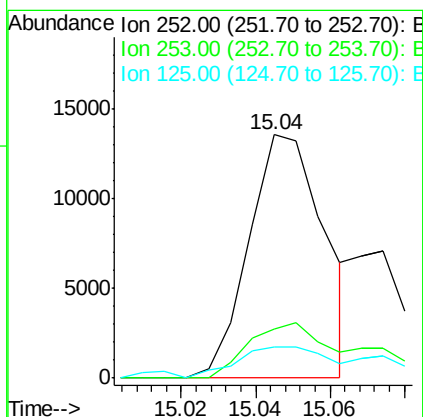
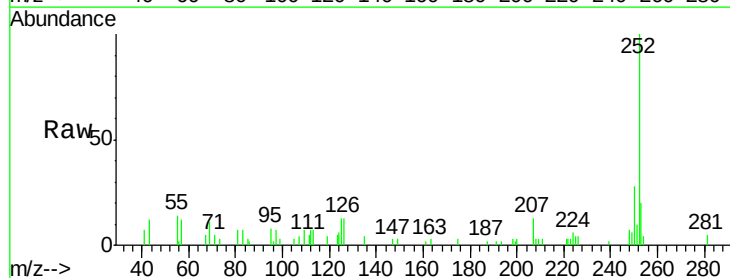
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	20.7	17.5	26.3

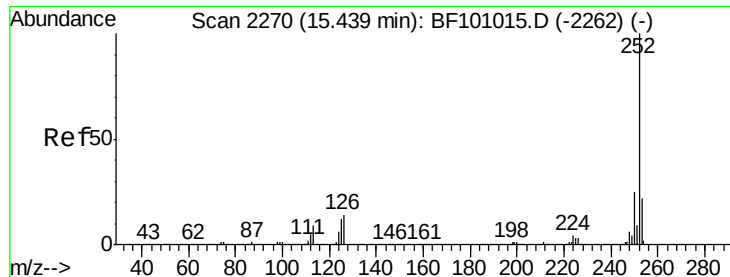


#87
Benzo(b)fluoranthene
Concen: 4.151 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101258.D
Acq: 9 Dec 2017 1:23

Tgt Ion:252 Resp: 19218

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	12.9	9.0	13.6





#89

Benzo(a)pyrene

Concen: 3.096 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

Instrument :

BNA_F

ClientSampleId :

B12(0-10)COMP

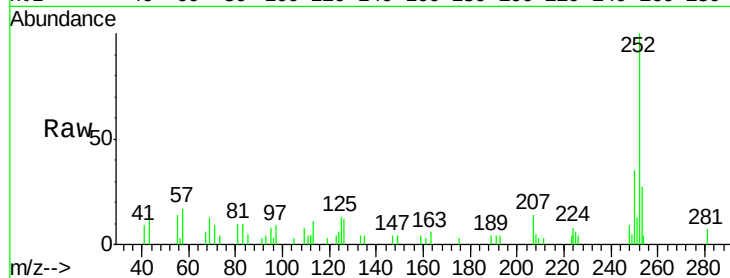
Tot Ion:252 Resp: 13031

Ion Ratio Lower Upper

252 100

253 27.5 17.1 25.7#

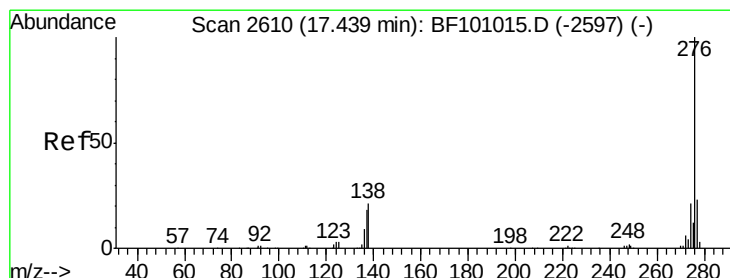
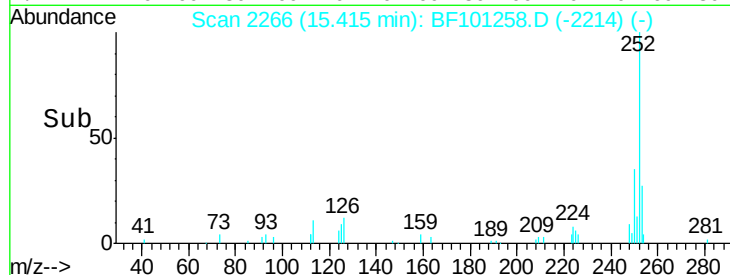
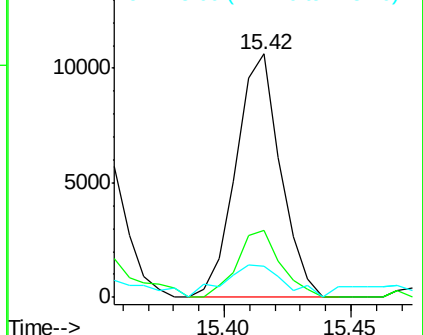
125 12.7 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.244 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.02 min

Lab File: BF101258.D

Acq: 9 Dec 2017 1:23

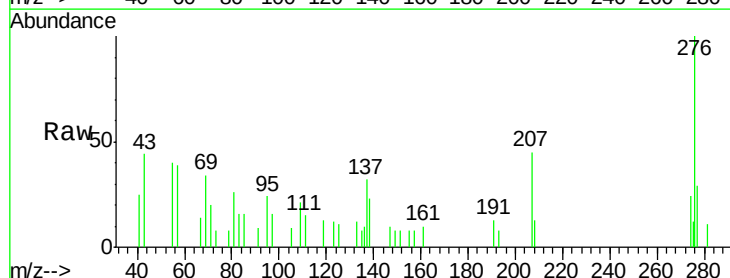
Tgt Ion:276 Resp: 7848

Ion Ratio Lower Upper

276 100

277 29.1 17.9 26.9#

138 23.4 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

