

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101262.D
 Acq On : 9 Dec 2017 4:47
 Operator : SJ/JU
 Sample : I6791-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 23:39:54 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	40546	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	147764	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	60602	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	100751	20.00	ng	0.00
75) Chrysene-d12	14.01	240	78547	20.00	ng	0.00
86) Perylene-d12	15.48	264	63411	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	189556	77.25	ng	0.00
7) Phenol-d6	6.47	99	383092	128.60	ng	0.00
23) Nitrobenzene-d5	7.39	82	230391	93.01	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	34136	46.89	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	436486	98.54	ng	0.00
78) Terphenyl-d14	12.95	244	336587	93.73	ng	0.00

Target Compounds

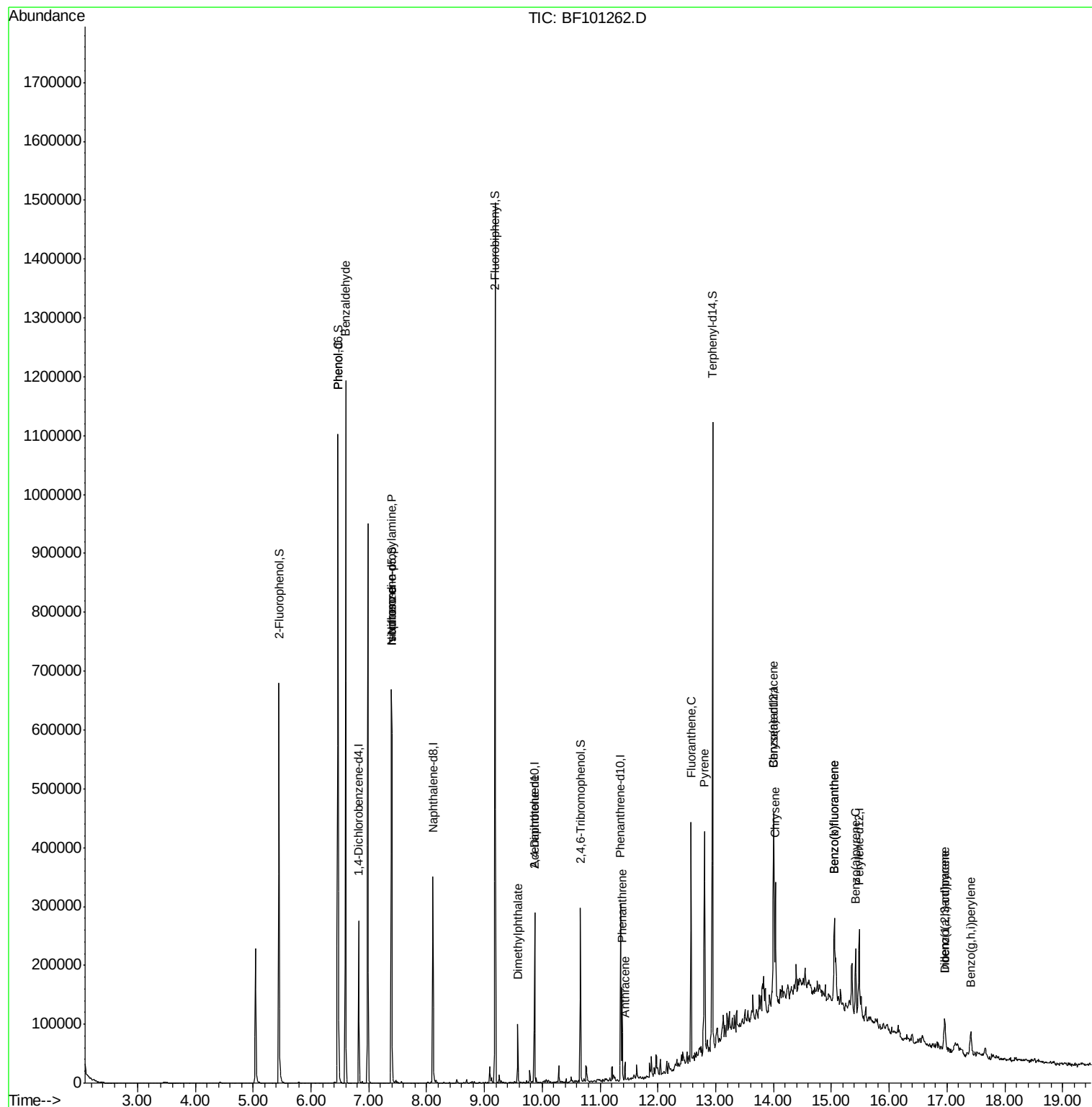
						Qvalue
9) Benzaldehyde	6.60	77	6092	3.341	ng	93
10) Phenol	6.47	94	16496	4.980	ng	# 72
19) n-Nitroso-di-n-propylamine	7.39	70	30507	15.206	ng	# 83
25) Isophorone	7.39	82	230388	54.451	ng	# 64
49) Dimethylphthalate	9.57	163	36926	7.555	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	7748	5.616	ng	# 21
70) Phenanthrene	11.38	178	55083	9.928	ng	95
71) Anthracene	11.43	178	13929	2.481	ng	94
74) Fluoranthene	12.57	202	146544	23.827	ng	94
77) Pyrene	12.80	202	147413	27.198	ng	99
80) Benzo(a)anthracene	14.00	228	82597	16.655	ng	98
82) Chrysene	14.03	228	70247	15.252	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	32751	7.998	ng	# 89
87) Benzo(b)fluoranthene	15.05	252	103434	27.233	ng	100
88) Benzo(k)fluoranthene	15.05	252	103434	27.641	ng	98
89) Benzo(a)pyrene	15.42	252	55061	15.946	ng	99
90) Dibenzo(a,h)anthracene	16.96	278	8981	2.950	ng	# 83
91) Benzo(g,h,i)perylene	17.42	276	33674	11.738	ng	98

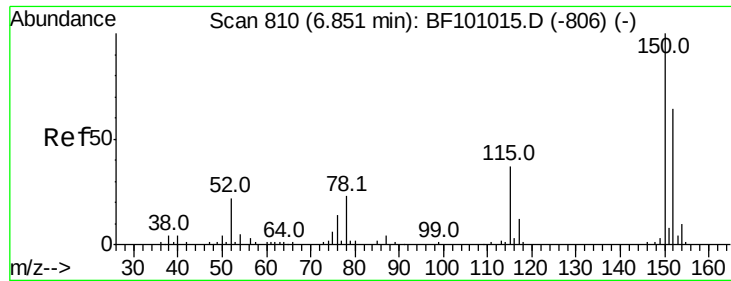
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101262.D
Acq On : 9 Dec 2017 4:47
Operator : SJ/JU
Sample : I6791-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 10 23:39:54 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



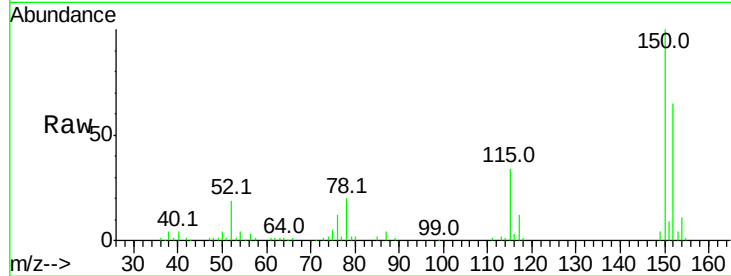


#1

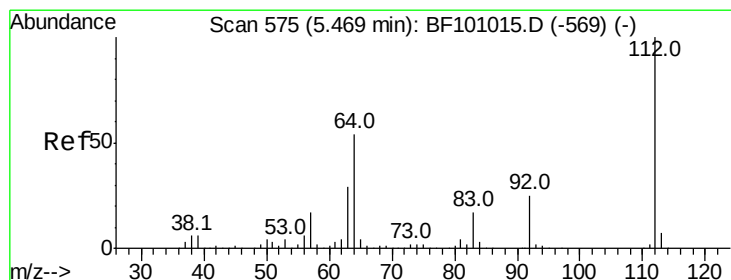
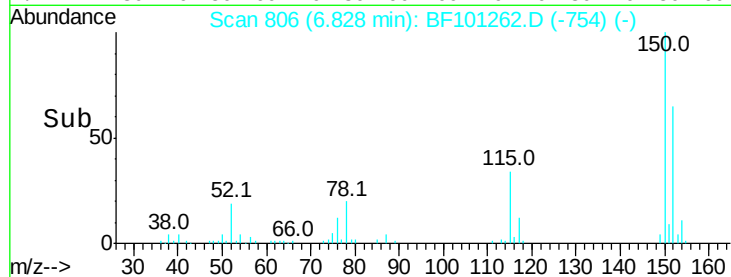
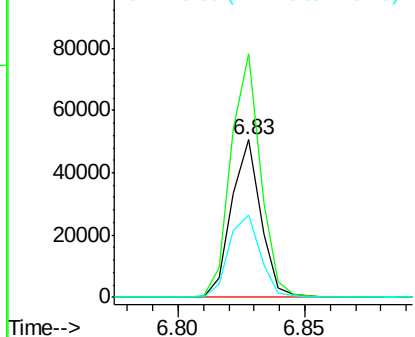
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40546
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 52.6 50.1 75.1



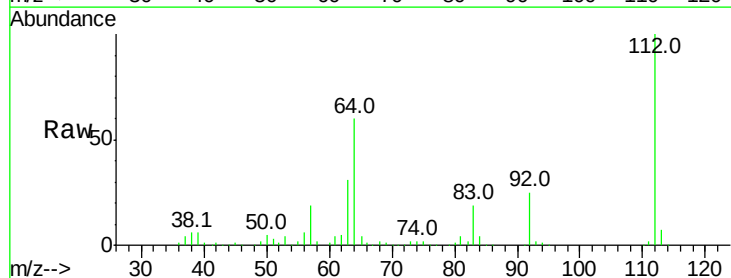
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



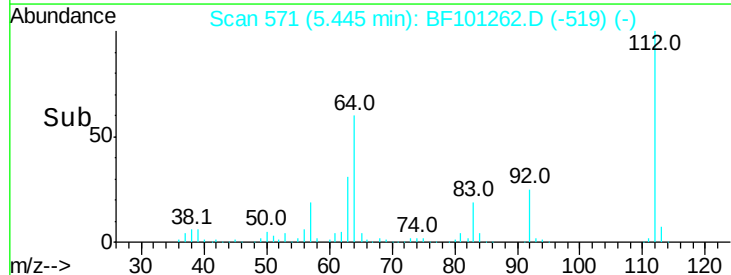
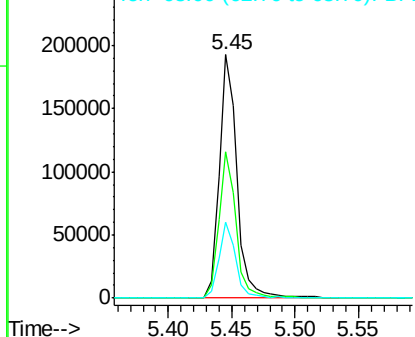
#5

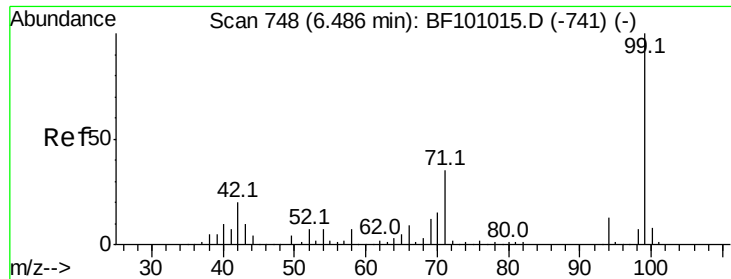
2-Fluorophenol
Concen: 77.253 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:112 Resp: 189556
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 31.4 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: 128.596 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampled :

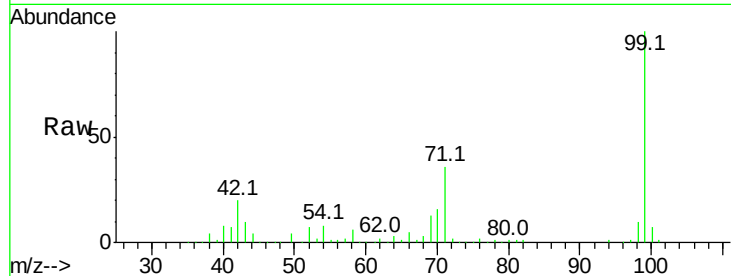
Tot Ion: 99 Resp: 383092

Ion Ratio Lower Upper

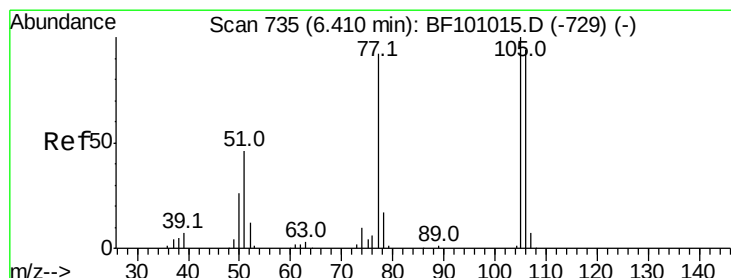
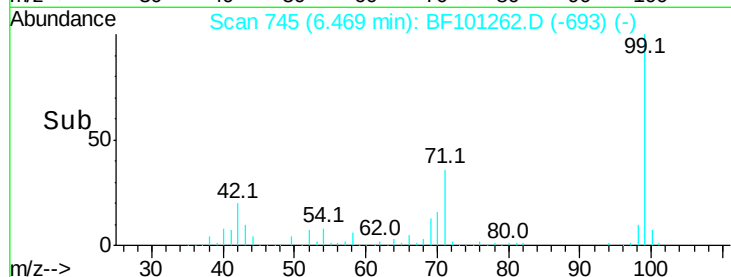
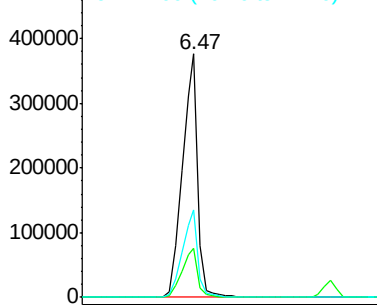
99 100

42 20.3 14.5 21.7

71 35.7 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



#9

Benzaldehyde

Concen: 3.341 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

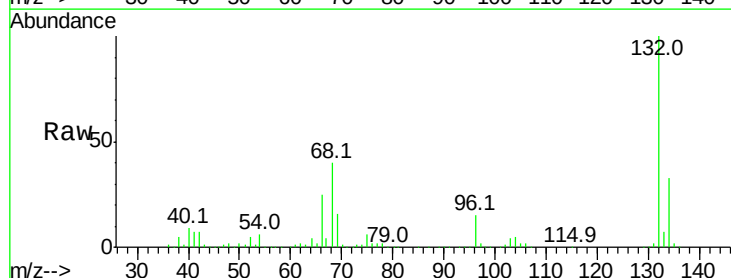
Tgt Ion: 77 Resp: 6092

Ion Ratio Lower Upper

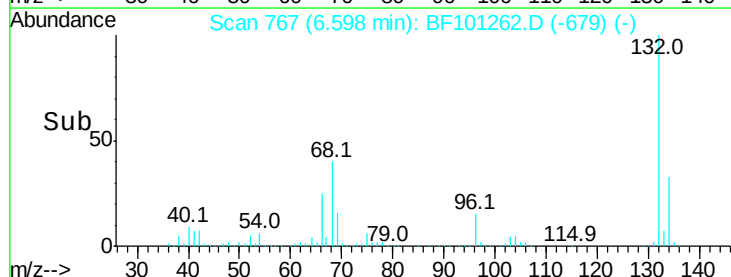
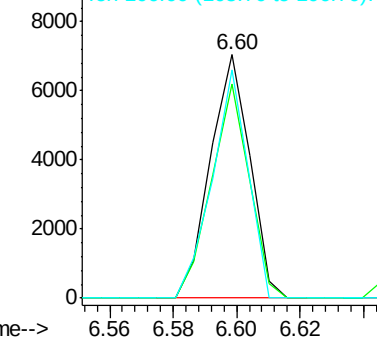
77 100

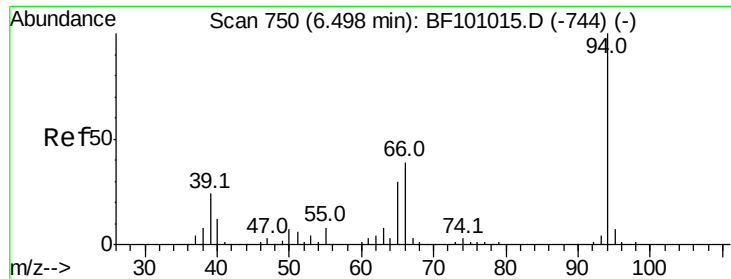
105 88.2 81.1 121.1

106 93.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

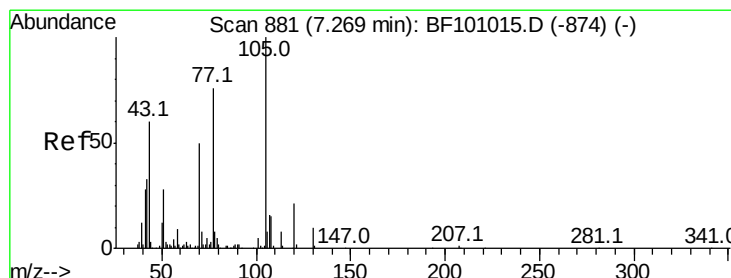
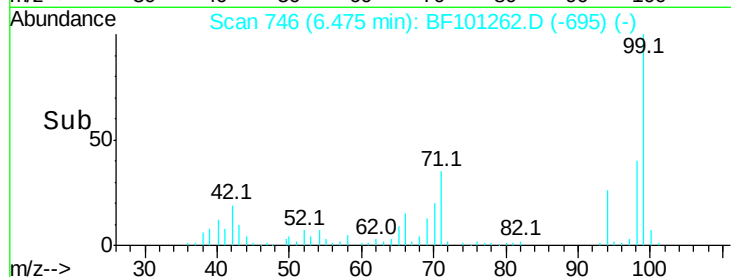
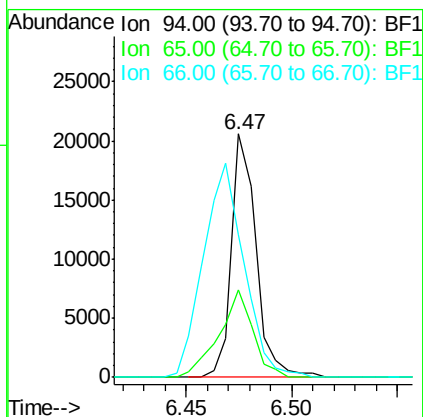
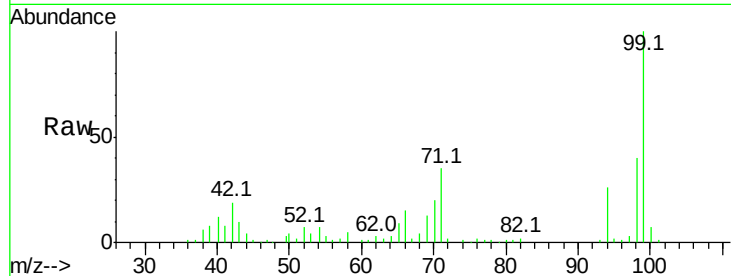




#10
Phenol
Concen: 4.980 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

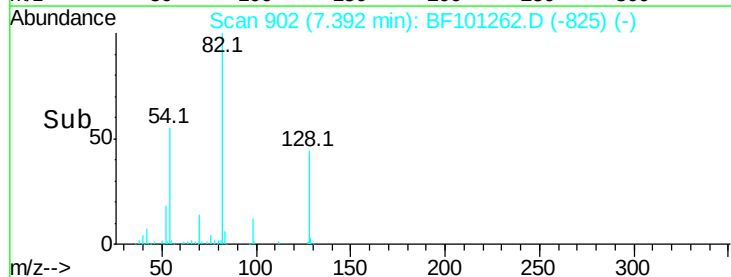
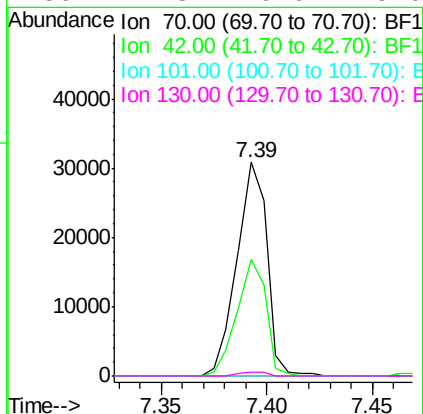
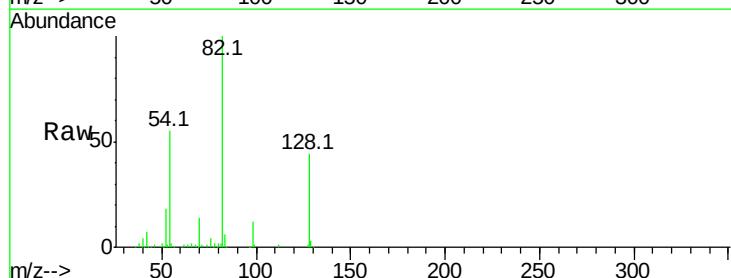
Instrument :
BNA_F
ClientSampleId :

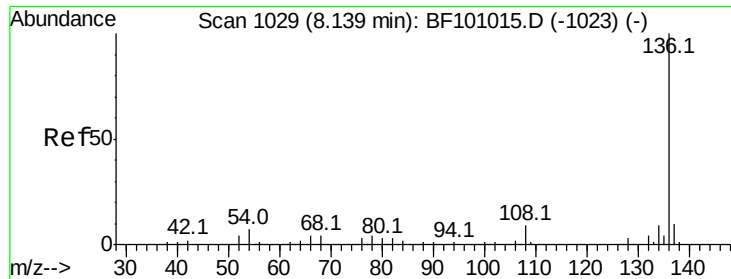
Tot Ion: 94 Resp: 16496
Ion Ratio Lower Upper
94 100
65 36.1 7.9 47.9
66 58.7 16.2 56.2#



#19
n-Nitroso-di-n-propylamine
Concen: 15.206 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion: 70 Resp: 30507
Ion Ratio Lower Upper
70 100
42 54.4 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#

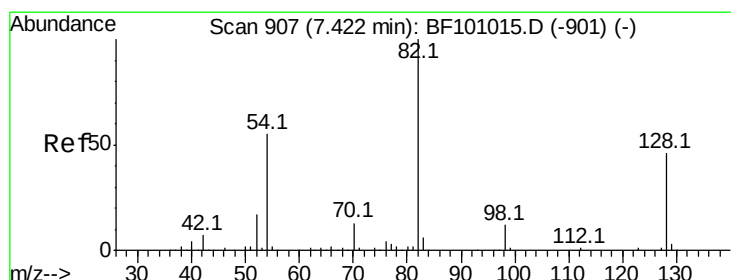
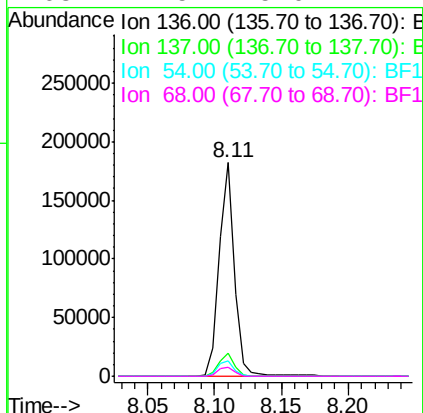
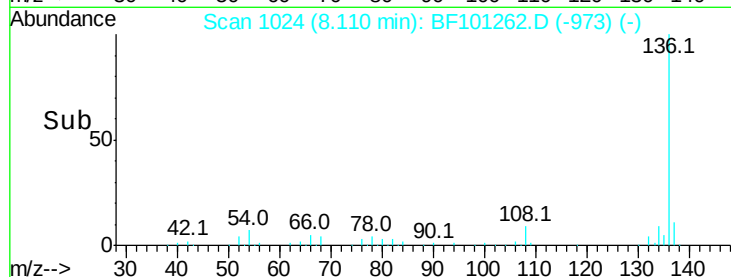
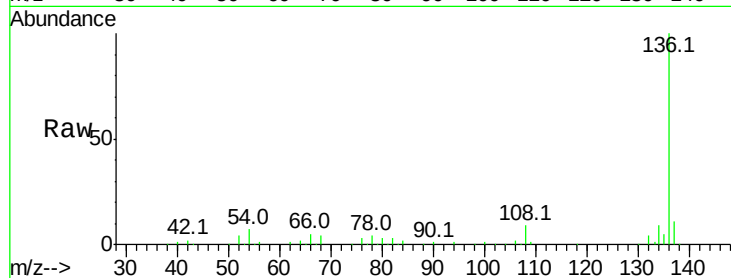




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

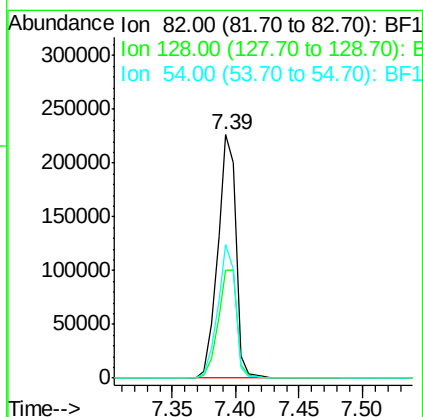
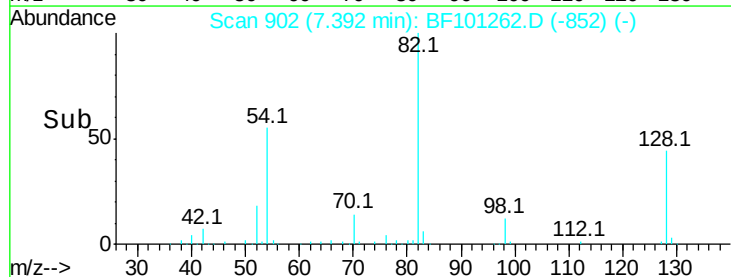
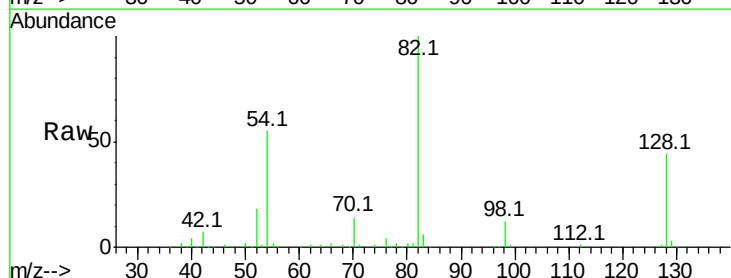
Instrument :
BNA_F
ClientSampled :

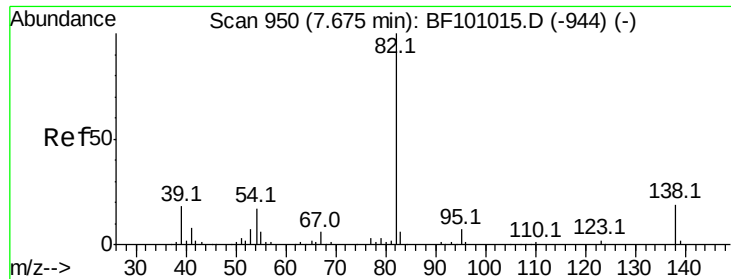
Tot Ion:	136	Resp:	147764
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.1	6.6	9.8
68	4.5	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 93.010 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:	82	Resp:	230391
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.1	54.1
54	54.7	41.4	62.2





#25

Isophorone

Concen: 54.451 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleID :

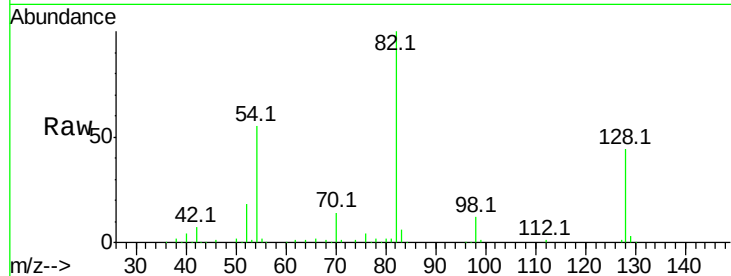
Tot Ion: 82 Resp: 230388

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

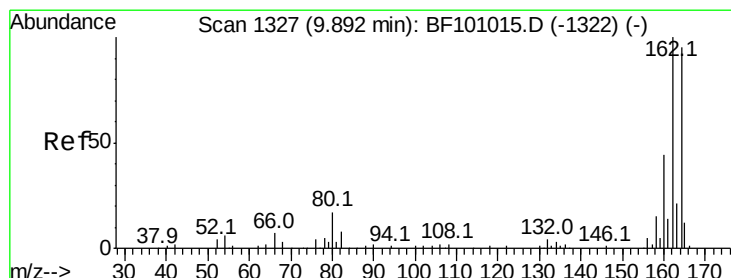
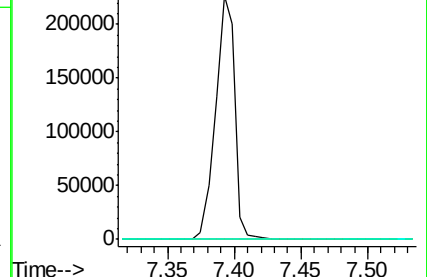
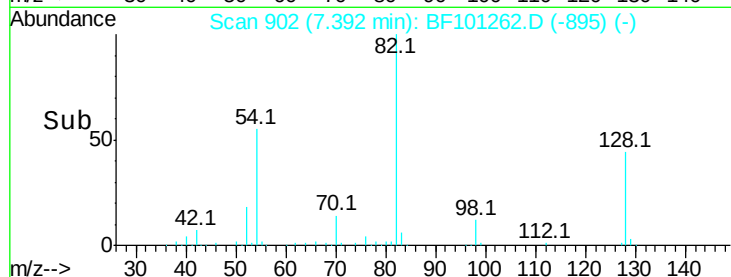
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

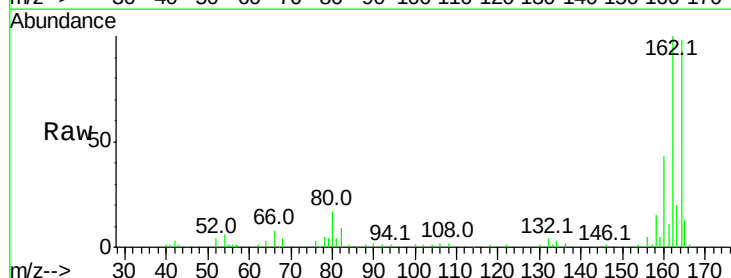
Tgt Ion:164 Resp: 60602

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

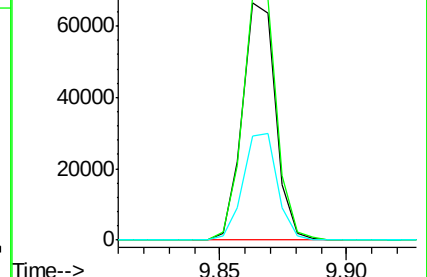
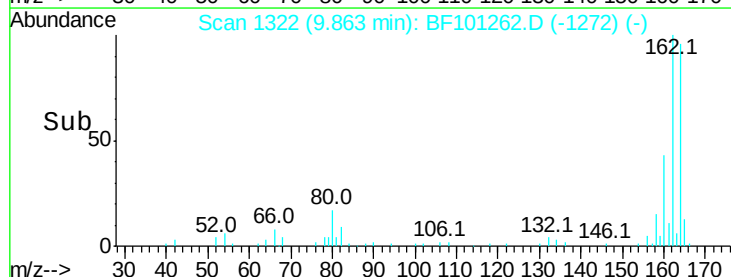
160 43.9 38.3 57.5

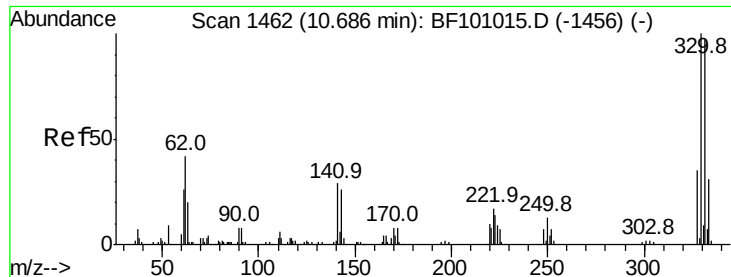


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 46.890 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampled :

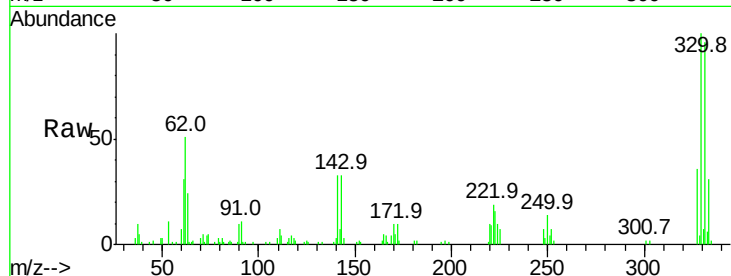
Tot Ion:330 Resp: 34136

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

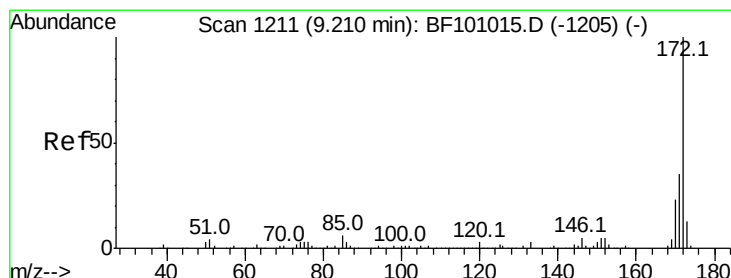
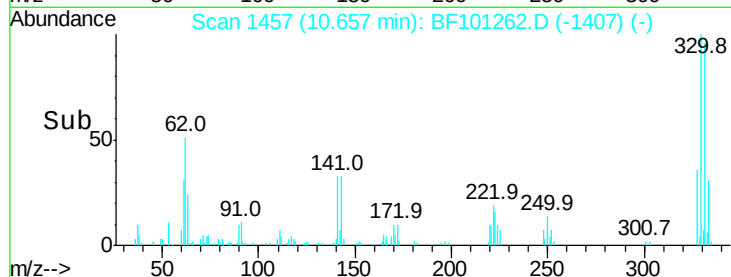
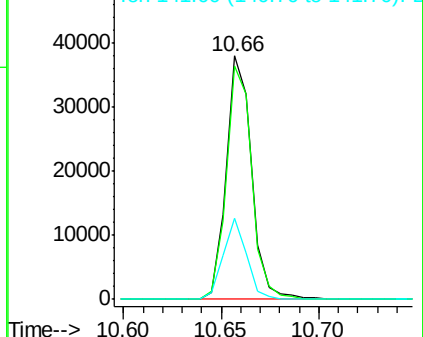
141 30.5 29.9 44.9



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: 98.545 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

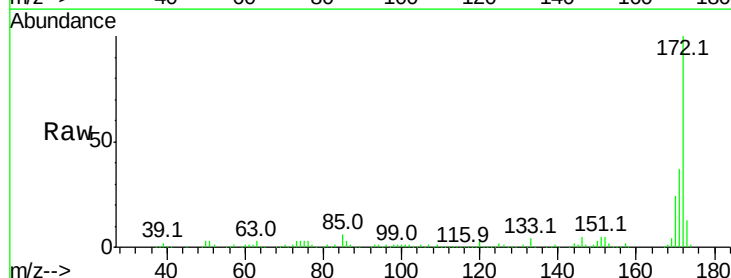
Tgt Ion:172 Resp: 436486

Ion Ratio Lower Upper

172 100

171 37.0 29.7 44.5

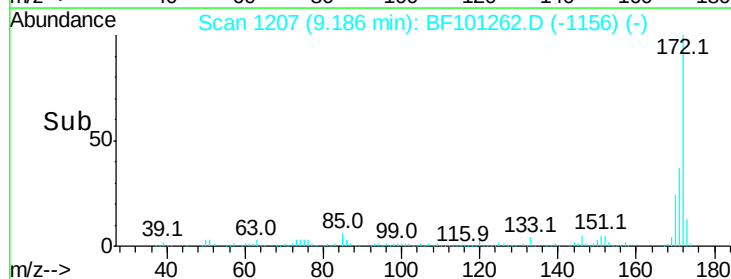
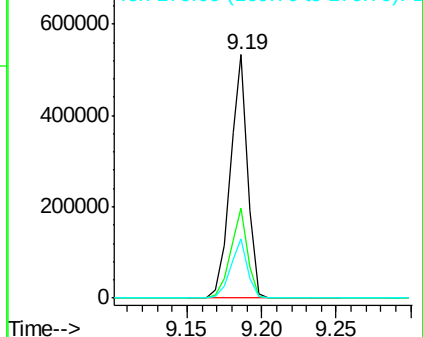
170 24.4 19.6 29.4

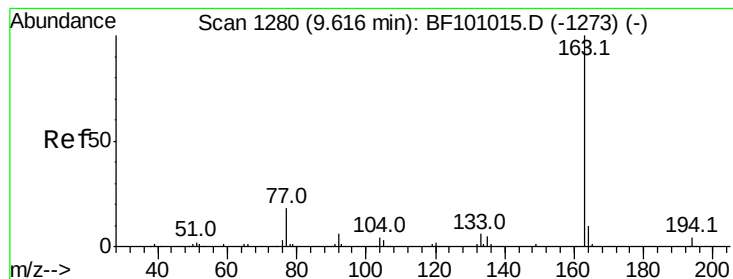


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.555 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

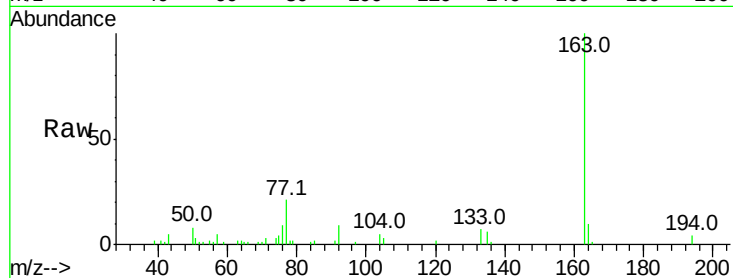
Tot Ion:163 Resp: 36926

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

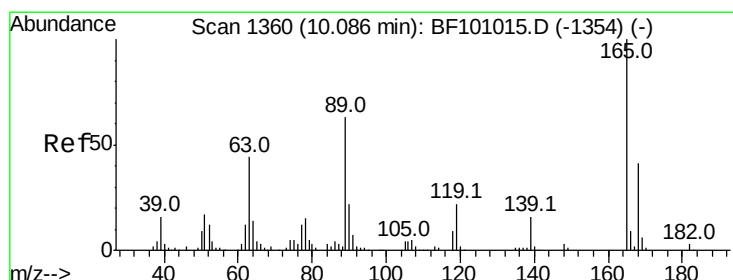
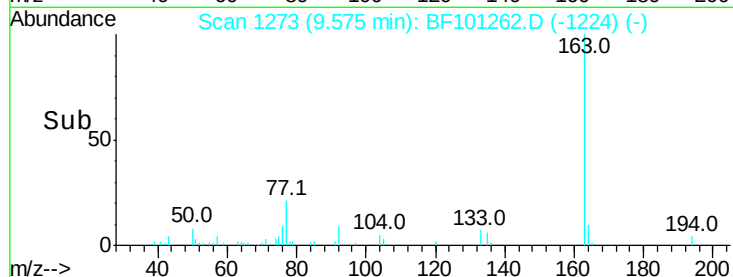
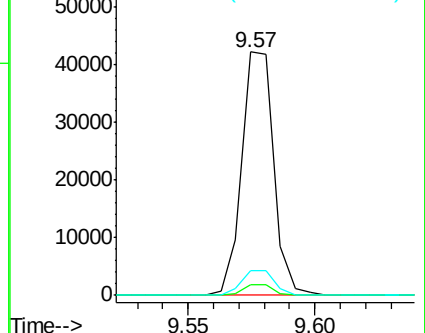
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.616 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Tgt Ion:165 Resp: 7748

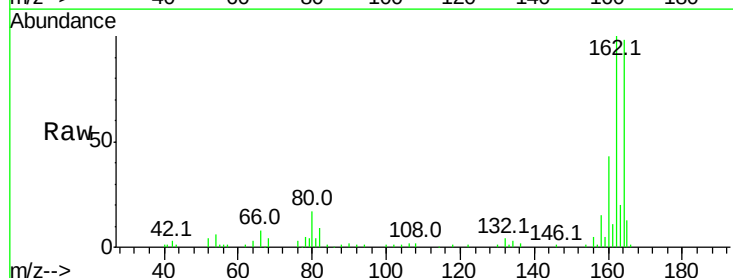
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

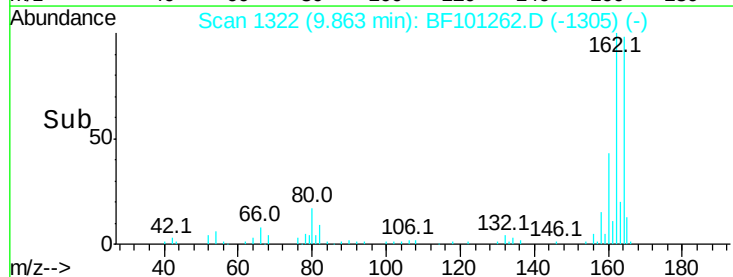
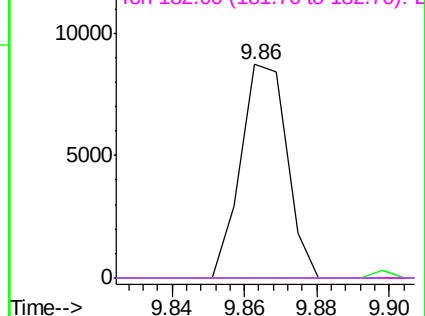


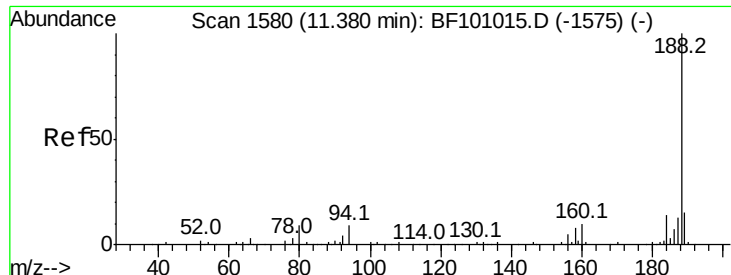
Abundance Ion 165.00 (164.70 to 165.70): E

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

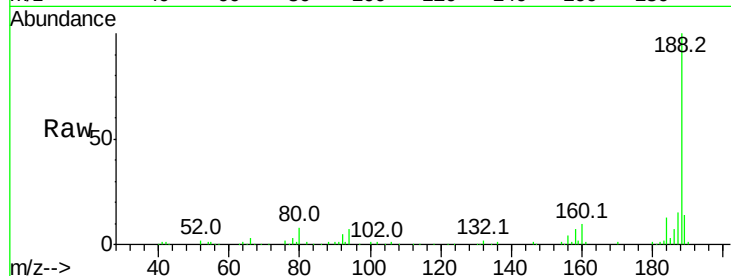




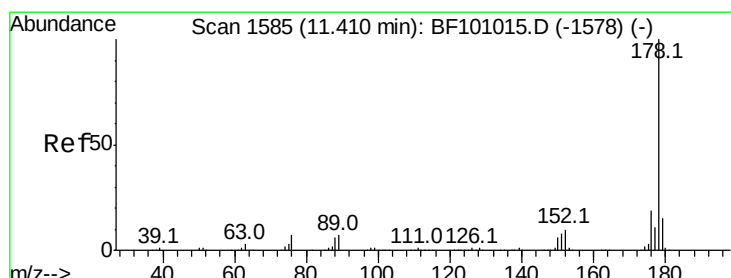
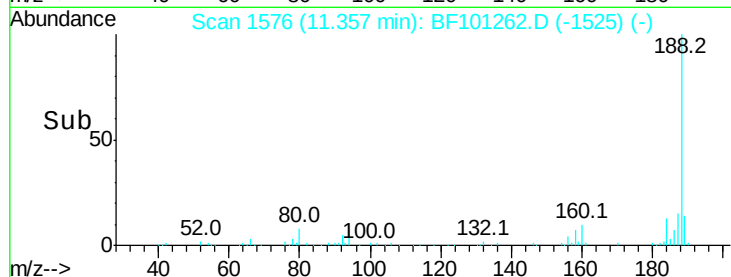
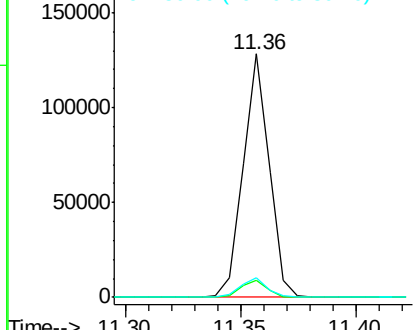
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 100751
Ion Ratio Lower Upper
188 100
94 7.1 8.5 12.7#
80 8.2 9.2 13.8#

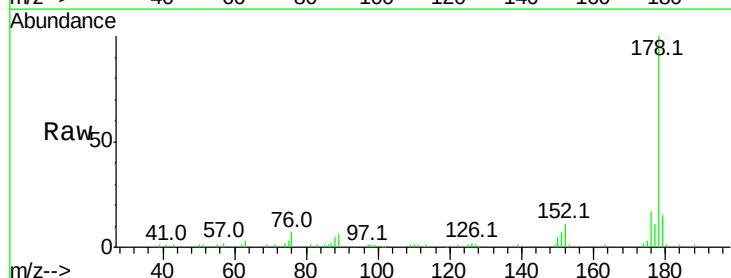


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

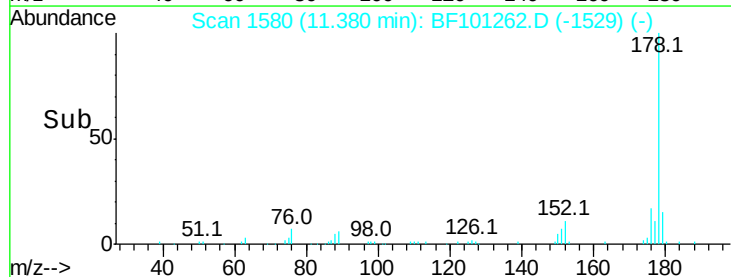
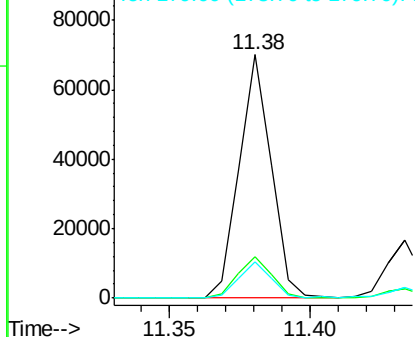


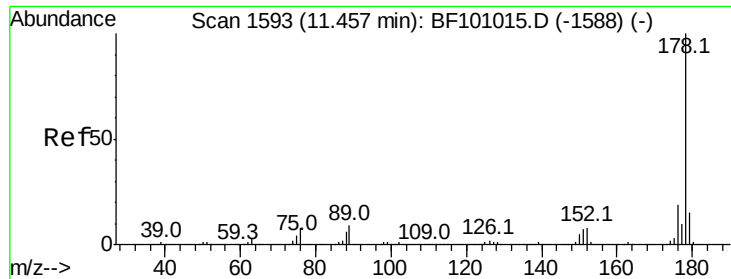
#70
Phenanthrene
Concen: 9.928 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:178 Resp: 55083
Ion Ratio Lower Upper
178 100
176 17.0 15.8 23.8
179 14.9 13.0 19.6



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

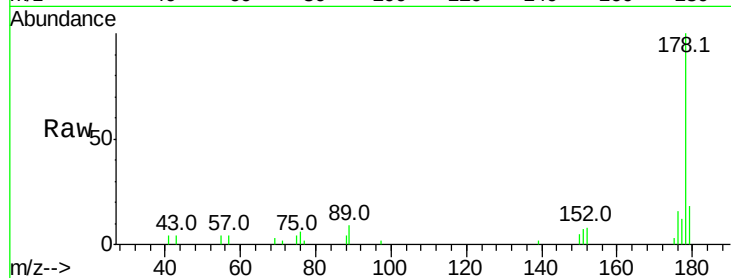




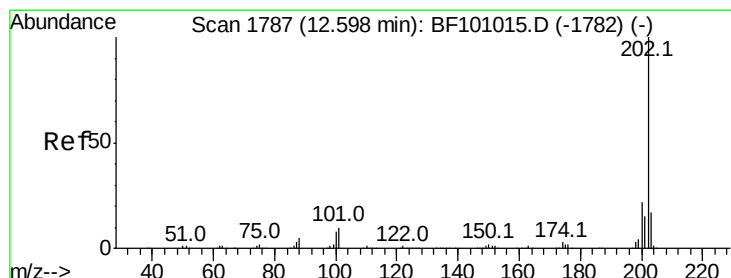
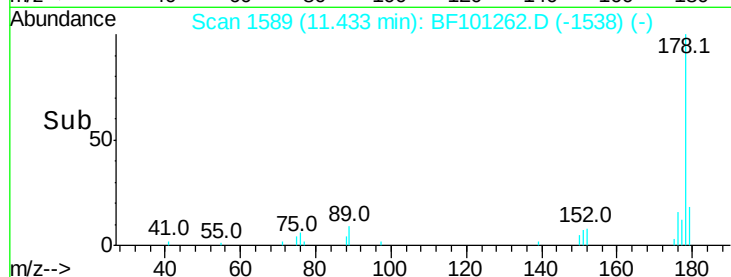
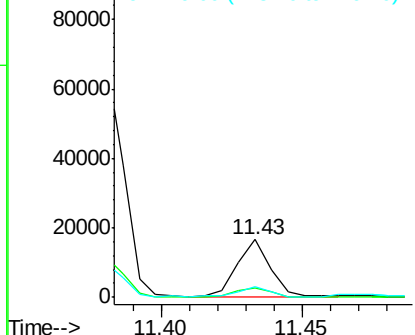
#71
 Anthracene
 Concen: 2.481 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 13929
 Ion Ratio Lower Upper
 178 100
 176 16.4 15.4 23.2
 179 17.8 12.6 19.0

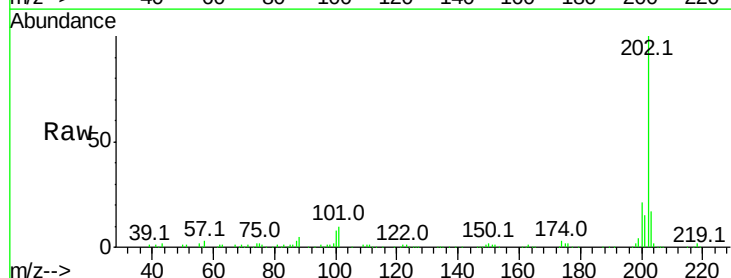


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

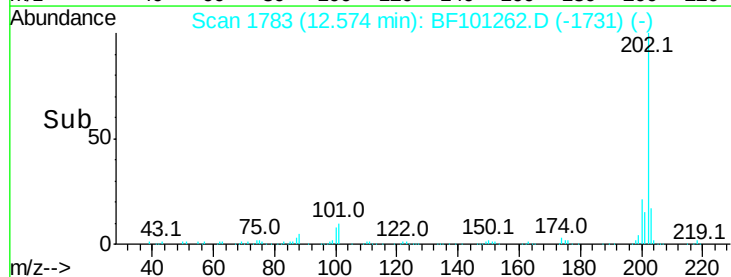
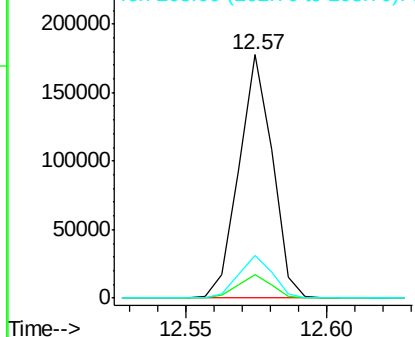


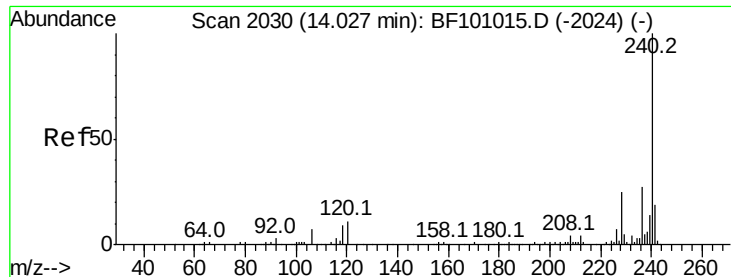
#74
 Fluoranthene
 Concen: 23.827 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Tgt Ion:202 Resp: 146544
 Ion Ratio Lower Upper
 202 100
 101 9.7 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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampled :

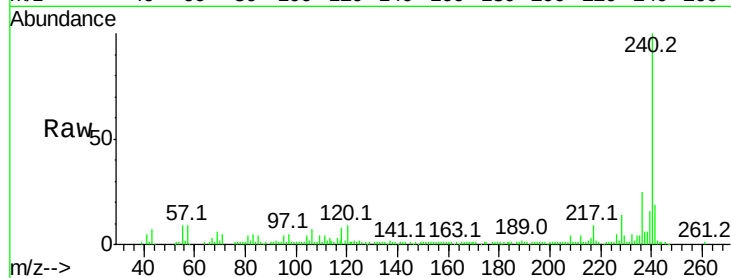
Tot Ion:240 Resp: 78547

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

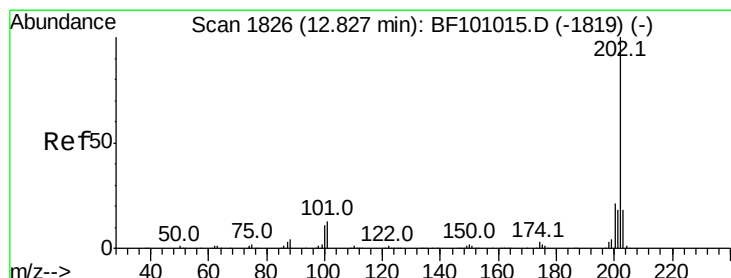
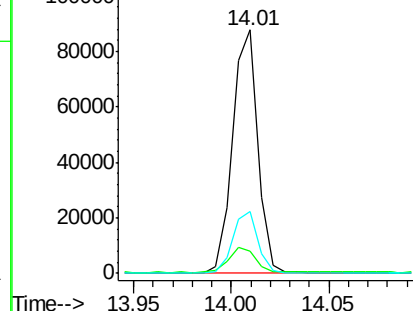
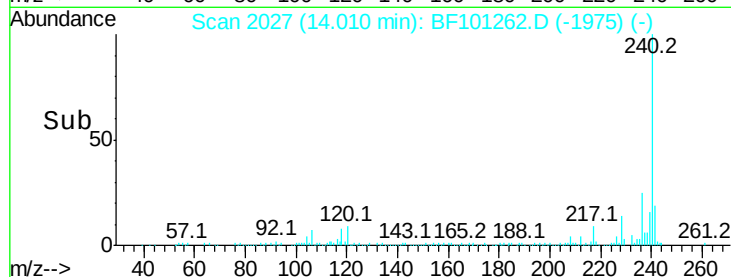
236 25.2 20.7 31.1



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: 27.198 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

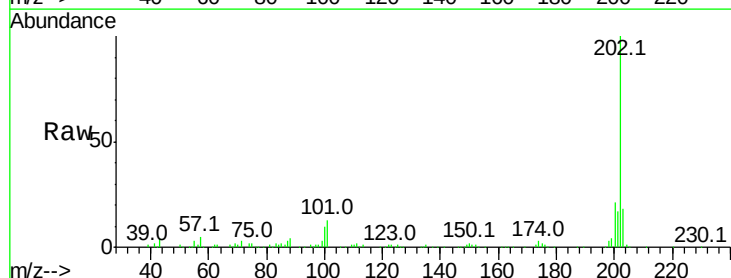
Tgt Ion:202 Resp: 147413

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

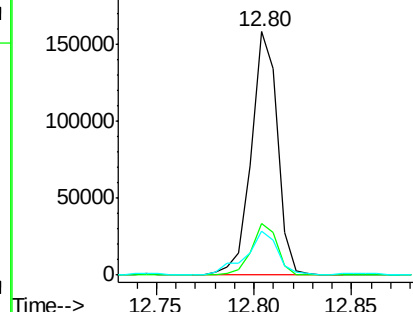
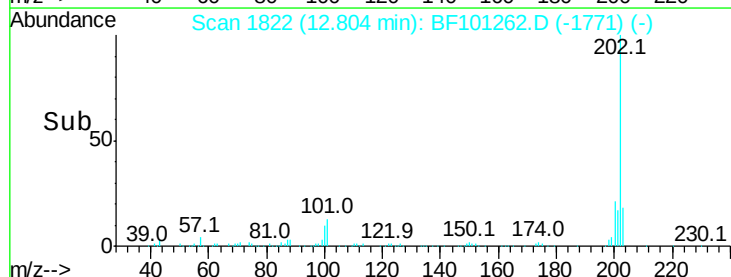
203 18.2 14.3 21.5

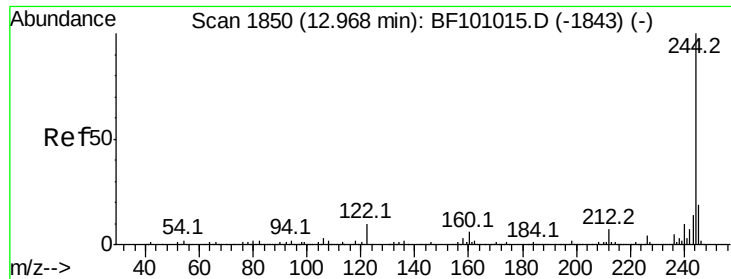


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

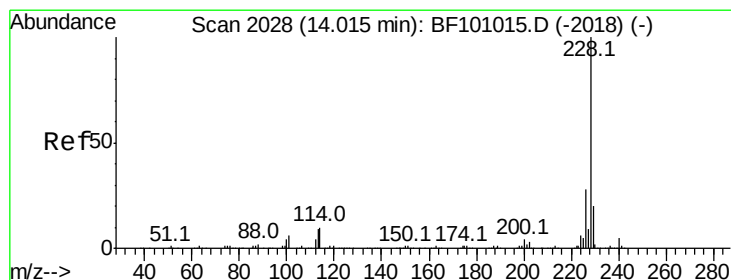
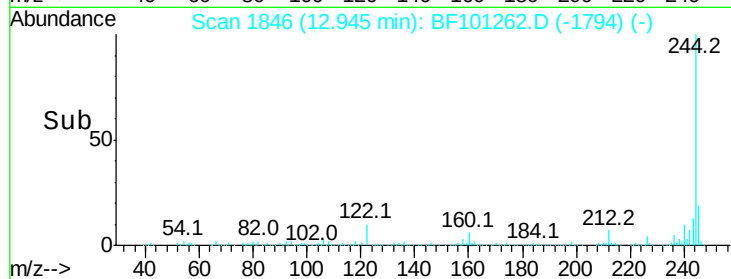
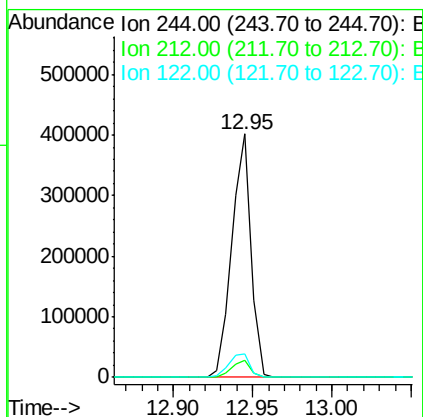
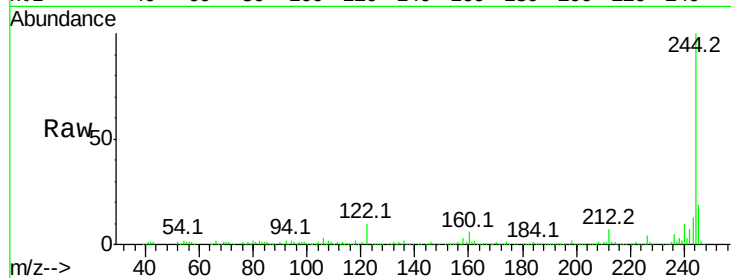




#78
 Terphenyl-d14
 Concen: 93.728 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

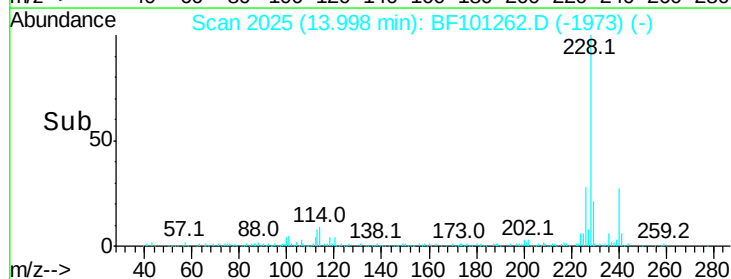
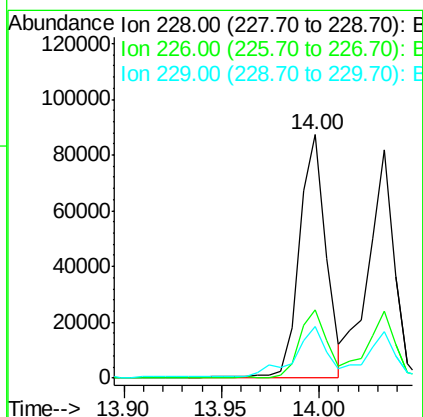
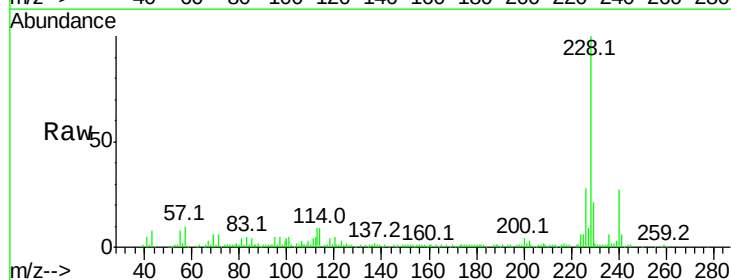
Instrument :
 BNA_F
 ClientSampleId :

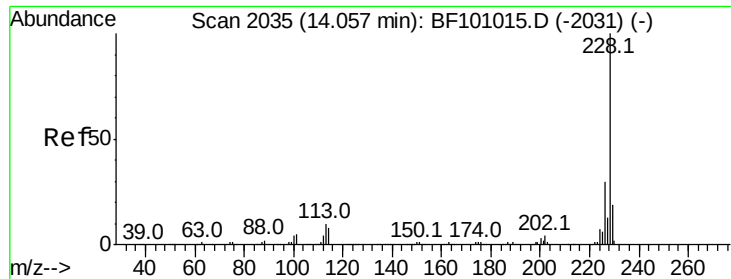
Tot Ion:244 Resp: 336587
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 9.5 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 16.655 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101262.D
 Acq: 9 Dec 2017 4:47

Tgt Ion:228 Resp: 82597
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 21.4 15.8 23.6

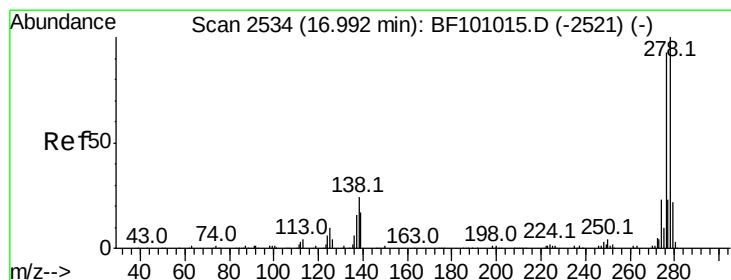
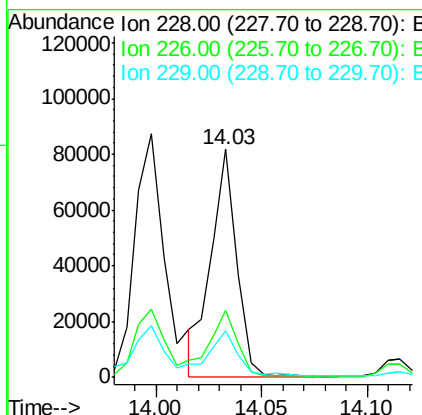
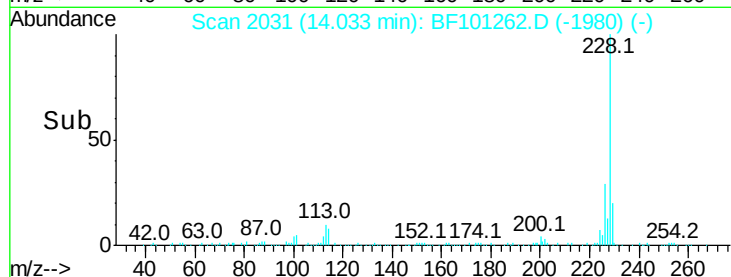
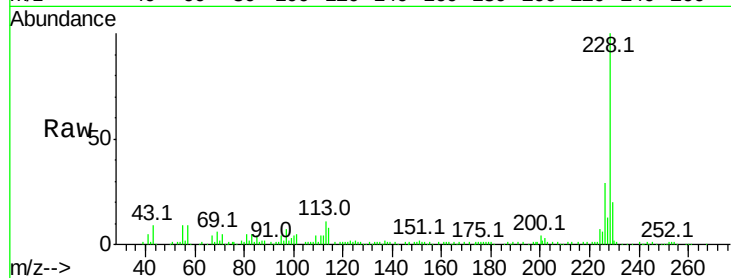




#82
Chrysene
Concen: 15.252 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

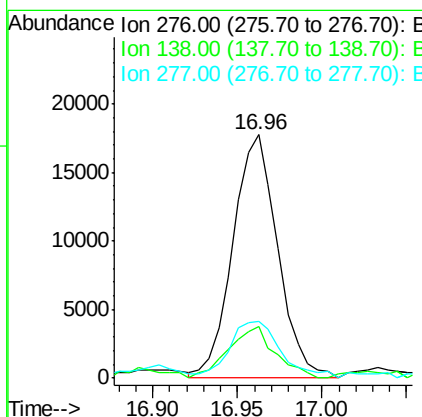
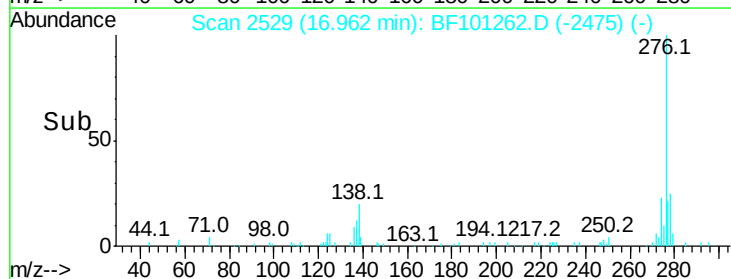
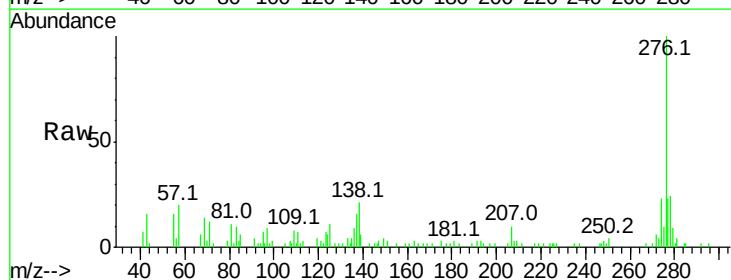
Instrument :
BNA_F
ClientSampled :

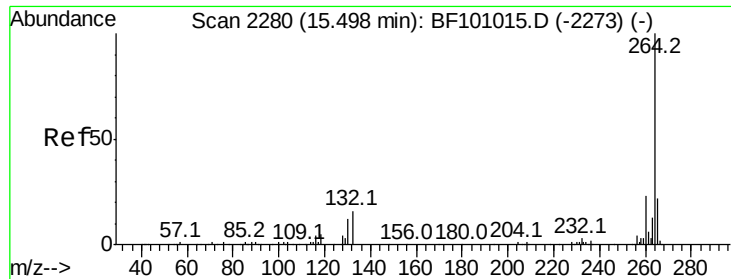
Tot Ion:228 Resp: 70247
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 20.3 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.998 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.02 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:276 Resp: 32751
Ion Ratio Lower Upper
276 100
138 22.1 25.0 37.6#
277 26.9 20.1 30.1

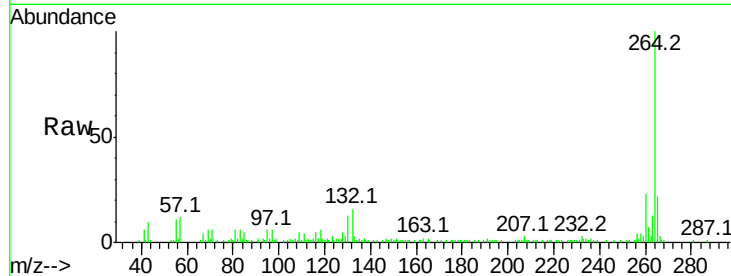




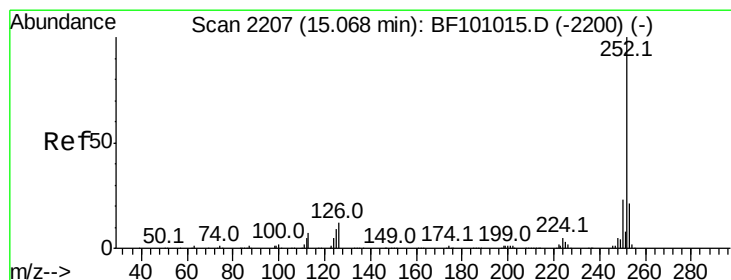
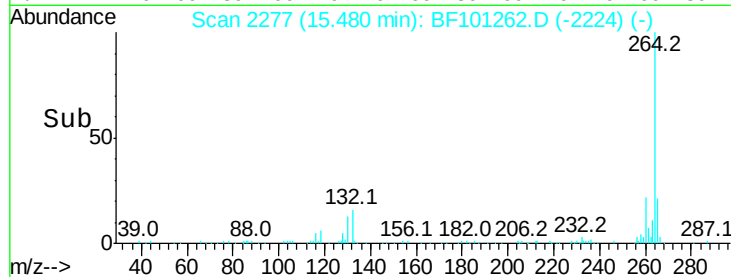
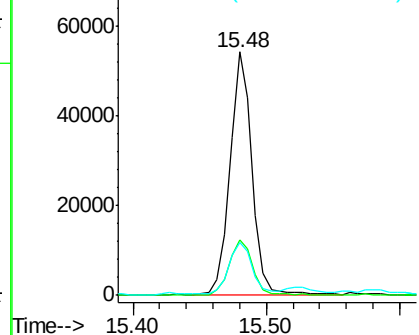
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 63411
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.8 17.5 26.3

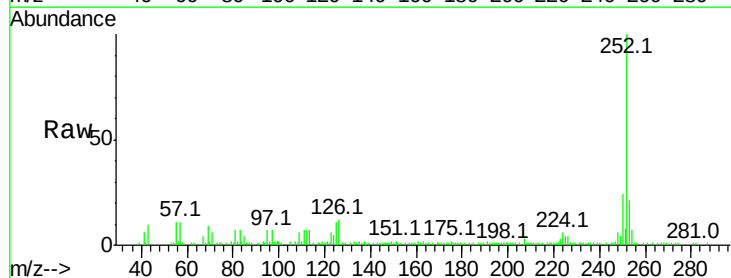


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

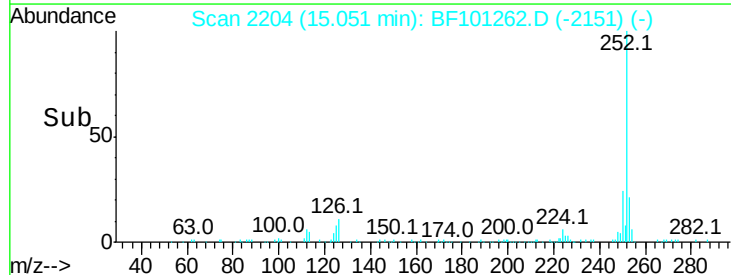
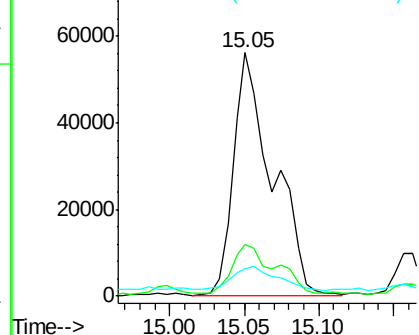


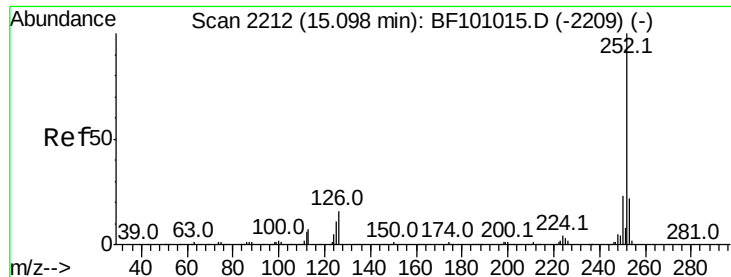
#87
Benzo(b)fluoranthene
Concen: 27.233 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion:252 Resp: 103434
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 11.4 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

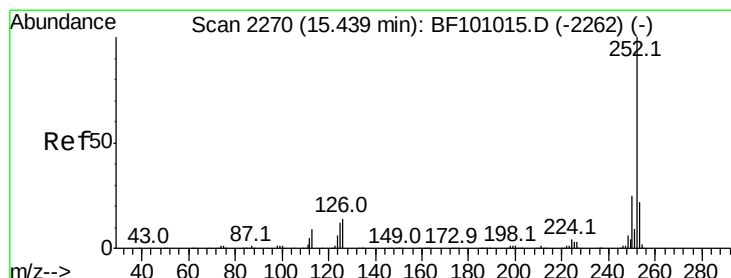
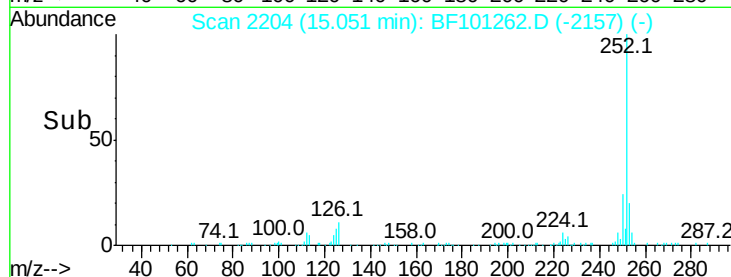
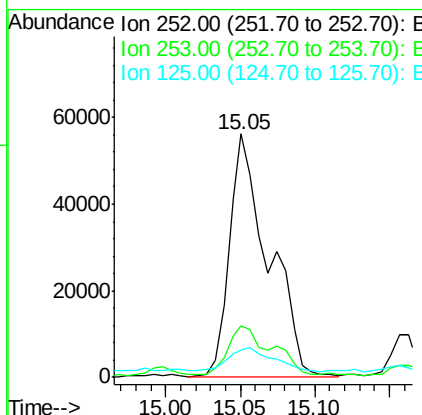
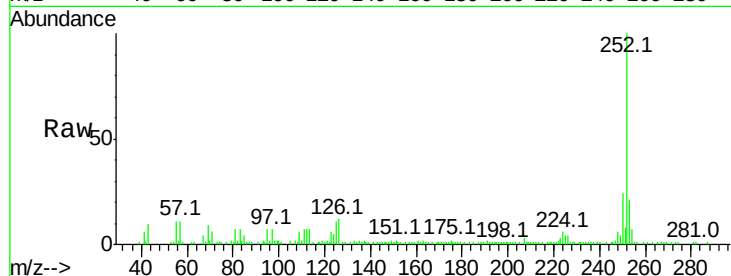




#88
Benzo(k)fluoranthene
Concen: 27.641 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

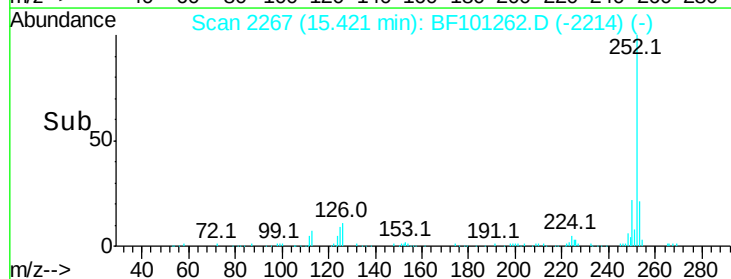
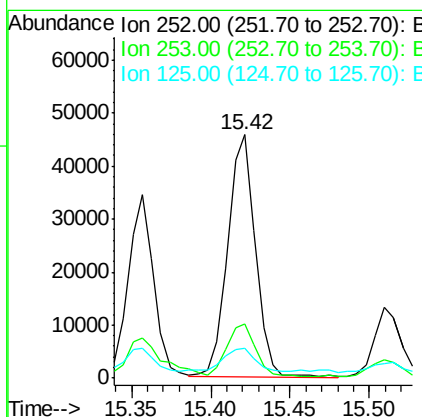
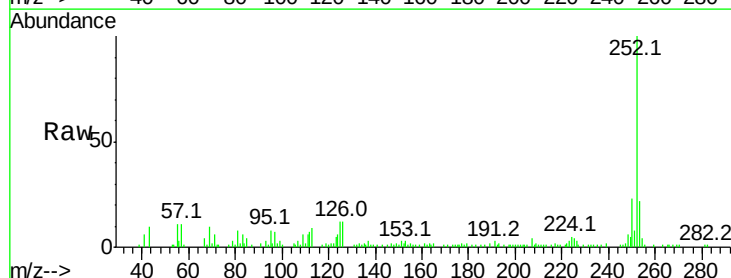
Instrument :
BNA_F
ClientSampleId :

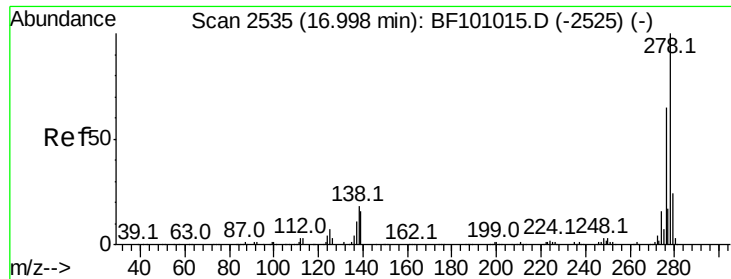
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	11.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 15.946 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101262.D
Acq: 9 Dec 2017 4:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	12.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.950 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

Instrument :

BNA_F

ClientSampleId :

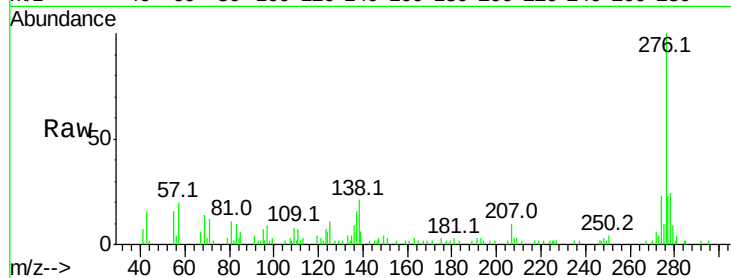
Tot Ion:278 Resp: 8981

Ion Ratio Lower Upper

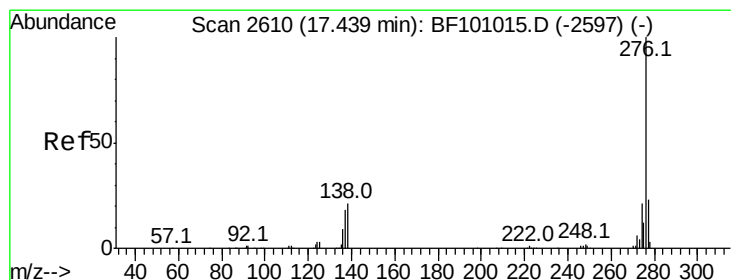
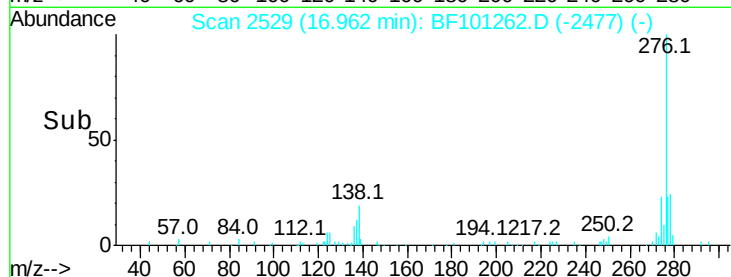
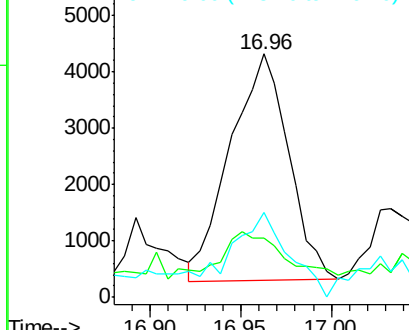
278 100

139 24.5 15.9 23.9#

279 35.1 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.738 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.02 min

Lab File: BF101262.D

Acq: 9 Dec 2017 4:47

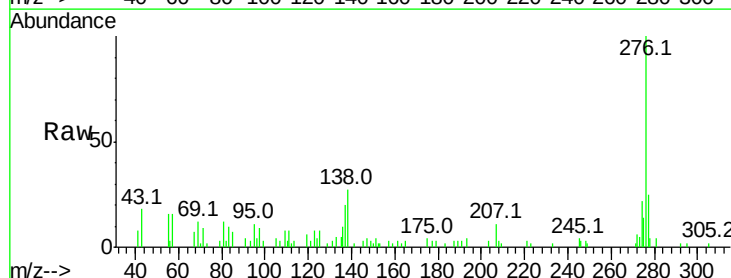
Tgt Ion:276 Resp: 33674

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 26.9 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

