

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101248.D
 Acq On : 8 Dec 2017 20:52
 Operator : SJ/JU
 Sample : I6677-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-120717-B

Quant Time: Dec 08 22:53:52 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

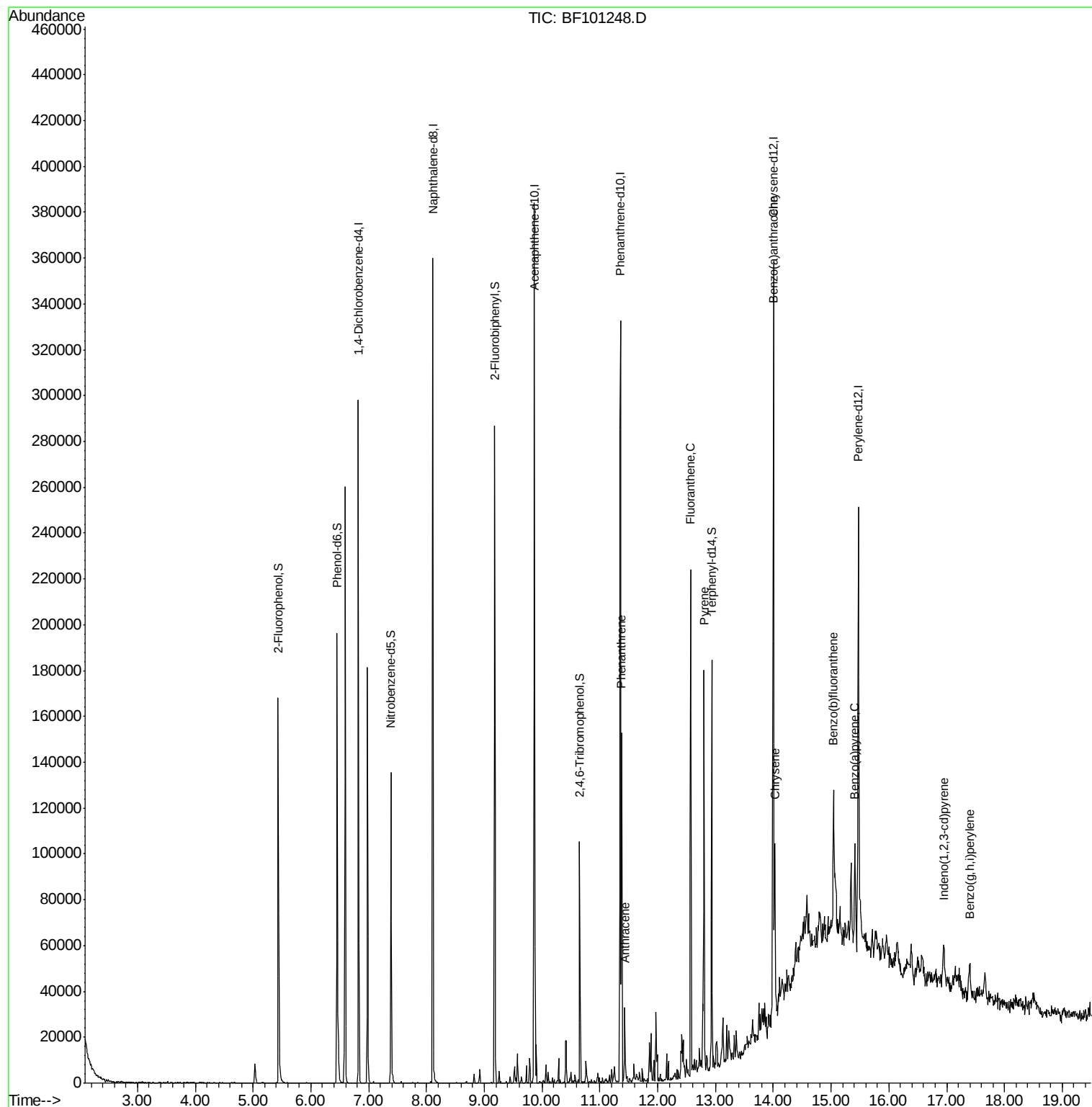
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	44838	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	173694	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	72825	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	119173	20.00	ng	0.00
75) Chrysene-d12	14.00	240	97491	20.00	ng	0.00
86) Perylene-d12	15.47	264	80935	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	56892	20.97	ng	0.00
7) Phenol-d6	6.45	99	68862	20.90	ng	-0.01
23) Nitrobenzene-d5	7.39	82	39667	13.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	14546	16.63	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	79983	15.03	ng	0.00
78) Terphenyl-d14	12.93	244	59106	13.26	ng	0.00
Target Compounds						
70) Phenanthrene	11.38	178	60280	9.185	ng	96
71) Anthracene	11.43	178	15043	2.265	ng	98
74) Fluoranthene	12.57	202	84484	11.613	ng	93
77) Pyrene	12.80	202	71954	10.696	ng	98
80) Benzo(a)anthracene	13.99	228	30316m	4.925	ng	
82) Chrysene	14.03	228	29855	5.222	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	11249	2.213	ng	91
87) Benzo(b)fluoranthene	15.04	252	30925m	6.379	ng	
89) Benzo(a)pyrene	15.41	252	21453	4.868	ng	95
91) Benzo(g,h,i)perylene	17.40	276	11112	3.035	ng	# 86

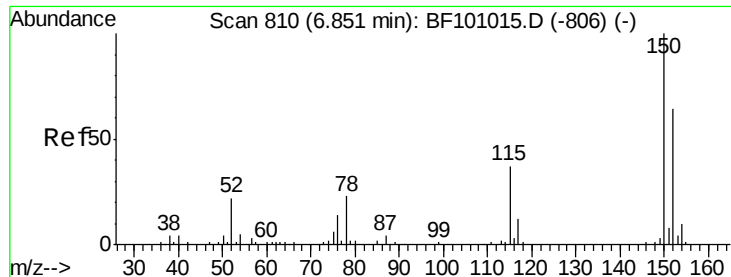
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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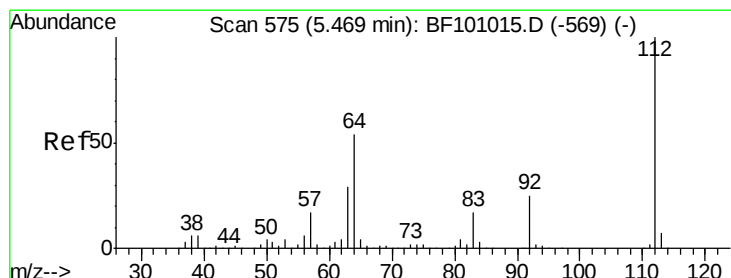
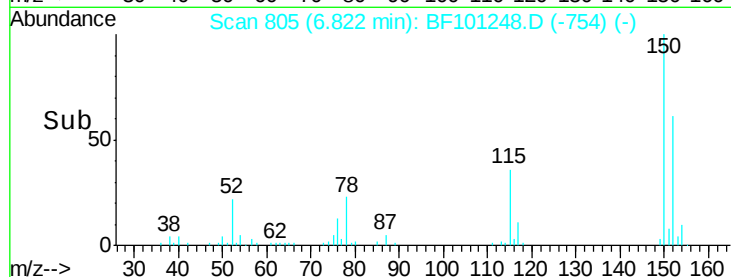
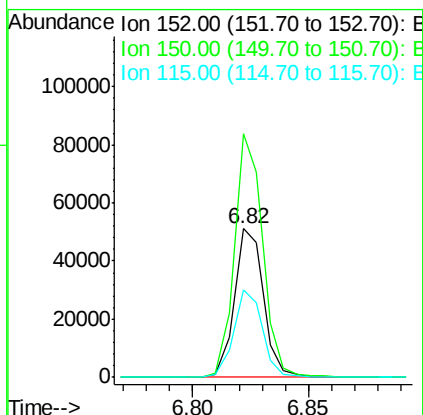
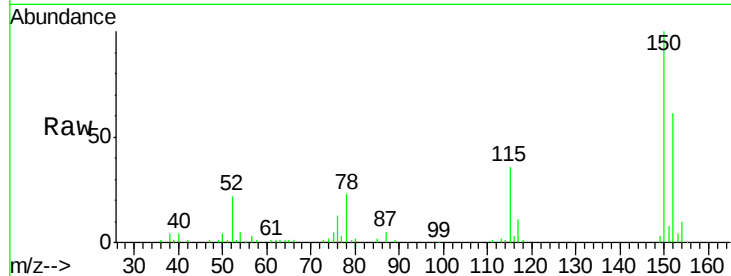


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Instrument :
BNA_F
ClientSampleId :
OR-03-120717-B

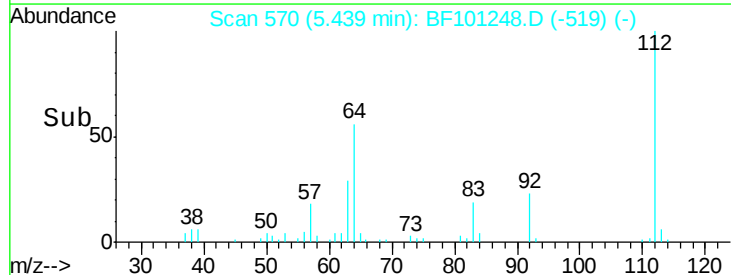
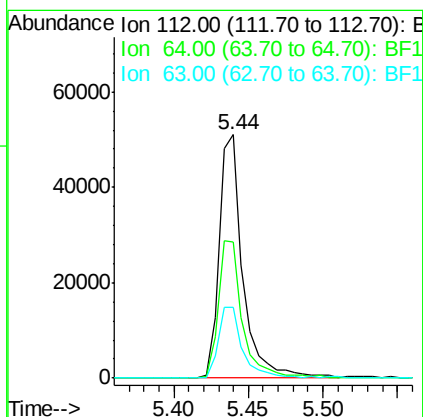
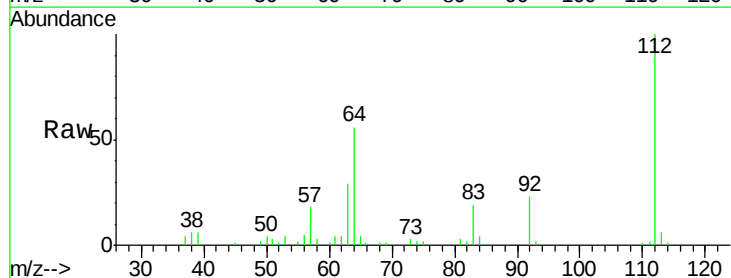
Tot Ion:152 Resp: 44838
Ion Ratio Lower Upper
152 100
150 163.8 124.6 186.8
115 59.1 50.1 75.1



#5

2-Fluorophenol
Concen: 20.967 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion:112 Resp: 56892
Ion Ratio Lower Upper
112 100
64 55.9 47.9 71.9
63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 20.903 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

OR-03-120717-B

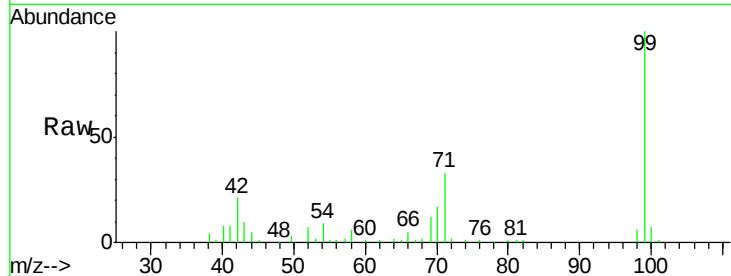
Tot Ion: 99 Resp: 68862

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

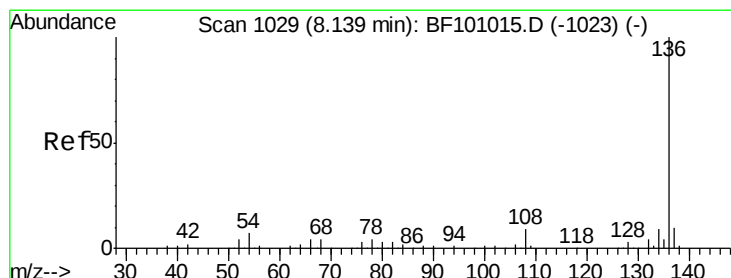
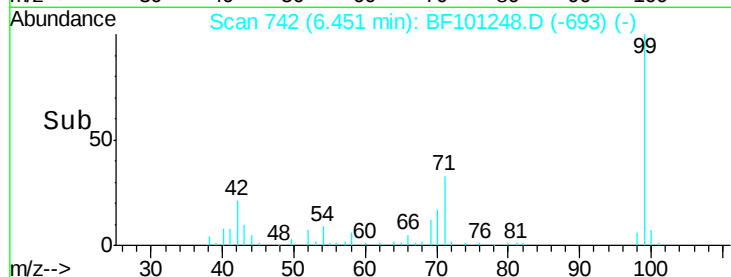
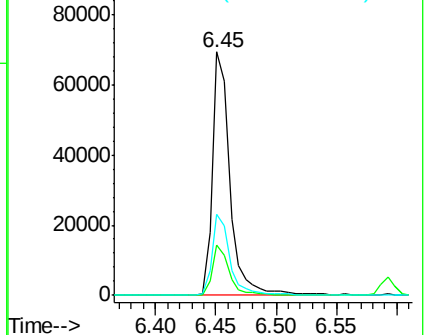
71 33.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Tgt Ion: 136 Resp: 173694

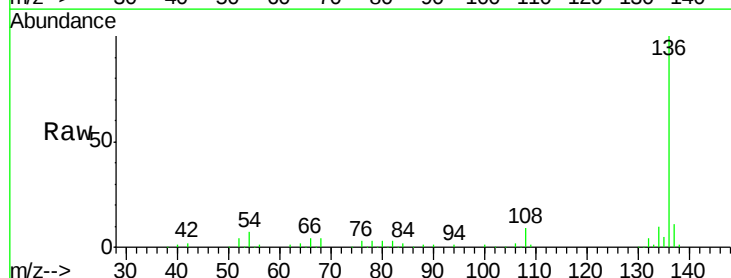
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.8 6.6 9.8

68 4.2 5.0 7.4#

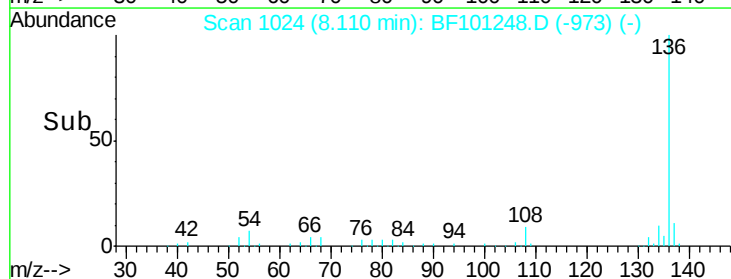
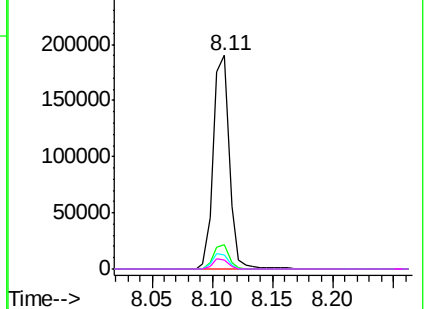


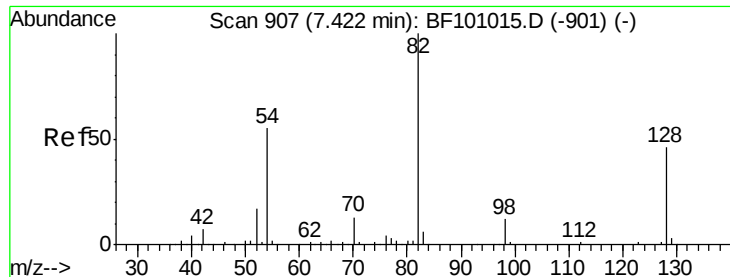
Abundance Ion 136.00 (135.70 to 136.70): E

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

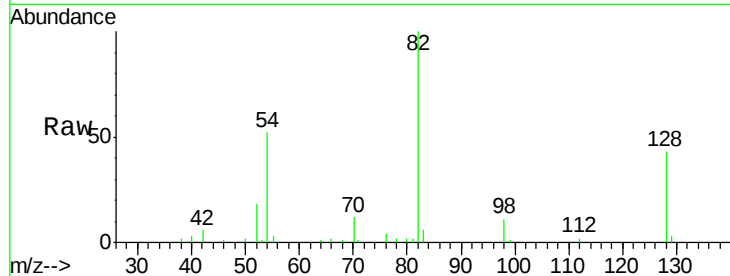




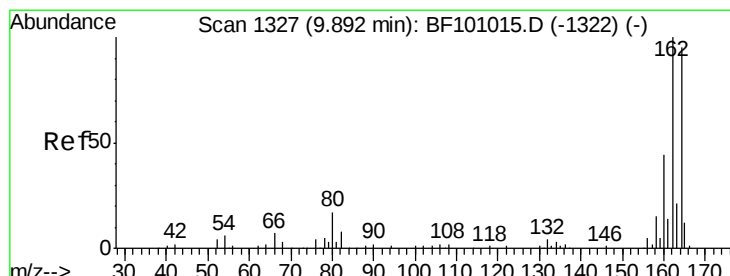
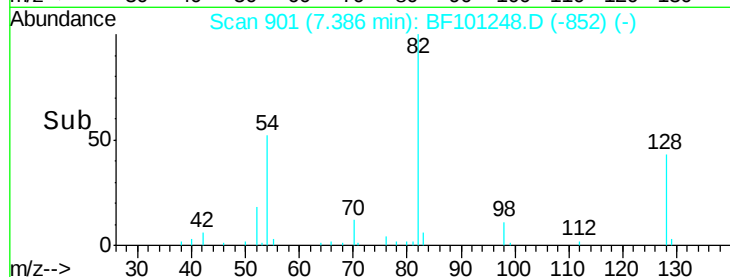
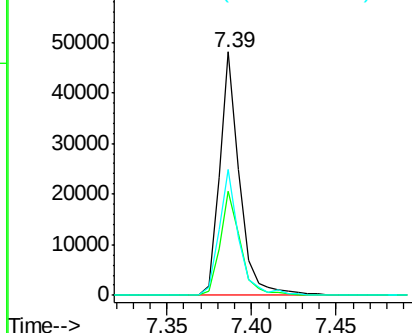
#23
 Nitrobenzene-d5
 Concen: 13.623 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-120717-B

Tot Ion: 82 Resp: 39667
 Ion Ratio Lower Upper
 82 100
 128 42.9 36.1 54.1
 54 52.0 41.4 62.2

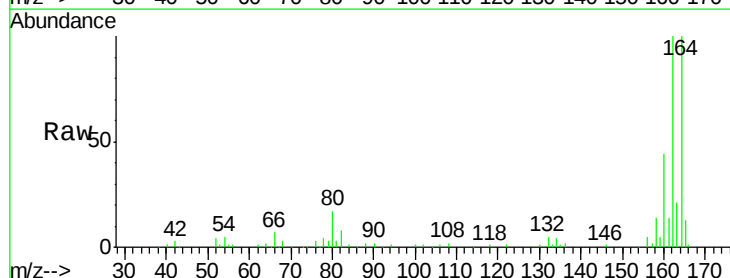


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

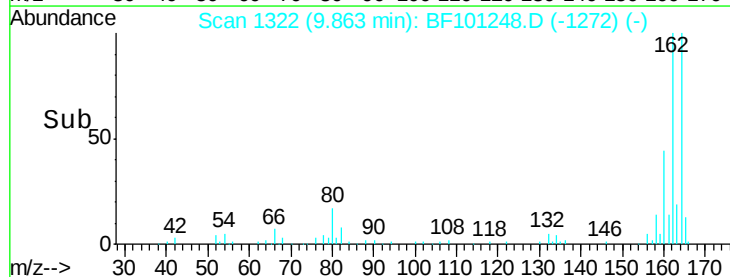
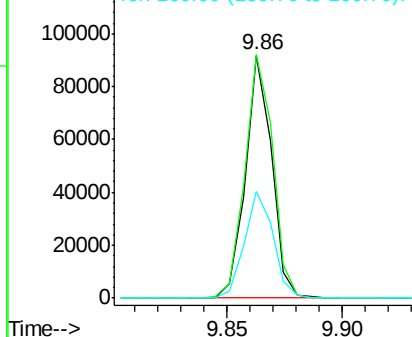


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101248.D
 Acq: 8 Dec 2017 20:52

Tgt Ion: 164 Resp: 72825
 Ion Ratio Lower Upper
 164 100
 162 100.4 86.1 129.1
 160 44.0 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 16.627 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

OR-03-120717-B

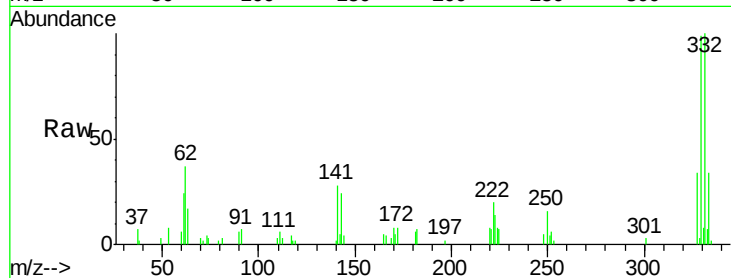
Tot Ion:330 Resp: 14546

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

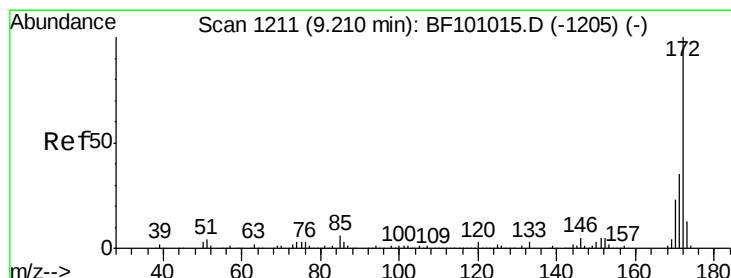
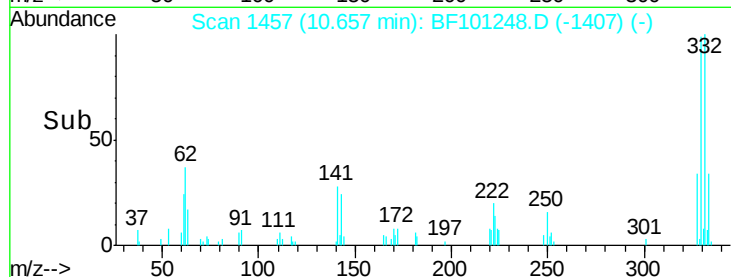
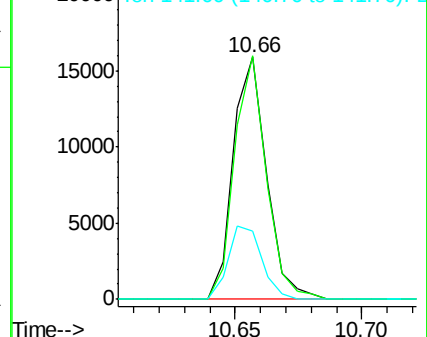
141 30.6 29.9 44.9



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: 15.027 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

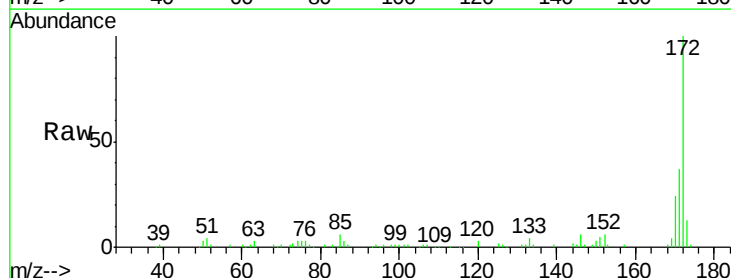
Tgt Ion:172 Resp: 79983

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

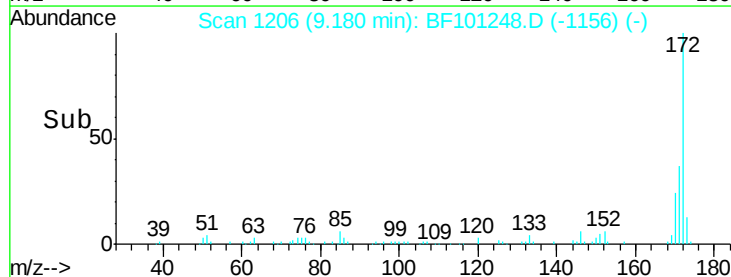
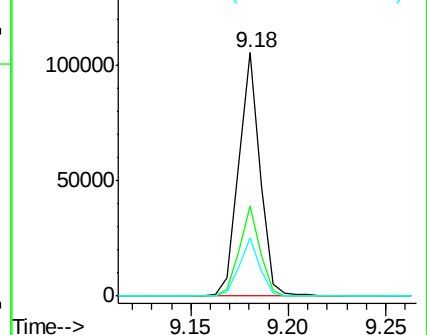
170 23.9 19.6 29.4

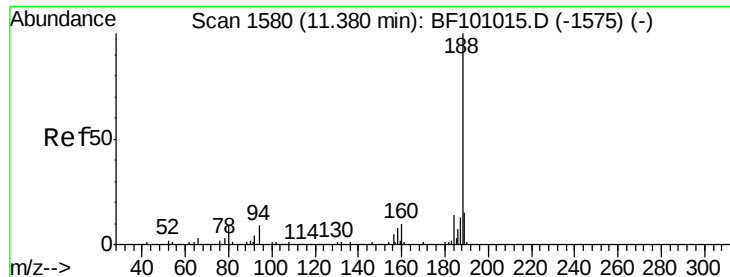


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

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OR-03-120717-B

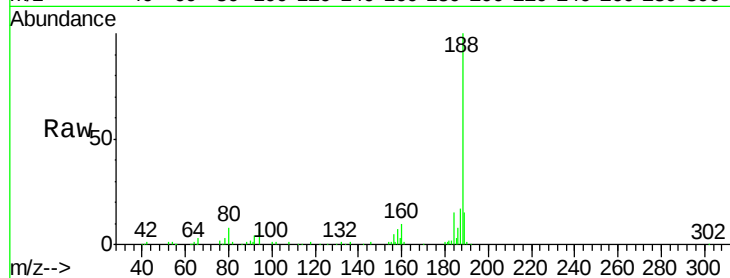
Tot Ion:188 Resp: 119173

Ion Ratio Lower Upper

188 100

94 6.9 8.5 12.7#

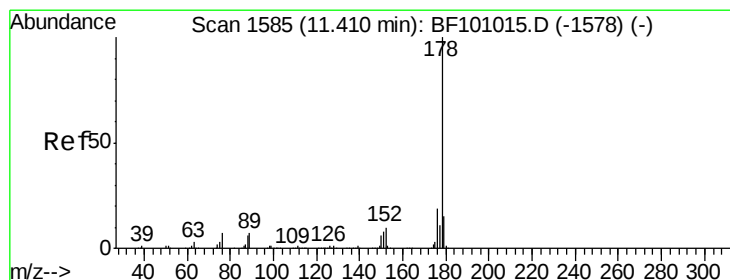
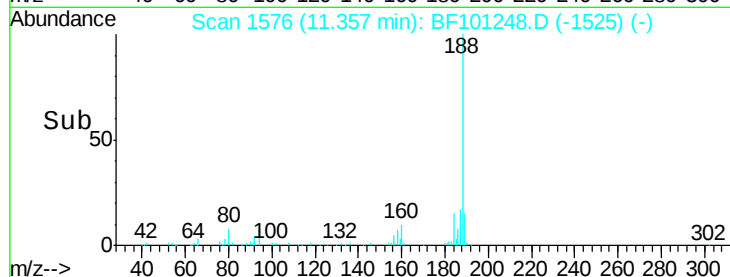
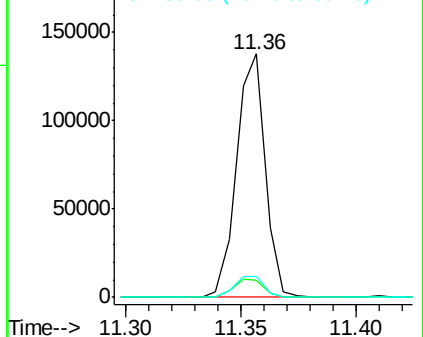
80 8.5 9.2 13.8#



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: 9.185 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

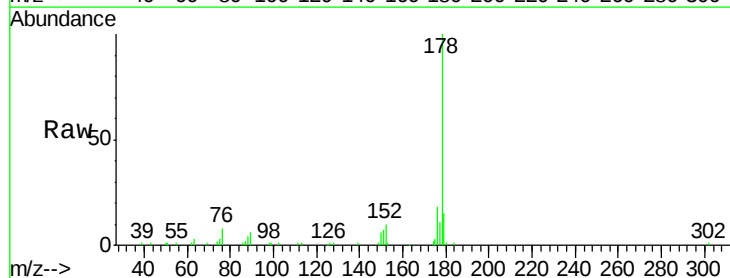
Tgt Ion:178 Resp: 60280

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

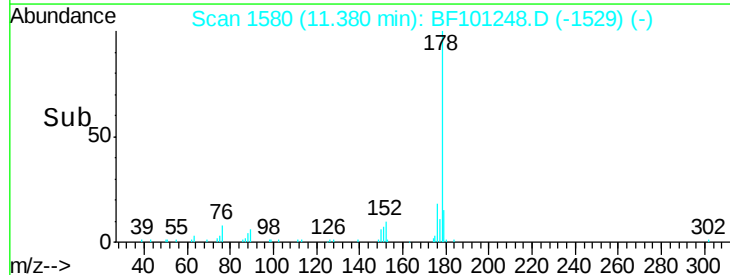
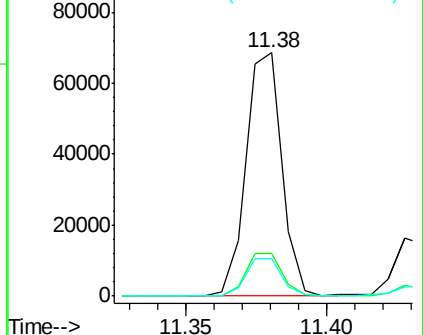
179 15.3 13.0 19.6

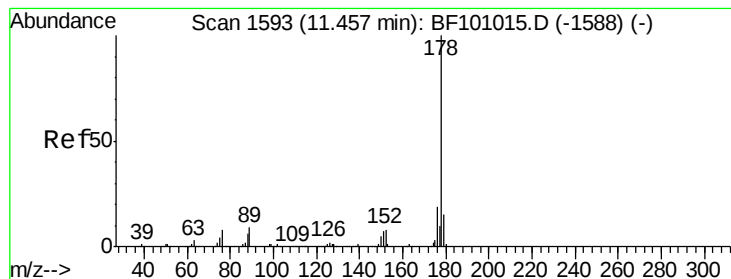


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.265 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF101248.D

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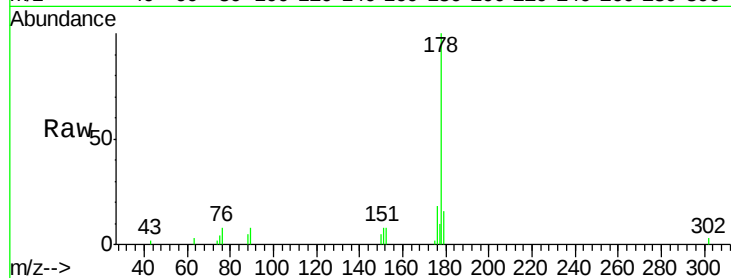
Tot Ion:178 Resp: 15043

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

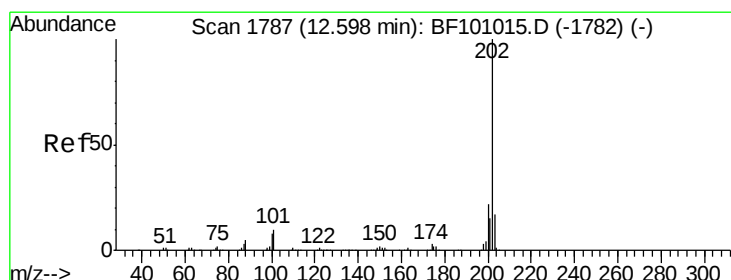
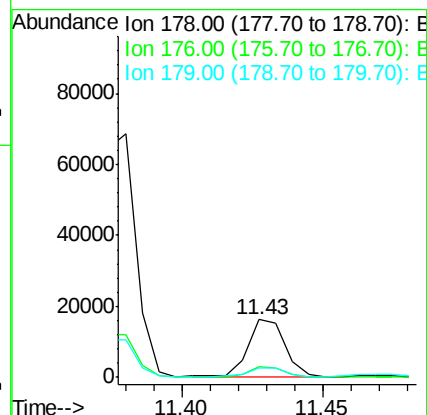
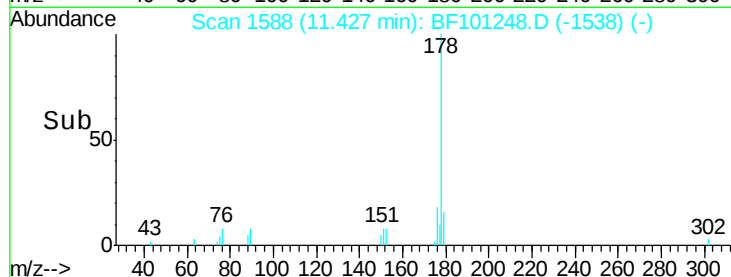
179 16.4 12.6 19.0



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: 11.613 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

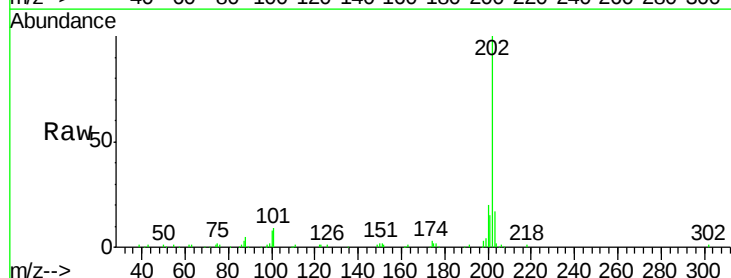
Tgt Ion:202 Resp: 84484

Ion Ratio Lower Upper

202 100

101 9.2 0.0 34.1

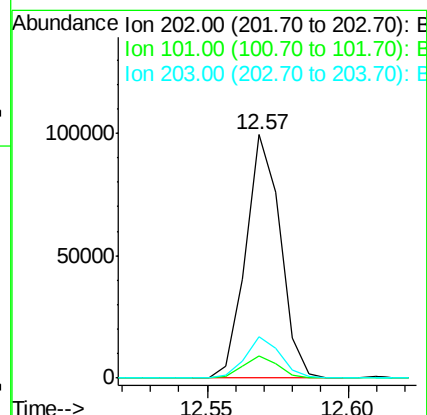
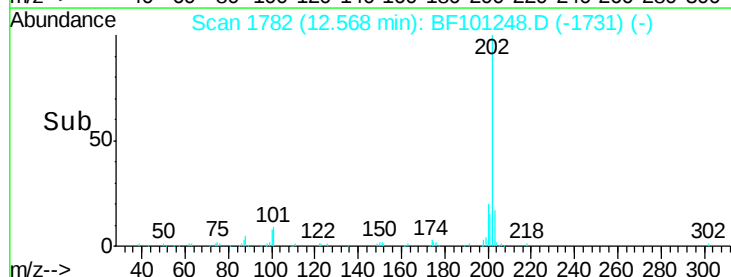
203 17.0 0.0 38.1

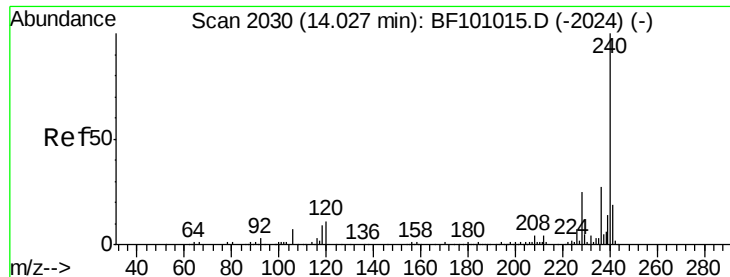


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF101248.D

Acq: 8 Dec 2017 20:52

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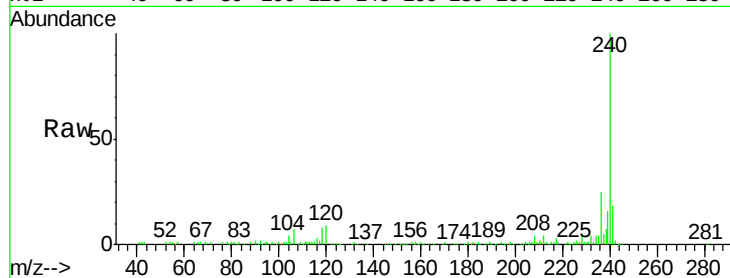
Tot Ion:240 Resp: 97491

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

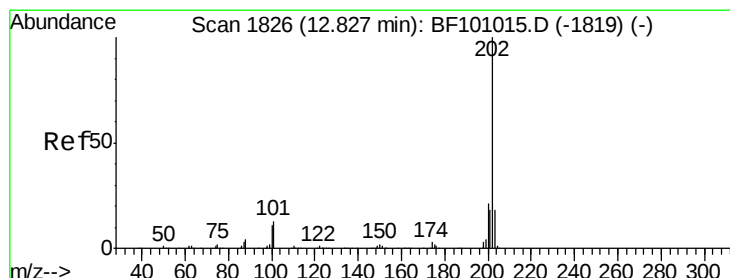
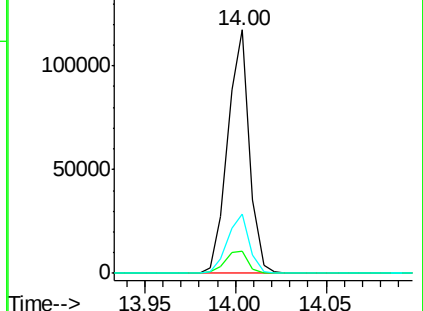
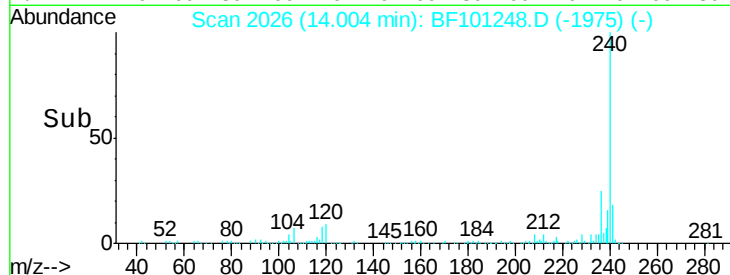
236 24.5 20.7 31.1



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

Pyrene

Concen: 10.696 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

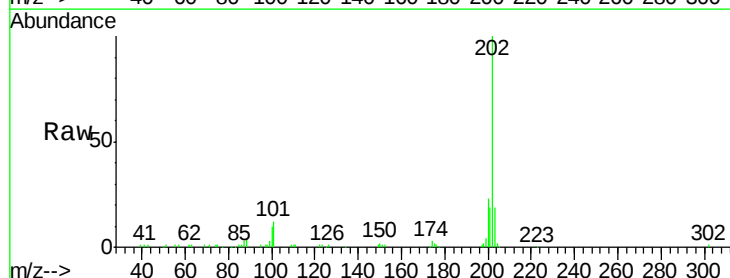
Tgt Ion:202 Resp: 71954

Ion Ratio Lower Upper

202 100

200 22.7 17.4 26.2

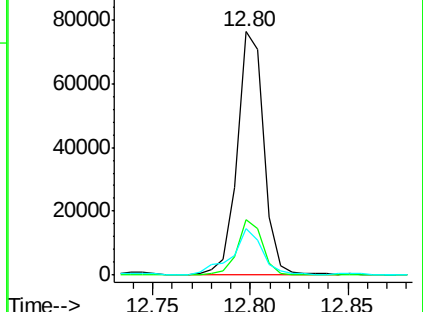
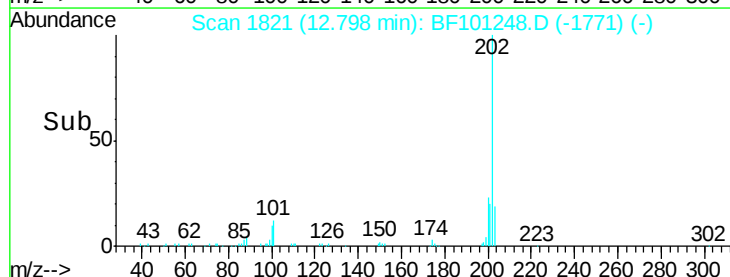
203 19.1 14.3 21.5

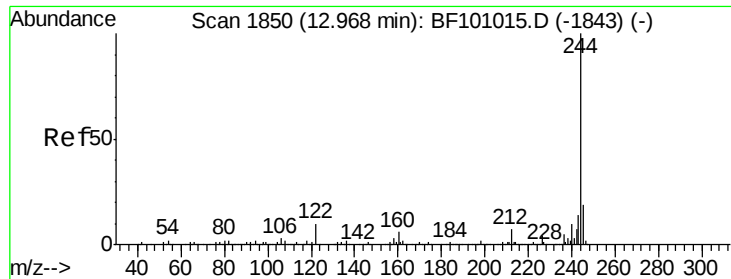


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.261 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

OR-03-120717-B

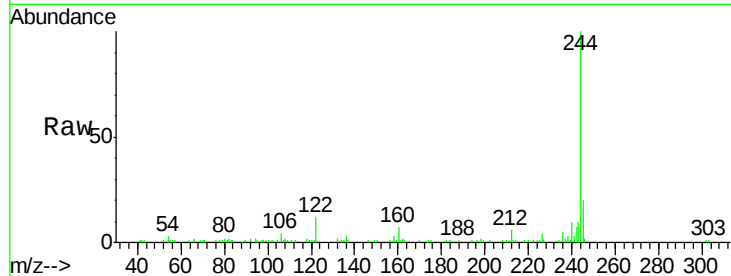
Tot Ion:244 Resp: 59106

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

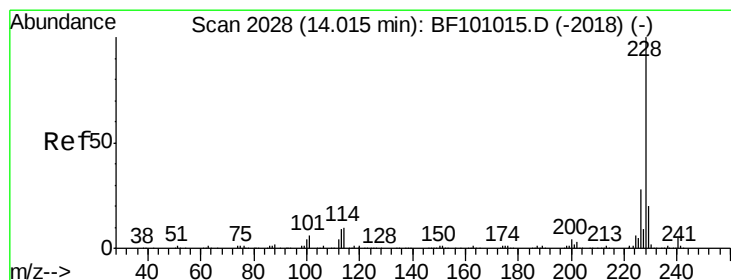
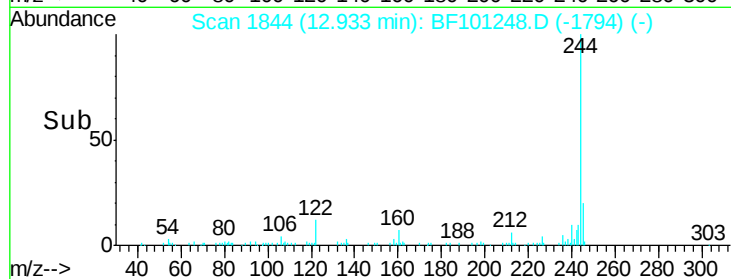
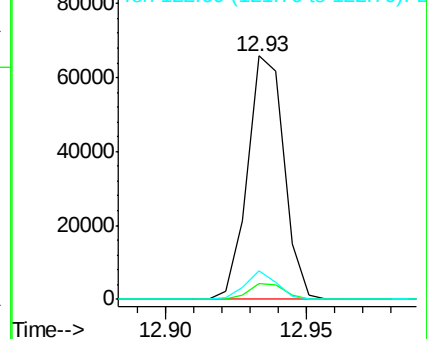
122 11.6 11.0 16.4



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: 4.925 ng m

RT: 13.99 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

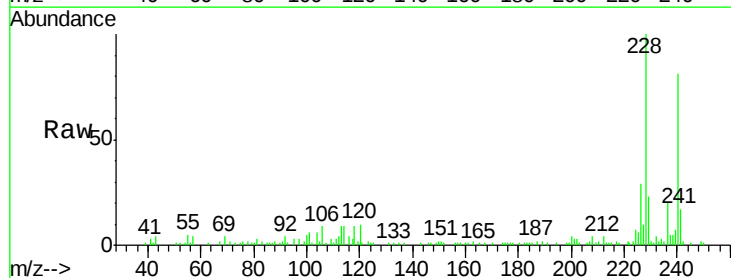
Tgt Ion:228 Resp: 30316

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

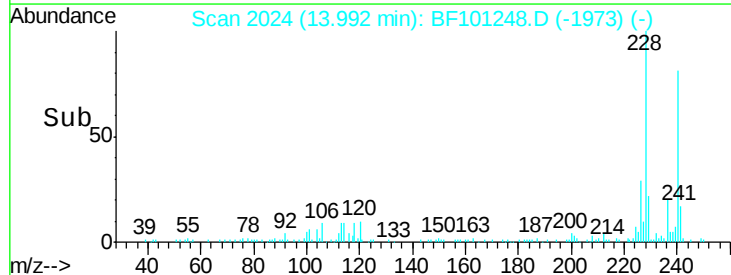
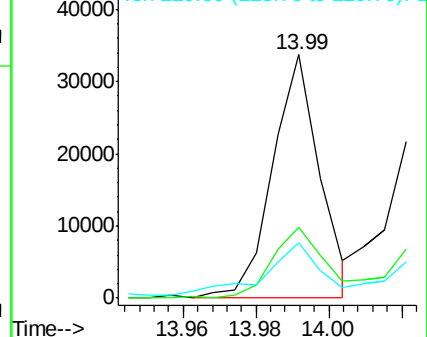
229 22.8 15.8 23.6

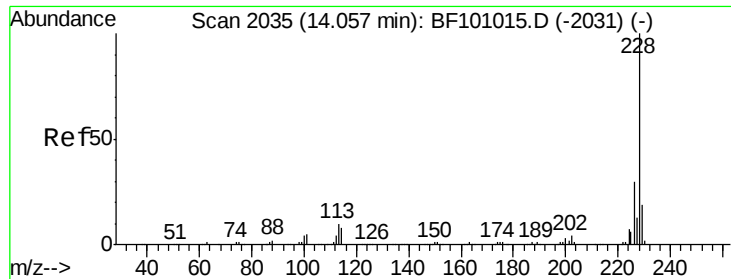


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

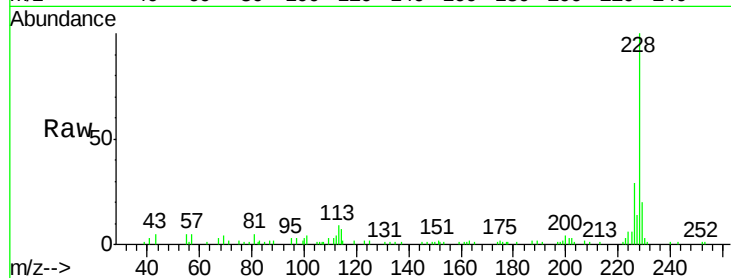




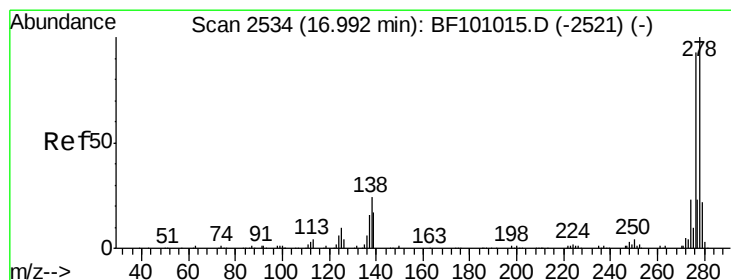
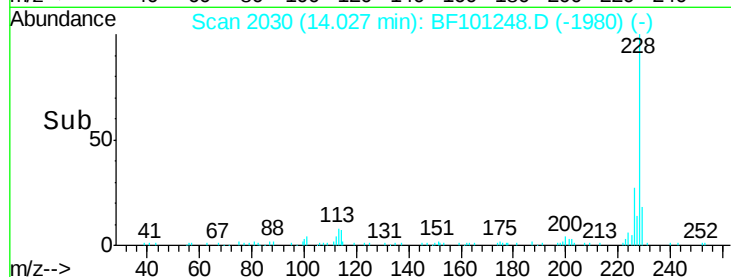
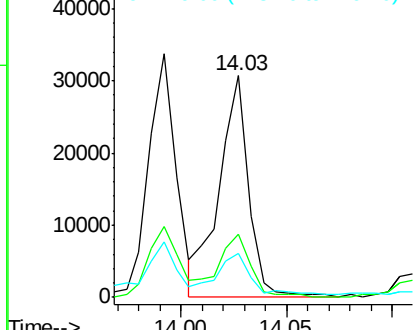
#82
Chrysene
Concen: 5.222 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Instrument :
BNA_F
ClientSampleId :
OR-03-120717-B

Tot Ion:228 Resp: 29855
Ion Ratio Lower Upper
228 100
226 28.5 25.0 37.6
229 19.8 16.2 24.4

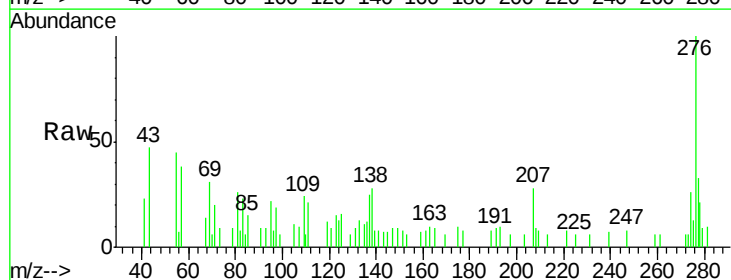


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

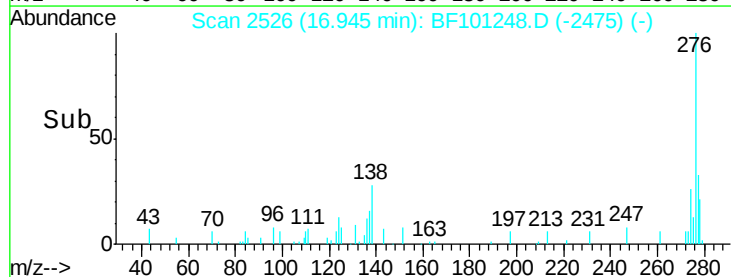
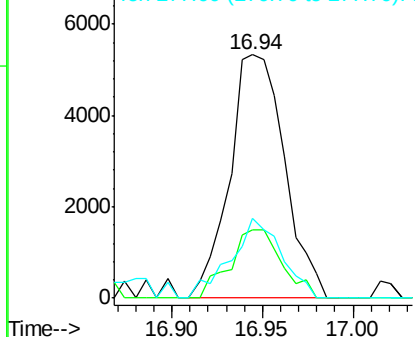


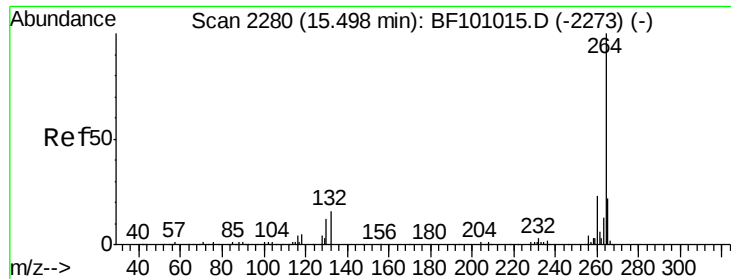
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.213 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.00 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion:276 Resp: 11249
Ion Ratio Lower Upper
276 100
138 26.7 25.0 37.6
277 30.1 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

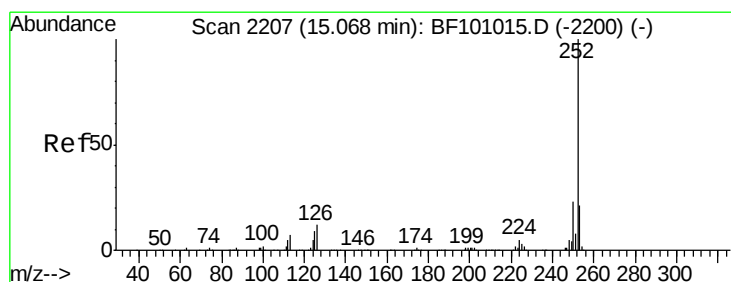
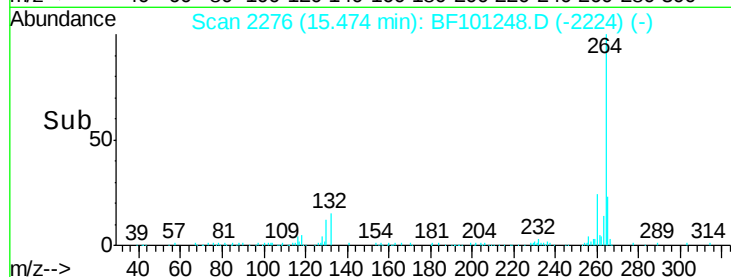
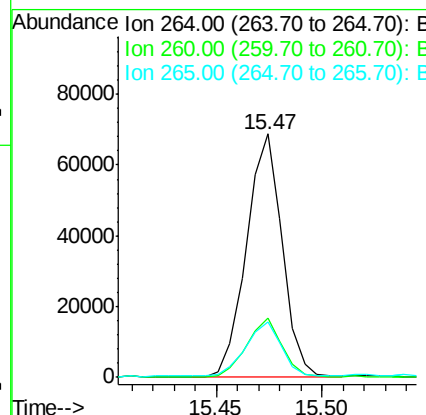
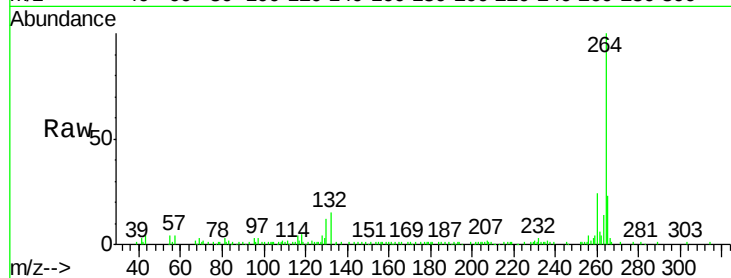




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

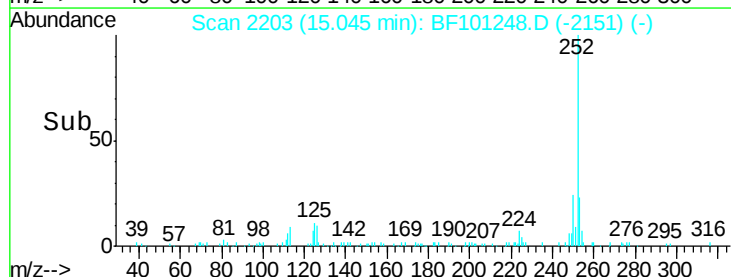
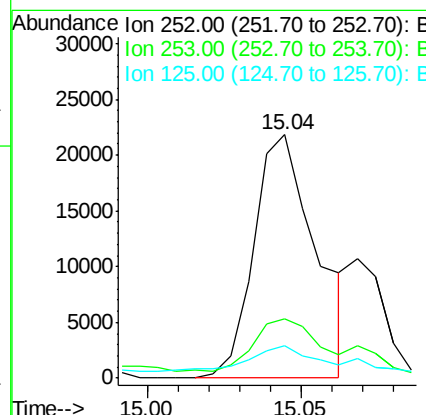
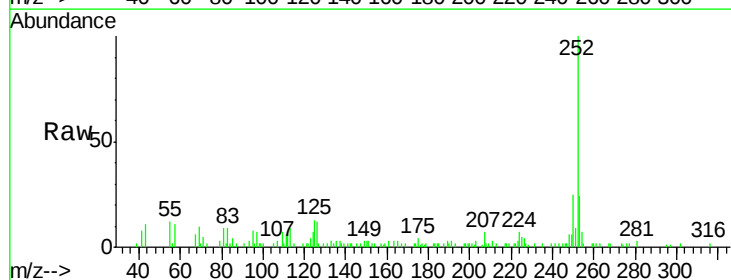
Instrument :
BNA_F
ClientSampleId :
OR-03-120717-B

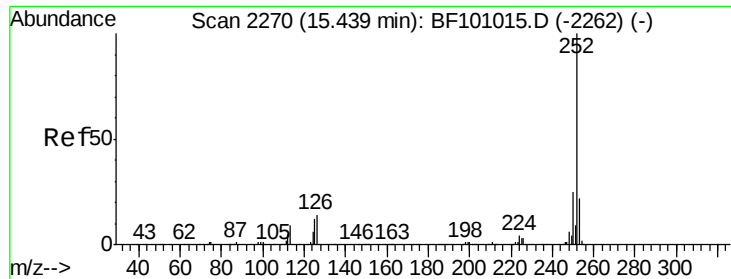
Tot Ion:264 Resp: 80935
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 23.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.379 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101248.D
Acq: 8 Dec 2017 20:52

Tgt Ion:252 Resp: 30925
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 13.1 9.0 13.6





#89

Benzo(a)pyrene

Concen: 4.868 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

Instrument :

BNA_F

ClientSampleId :

OR-03-120717-B

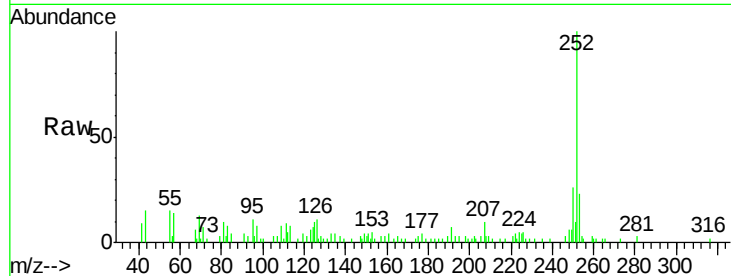
Tot Ion:252 Resp: 21453

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

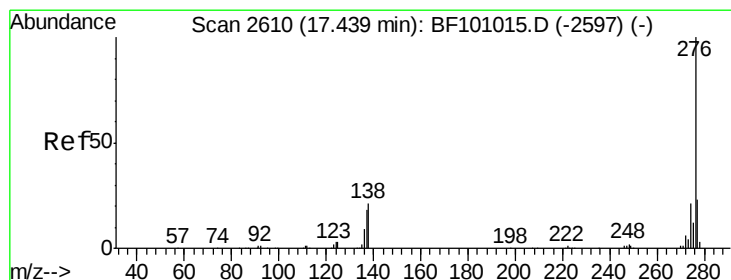
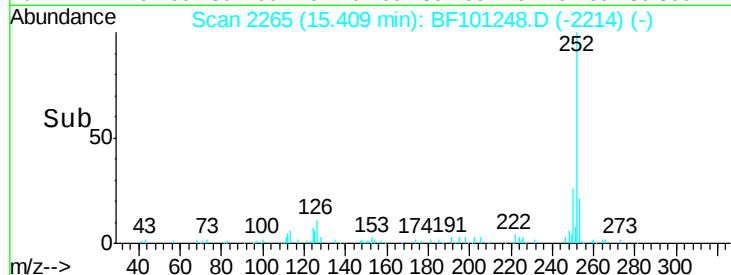
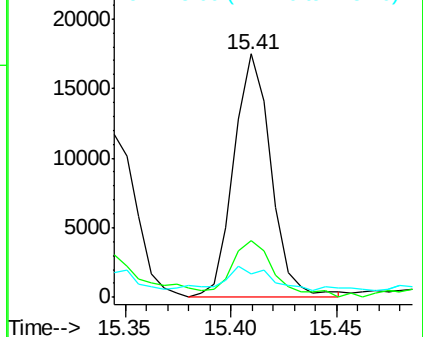
125 9.8 9.8 14.6



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: 3.035 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BF101248.D

Acq: 8 Dec 2017 20:52

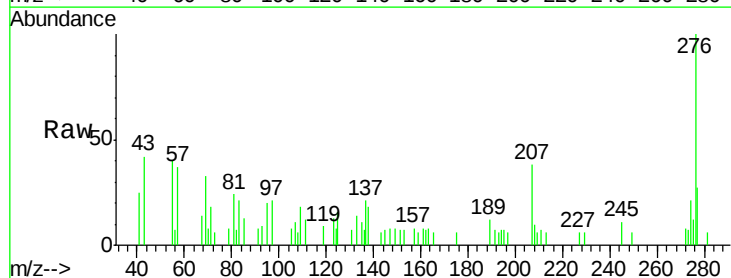
Tgt Ion:276 Resp: 11112

Ion Ratio Lower Upper

276 100

277 27.0 17.9 26.9#

138 18.2 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

