

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104502.D
 Acq On : 14 Apr 2018 3:56
 Operator : JU/SJ
 Sample : J2335-01DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 05:20:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123706	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	490313	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	198785	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	295021	20.00	ng	0.00
75) Chrysene-d12	13.99	240	225604	20.00	ng	0.00
86) Perylene-d12	15.45	264	167876	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	32359	4.00	ng	0.00
7) Phenol-d6	6.44	99	41008	4.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	22852	3.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	6188	3.00	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	41747	3.32	ng	-0.01
78) Terphenyl-d14	12.92	244	29664	3.00	ng	-0.01

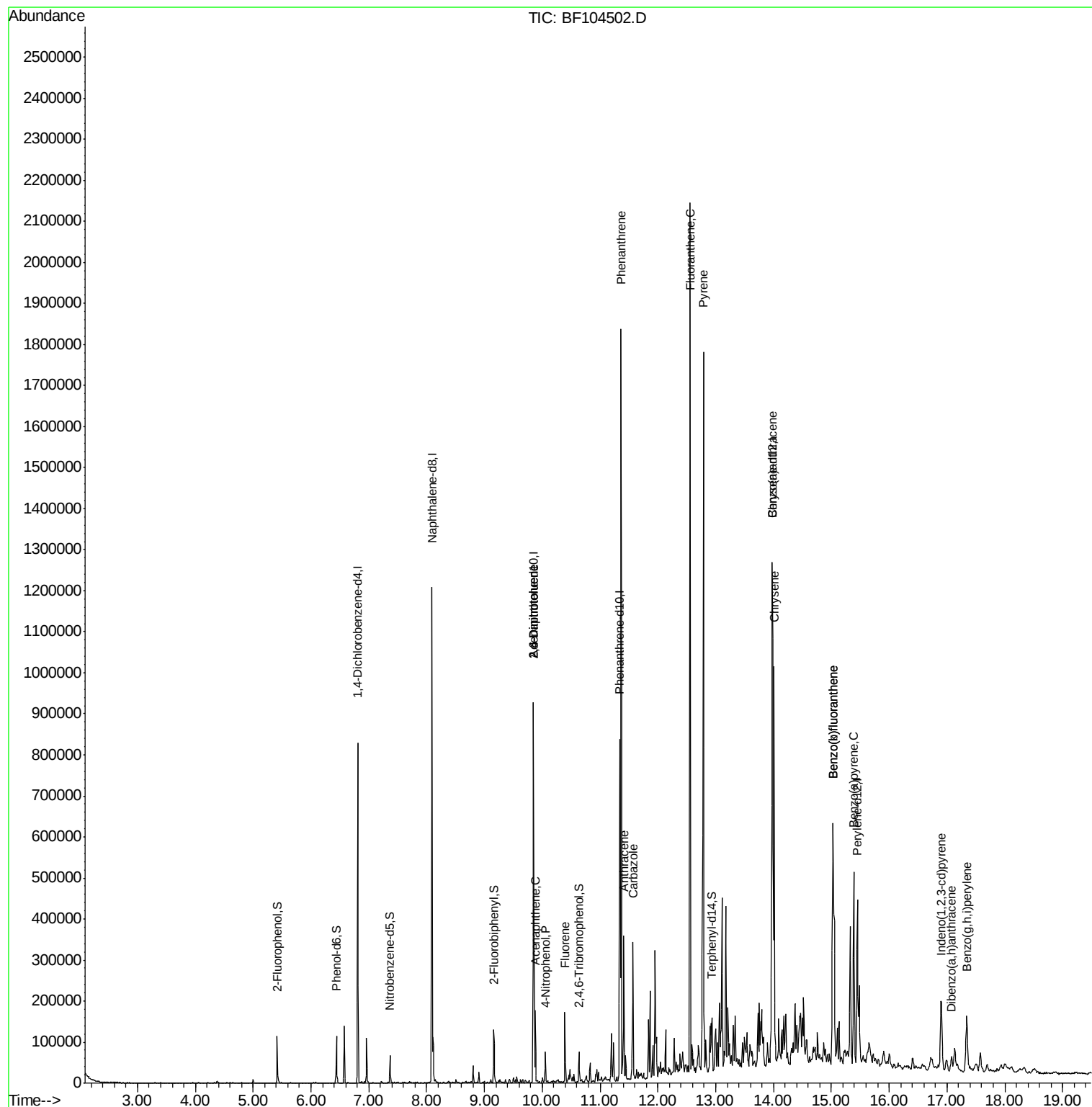
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	585	Below Cal		# 61
50) 2,6-Dinitrotoluene	9.85	165	24868	8.573	ng	# 25
51) Acenaphthene	9.88	154	33752	2.673	ng	# 98
55) 4-Nitrophenol	10.05	139	9840	3.689	ng	# 10
56) 2,4-Dinitrotoluene	9.85	165	24868	6.536	ng	# 23
57) Fluorene	10.39	166	49061	3.830	ng	# 99
70) Phenanthrene	11.36	178	613500	37.341	ng	# 99
71) Anthracene	11.41	178	132104	7.910	ng	# 97
72) Carbazole	11.57	167	114480	7.015	ng	# 98
74) Fluoranthene	12.56	202	810162	47.197	ng	# 97
76) Benzydine	12.68	184	888	Below Cal		# 66
77) Pvrene	12.79	202	684702	40.945	ng	# 100
80) Benzo(a)anthracene	13.97	228	355549	26.380	ng	# 99
82) Chrysene	14.01	228	336164	24.283	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.90	276	112601	9.575	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	449492	42.394	ng	# 98
88) Benzo(k)fluoranthene	15.03	252	449492	44.905	ng	# 99
89) Benzo(a)pyrene	15.39	252	225071	23.725	ng	# 98
90) Dibenzo(a,h)anthracene	17.08	278	20861	2.677	ng	# 95
91) Benzo(a,h,i)perylene	17.34	276	106256	14.076	ng	# 96

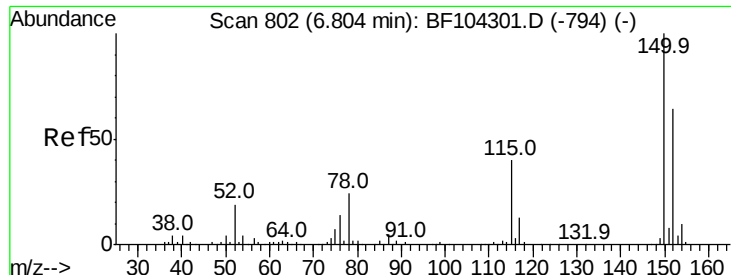
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104502.D
Acq On : 14 Apr 2018 3:56
Operator : JU/SJ
Sample : J2335-01DL 25X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 14 05:20:01 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 13 17:38:31 2018
Response via : Initial Calibration



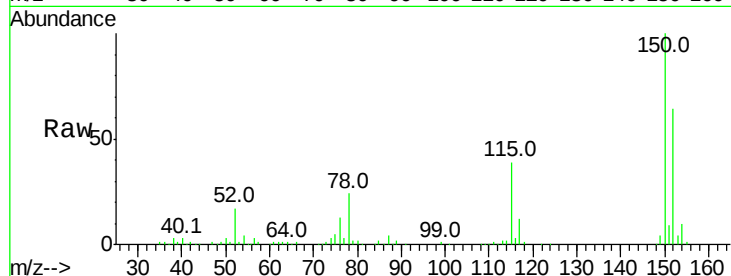


#1

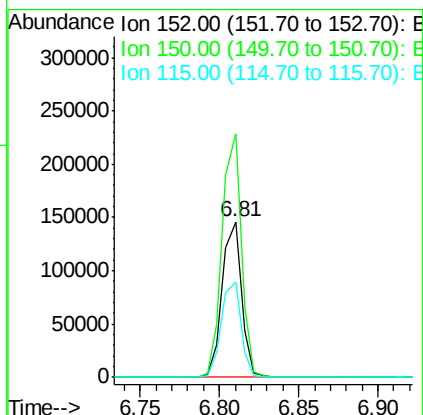
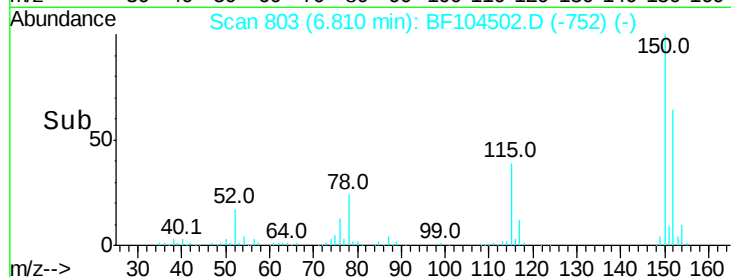
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 123706
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 60.8 50.1 75.1



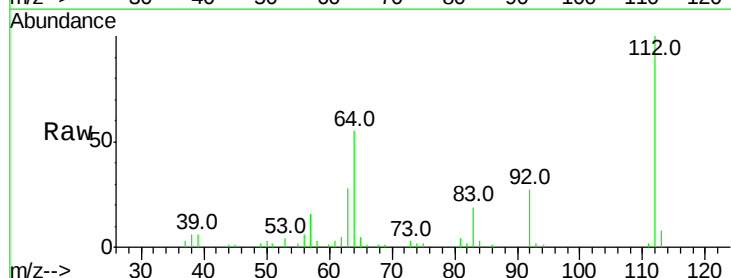
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



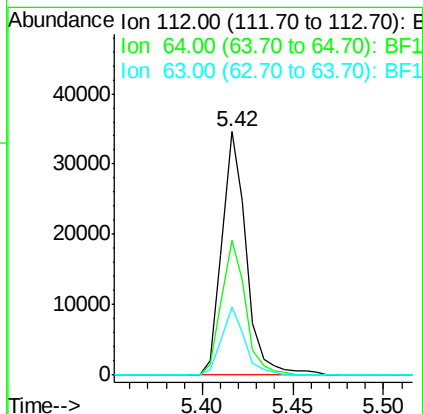
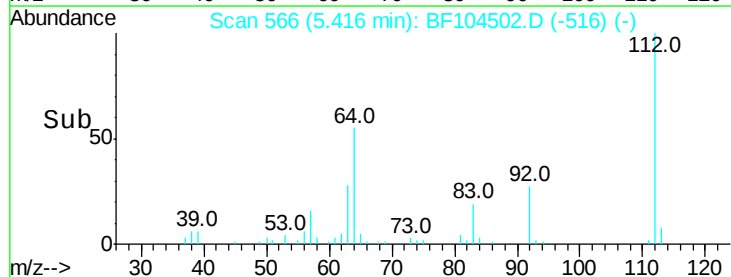
#5

2-Fluorophenol
Concen: 4.000 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion:112 Resp: 32359
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 27.8 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: 4.125 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

ClientSampleId :

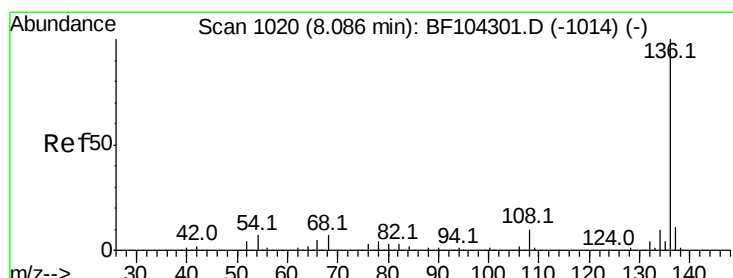
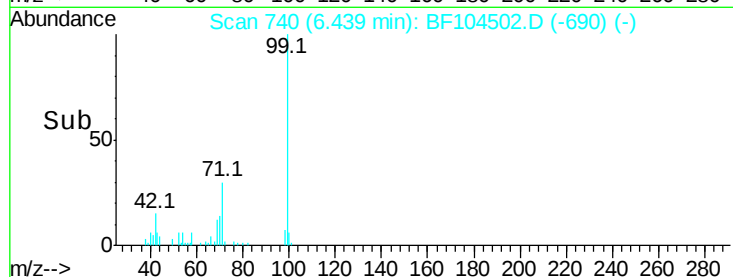
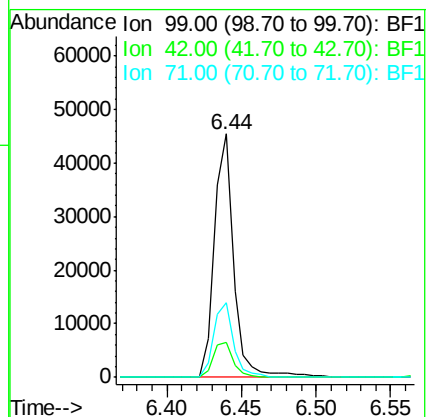
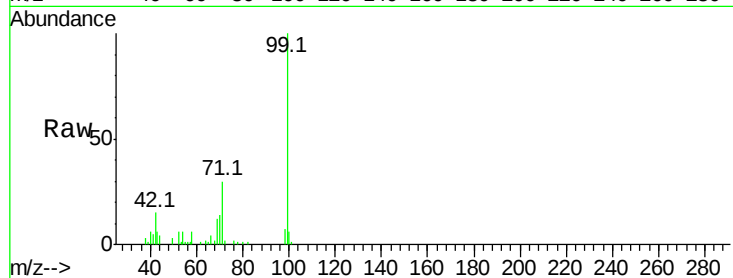
Tot Ion: 99 Resp: 41008

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 30.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Tgt Ion: 136 Resp: 490313

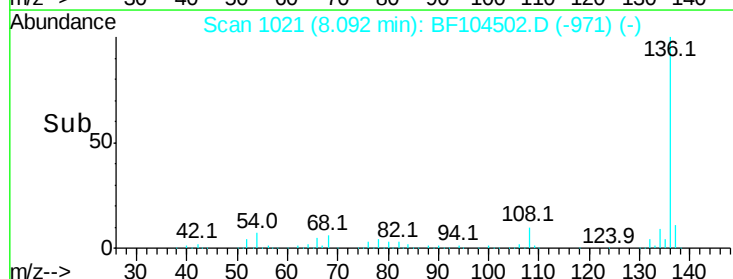
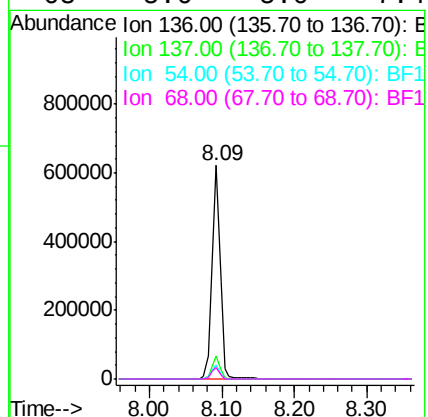
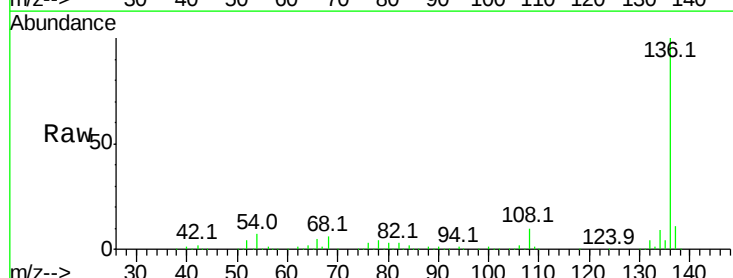
Ion Ratio Lower Upper

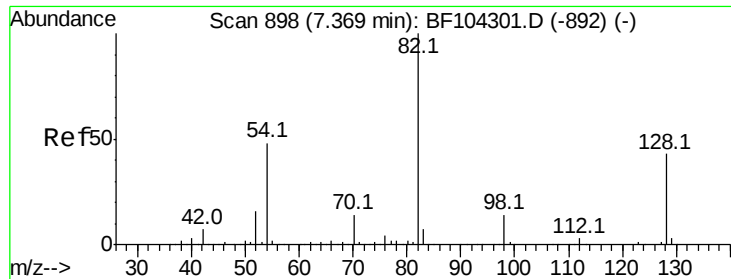
136 100

137 10.8 8.9 13.3

54 6.6 6.6 9.8#

68 5.6 5.0 7.4

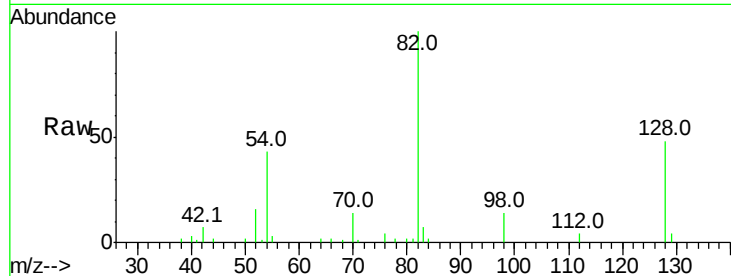




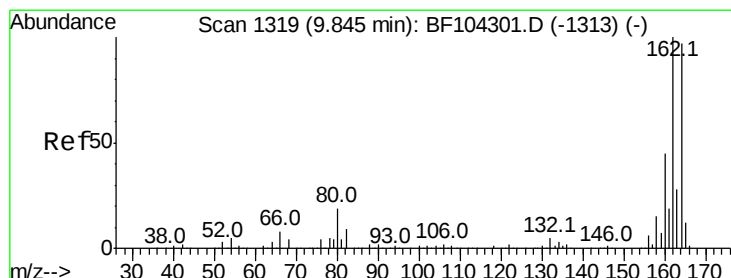
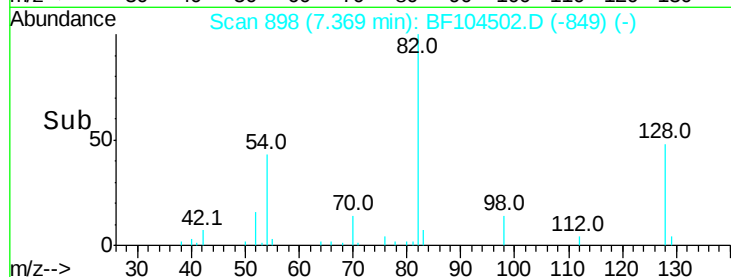
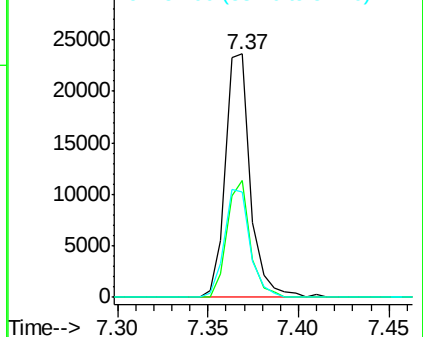
#23
 Nitrobenzene-d5
 Concen: 3.043 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 22852
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.1 54.1
 54 43.1 41.4 62.2

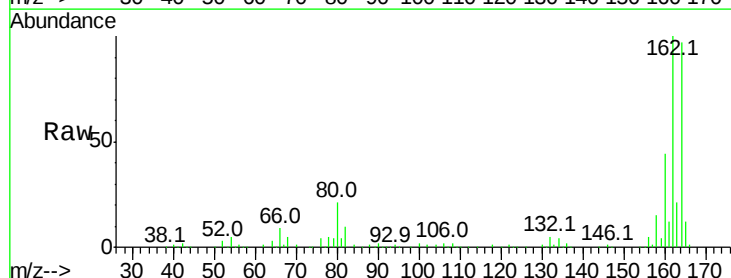


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

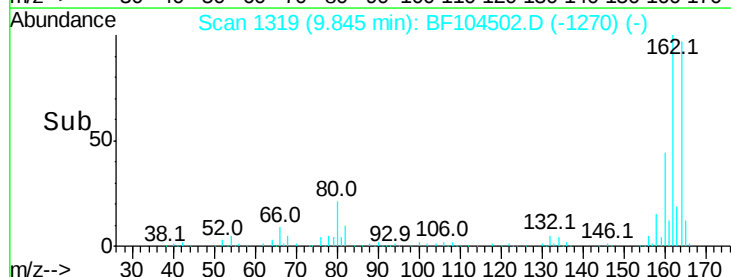
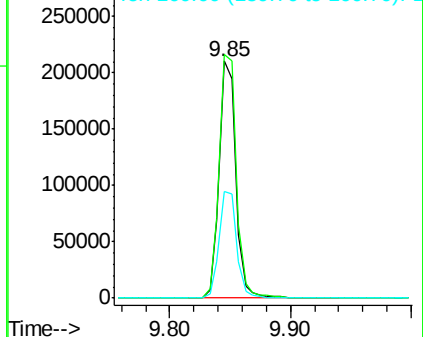


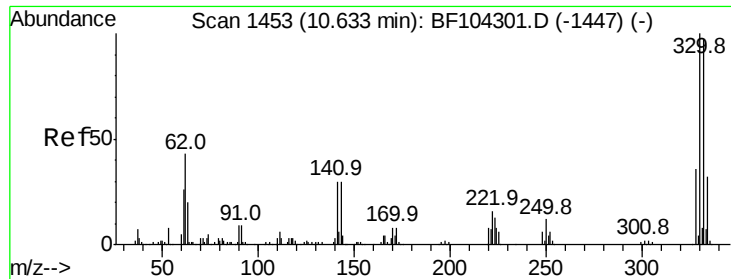
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Tgt Ion:164 Resp: 198785
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 45.3 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

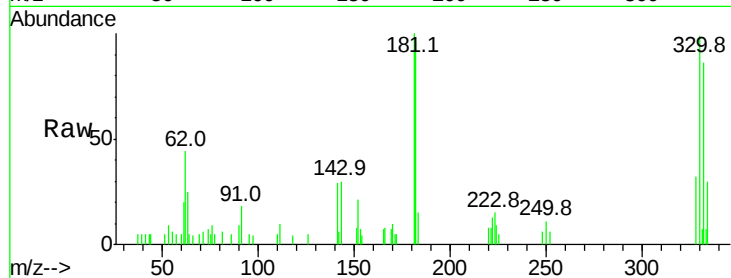




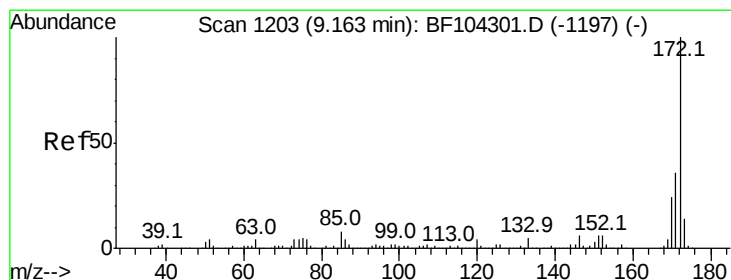
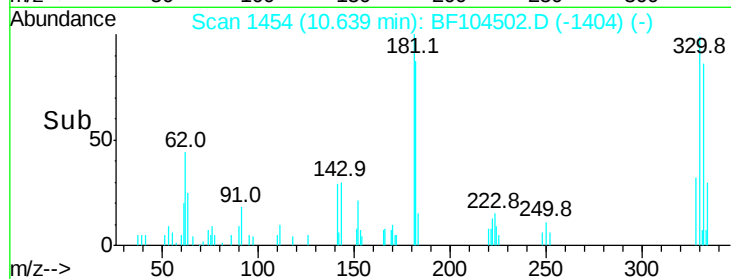
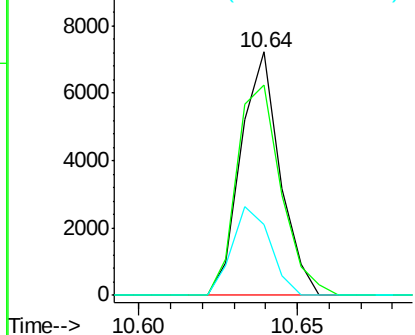
#41
 2,4,6-Tribromophenol
 Concen: 3.001 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 6188
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 35.3 29.9 44.9

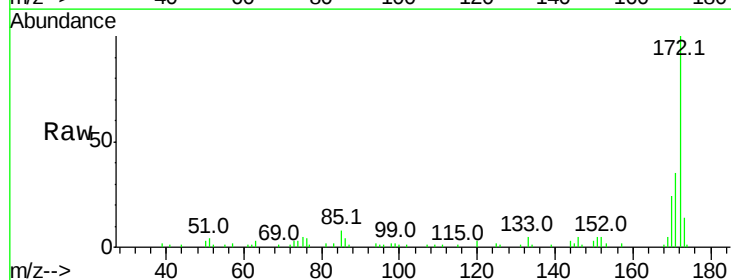


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

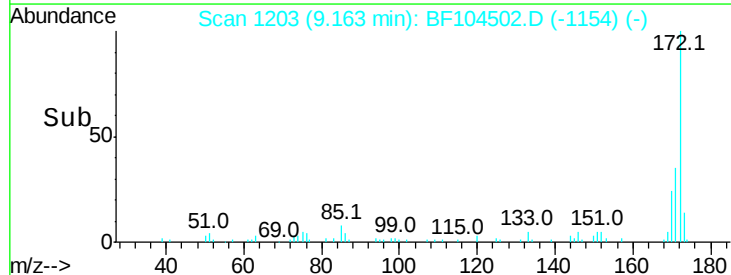
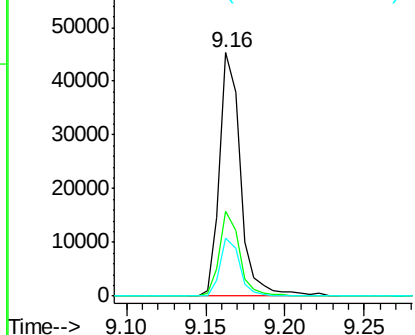


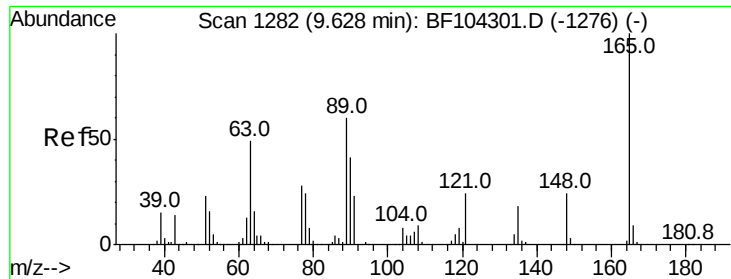
#44
 2-Fluorobiphenyl
 Concen: 3.318 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Tgt Ion:172 Resp: 41747
 Ion Ratio Lower Upper
 172 100
 171 34.8 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

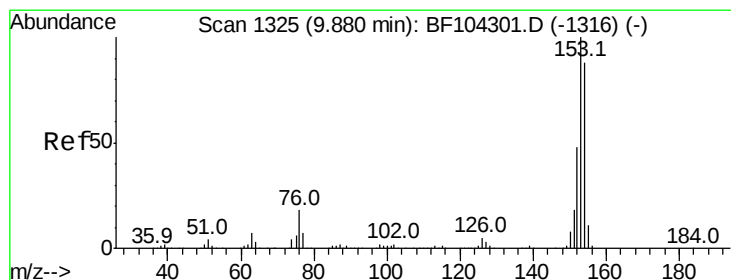
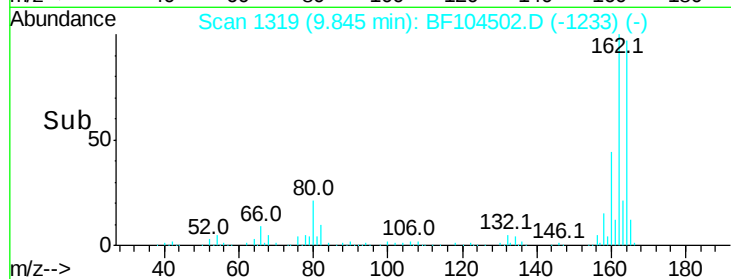
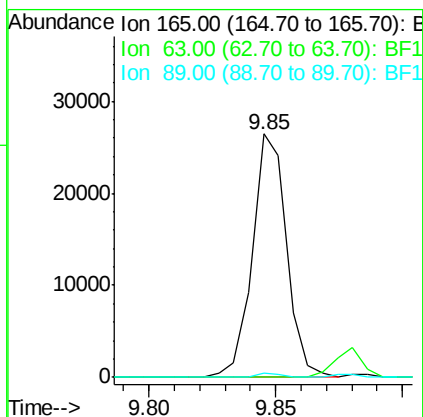
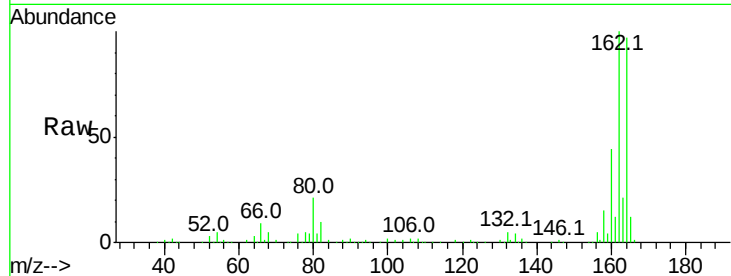




#50
 2,6-Dinitrotoluene
 Concen: 8.573 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

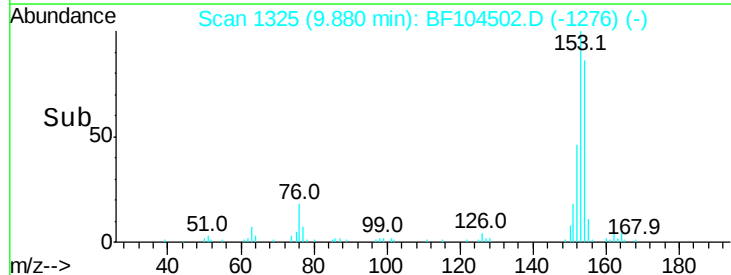
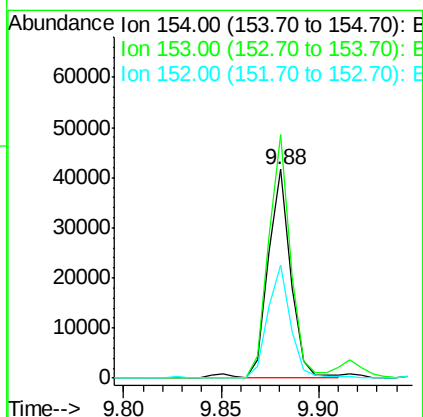
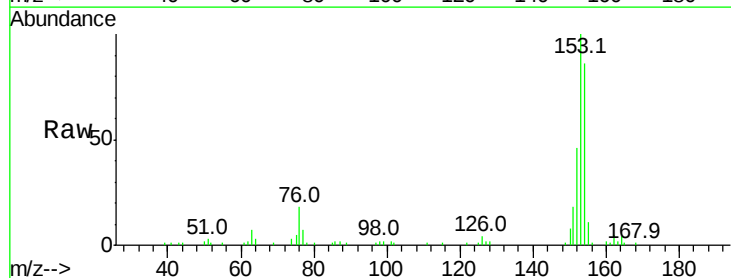
Instrument :
 BNA_F
 ClientSampleId :

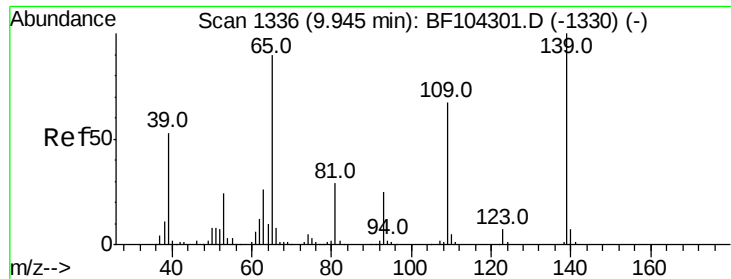
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.9	44.0	66.0#



#51
 Acenaphthene
 Concen: 2.673 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	91.2	136.8
152	54.1	43.8	65.8





#55

4-Nitrophenol

Concen: 3.689 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.08 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

ClientSampleId :

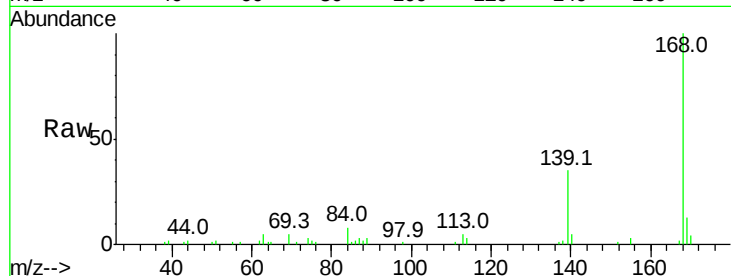
Tot Ion:139 Resp: 9840

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

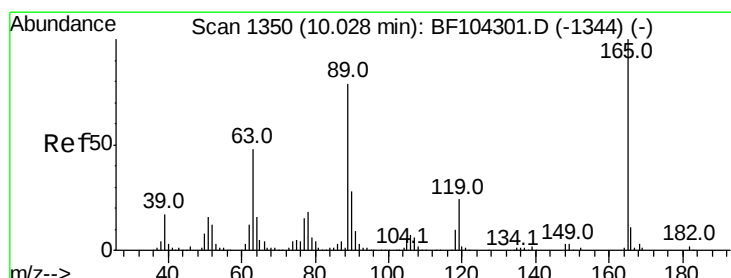
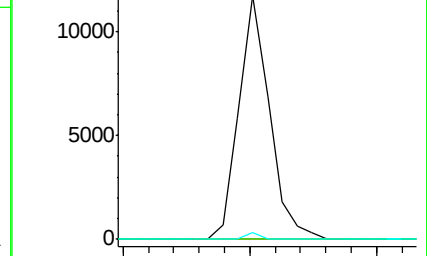
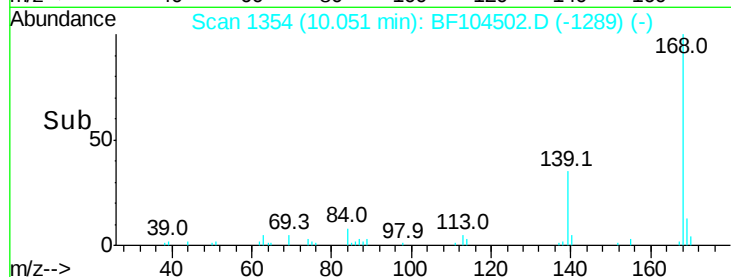
65 2.7 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.536 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Tgt Ion:165 Resp: 24868

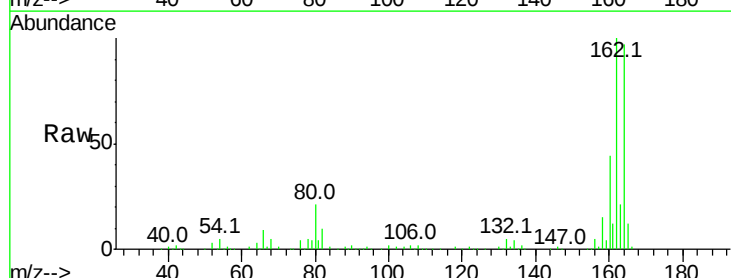
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

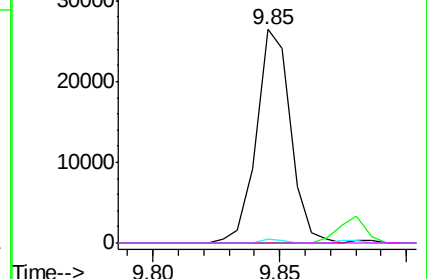
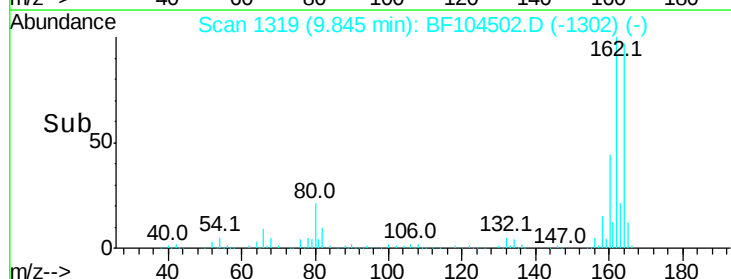


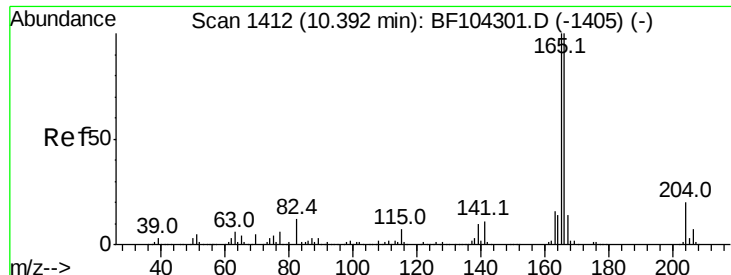
Abundance Ion 165.00 (164.70 to 165.70): E

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

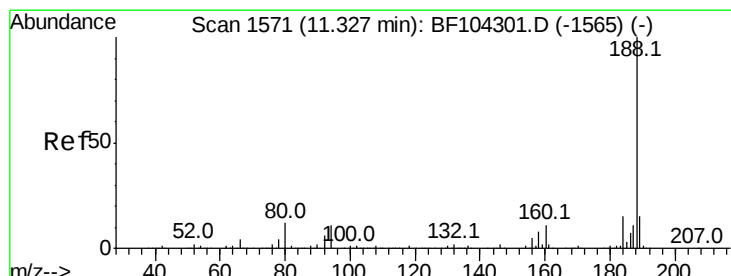
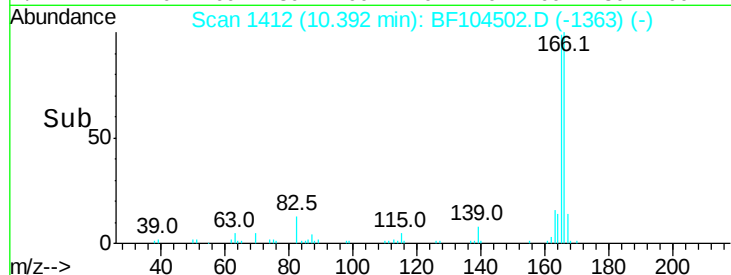
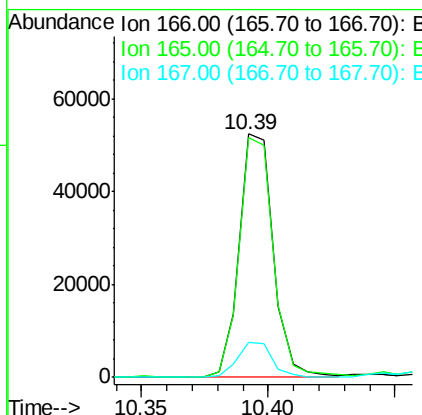
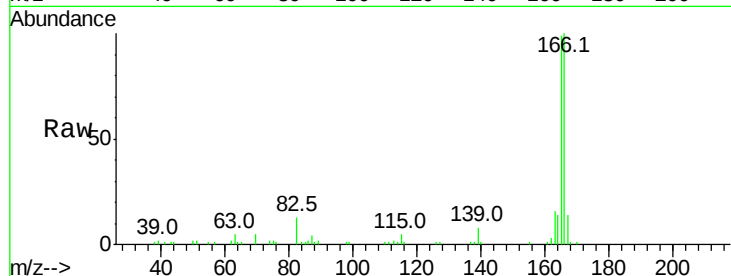




#57
Fluorene
 Concen: 3.830 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

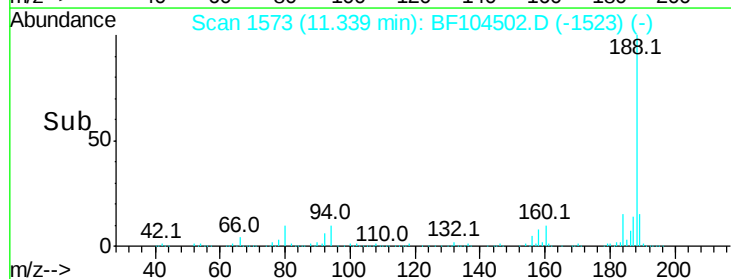
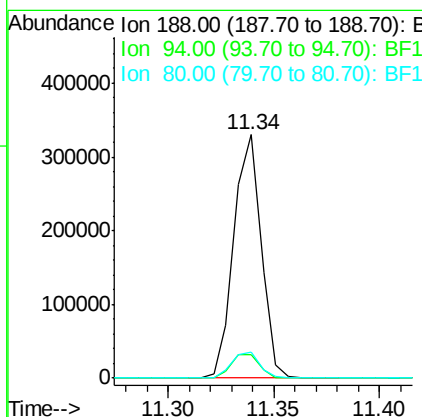
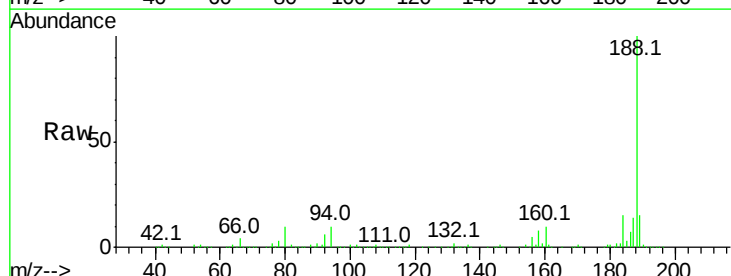
Instrument :
 BNA_F
 ClientSampleId :

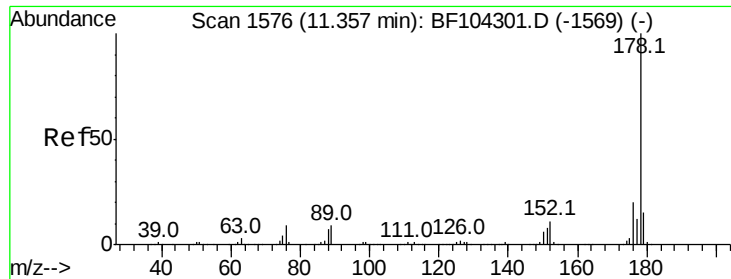
Tot Ion:166 Resp: 49061
 Ion Ratio Lower Upper
 166 100
 165 98.7 79.8 119.8
 167 14.4 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Tgt Ion:188 Resp: 295021
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.5 9.2 13.8

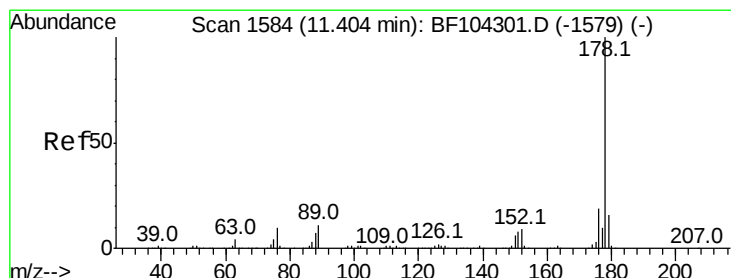
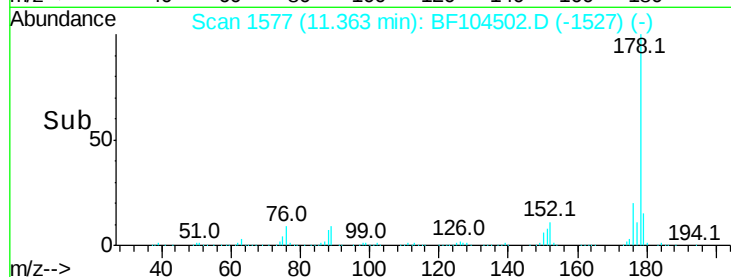
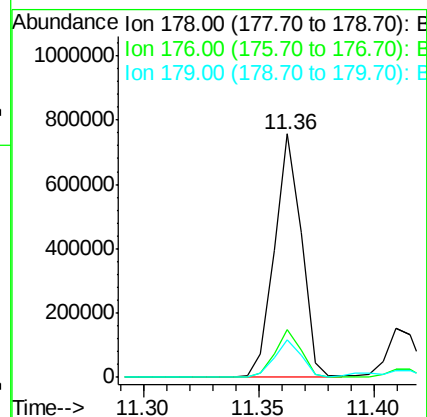
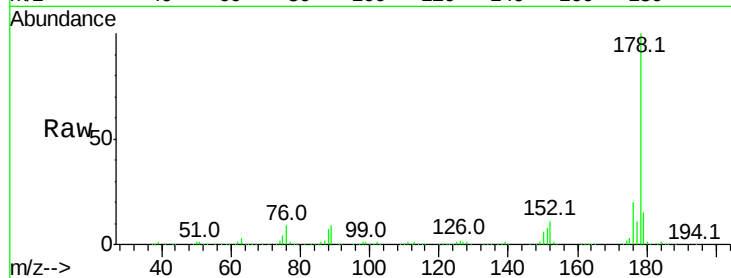




#70
Phenanthrene
Concen: 37.341 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

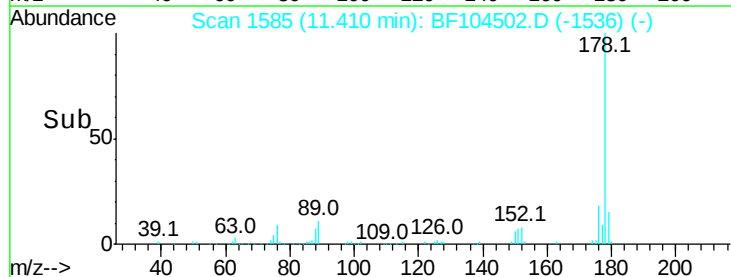
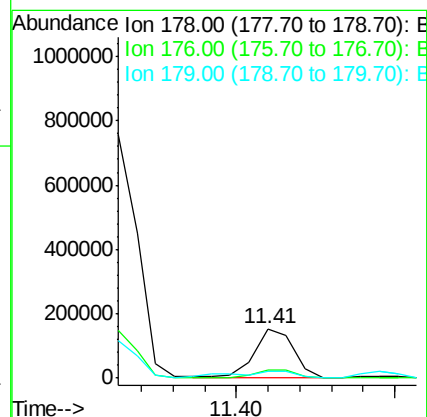
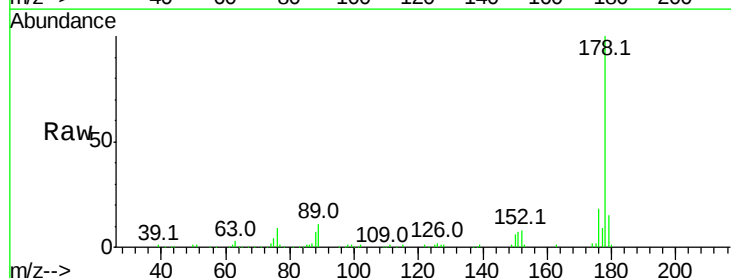
Instrument :
BNA_F
ClientSampleId :

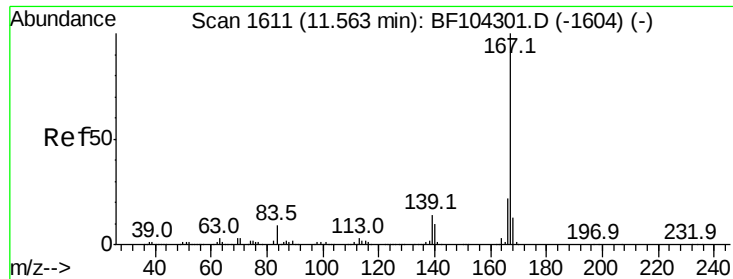
Tot Ion:178 Resp: 613500
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.3 13.0 19.6



#71
Anthracene
Concen: 7.910 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion:178 Resp: 132104
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 15.0 12.6 19.0





#72

Carbazole

Concen: 7.015 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

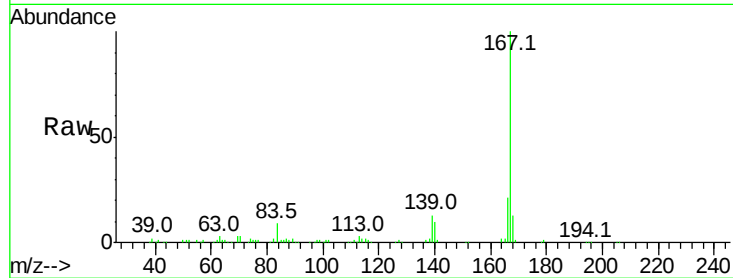
Instrument :

BNA_F

ClientSampleId :

Tot Ion:167 Resp: 114480

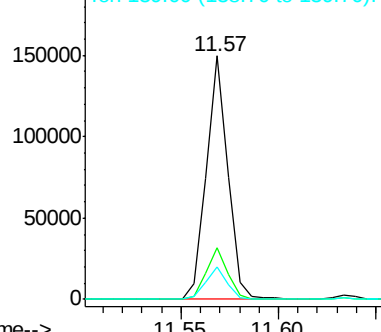
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.2	10.9	16.3



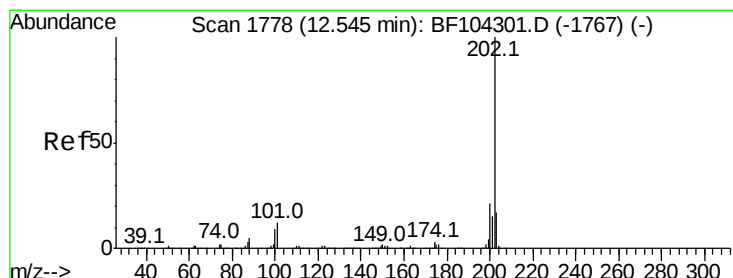
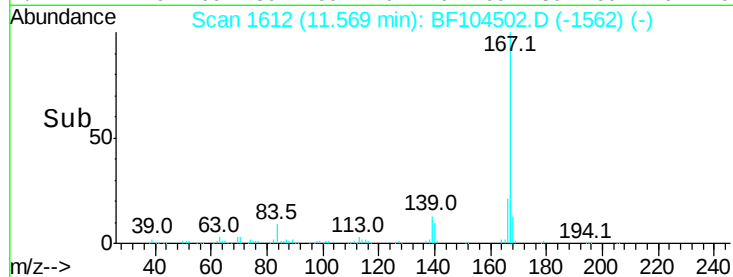
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 47.197 ng

RT: 12.56 min Scan# 1780

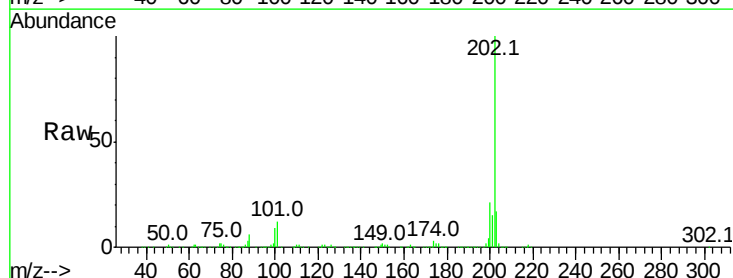
Delta R.T. -0.00 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Tgt Ion:202 Resp: 810162

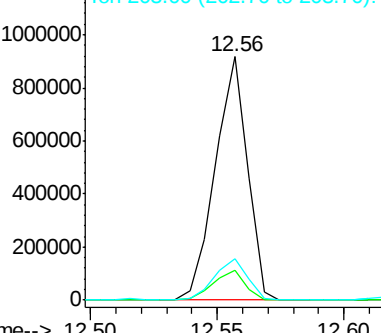
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.1	0.0	38.1



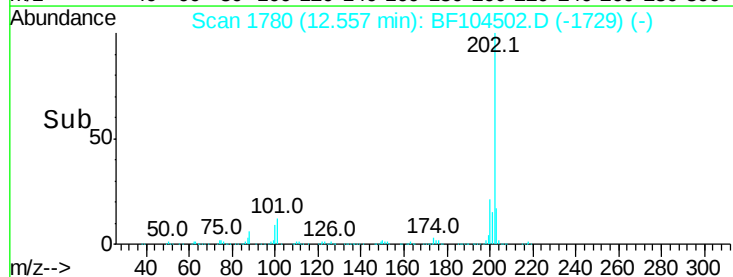
Abundance Ion 202.00 (201.70 to 202.70): E

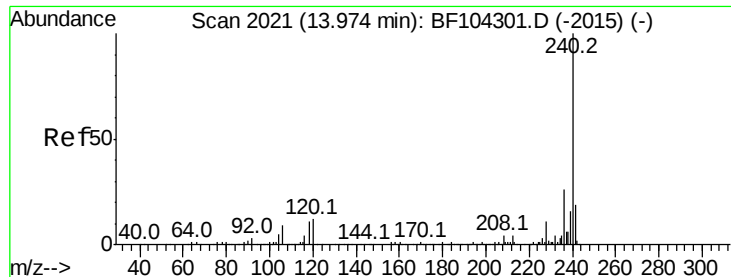
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

ClientSampleId :

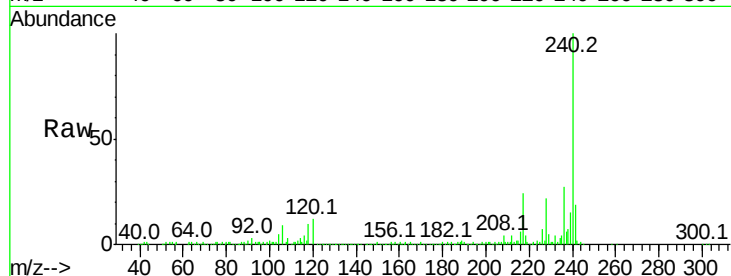
Tot Ion:240 Resp: 225604

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

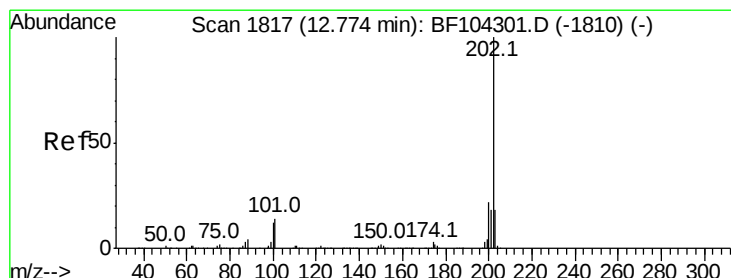
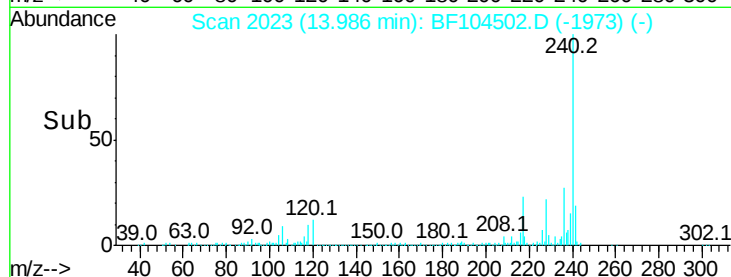
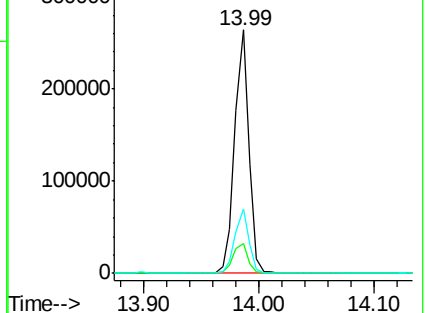
236 26.7 20.7 31.1



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

Pyrene

Concen: 40.945 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

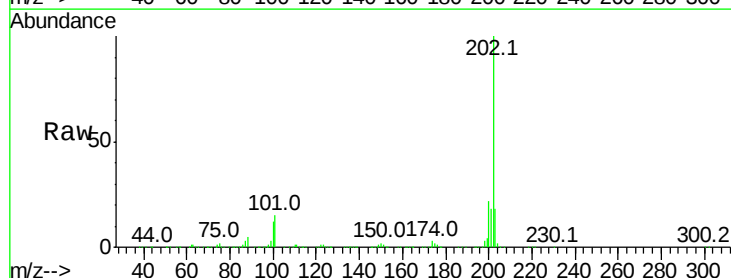
Tgt Ion:202 Resp: 684702

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

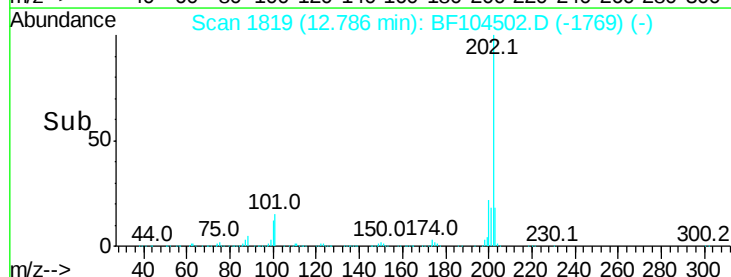
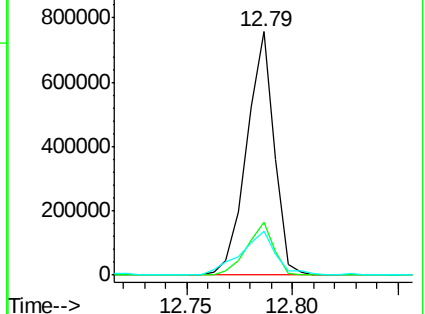
203 17.8 14.3 21.5

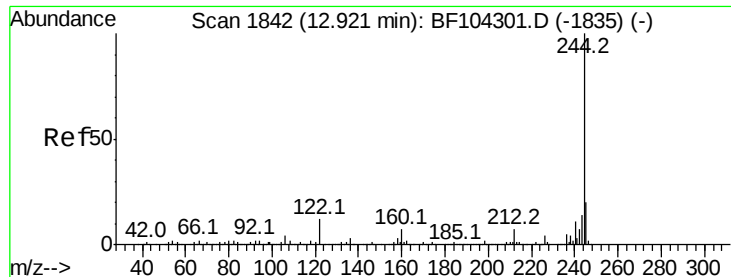


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

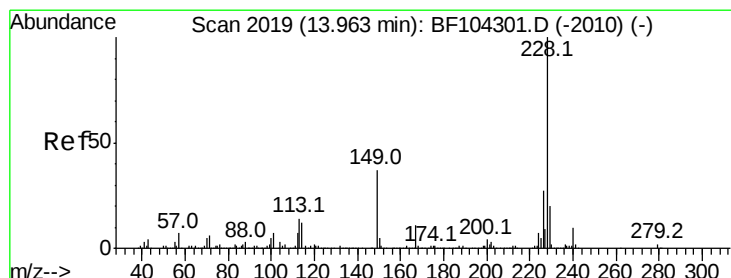
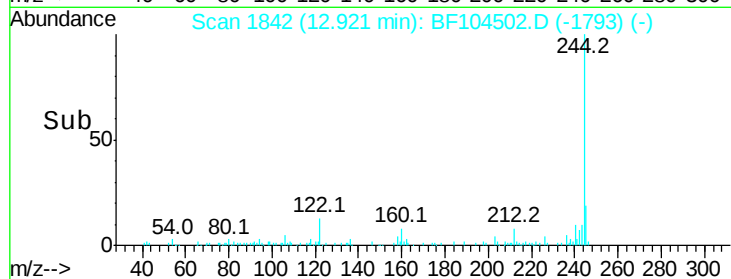
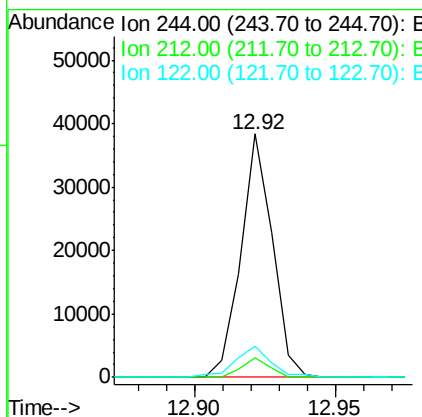
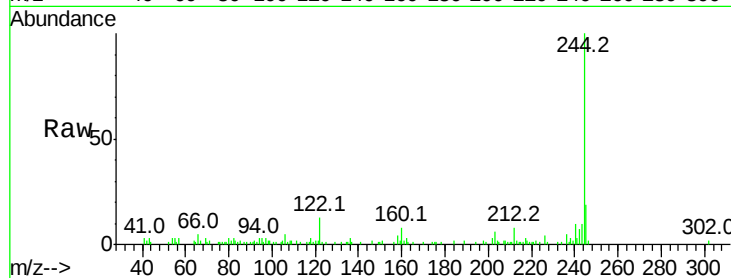




#78
 Terphenyl-d14
 Concen: 2.998 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

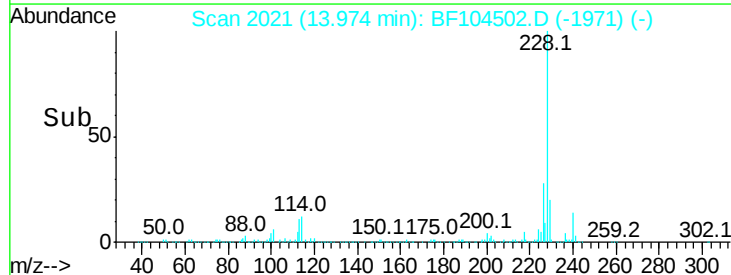
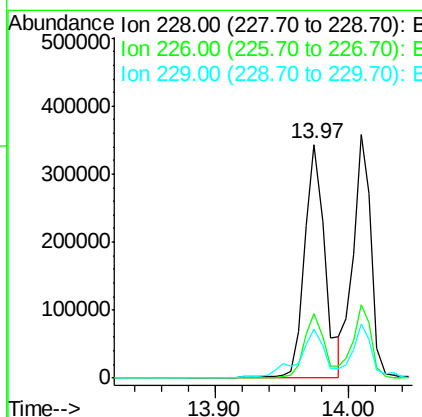
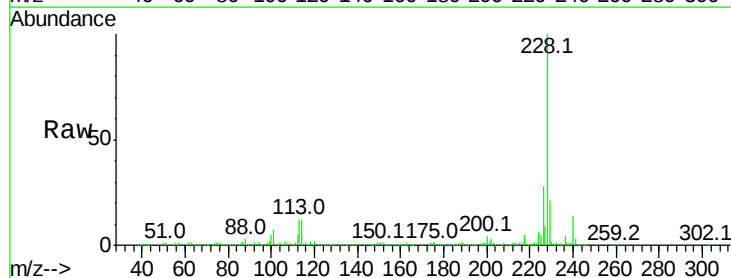
Instrument :
 BNA_F
 ClientSampled :

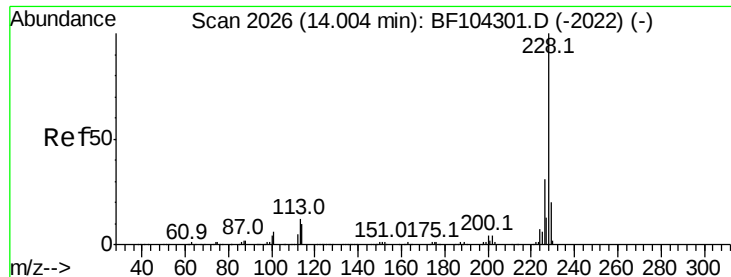
Tot Ion:244 Resp: 29664
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.4 8.0
 122 12.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 26.380 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Tgt Ion:228 Resp: 355549
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 33.8
 229 20.8 15.8 23.6

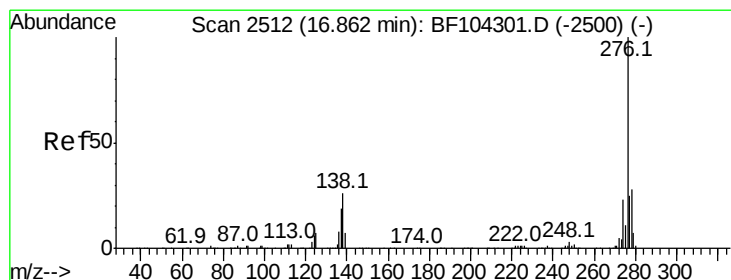
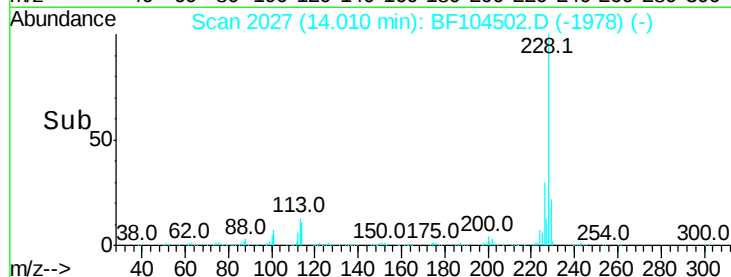
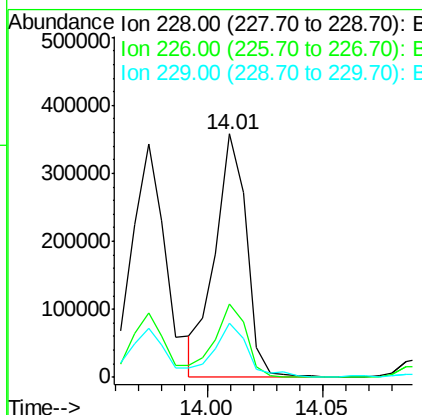
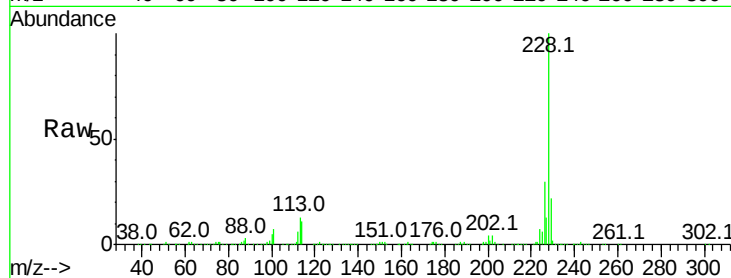




#82
Chrysene
Concen: 24.283 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

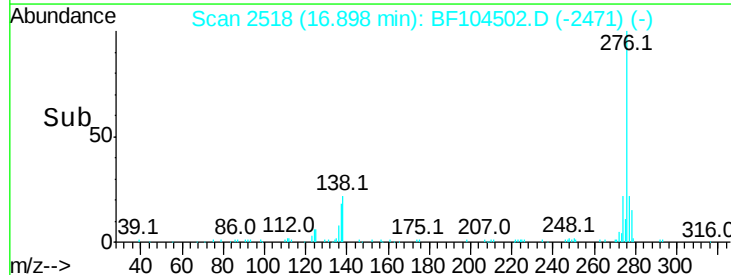
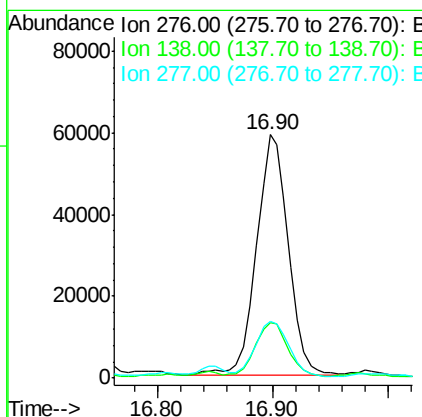
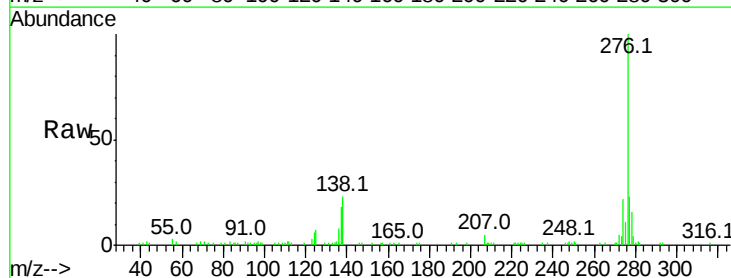
Instrument :
BNA_F
ClientSampled :

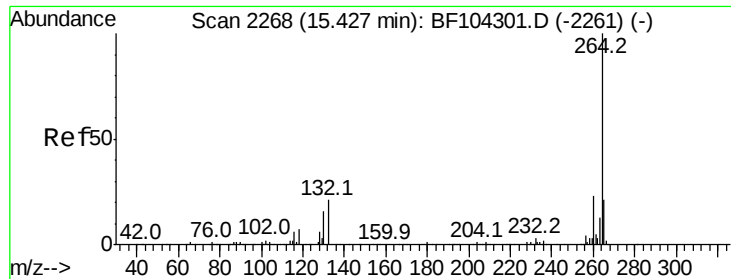
Tot Ion:228 Resp: 336164
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 22.1 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.575 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion:276 Resp: 112601
Ion Ratio Lower Upper
276 100
138 23.4 25.0 37.6#
277 24.3 20.1 30.1

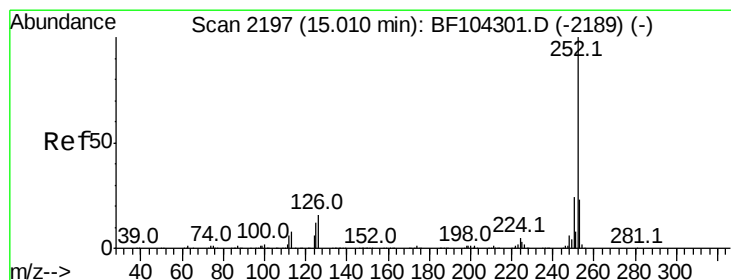
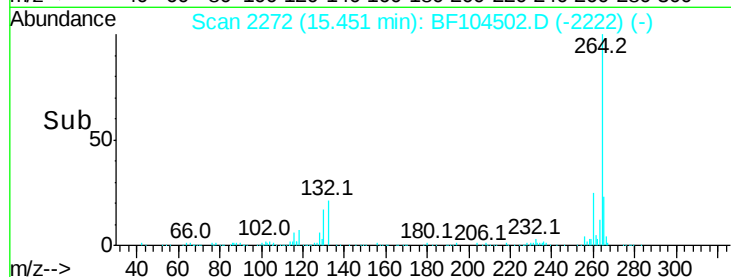
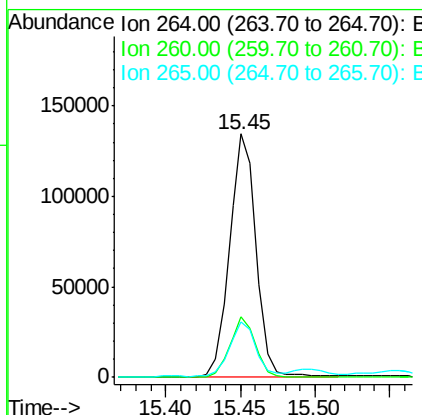
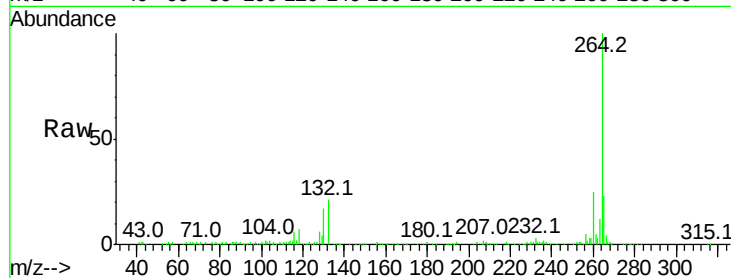




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

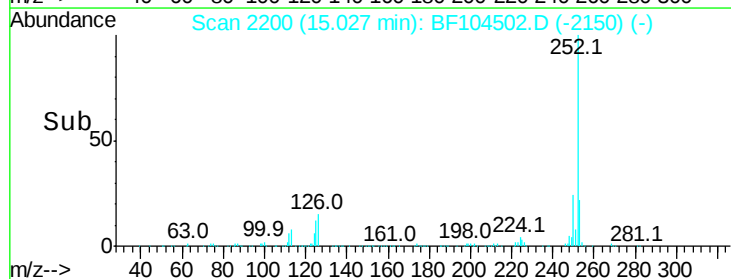
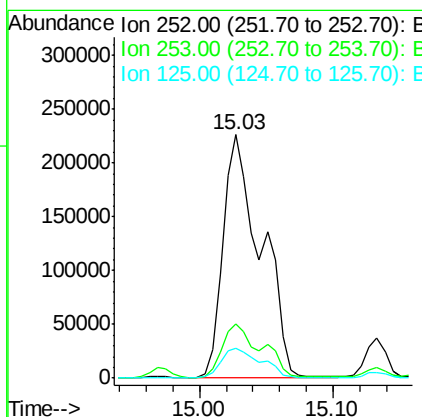
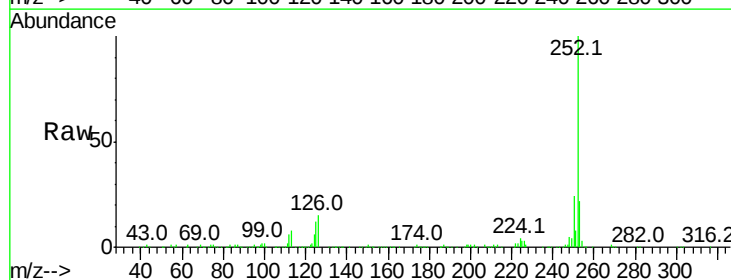
Instrument :
BNA_F
ClientSampleId :

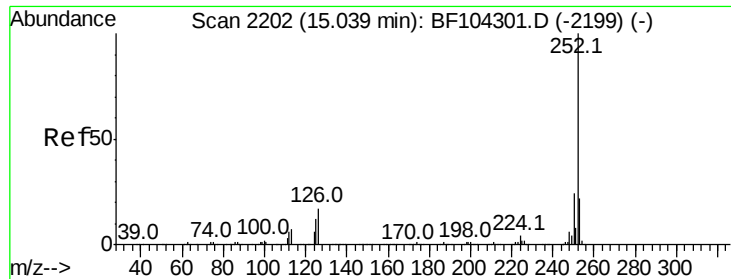
Tot Ion:264 Resp: 167876
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 23.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 42.394 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion:252 Resp: 449492
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 12.2 9.0 13.6

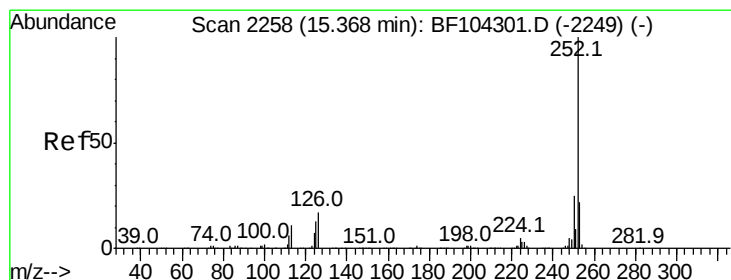
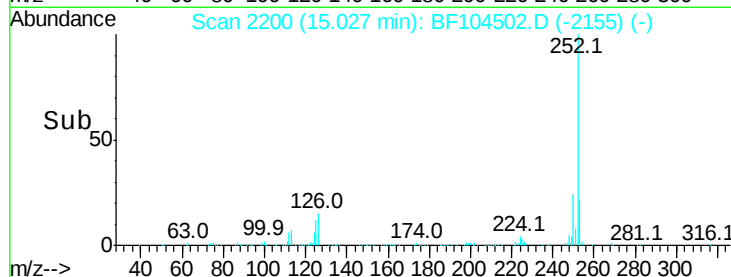
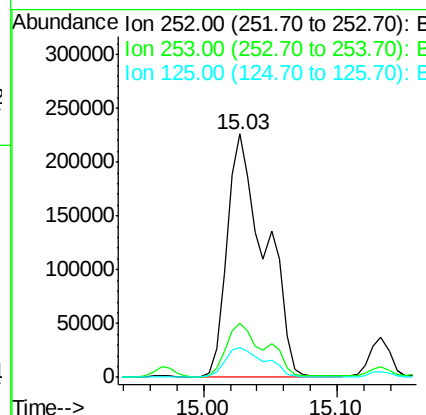
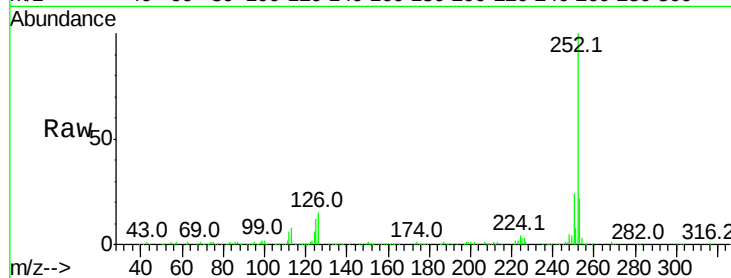




#88
Benzo(k)fluoranthene
Concen: 44.905 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

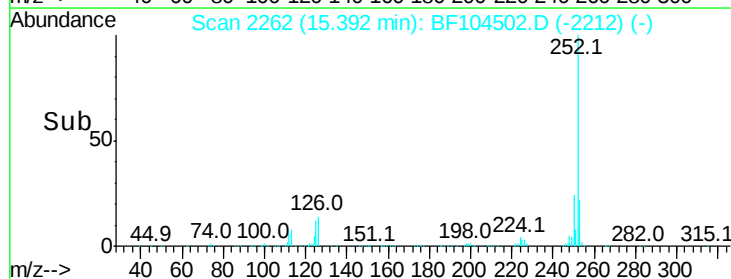
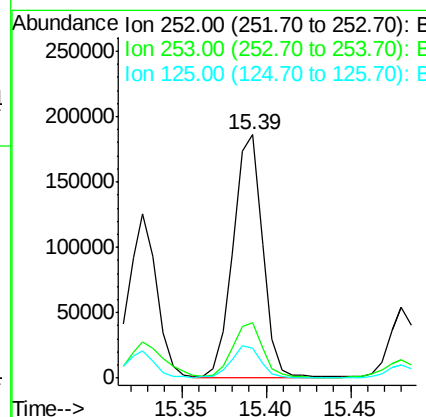
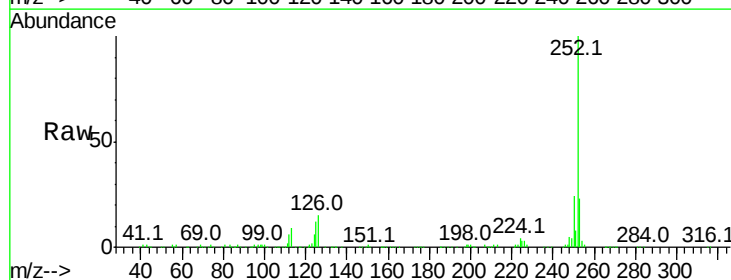
Instrument :
BNA_F
ClientSampleId :

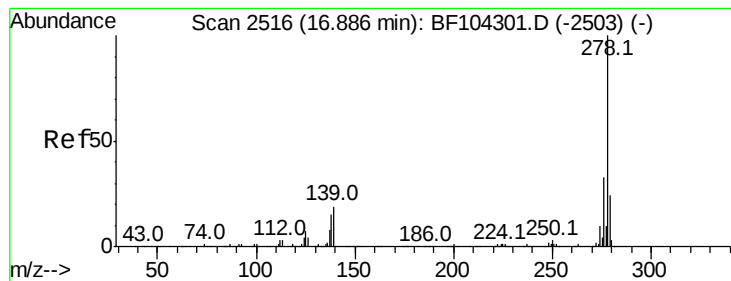
Tot Ion:252 Resp: 449492
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 12.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 23.725 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion:252 Resp: 225071
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 12.1 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.677 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.14 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

ClientSampleId :

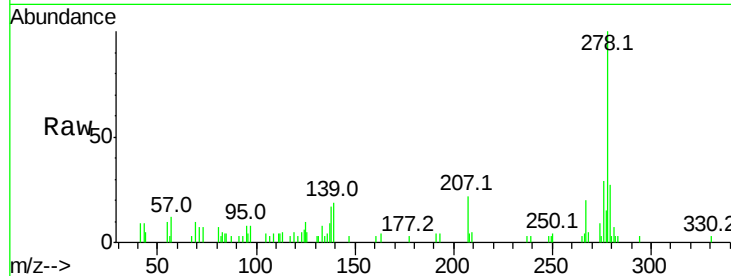
Tot Ion:278 Resp: 20861

Ion Ratio Lower Upper

278 100

139 18.8 15.9 23.9

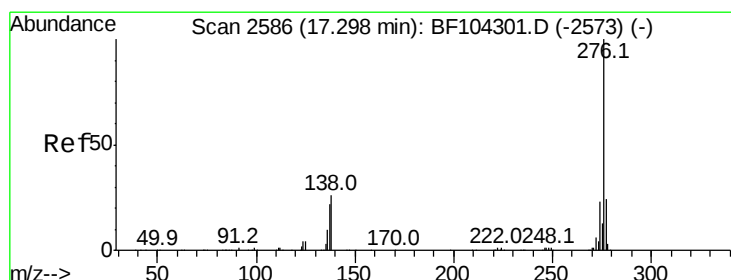
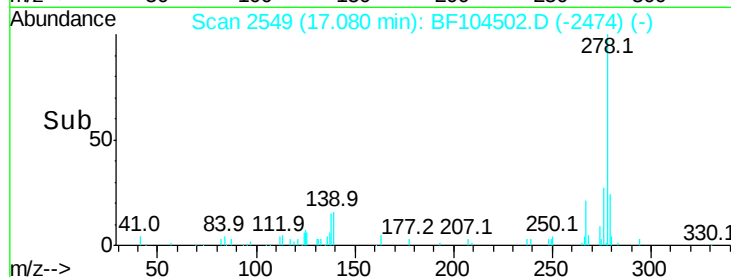
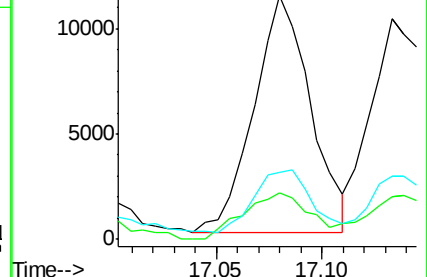
279 27.3 19.0 28.4



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: 14.076 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

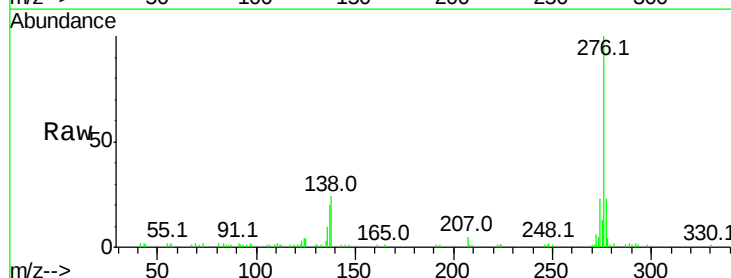
Tgt Ion:276 Resp: 106256

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 24.5 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

