

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098918.D
 Acq On : 28 Sep 2017 20:35
 Operator : SJ/JU
 Sample : I5448-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:45:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	161226	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	652929	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	259551	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	366552	20.00	ng	0.00
75) Chrysene-d12	14.08	240	246688	20.00	ng	0.00
86) Perylene-d12	15.58	264	265721	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1116396	110.23	ng	0.00
7) Phenol-d6	6.55	99	1335625	106.90	ng	0.00
23) Nitrobenzene-d5	7.48	82	836873	82.20	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	206156	97.07	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1343049	86.38	ng	0.00
78) Terphenyl-d14	13.03	244	788092	72.65	ng	0.00

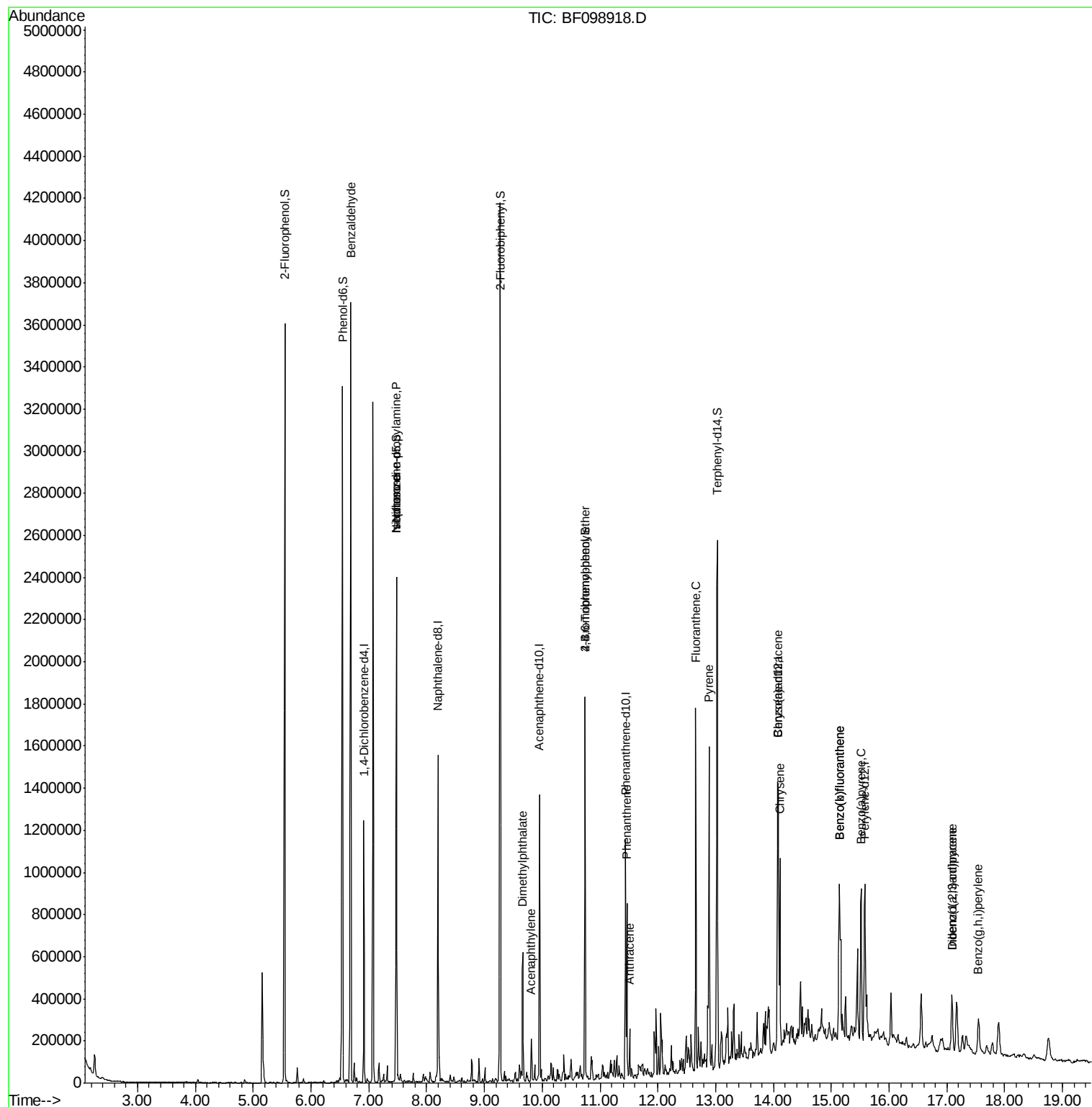
Target Compounds				Qvalue		
9) Benzaldehyde	6.69	77	24406	3.37	ng	85
19) n-Nitroso-di-n-propylamine	7.48	70	112468	14.10	ng	# 77
25) Isophorone	7.48	82	831894	39.52	ng	# 64
48) Acenaphthylene	9.82	152	78914	3.08	ng	98
49) Dimethylphthalate	9.66	163	229205	11.70	ng	100
66) 4-Bromophenyl-phenylether	10.75	248	13995	3.90	ng	# 1
70) Phenanthrene	11.46	178	274278	13.98	ng	98
71) Anthracene	11.52	178	80035	3.99	ng	97
74) Fluoranthene	12.66	202	603760	30.39	ng	98
77) Pyrene	12.89	202	560153	29.78	ng	99
80) Benzo(a)anthracene	14.07	228	365904	24.50	ng	95
82) Chrysene	14.11	228	312750	21.99	ng	98
85) Indeno(1,2,3-cd)pyrene	17.09	276	157688	13.86	ng	99
87) Benzo(b)fluoranthene	15.14	252	570541	34.92	ng	# 95
88) Benzo(k)fluoranthene	15.14	252	570541	35.36	ng	97
89) Benzo(a)pyrene	15.52	252	324061	21.61	ng	98
90) Dibenzo(a,h)anthracene	17.09	278	50726	4.23	ng	# 84
91) Benzo(g,h,i)perylene	17.54	276	127932	10.78	ng	96

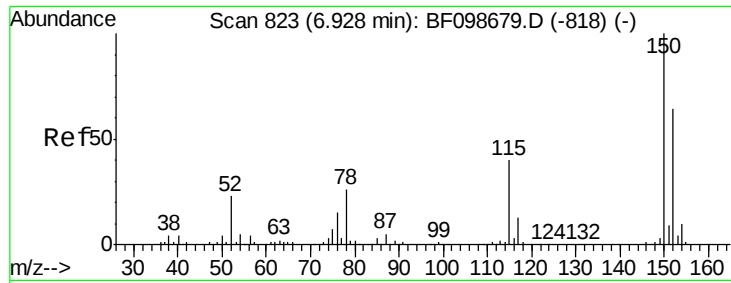
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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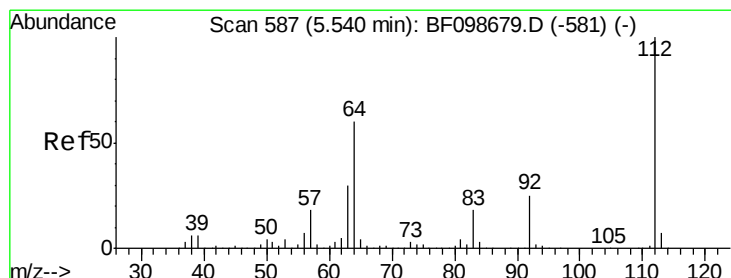
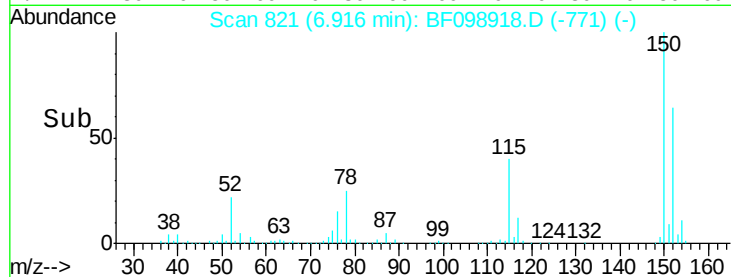
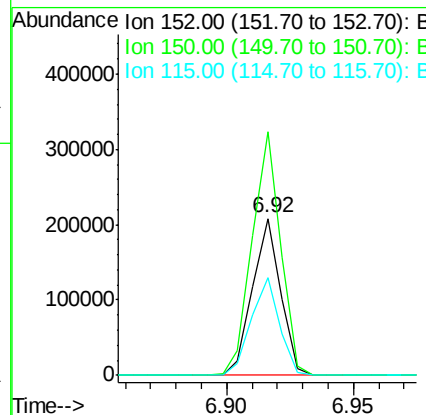
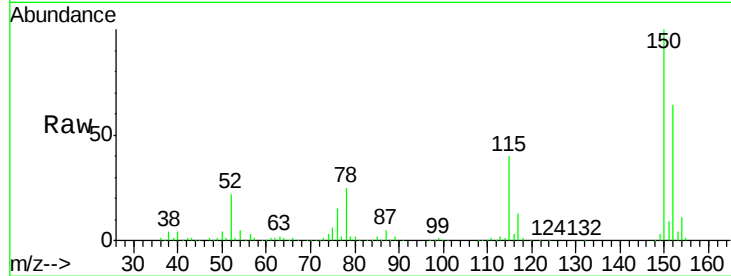


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Instrument :
BNA_F
ClientSampleId :

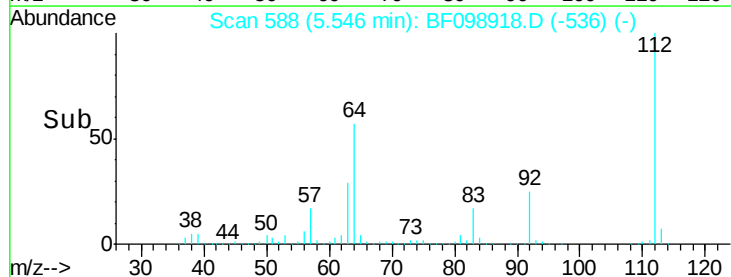
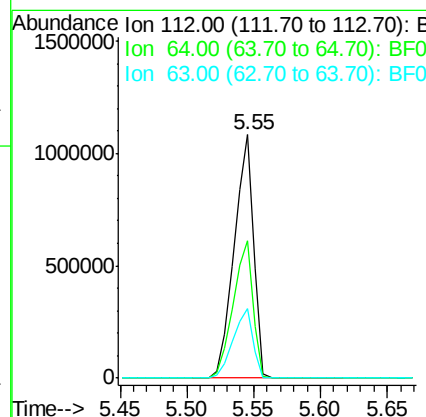
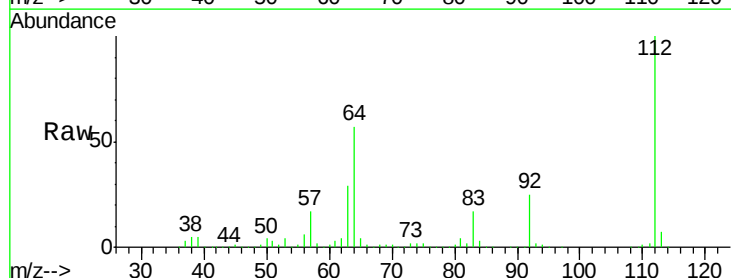
Tot Ion:152 Resp: 161226
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 62.6 50.1 75.1



#5

2-Fluorophenol
Concen: 110.23 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:112 Resp: 1116396
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.7 23.7 35.5





#7

Phenol-d6

Concen: 106.90 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

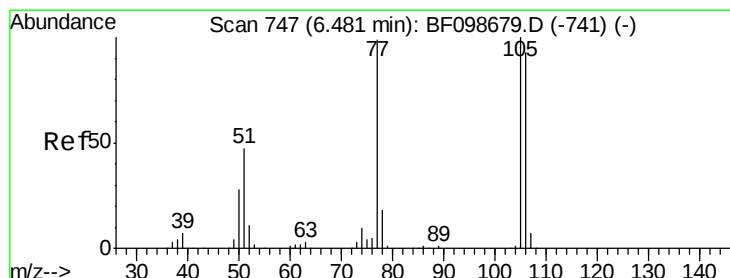
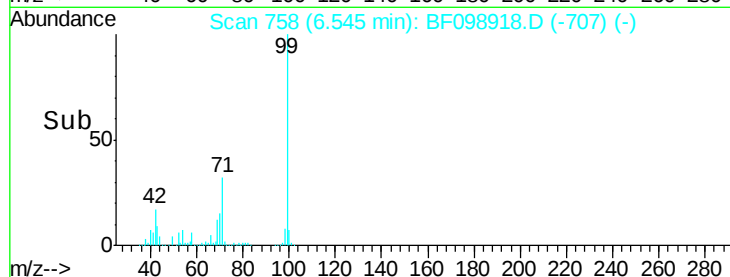
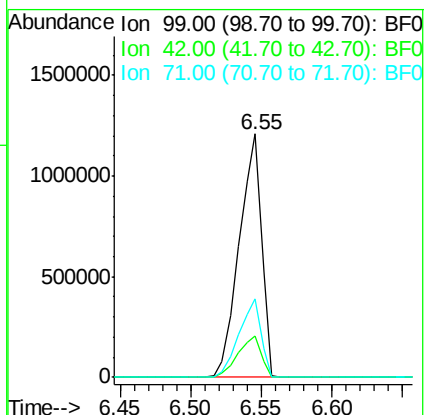
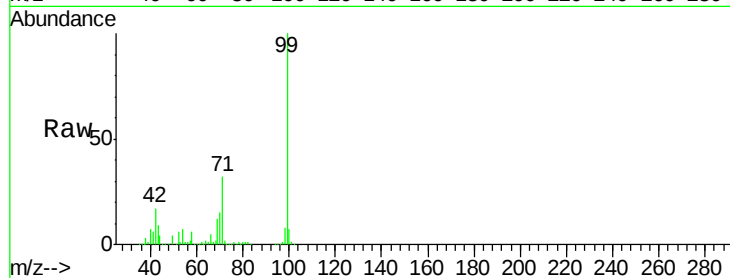
Tot Ion: 99 Resp: 1335625

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

71 32.4 25.4 38.0



#9

Benzaldehyde

Concen: 3.37 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

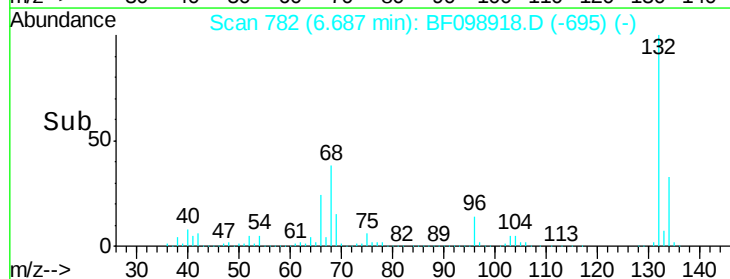
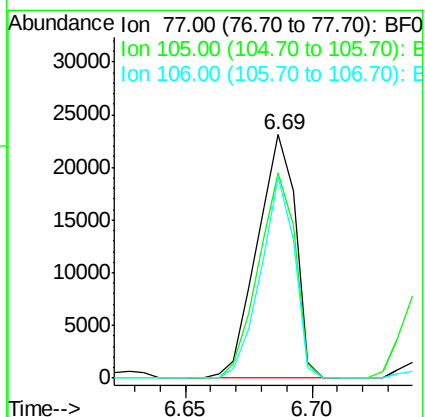
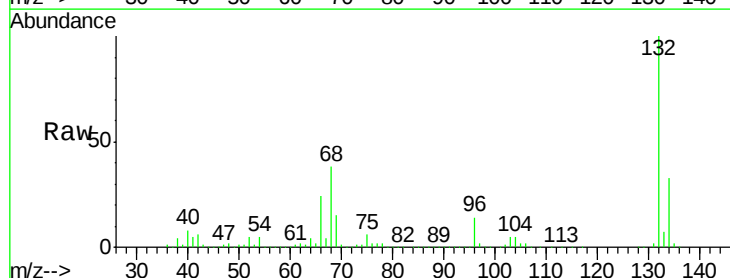
Tgt Ion: 77 Resp: 24406

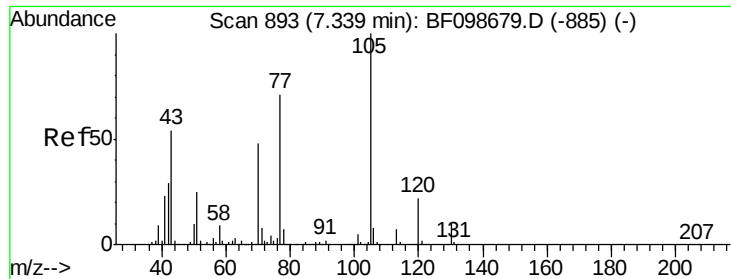
Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

106 82.7 74.5 114.5

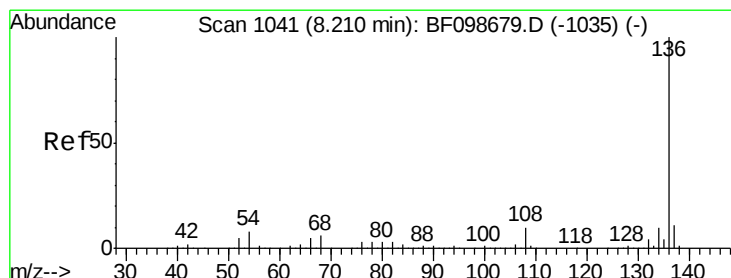
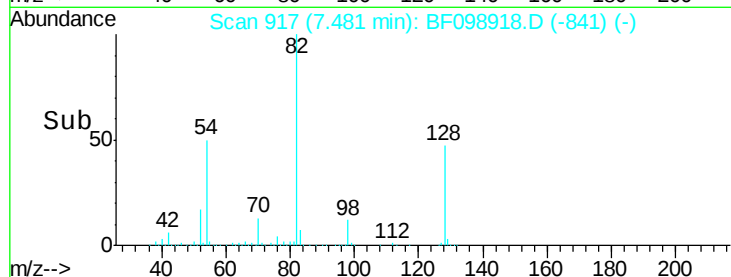
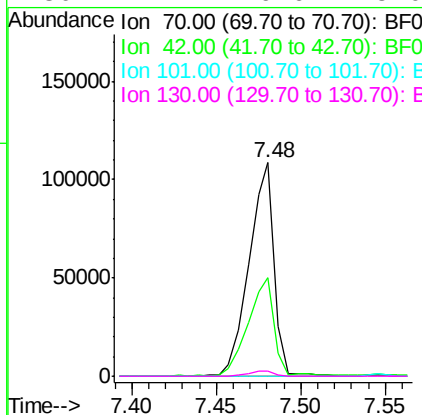
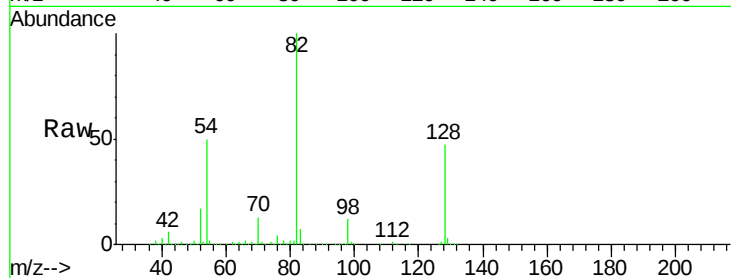




#19
n-Nitroso-di-n-propylamine
Concen: 14.10 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.15 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

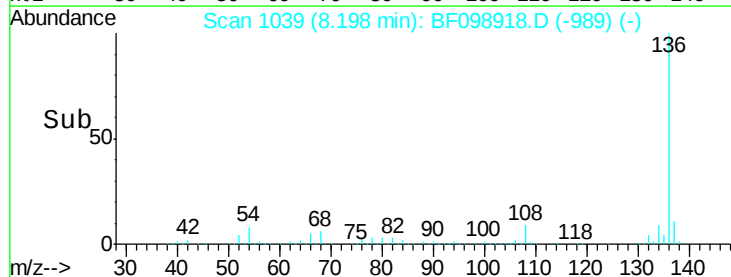
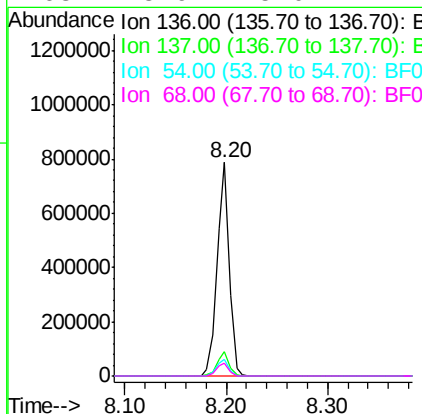
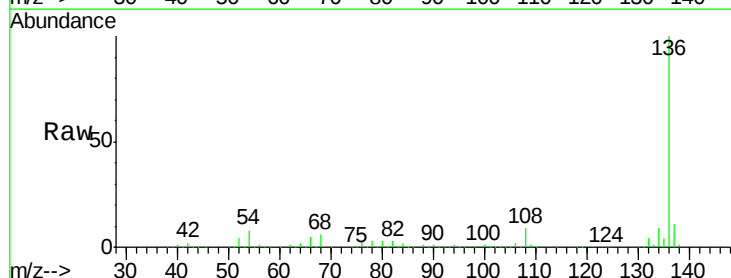
Instrument :
BNA_F
ClientSampleId :

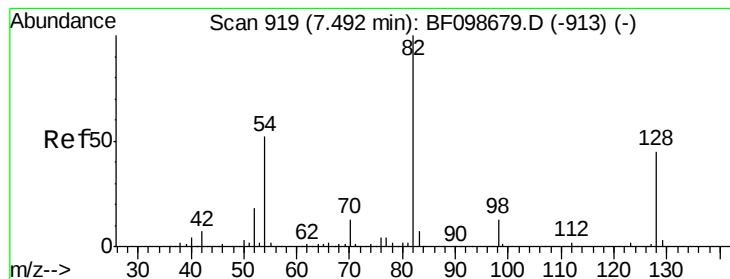
Tot Ion: 70 Resp: 112468
Ion Ratio Lower Upper
70 100
42 46.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:136 Resp: 652929
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.5 6.6 9.8
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 82.20 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampled :

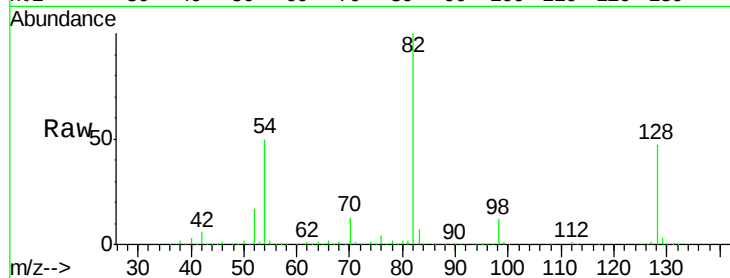
Tot Ion: 82 Resp: 836873

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

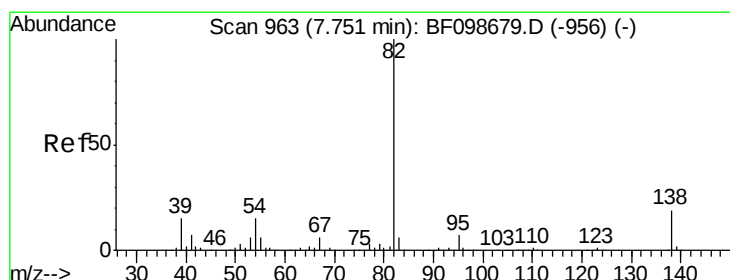
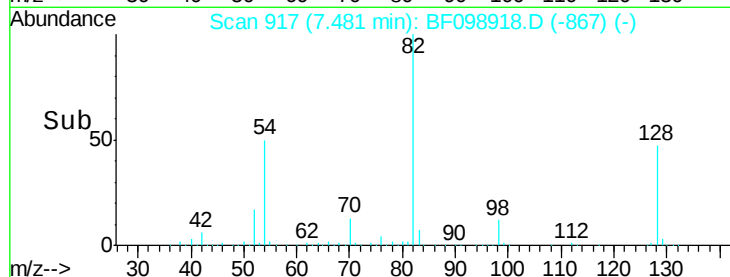
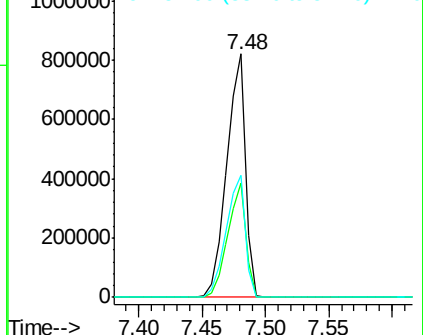
54 50.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 39.52 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

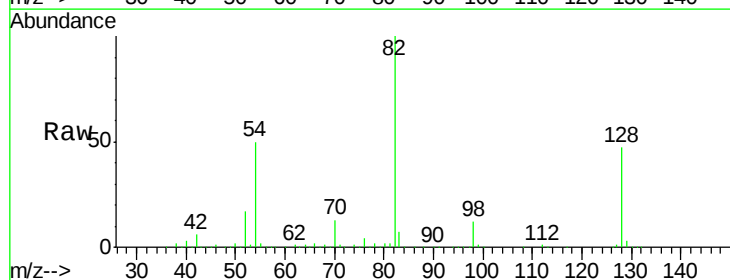
Tgt Ion: 82 Resp: 831894

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

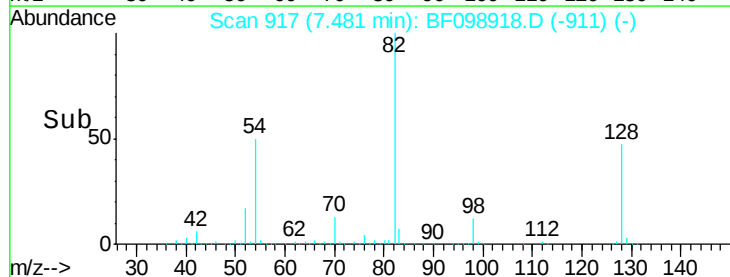
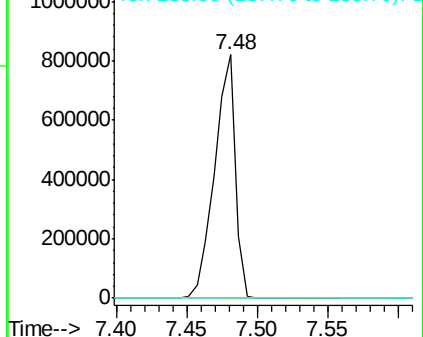
138 0.0 14.9 22.3#

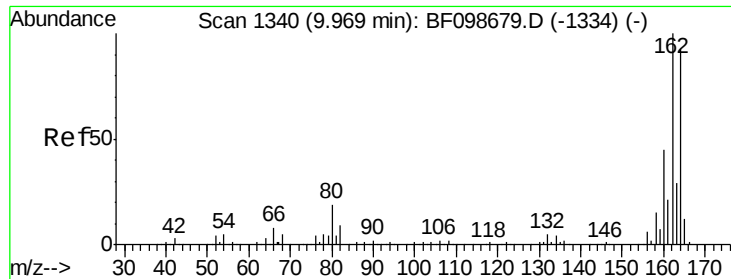


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

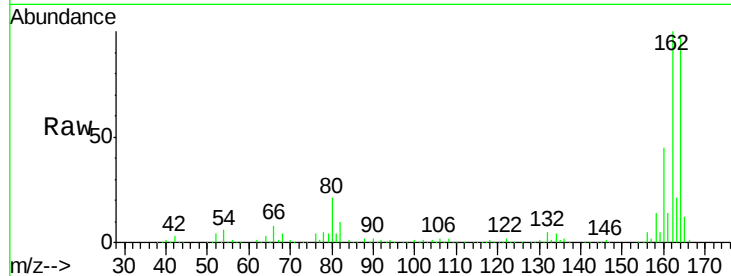
Tot Ion:164 Resp: 259551

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

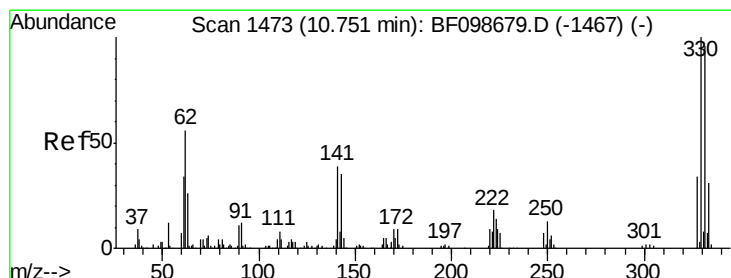
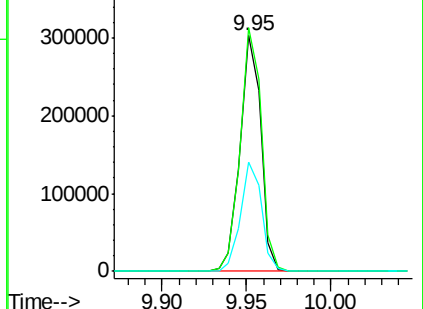
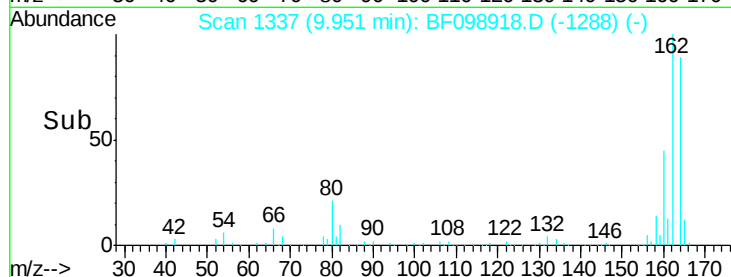
160 46.3 38.3 57.5



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: 97.07 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

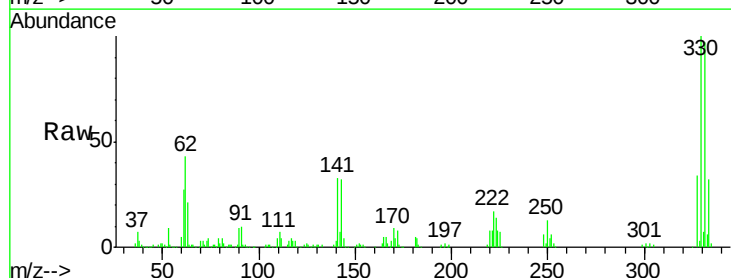
Tgt Ion:330 Resp: 206156

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

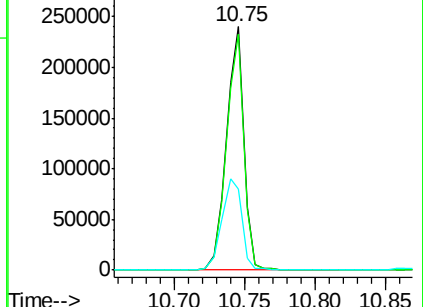
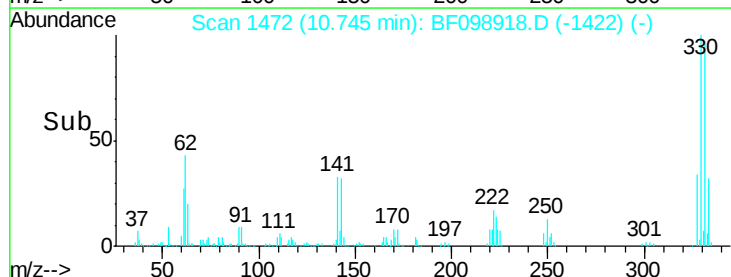
141 44.1 29.9 44.9

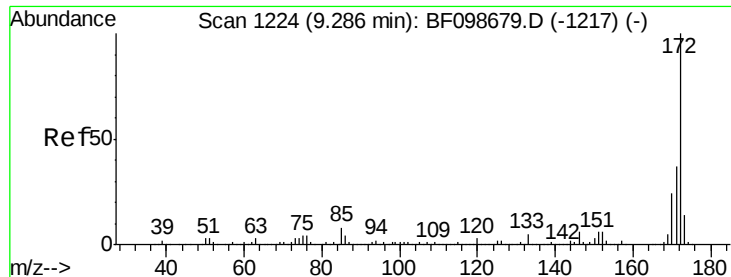


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



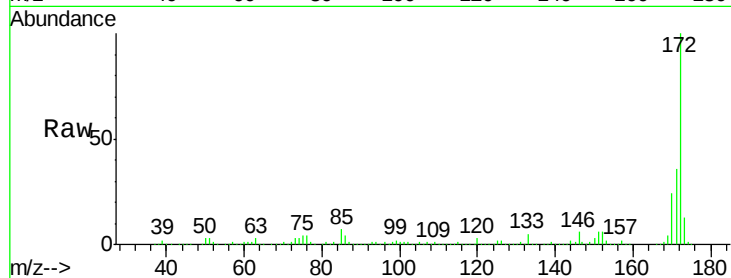


#44
 2-Fluorobiphenyl
 Concen: 86.38 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

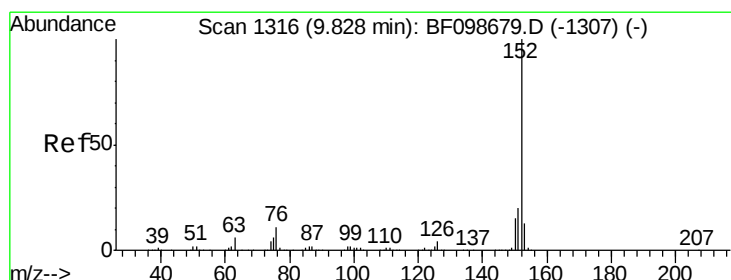
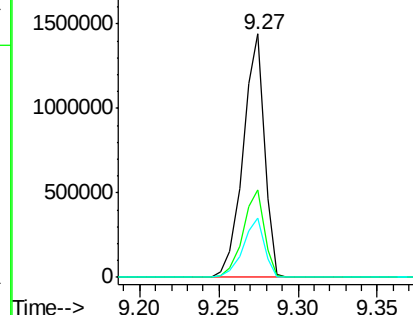
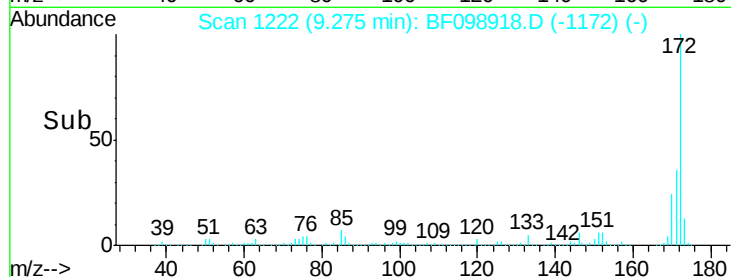
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1343049

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4



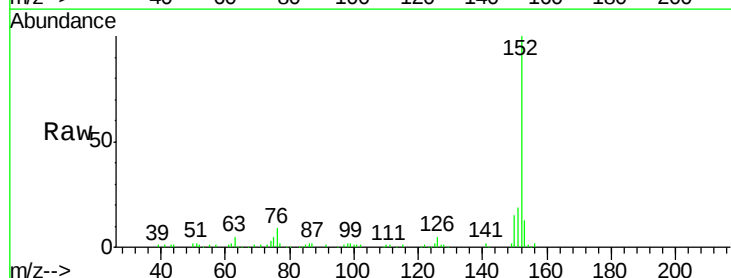
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



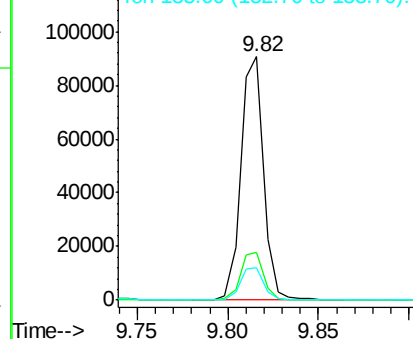
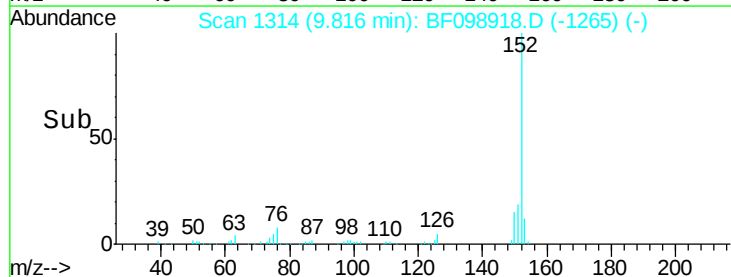
#48
 Acenaphthylene
 Concen: 3.08 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

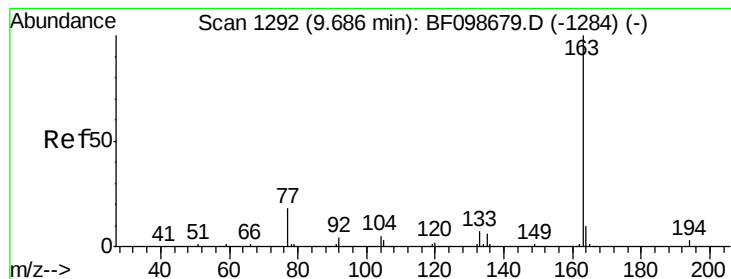
Tgt Ion:152 Resp: 78914

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	13.1	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 11.70 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

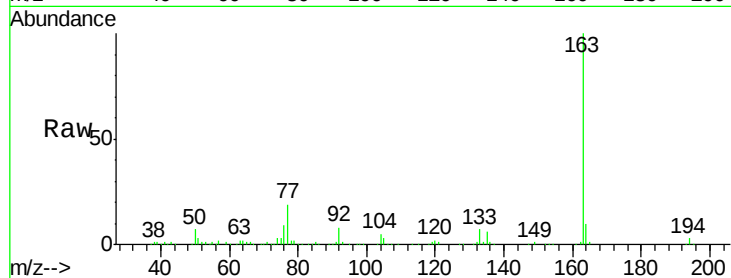
Tot Ion:163 Resp: 229205

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

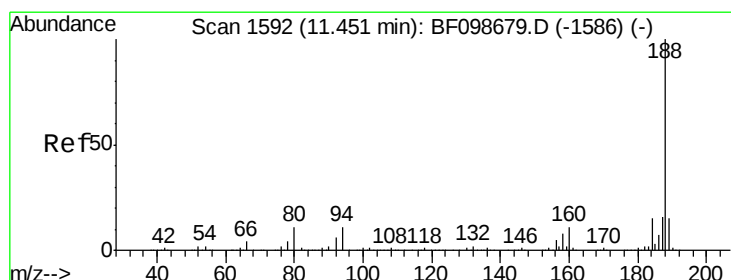
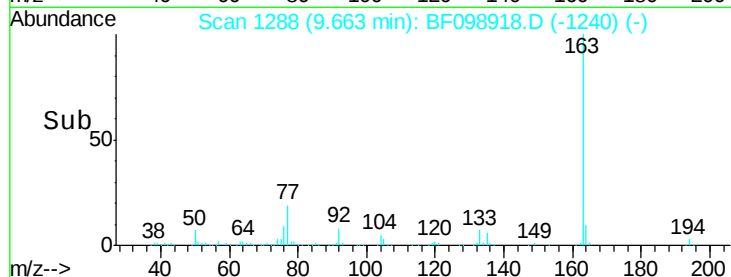
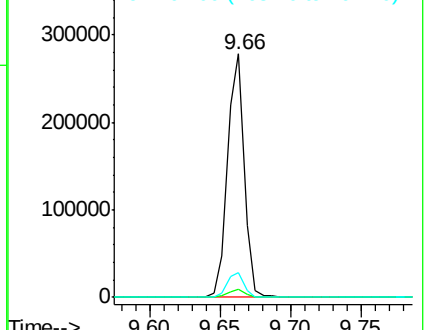
164 10.1 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

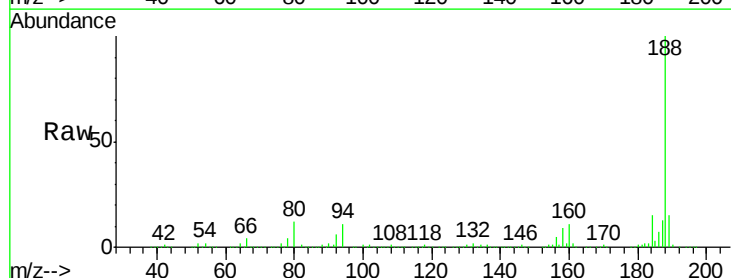
Tgt Ion:188 Resp: 366552

Ion Ratio Lower Upper

188 100

94 11.1 8.5 12.7

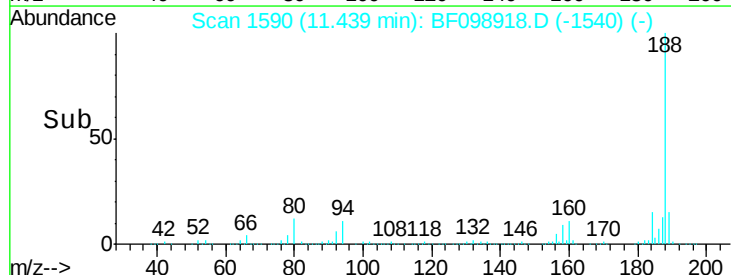
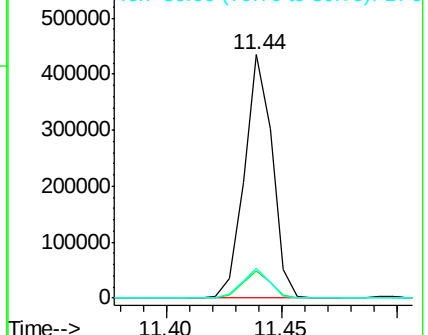
80 12.2 9.2 13.8

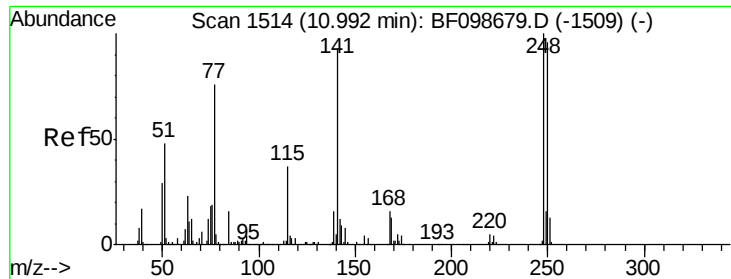


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

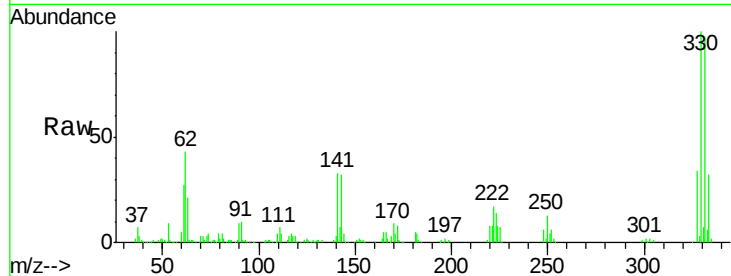




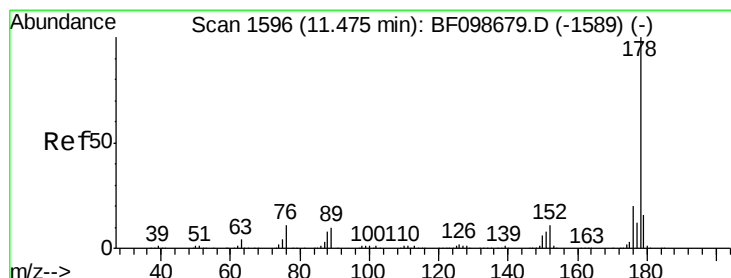
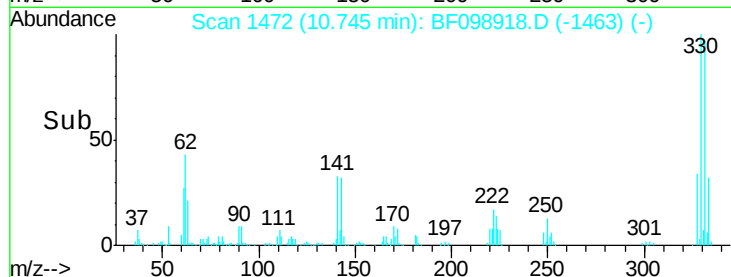
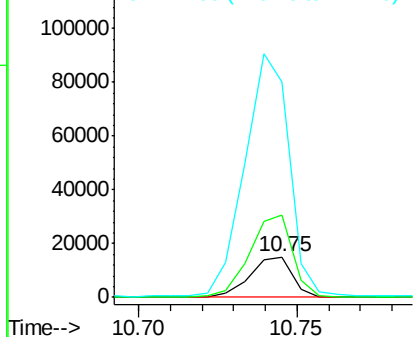
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13995
Ion Ratio Lower Upper
248 100
250 204.4 76.9 115.3#
141 532.2 74.4 111.6#

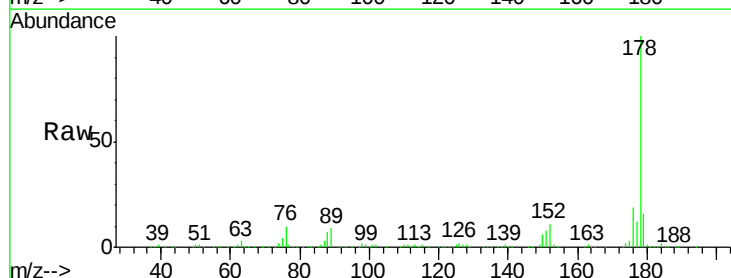


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

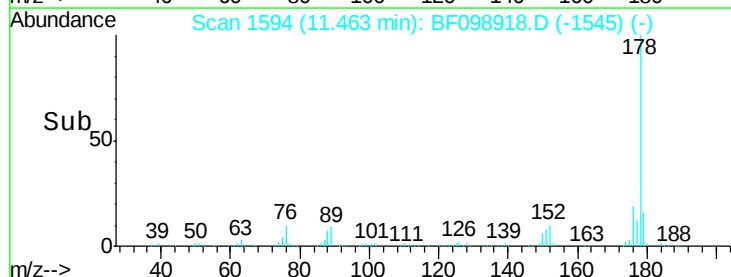
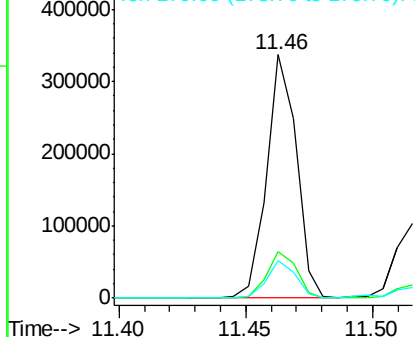


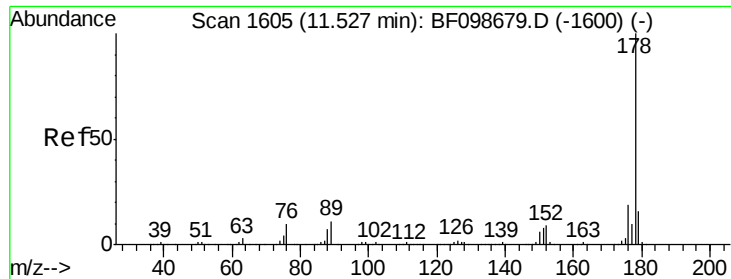
#70
Phenanthrene
Concen: 13.98 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:178 Resp: 274278
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.6 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

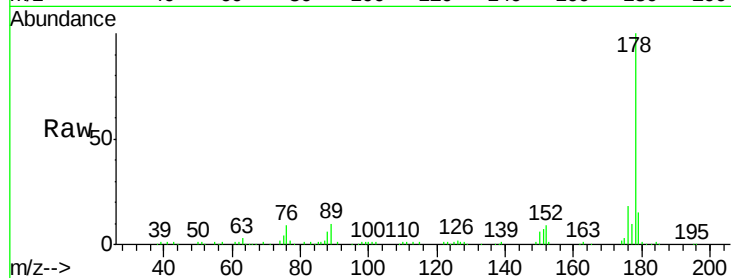




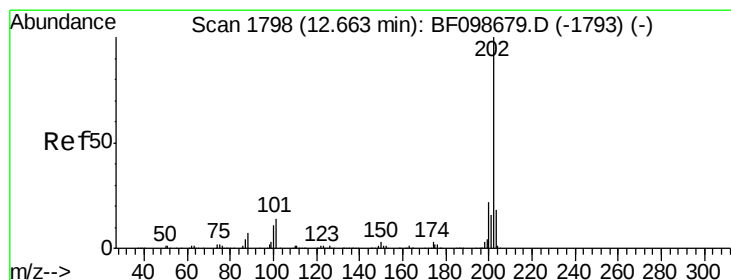
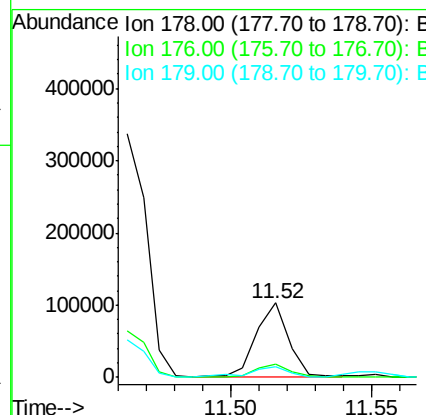
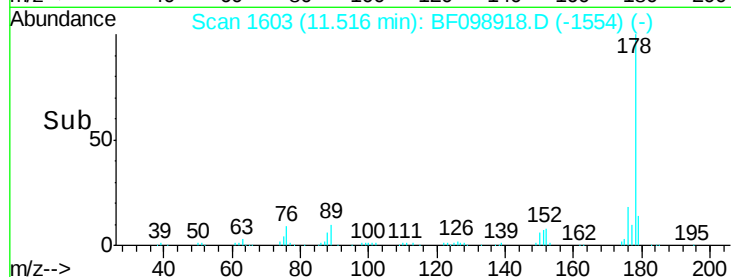
#71
 Anthracene
 Concen: 3.99 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 80035
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 14.6 12.6 19.0

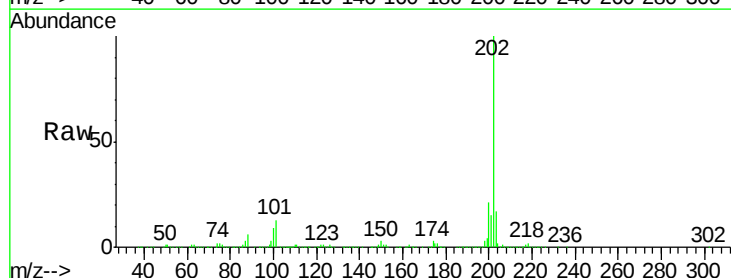


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

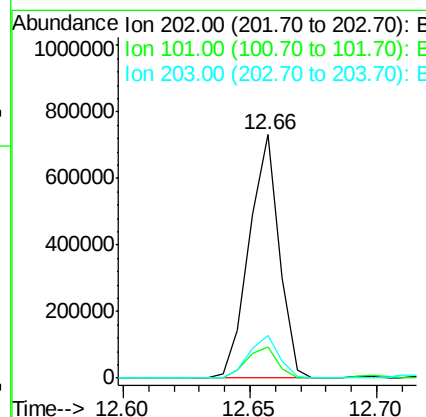
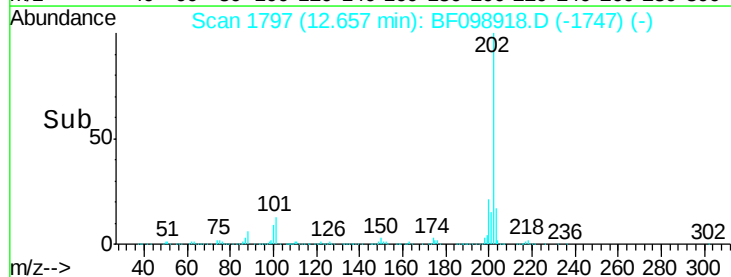


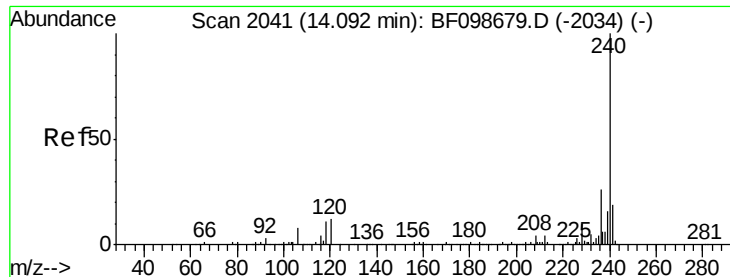
#74
 Fluoranthene
 Concen: 30.39 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

Tgt Ion:202 Resp: 603760
 Ion Ratio Lower Upper
 202 100
 101 12.8 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: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

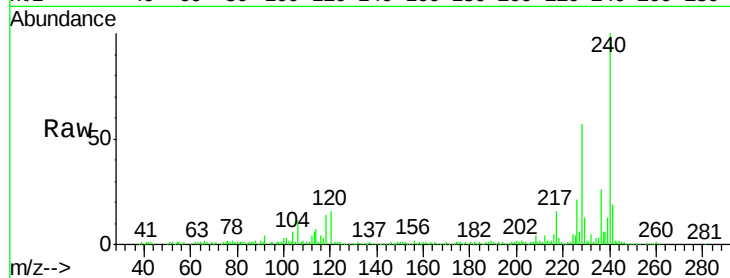
Tot Ion:240 Resp: 246688

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

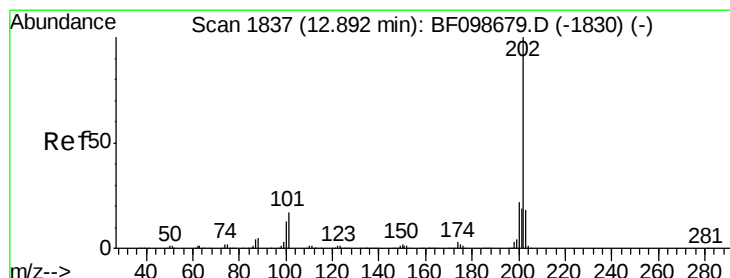
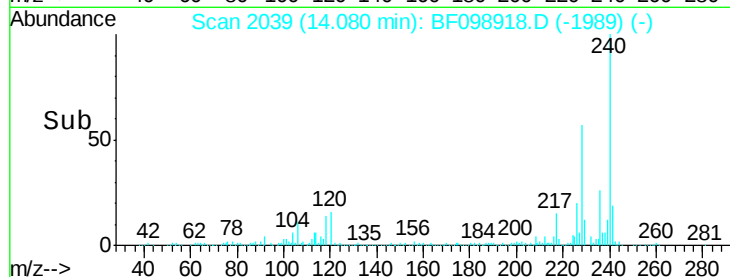
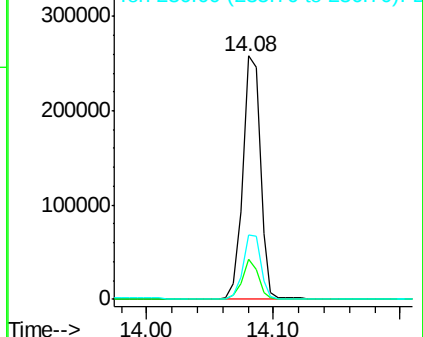
236 26.2 20.7 31.1



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: 29.78 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

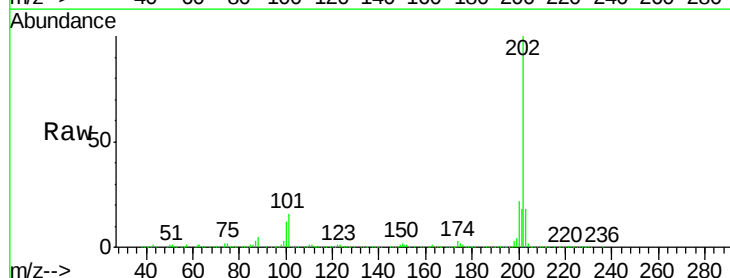
Tgt Ion:202 Resp: 560153

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

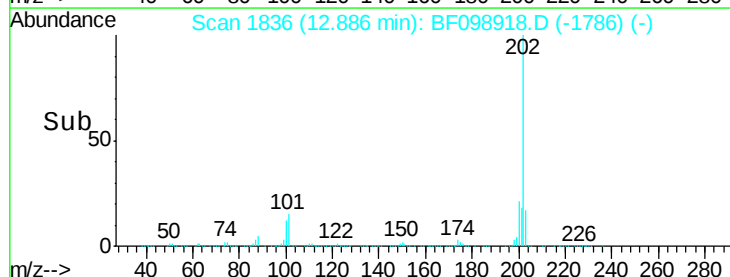
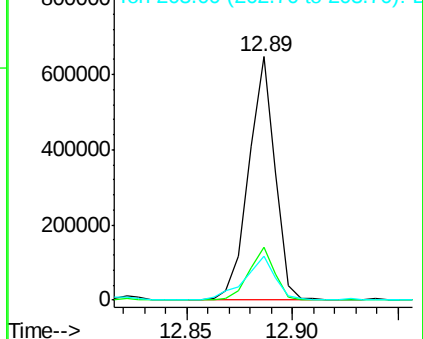
203 18.2 14.3 21.5

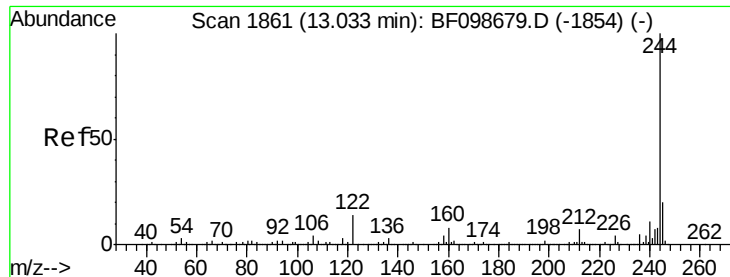


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

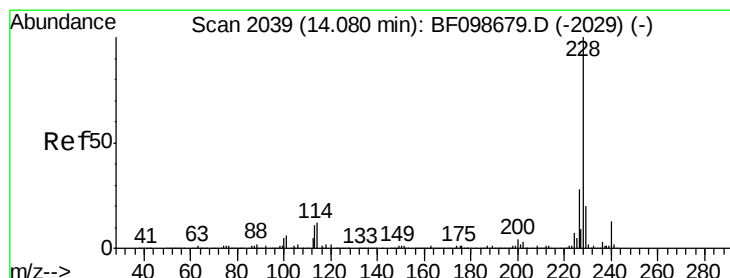
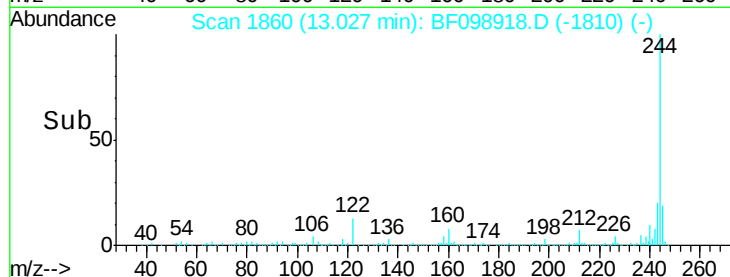
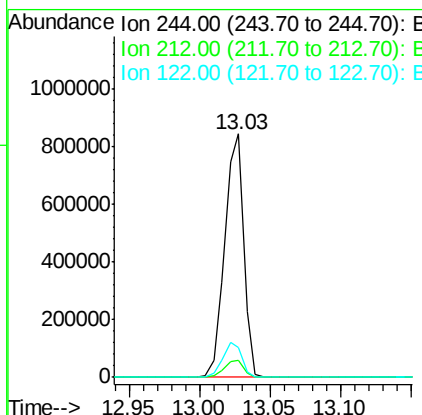
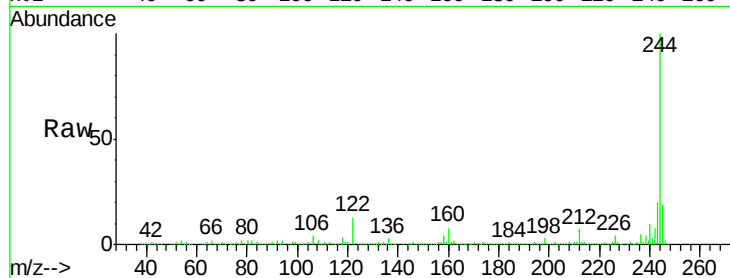




#78
 Terphenyl-d14
 Concen: 72.65 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

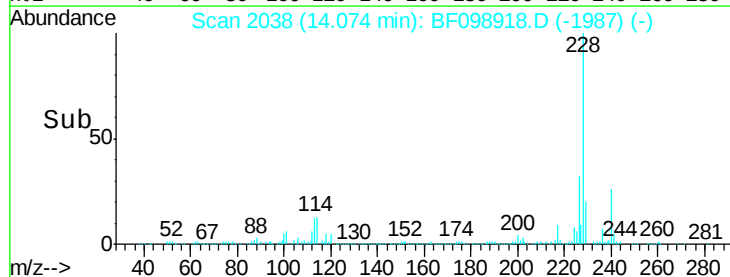
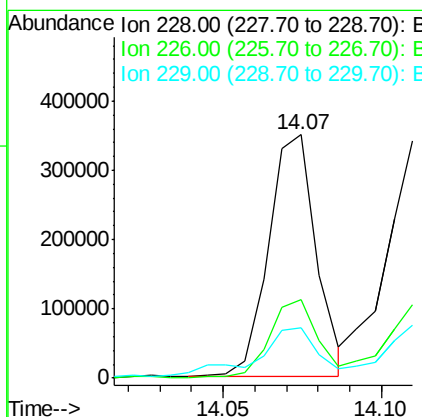
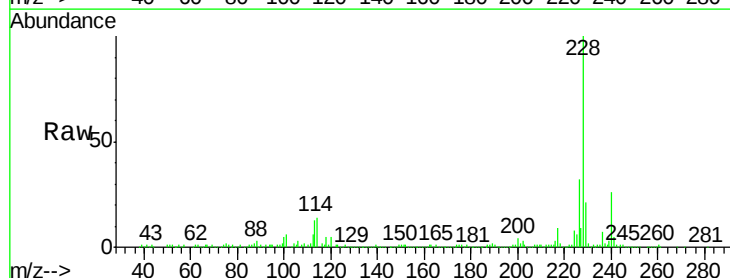
Instrument :
 BNA_F
 ClientSampled :

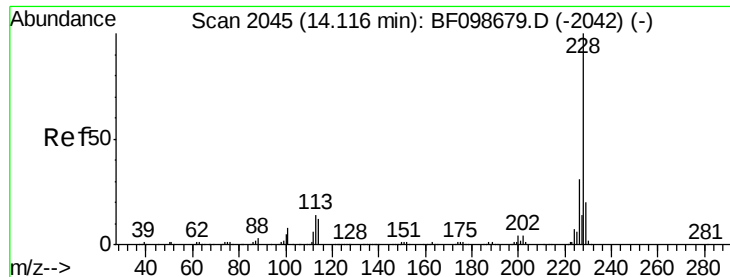
Tot Ion:244 Resp: 788092
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 12.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 24.50 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

Tgt Ion:228 Resp: 365904
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.6 33.8
 229 20.6 15.8 23.6





#82

Chrysene

Concen: 21.99 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

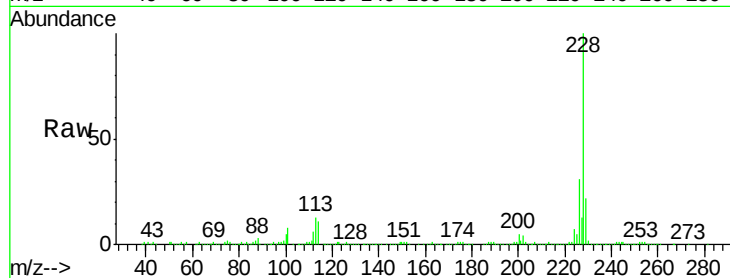
Tot Ion:228 Resp: 312750

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

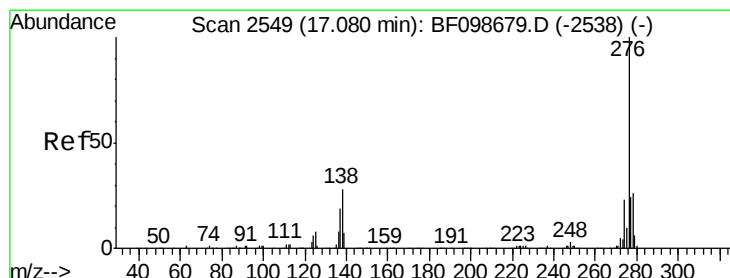
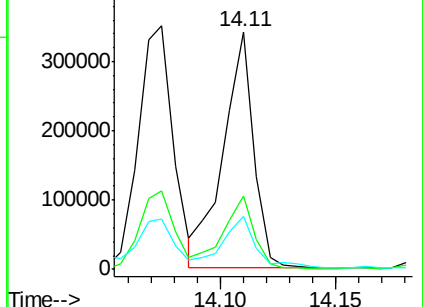
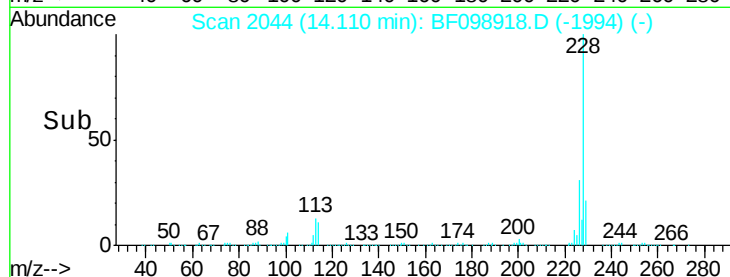
229 22.1 16.2 24.4



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: 13.86 ng

RT: 17.09 min Scan# 2550

Delta R.T. 0.00 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

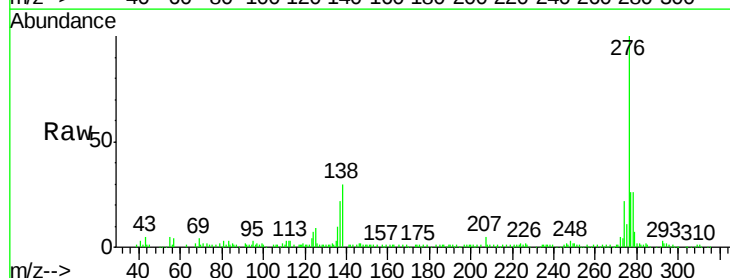
Tgt Ion:276 Resp: 157688

Ion Ratio Lower Upper

276 100

138 30.2 25.0 37.6

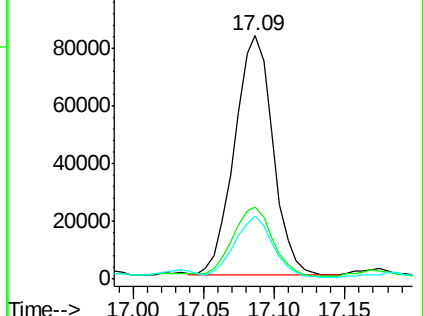
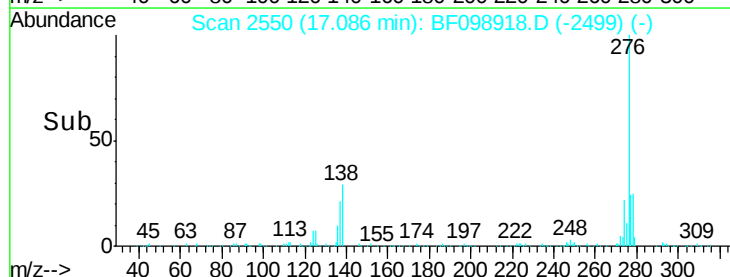
277 24.8 20.1 30.1

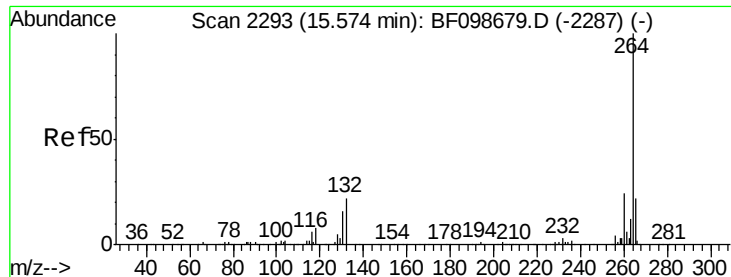


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

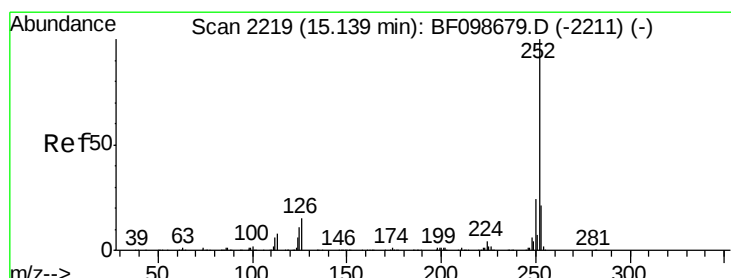
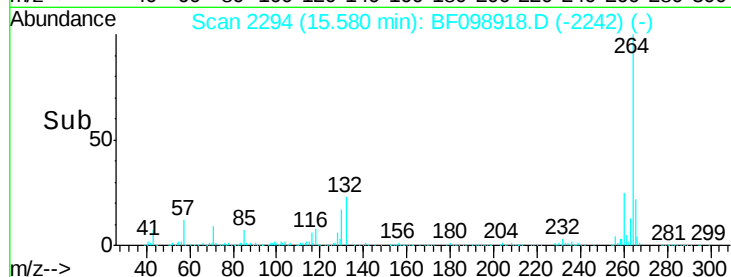
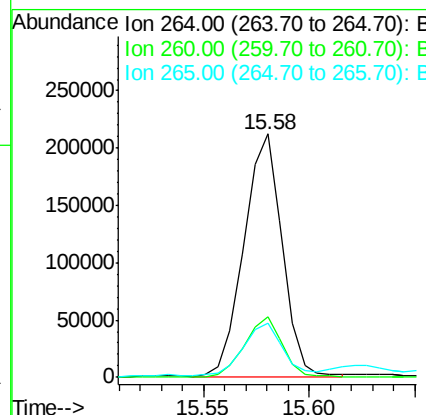
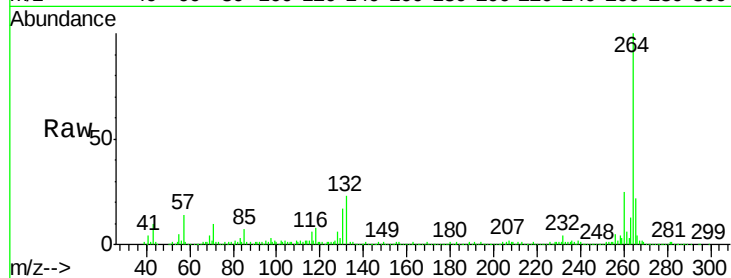




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

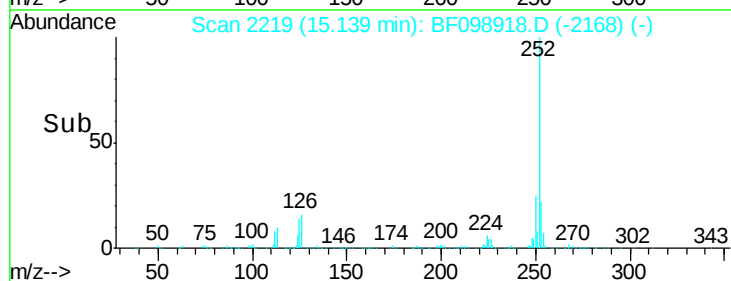
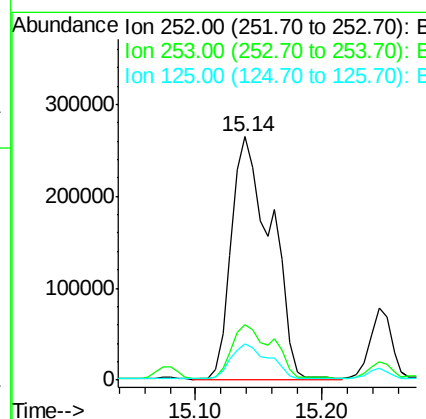
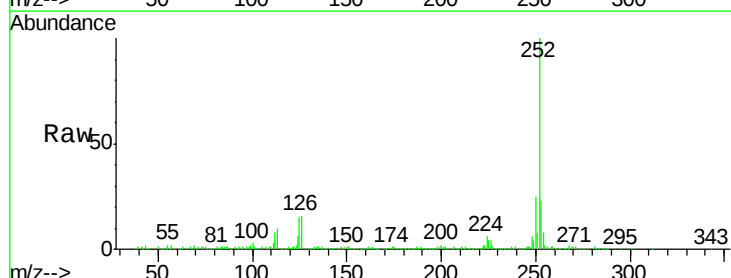
Instrument :
BNA_F
ClientSampleId :

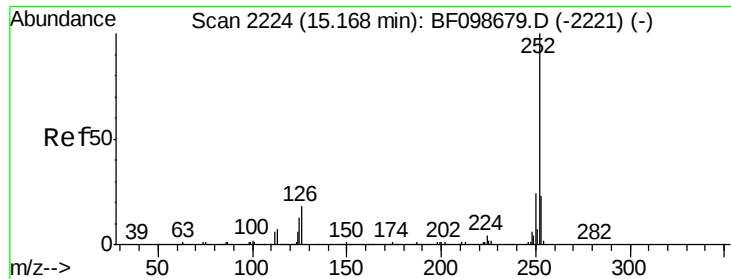
Tot Ion:264 Resp: 265721
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 22.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 34.92 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF098918.D
Acq: 28 Sep 2017 20:35

Tgt Ion:252 Resp: 570541
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 15.0 9.0 13.6#

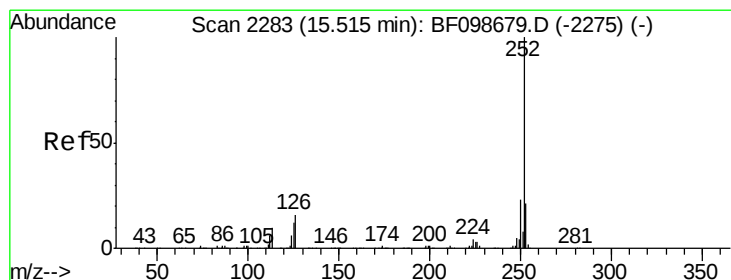
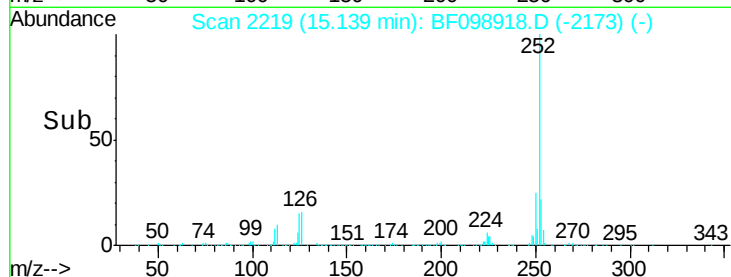
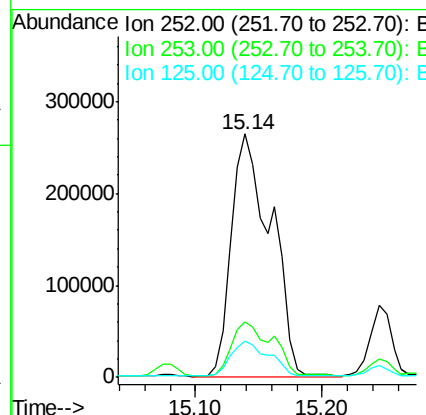
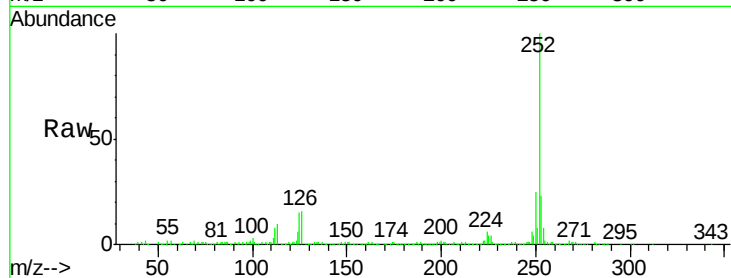




#88
 Benzo(k)fluoranthene
 Concen: 35.36 ng
 RT: 15.14 min Scan# 2219
 Delta R.T. -0.03 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

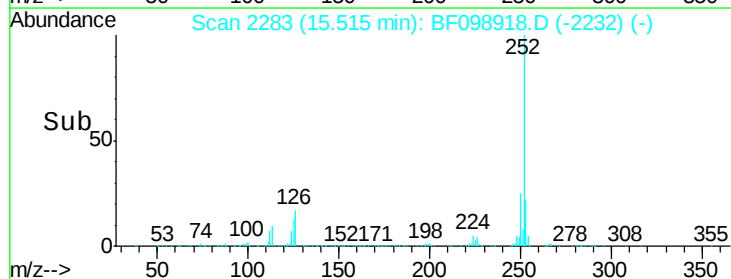
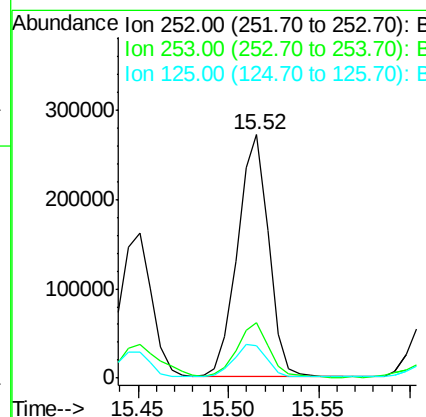
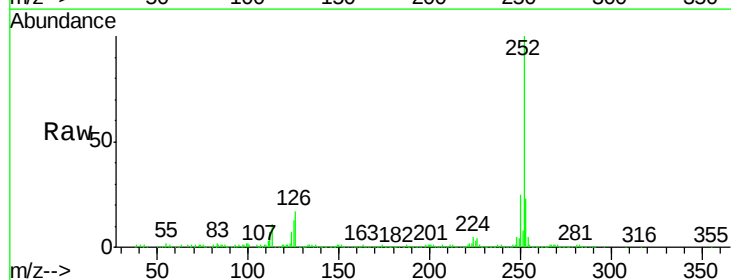
Instrument :
 BNA_F
 ClientSampleId :

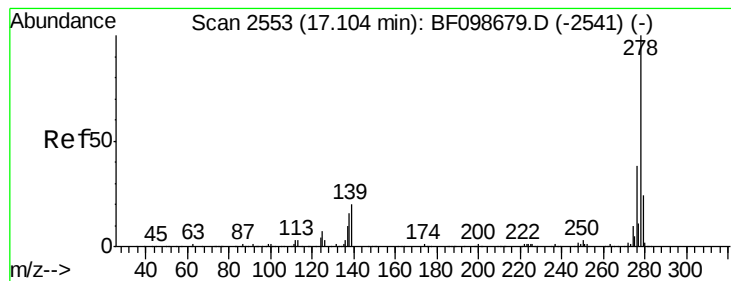
Tot Ion:252 Resp: 570541
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.9 26.9
 125 15.0 10.2 15.2



#89
 Benzo(a)pyrene
 Concen: 21.61 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: BF098918.D
 Acq: 28 Sep 2017 20:35

Tgt Ion:252 Resp: 324061
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.1 25.7
 125 13.2 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.23 ng

RT: 17.09 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

Instrument :

BNA_F

ClientSampleId :

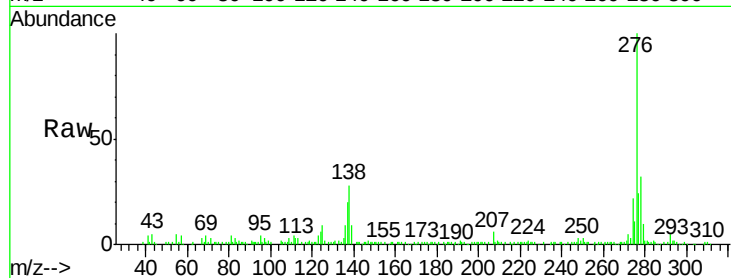
Tot Ion:278 Resp: 50726

Ion Ratio Lower Upper

278 100

139 28.6 15.9 23.9#

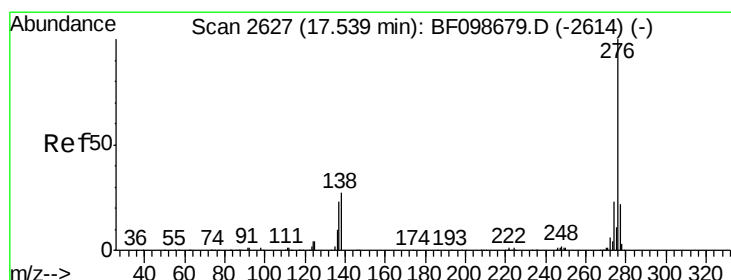
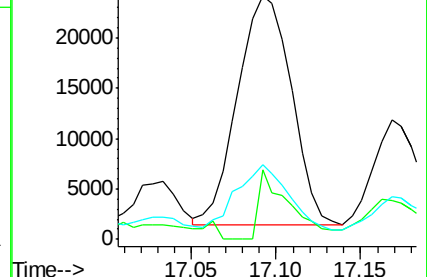
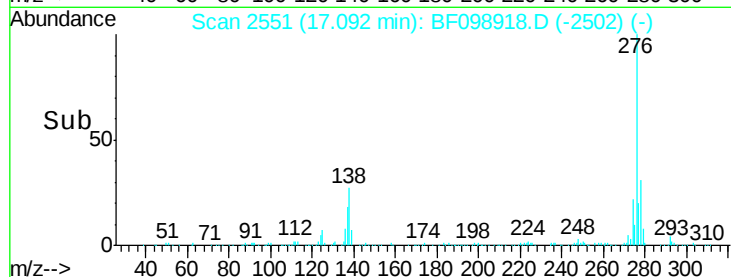
279 30.7 19.0 28.4#



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: 10.78 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.00 min

Lab File: BF098918.D

Acq: 28 Sep 2017 20:35

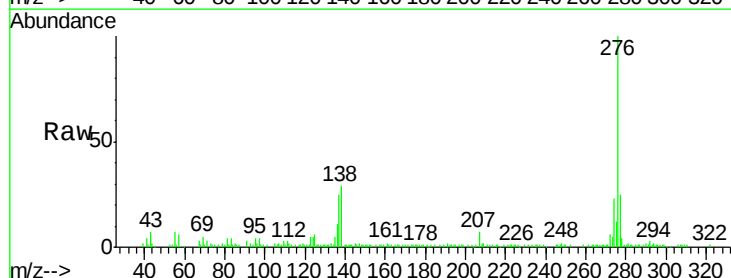
Tgt Ion:276 Resp: 127932

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 28.7 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

