

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092146.D
 Acq On : 9 Jan 2017 19:15
 Operator : UM/SJ
 Sample : I1064-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-6-COMP11

Quant Time: Jan 09 22:33:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	201614	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	815528	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	331930	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	555803	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	362386	20.00	ng	-0.01
86) Perylene-d12	15.15	264	323982	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	1630663	135.05	ng	0.00
7) Phenol-d6	6.31	99	2302515	156.19	ng	0.00
23) Nitrobenzene-d5	7.20	82	1272003	86.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	397330	144.64	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1870651	120.92	ng	-0.01
78) Terphenyl-d14	12.73	244	1239436	82.95	ng	-0.01

Target Compounds

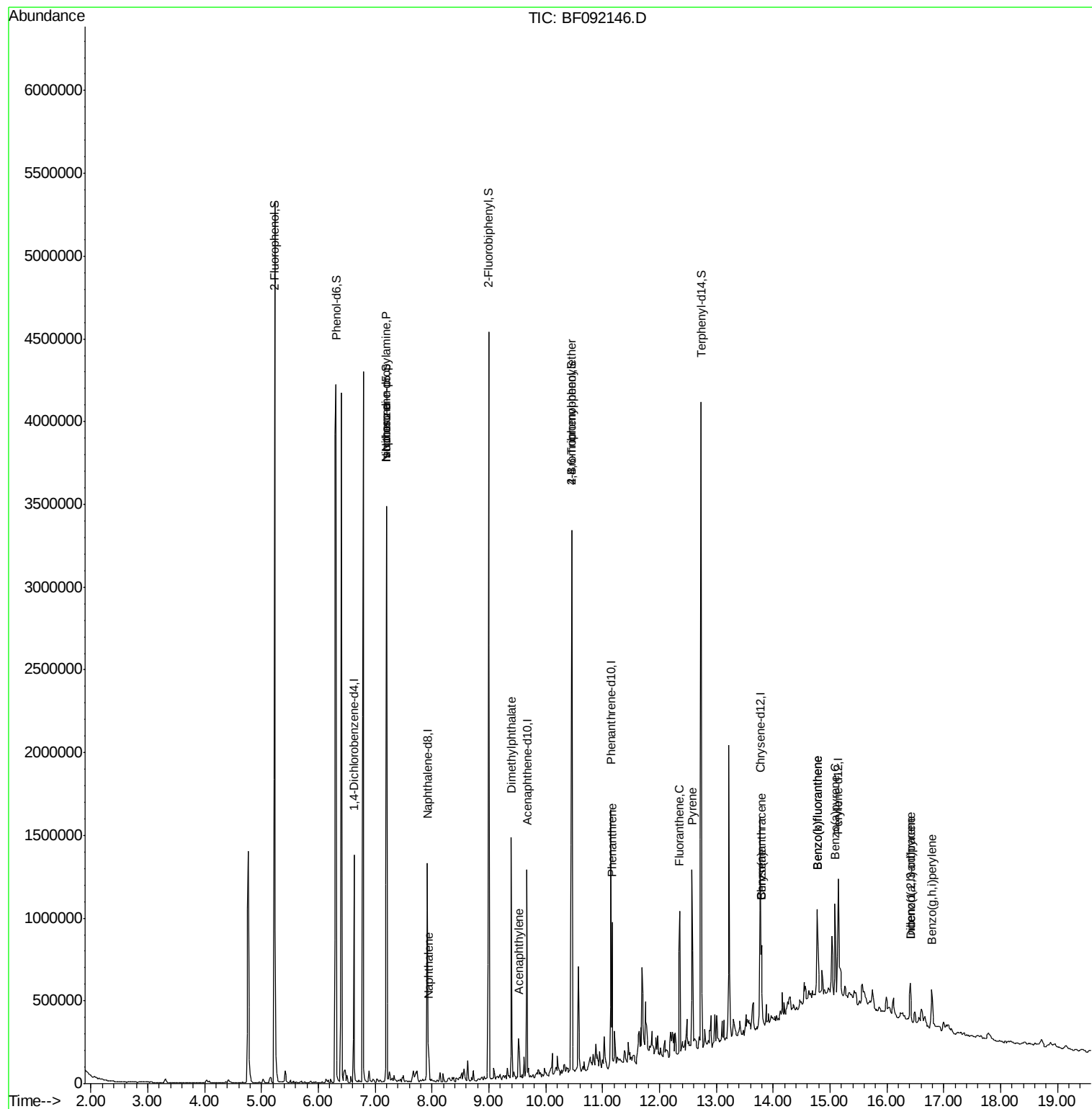
						Qvalue
19) n-Nitroso-di-n-propylamine	7.20	70	170015	17.34	ng	# 77
25) Isophorone	7.20	82	963293	35.60	ng	# 65
31) Naphthalene	7.93	128	115077	3.08	ng	97
48) Acenaphthylene	9.52	152	136276	4.92	ng	97
49) Dimethylphthalate	9.40	163	530033	24.97	ng	98
66) 4-Bromophenyl-phenylether	10.46	248	26339	4.56	ng	# 1
70) Phenanthrene	11.17	178	318961	10.58	ng	97
73) Di-n-butylphthalate	11.73	149	9058	Below Cal		# 85
74) Fluoranthene	12.36	202	465359	15.06	ng	91
76) Benzidine	12.23	184	2030	Below Cal		# 1
77) Pyrene	12.57	202	529266	19.91	ng	97
80) Benzo(a)anthracene	13.80	228	197251	9.64	ng	94
82) Chrysene	13.80	228	197251	9.61	ng	97
85) Indeno(1,2,3-cd)pyrene	16.41	276	163012	9.17	ng	94
87) Benzo(b)fluoranthene	14.78	252	410797	20.37	ng	99
88) Benzo(k)fluoranthene	14.78	252	409966	23.83	ng	97
89) Benzo(a)pyrene	15.09	252	252800	14.12	ng	98
90) Dibenzo(a,h)anthracene	16.41	278	33316	2.26	ng	# 73
91) Benzo(g,h,i)perylene	16.79	276	194926	12.74	ng	96

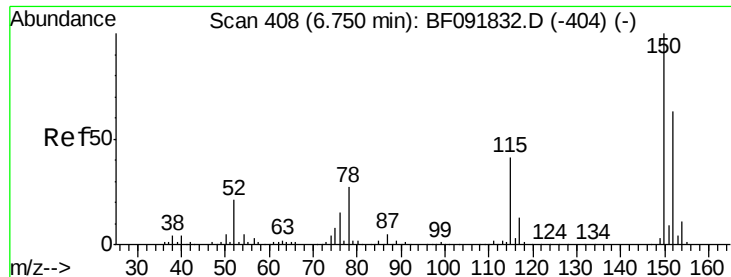
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

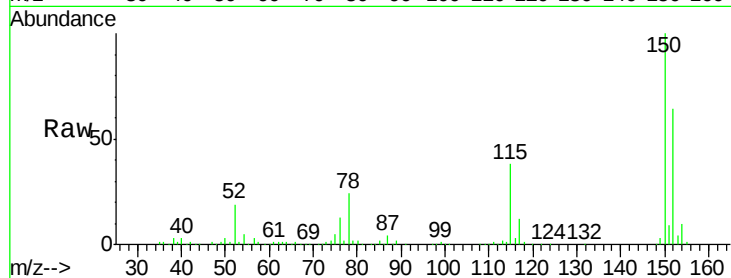
Tgt Ion:152 Resp: 201614

Ion Ratio Lower Upper

152 100

150 155.1 124.9 187.3

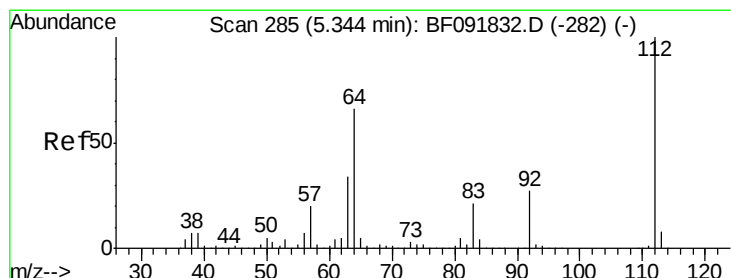
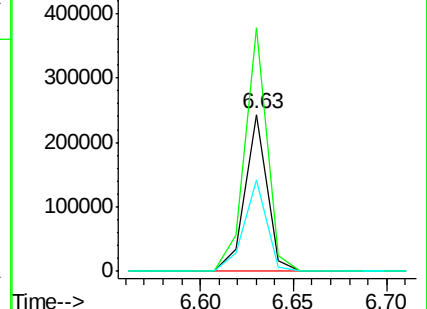
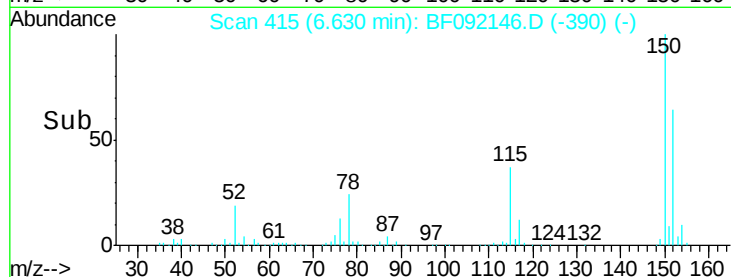
115 58.3 46.0 69.0



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: 135.05 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

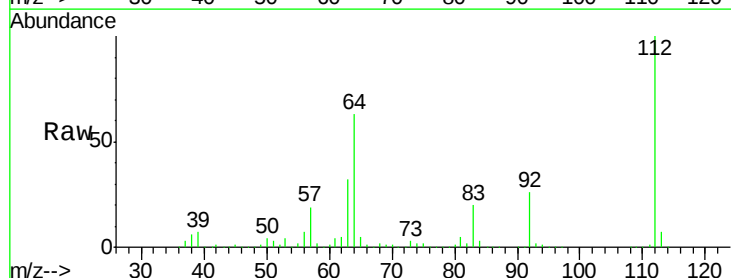
Tgt Ion:112 Resp: 1630663

Ion Ratio Lower Upper

112 100

64 62.6 46.1 69.1

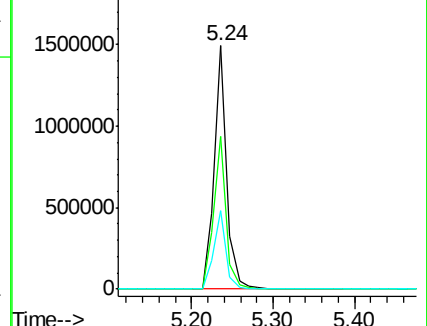
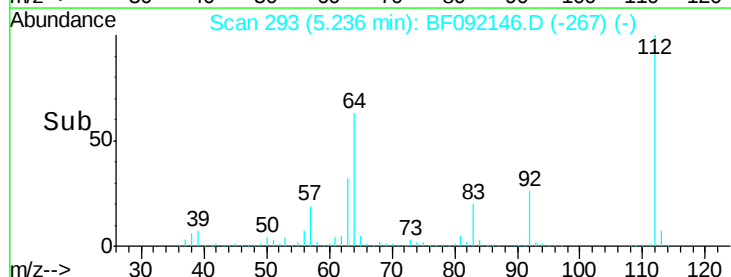
63 32.1 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 156.19 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

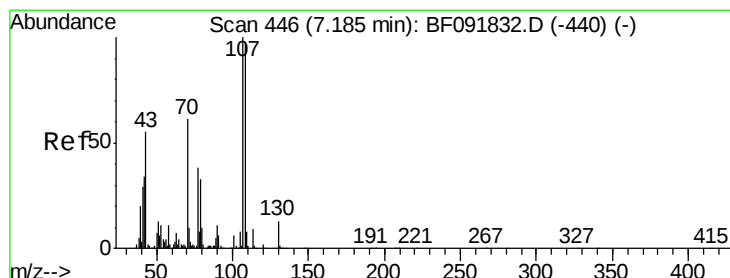
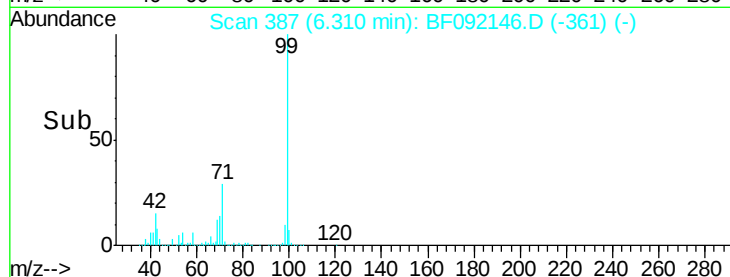
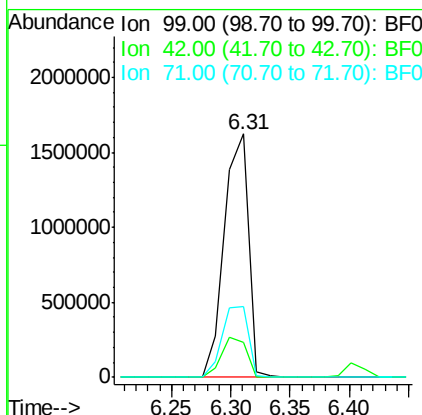
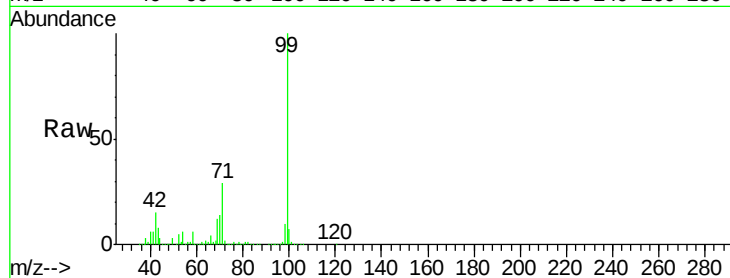
BNA_F

ClientSampleId :

TP5-6-COMP11

Tgt Ion: 99 Resp: 2302515

Ion	Ratio	Lower	Upper
99	100		
42	14.5	15.6	23.4#
71	29.1	27.5	41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.34 ng

RT: 7.20 min Scan# 465

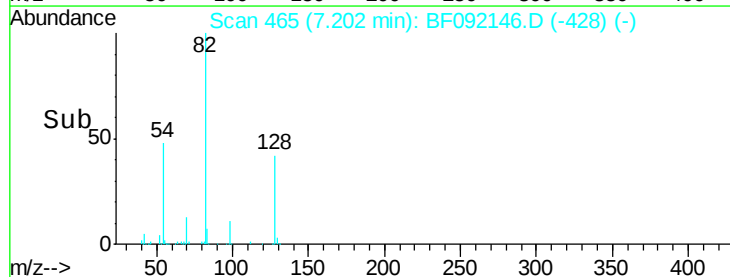
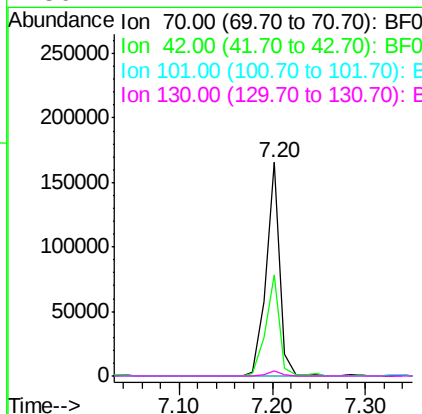
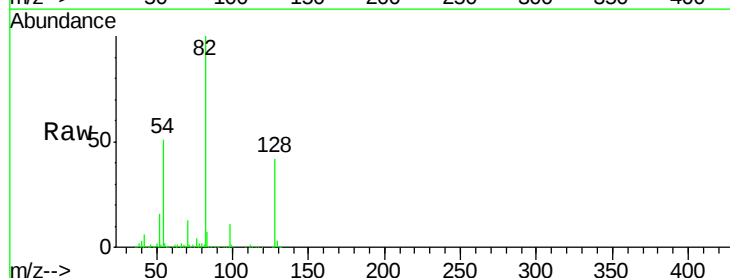
Delta R.T. 0.13 min

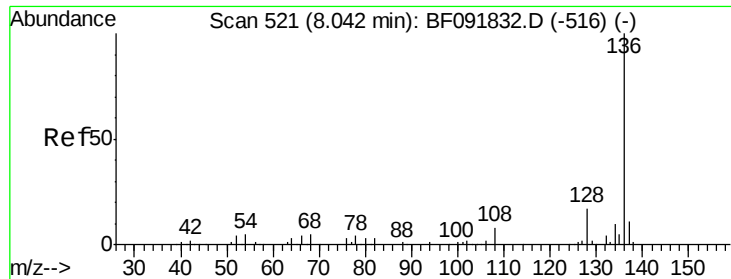
Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Tgt Ion: 70 Resp: 170015

Ion	Ratio	Lower	Upper
70	100		
42	47.2	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#

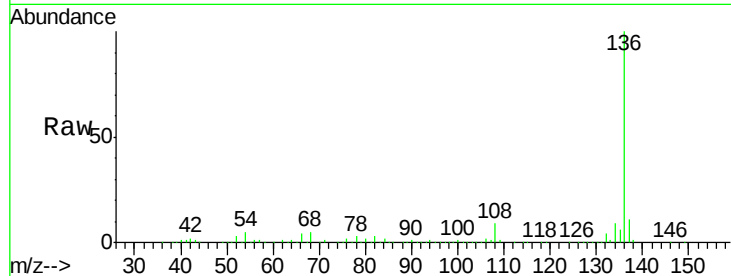




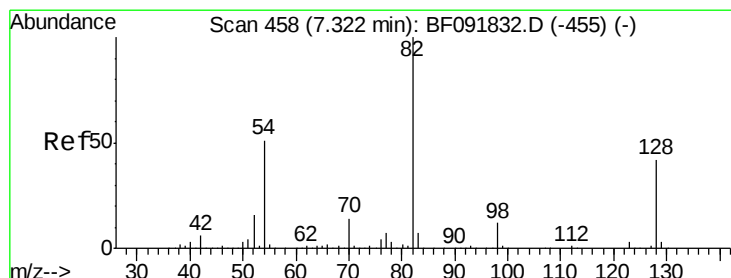
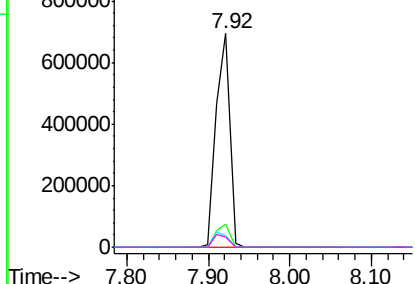
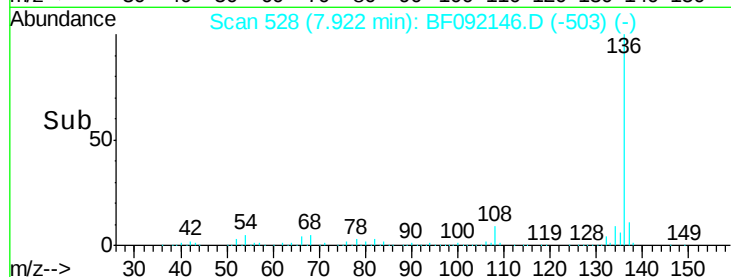
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion:	136	Resp:	815528
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	5.5	4.5	6.7
68	4.6	3.6	5.4

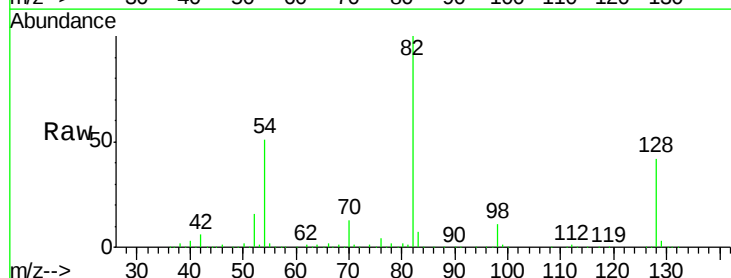


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

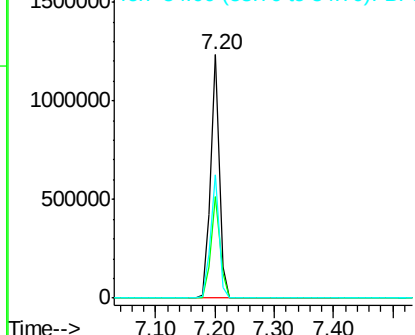
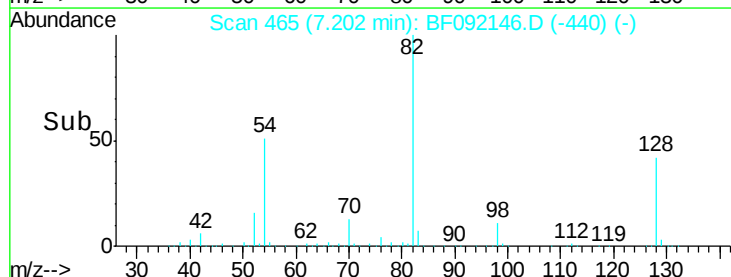


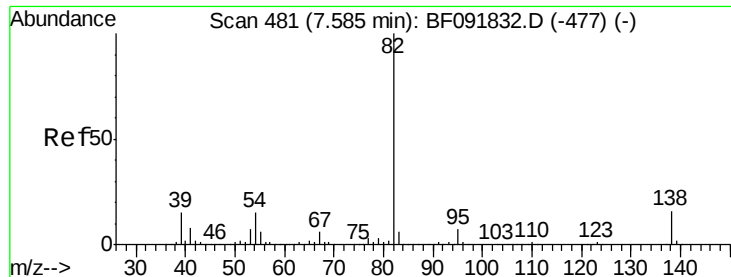
#23
Nitrobenzene-d5
Concen: 86.73 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion:	82	Resp:	1272003
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	52.0
54	50.8	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.60 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.27 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

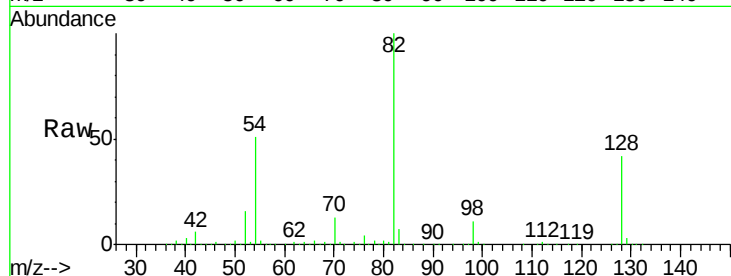
Tgt Ion: 82 Resp: 963293

Ion Ratio Lower Upper

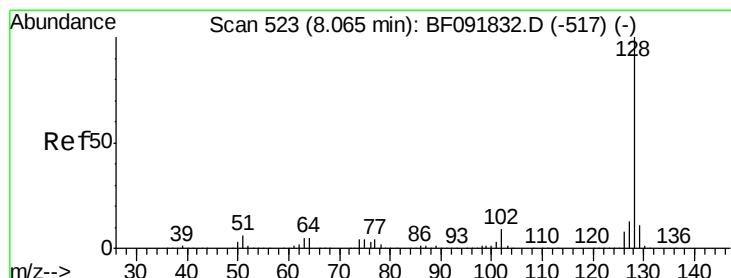
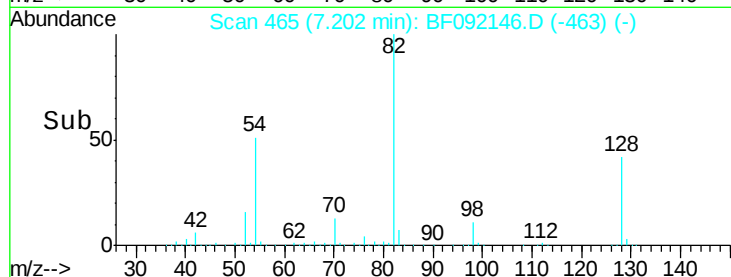
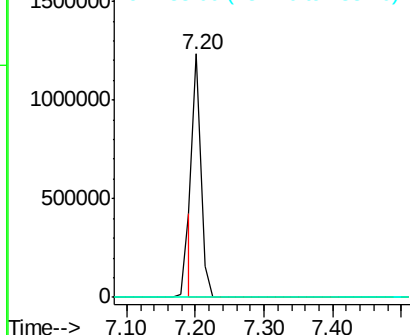
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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



#31

Naphthalene

Concen: 3.08 ng

RT: 7.93 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

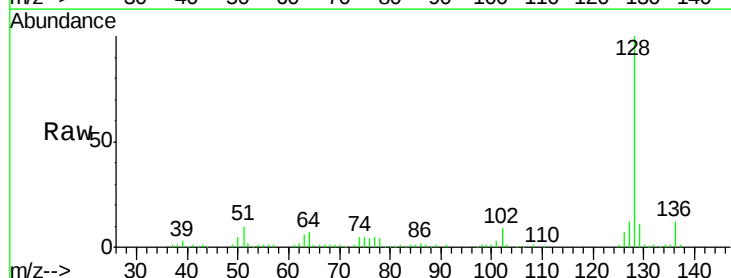
Tgt Ion: 128 Resp: 115077

Ion Ratio Lower Upper

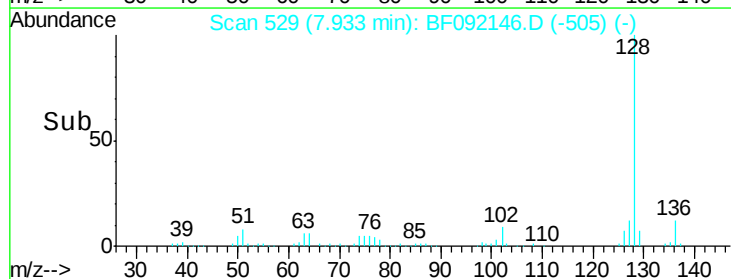
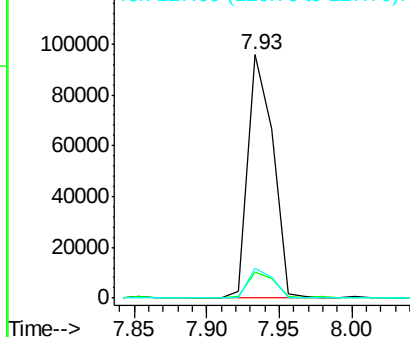
128 100

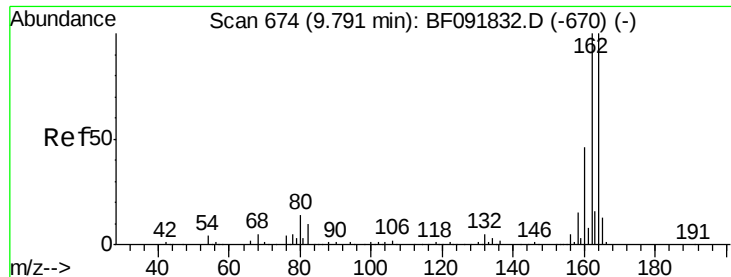
129 10.6 9.5 14.3

127 12.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

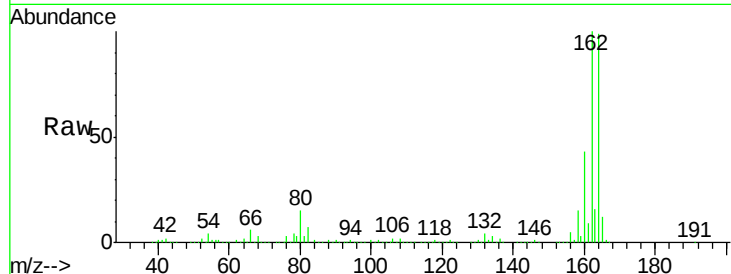




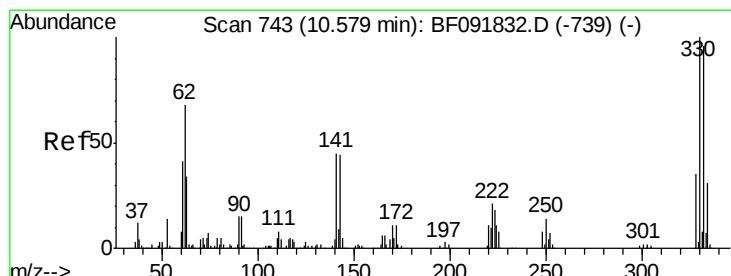
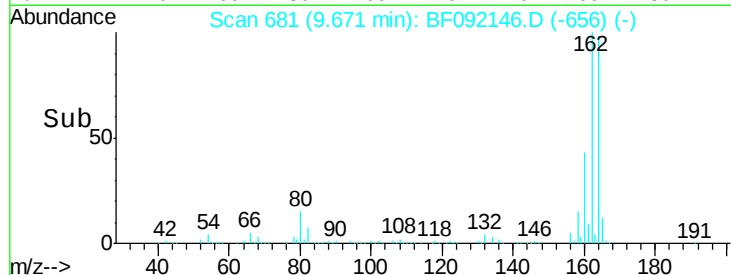
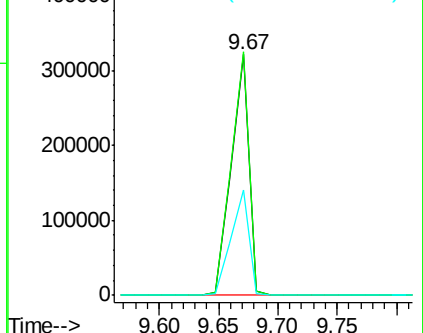
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion:164 Resp: 331930
Ion Ratio Lower Upper
164 100
162 101.3 80.2 120.2
160 43.8 36.9 55.3

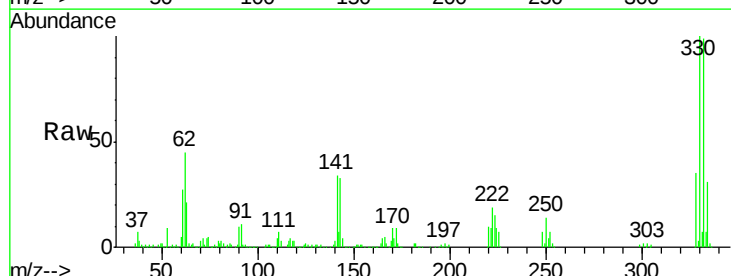


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

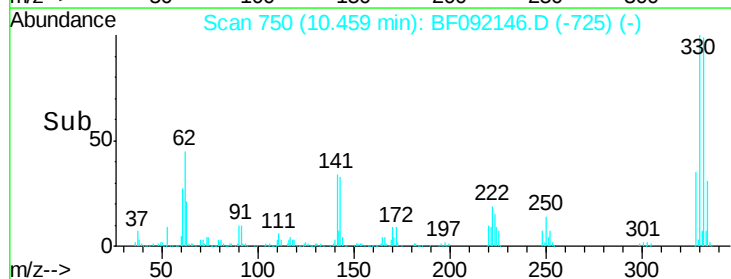
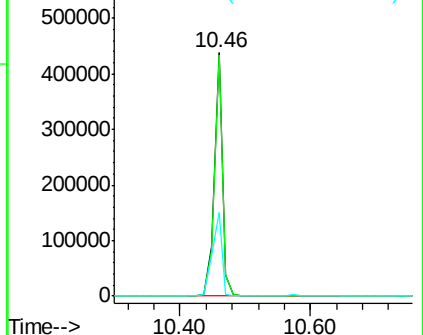


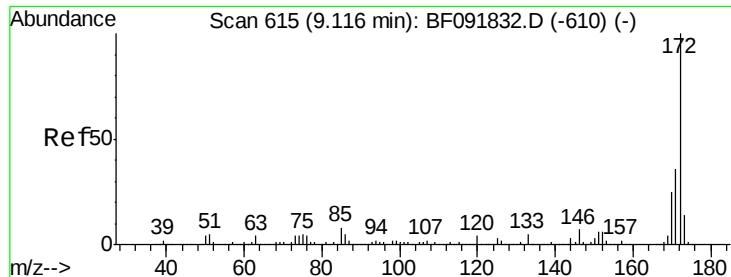
#41
2,4,6-Tribromophenol
Concen: 144.64 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion:330 Resp: 397330
Ion Ratio Lower Upper
330 100
332 97.7 77.4 116.2
141 40.2 34.1 51.1



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: 120.92 ng

RT: 9.00 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

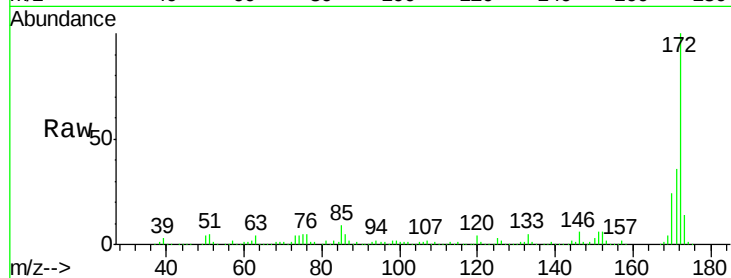
Tgt Ion:172 Resp: 1870651

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

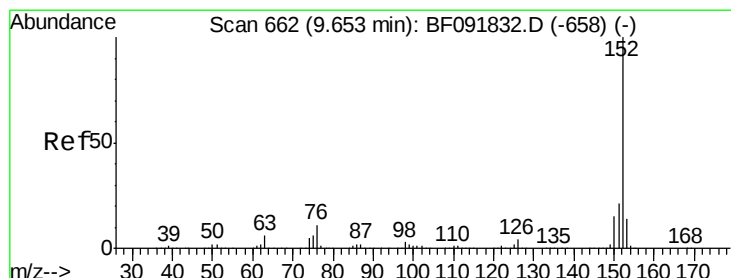
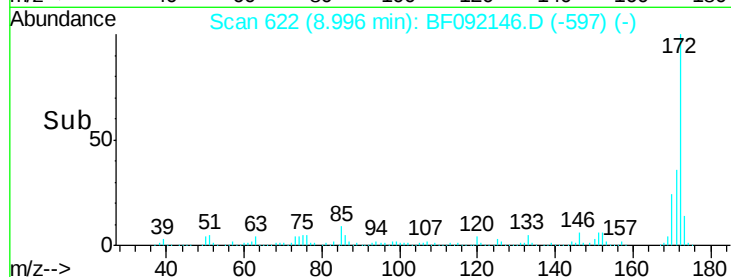
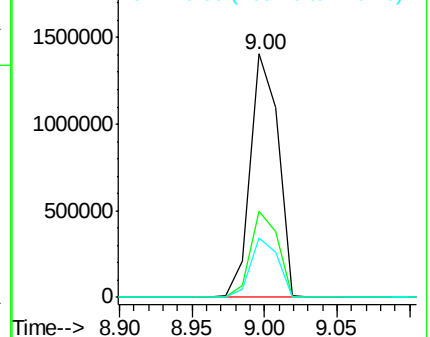
170 24.1 20.2 30.4



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: 4.92 ng

RT: 9.52 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

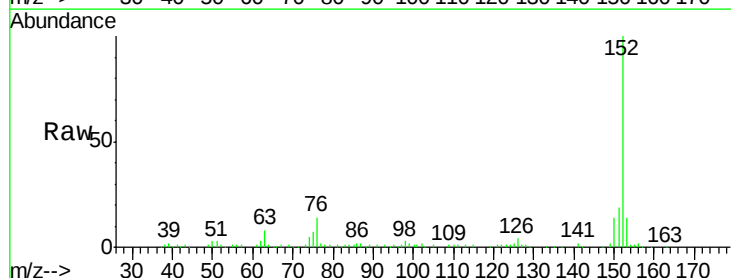
Tgt Ion:152 Resp: 136276

Ion Ratio Lower Upper

152 100

151 19.3 16.9 25.3

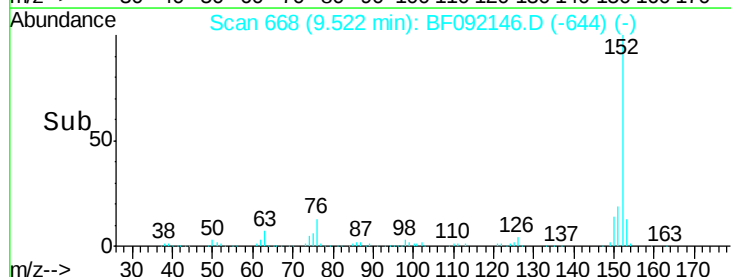
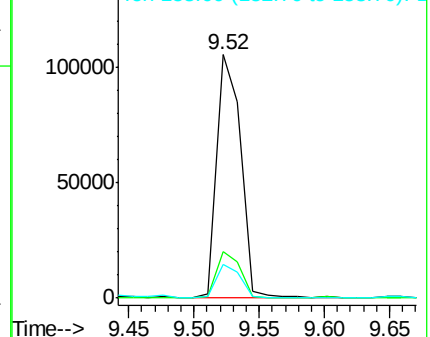
153 14.0 11.4 17.2

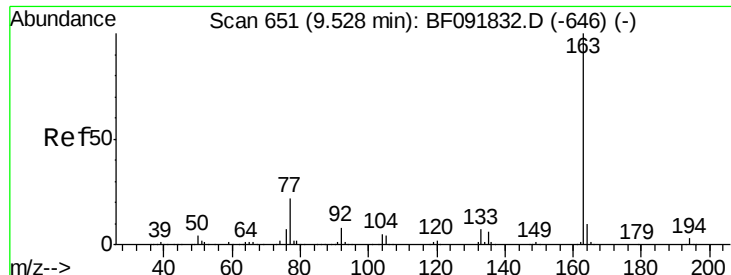


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

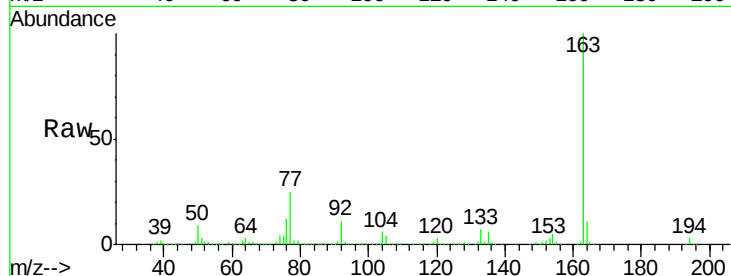




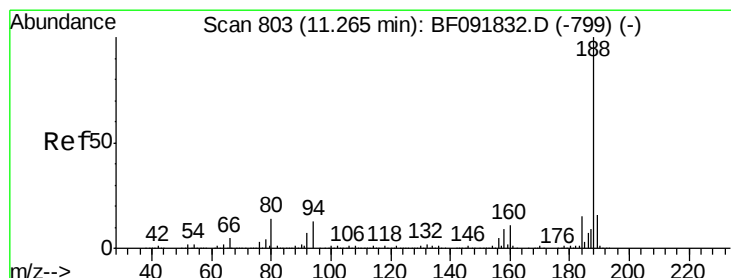
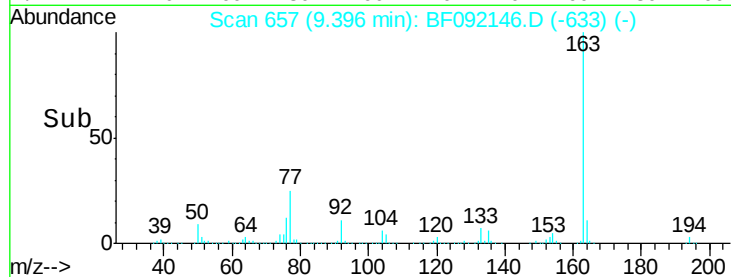
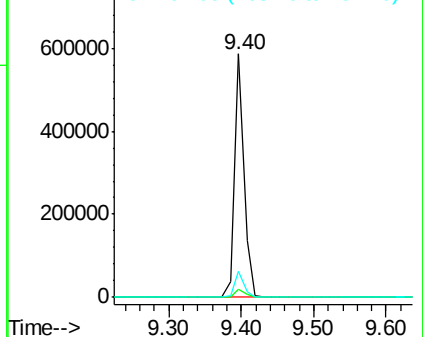
#49
Dimethylphthalate
Concen: 24.97 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion:163 Resp: 530033
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.6 8.0 12.0

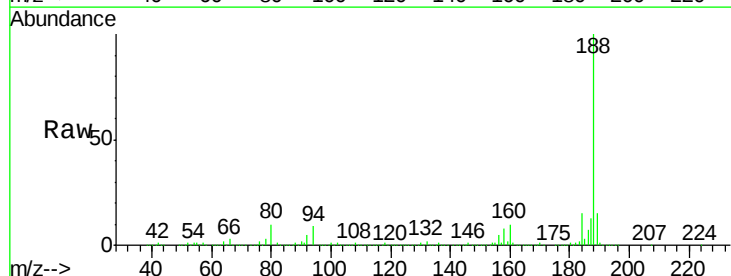


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

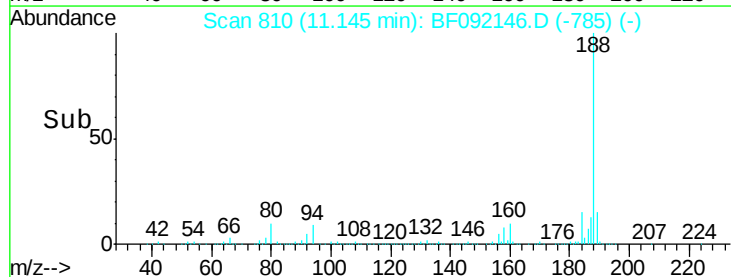
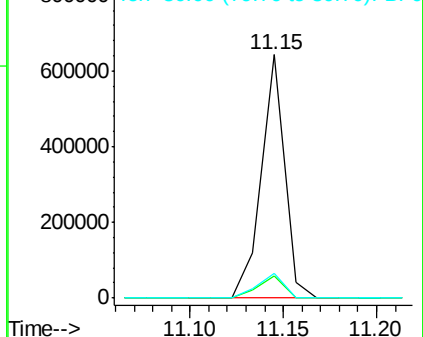


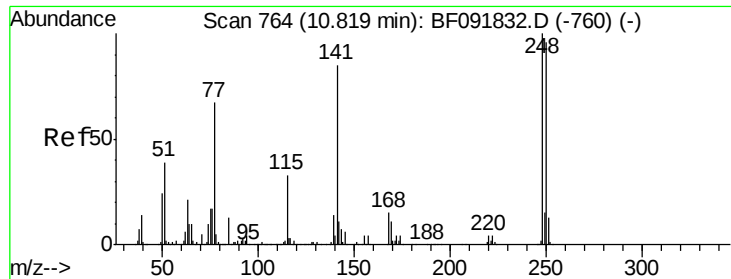
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion:188 Resp: 555803
Ion Ratio Lower Upper
188 100
94 9.4 10.0 15.0#
80 10.2 11.2 16.8#



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

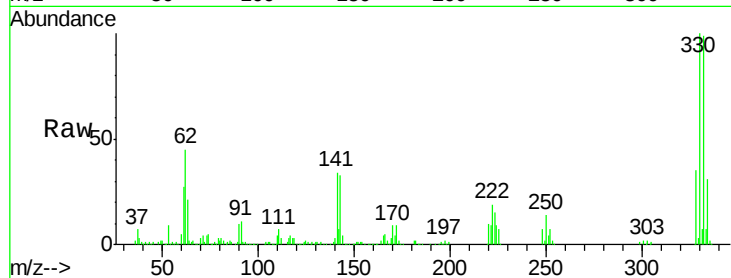




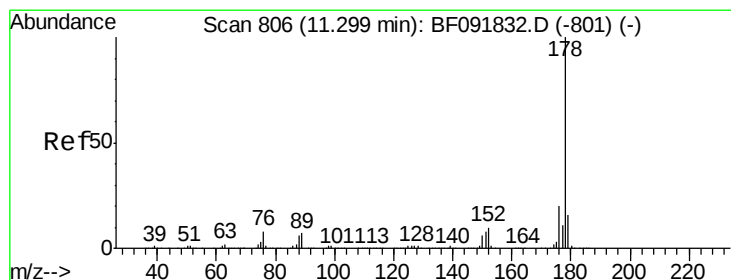
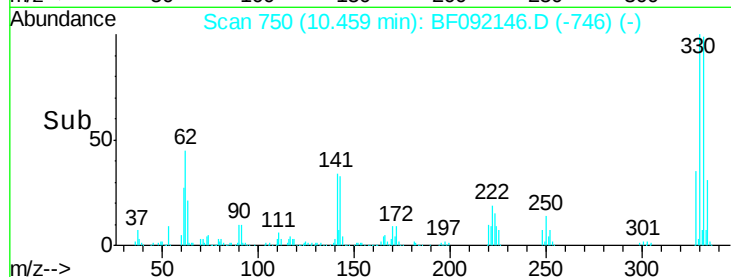
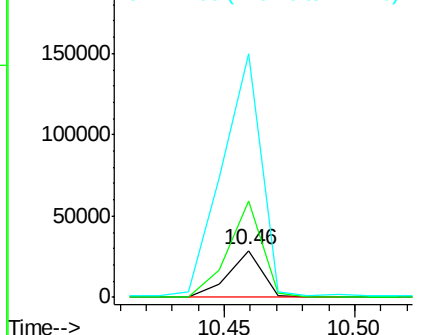
#66
 4-Bromophenyl-phenylether
 Concen: 4.56 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF092146.D
 Acq: 9 Jan 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 TP5-6-COMP11

Tgt Ion:248 Resp: 26339
 Ion Ratio Lower Upper
 248 100
 250 205.0 76.9 115.3#
 141 516.8 68.2 102.4#

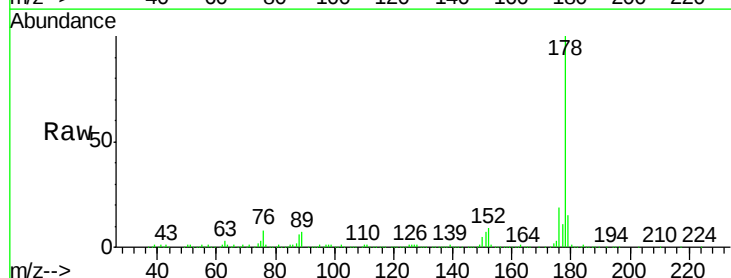


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

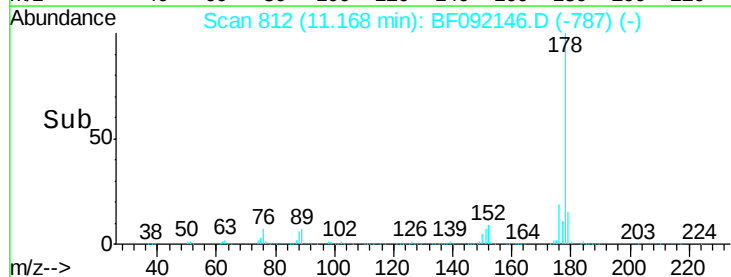
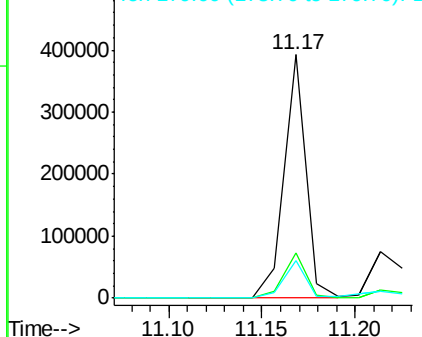


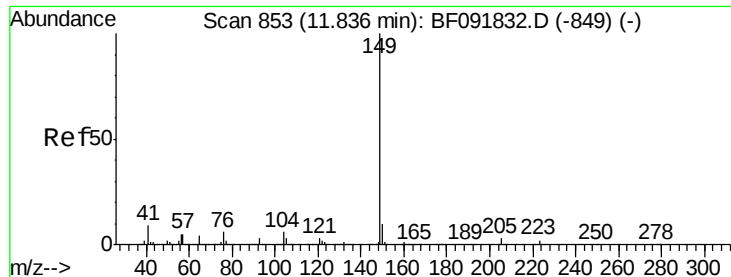
#70
 Phenanthrene
 Concen: 10.58 ng
 RT: 11.17 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF092146.D
 Acq: 9 Jan 2017 19:15

Tgt Ion:178 Resp: 318961
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.6 25.0
 179 15.5 12.8 19.2



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

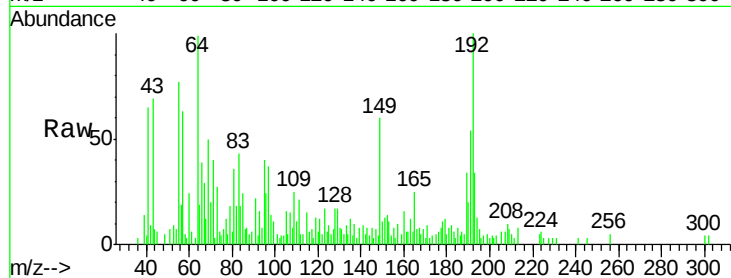
Tgt Ion:149 Resp: 9058

Ion Ratio Lower Upper

149 100

150 18.3 8.1 12.1#

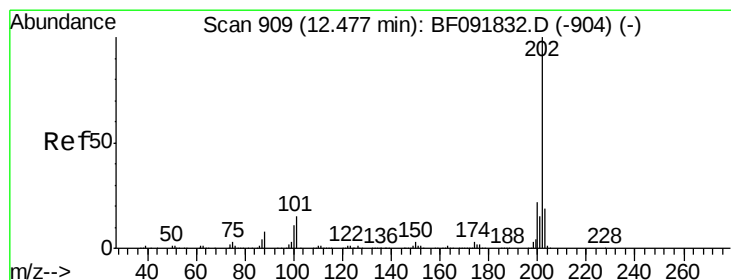
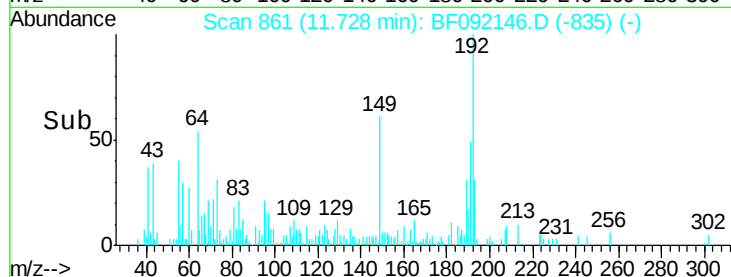
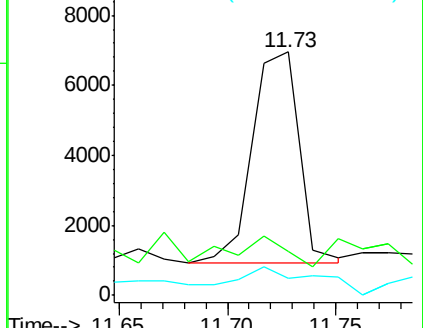
104 7.2 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 15.06 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

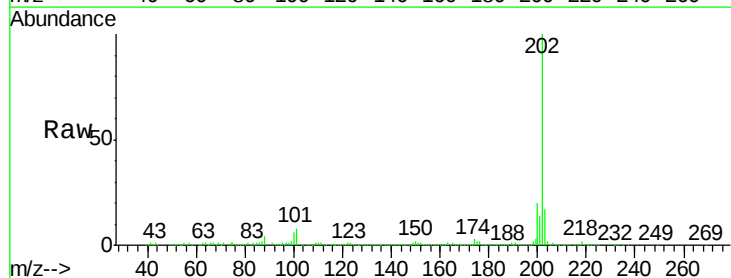
Tgt Ion:202 Resp: 465359

Ion Ratio Lower Upper

202 100

101 7.7 0.0 34.6

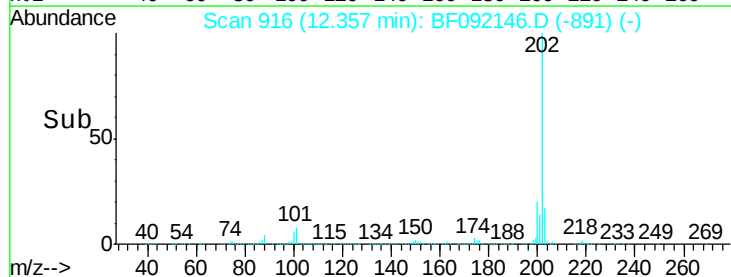
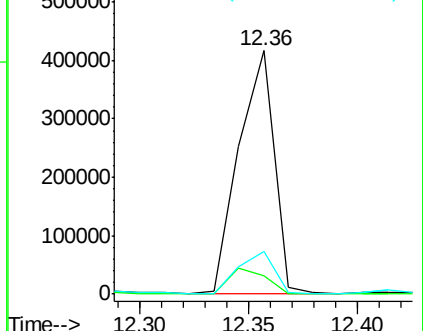
203 17.3 0.0 38.7

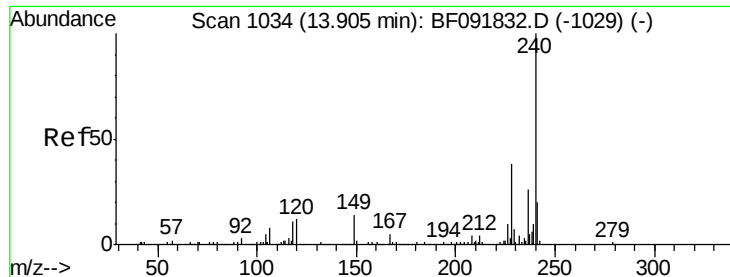


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

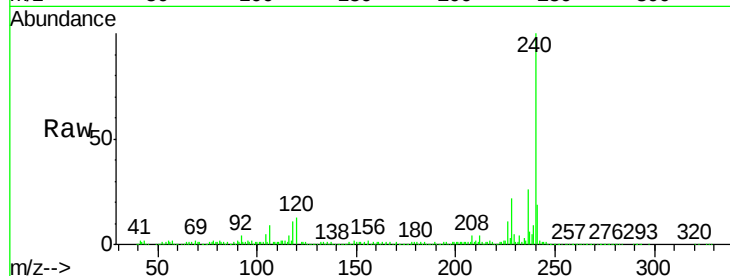
Tgt Ion:240 Resp: 362386

Ion Ratio Lower Upper

240 100

120 13.4 12.9 19.3

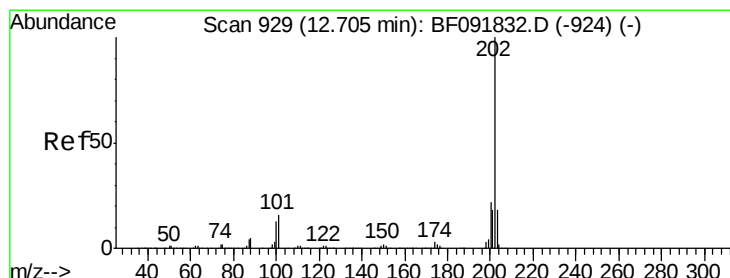
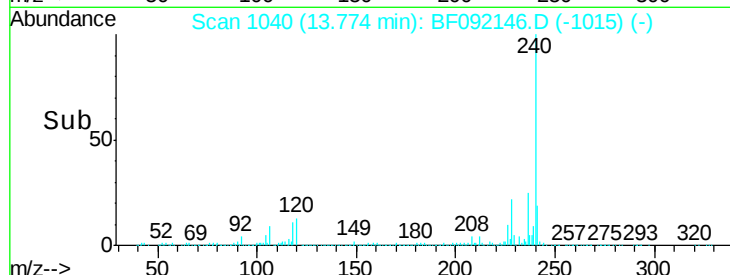
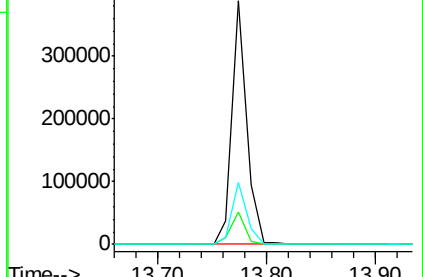
236 25.6 20.9 31.3



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: 19.91 ng

RT: 12.57 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

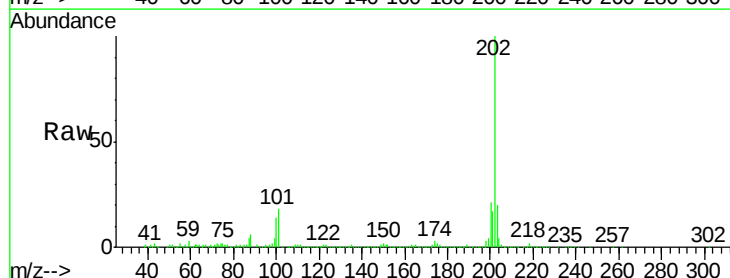
Tgt Ion:202 Resp: 529266

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

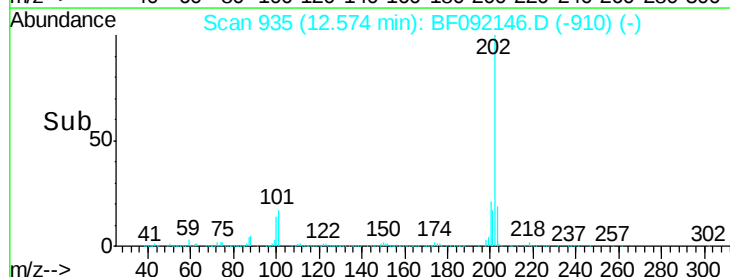
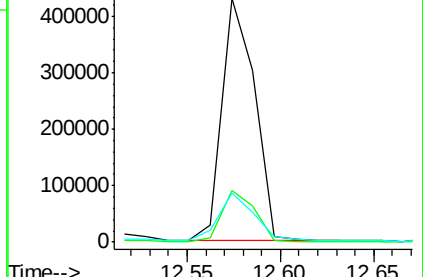
203 20.0 14.7 22.1

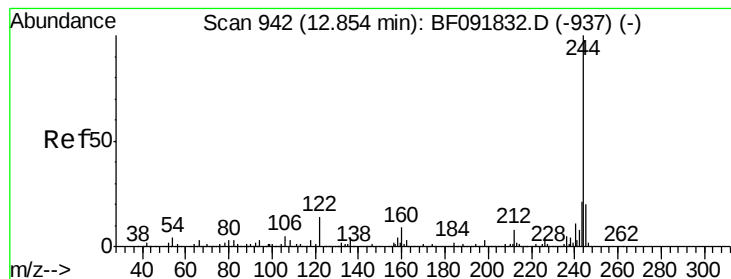


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 82.95 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

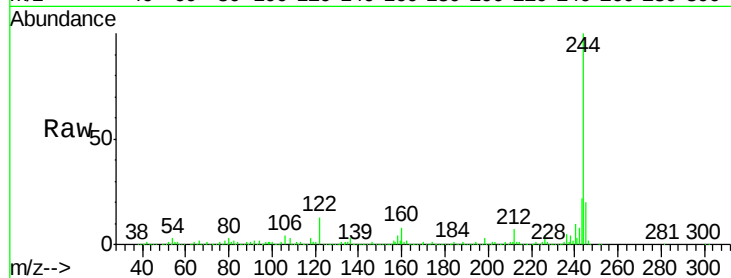
Tgt Ion:244 Resp: 1239436

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

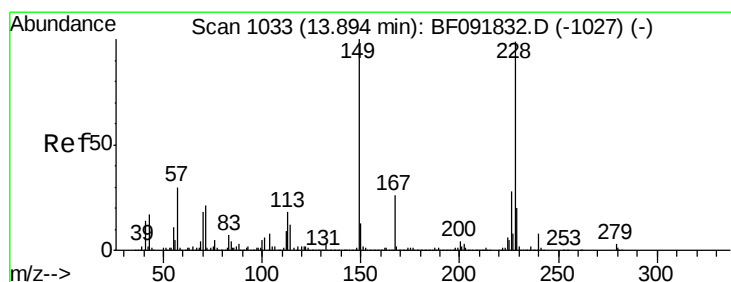
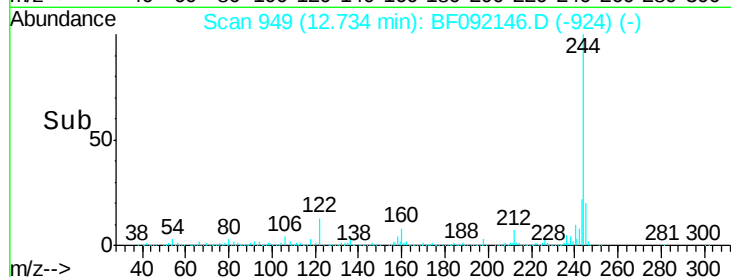
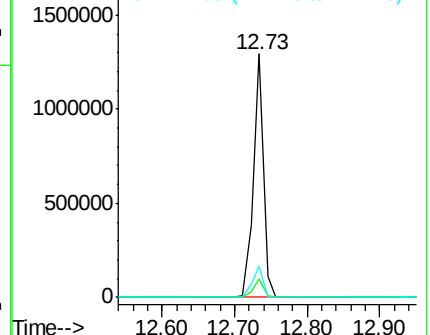
122 12.6 11.4 17.2



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: 9.64 ng

RT: 13.80 min Scan# 1042

Delta R.T. 0.02 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

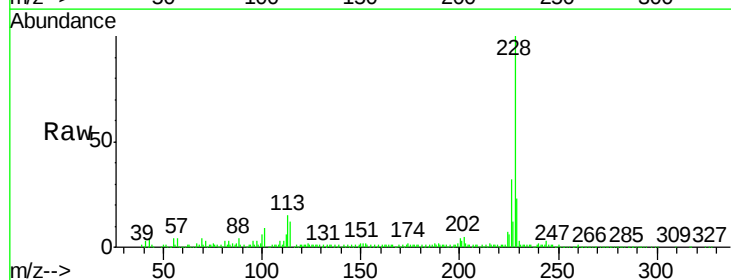
Tgt Ion:228 Resp: 197251

Ion Ratio Lower Upper

228 100

226 31.5 22.4 33.6

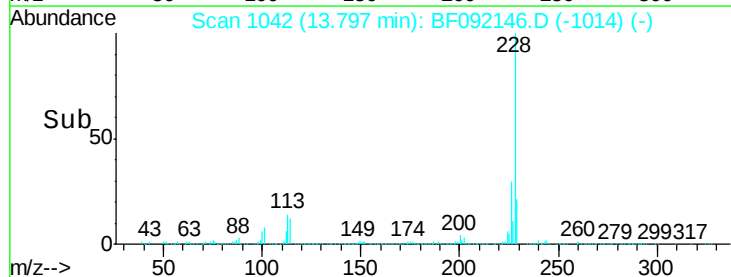
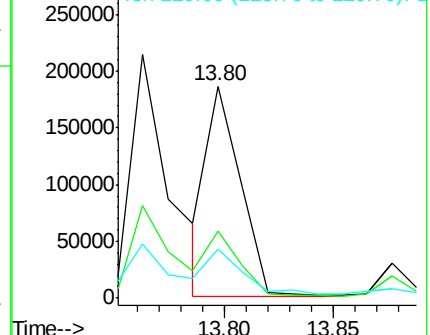
229 23.0 16.2 24.4

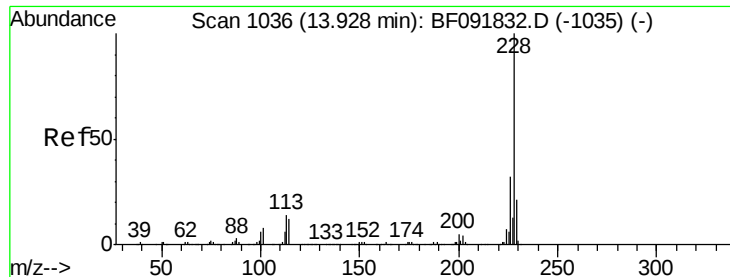


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.61 ng

RT: 13.80 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

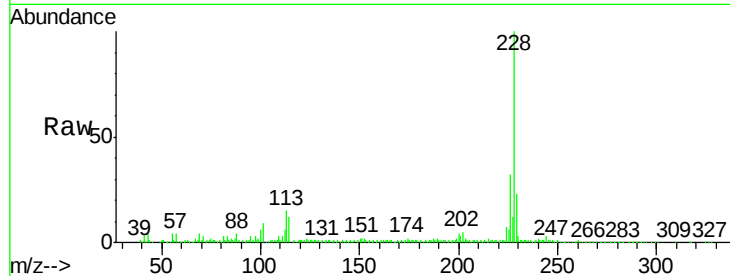
Tgt Ion:228 Resp: 197251

Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.0

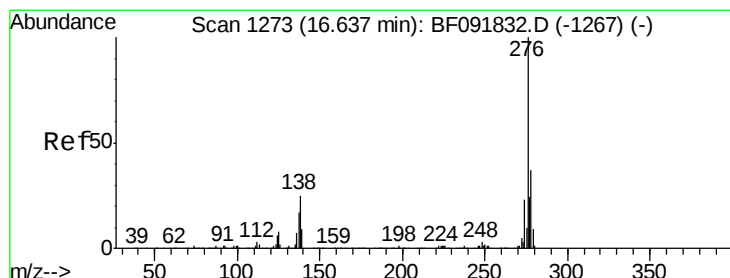
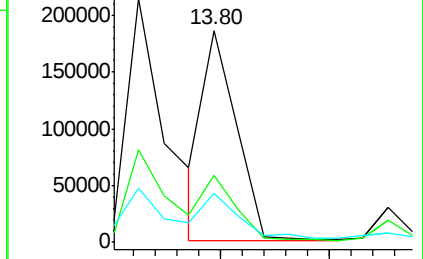
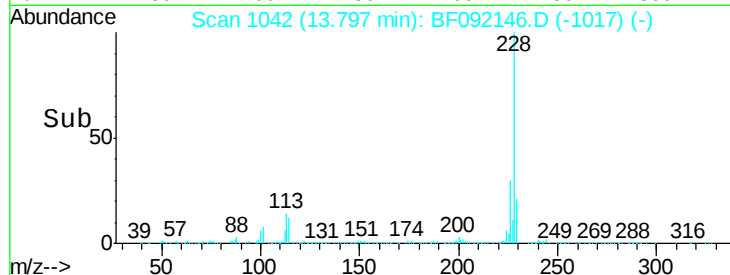
229 23.0 16.2 24.2



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: 9.17 ng

RT: 16.41 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

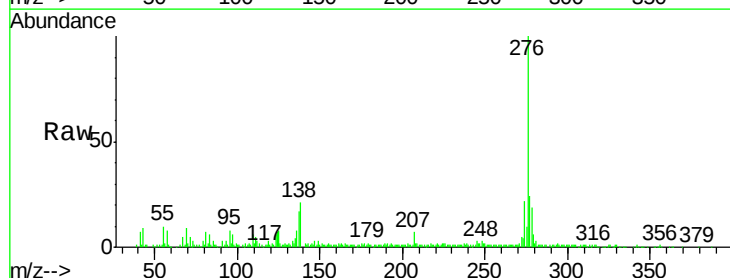
Tgt Ion:276 Resp: 163012

Ion Ratio Lower Upper

276 100

138 22.1 21.8 32.6

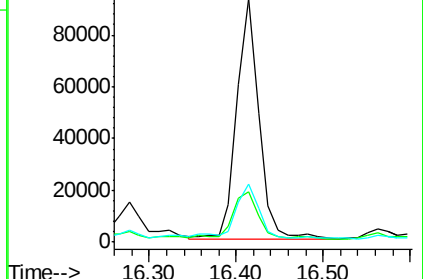
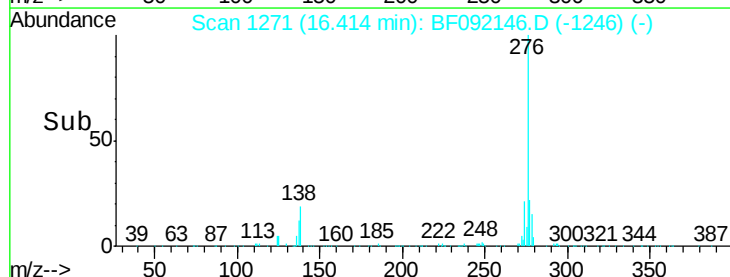
277 24.8 20.2 30.4

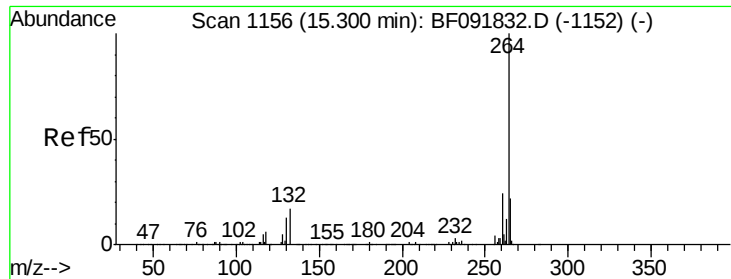


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



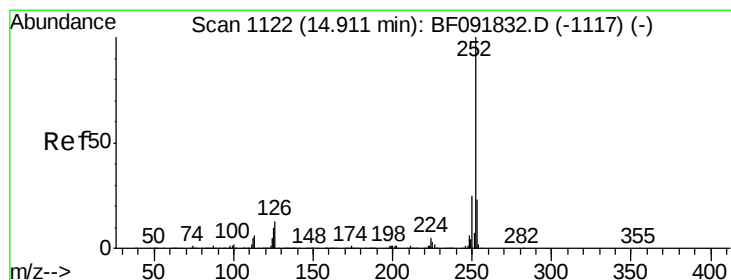
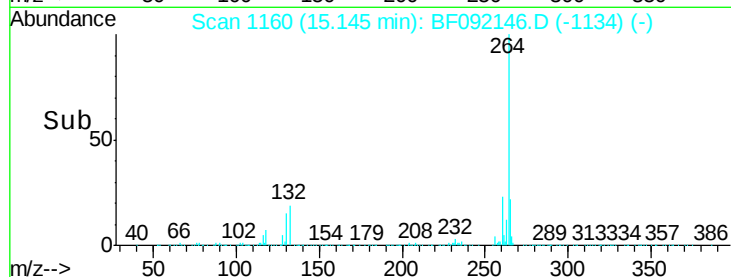
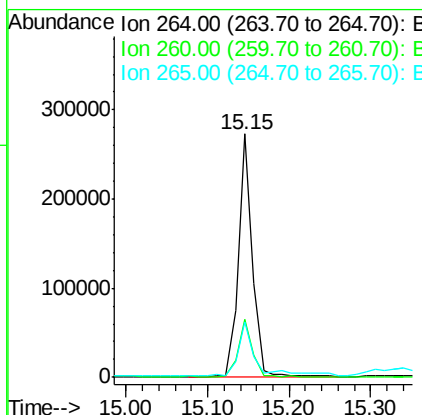
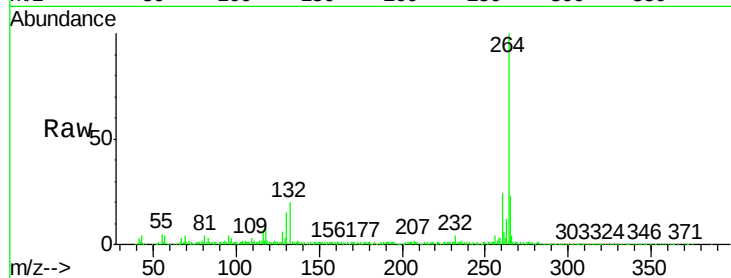


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion: 264 Resp: 323982

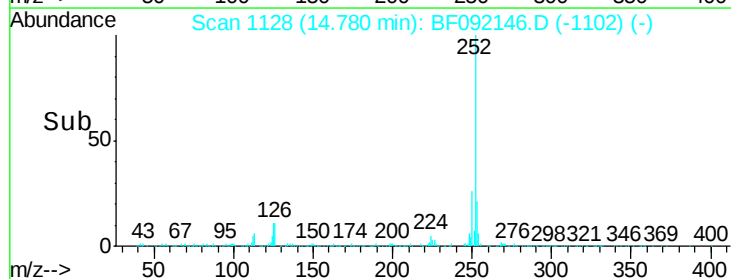
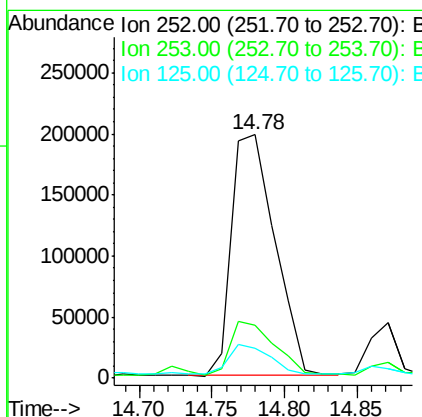
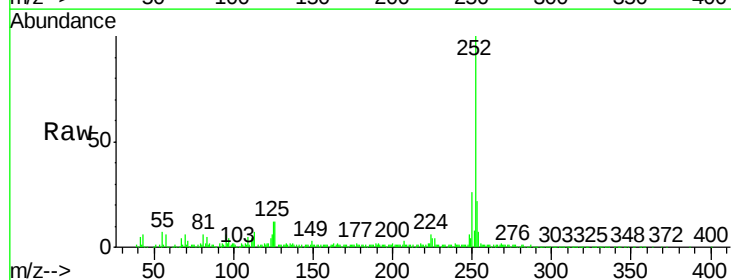
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.7	17.4	26.0

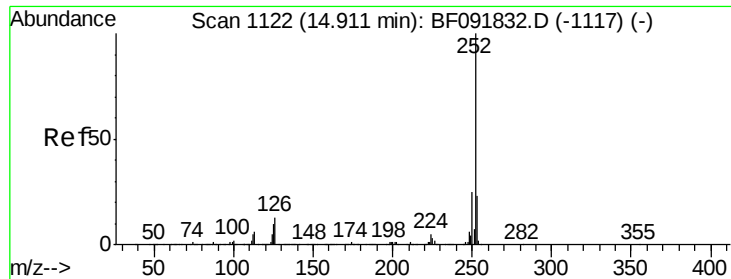


#87
Benzo(b)fluoranthene
Concen: 20.37 ng
RT: 14.78 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion: 252 Resp: 410797

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	12.2	9.8	14.6

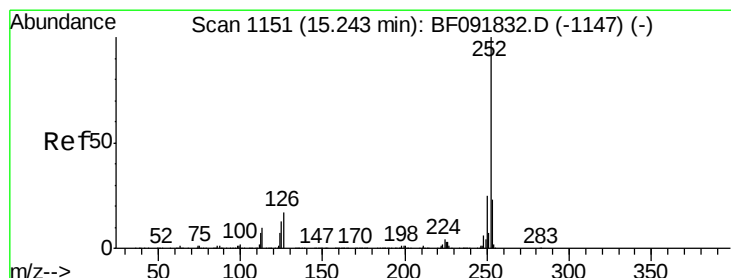
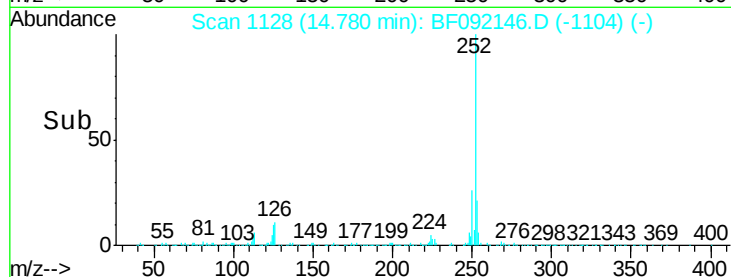
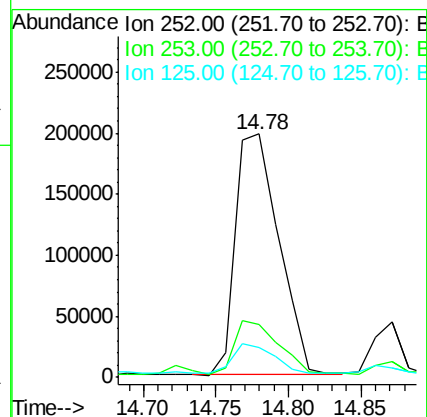
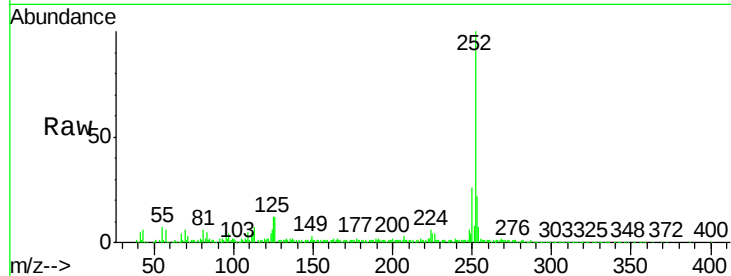




#88
Benzo(k)fluoranthene
Concen: 23.83 ng
RT: 14.78 min Scan# 1128
Delta R.T. -0.02 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

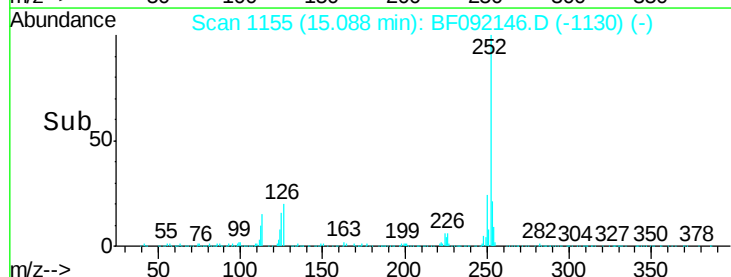
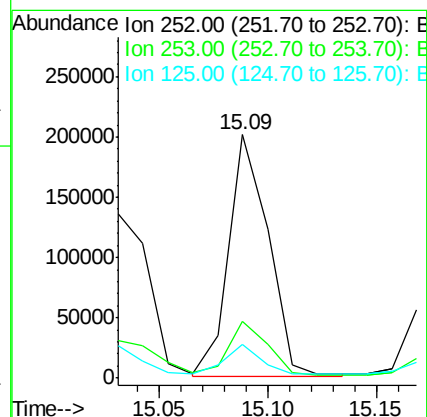
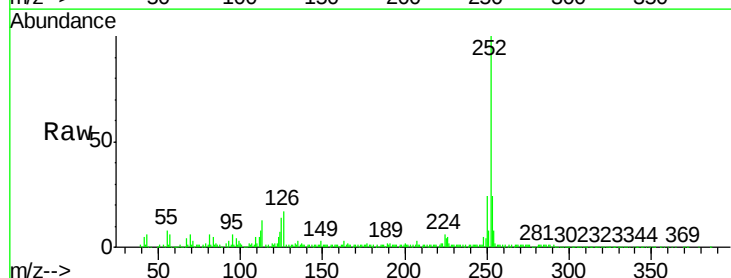
Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

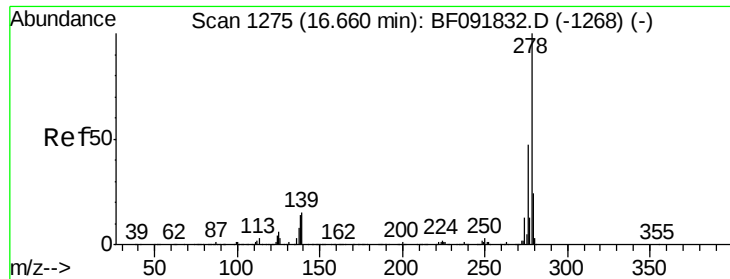
Tgt Ion:252 Resp: 409966
Ion Ratio Lower Upper
252 100
253 21.8 18.5 27.7
125 12.2 8.9 13.3



#89
Benzo(a)pyrene
Concen: 14.12 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion:252 Resp: 252800
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 14.0 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 2.26 ng

RT: 16.41 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

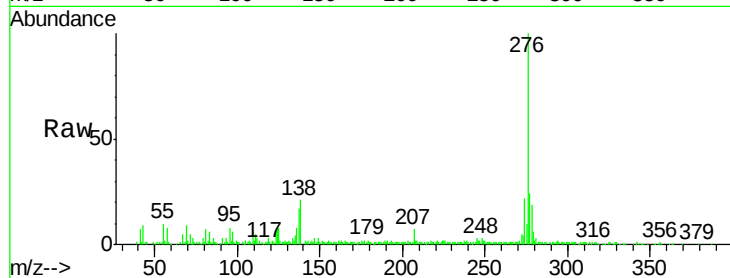
Tgt Ion:278 Resp: 33316

Ion Ratio Lower Upper

278 100

139 0.0 14.8 22.2#

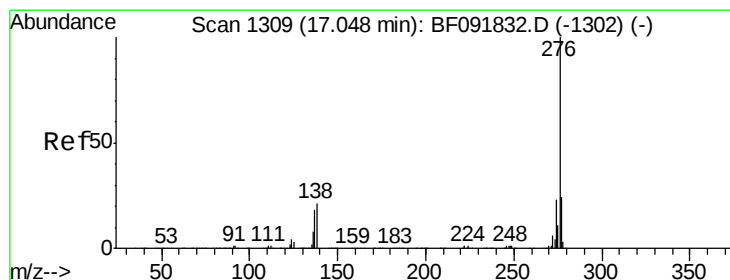
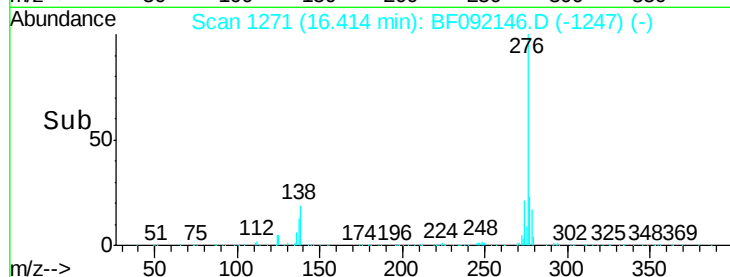
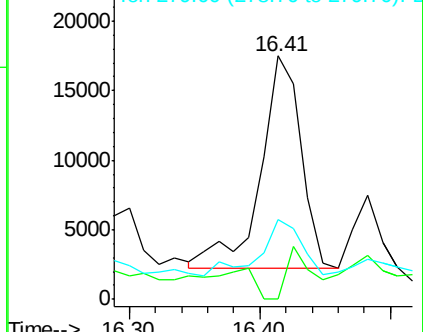
279 32.6 19.8 29.6#



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: 12.74 ng

RT: 16.79 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

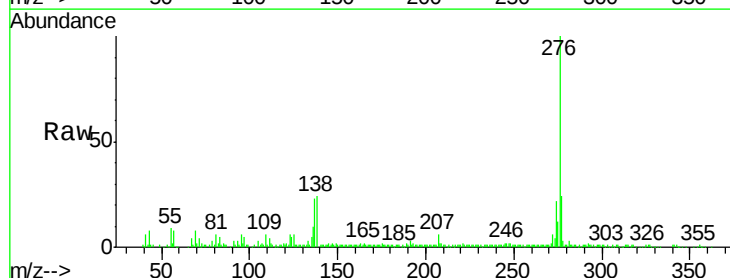
Tgt Ion:276 Resp: 194926

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 23.8 16.0 24.0



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

