

Data Path : Z:\HPCHEM1\BNA_F\Data\BF111617\
 Data File : BF100629.D
 Acq On : 16 Nov 2017 14:37
 Operator : SJ/JU
 Sample : I6302-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-A

Quant Time: Nov 16 15:06:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 16 11:34:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	106850	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	424747	20.00	ng	-0.02
38) Acenaphthene-d10	9.92	164	198019	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	365257	20.00	ng	-0.02
75) Chrysene-d12	14.04	240	214264	20.00	ng	-0.02
86) Perylene-d12	15.52	264	250961	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	78358	11.76	ng	-0.02
7) Phenol-d6	6.49	99	97139	11.82	ng	-0.03
23) Nitrobenzene-d5	7.43	82	54464	8.48	ng	-0.04
41) 2,4,6-Tribromophenol	10.70	330	12532	6.21	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	125113	9.62	ng	-0.03
78) Terphenyl-d14	12.98	244	102456	10.99	ng	-0.03

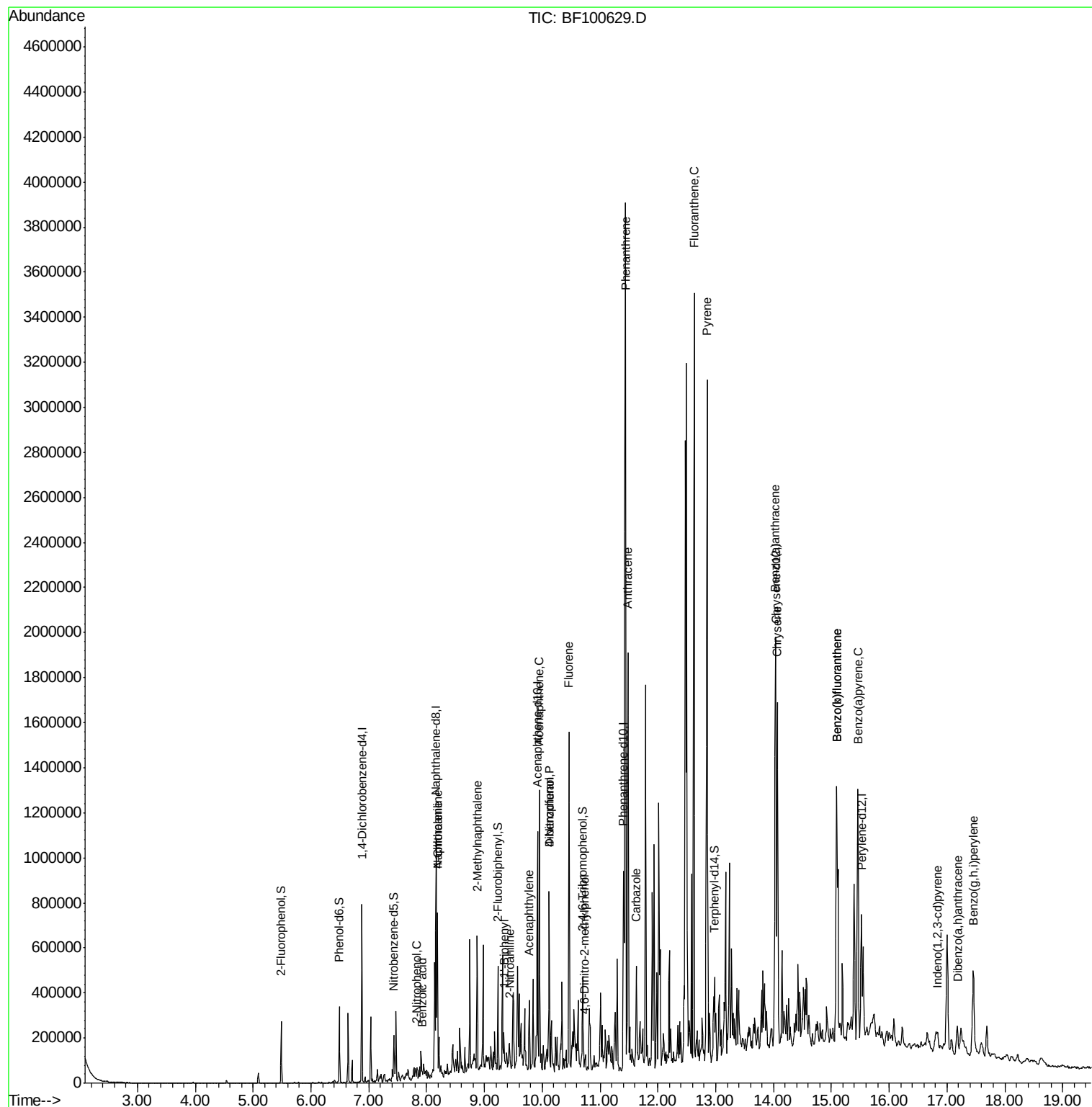
Target Compounds				Qvalue		
26) 2-Nitrophenol	7.83	139	111	5.411	ng	# 39
31) Naphthalene	8.19	128	309455	15.126	ng	99
32) Benzoic acid	7.93	122	1980	9.715	ng	99
33) 4-Chloroaniline	8.19	127	40902	4.803	ng	# 35
37) 2-Methylnaphthalene	8.87	142	150075	11.049	ng	97
45) 1,1'-Biphenyl	9.33	154	43776	2.556	ng	95
47) 2-Nitroaniline	9.43	65	1052	3.054	ng	# 55
48) Acenaphthylene	9.77	152	74510	3.619	ng	# 96
51) Acenaphthene	9.95	154	237321	18.951	ng	99
54) Dibenzofuran	10.12	168	274612	15.646	ng	95
55) 4-Nitrophenol	10.12	139	98283	34.251	ng	# 10
57) Fluorene	10.46	166	405958	31.573	ng	99
64) 4,6-Dinitro-2-methylphenol	10.73	198	247	8.680	ng	# 1
70) Phenanthrene	11.44	178	1834553	95.394	ng	99
71) Anthracene	11.48	178	719973	36.901	ng	99
72) Carbazole	11.63	167	162048	9.001	ng	98
74) Fluoranthene	12.63	202	1696817	83.253	ng	98
77) Pyrene	12.86	202	1482569	97.068	ng	100
80) Benzo(a)anthracene	14.03	228	744489	57.699	ng	97
82) Chrysene	14.07	228	594460	47.577	ng	97
85) Indeno(1,2,3-cd)pyrene	16.84	276	65771	6.508	ng	95
87) Benzo(b)fluoranthene	15.09	252	1033046	69.481	ng	98
88) Benzo(k)fluoranthene	15.09	252	1033046	73.536	ng	98
89) Benzo(a)pyrene	15.46	252	589621	44.732	ng	96
90) Dibenzo(a,h)anthracene	17.18	278	81993	7.606	ng	95
91) Benzo(g,h,i)perylene	17.46	276	312946	29.657	ng	93

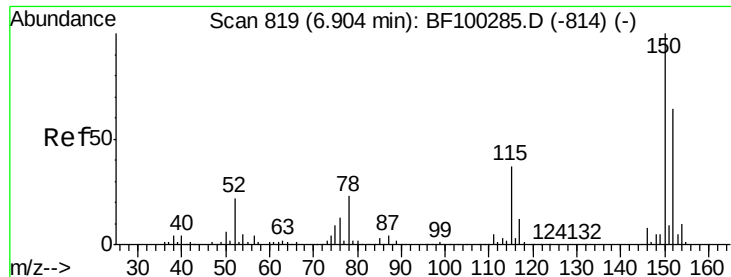
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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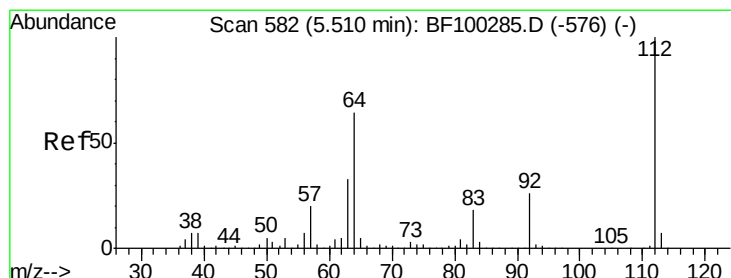
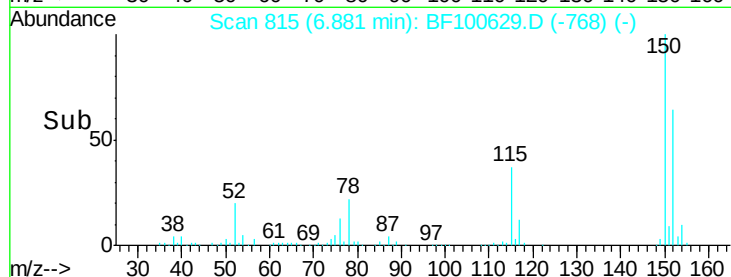
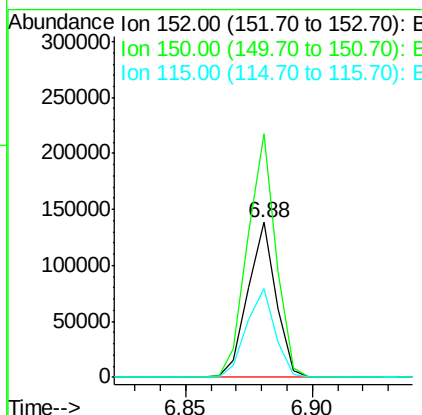
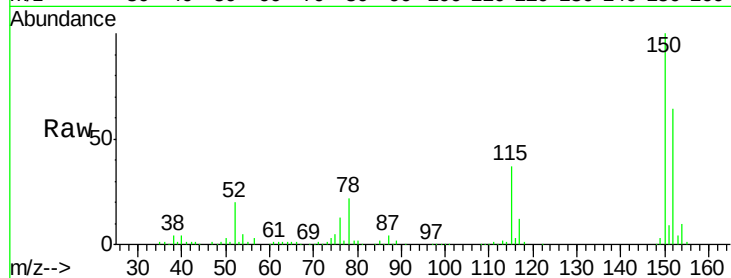


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF100629.D
 Acq: 16 Nov 2017 14:37

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-111317-A

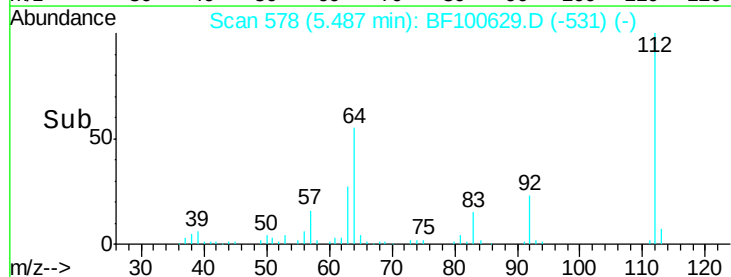
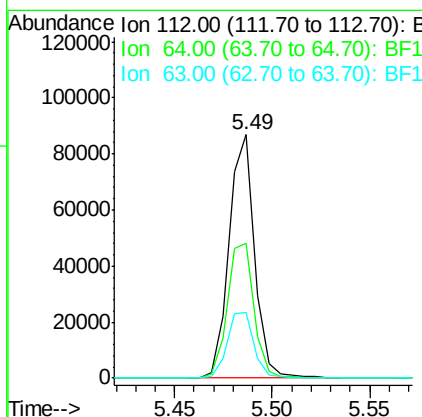
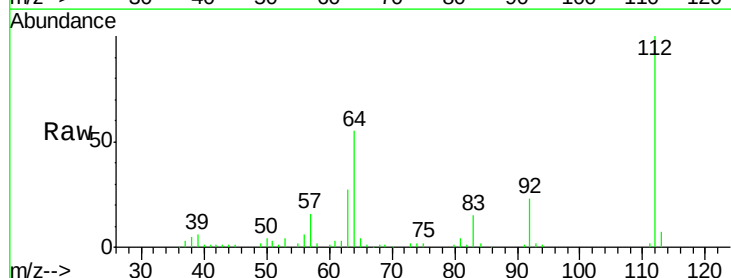
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	57.3	50.1	75.1

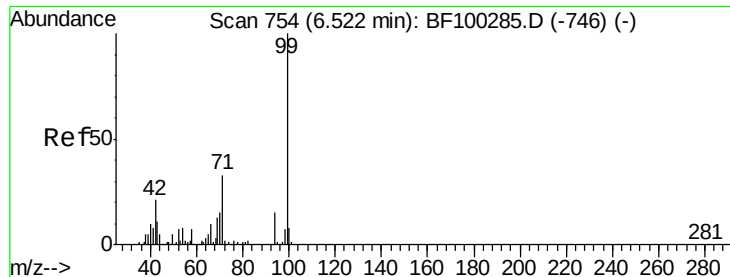


#5

2-Fluorophenol
 Concen: 11.755 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BF100629.D
 Acq: 16 Nov 2017 14:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	26.8	23.7	35.5





#7

Phenol-d6

Concen: 11.818 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.03 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

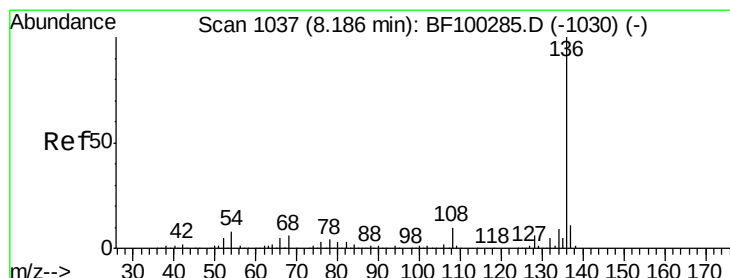
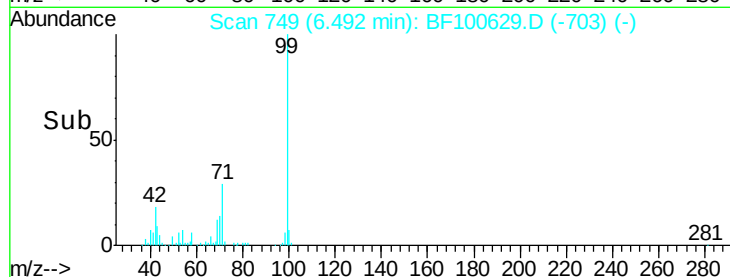
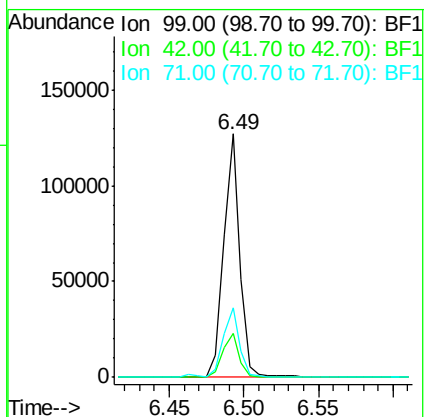
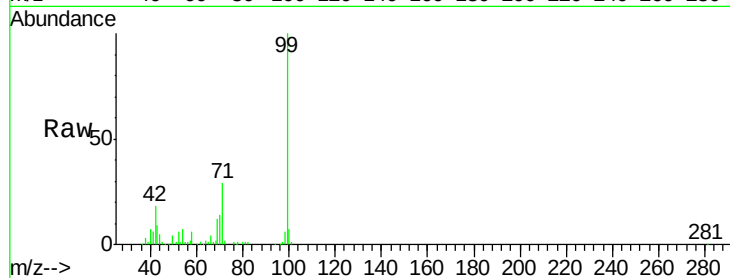
Tgt Ion: 99 Resp: 97139

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 28.8 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Tgt Ion: 136 Resp: 424747

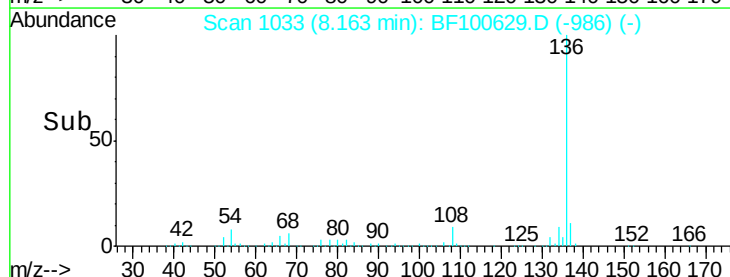
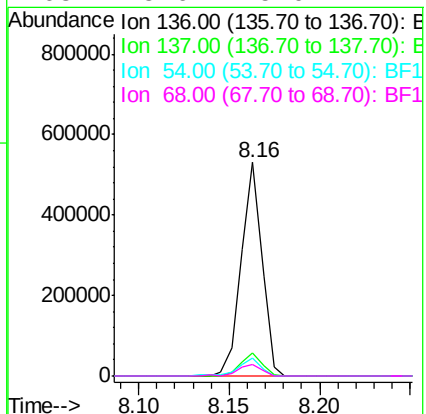
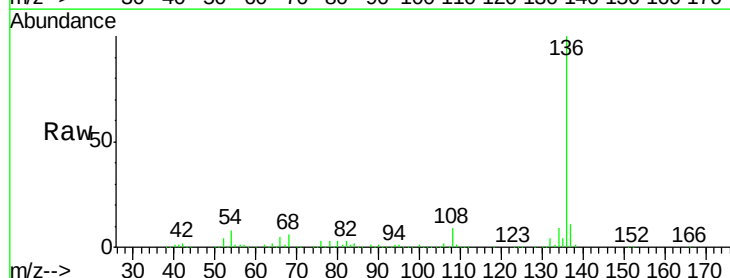
Ion Ratio Lower Upper

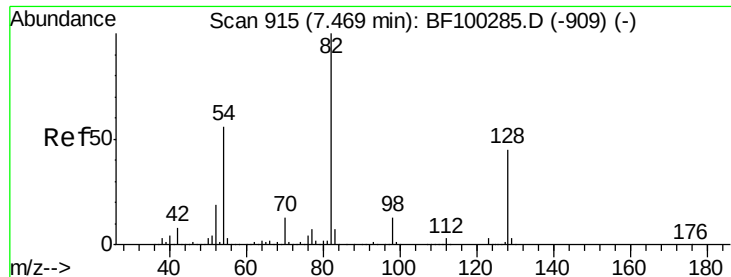
136 100

137 10.7 8.9 13.3

54 8.2 6.6 9.8

68 5.6 5.0 7.4

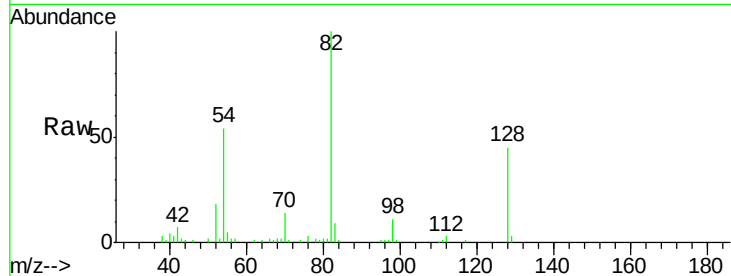




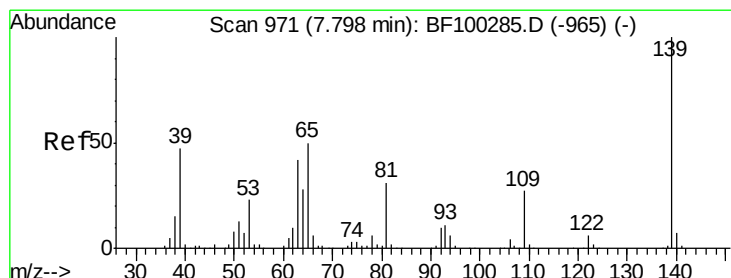
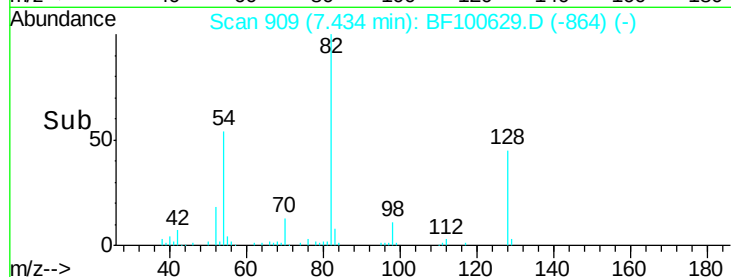
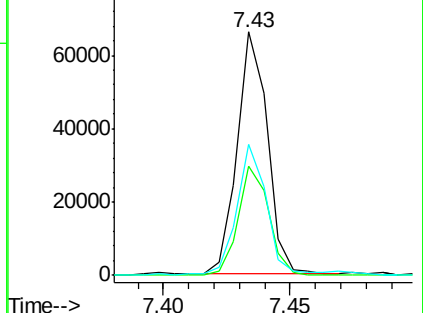
#23
Nitrobenzene-d5
Concen: 8.478 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.04 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Instrument :
BNA_F
ClientSampleId :
HR-04-111317-A

Tgt Ion: 82 Resp: 54464
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 54.0 41.4 62.2

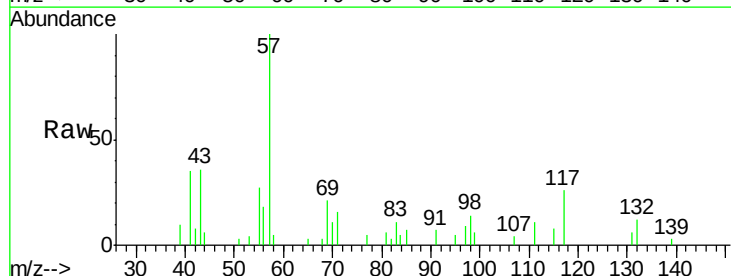


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

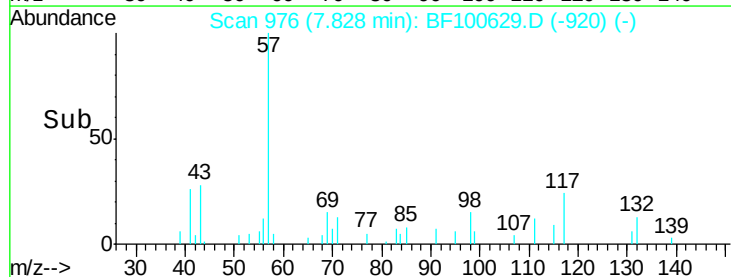
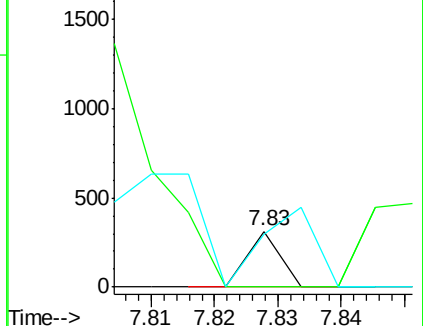


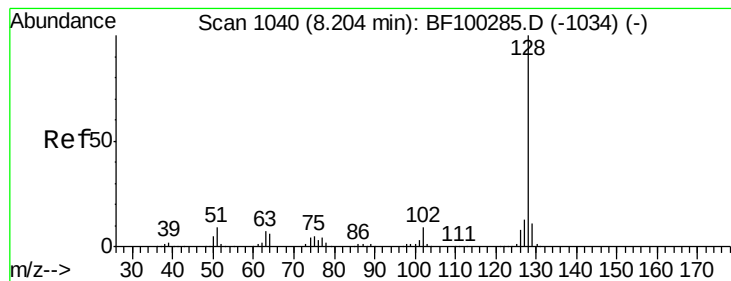
#26
2-Nitrophenol
Concen: 5.411 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.03 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Tgt Ion: 139 Resp: 111
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 95.5 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#31

Naphthalene

Concen: 15.126 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

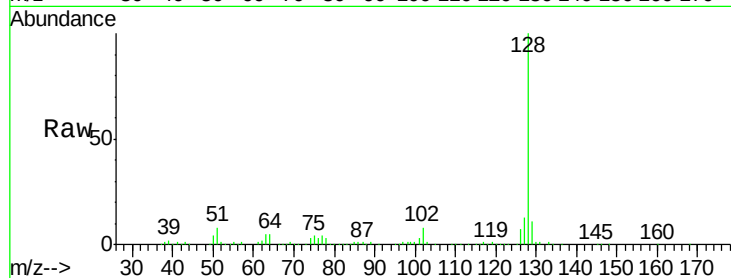
Tgt Ion:128 Resp: 309455

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

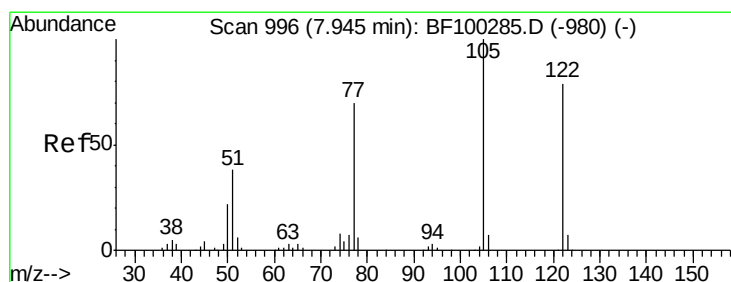
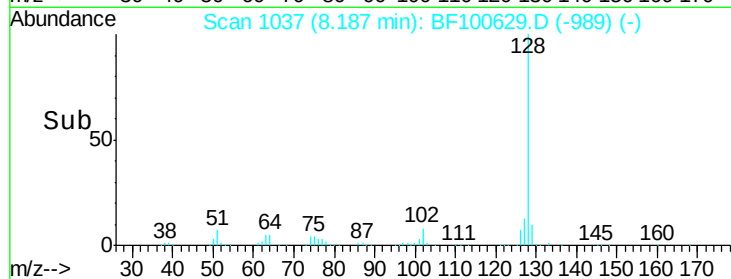
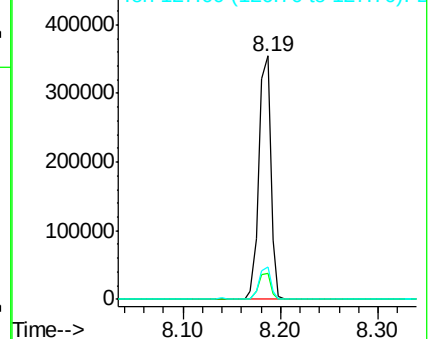
127 13.3 10.9 16.3



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



#32

Benzoic acid

Concen: 9.715 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

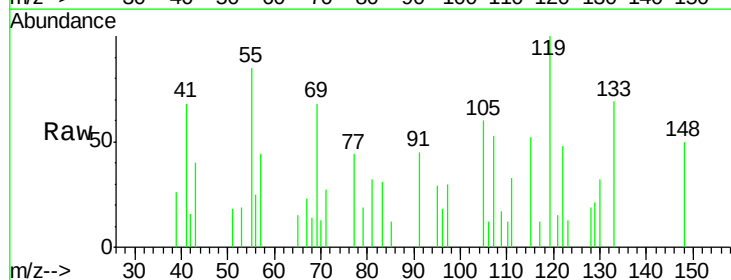
Tgt Ion:122 Resp: 1980

Ion Ratio Lower Upper

122 100

105 123.7 101.1 141.1

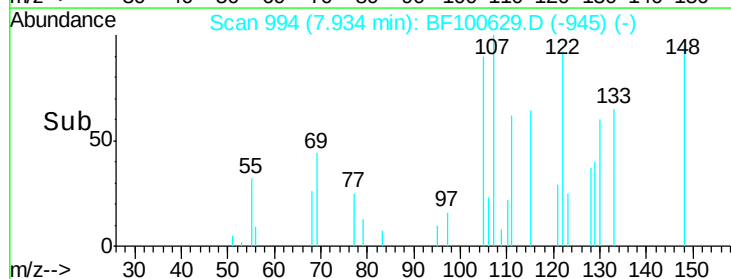
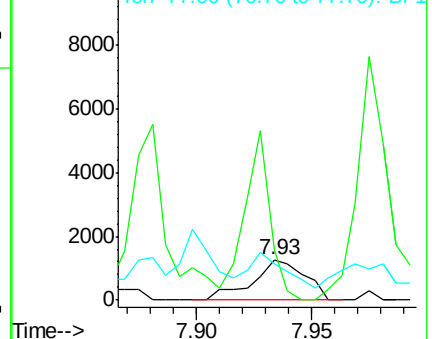
77 90.5 70.7 110.7

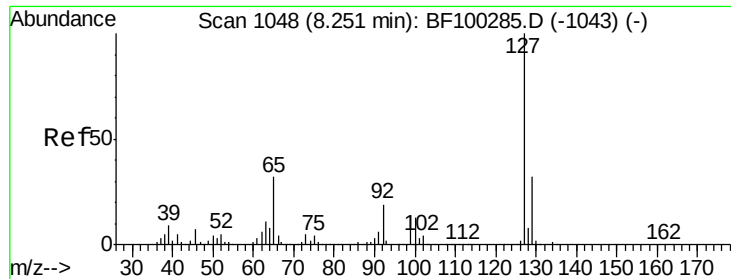


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

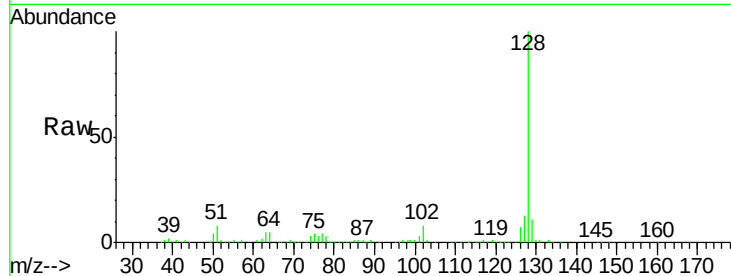




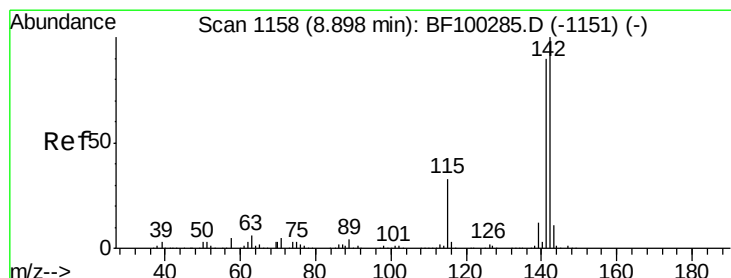
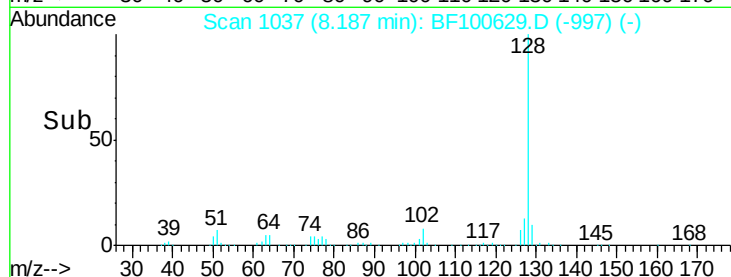
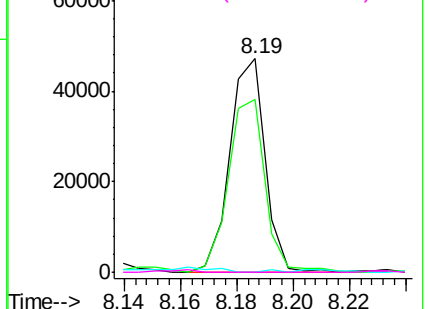
#33
4-Chloroaniline
Concen: 4.803 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.06 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

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ClientSampleId :
HR-04-111317-A

Tgt Ion:	127	Resp:	40902
Ion	Ratio	Lower	Upper
127	100		
129	80.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

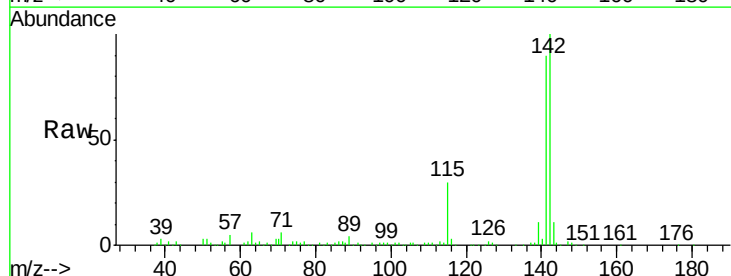


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

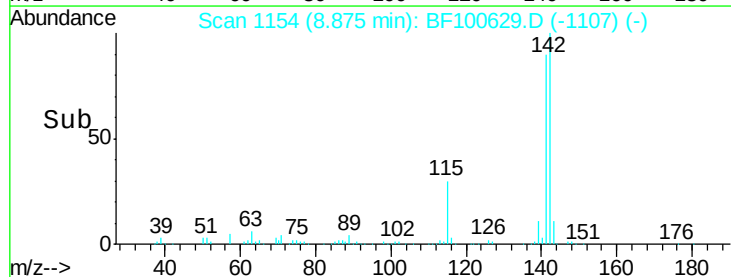
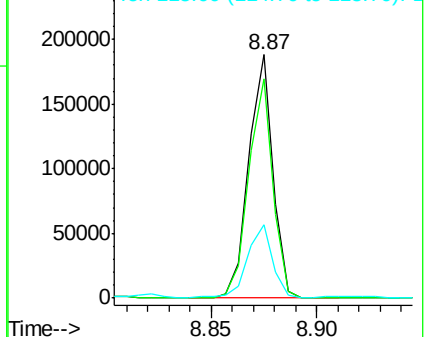


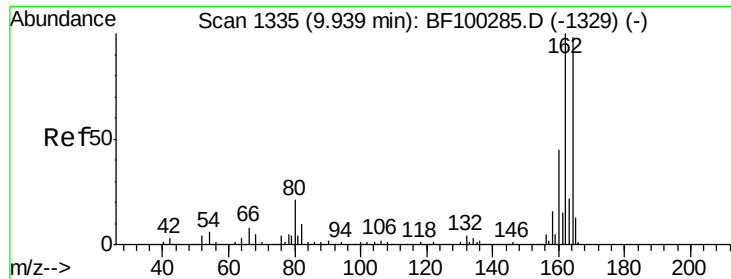
#37
2-Methylnaphthalene
Concen: 11.049 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Tgt Ion:	142	Resp:	150075
Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	30.1	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

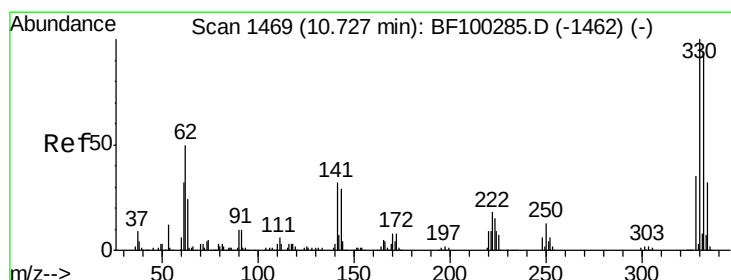
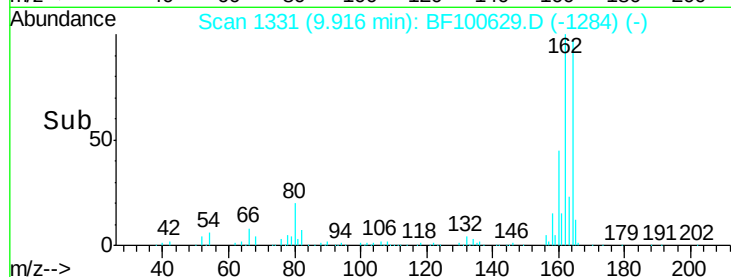
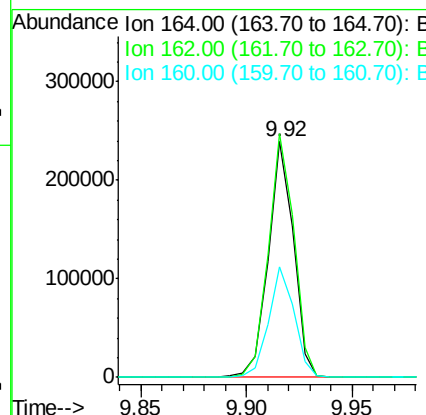
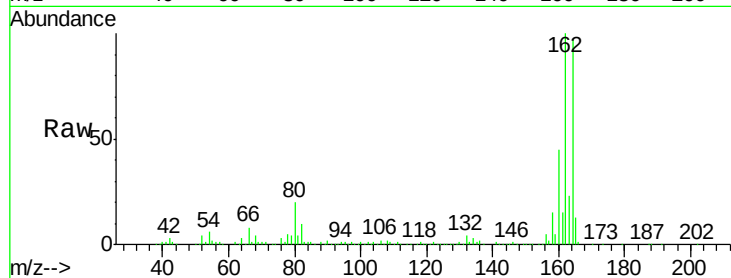




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF100629.D
 Acq: 16 Nov 2017 14:37

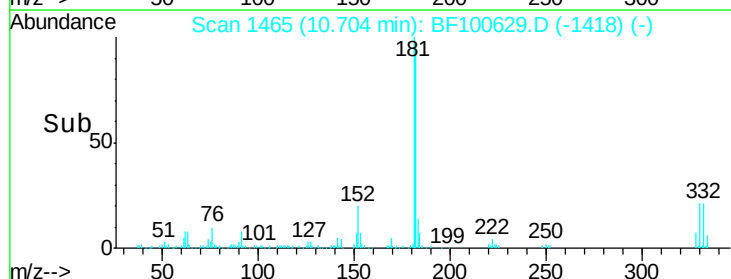
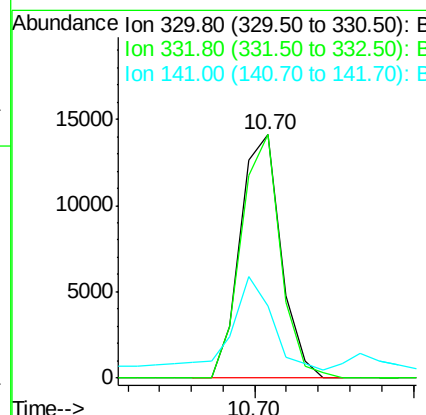
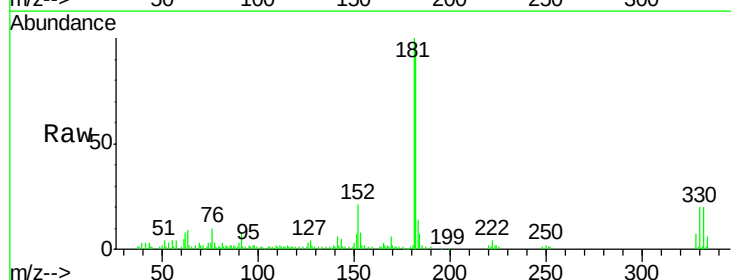
Instrument :
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 HR-04-111317-A

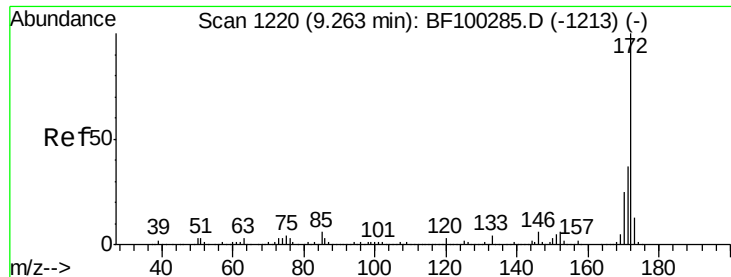
Tgt Ion:164 Resp: 198019
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 6.211 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF100629.D
 Acq: 16 Nov 2017 14:37

Tgt Ion:330 Resp: 12532
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 38.2 29.9 44.9

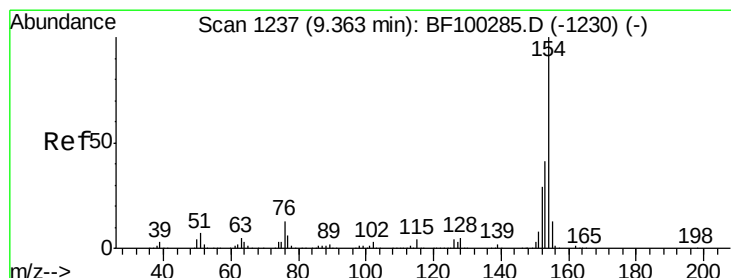
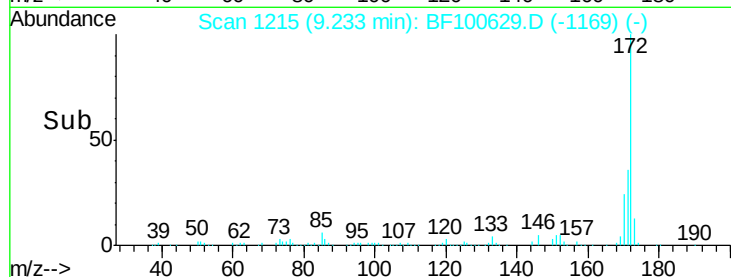
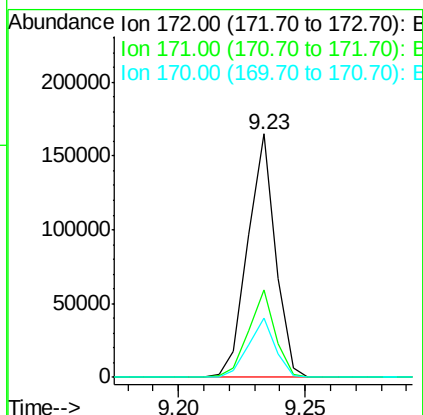
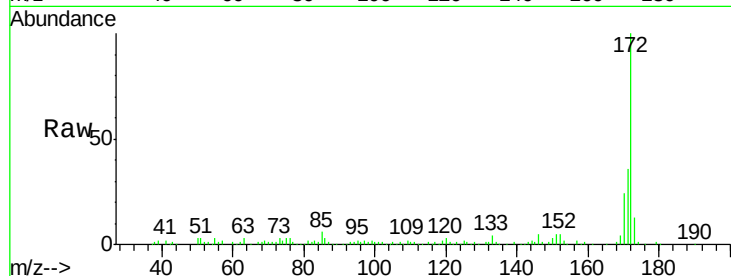




#44
2-Fluorobiphenyl
Concen: 9.621 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.03 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

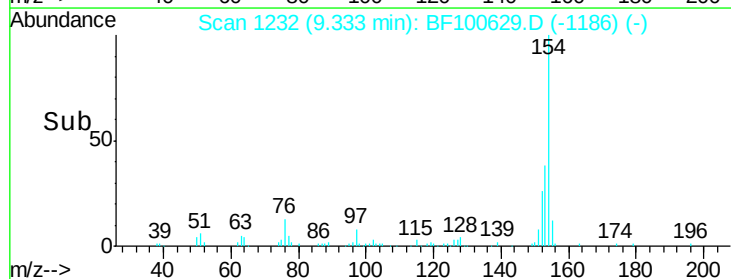
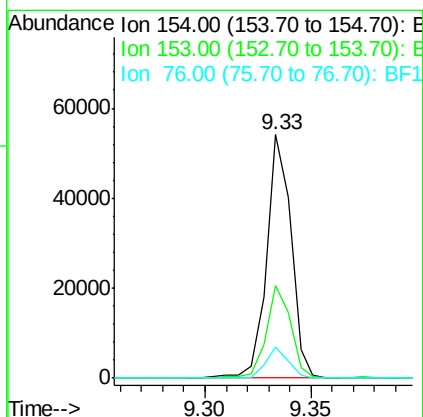
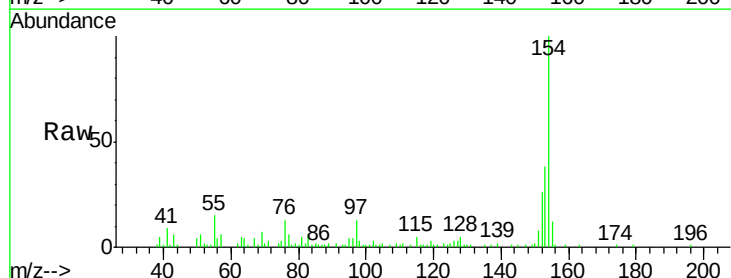
Instrument :
BNA_F
ClientSampleId :
HR-04-111317-A

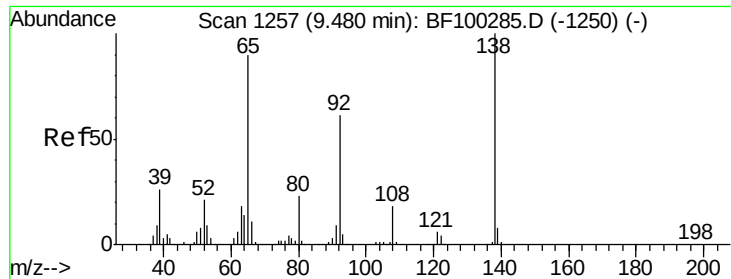
Tgt Ion:172 Resp: 125113
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 24.2 19.6 29.4



#45
1,1'-Biphenyl
Concen: 2.556 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.03 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Tgt Ion:154 Resp: 43776
Ion Ratio Lower Upper
154 100
153 37.9 21.3 61.3
76 13.1 0.0 34.0

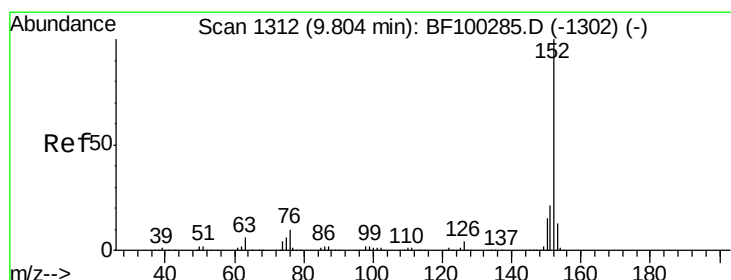
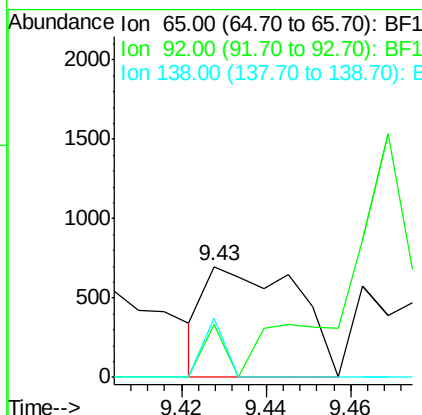
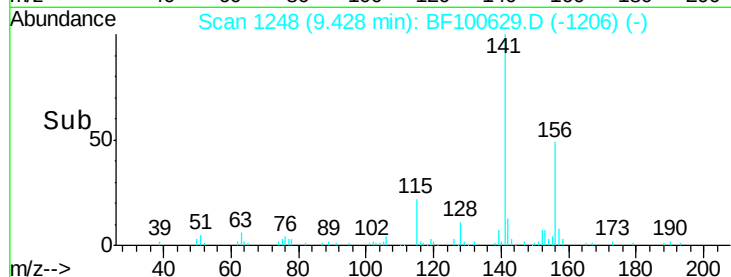
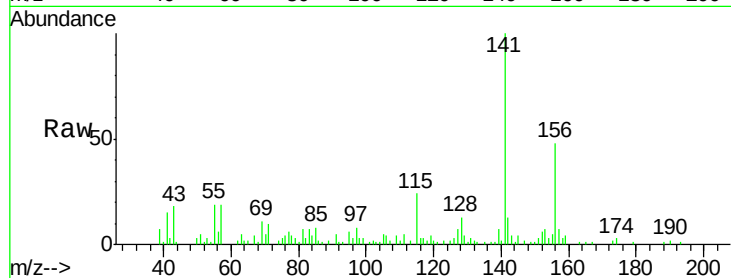




#47
2-Nitroaniline
Concen: 3.054 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.05 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

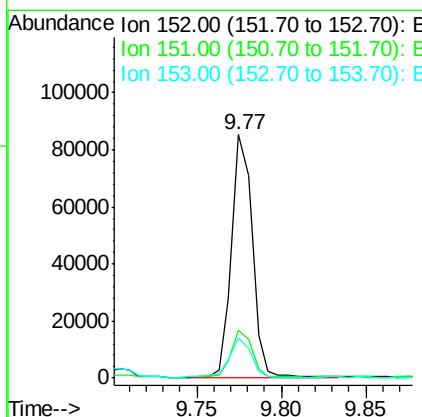
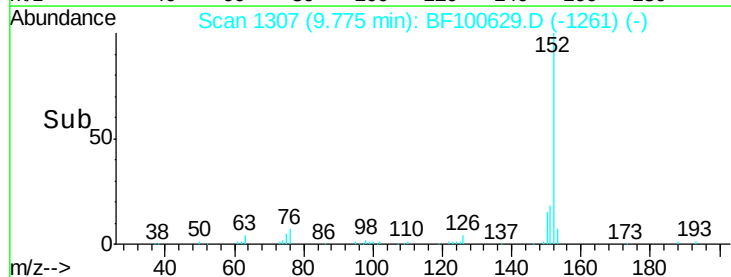
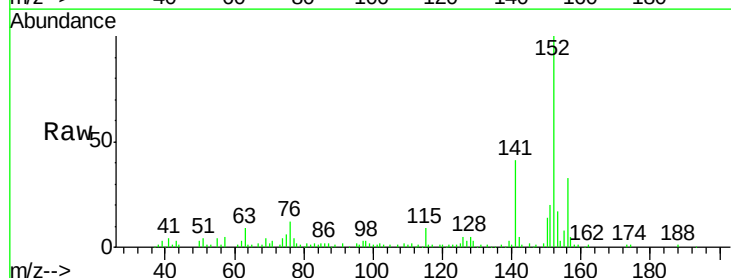
Instrument :
BNA_F
ClientSampleId :
HR-04-111317-A

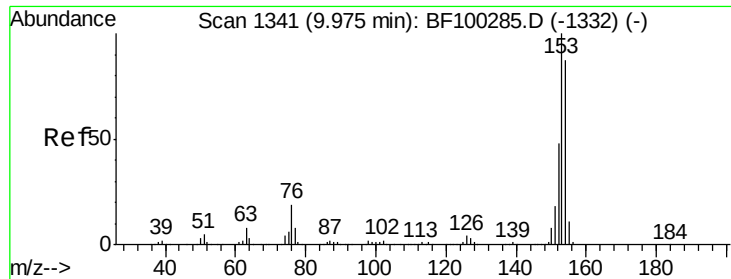
Tgt Ion: 65 Resp: 1052
Ion Ratio Lower Upper
65 100
92 48.2 55.8 83.6#
138 53.1 91.2 136.8#



#48
Acenaphthylene
Concen: 3.619 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Tgt Ion: 152 Resp: 74510
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 16.7 10.7 16.1#





#51

Acenaphthene

Concen: 18.951 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

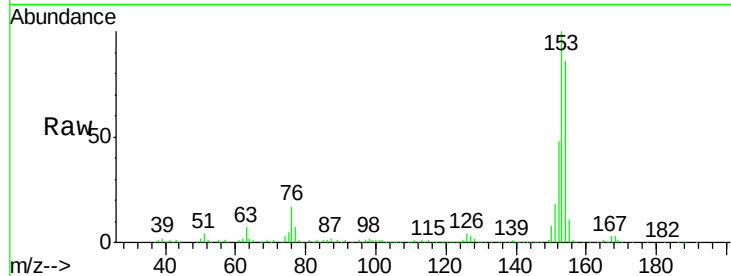
Tgt Ion:154 Resp: 237321

Ion Ratio Lower Upper

154 100

153 116.1 91.2 136.8

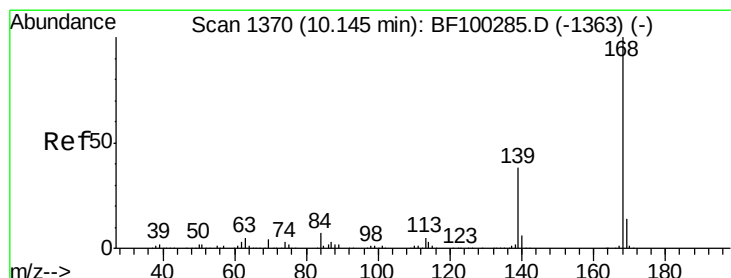
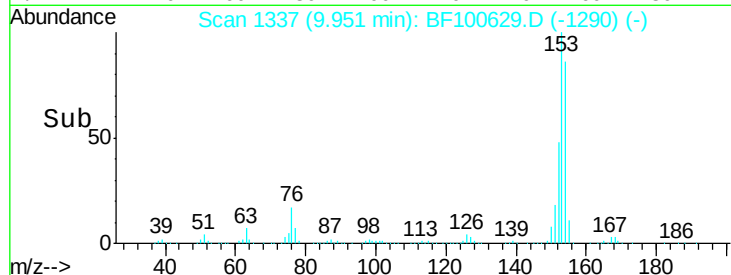
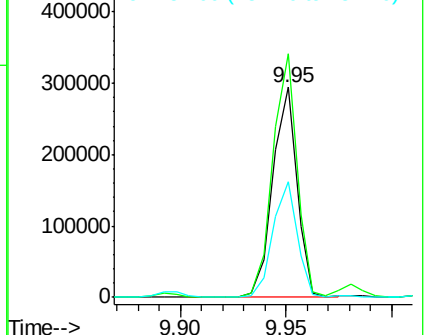
152 55.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 15.646 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

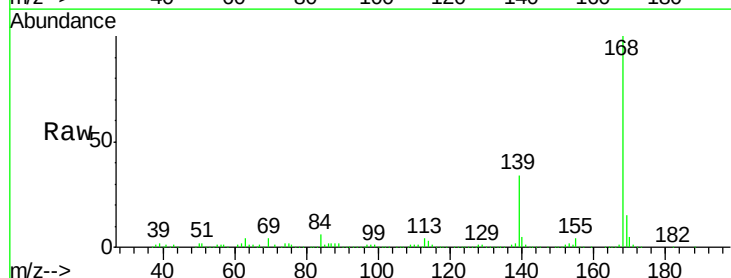
Tgt Ion:168 Resp: 274612

Ion Ratio Lower Upper

168 100

139 34.4 30.1 45.1

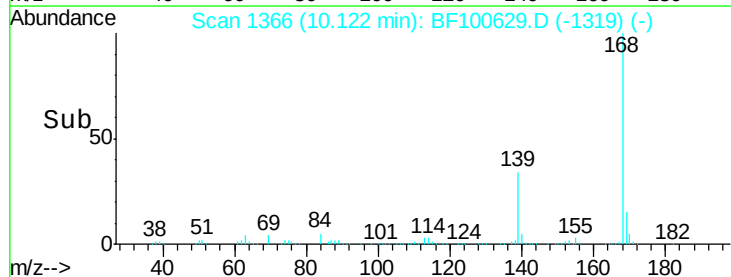
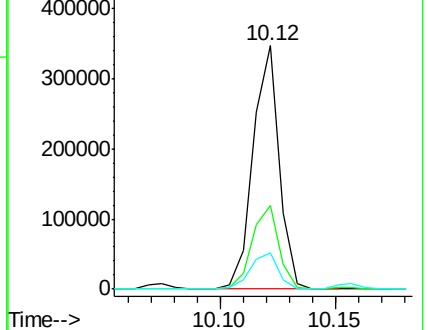
169 14.7 10.9 16.3

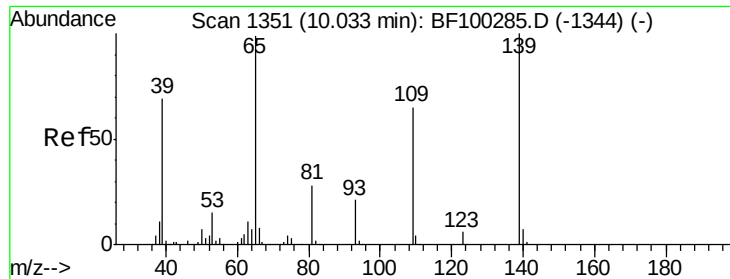


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

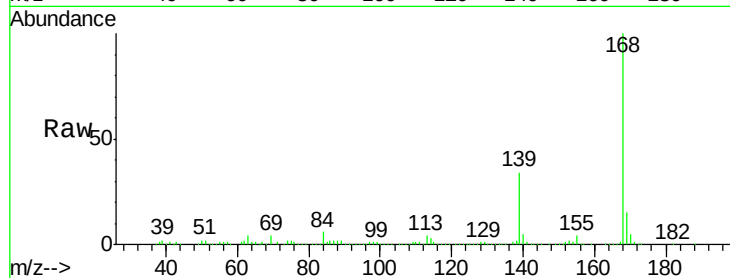




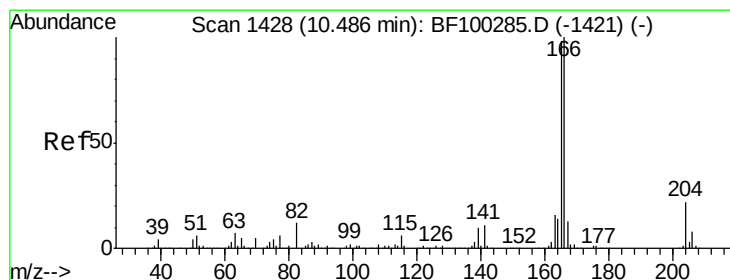
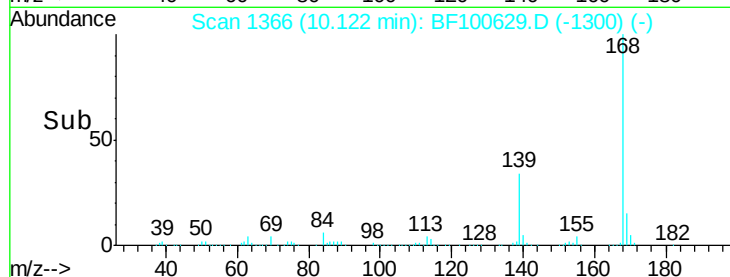
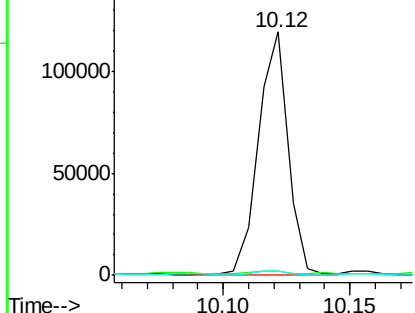
#55
4-Nitrophenol
Concen: 34.251 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Instrument :
BNA_F
ClientSampleId :
HR-04-111317-A

Tgt Ion:139 Resp: 98283
Ion Ratio Lower Upper
139 100
109 1.7 48.4 88.4#
65 1.6 72.6 112.6#

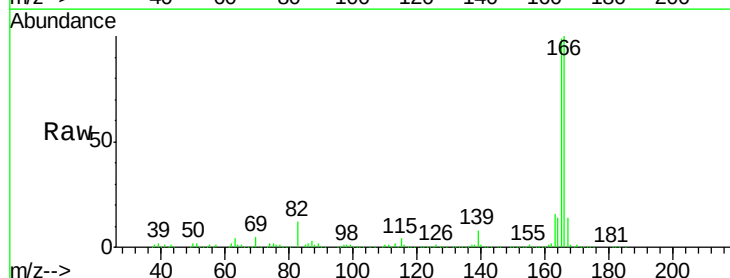


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

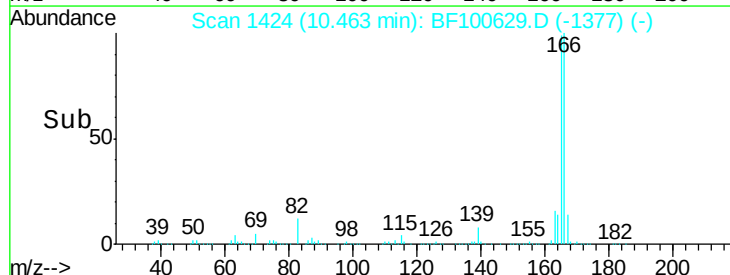
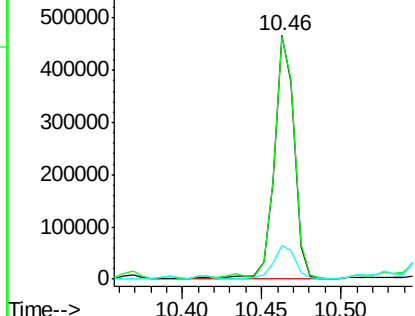


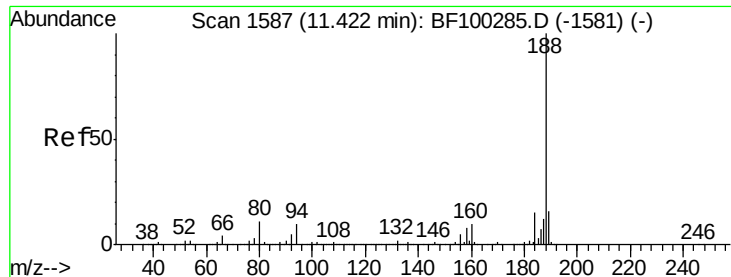
#57
Fluorene
Concen: 31.573 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Tgt Ion:166 Resp: 405958
Ion Ratio Lower Upper
166 100
165 99.3 79.8 119.8
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

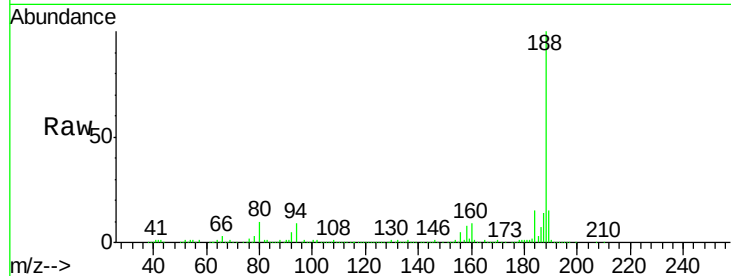
Tgt Ion:188 Resp: 365257

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

80 9.8 9.2 13.8

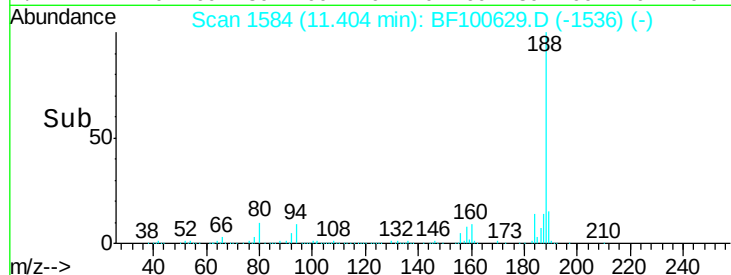


Abundance Ion 188.00 (187.70 to 188.70): E

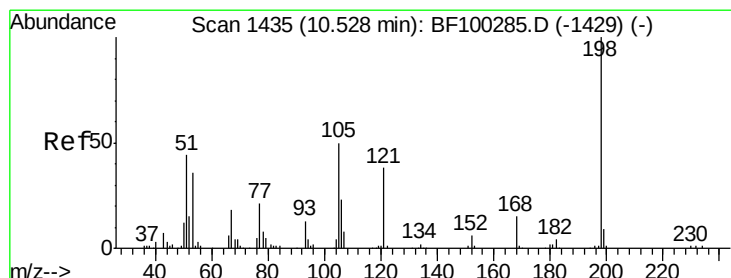
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 8.680 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.21 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

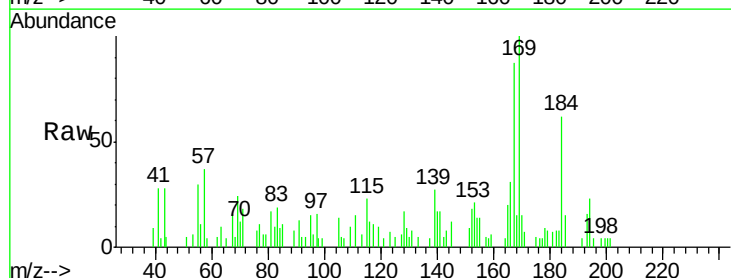
Tgt Ion:198 Resp: 247

Ion Ratio Lower Upper

198 100

51 111.2 37.7 77.7#

105 331.2 36.3 76.3#

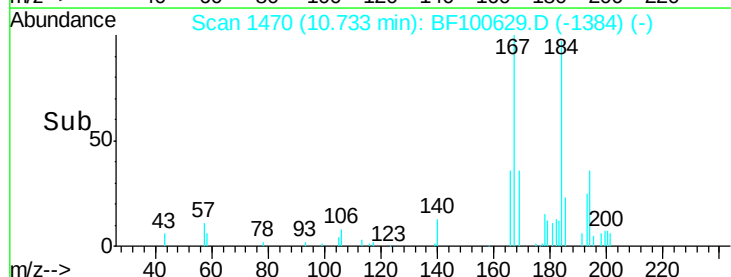


Abundance Ion 198.00 (197.70 to 198.70): E

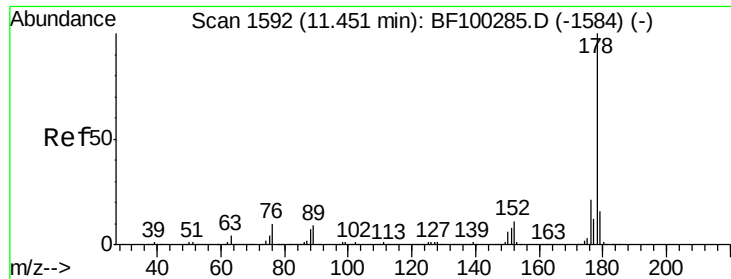
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#70

Phenanthrene

Concen: 95.394 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

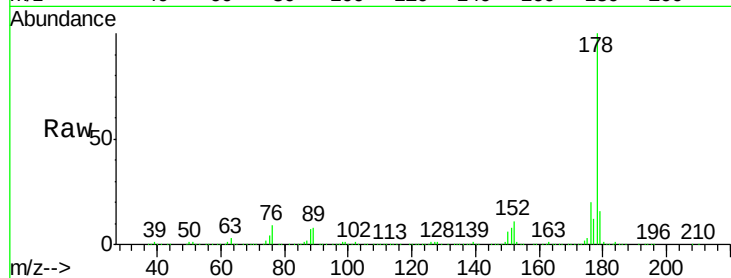
Tgt Ion:178 Resp: 1834553

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

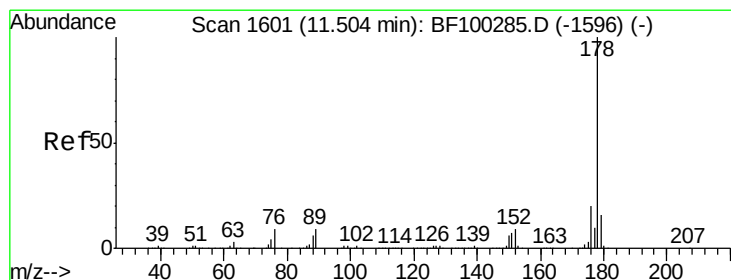
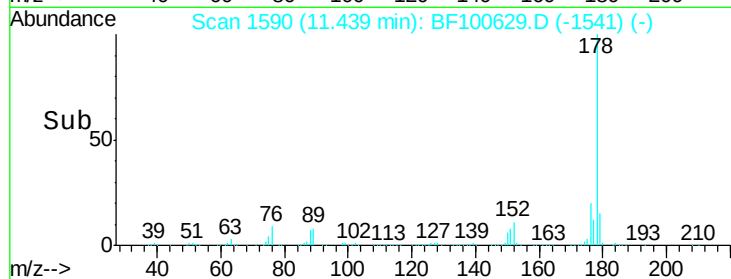
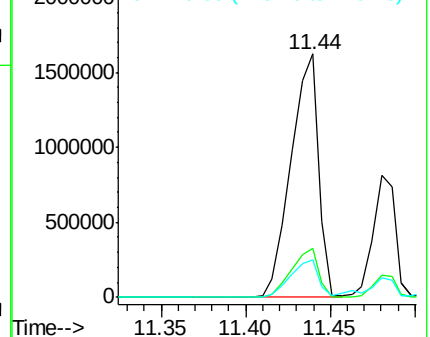
179 15.5 13.0 19.6



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: 36.901 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

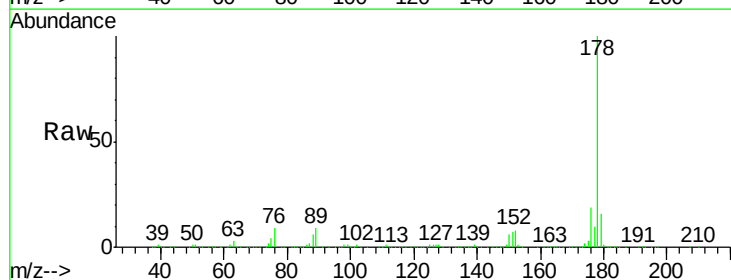
Tgt Ion:178 Resp: 719973

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

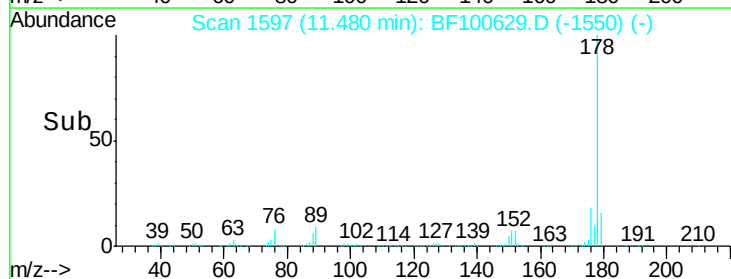
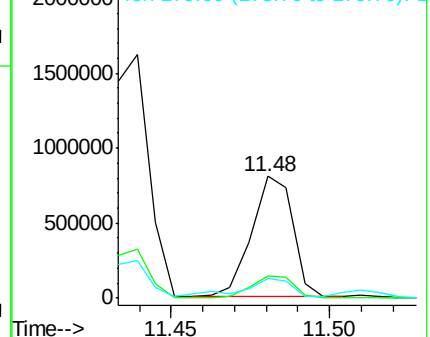
179 15.8 12.6 19.0

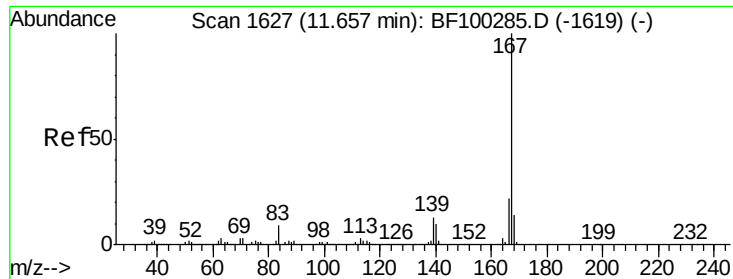


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 9.001 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.03 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

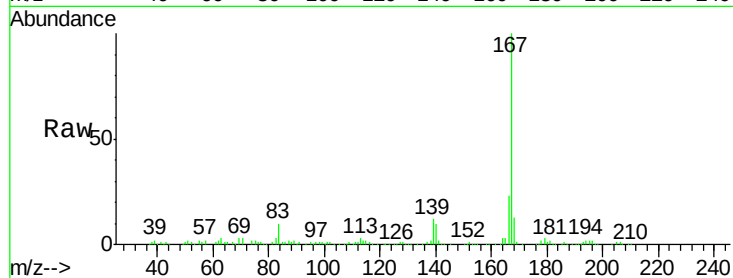
Tgt Ion:167 Resp: 162048

Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

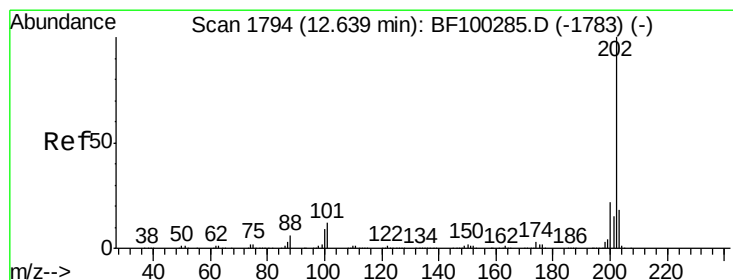
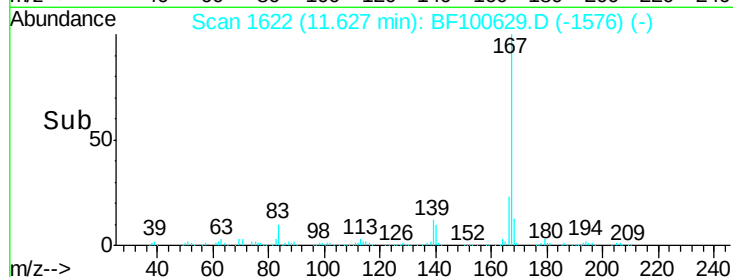
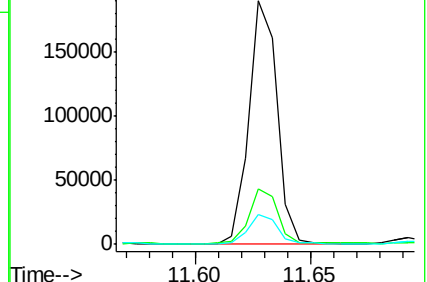
139 12.4 10.9 16.3



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



#74

Fluoranthene

Concen: 83.253 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

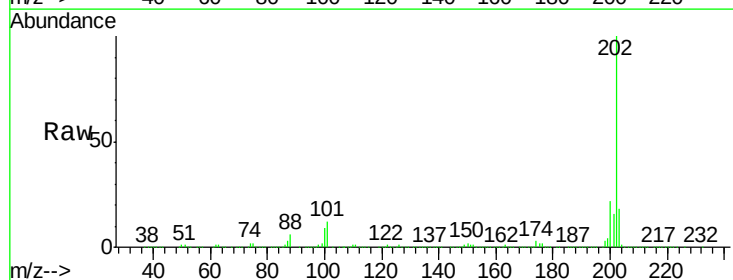
Tgt Ion:202 Resp: 1696817

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

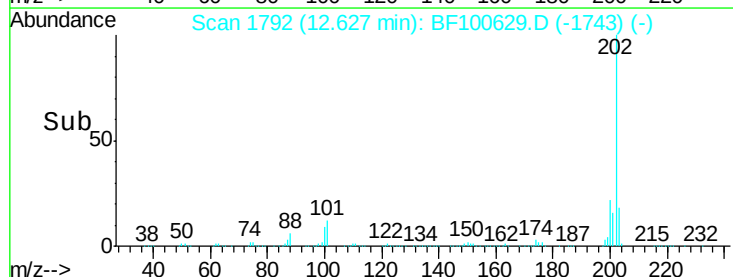
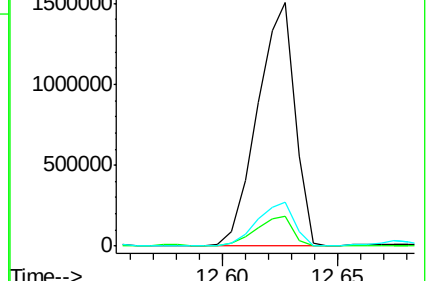
203 17.9 0.0 38.1

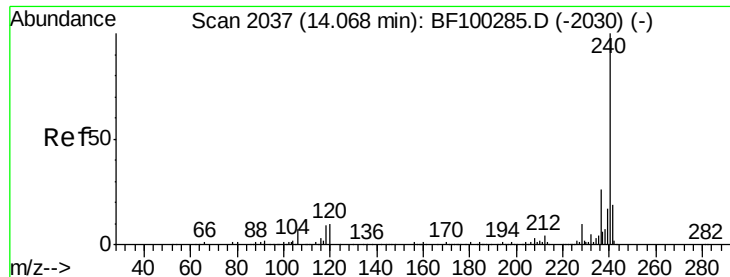


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

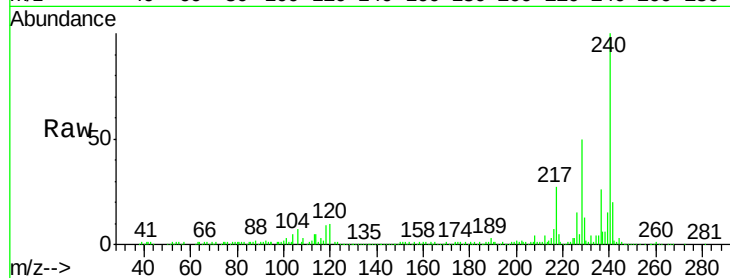
Tgt Ion:240 Resp: 214264

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

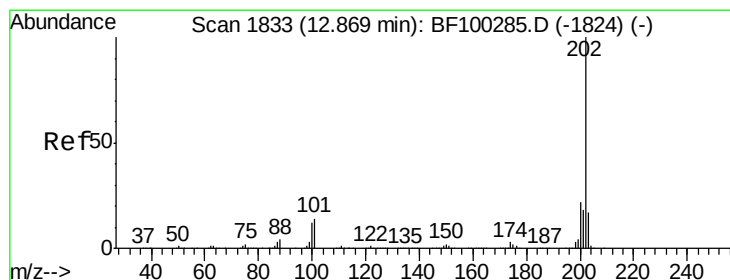
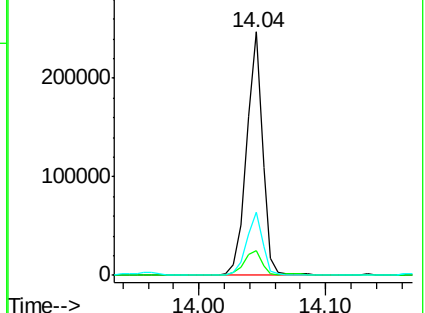
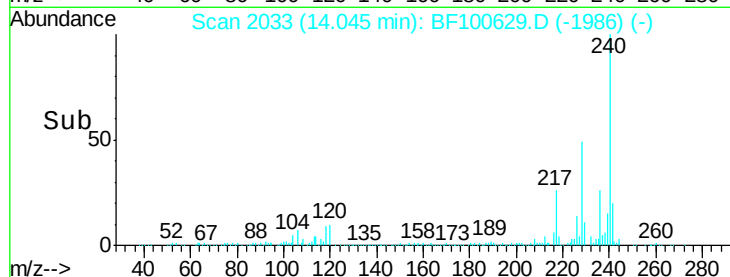
236 25.8 20.7 31.1



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: 97.068 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

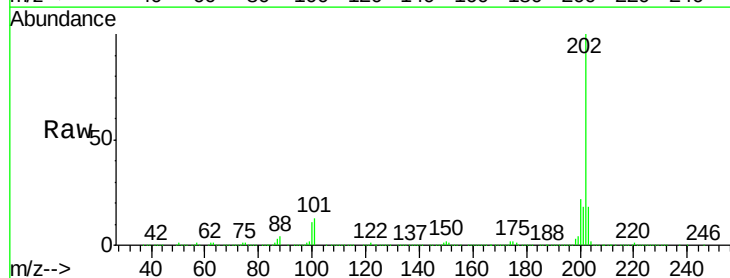
Tgt Ion:202 Resp: 1482569

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

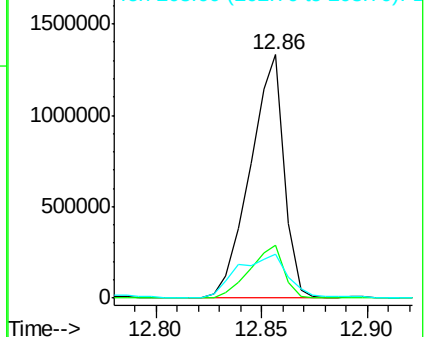
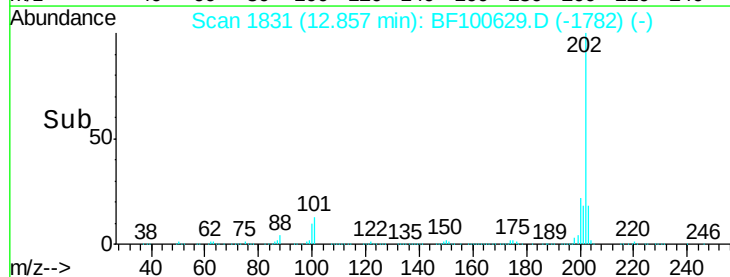
203 17.8 14.3 21.5

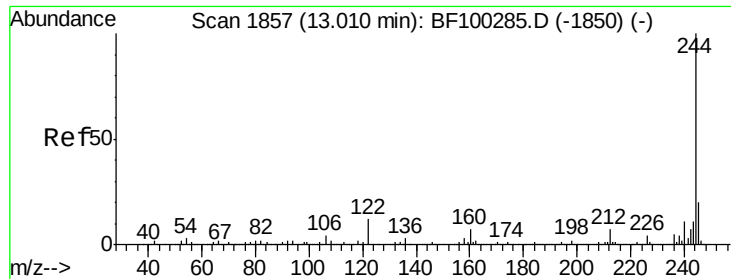


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.987 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.03 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

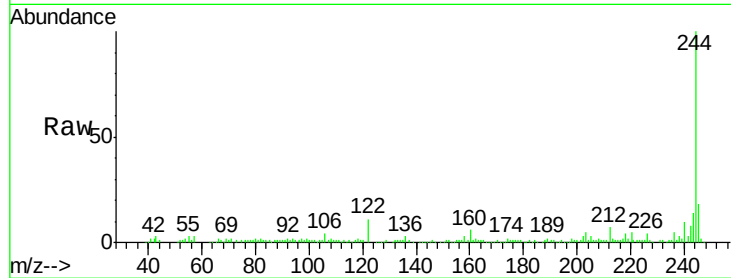
Tgt Ion:244 Resp: 102456

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

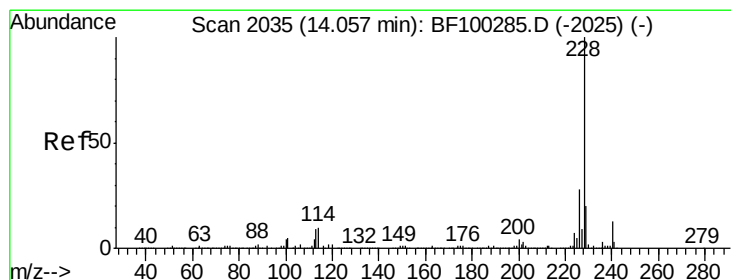
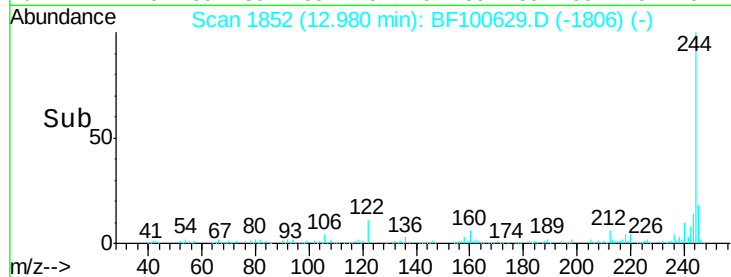
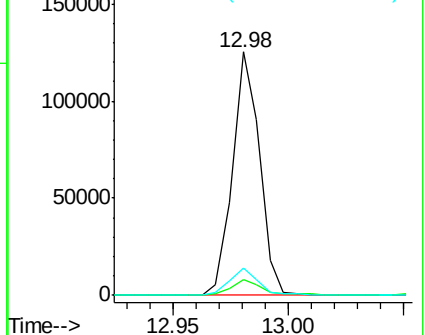
122 11.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 57.699 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

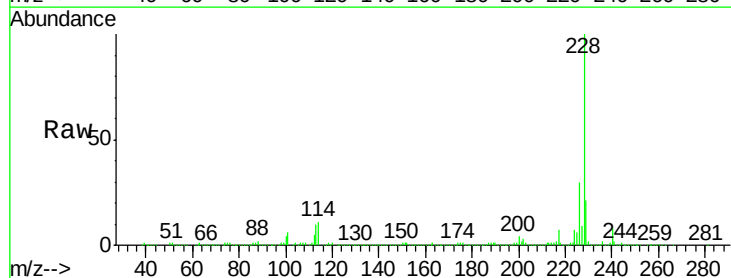
Tgt Ion:228 Resp: 744489

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

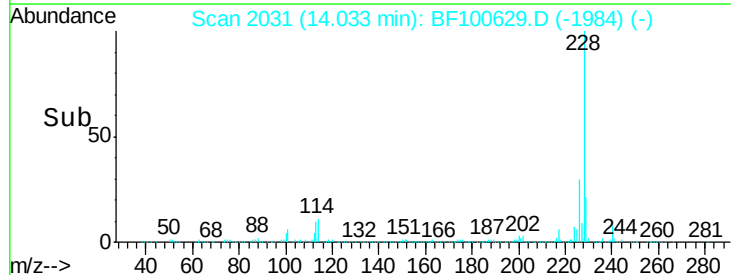
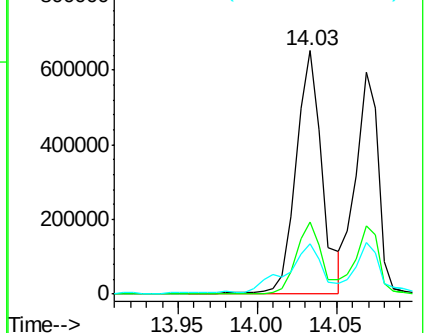
229 20.9 15.8 23.6

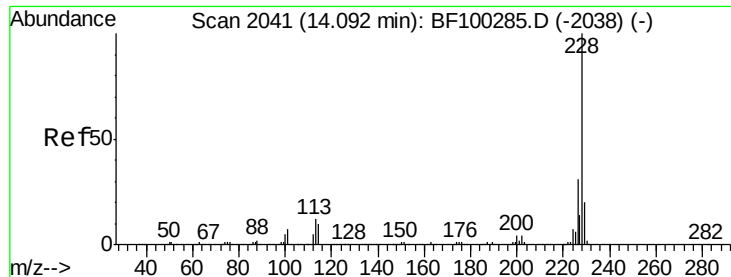


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 47.577 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

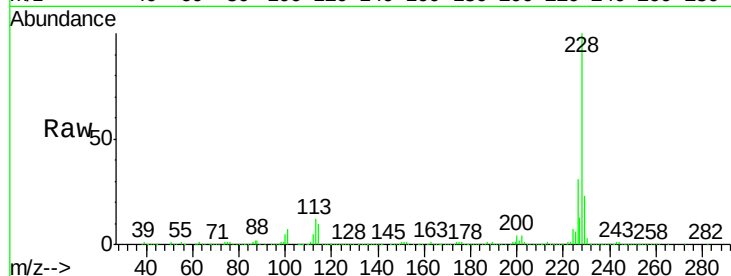
Tgt Ion:228 Resp: 594460

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

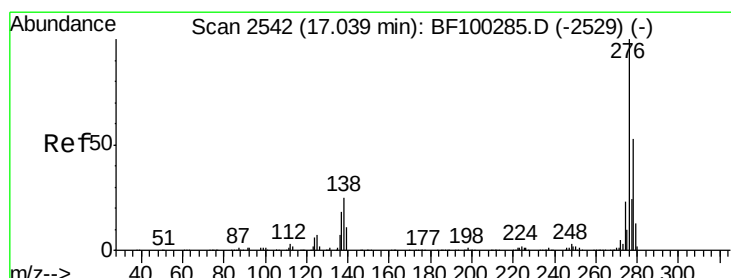
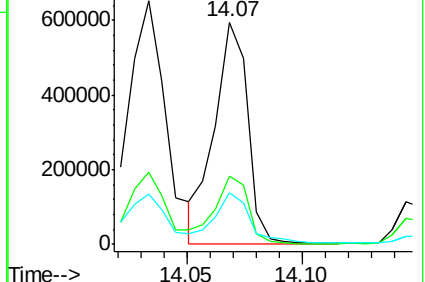
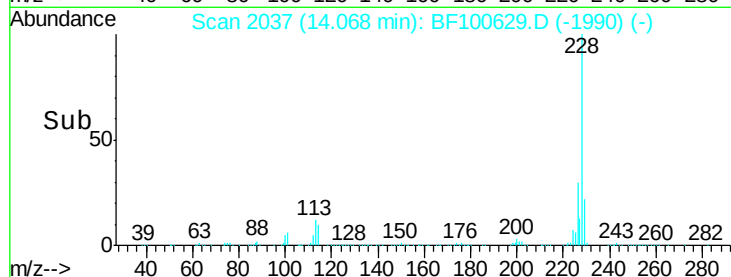
229 23.2 16.2 24.4



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: 6.508 ng

RT: 16.84 min Scan# 2508

Delta R.T. -0.20 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

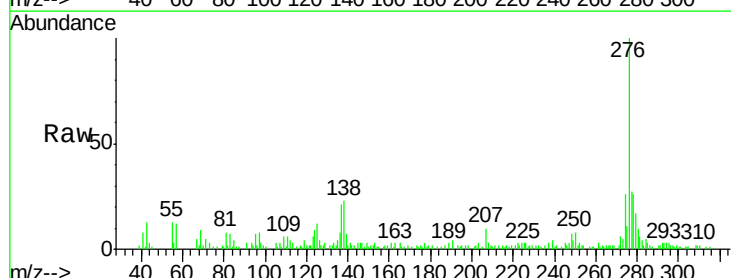
Tgt Ion:276 Resp: 65771

Ion Ratio Lower Upper

276 100

138 27.2 25.0 37.6

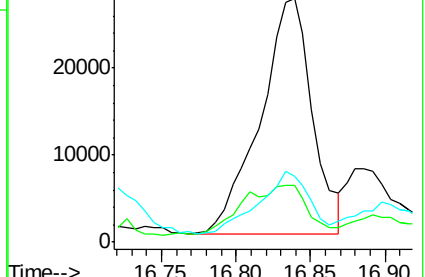
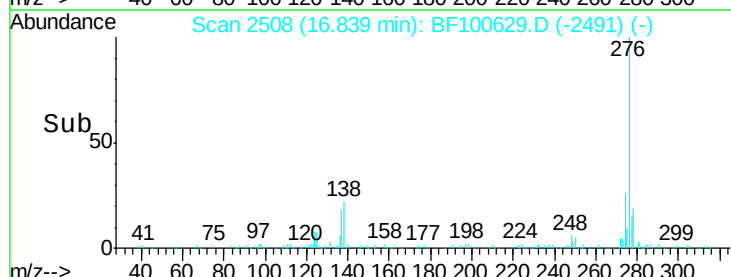
277 25.7 20.1 30.1

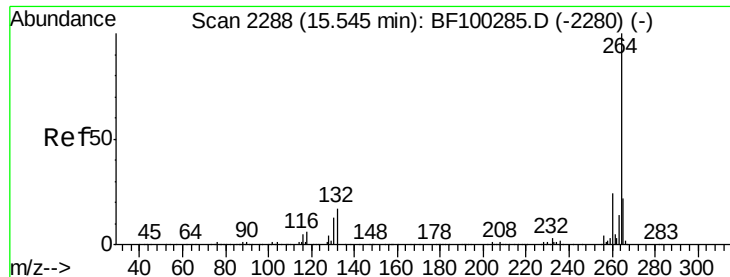


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

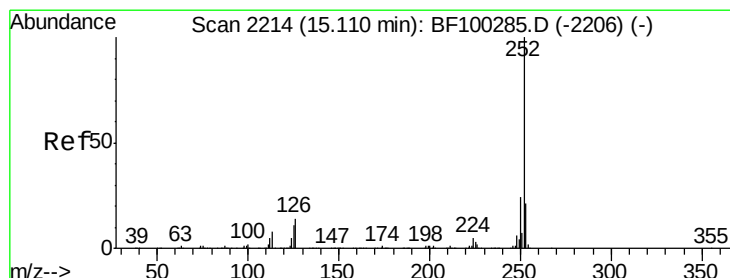
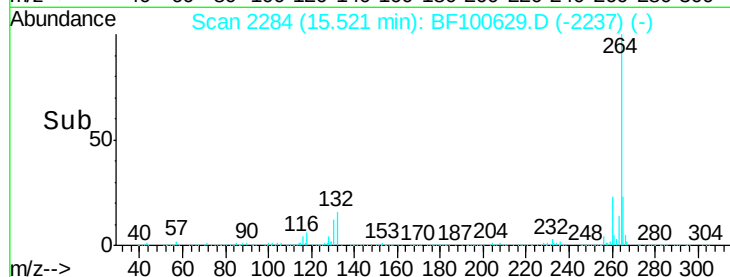
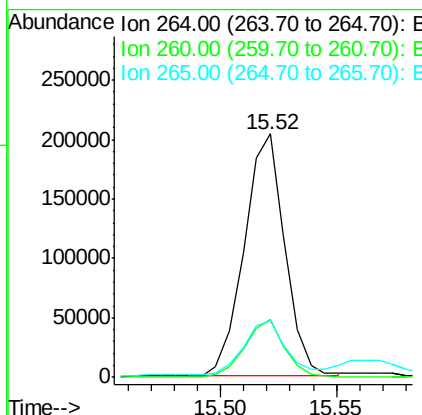
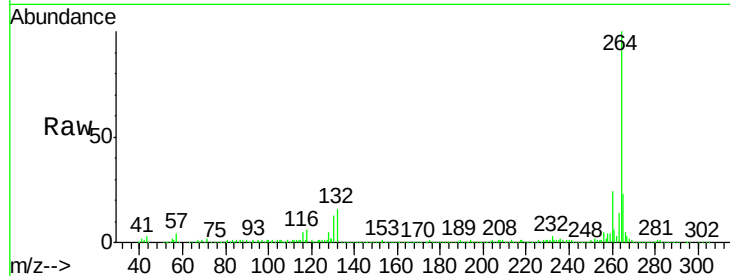




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

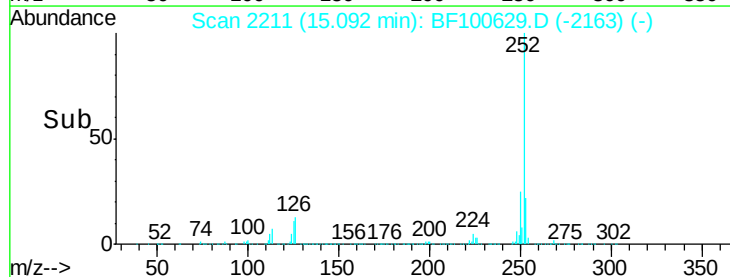
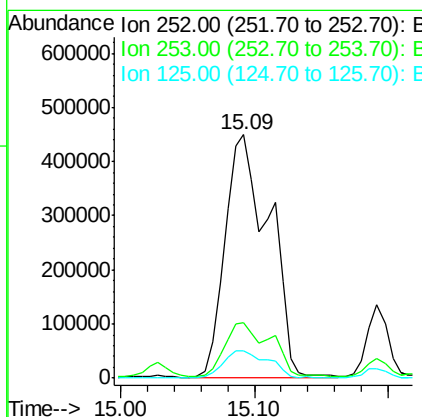
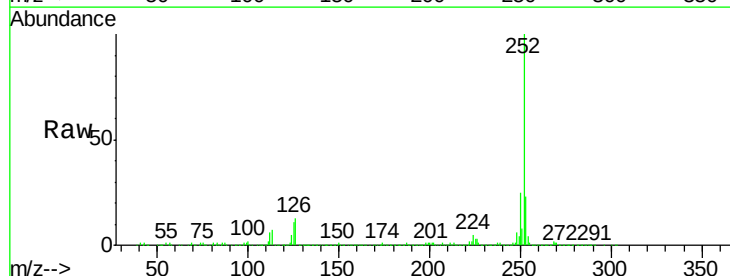
Instrument :
BNA_F
ClientSampleId :
HR-04-111317-A

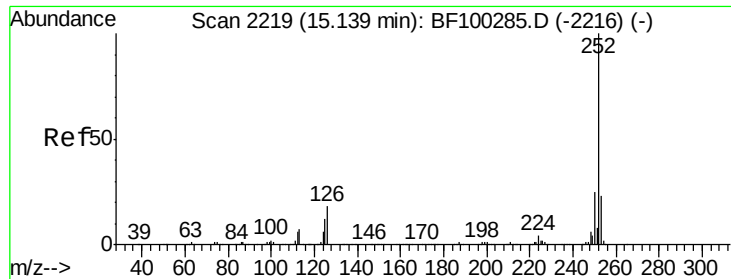
Tgt Ion:264 Resp: 250961
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 23.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 69.481 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100629.D
Acq: 16 Nov 2017 14:37

Tgt Ion:252 Resp: 1033046
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.2 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 73.536 ng

RT: 15.09 min Scan# 2211

Delta R.T. -0.05 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

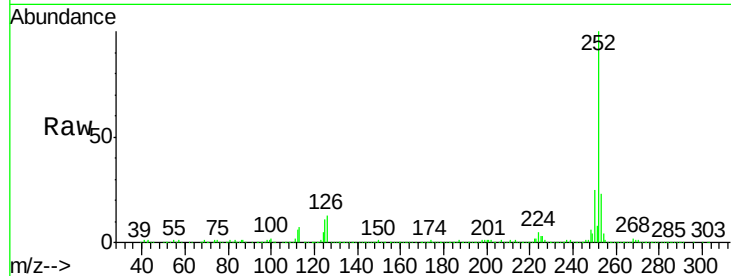
Tgt Ion:252 Resp: 1033046

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

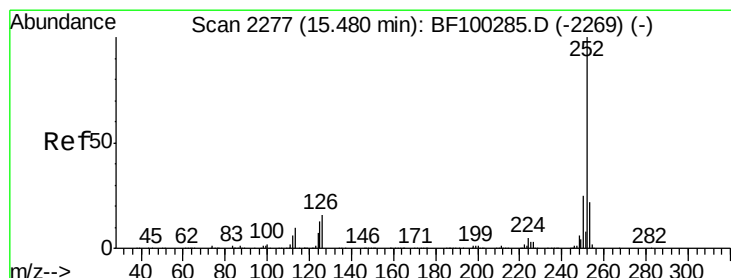
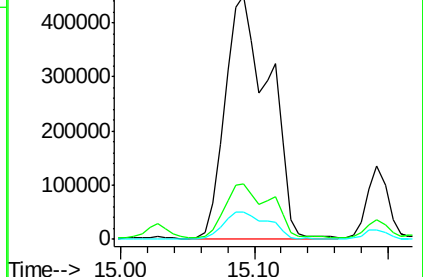
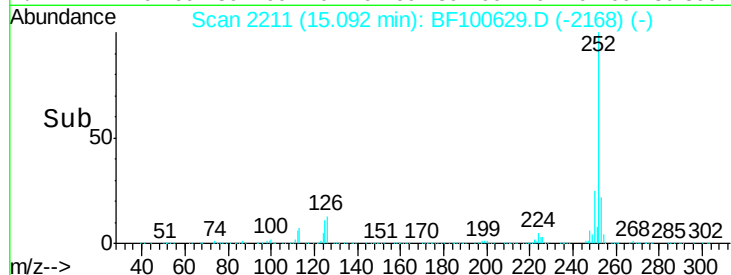
125 11.2 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 44.732 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.02 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

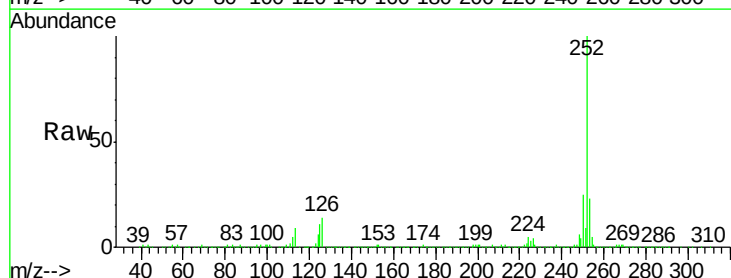
Tgt Ion:252 Resp: 589621

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

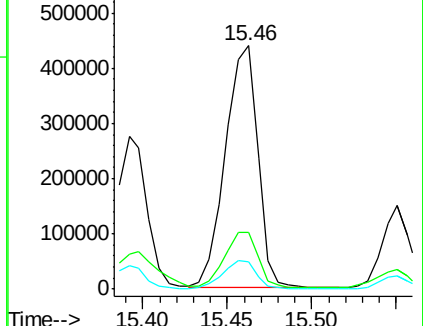
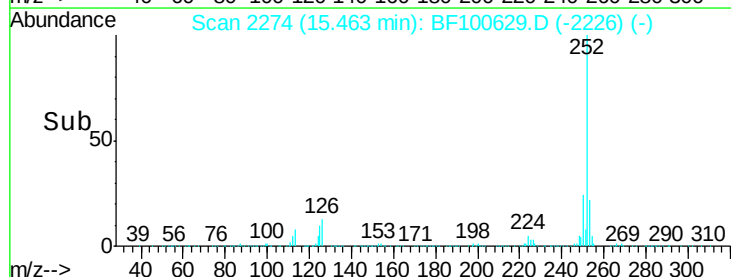
125 11.0 9.8 14.6

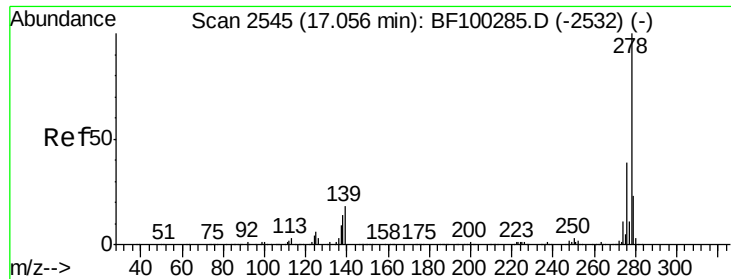


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 7.606 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.12 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

Instrument :

BNA_F

ClientSampleId :

HR-04-111317-A

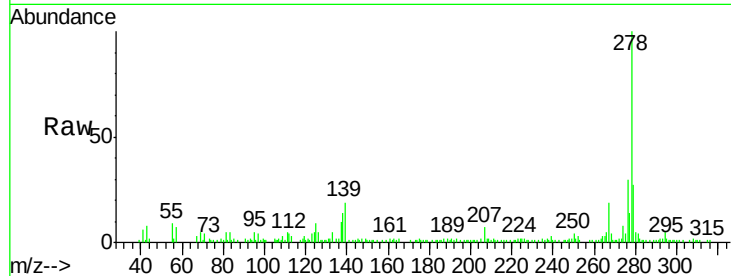
Tgt Ion:278 Resp: 81993

Ion Ratio Lower Upper

278 100

139 18.7 15.9 23.9

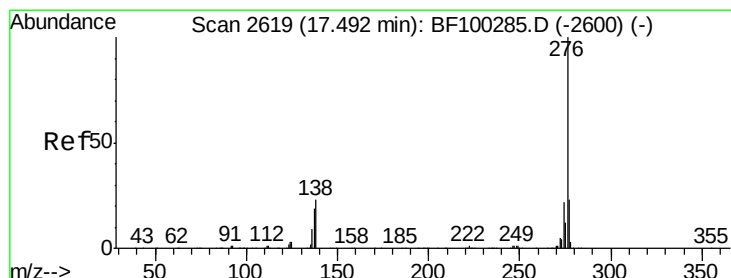
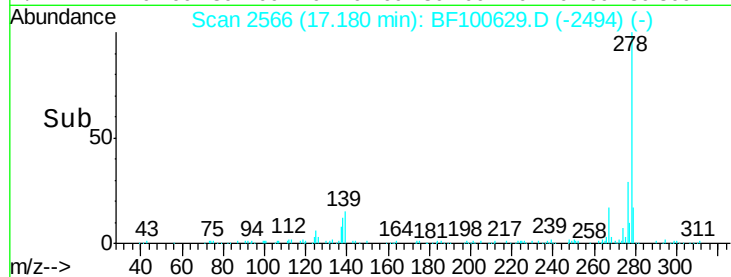
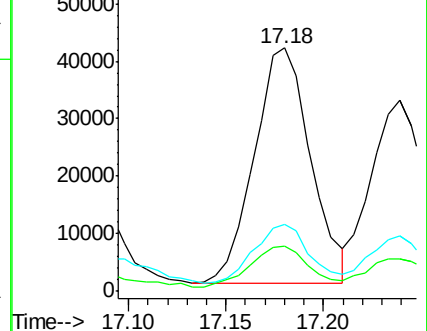
279 27.5 19.0 28.4



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: 29.657 ng

RT: 17.46 min Scan# 2613

Delta R.T. -0.04 min

Lab File: BF100629.D

Acq: 16 Nov 2017 14:37

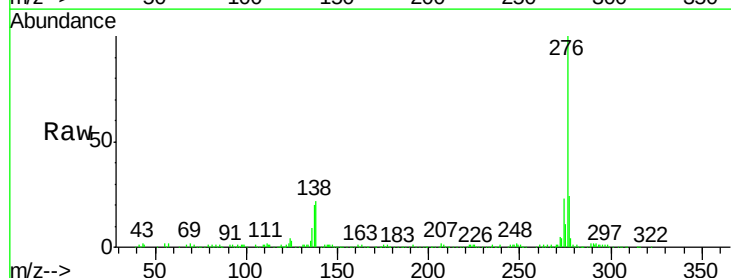
Tgt Ion:276 Resp: 312946

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 22.4 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

