

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087187.D
 Acq On : 19 May 2016 14:31
 Operator : UM/SJ
 Sample : H3119-02 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 18:11:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

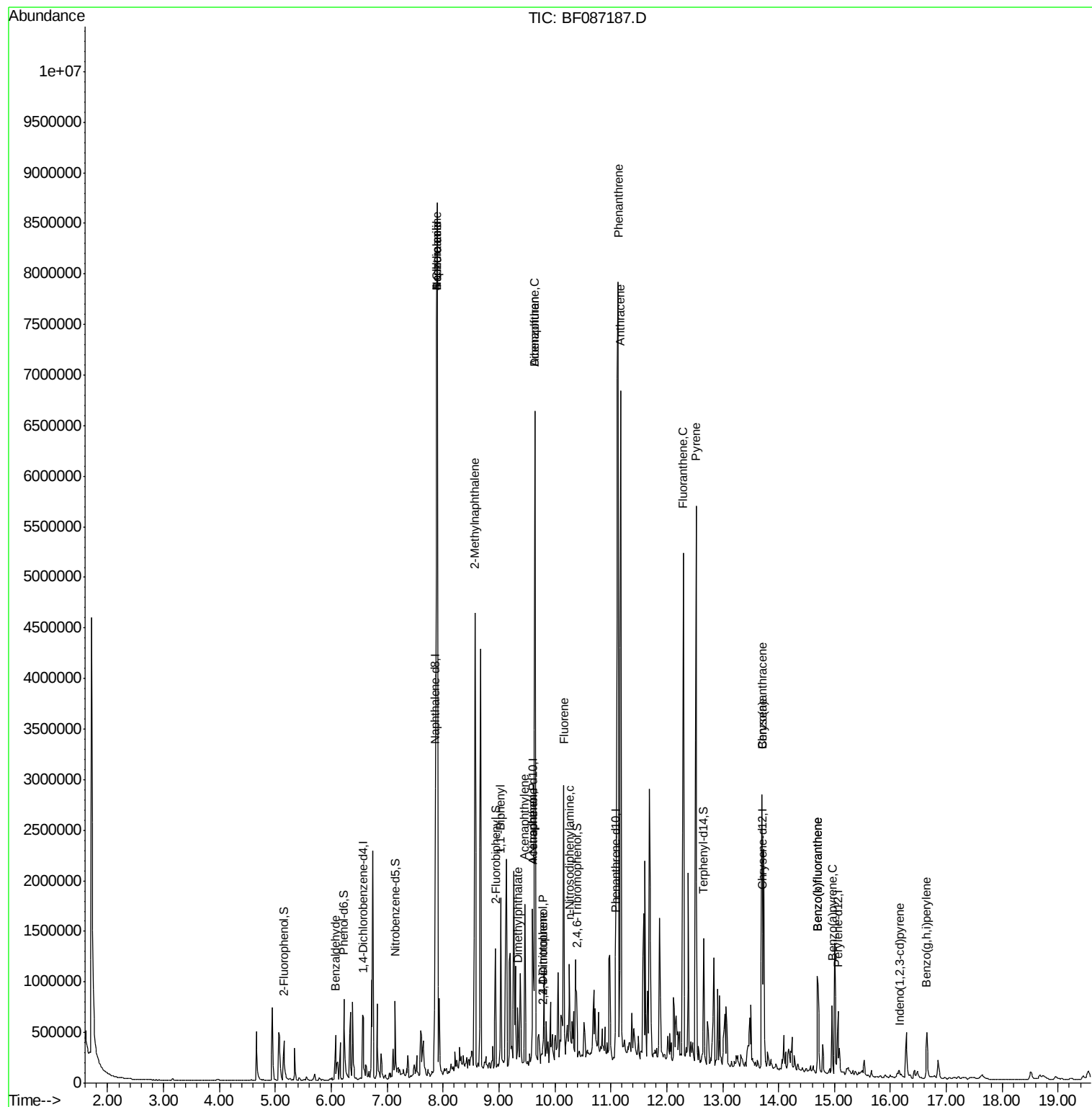
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	135793	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	506446	20.00	ng	-0.03
38) Acenaphthene-d10	9.60	164	262013	20.00	ng	-0.05
63) Phenanthrene-d10	11.08	188	469012	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	330350	20.00	ng	-0.05
86) Perylene-d12	15.06	264	289470	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	174642	21.62	ng	-0.05
7) Phenol-d6	6.23	99	339923	31.37	ng	-0.06
23) Nitrobenzene-d5	7.14	82	231297	22.76	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	46380	16.02	ng	-0.06
44) 2-Fluorobiphenyl	8.94	172	398540	25.19	ng	-0.05
78) Terphenyl-d14	12.66	244	350494	24.00	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.08	77	34139	4.43	ng	# 1
31) Naphthalene	7.90	128	7015080	283.48	ng	# 94
32) Benzoic acid	7.90	122	20295	4.34	ng	# 1
33) 4-Chloroaniline	7.90	127	1066067	103.65	ng	# 36
37) 2-Methylnaphthalene	8.57	142	1573142	99.39	ng	# 94
45) 1,1'-Biphenyl	9.03	154	693147	31.90	ng	96
48) Acenaphthylene	9.46	152	485970	19.08	ng	# 96
49) Dimethylphthalate	9.34	163	50294	2.52	ng	100
51) Acenaphthene	9.64	154	1684110	105.84	ng	99
53) 2,4-Dinitrophenol	9.79	184	216	4.82	ng	# 1
54) Dibenzofuran	9.64	168	48971	2.38	ng	98
55) 4-Nitrophenol	9.60	139	8149	6.10	ng	89
56) 2,4-Dinitrotoluene	9.78	165	15143	2.72	ng	# 53
57) Fluorene	10.16	166	1323596	80.07	ng	98
65) n-Nitrosodiphenylamine	10.26	169	33829	2.29	ng	# 1
70) Phenanthrene	11.13	178	5518381	216.94	ng	97
71) Anthracene	11.18	178	3003407	116.73	ng	98
74) Fluoranthene	12.30	202	2226985	87.38	ng	97
77) Pvrene	12.53	202	3073199	128.77	ng	98
80) Benzo(a)anthracene	13.70	228	1030263	53.94	ng	# 78
82) Chrysene	13.70	228	1030263	55.75	ng	# 80
85) Indeno(1,2,3-cd)pyrene	16.16	276	74403	4.59	ng	90
87) Benzo(b)fluoranthene	14.70	252	745033	38.80	ng	99
88) Benzo(k)fluoranthene	14.70	252	745033	52.11	ng	98
89) Benzo(a)pyrene	14.96	252	347062	21.62	ng	99
91) Benzo(g,h,i)perylene	16.65	276	328837	24.09	ng	# 92

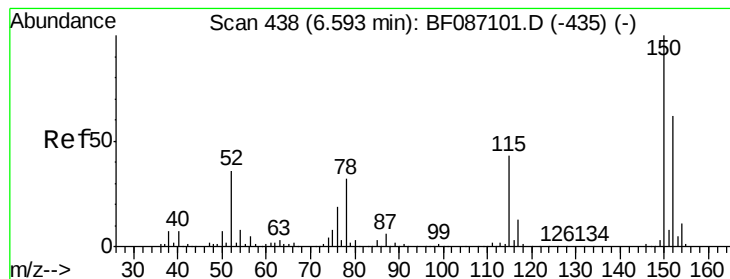
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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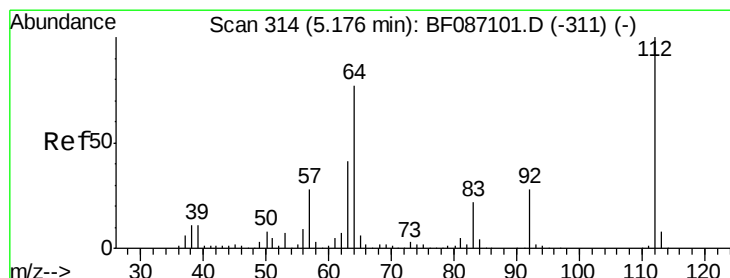
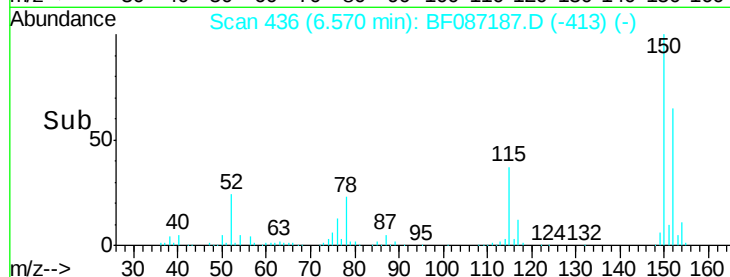
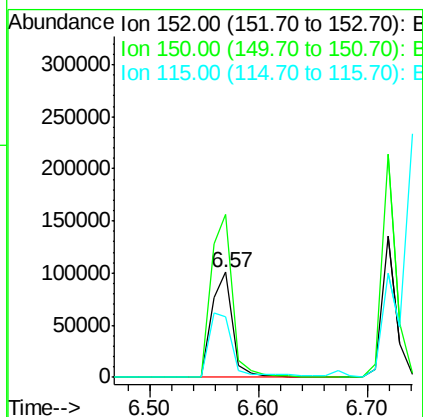
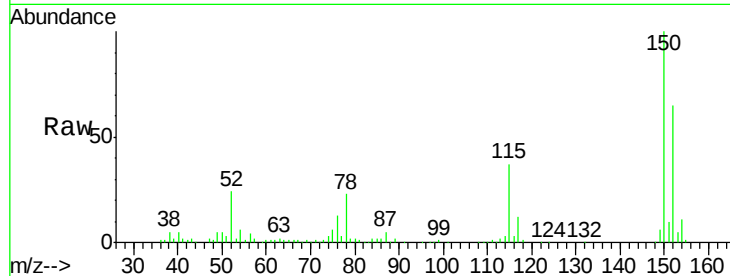


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Instrument :
BNA_F
ClientSampleId :

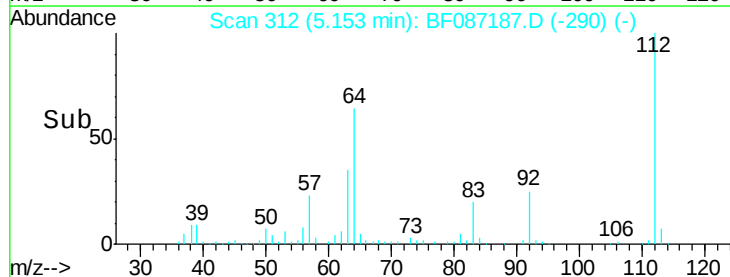
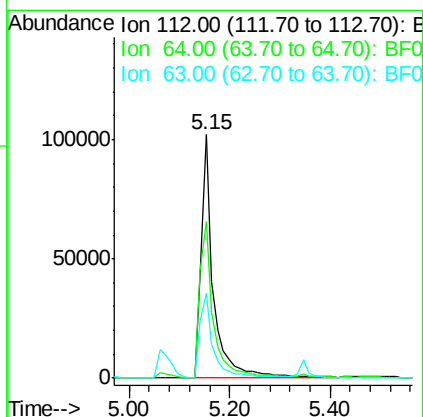
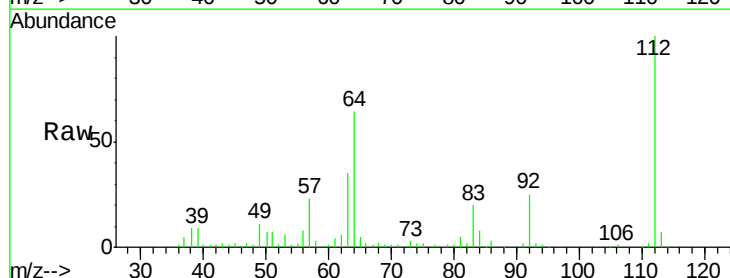
Tot Ion:152 Resp: 135793
Ion Ratio Lower Upper
152 100
150 155.0 125.8 188.6
115 57.5 51.5 77.3

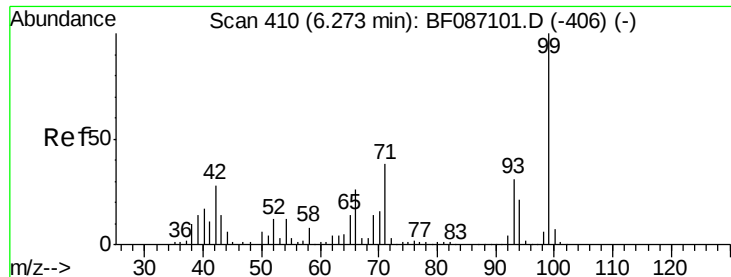


#5

2-Fluorophenol
Concen: 21.62 ng
RT: 5.15 min Scan# 312
Delta R.T. -0.05 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Tgt Ion:112 Resp: 174642
Ion Ratio Lower Upper
112 100
64 64.4 52.1 78.1
63 34.9 25.7 38.5





#7

Phenol-d6

Concen: 31.37 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

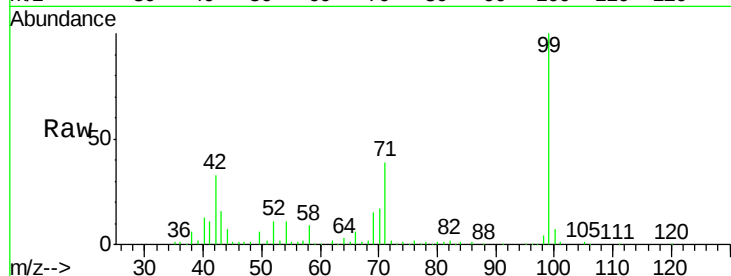
Tot Ion: 99 Resp: 339923

Ion Ratio Lower Upper

99 100

42 32.8 13.6 20.4#

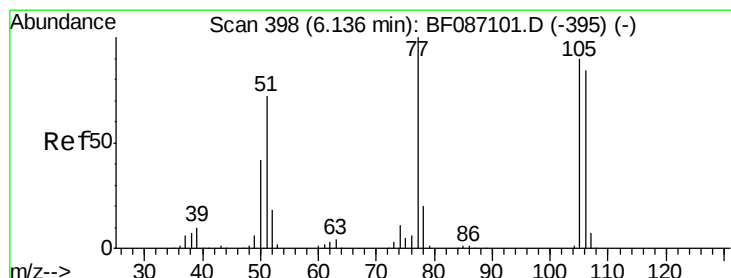
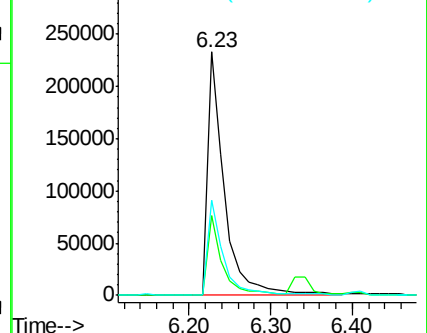
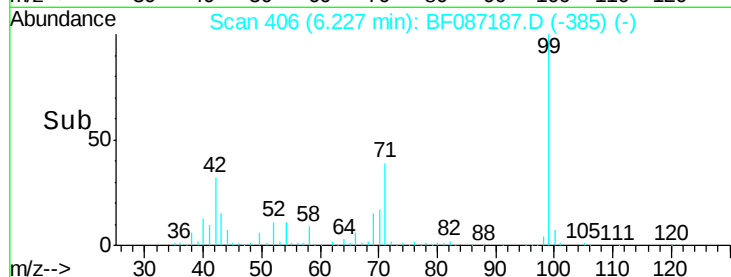
71 39.3 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.43 ng

RT: 6.08 min Scan# 393

Delta R.T. -0.07 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

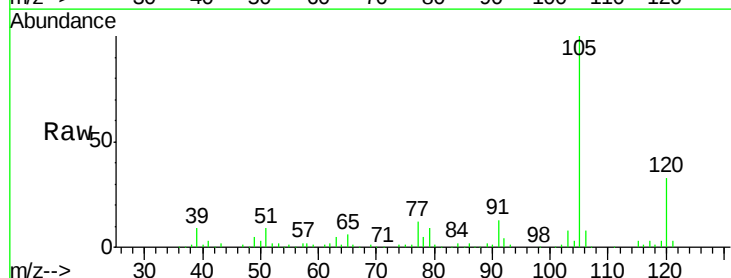
Tgt Ion: 77 Resp: 34139

Ion Ratio Lower Upper

77 100

105 800.3 72.7 112.7#

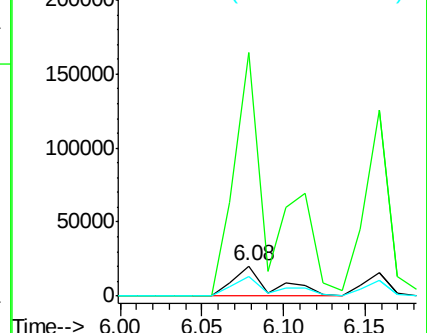
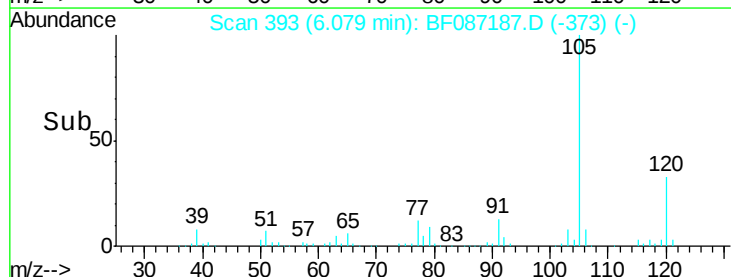
106 65.8 70.8 110.8#

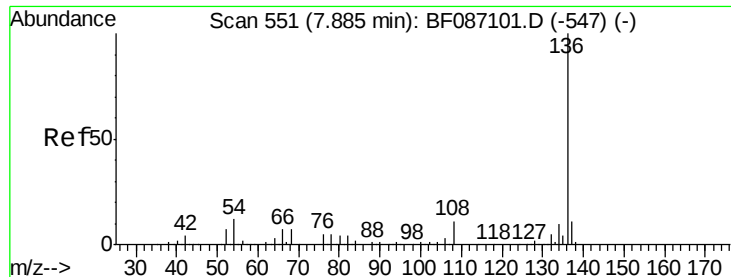


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087187.D

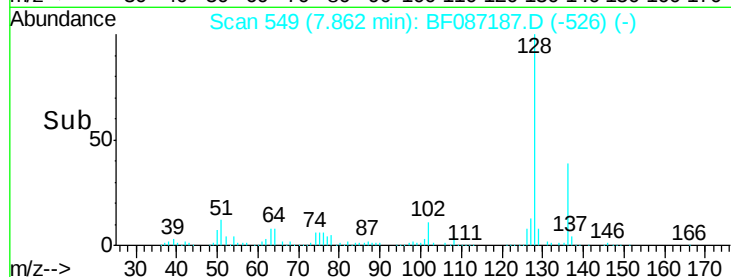
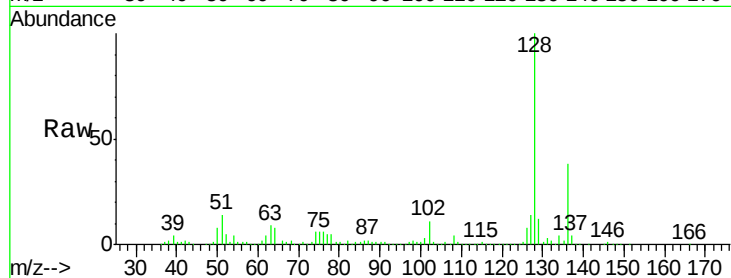
Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	506446
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	11.6	5.0 7.4#
68	6.1	4.4 6.6

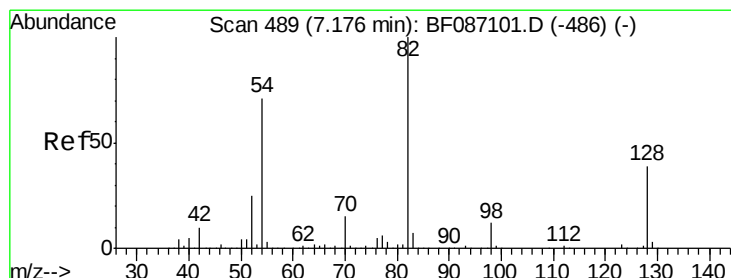
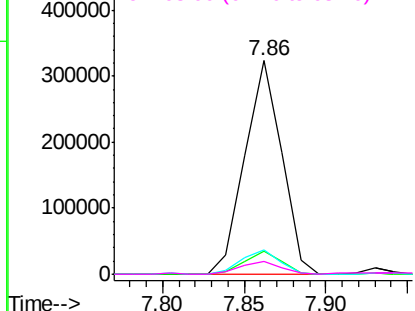


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 22.76 ng

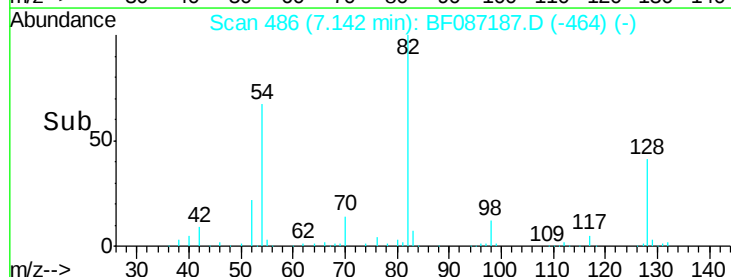
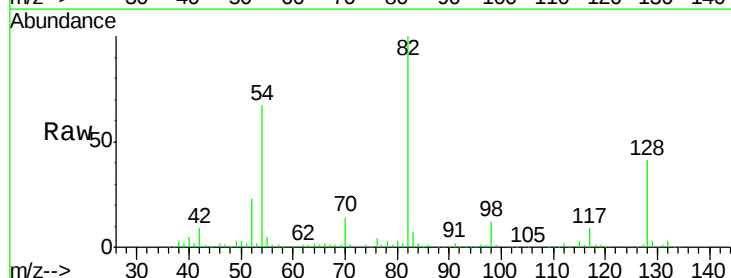
RT: 7.14 min Scan# 486

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

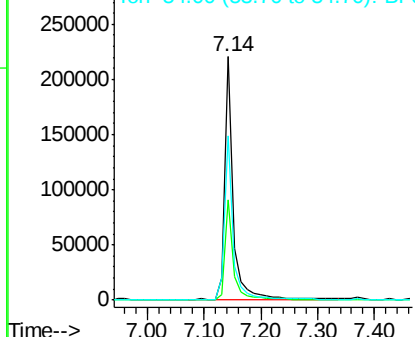
Tgt Ion: 82	Resp:	231297
Ion Ratio	Lower	Upper
82	100	
128	41.4	40.6 61.0
54	67.3	38.1 57.1#

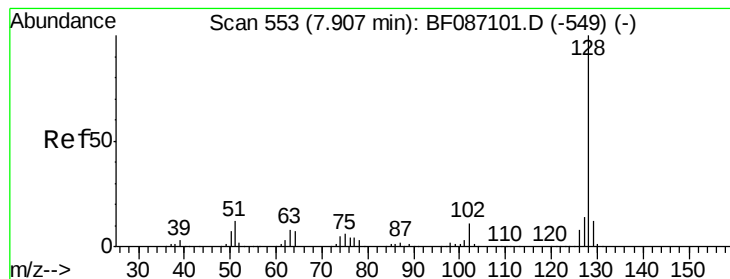


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 283.48 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampled :

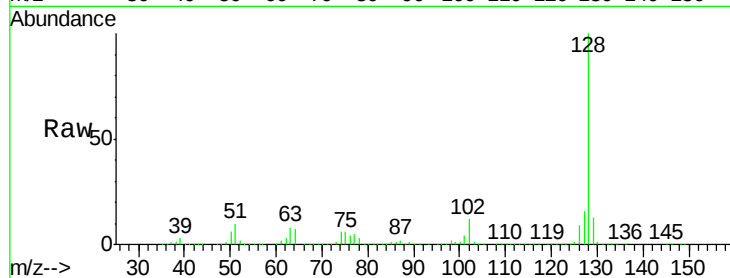
Tot Ion:128 Resp: 7015080

Ion Ratio Lower Upper

128 100

129 13.0 8.6 13.0#

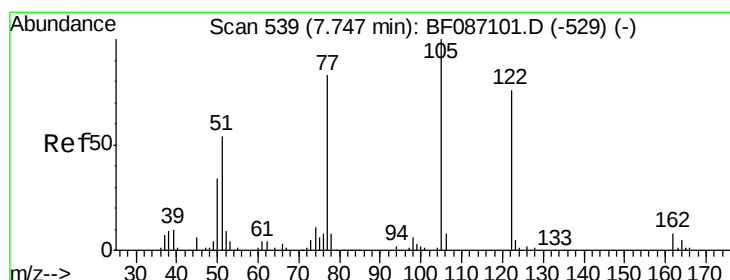
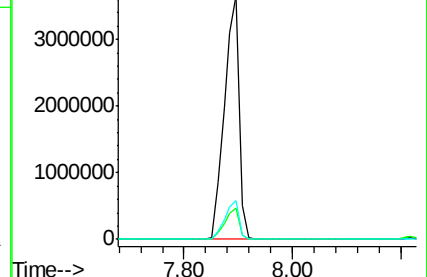
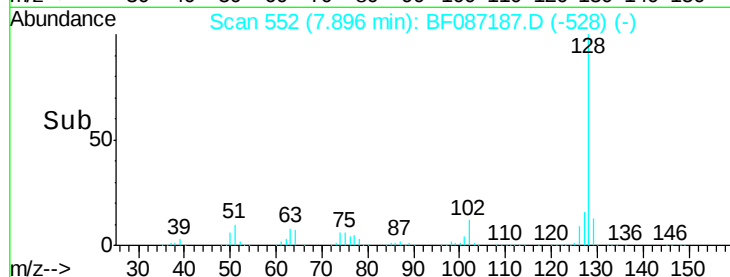
127 16.2 10.8 16.2



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



#32

Benzoic acid

Concen: 4.34 ng

RT: 7.90 min Scan# 552

Delta R.T. 0.15 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

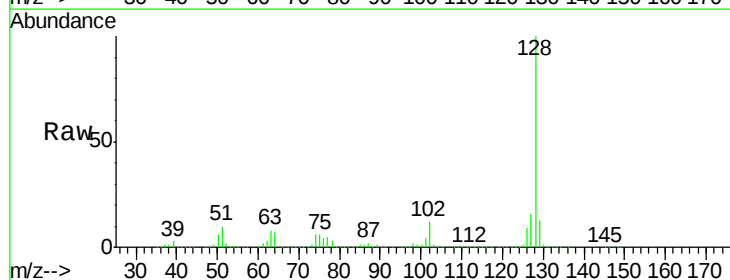
Tgt Ion:122 Resp: 20295

Ion Ratio Lower Upper

122 100

105 8.3 92.6 132.6#

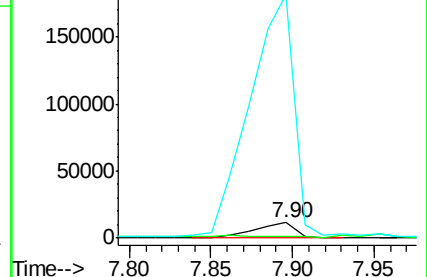
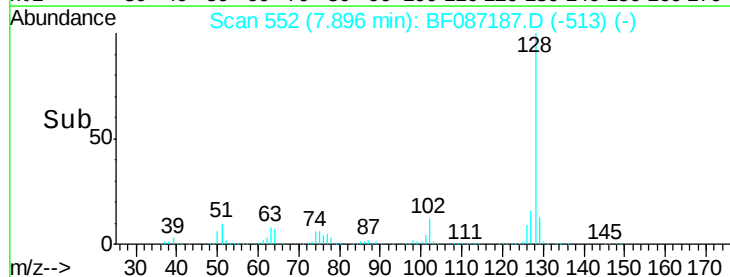
77 1590.0 60.0 100.0#

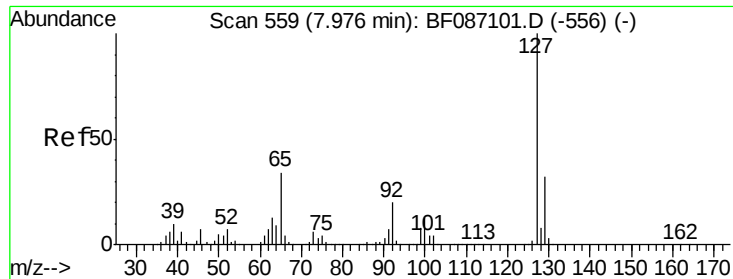


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

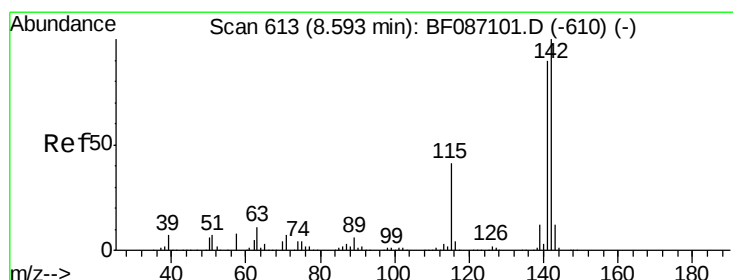
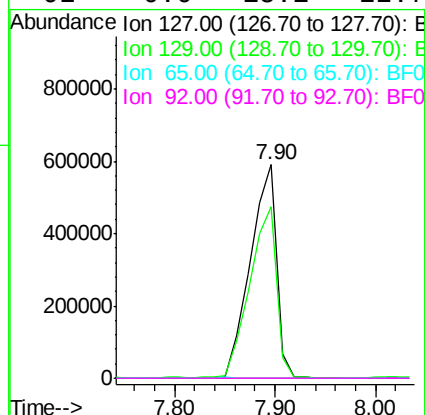
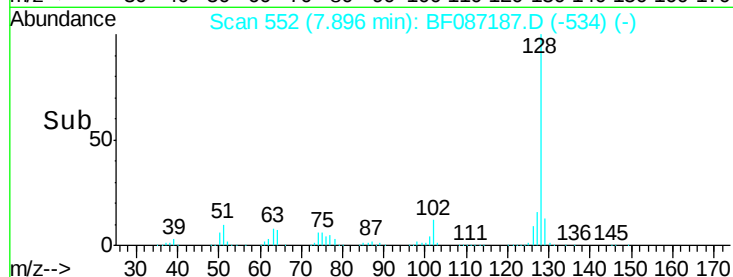
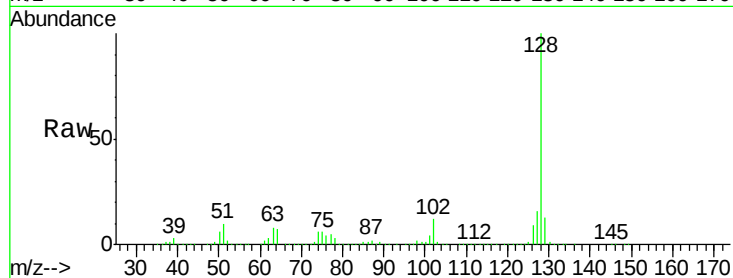




#33
4-Chloroaniline
Concen: 103.65 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

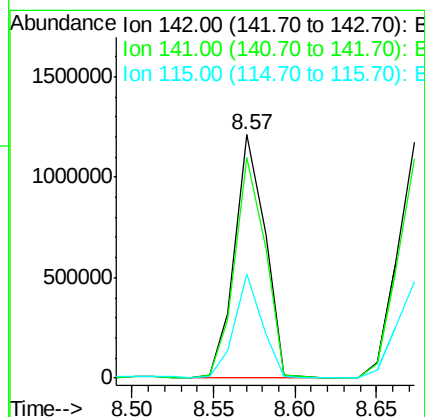
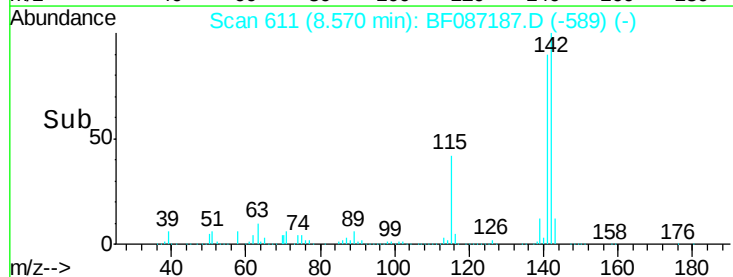
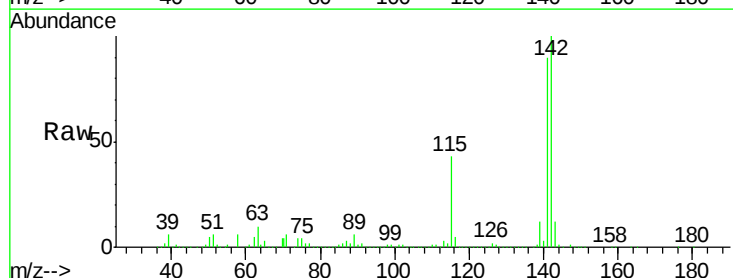
Instrument :
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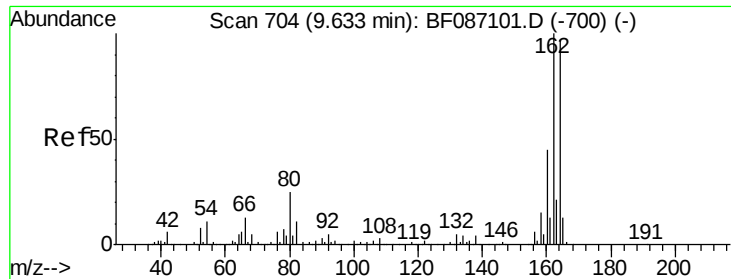
Tot Ion:127 Resp: 1066067
Ion Ratio Lower Upper
127 100
129 80.4 26.2 39.4#
65 0.0 23.0 34.4#
92 0.0 15.1 22.7#



#37
2-Methylnaphthalene
Concen: 99.39 ng
RT: 8.57 min Scan# 611
Delta R.T. -0.05 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Tgt Ion:142 Resp: 1573142
Ion Ratio Lower Upper
142 100
141 90.5 71.0 106.6
115 42.5 26.6 39.8#

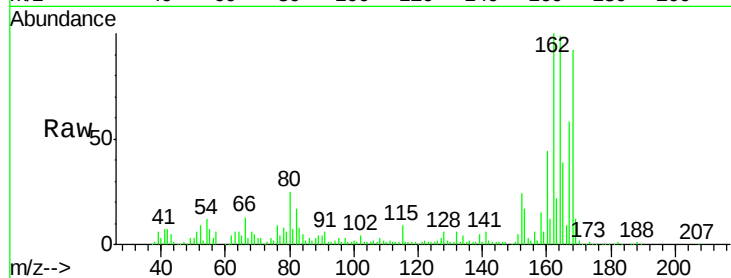




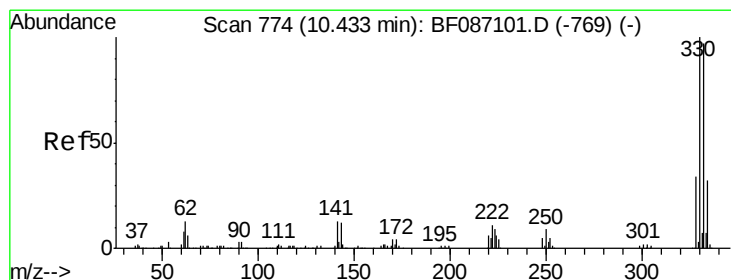
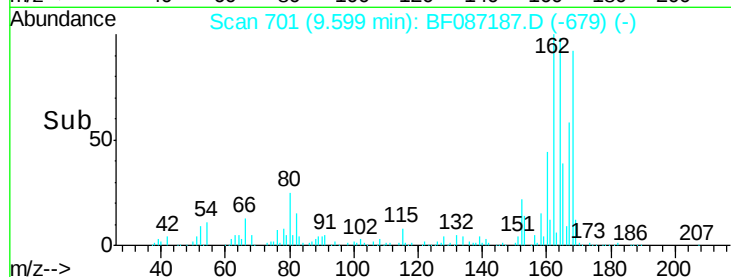
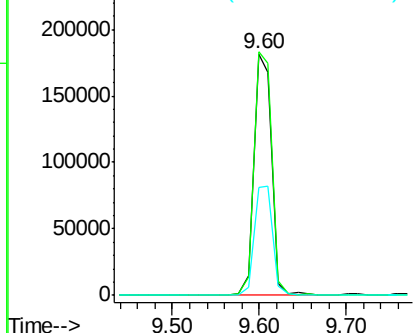
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.05 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.8	124.2
160	44.9	36.9	55.3

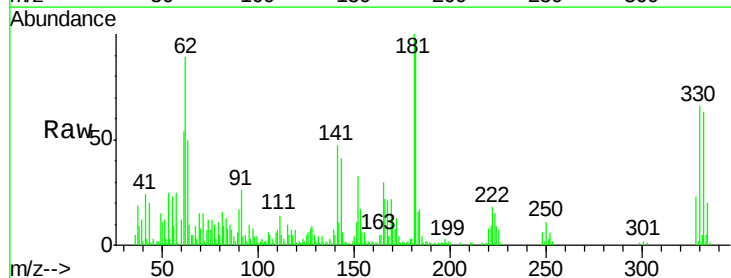


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

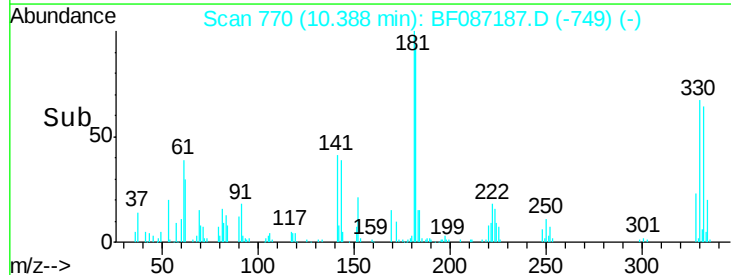
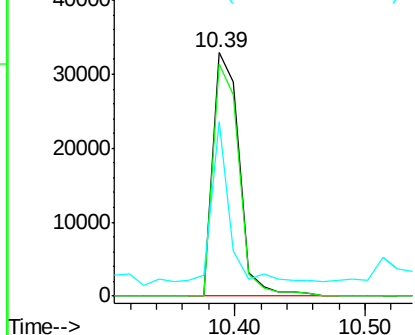


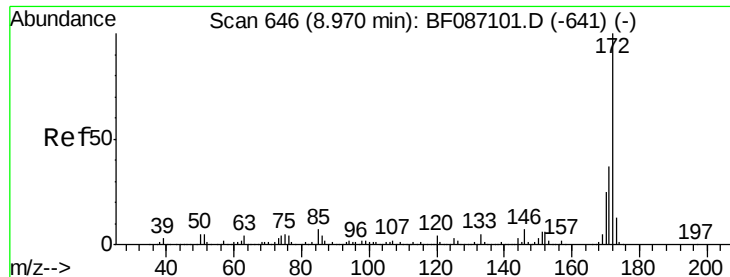
#41
2,4,6-Tribromophenol
Concen: 16.02 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.06 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	79.0	118.4
141	43.0	31.2	46.8



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: 25.19 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

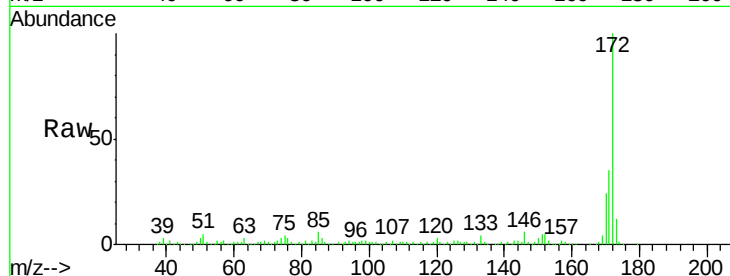
Tot Ion:172 Resp: 398540

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.6

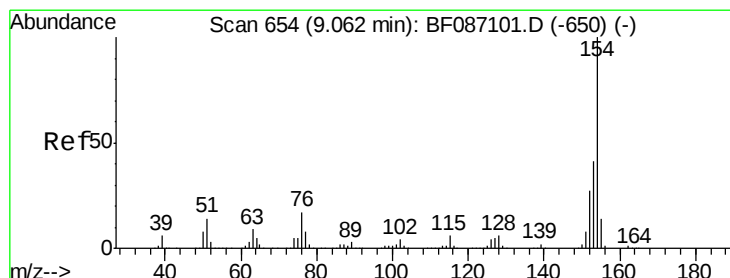
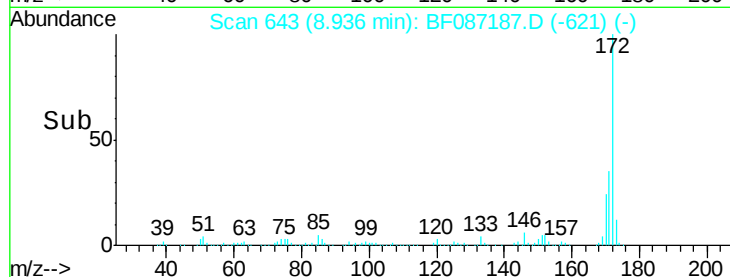
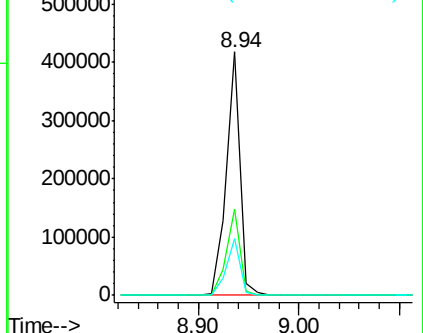
170 23.5 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 31.90 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

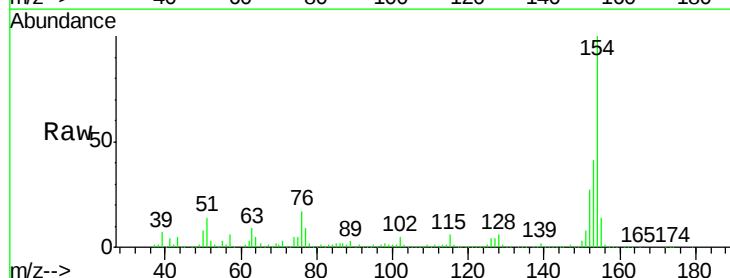
Tgt Ion:154 Resp: 693147

Ion Ratio Lower Upper

154 100

153 40.9 20.3 60.3

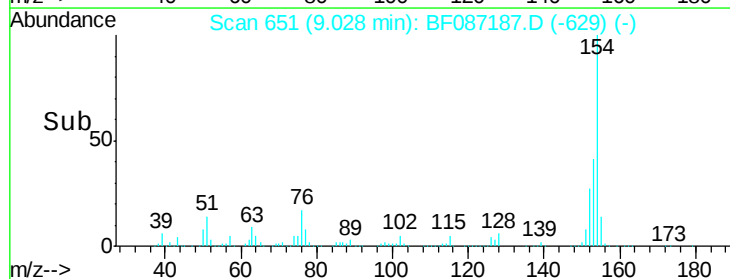
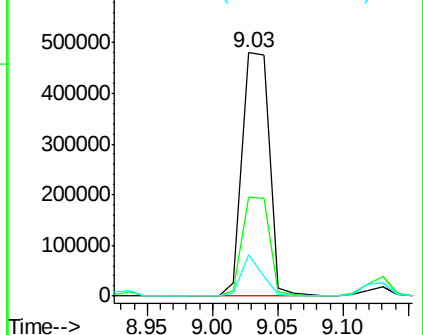
76 17.0 0.0 30.2

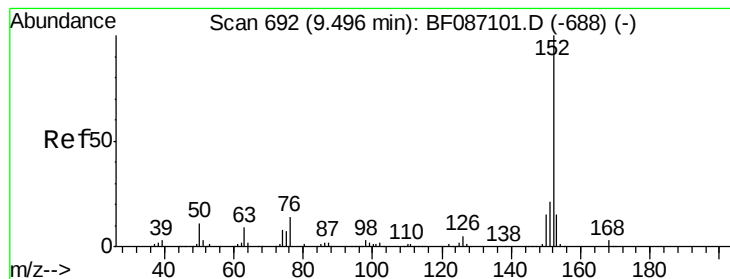


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 19.08 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

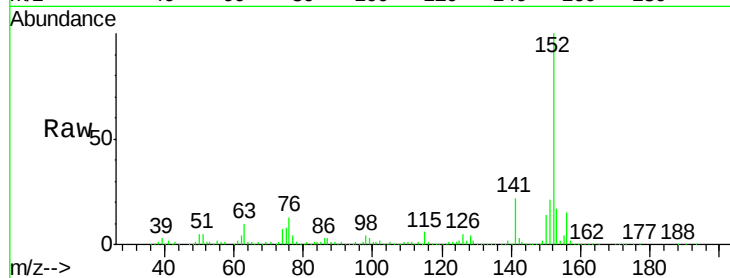
Tot Ion:152 Resp: 485970

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

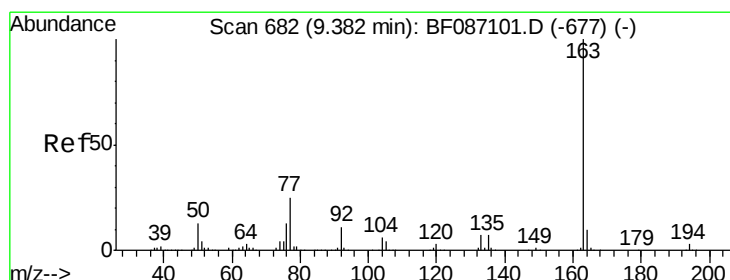
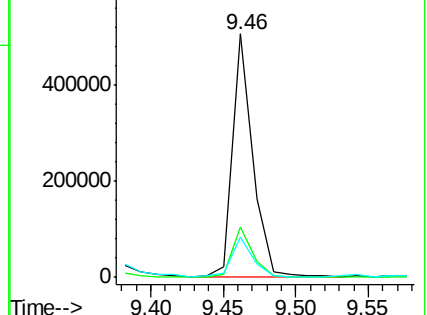
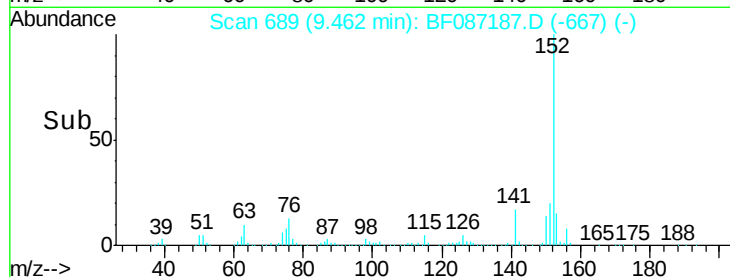
153 16.7 10.9 16.3#



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: 2.52 ng

RT: 9.34 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

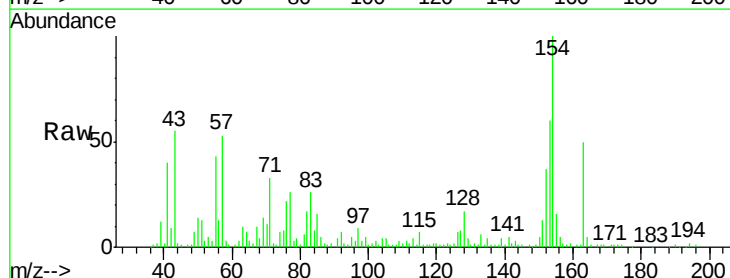
Tgt Ion:163 Resp: 50294

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

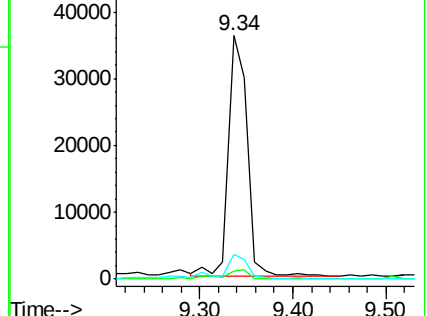
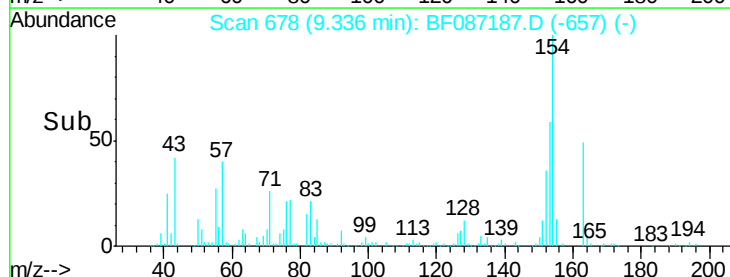
164 10.3 8.2 12.4

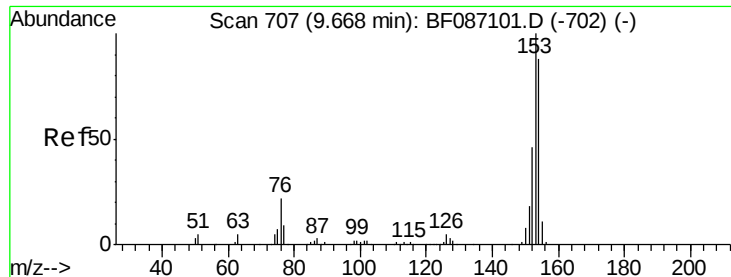


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 105.84 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

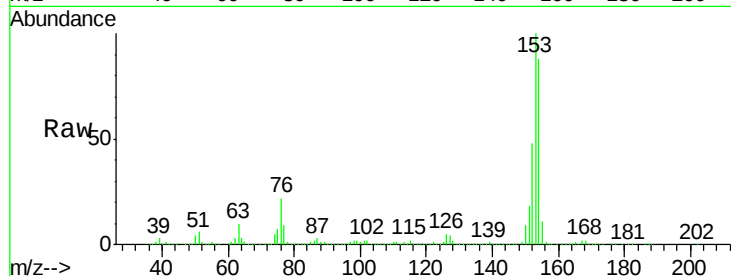
Tot Ion:154 Resp: 1684110

Ion Ratio Lower Upper

154 100

153 113.7 89.8 134.6

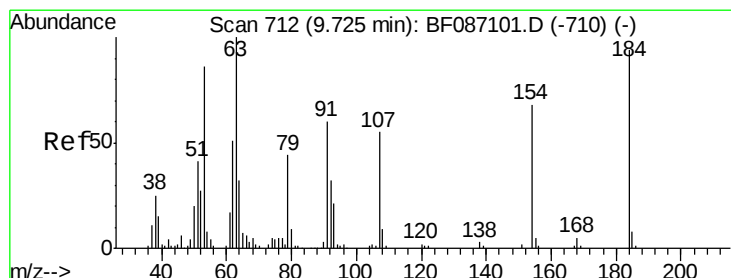
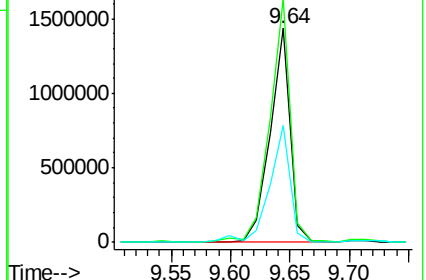
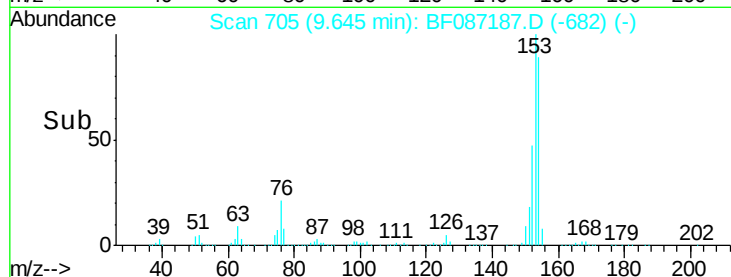
152 54.7 43.4 65.0



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



#53

2,4-Dinitrophenol

Concen: 4.82 ng

RT: 9.79 min Scan# 718

Delta R.T. 0.06 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

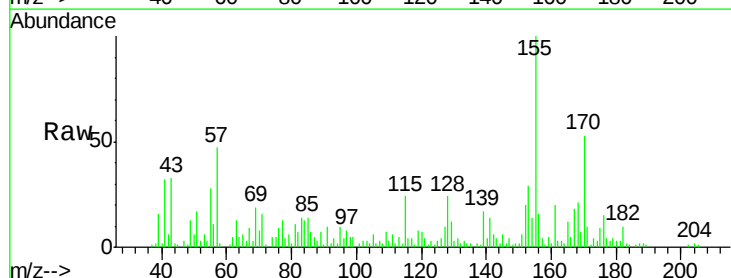
Tgt Ion:184 Resp: 216

Ion Ratio Lower Upper

184 100

63 1501.9 55.8 83.8#

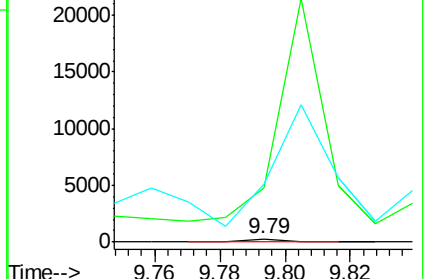
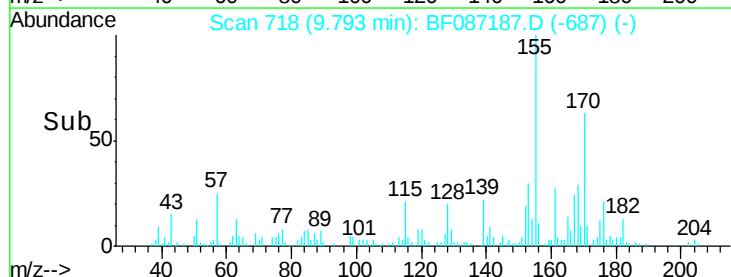
154 1626.7 62.4 93.6#

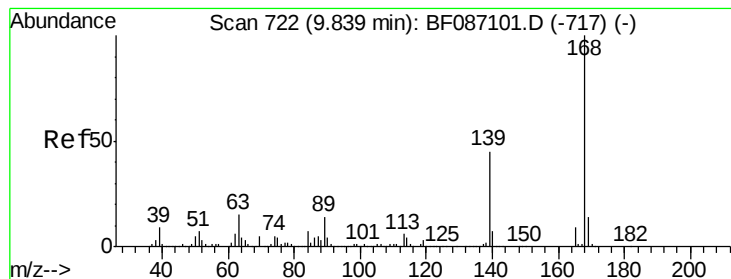


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 2.38 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.21 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

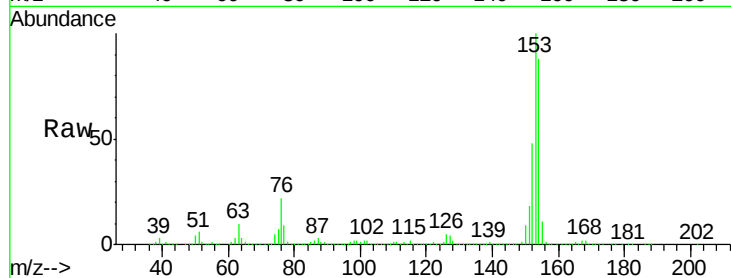
Tot Ion:168 Resp: 48971

Ion Ratio Lower Upper

168 100

139 38.8 31.4 47.0

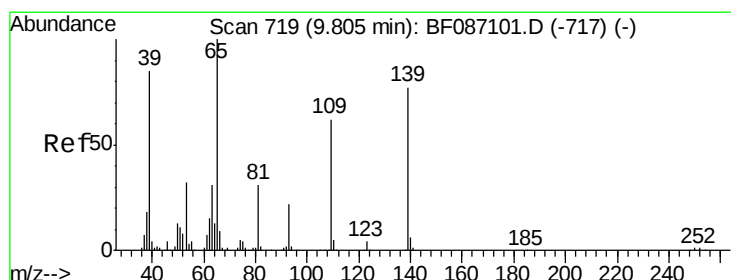
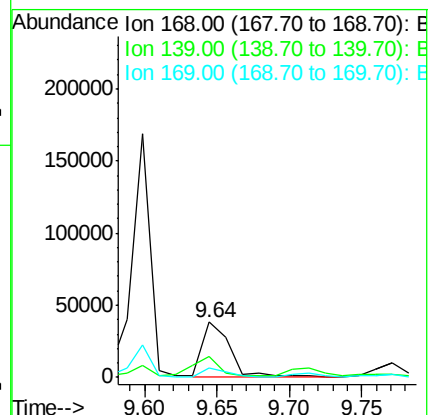
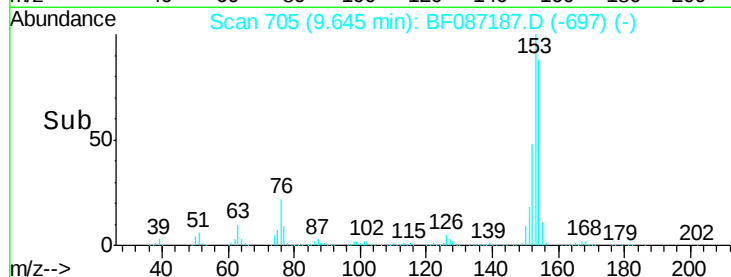
169 15.9 10.7 16.1



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: 6.10 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.22 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

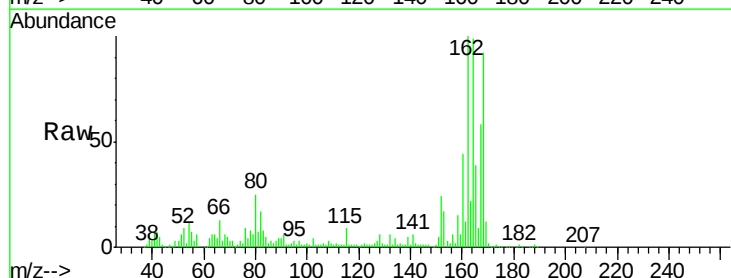
Tgt Ion:139 Resp: 8149

Ion Ratio Lower Upper

139 100

109 37.3 36.9 76.9

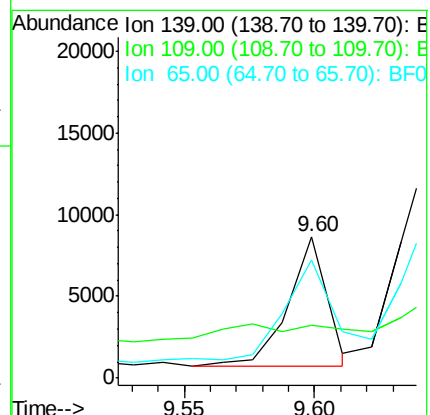
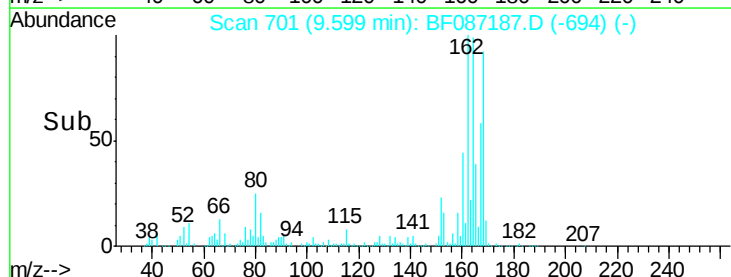
65 83.8 64.0 104.0

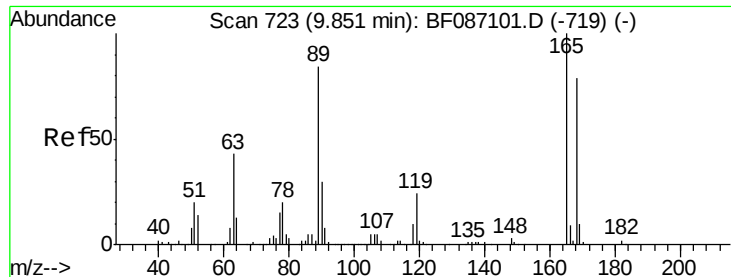


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

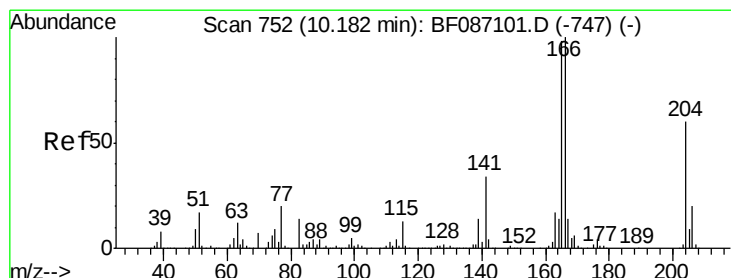
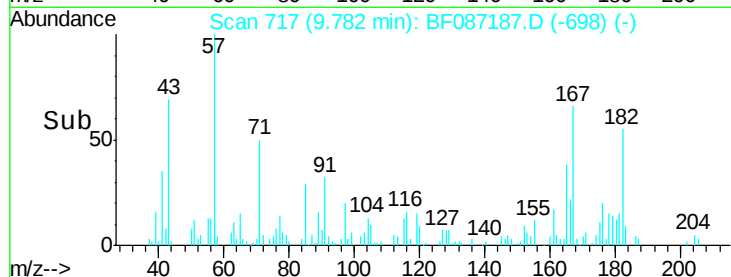
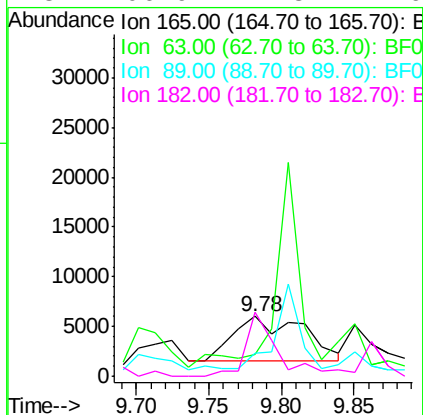
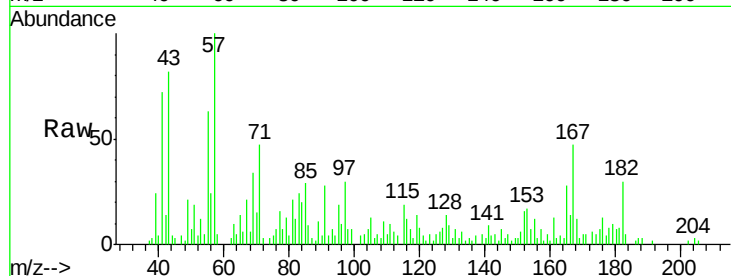




#56
2,4-Dinitrotoluene
Concen: 2.72 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.08 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

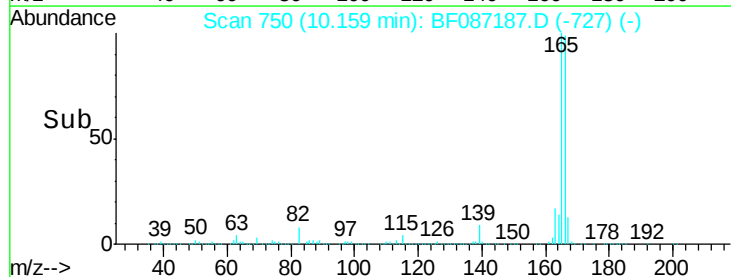
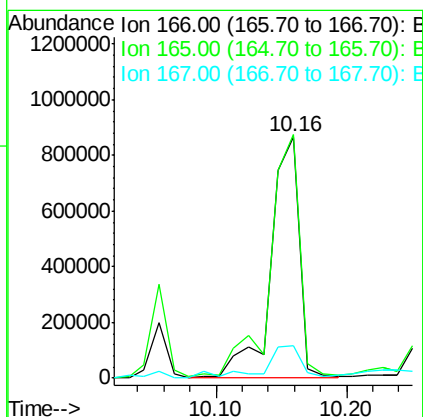
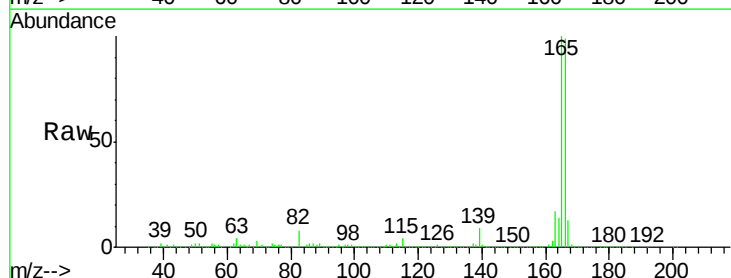
Instrument :
BNA_F
ClientSampled :

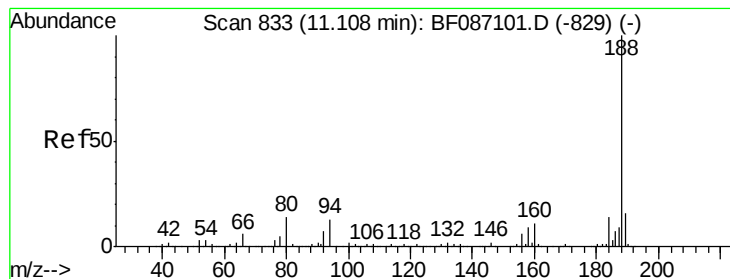
Tot Ion:165 Resp: 15143
Ion Ratio Lower Upper
165 100
63 36.4 44.3 66.5#
89 38.3 70.0 105.0#
182 106.9 1.8 2.6#



#57
Fluorene
Concen: 80.07 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Tgt Ion:166 Resp: 1323596
Ion Ratio Lower Upper
166 100
165 100.8 79.0 118.6
167 13.6 10.6 15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

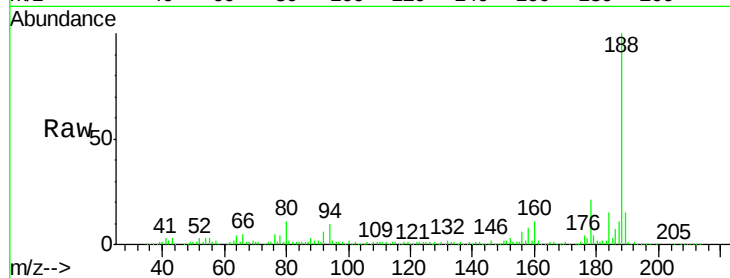
Tot Ion:188 Resp: 469012

Ion Ratio Lower Upper

188 100

94 10.2 6.8 10.2#

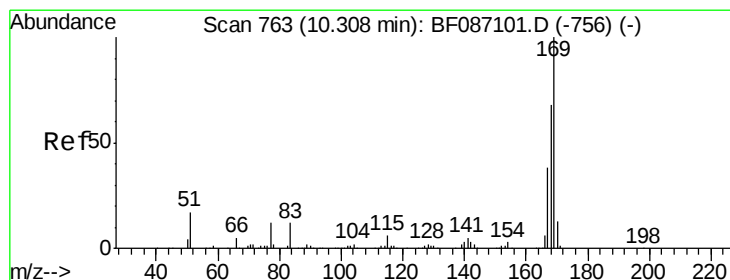
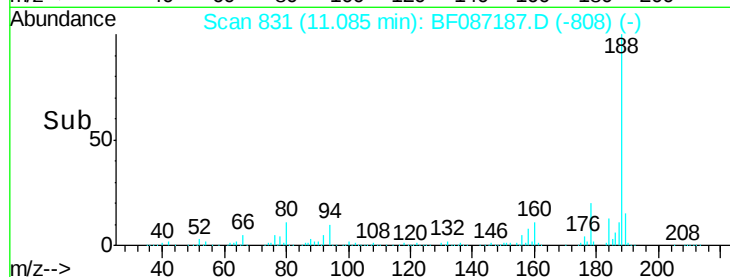
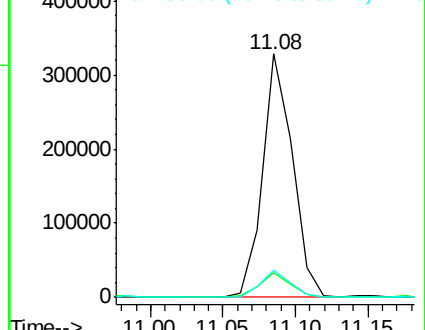
80 11.1 7.1 10.7#



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



#65

n-Nitrosodiphenylamine

Concen: 2.29 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.06 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

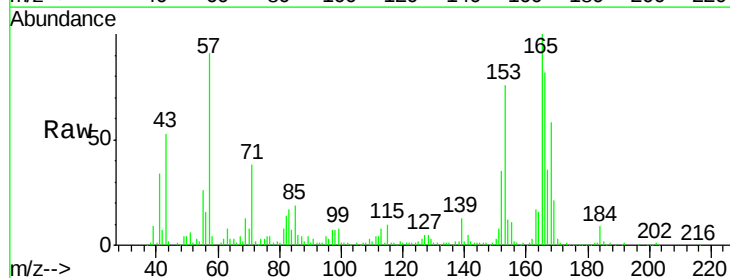
Tgt Ion:169 Resp: 33829

Ion Ratio Lower Upper

169 100

168 272.3 53.8 80.6#

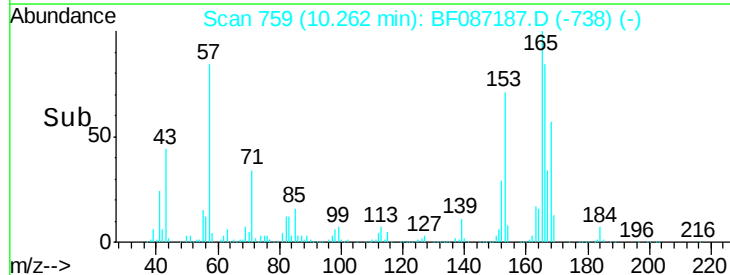
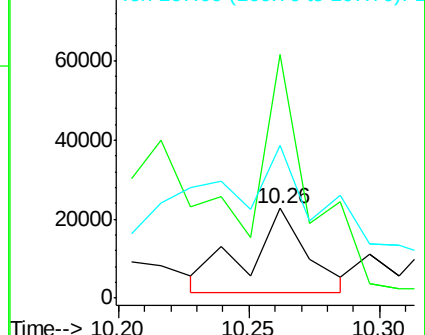
167 170.3 29.5 44.3#

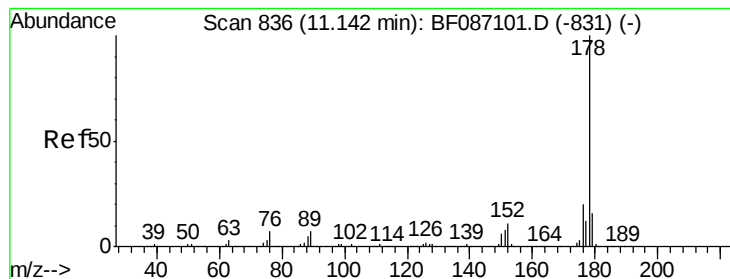


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 216.94 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

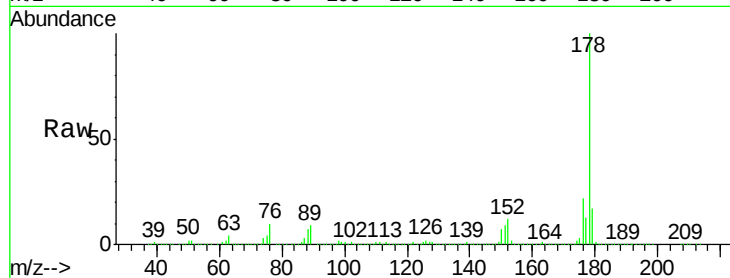
Tot Ion:178 Resp: 5518381

Ion Ratio Lower Upper

178 100

176 21.9 16.0 24.0

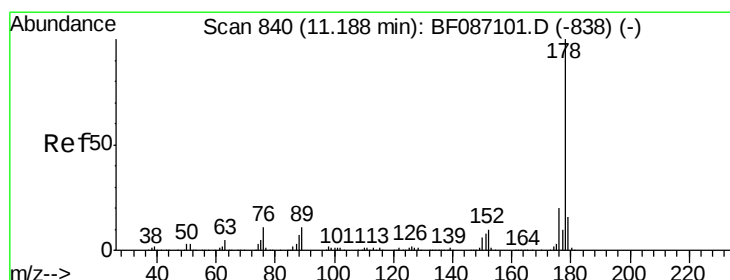
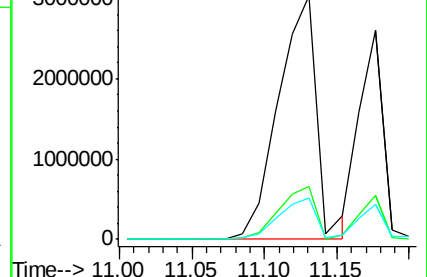
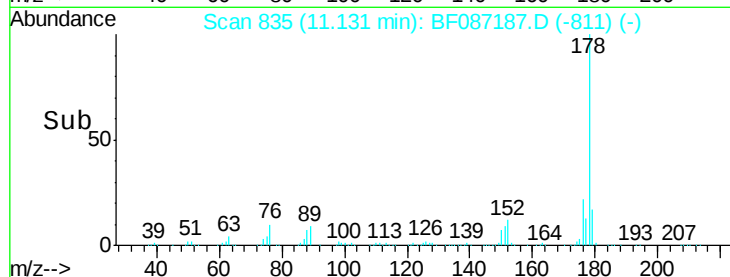
179 16.8 12.6 18.8



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: 116.73 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.02 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

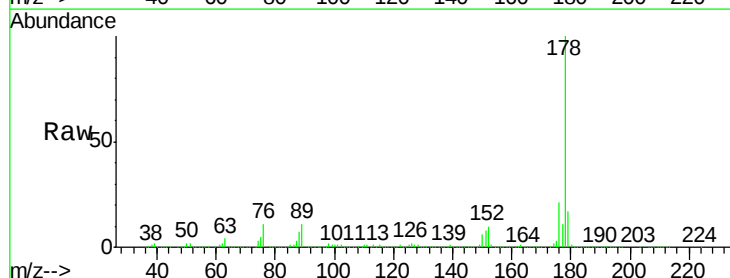
Tgt Ion:178 Resp: 3003407

Ion Ratio Lower Upper

178 100

176 20.8 15.6 23.4

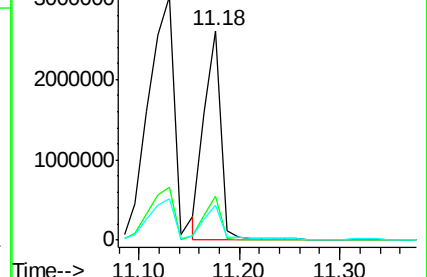
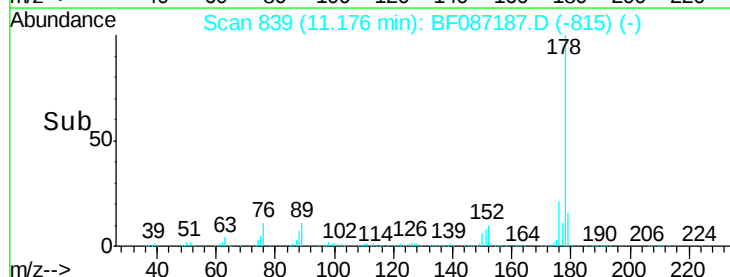
179 16.8 12.7 19.1

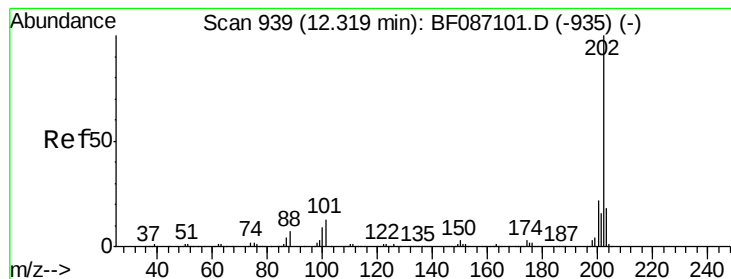


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 87.38 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

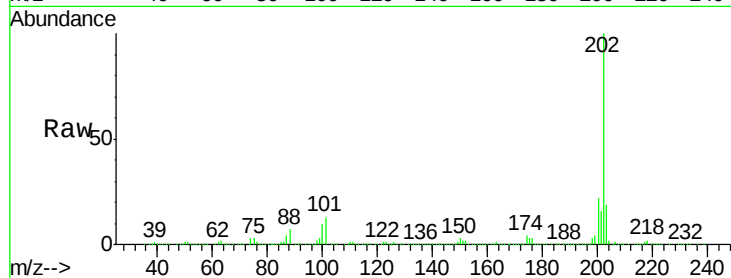
Tot Ion:202 Resp: 2226985

Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.4

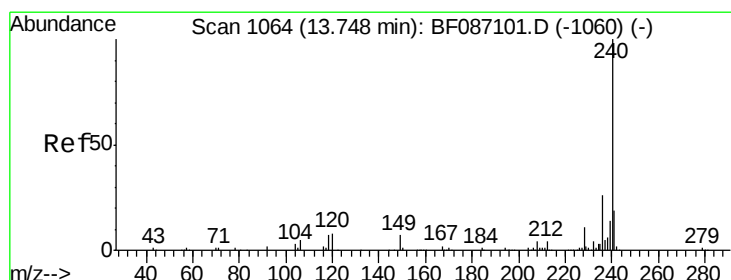
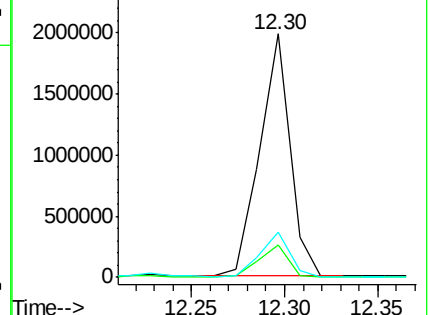
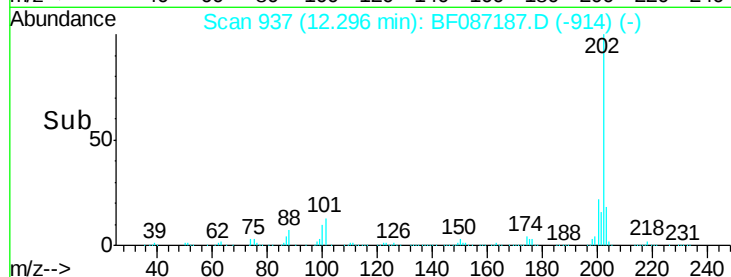
203 18.6 0.0 38.1



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: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

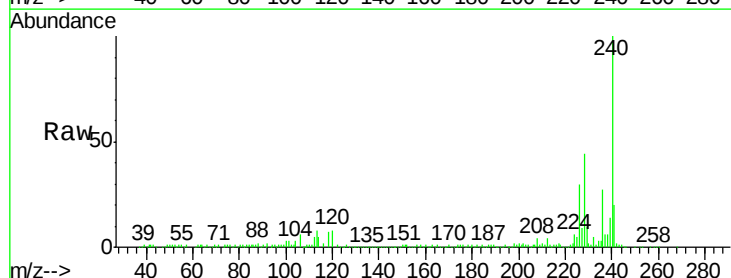
Tgt Ion:240 Resp: 330350

Ion Ratio Lower Upper

240 100

120 8.3 11.2 16.8#

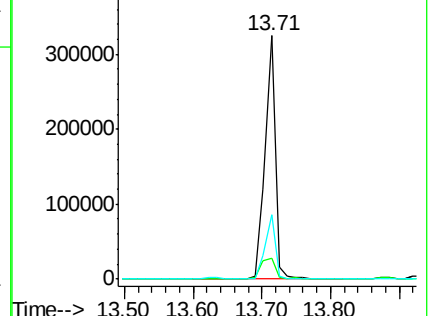
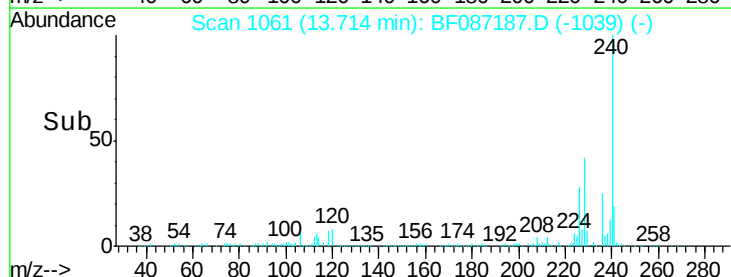
236 26.5 21.2 31.8

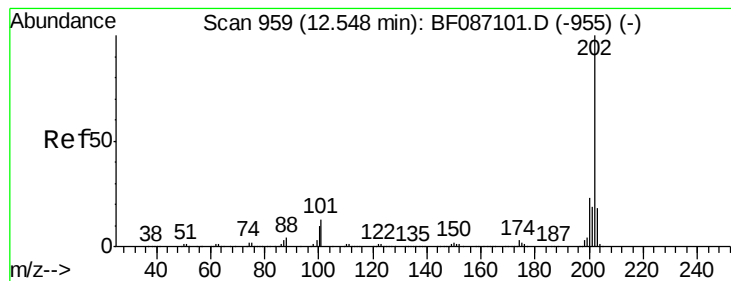


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 128.77 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

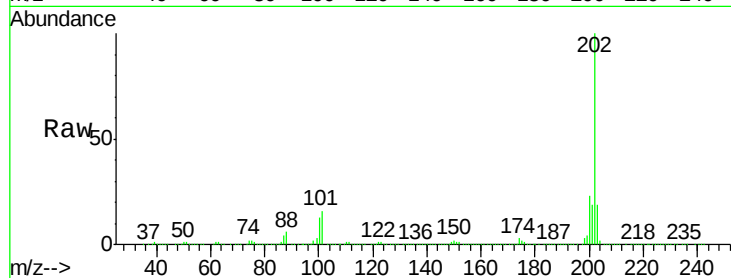
Tot Ion:202 Resp: 3073199

Ion Ratio Lower Upper

202 100

200 23.1 17.7 26.5

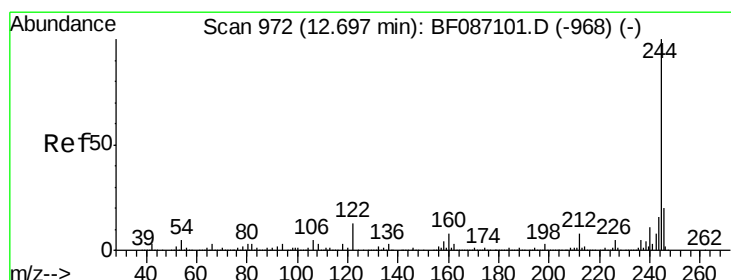
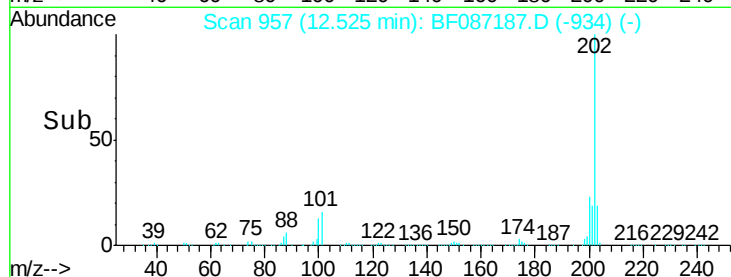
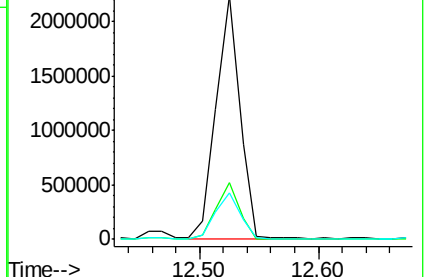
203 18.9 14.2 21.4



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: 24.00 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

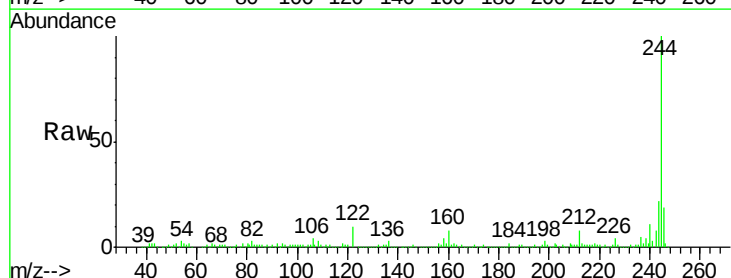
Tgt Ion:244 Resp: 350494

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

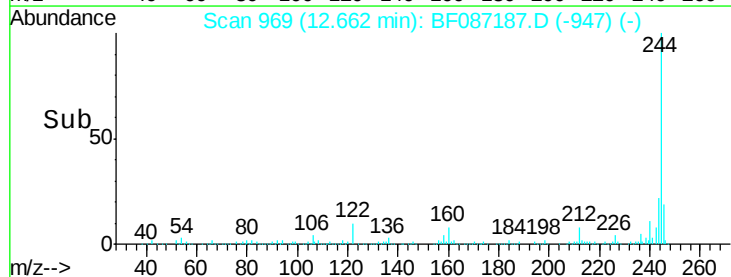
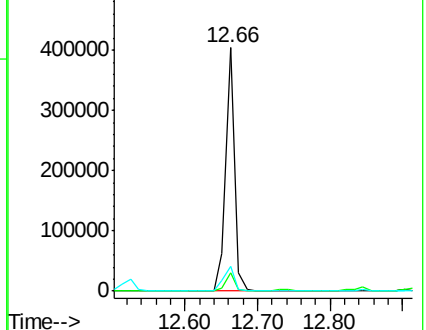
122 10.2 12.0 18.0#

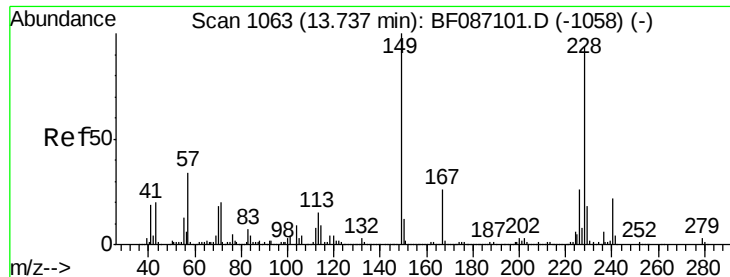


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

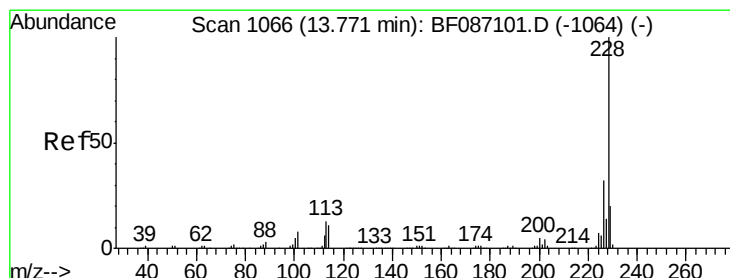
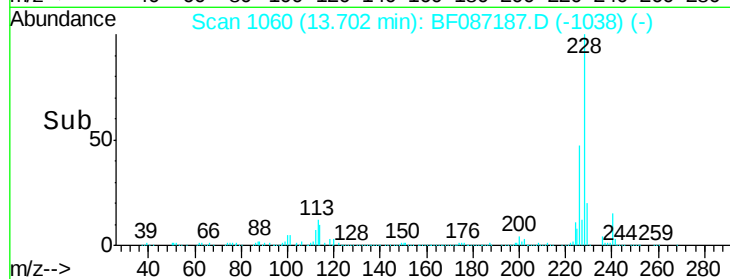
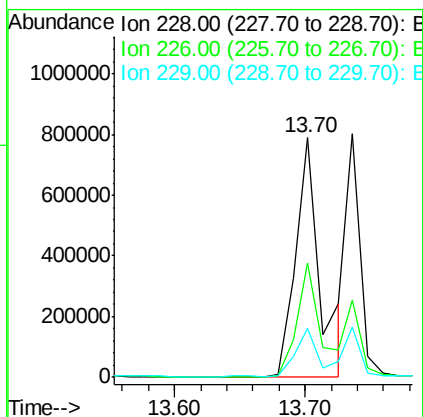
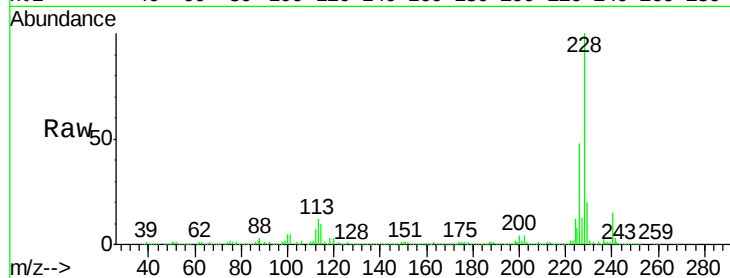




#80
Benzo(a)anthracene
Concen: 53.94 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

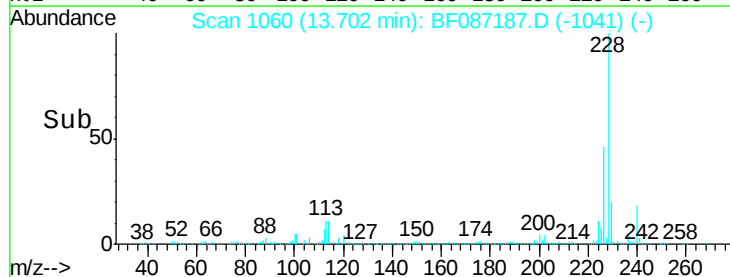
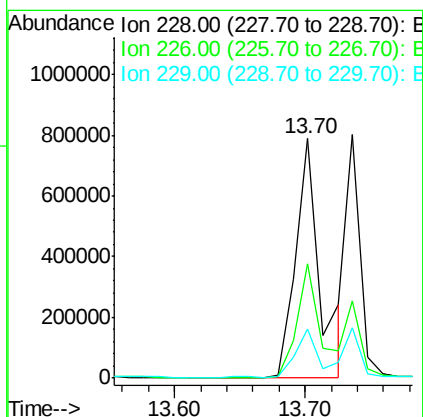
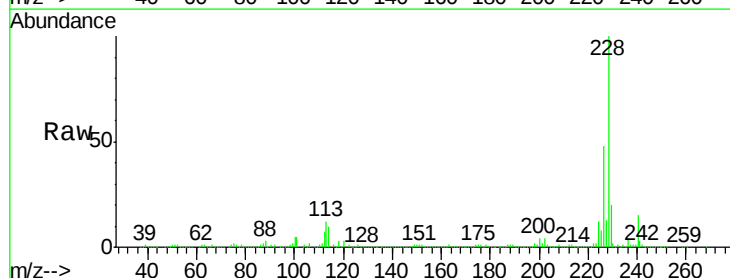
Instrument :
BNA_F
ClientSampleId :

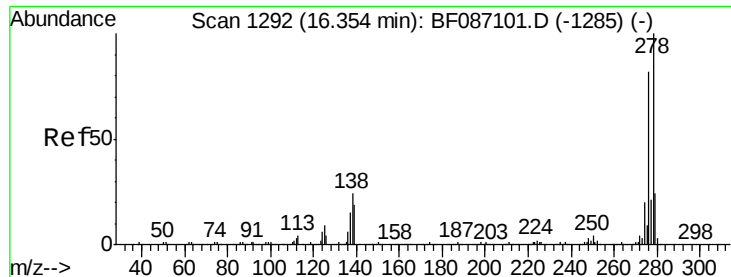
Tot Ion:228 Resp: 1030263
Ion Ratio Lower Upper
228 100
226 47.7 22.5 33.7#
229 20.3 16.6 25.0



#82
Chrysene
Concen: 55.75 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.08 min
Lab File: BF087187.D
Acq: 19 May 2016 14:31

Tgt Ion:228 Resp: 1030263
Ion Ratio Lower Upper
228 100
226 47.7 24.4 36.6#
229 20.3 15.8 23.8

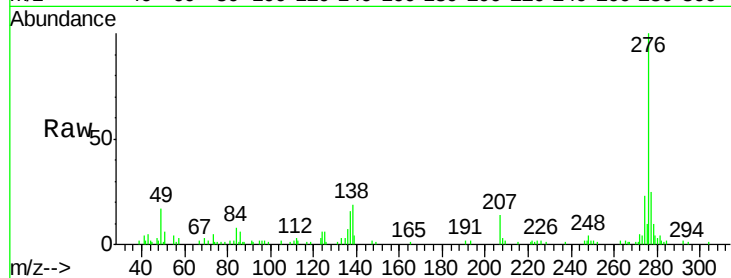




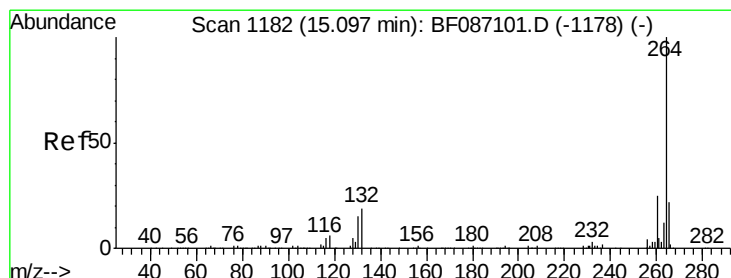
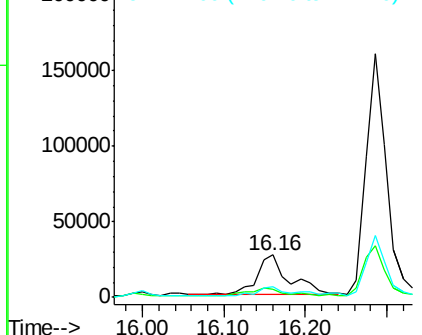
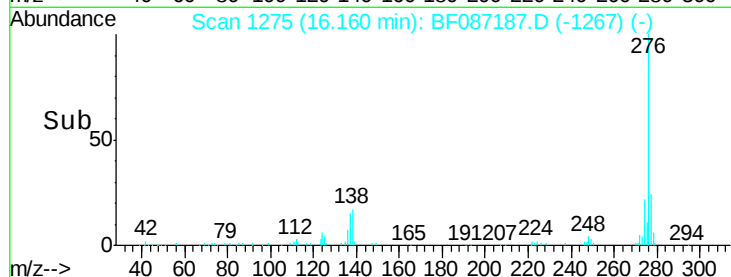
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.59 ng
 RT: 16.16 min Scan# 1275
 Delta R.T. -0.21 min
 Lab File: BF087187.D
 Acq: 19 May 2016 14:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 74403
 Ion Ratio Lower Upper
 276 100
 138 26.0 25.6 38.4
 277 20.7 20.5 30.7

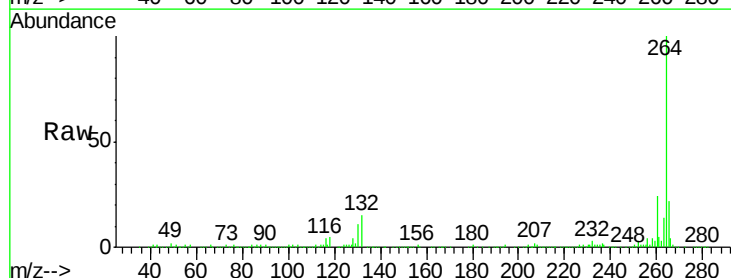


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

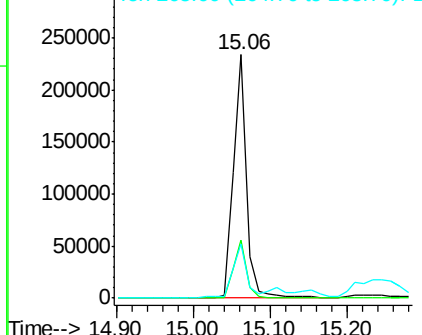
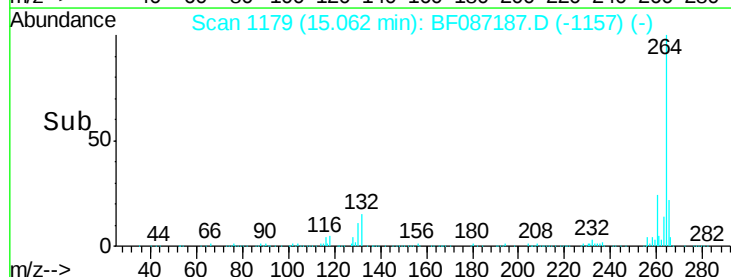


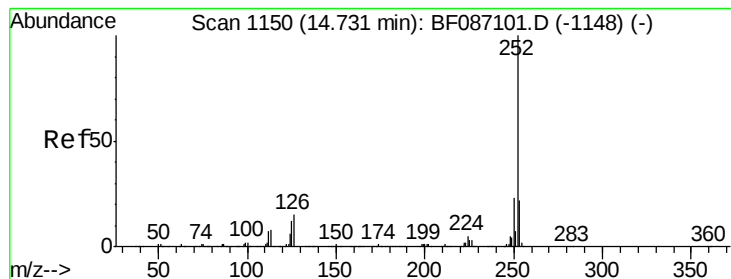
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087187.D
 Acq: 19 May 2016 14:31

Tgt Ion:264 Resp: 289470
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 22.3 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 38.80 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampleId :

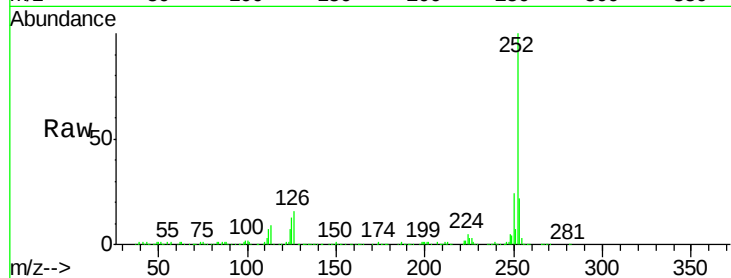
Tot Ion:252 Resp: 745033

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

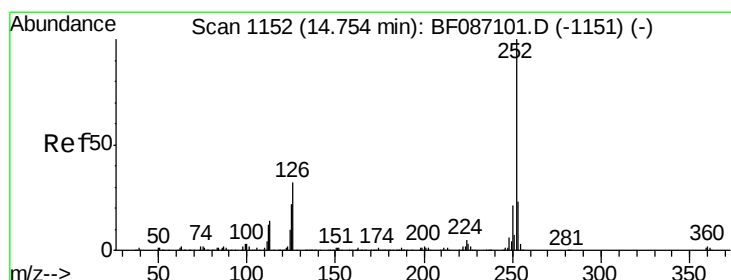
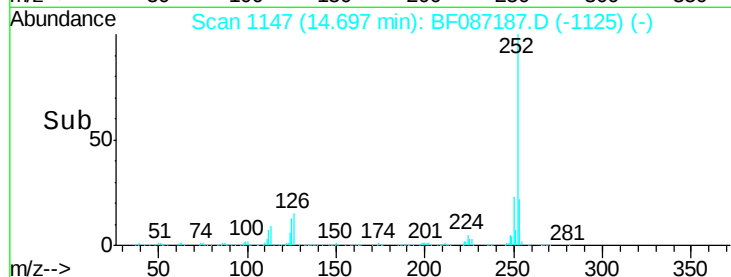
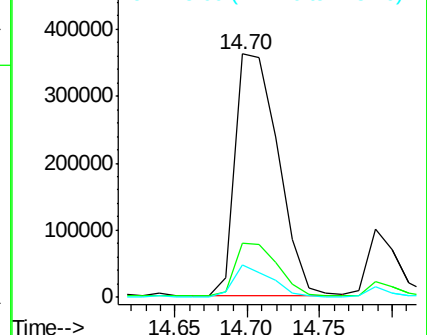
125 13.5 11.4 17.0



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



#88

Benzo(k)fluoranthene

Concen: 52.11 ng

RT: 14.70 min Scan# 1147

Delta R.T. -0.08 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

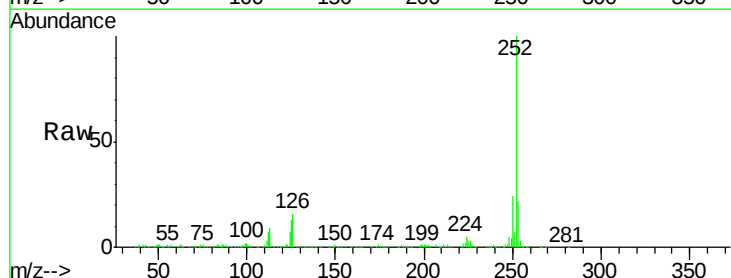
Tgt Ion:252 Resp: 745033

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

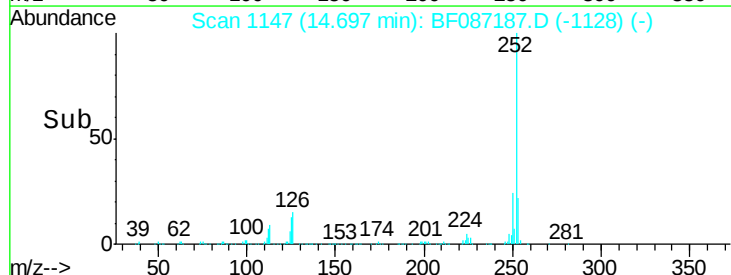
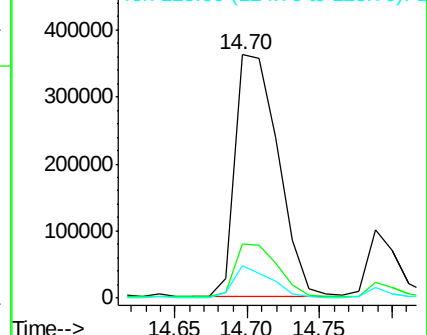
125 13.5 9.1 13.7

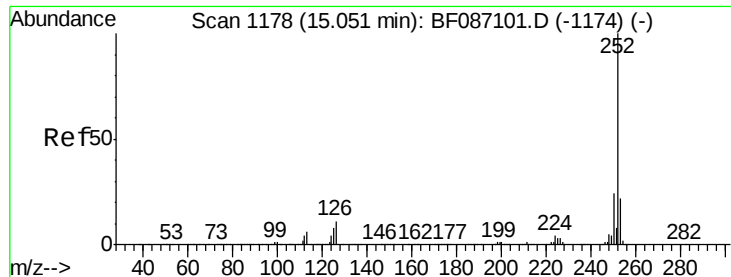


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 21.62 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.10 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

Instrument :

BNA_F

ClientSampled :

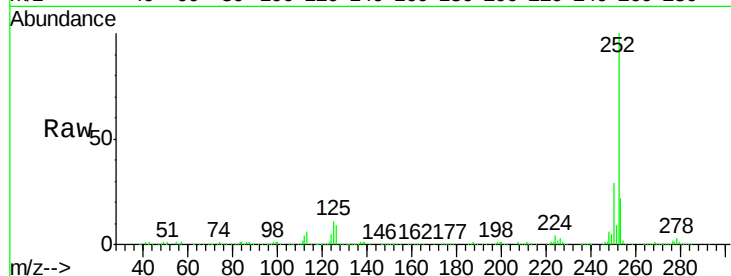
Tot Ion:252 Resp: 347062

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

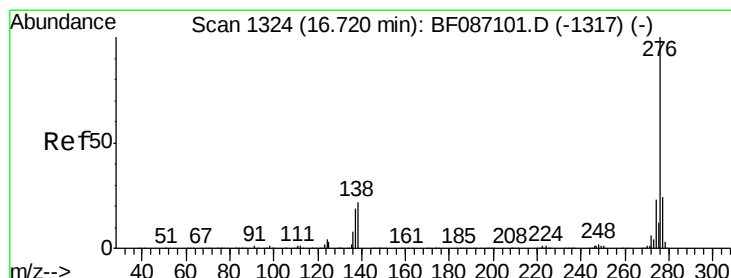
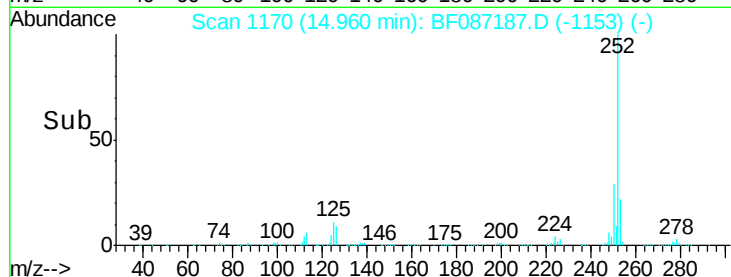
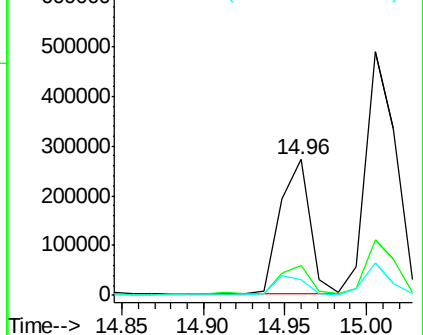
125 11.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 24.09 ng

RT: 16.65 min Scan# 1318

Delta R.T. -0.09 min

Lab File: BF087187.D

Acq: 19 May 2016 14:31

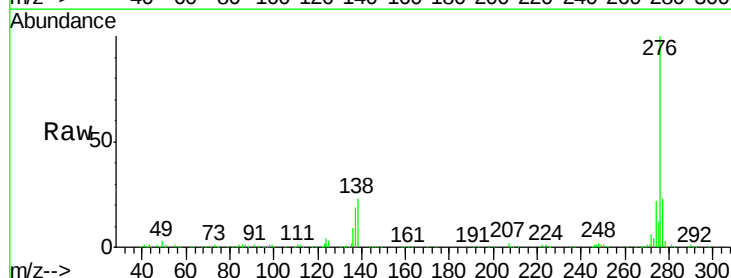
Tgt Ion:276 Resp: 328837

Ion Ratio Lower Upper

276 100

277 23.0 19.6 29.4

138 22.6 23.6 35.4#



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

