

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088421.D
 Acq On : 26 Jun 2016 16:32
 Operator : UM/SJ
 Sample : H3663-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12

Quant Time: Jun 27 03:55:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	72509	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	296685	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	141943	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	252508	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	183546	20.00	ng	-0.07
86) Perylene-d12	15.03	264	167042	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.14	112	585369	138.01	ng	-0.03
7) Phenol-d6	6.22	99	683761	133.02	ng	-0.05
23) Nitrobenzene-d5	7.12	82	433561	85.33	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	169210	112.90	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	807772	89.71	ng	-0.06
78) Terphenyl-d14	12.64	244	706863	87.63	ng	-0.06

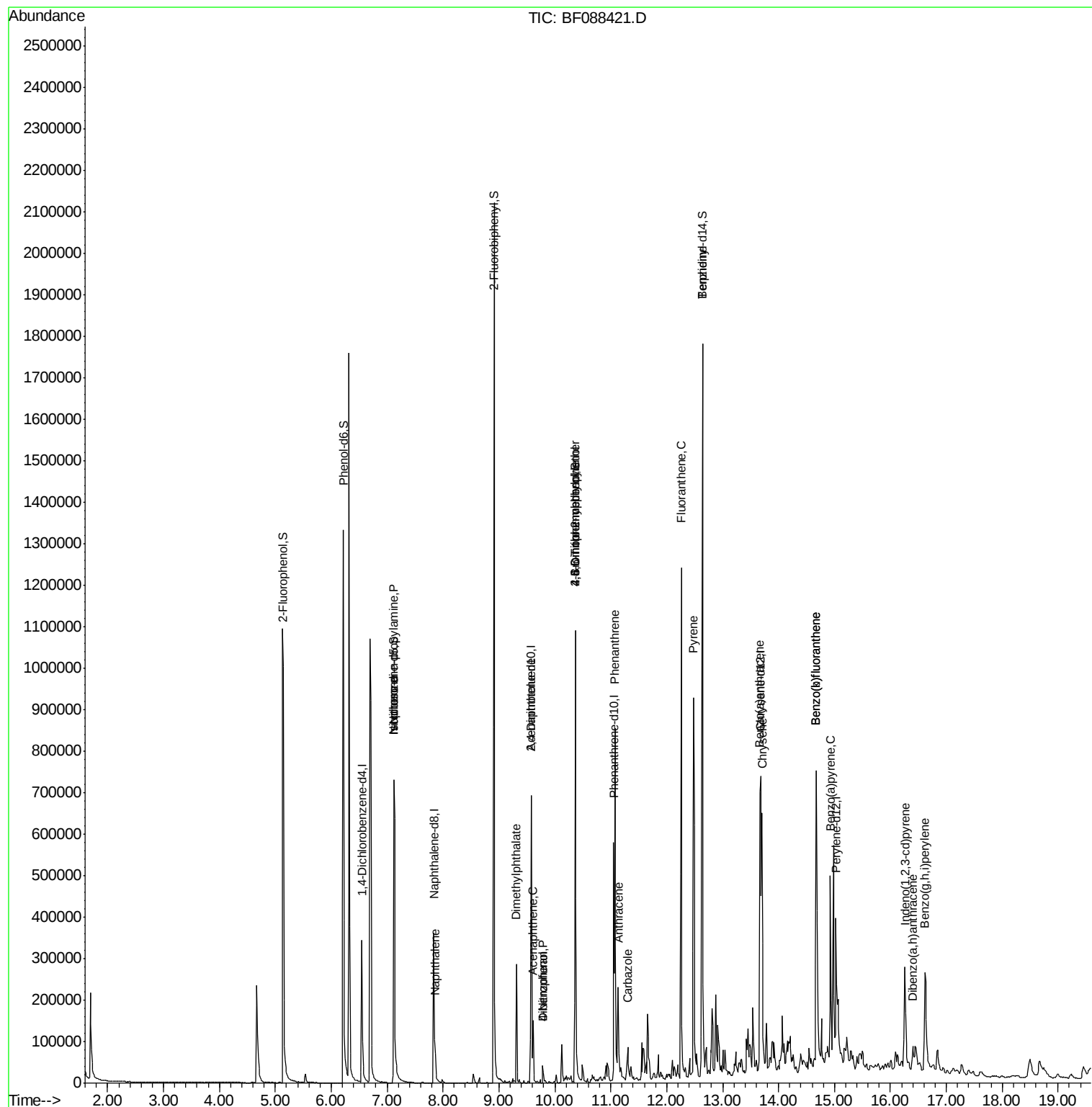
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.23	94	2680	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	53337	16.22	ng	72
25) Isophorone	7.12	82	426972	45.37	ng	65
31) Naphthalene	7.85	128	55072	3.75	ng	99
45) 1,1'-Biphenyl	9.02	154	3149	Below Cal		94
49) Dimethylphthalate	9.31	163	126520	12.30	ng	99
51) Acenaphthene	9.61	154	40387	4.43	ng	98
54) Dibenzofuran	9.78	168	27603	2.20	ng	# 90
55) 4-Nitrophenol	9.78	139	9787	4.64	ng	# 5
56) 2,4-Dinitrotoluene	9.58	165	17553	5.80	ng	# 38
57) Fluorene	10.12	166	35872	Below Cal		99
64) 4,6-Dinitro-2-methylphenol	10.36	198	228	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.36	248	10175	3.76	ng	# 1
70) Phenanthrene	11.07	178	366748	27.68	ng	98
71) Anthracene	11.13	178	126757	9.48	ng	98
72) Carbazole	11.30	167	62981	5.04	ng	99
74) Fluoranthene	12.26	202	589254	42.14	ng	97
76) Benzydine	12.64	184	10194	2.01	ng	# 91
77) Pyrene	12.48	202	501301	36.81	ng	96
80) Benzo(a)anthracene	13.67	228	294645	28.17	ng	98
82) Chrysene	13.70	228	243762	24.77	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	197102	21.56	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	492885	42.33	ng	# 96
88) Benzo(k)fluoranthene	14.67	252	492885	56.12	ng	99
89) Benzo(a)pyrene	14.93	252	192135	20.40	ng	97
90) Dibenzo(a,h)anthracene	16.40	278	34463	3.94	ng	94
91) Benzo(g,h,i)perylene	16.62	276	211599	23.51	ng	98

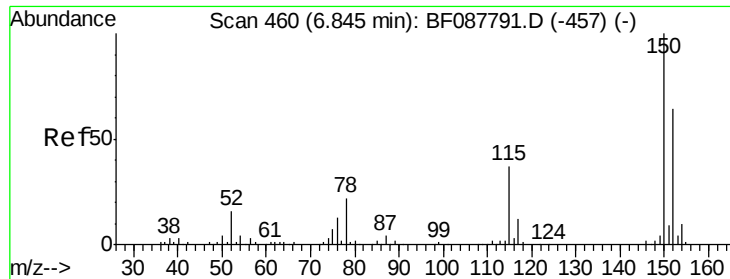
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.06 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

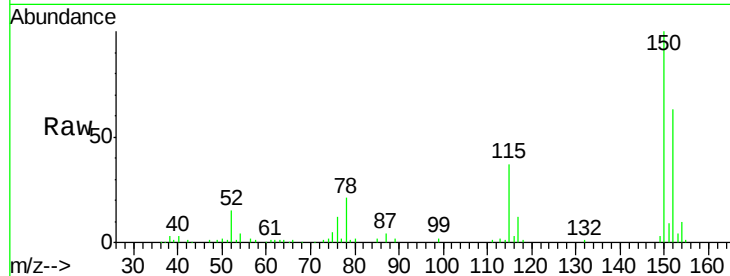
Tot Ion:152 Resp: 72509

Ion Ratio Lower Upper

152 100

150 157.8 123.8 185.6

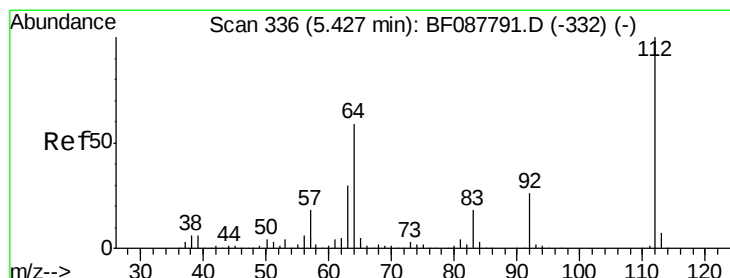
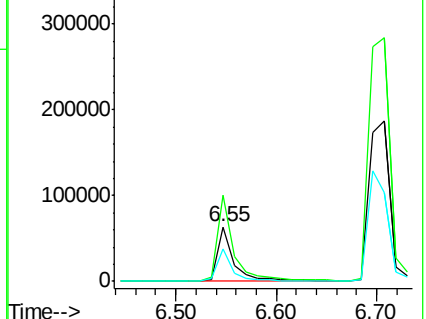
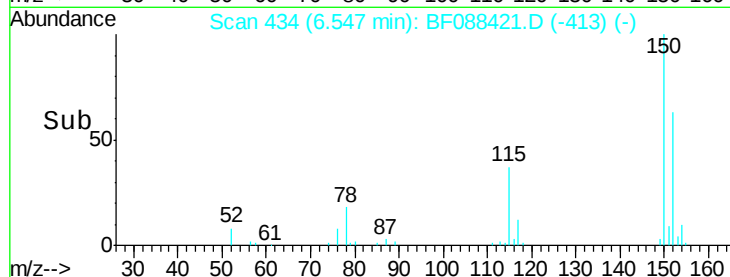
115 58.5 39.6 59.4



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: 138.01 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

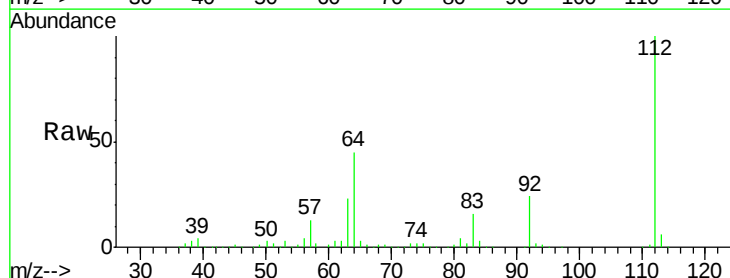
Tgt Ion:112 Resp: 585369

Ion Ratio Lower Upper

112 100

64 45.4 42.2 63.2

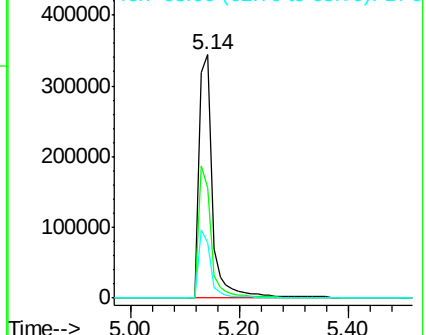
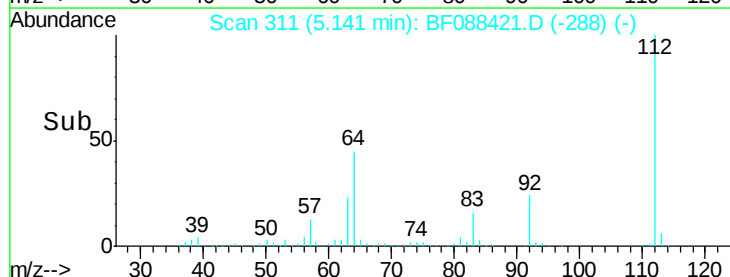
63 23.0 21.8 32.8

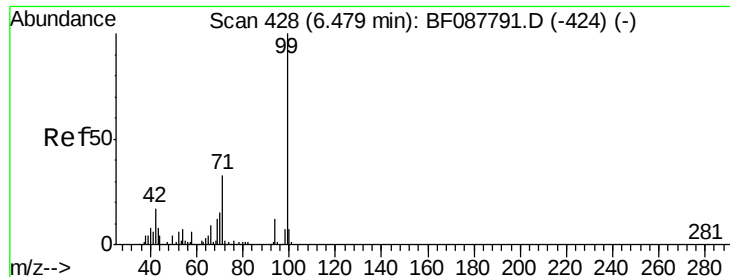


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 133.02 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

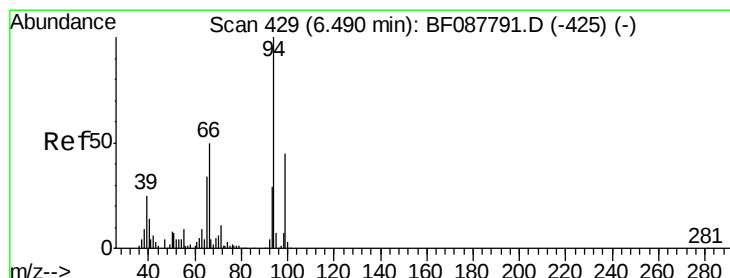
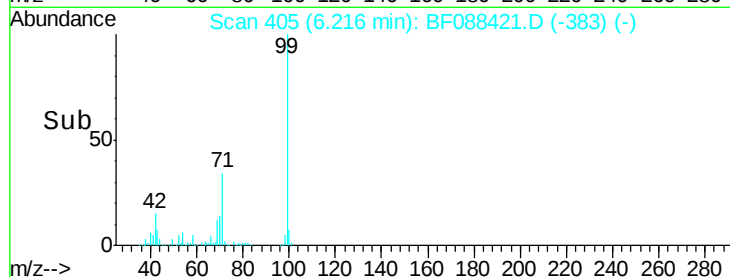
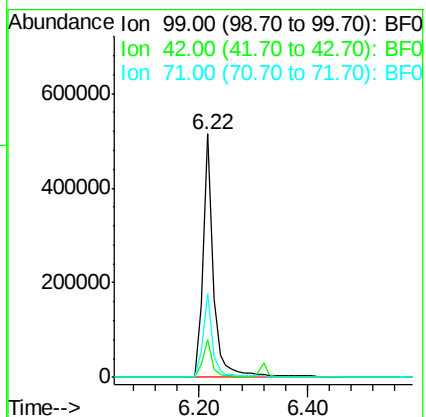
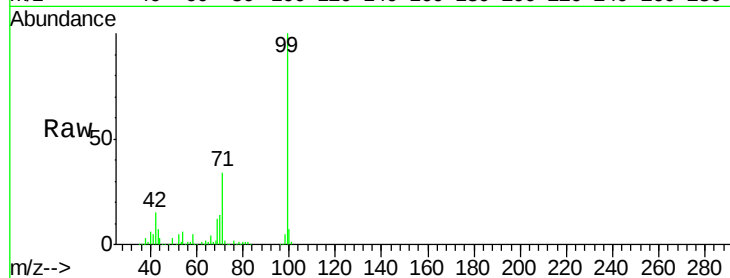
Tot Ion: 99 Resp: 683761

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

71 34.1 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

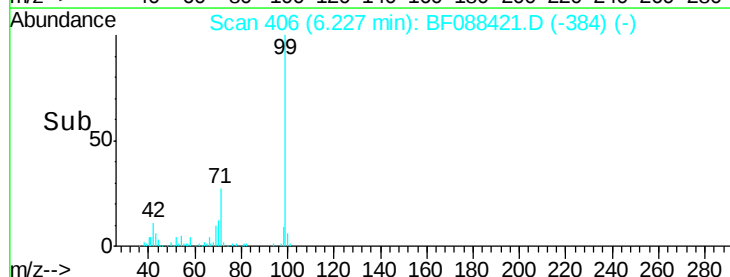
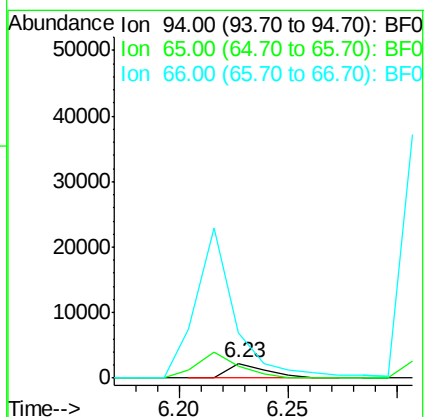
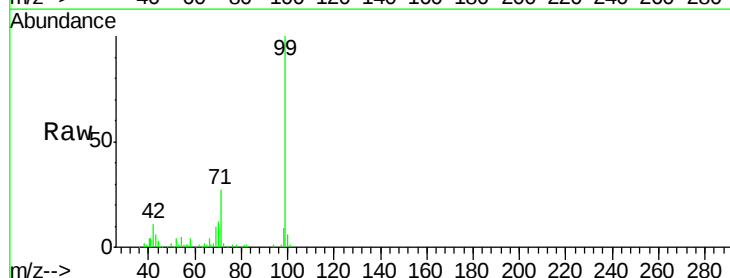
Tgt Ion: 94 Resp: 2680

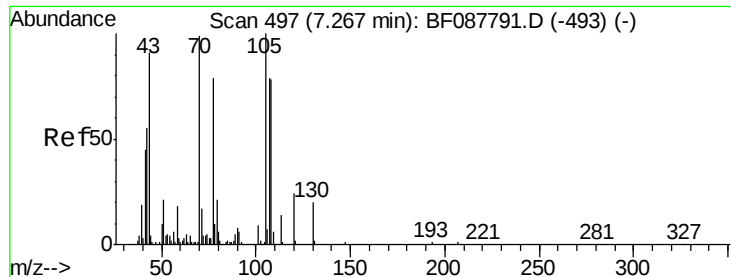
Ion Ratio Lower Upper

94 100

65 82.0 5.9 45.9#

66 301.1 14.0 54.0#

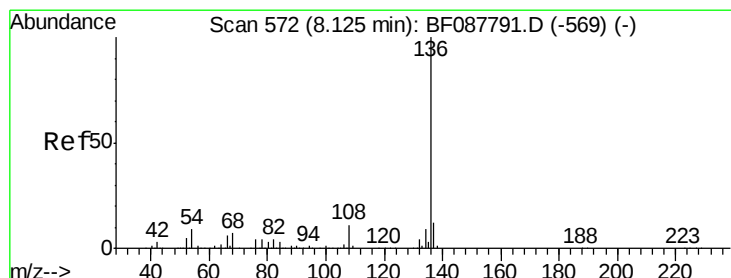
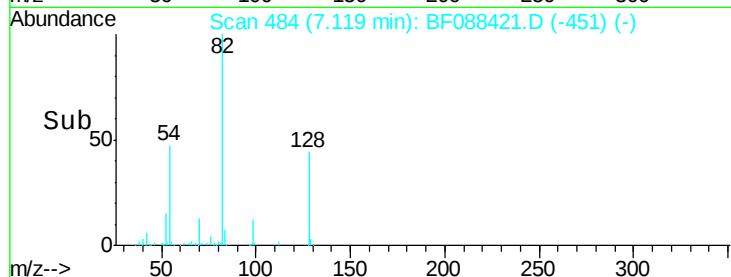
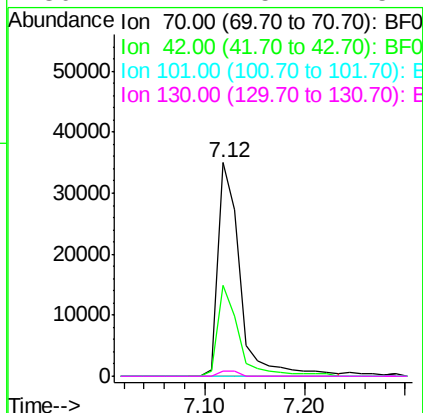
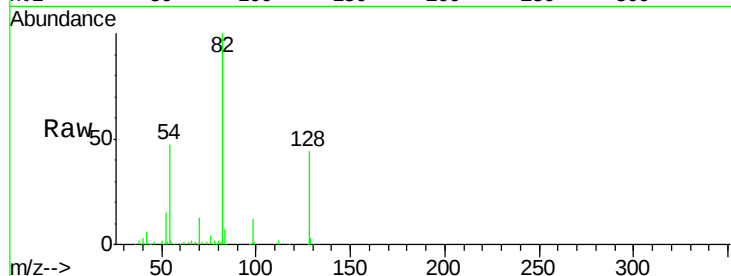




#19
n-Nitroso-di-n-propylamine
Concen: 16.22 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.08 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

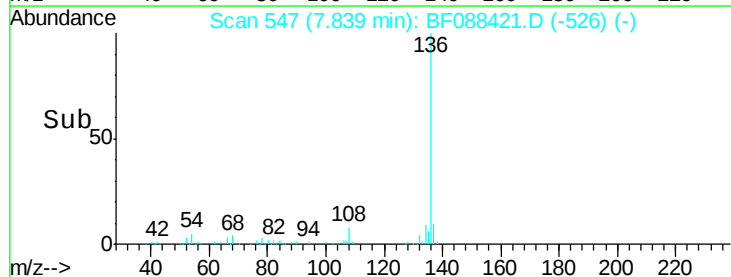
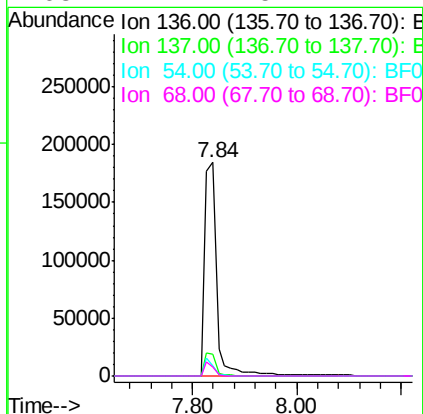
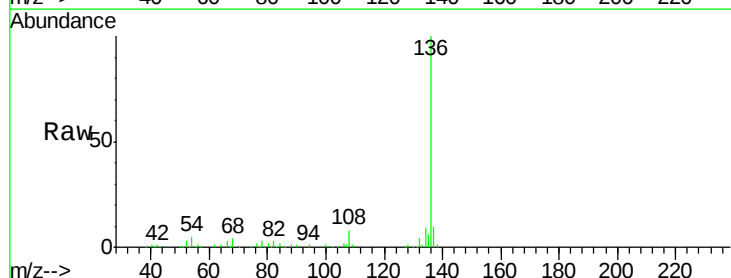
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TP-12

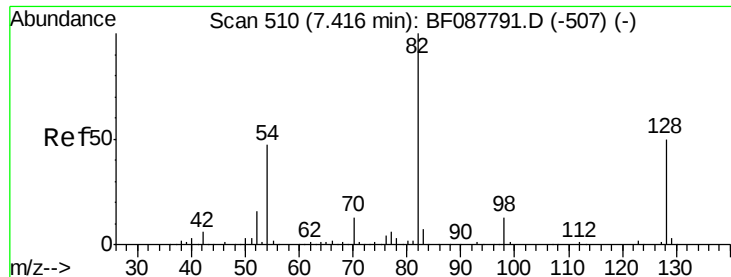
Tot Ion: 70 Resp: 53337
Ion Ratio Lower Upper
70 100
42 42.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion: 136 Resp: 296685
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 4.8 6.6 10.0#
68 4.1 5.1 7.7#

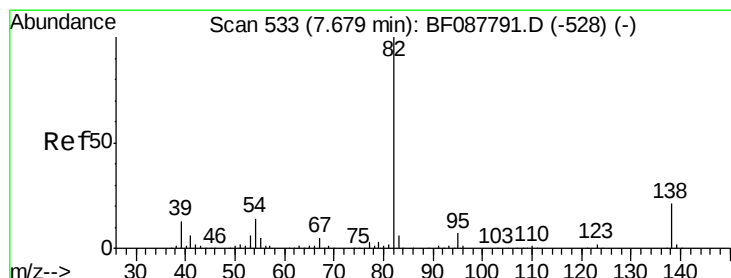
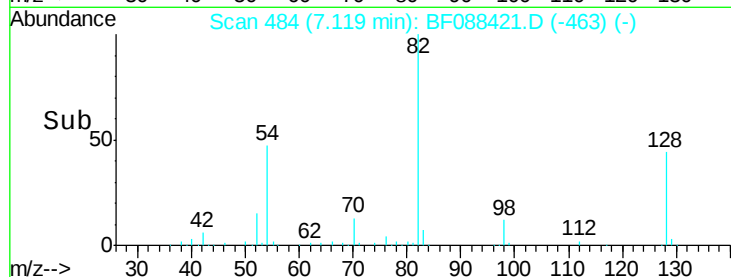
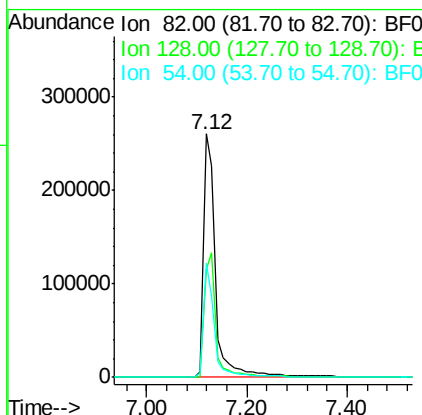
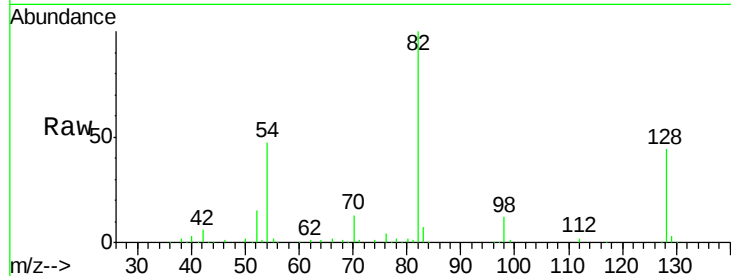




#23
 Nitrobenzene-d5
 Concen: 85.33 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.06 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

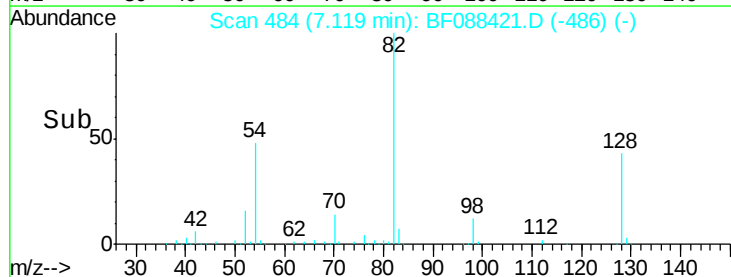
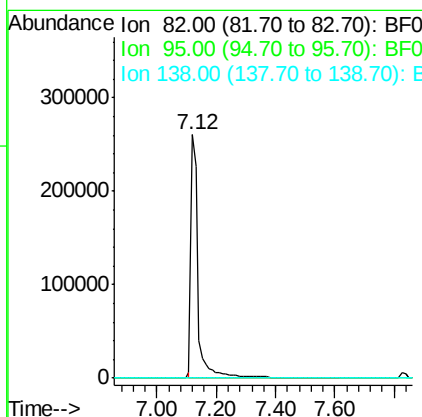
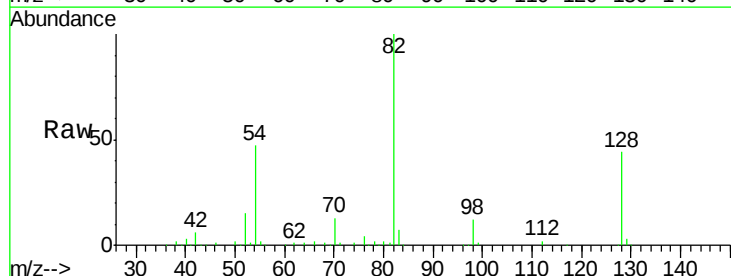
Instrument :
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 ClientSampleId :
 TP-12

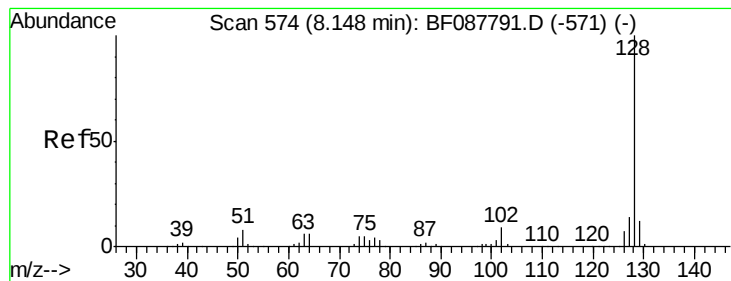
Tot Ion: 82 Resp: 433561
 Ion Ratio Lower Upper
 82 100
 128 44.5 35.9 53.9
 54 47.1 40.9 61.3



#25
 Isophorone
 Concen: 45.37 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.32 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Tgt Ion: 82 Resp: 426972
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 21.8#





#31

Naphthalene

Concen: 3.75 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

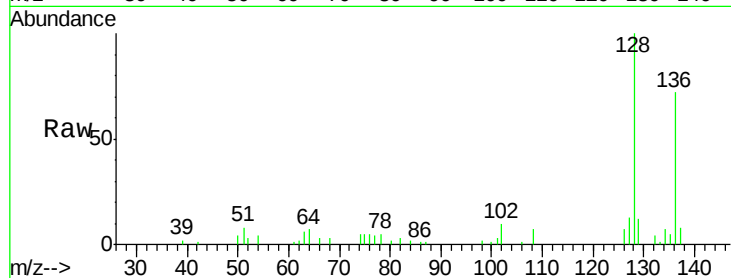
Tot Ion:128 Resp: 55072

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.2

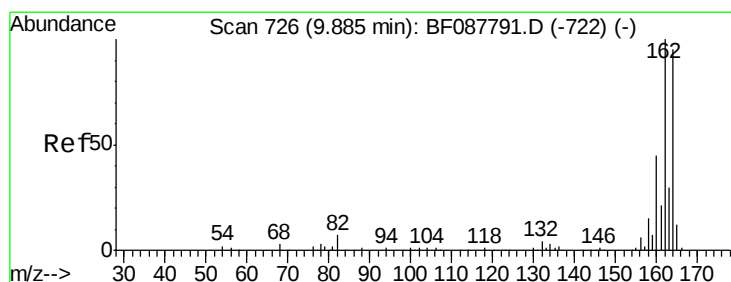
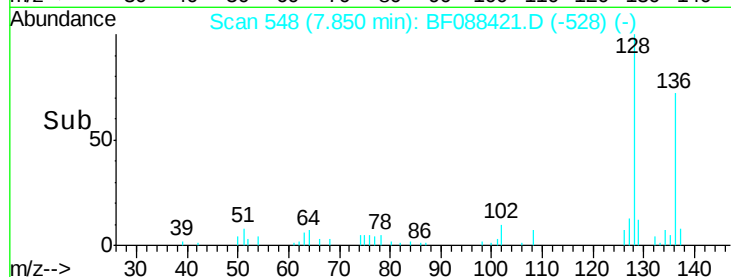
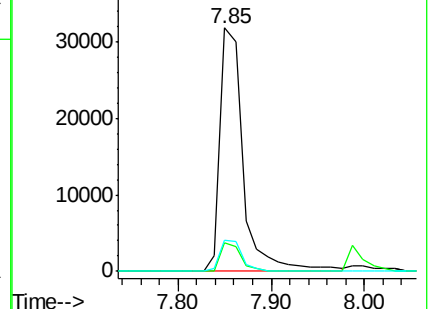
127 12.6 10.9 16.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

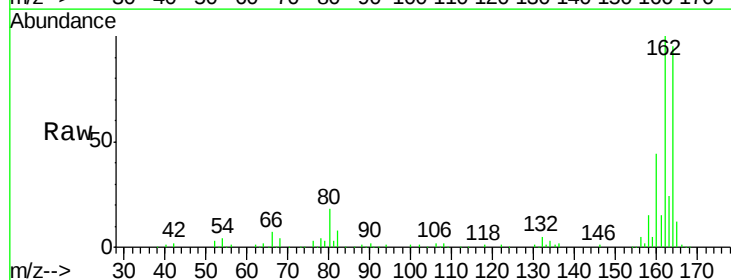
Tgt Ion:164 Resp: 141943

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

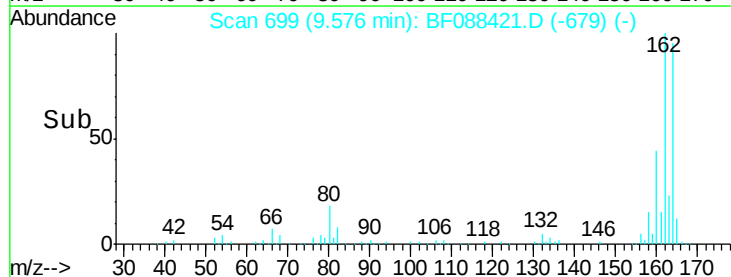
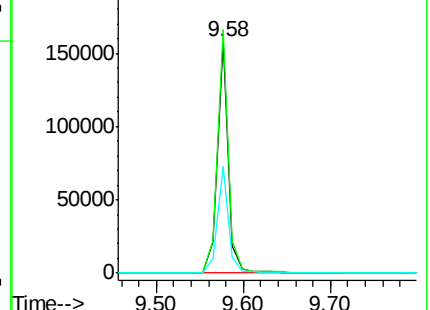
160 46.1 39.5 59.3

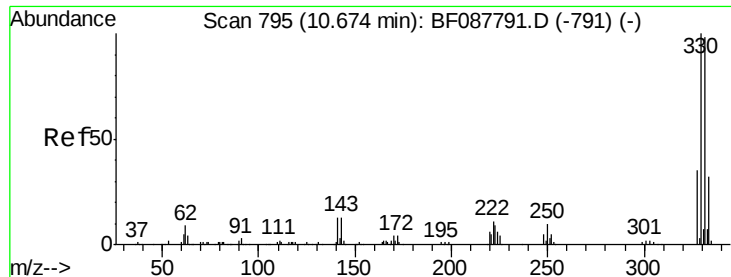


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

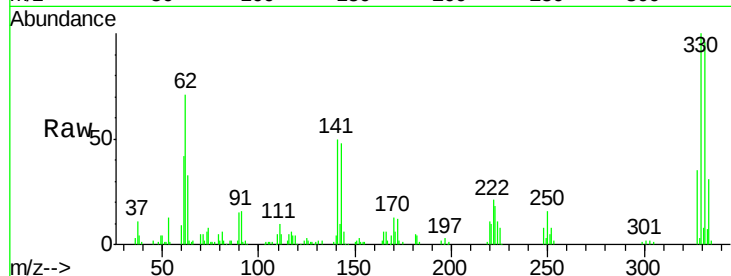




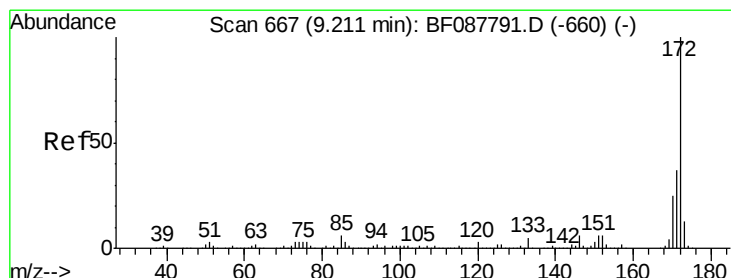
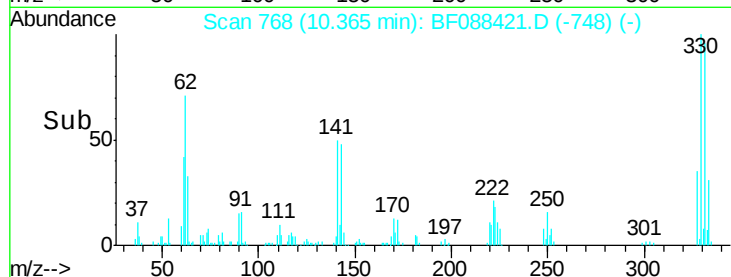
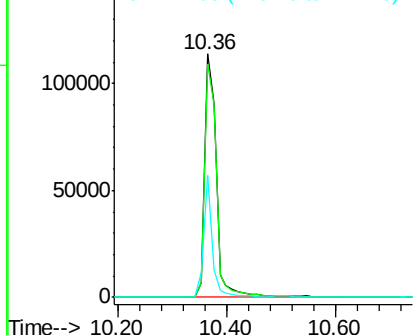
#41
 2,4,6-Tribromophenol
 Concen: 112.90 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.07 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

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Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	36.9	0.0	0.0#

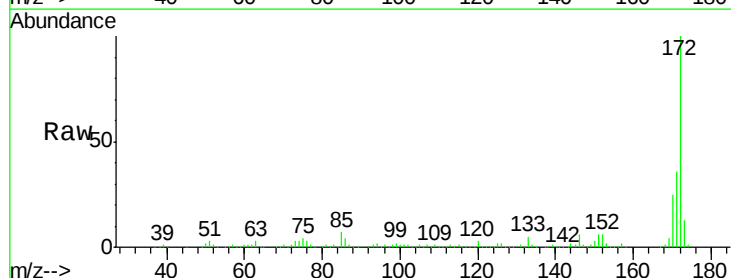


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

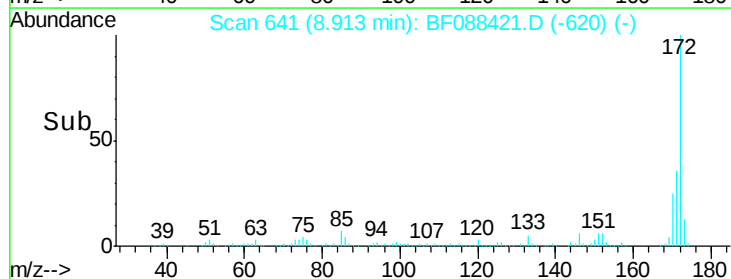
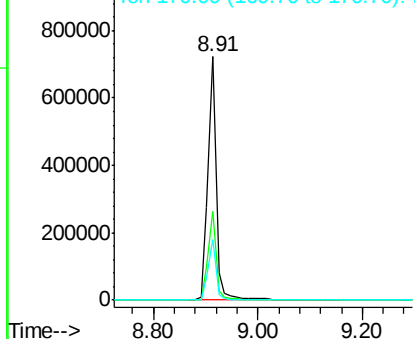


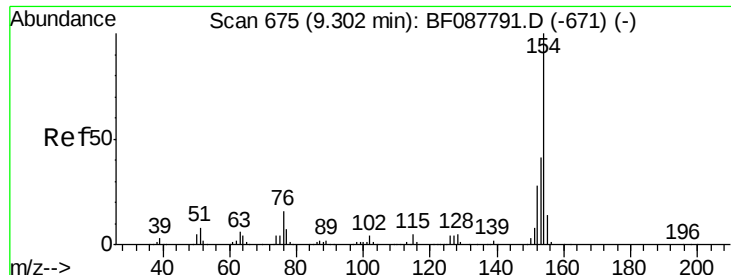
#44
 2-Fluorobiphenyl
 Concen: 89.71 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.06 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.6	19.2	28.8



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

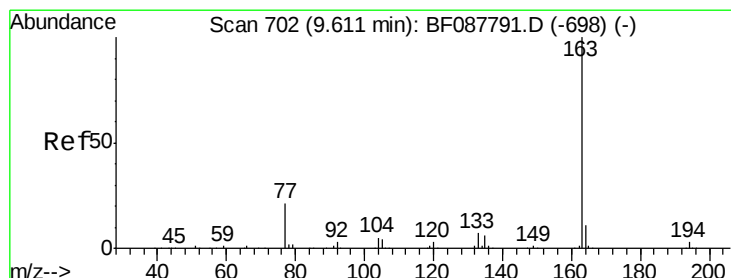
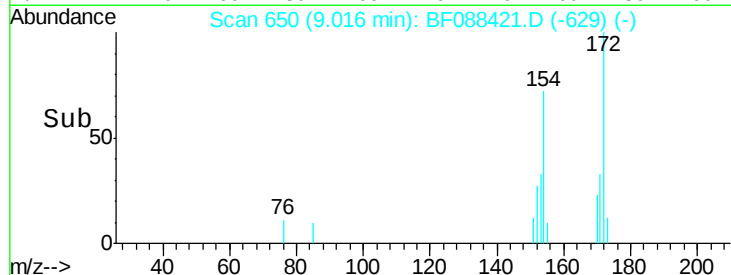
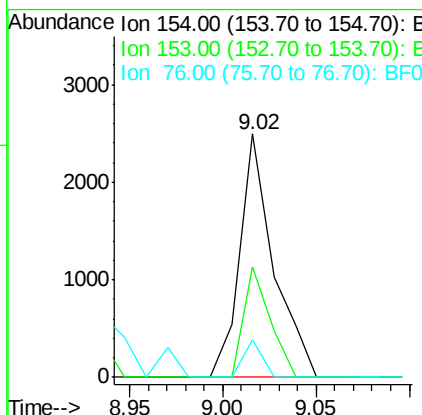
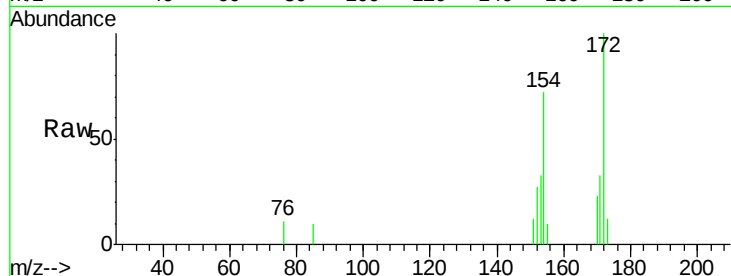




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

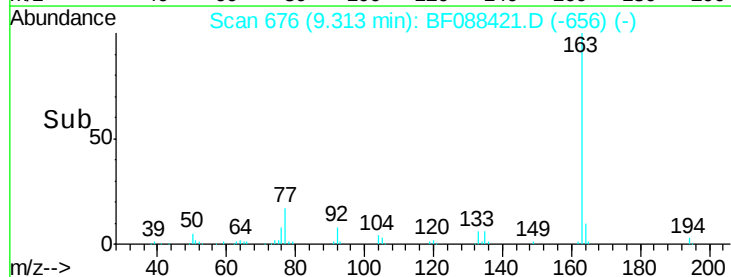
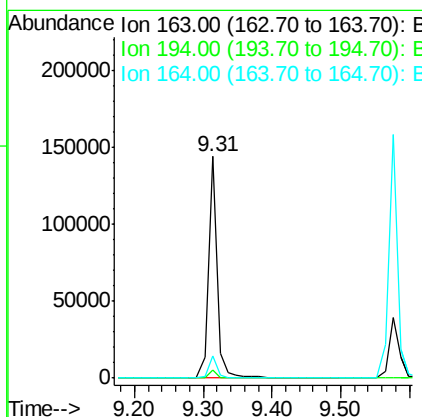
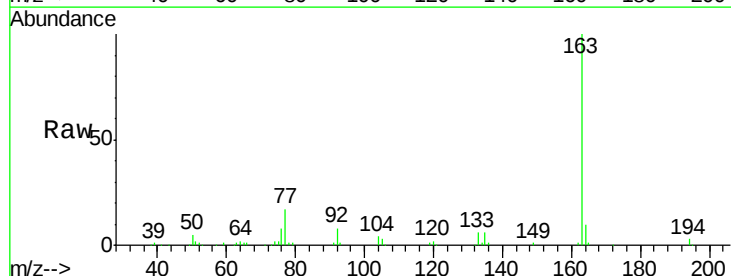
Instrument :
 BNA_F
 ClientSampleId :
 TP-12

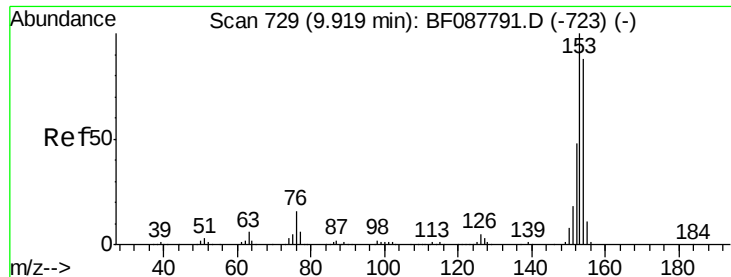
Tot Ion:154 Resp: 3149
 Ion Ratio Lower Upper
 154 100
 153 45.3 20.6 60.6
 76 15.5 0.0 35.1



#49
 Dimethylphthalate
 Concen: 12.30 ng
 RT: 9.31 min Scan# 676
 Delta R.T. -0.07 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Tgt Ion:163 Resp: 126520
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.8 4.2
 164 9.7 8.3 12.5





#51

Acenaphthene

Concen: 4.43 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

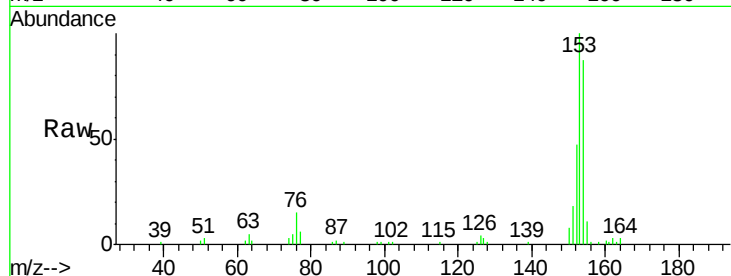
Tot Ion:154 Resp: 40387

Ion Ratio Lower Upper

154 100

153 114.5 89.5 134.3

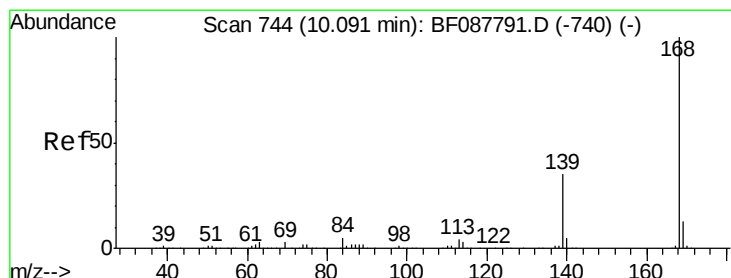
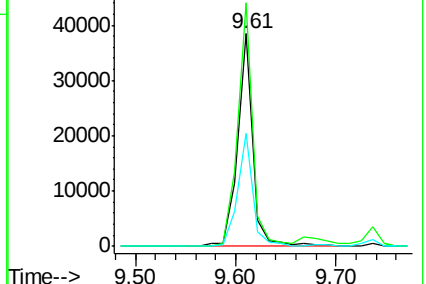
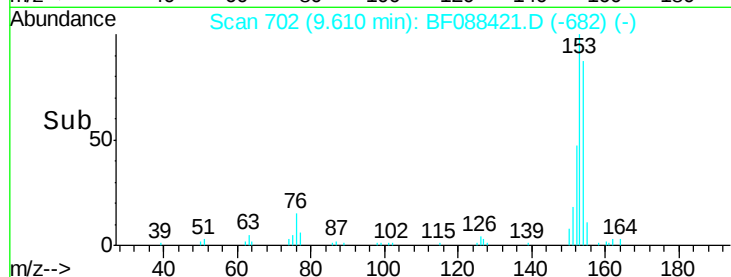
152 53.4 42.7 64.1



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: 2.20 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

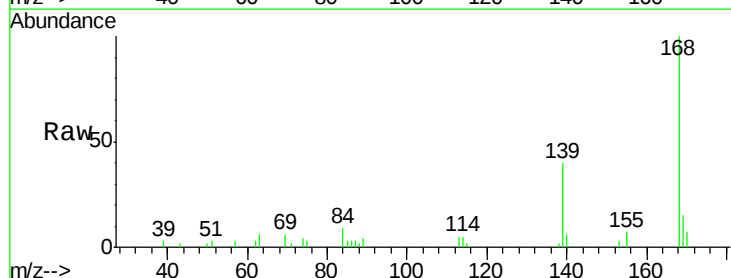
Tgt Ion:168 Resp: 27603

Ion Ratio Lower Upper

168 100

139 39.9 26.4 39.6#

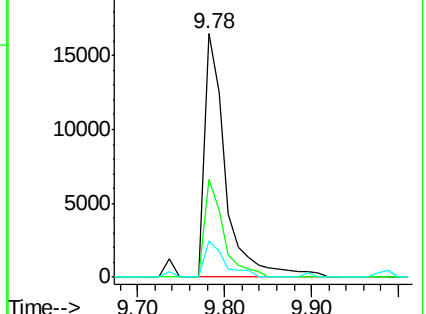
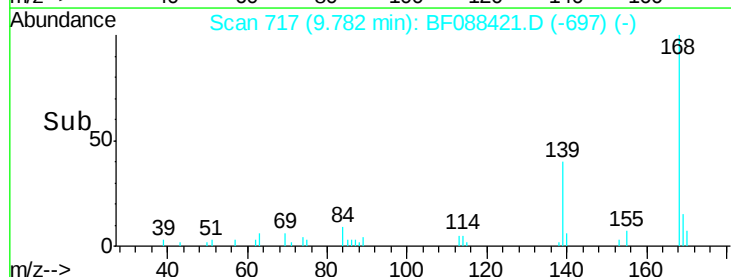
169 14.7 10.4 15.6

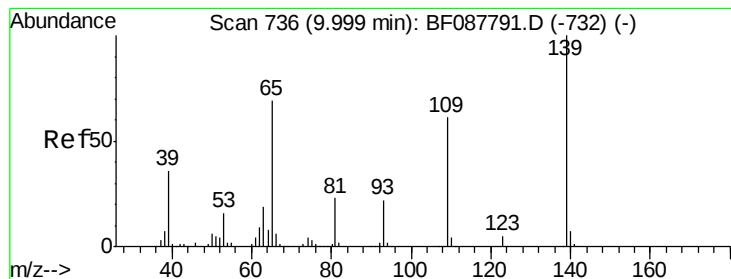


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.64 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

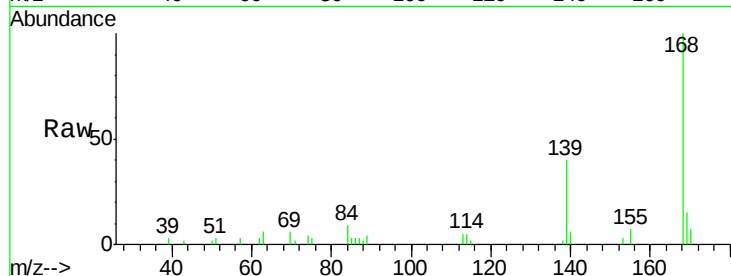
Tot Ion:139 Resp: 9787

Ion Ratio Lower Upper

139 100

109 0.0 48.9 88.9#

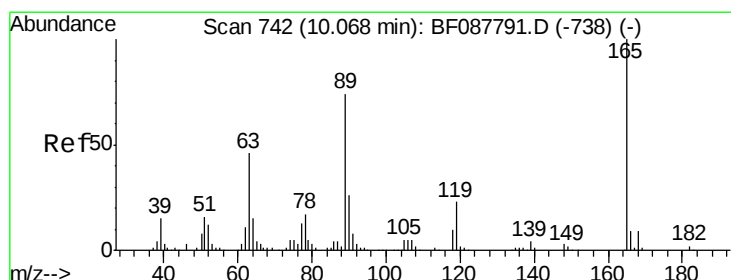
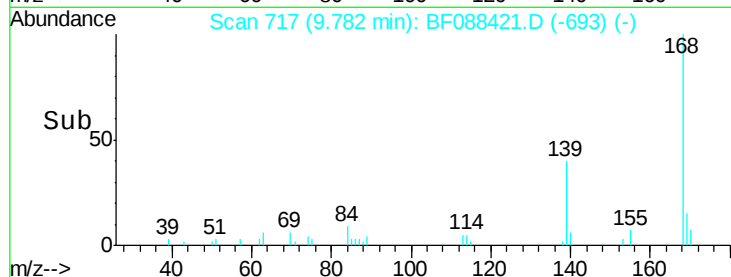
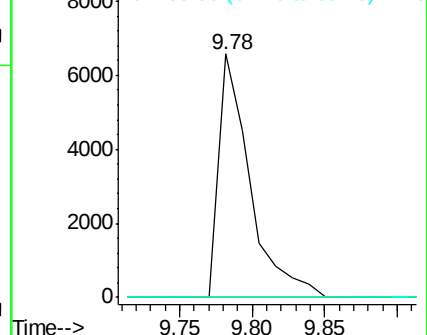
65 0.0 84.9 124.9#



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: 5.80 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.27 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Tgt Ion:165 Resp: 17553

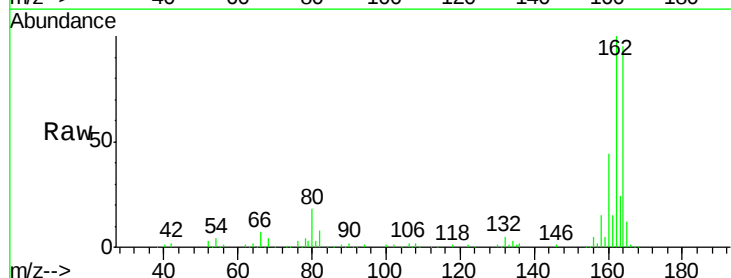
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 1.7 41.1 61.7#

182 0.0 2.0 3.0#

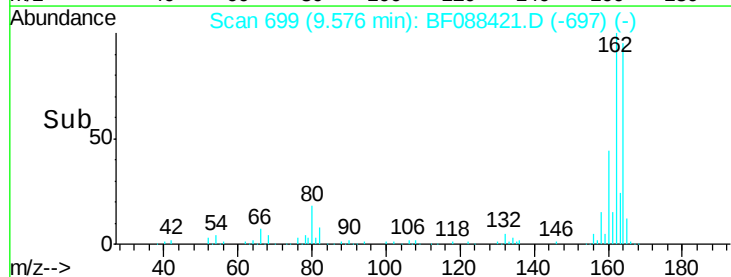
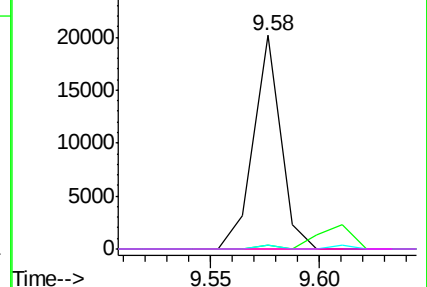


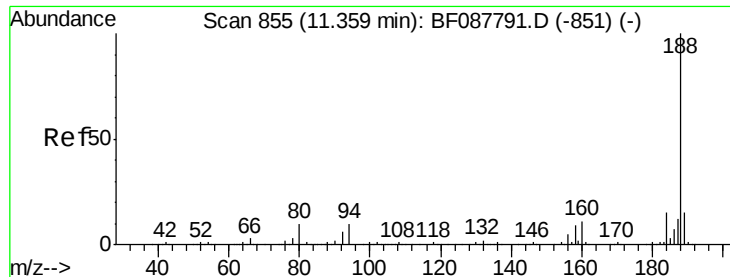
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

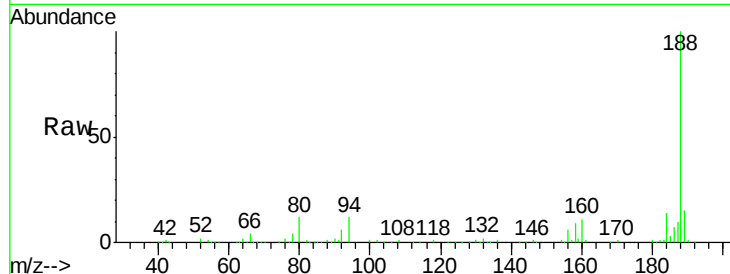




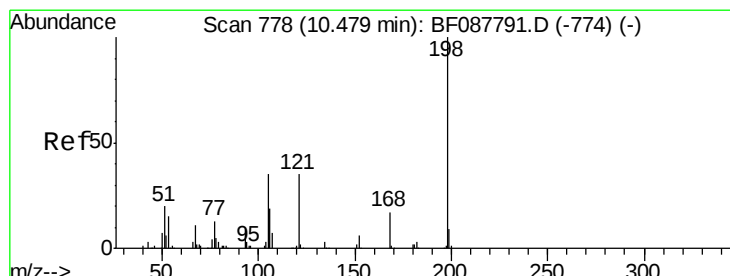
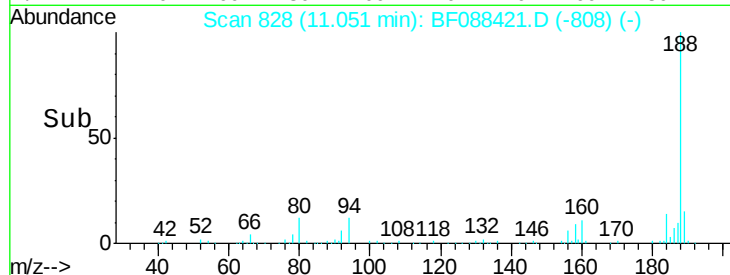
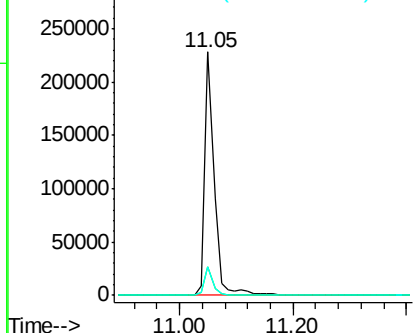
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampleId :
TP-12

Tot Ion:188 Resp: 252508
Ion Ratio Lower Upper
188 100
94 11.6 9.0 13.6
80 11.9 10.0 15.0

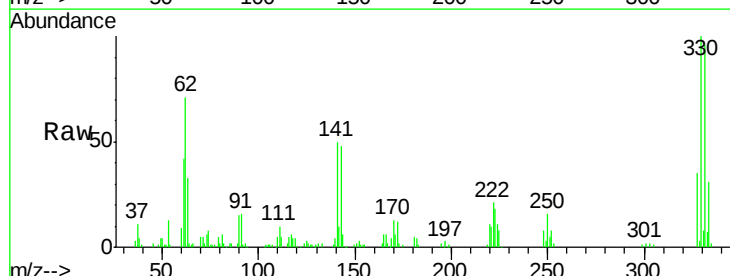


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

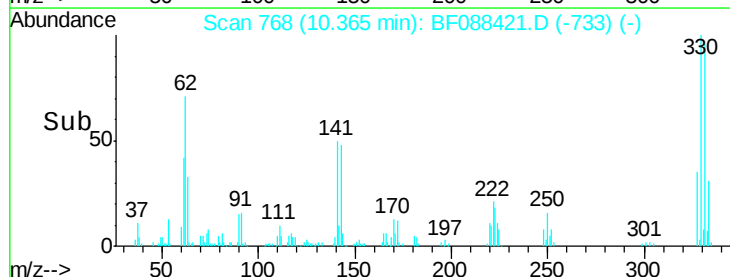
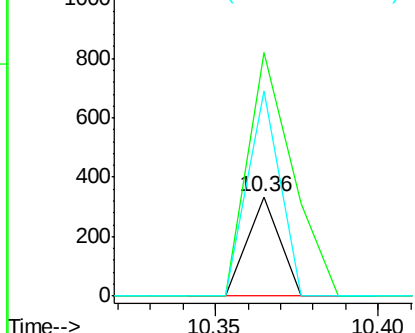


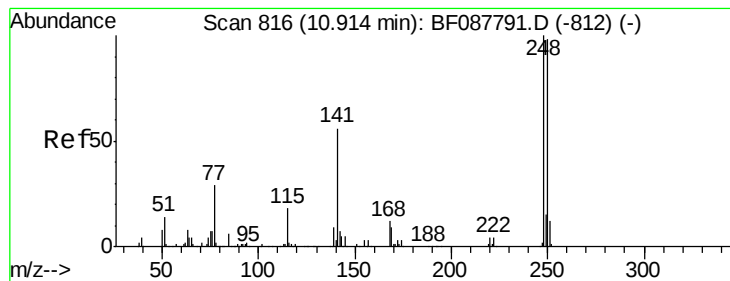
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.36 min Scan# 768
Delta R.T. 0.10 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion:198 Resp: 228
Ion Ratio Lower Upper
198 100
51 246.2 39.6 79.6#
105 206.9 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

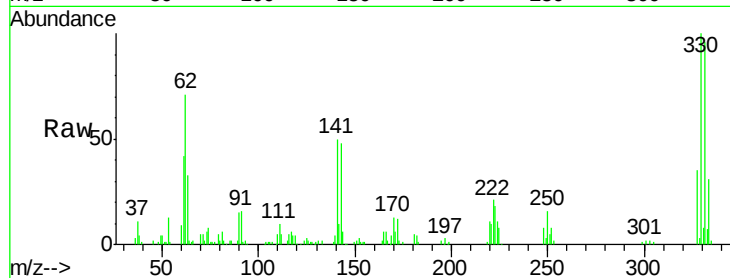




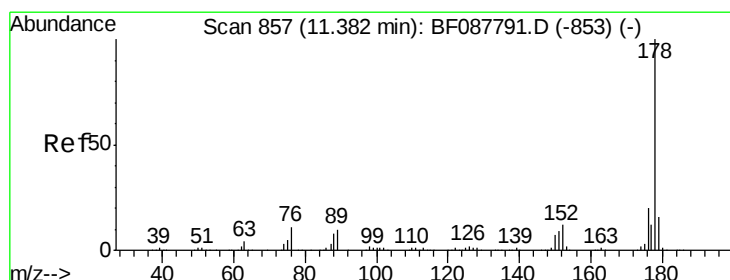
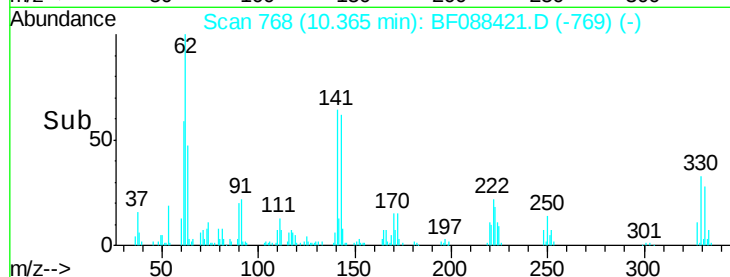
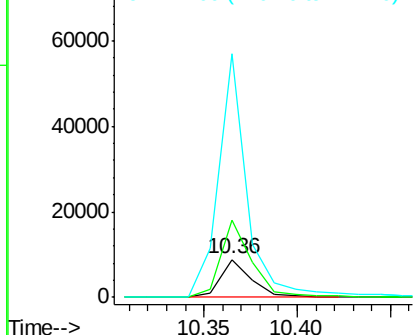
#66
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.31 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Instrument :
BNA_F
ClientSampleId :
TP-12

Tot Ion:248 Resp: 10175
Ion Ratio Lower Upper
248 100
250 201.1 77.1 115.7#
141 638.2 50.6 76.0#

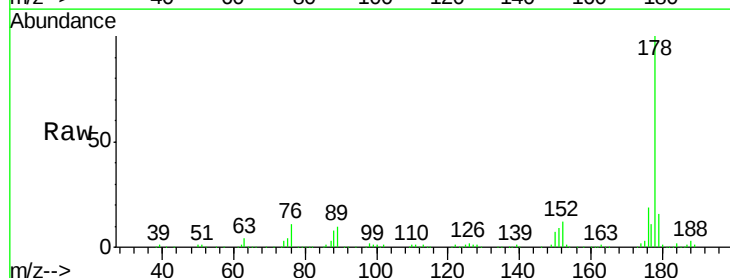


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

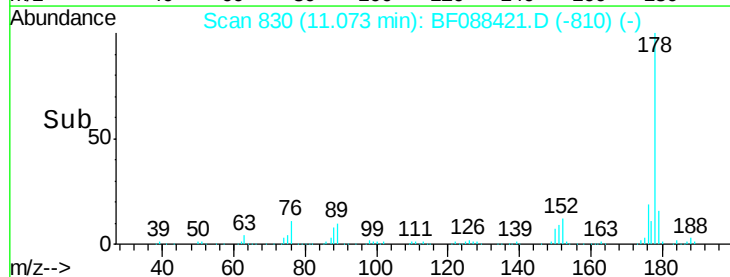
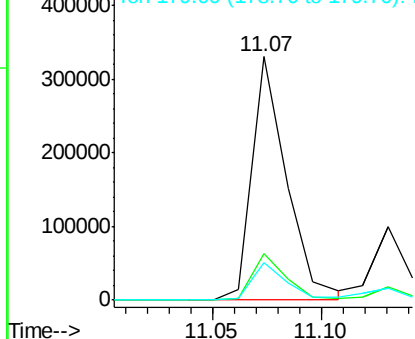


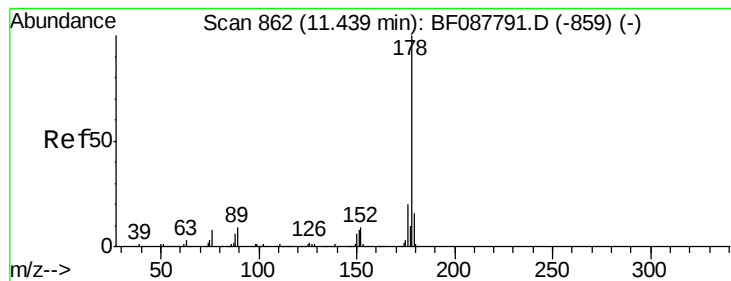
#70
Phenanthrene
Concen: 27.68 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion:178 Resp: 366748
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.6 13.0 19.4



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: 9.48 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

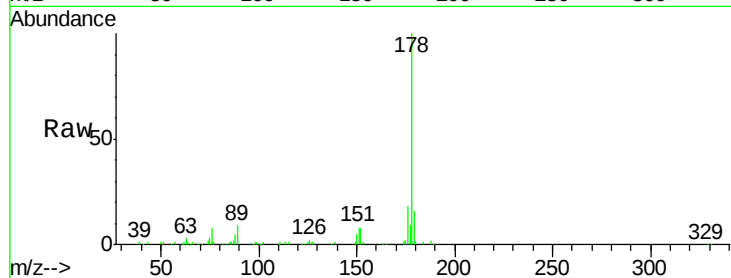
Tot Ion:178 Resp: 126757

Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

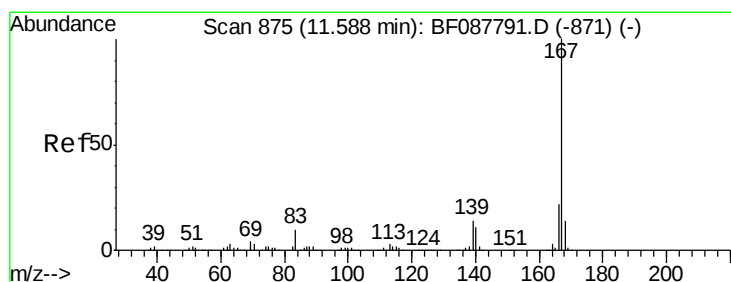
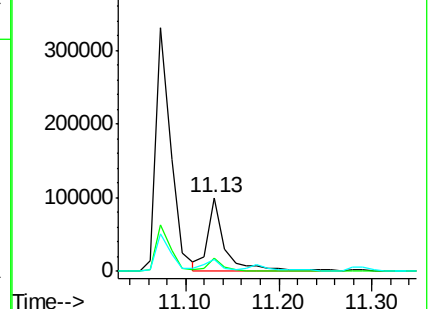
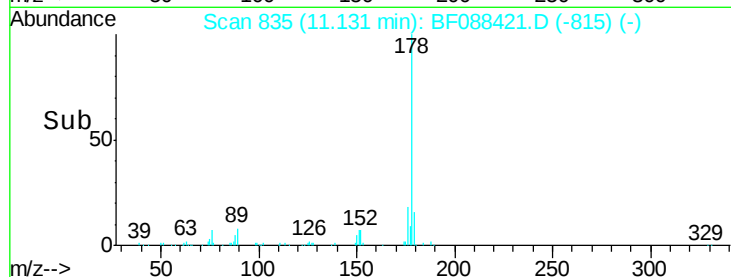
179 16.3 12.8 19.2



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



#72

Carbazole

Concen: 5.04 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.06 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

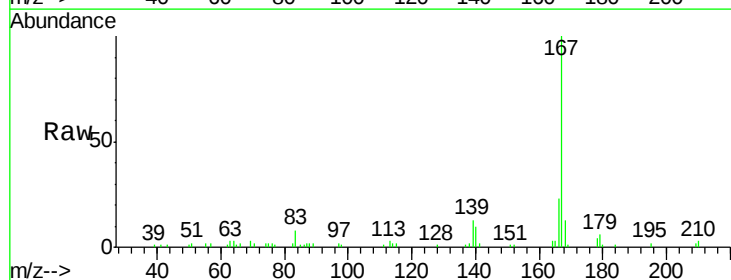
Tgt Ion:167 Resp: 62981

Ion Ratio Lower Upper

167 100

166 22.5 17.8 26.6

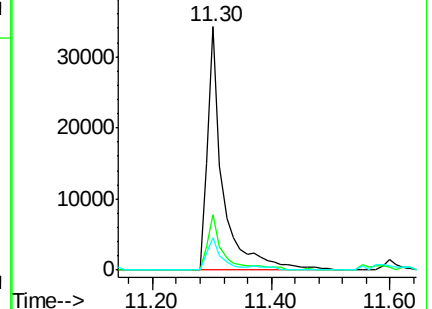
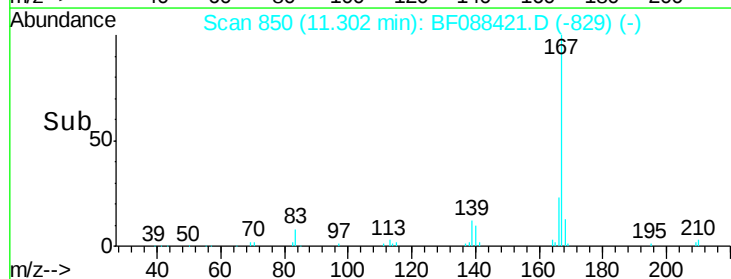
139 13.3 11.2 16.8

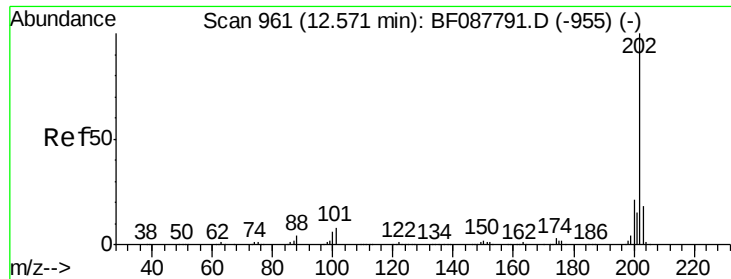


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 42.14 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

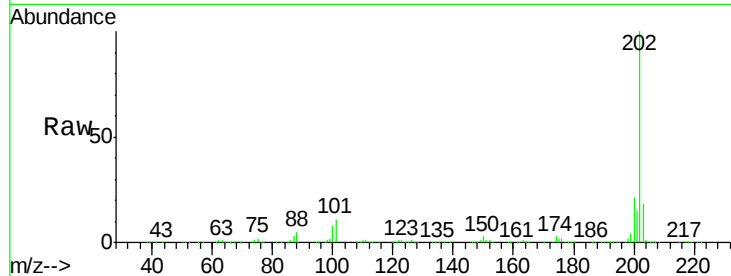
Tot Ion:202 Resp: 589254

Ion Ratio Lower Upper

202 100

101 10.7 0.0 33.1

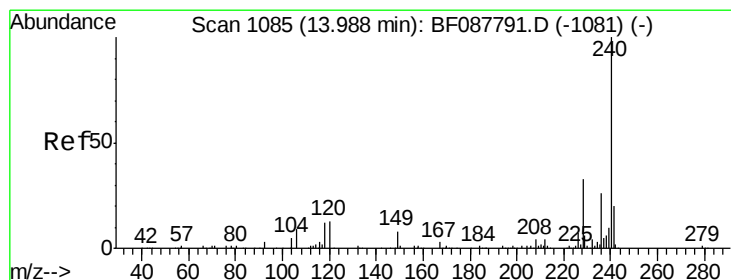
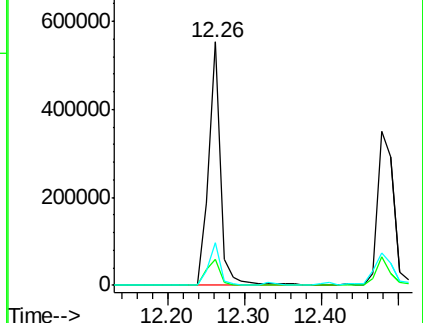
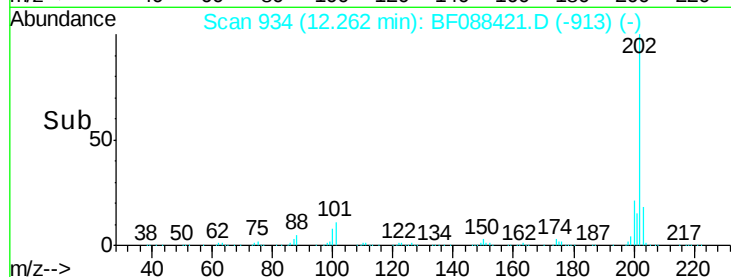
203 17.6 0.0 38.1



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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

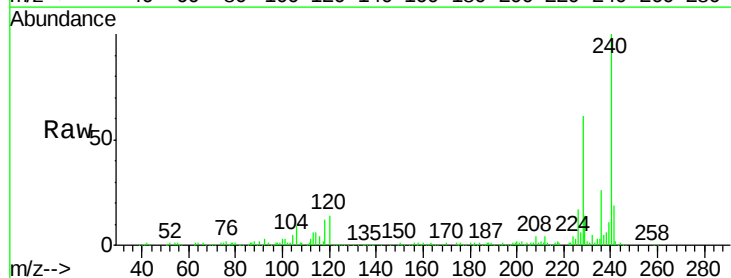
Tgt Ion:240 Resp: 183546

Ion Ratio Lower Upper

240 100

120 13.6 6.8 10.2#

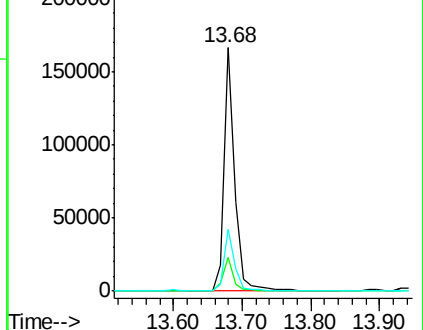
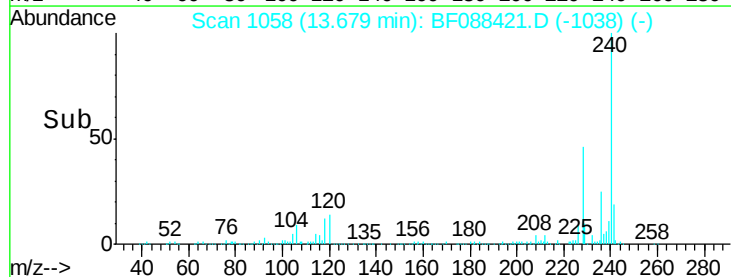
236 25.5 20.2 30.2

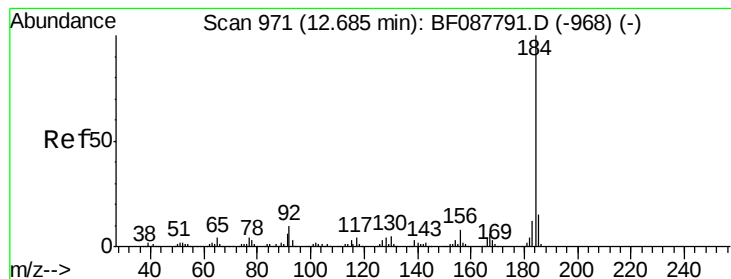


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.01 ng

RT: 12.64 min Scan# 967

Delta R.T. 0.18 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

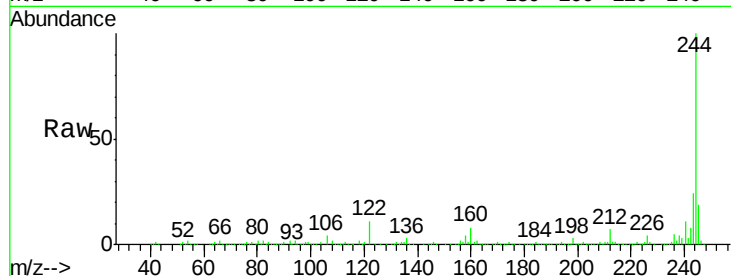
Tot Ion:184 Resp: 10194

Ion Ratio Lower Upper

184 100

185 18.6 12.5 18.7

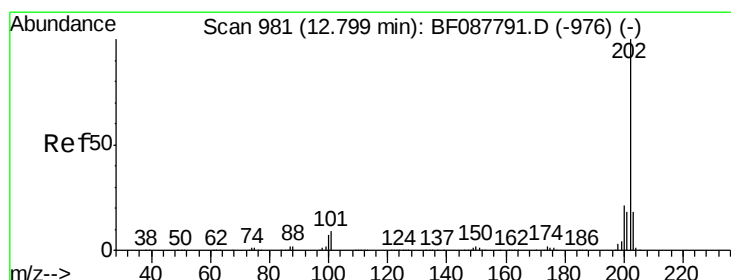
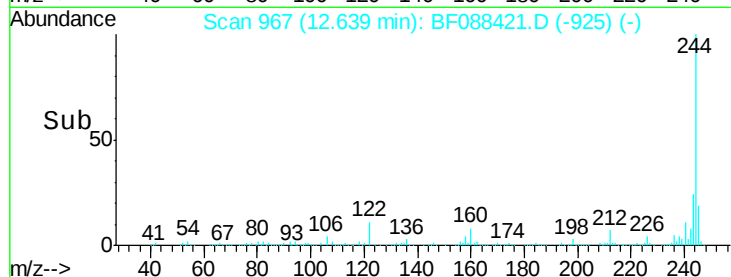
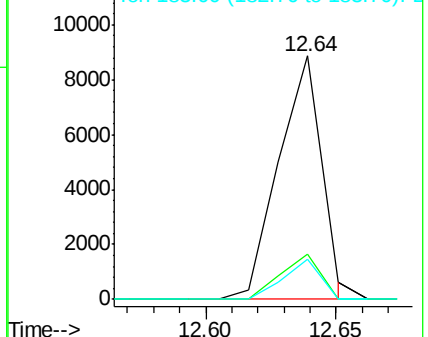
183 16.5 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 36.81 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

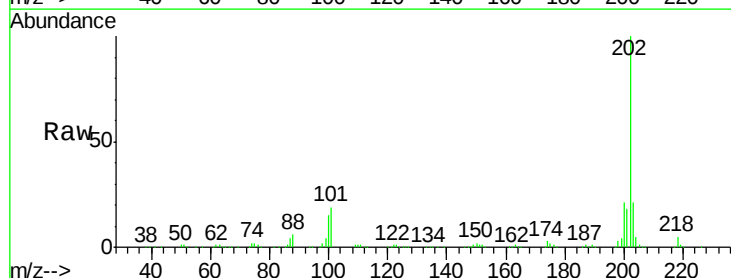
Tgt Ion:202 Resp: 501301

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

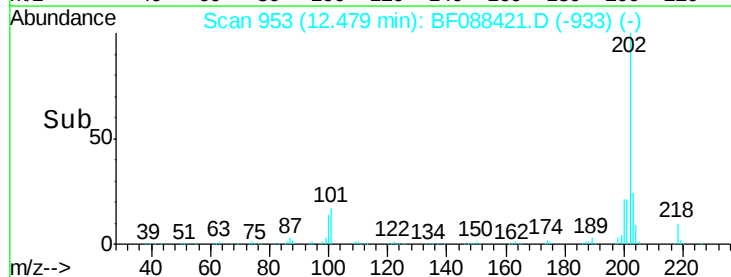
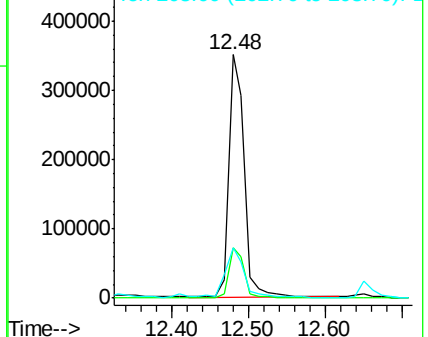
203 20.8 14.5 21.7

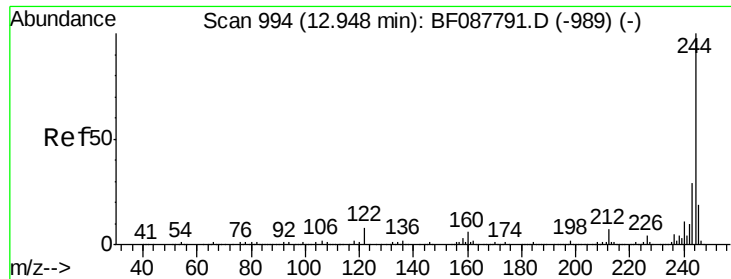


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

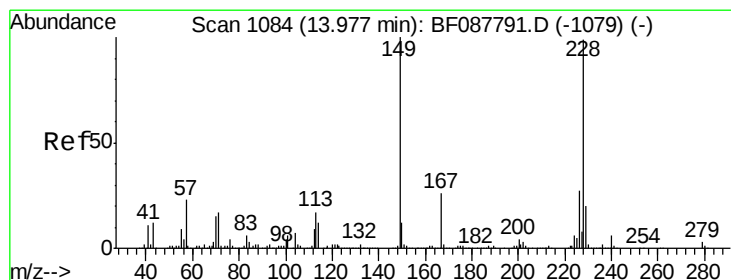
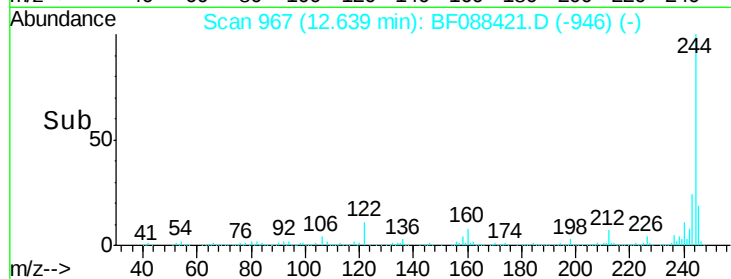
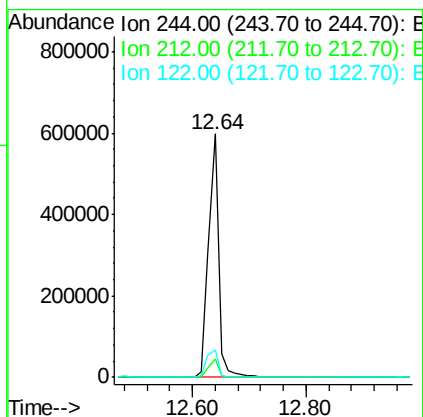
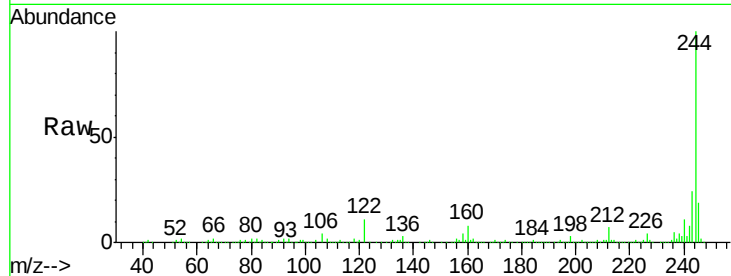




#78
 Terphenyl-d14
 Concen: 87.63 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.06 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

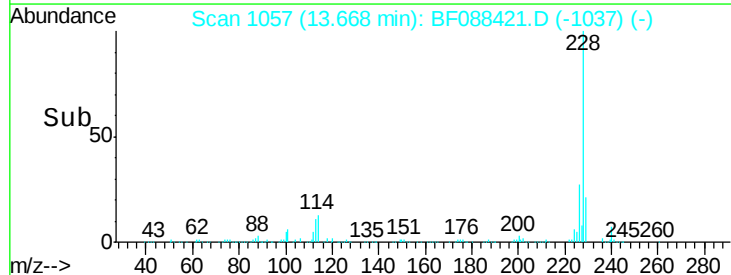
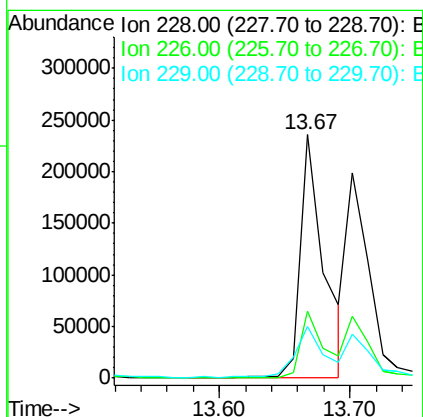
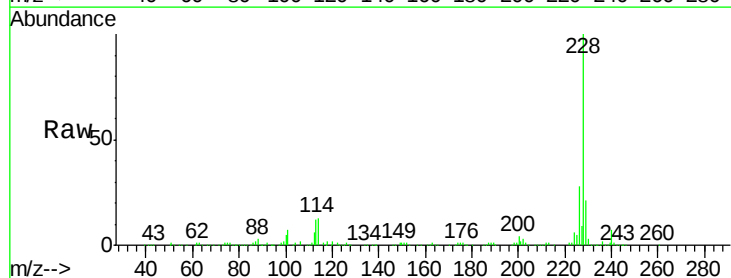
Instrument :
 BNA_F
 ClientSampleId :
 TP-12

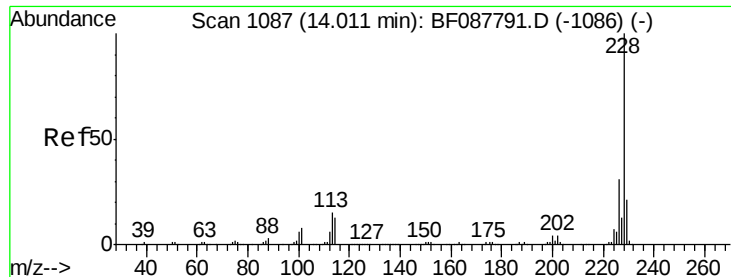
Tot Ion:244 Resp: 706863
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 11.0 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 28.17 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.07 min
 Lab File: BF088421.D
 Acq: 26 Jun 2016 16:32

Tgt Ion:228 Resp: 294645
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.3 33.5
 229 21.4 16.0 24.0





#82

Chrysene

Concen: 24.77 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.07 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

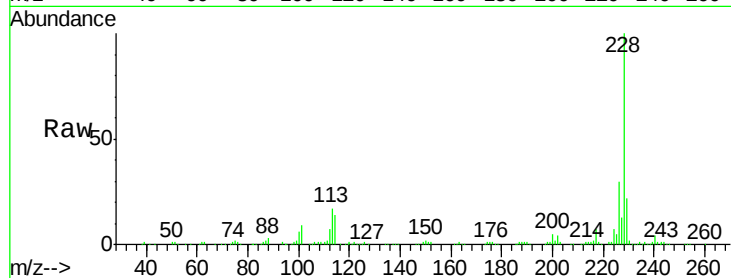
Tot Ion:228 Resp: 243762

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.2

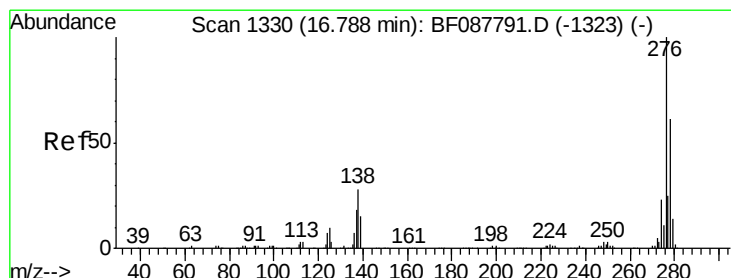
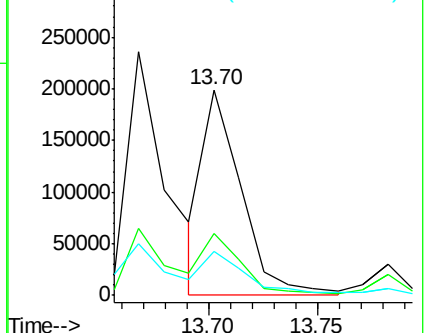
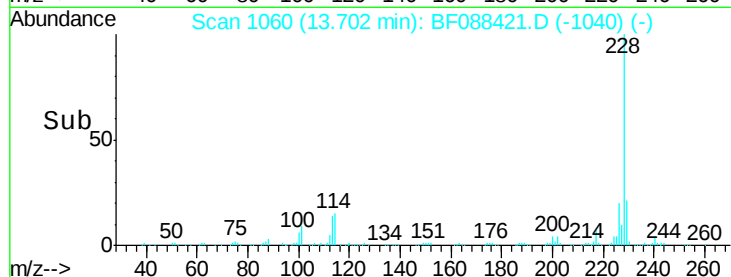
229 21.6 16.3 24.5



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: 21.56 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.10 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

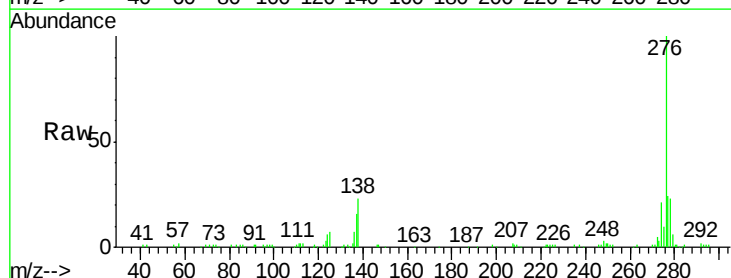
Tgt Ion:276 Resp: 197102

Ion Ratio Lower Upper

276 100

138 26.1 0.0 0.0#

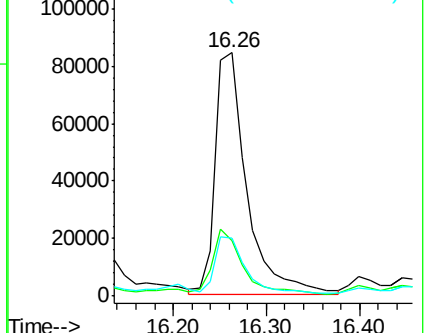
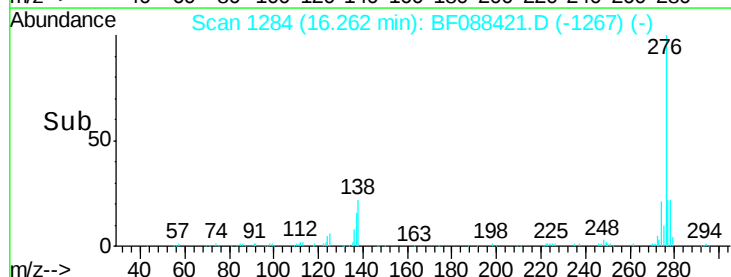
277 22.5 0.0 0.0#

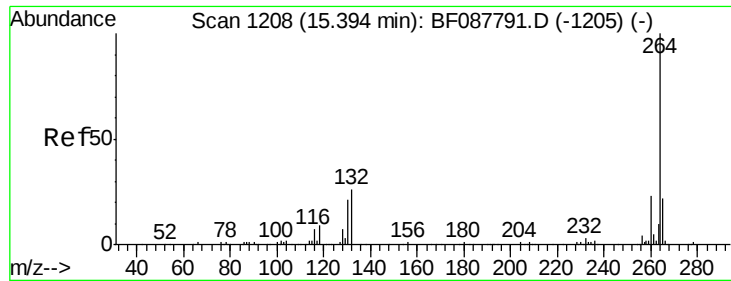


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

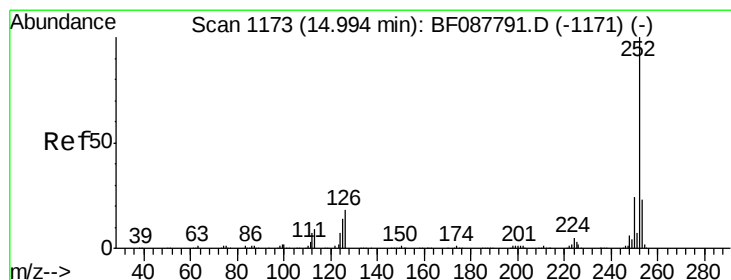
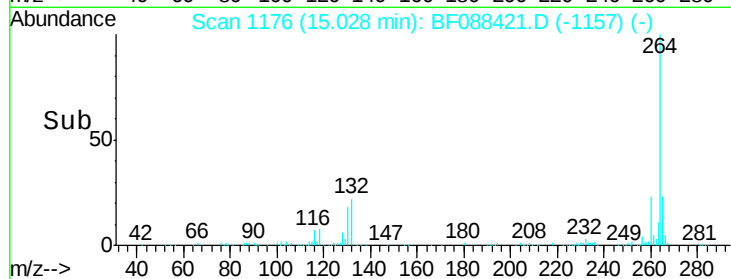
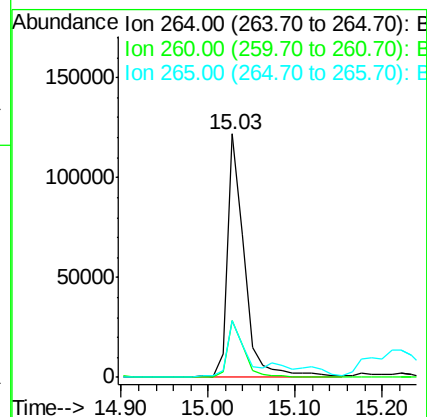
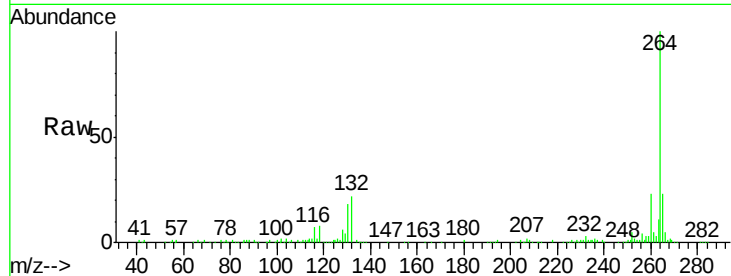




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

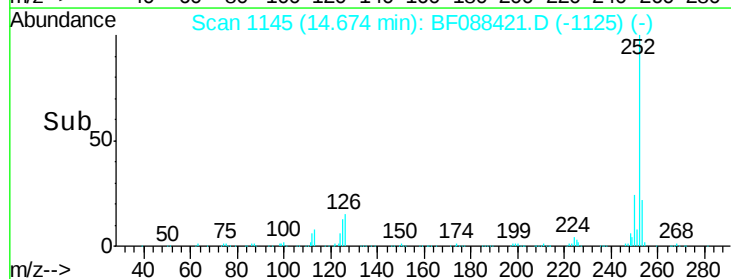
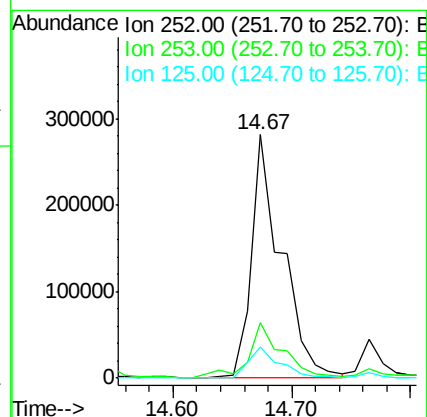
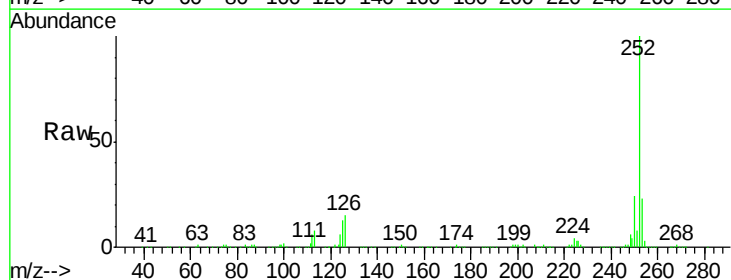
Instrument :
BNA_F
ClientSampleId :
TP-12

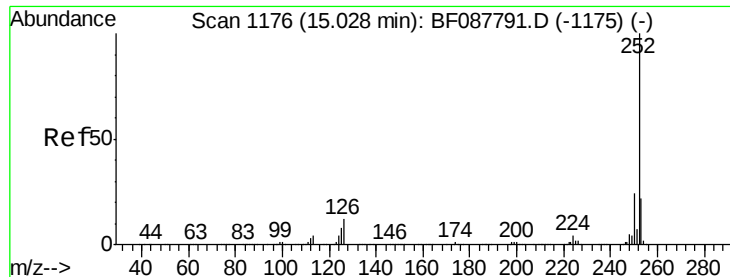
Tot Ion:264 Resp: 167042
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 23.2 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 42.33 ng
RT: 14.67 min Scan# 1145
Delta R.T. -0.07 min
Lab File: BF088421.D
Acq: 26 Jun 2016 16:32

Tgt Ion:252 Resp: 492885
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 12.8 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 56.12 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.09 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampleId :

TP-12

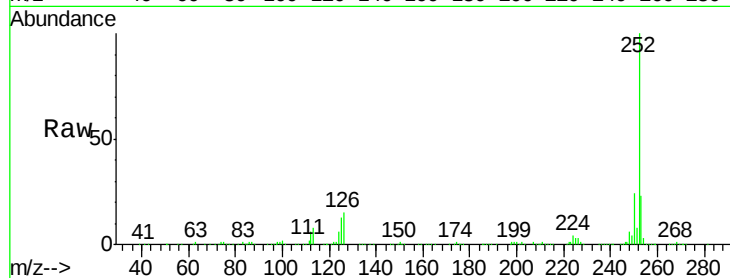
Tot Ion:252 Resp: 492885

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

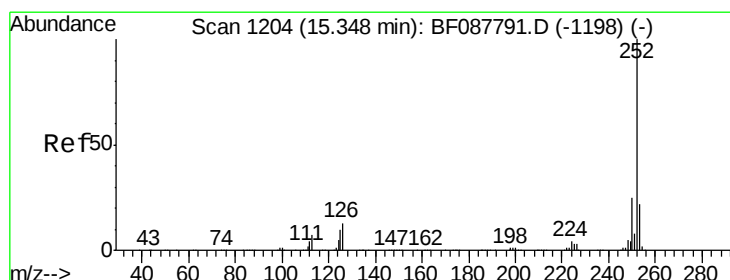
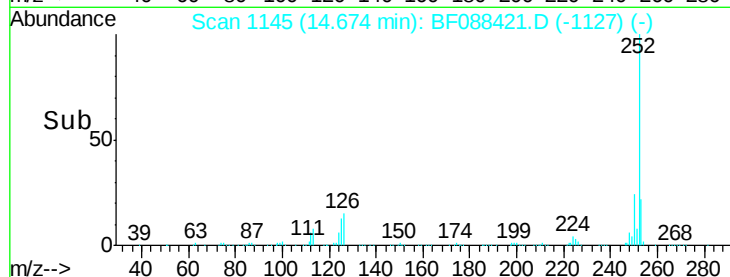
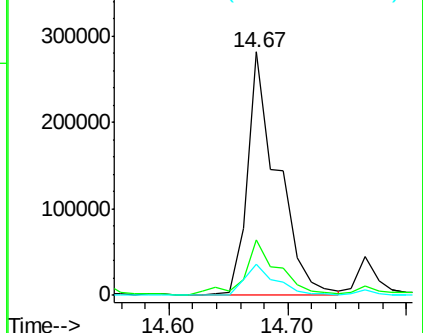
125 12.8 11.2 16.8



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: 20.40 ng

RT: 14.93 min Scan# 1167

Delta R.T. -0.13 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

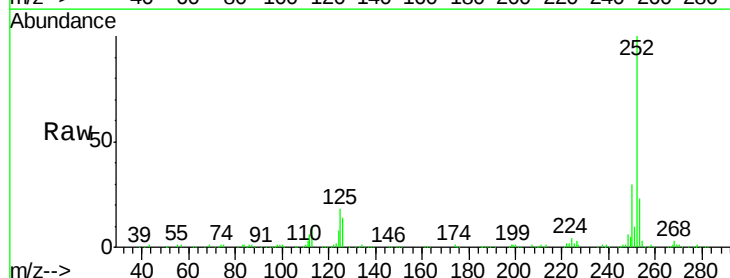
Tgt Ion:252 Resp: 192135

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

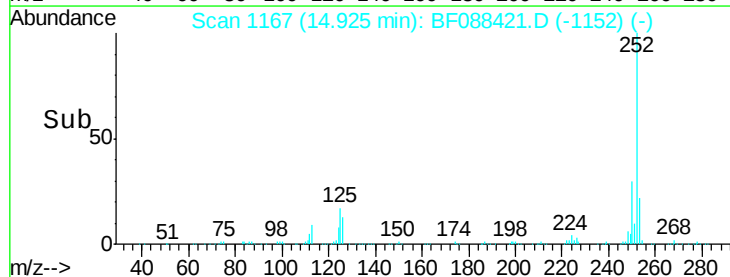
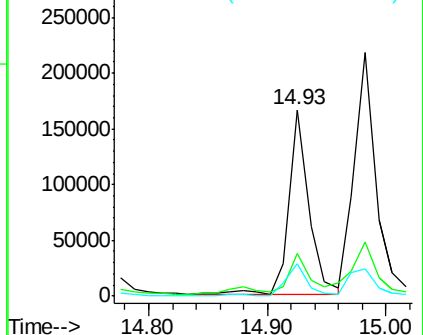
125 17.7 12.5 18.7

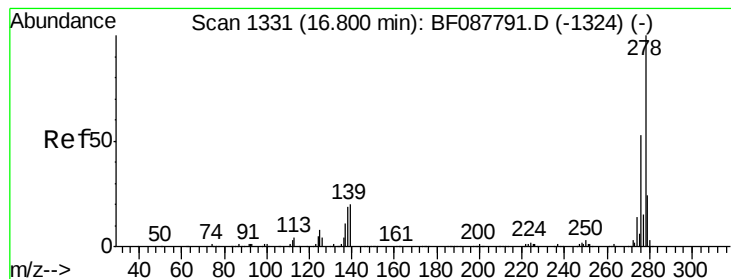


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.94 ng

RT: 16.40 min Scan# 1296

Delta R.T. 0.03 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

Instrument :

BNA_F

ClientSampled :

TP-12

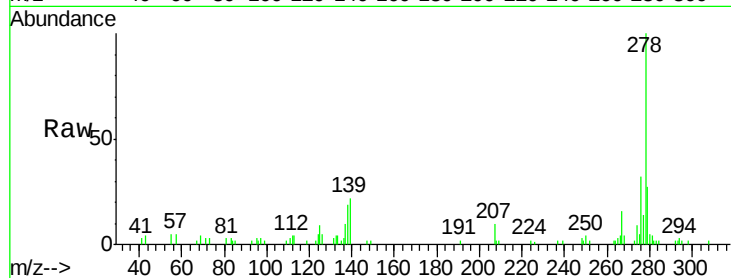
Tot Ion:278 Resp: 34463

Ion Ratio Lower Upper

278 100

139 21.7 15.7 23.5

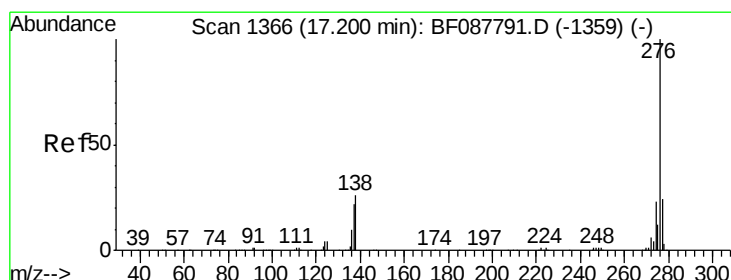
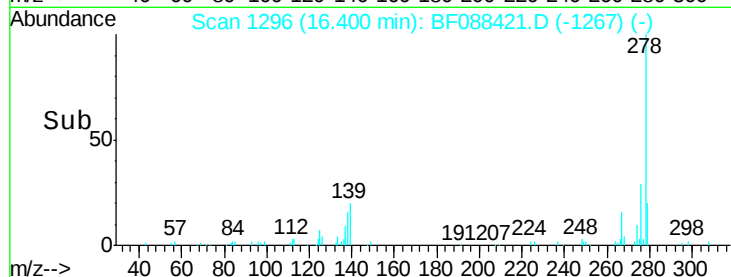
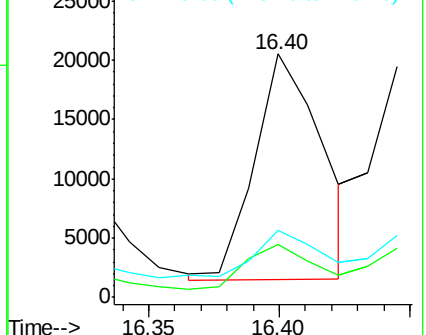
279 27.5 19.4 29.2



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: 23.51 ng

RT: 16.62 min Scan# 1315

Delta R.T. -0.13 min

Lab File: BF088421.D

Acq: 26 Jun 2016 16:32

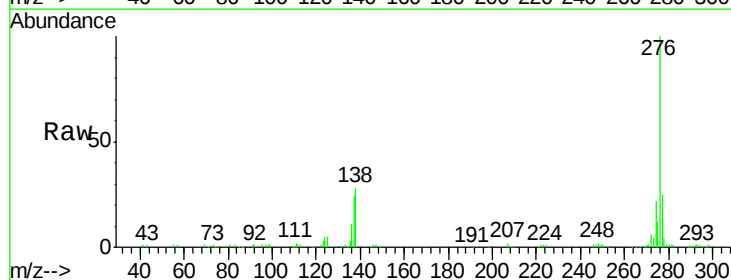
Tgt Ion:276 Resp: 211599

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 27.8 21.4 32.2



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

