

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086112.D
 Acq On : 6 Apr 2016 21:58
 Operator : UM/SJ
 Sample : H2074-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB02

Quant Time: Apr 07 01:14:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	110832	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	404819	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	166972	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	250014	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	213633	20.00	ng	-0.02
86) Perylene-d12	15.30	264	184179	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	757601	116.84	ng	-0.02
7) Phenol-d6	6.40	99	977272	118.66	ng	-0.02
23) Nitrobenzene-d5	7.31	82	508957	74.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	138075	88.10	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	759932	75.67	ng	-0.03
78) Terphenyl-d14	12.84	244	527302	58.02	ng	-0.03

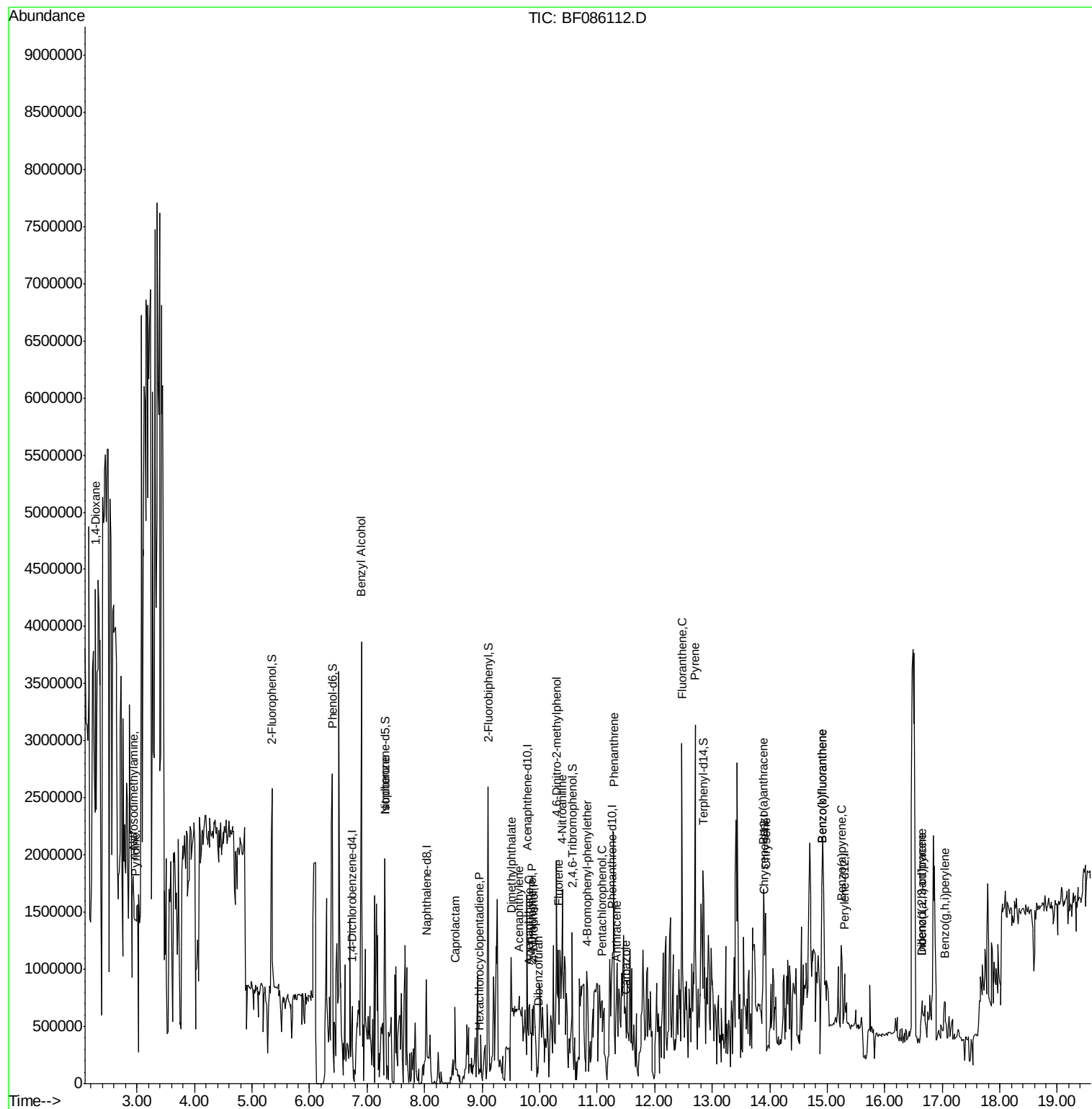
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.28	88	14471	4.71	ng	# 1
3) Pyridine	2.97	79	22710	3.30	ng	# 80
4) n-Nitrosodimethylamine	2.94	42	26089	8.62	ng	# 37
15) Benzyl Alcohol	6.90	79	18461	3.46	ng	# 51
25) Isophorone	7.31	82	459987	33.95	ng	# 68
35) Caprolactam	8.53	113	6162	3.56	ng	# 1
40) Hexachlorocyclopentadiene	8.94	237	331	5.63	ng	# 1
48) Acenaphthylene	9.64	152	44792	2.68	ng	98
49) Dimethylphthalate	9.50	163	177604	14.35	ng	99
51) Acenaphthene	9.81	154	74042	7.45	ng	99
53) 2,4-Dinitrophenol	9.87	184	4343	6.49	ng	# 63
54) Dibenzofuran	9.98	168	41528	3.16	ng	# 92
55) 4-Nitrophenol	9.89	139	5495	2.95	ng	# 54
57) Fluorene	10.33	166	68825	6.14	ng	97
61) 4-Nitroaniline	10.40	138	8957	2.88	ng	84
64) 4,6-Dinitro-2-methylphenol	10.29	198	5829	3.85	ng	84
66) 4-Bromophenyl-phenylether	10.83	248	6035	2.36	ng	# 42
69) Pentachlorophenol	11.08	266	3263	2.64	ng	# 81
70) Phenanthrene	11.29	178	663848	48.67	ng	100
71) Anthracene	11.33	178	195015	13.65	ng	99
72) Carbazole	11.50	167	50467	4.11	ng	99
74) Fluoranthene	12.48	202	929415	65.51	ng	97
77) Pyrene	12.70	202	910312	60.47	ng	99
80) Benzo(a)anthracene	13.89	228	638573	50.71	ng	98
82) Chrysene	13.93	228	339593	28.00	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	191193	19.43	ng	95
87) Benzo(b)fluoranthene	14.91	252	761451	65.72	ng	98
88) Benzo(k)fluoranthene	14.91	252	761451	74.22	ng	# 95
89) Benzo(a)pyrene	15.24	252	392519	38.24	ng	# 94
90) Dibenzo(a,h)anthracene	16.65	278	47890	5.80	ng	# 76
91) Benzo(g,h,i)perylene	17.05	276	171245	21.42	ng	99

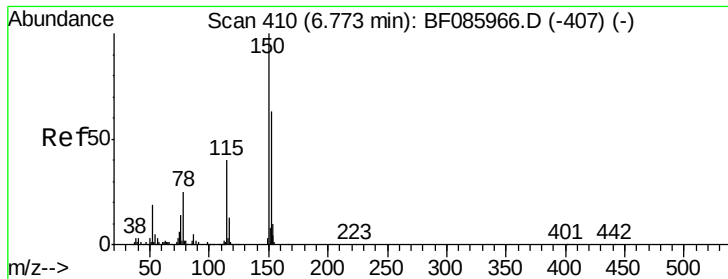
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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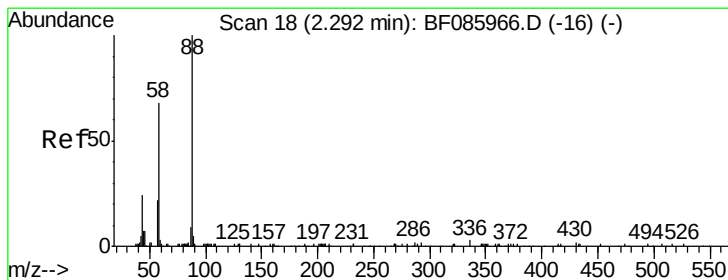
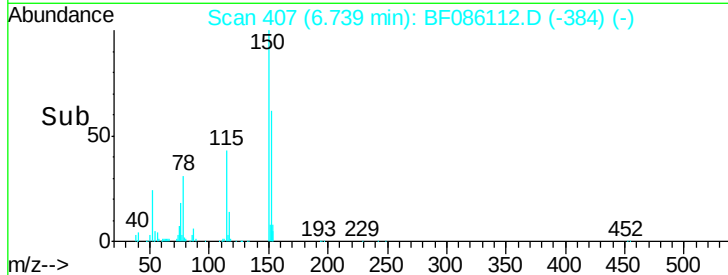
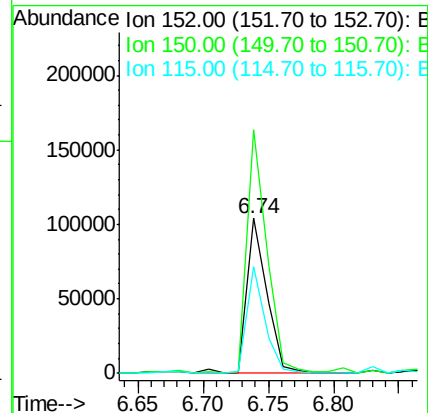
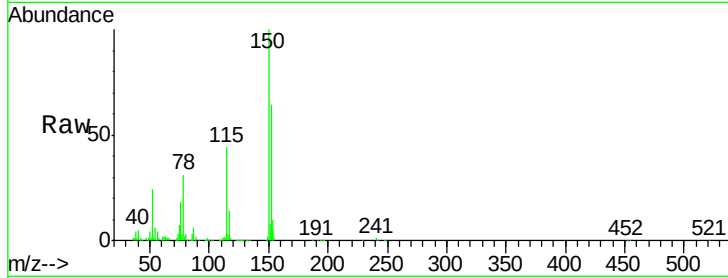


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Instrument :
BNA_F
ClientSampleId :
SB02

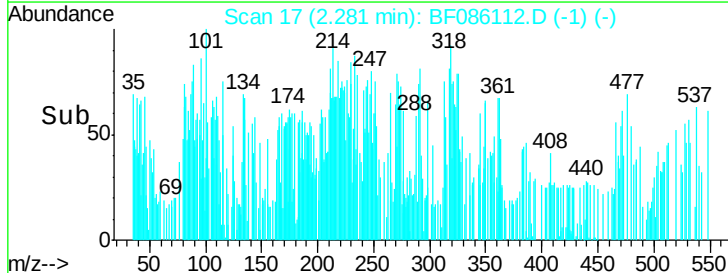
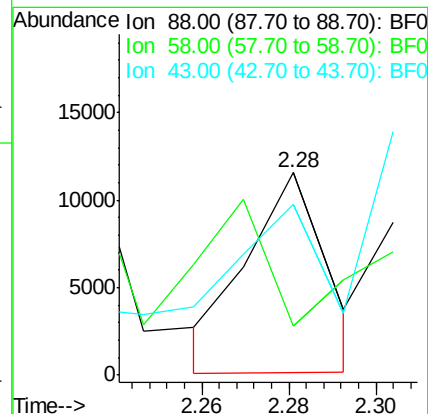
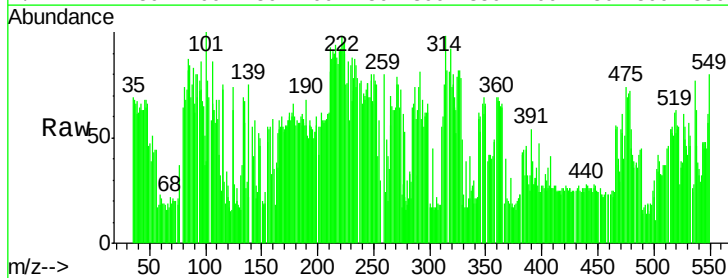
Tgt Ion:152 Resp: 110832
Ion Ratio Lower Upper
152 100
150 157.3 124.2 186.2
115 68.9 47.0 70.6

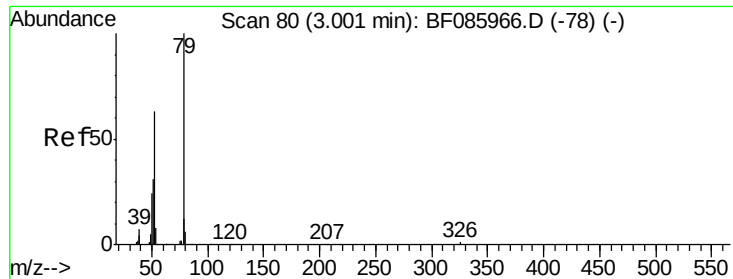


#2

1,4-Dioxane
Concen: 4.71 ng
RT: 2.28 min Scan# 17
Delta R.T. -0.01 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Tgt Ion: 88 Resp: 14471
Ion Ratio Lower Upper
88 100
58 0.0 54.2 81.2#
43 106.9 19.3 28.9#





#3

Pyridine

Concen: 3.30 ng

RT: 2.97 min Scan# 77

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

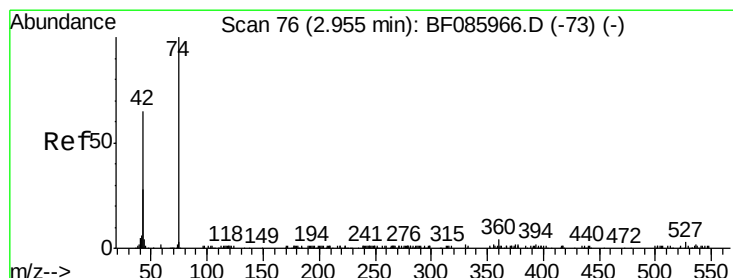
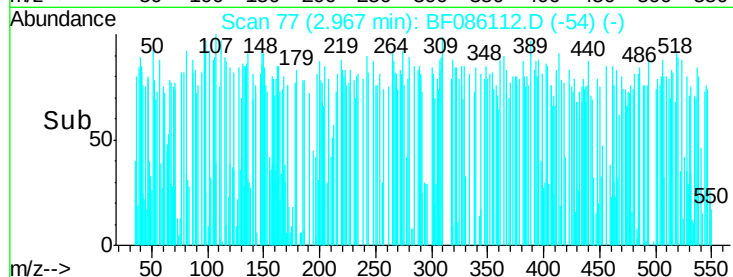
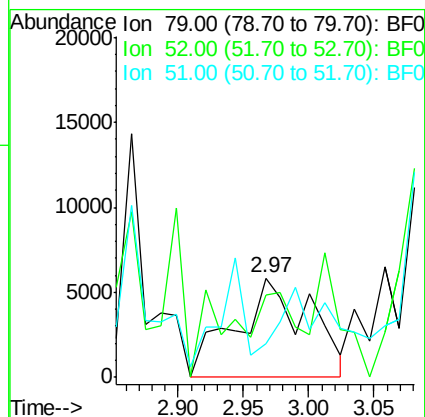
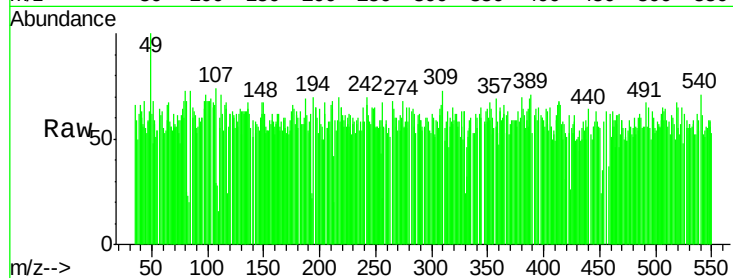
Tgt Ion: 79 Resp: 22710

Ion Ratio Lower Upper

79 100

52 82.8 49.8 74.6#

51 34.2 24.7 37.1



#4

n-Nitrosodimethylamine

Concen: 8.62 ng

RT: 2.94 min Scan# 75

Delta R.T. -0.01 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

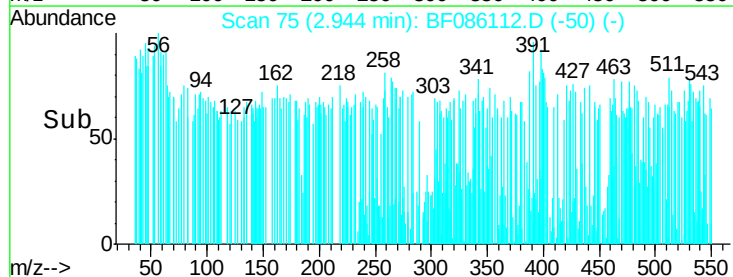
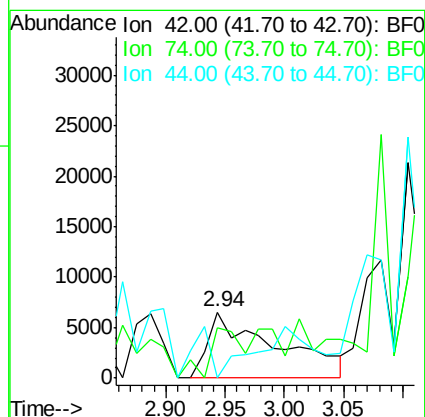
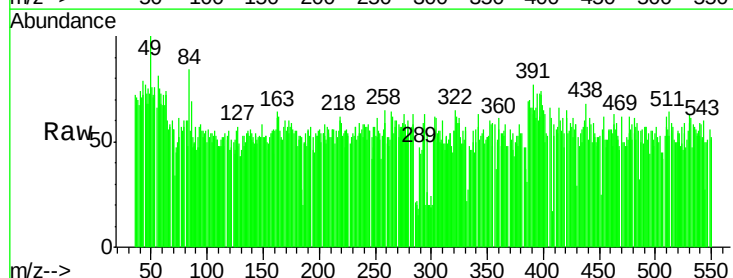
Tgt Ion: 42 Resp: 26089

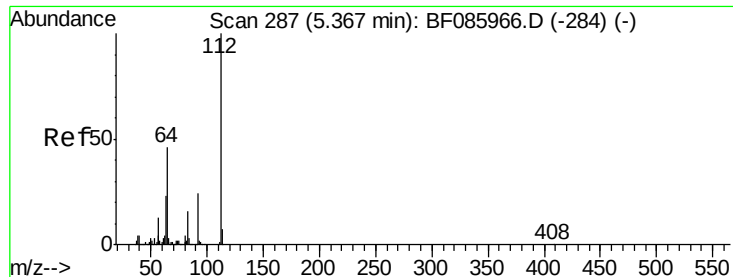
Ion Ratio Lower Upper

42 100

74 75.6 121.4 182.2#

44 56.2 5.6 8.4#





#5

2-Fluorophenol

Concen: 116.84 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

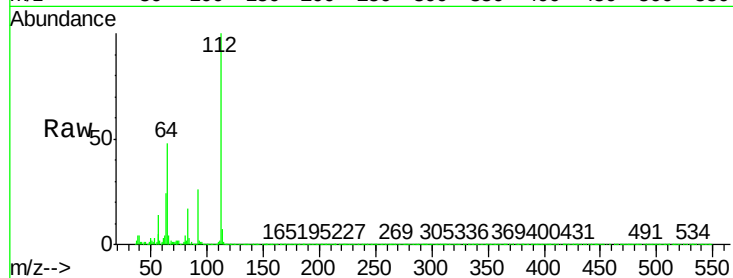
Tgt Ion: 112 Resp: 757601

Ion Ratio Lower Upper

112 100

64 47.9 39.9 59.9

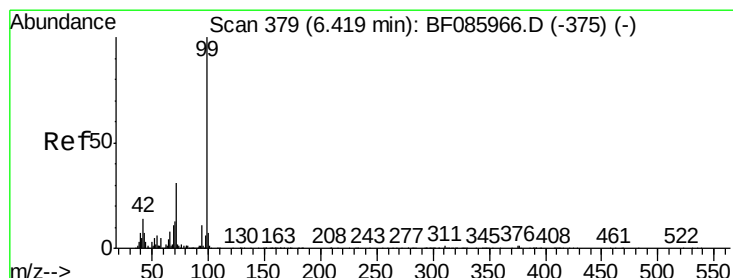
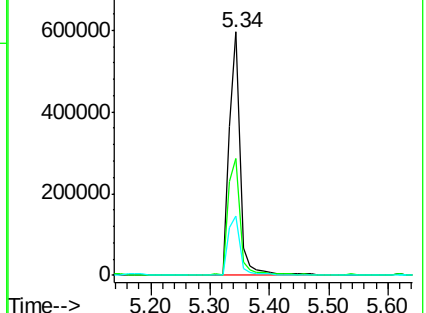
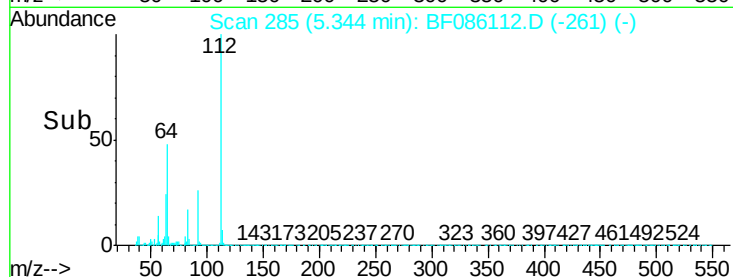
63 24.3 20.2 30.2



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: 118.66 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

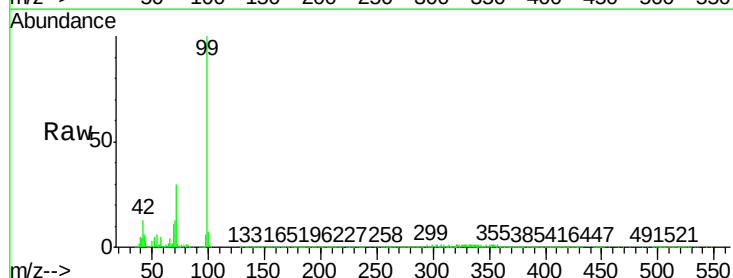
Tgt Ion: 99 Resp: 977272

Ion Ratio Lower Upper

99 100

42 12.7 11.1 16.7

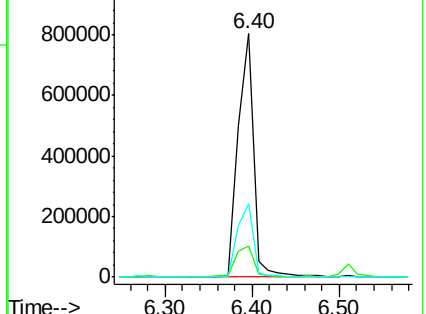
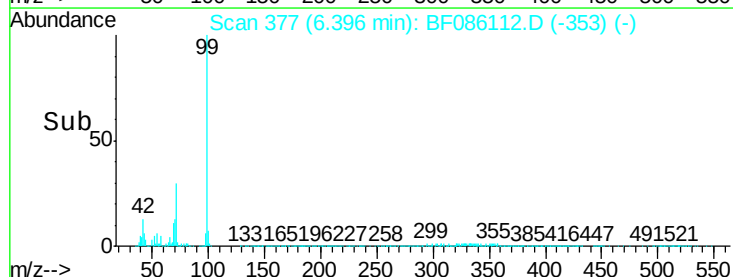
71 30.1 24.9 37.3

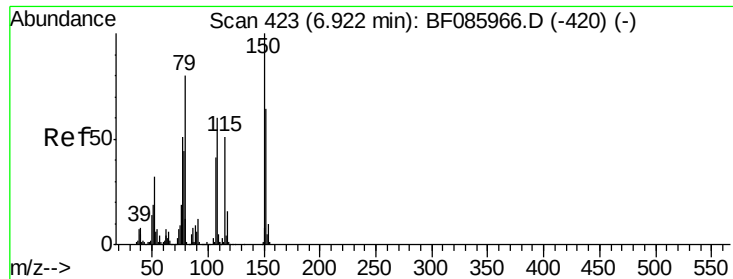


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 3.46 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

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ClientSampleId :

SB02

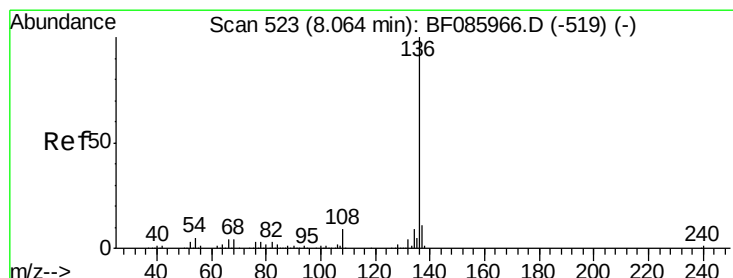
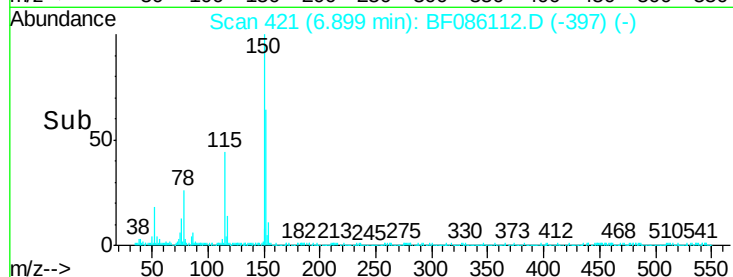
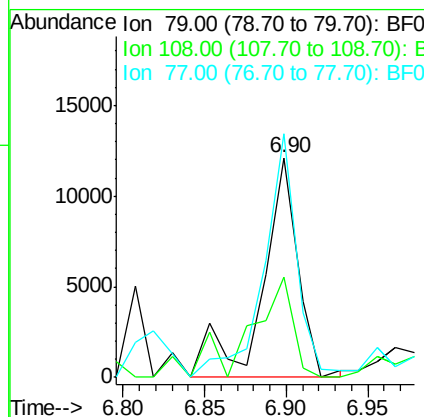
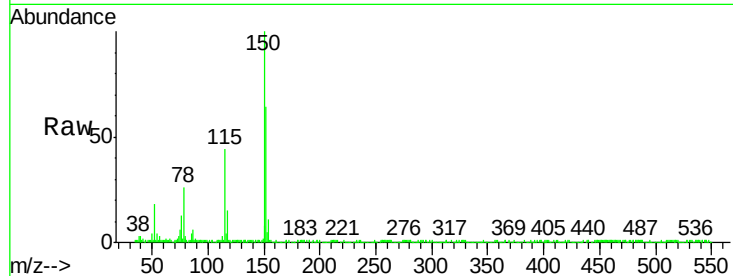
Tgt Ion: 79 Resp: 18461

Ion Ratio Lower Upper

79 100

108 45.5 61.8 92.6#

77 111.0 49.6 74.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Tgt Ion: 136 Resp: 404819

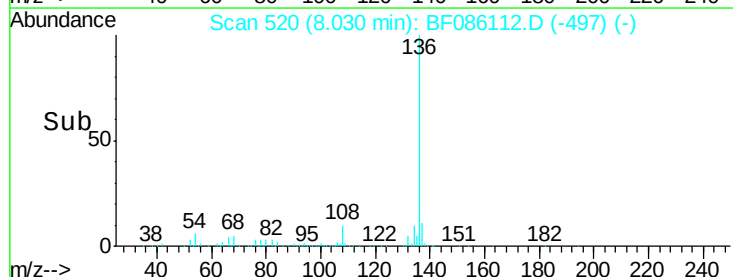
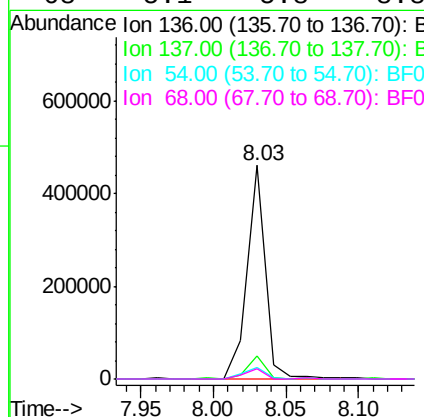
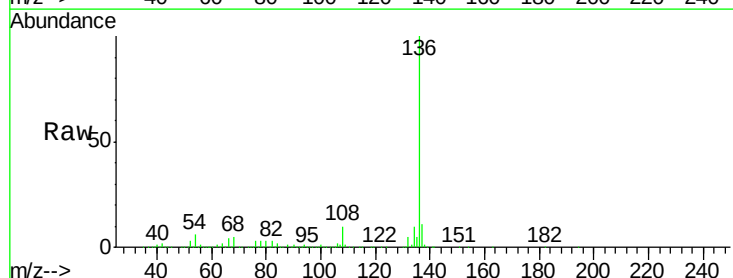
Ion Ratio Lower Upper

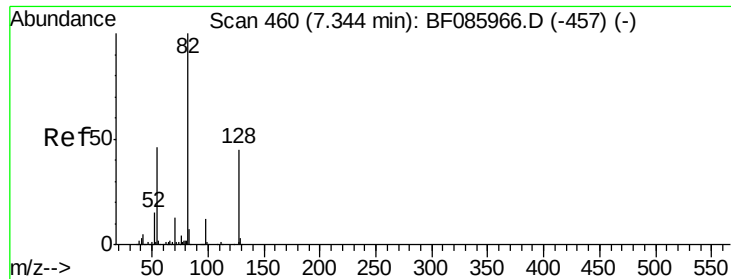
136 100

137 11.0 9.1 13.7

54 5.7 7.4 11.0#

68 5.1 5.8 8.8#

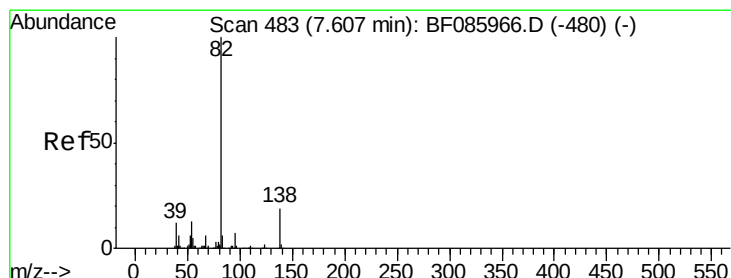
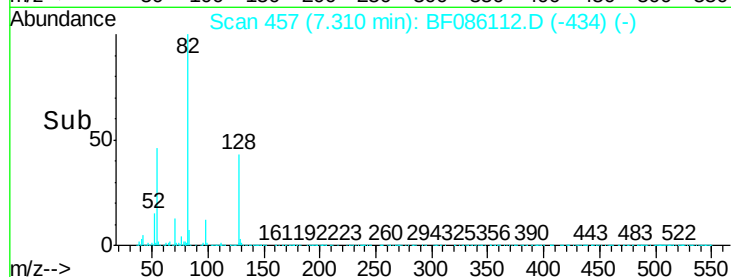
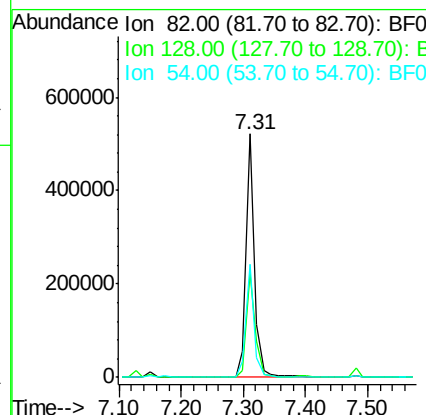
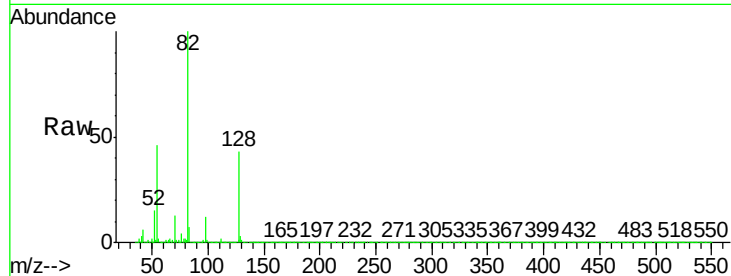




#23
 Nitrobenzene-d5
 Concen: 74.14 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

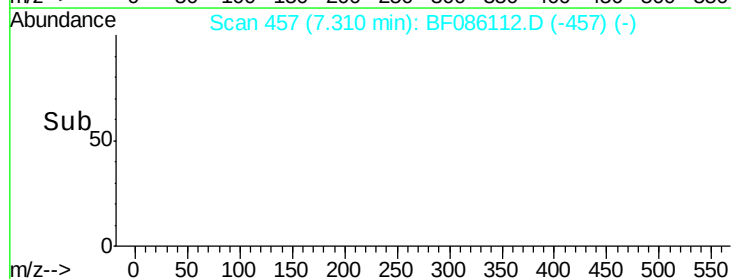
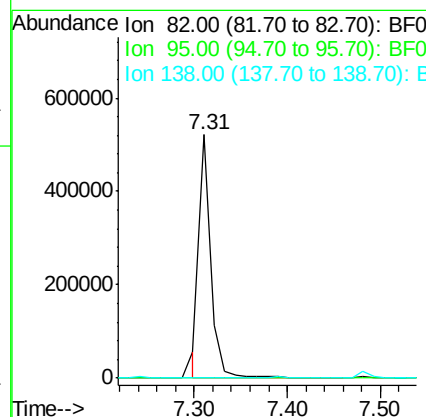
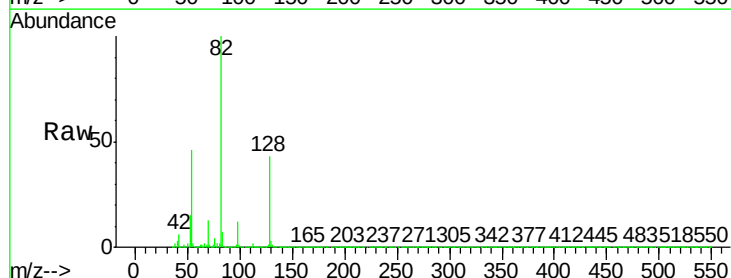
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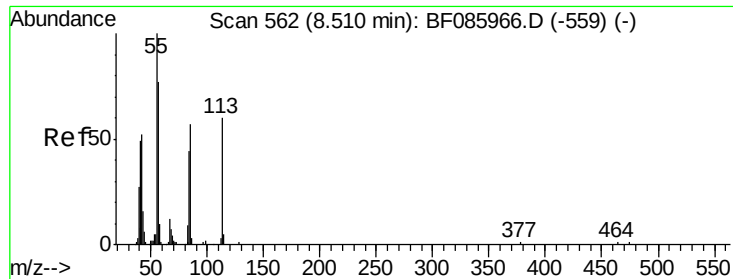
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.8	41.8	62.8
54	46.5	33.4	50.0



#25
 Isophorone
 Concen: 33.95 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.30 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.4	8.2#
138	0.4	12.9	19.3#

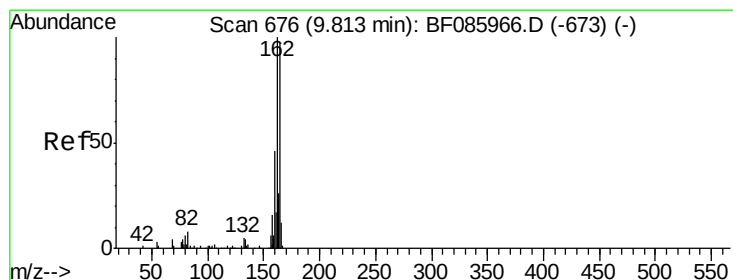
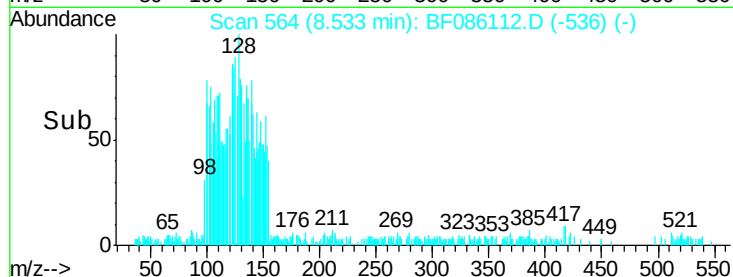
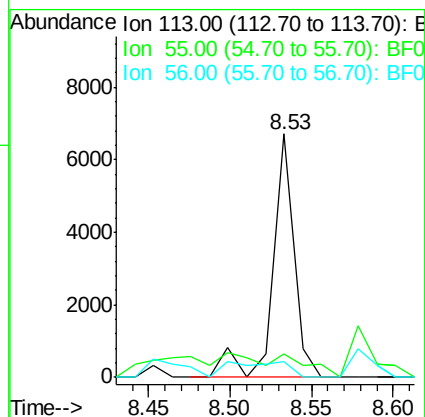
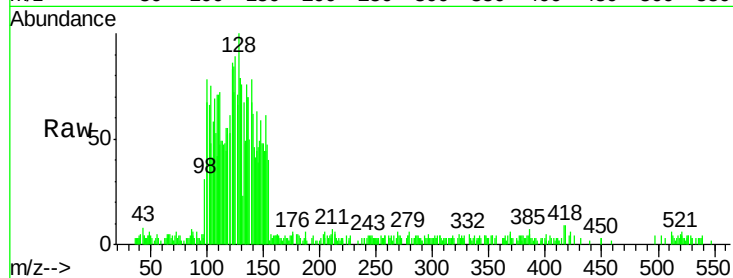




#35
 Caprolactam
 Concen: 3.56 ng
 RT: 8.53 min Scan# 564
 Delta R.T. 0.02 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

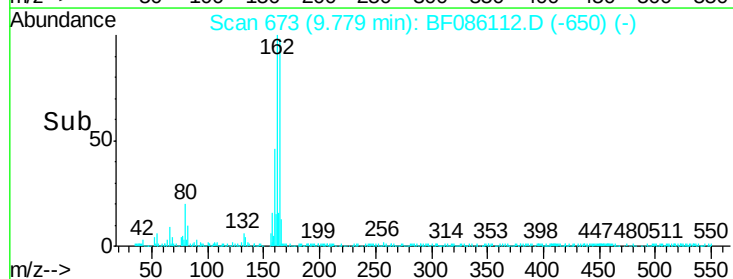
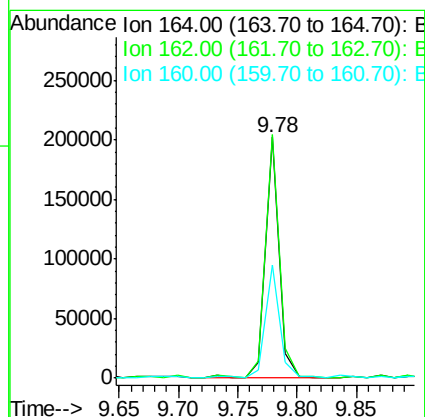
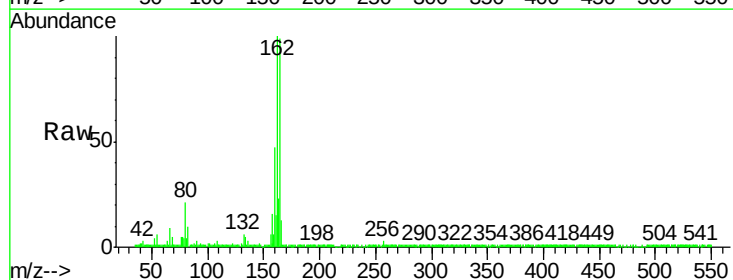
Instrument :
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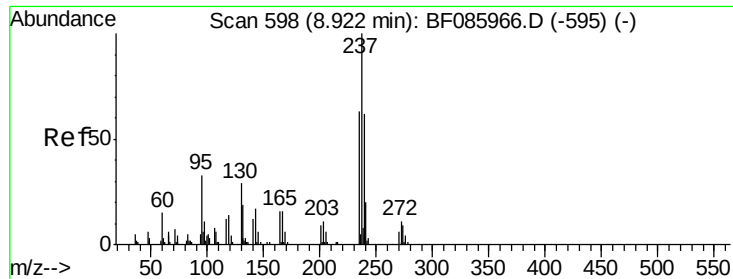
Tgt Ion:113 Resp: 6162
 Ion Ratio Lower Upper
 113 100
 55 9.6 139.4 179.4#
 56 6.2 100.4 140.4#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

Tgt Ion:164 Resp: 166972
 Ion Ratio Lower Upper
 164 100
 162 101.0 82.1 123.1
 160 47.1 37.4 56.2





#40

Hexachlorocyclopentadiene

Concen: 5.63 ng

RT: 8.94 min Scan# 600

Delta R.T. 0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

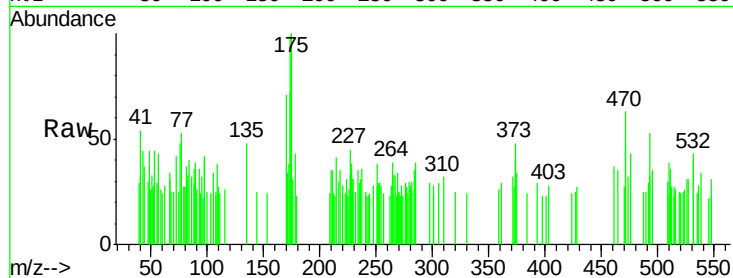
Tgt Ion:237 Resp: 331

Ion Ratio Lower Upper

237 100

235 168.5 43.7 83.7#

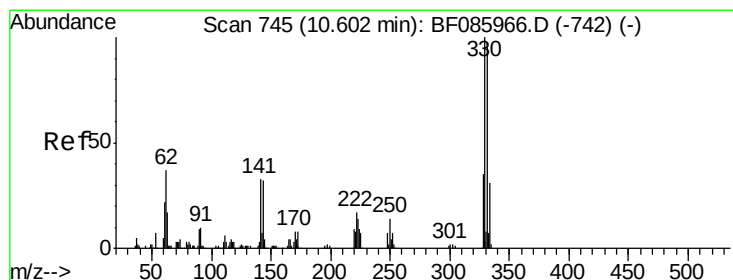
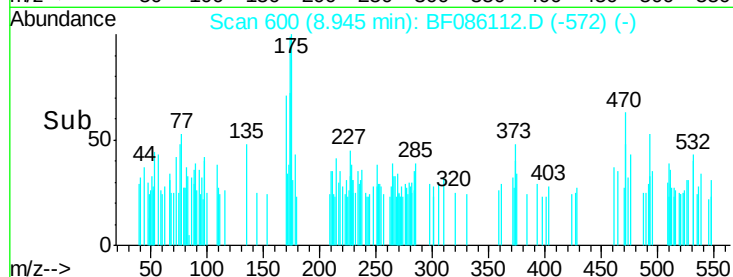
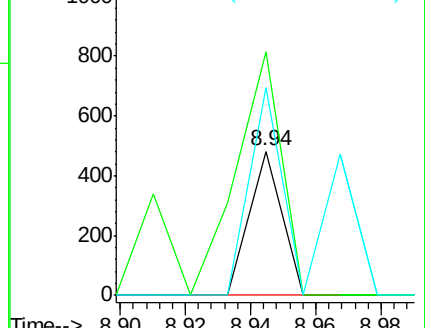
272 144.3 0.0 31.9#



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 88.10 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

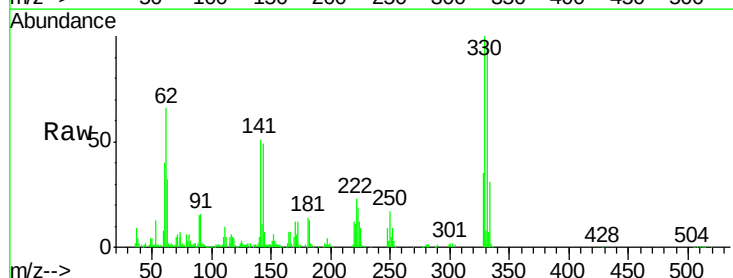
Tgt Ion:330 Resp: 138075

Ion Ratio Lower Upper

330 100

332 95.2 78.2 117.2

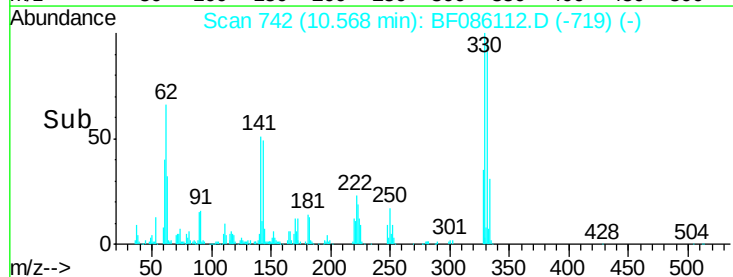
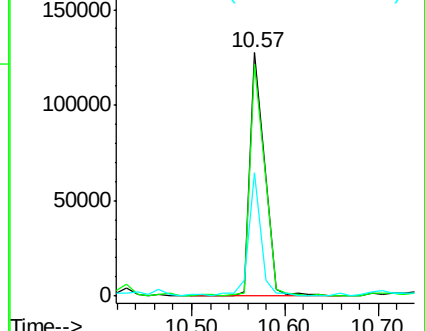
141 42.4 31.5 47.3

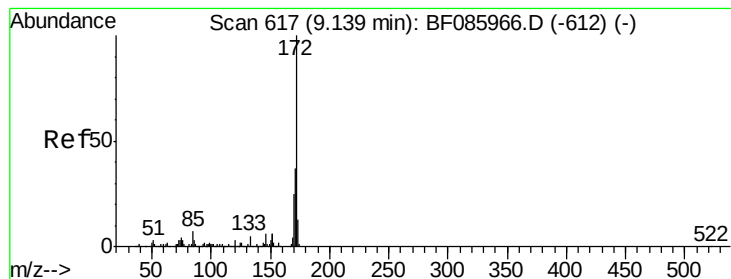


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

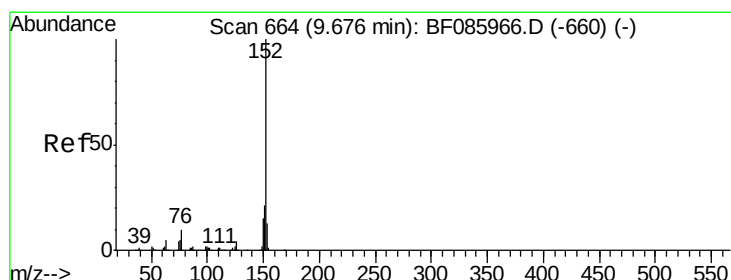
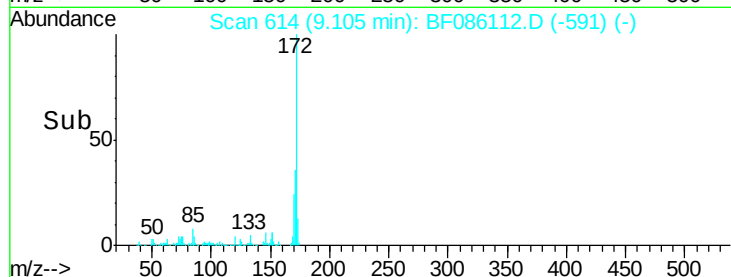
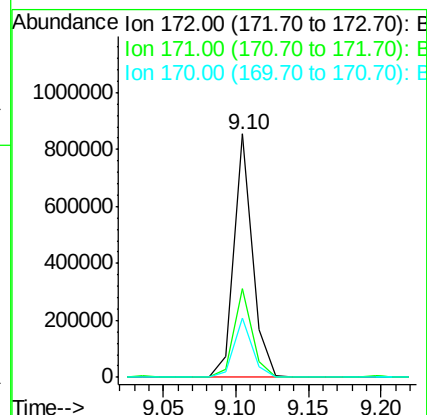
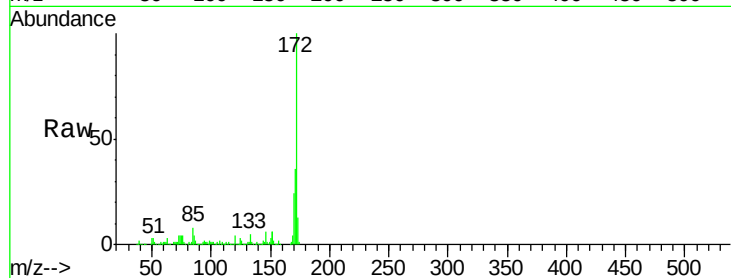




#44
2-Fluorobiphenyl
Concen: 75.67 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

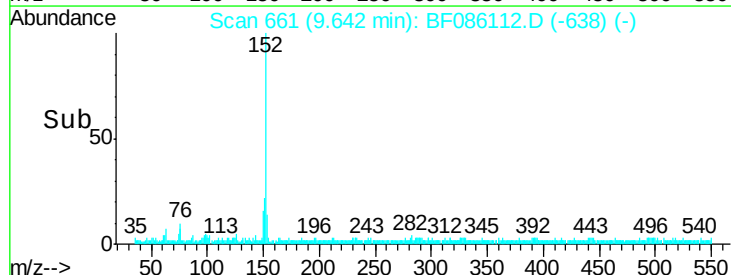
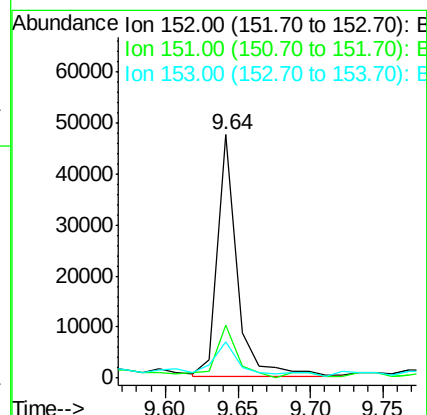
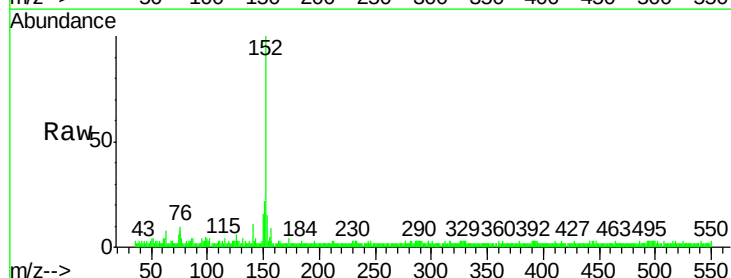
Instrument :
BNA_F
ClientSampleId :
SB02

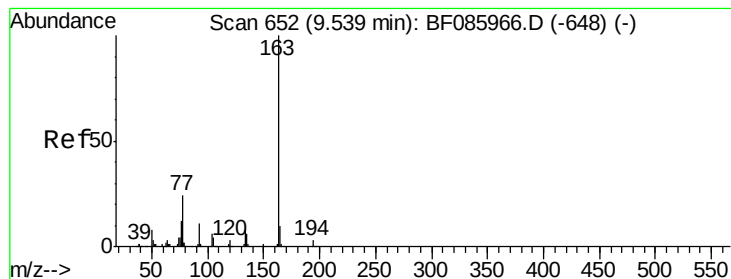
Tgt Ion:172 Resp: 759932
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.2
170 24.3 19.8 29.6



#48
Acenaphthylene
Concen: 2.68 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Tgt Ion:152 Resp: 44792
Ion Ratio Lower Upper
152 100
151 21.8 16.8 25.2
153 15.1 10.9 16.3





#49

Dimethylphthalate

Concen: 14.35 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

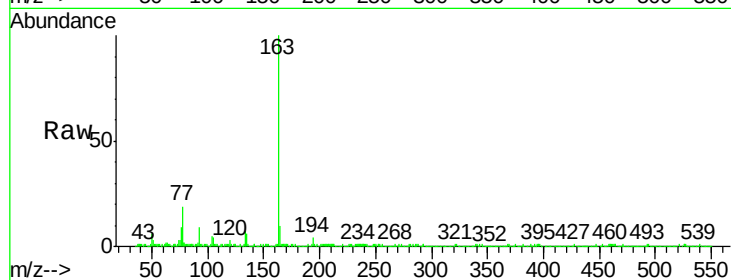
Tgt Ion:163 Resp: 177604

Ion Ratio Lower Upper

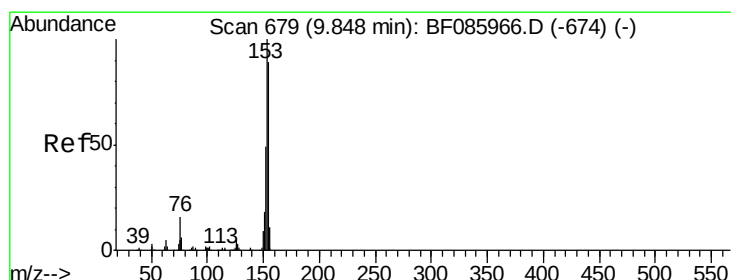
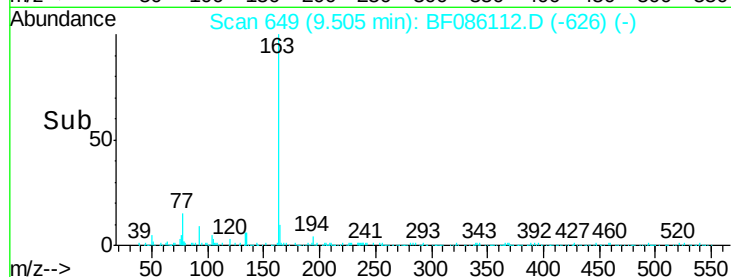
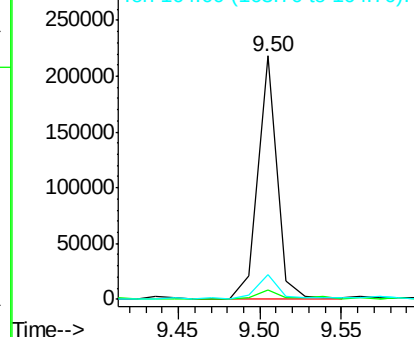
163 100

194 3.7 2.9 4.3

164 10.1 8.3 12.5



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: 7.45 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

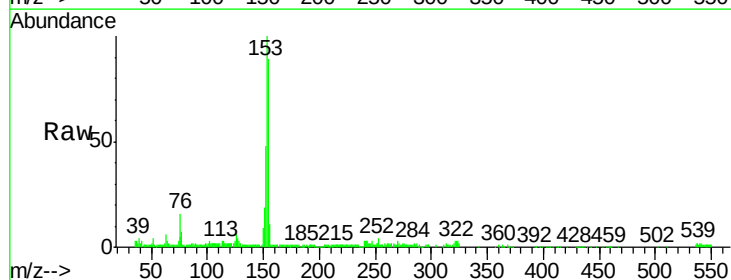
Tgt Ion:154 Resp: 74042

Ion Ratio Lower Upper

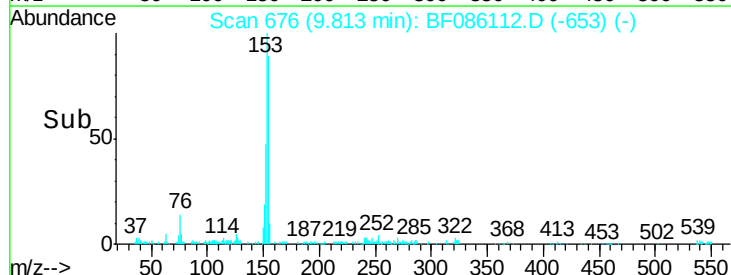
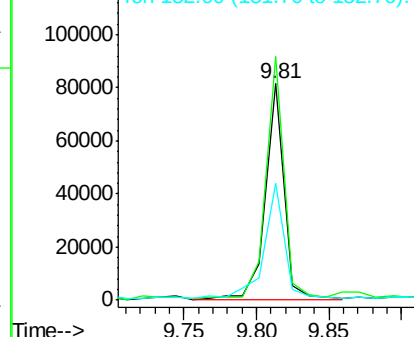
154 100

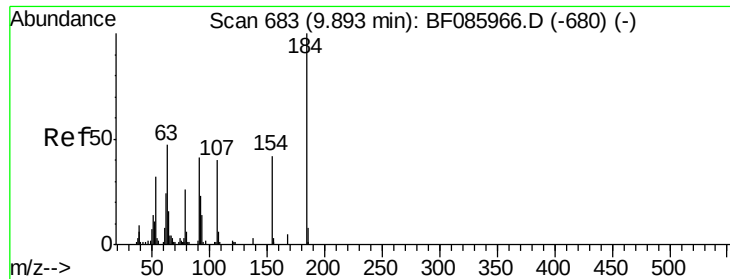
153 112.5 90.1 135.1

152 54.0 44.2 66.2



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

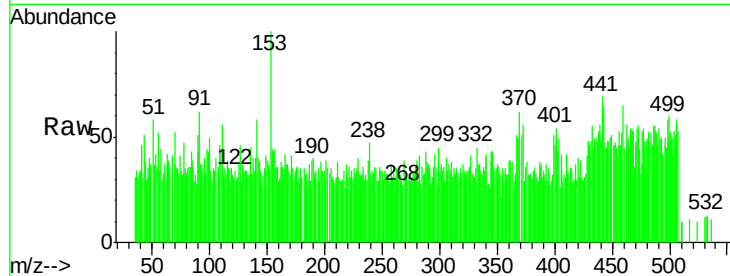




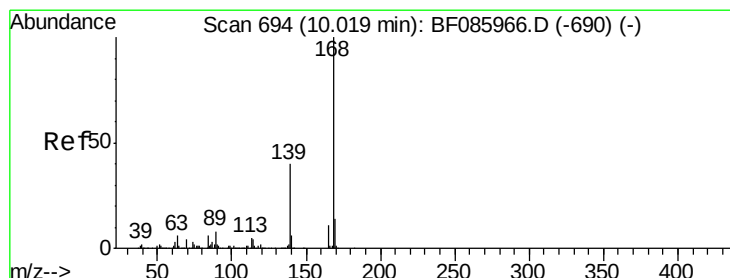
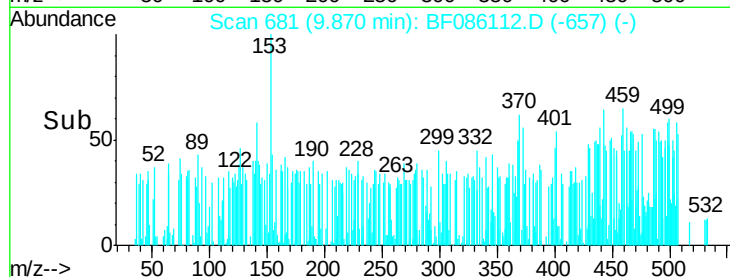
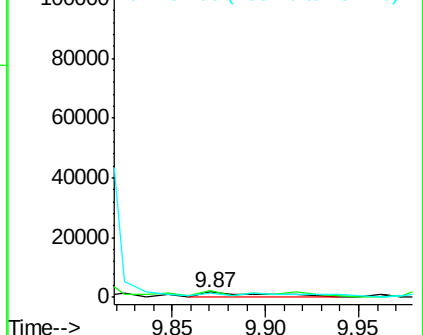
#53
2,4-Dinitrophenol
Concen: 6.49 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Instrument :
BNA_F
ClientSampled :
SB02

Tgt Ion:184 Resp: 4343
Ion Ratio Lower Upper
184 100
63 143.2 69.5 104.3#
154 79.4 58.3 87.5

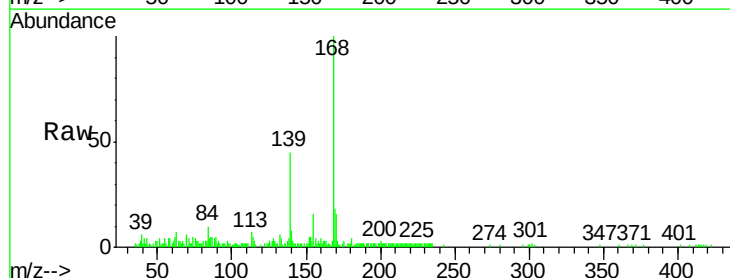


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

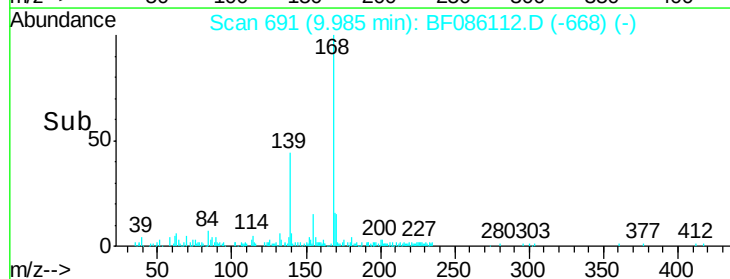
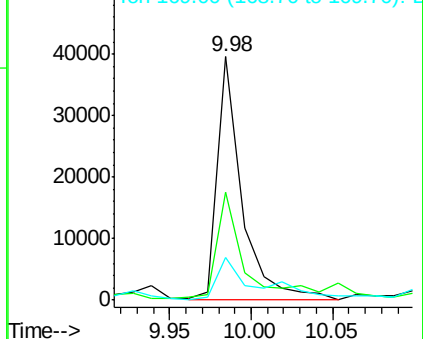


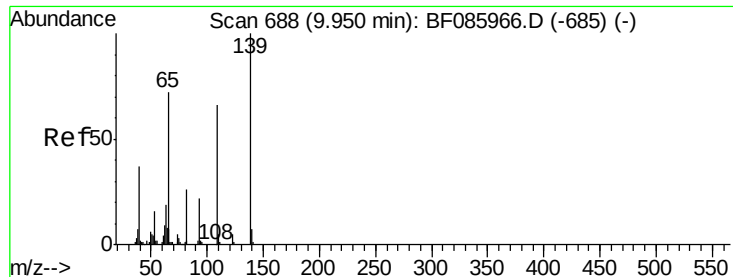
#54
Dibenzofuran
Concen: 3.16 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Tgt Ion:168 Resp: 41528
Ion Ratio Lower Upper
168 100
139 44.5 31.9 47.9
169 17.7 11.0 16.6#



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: 2.95 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

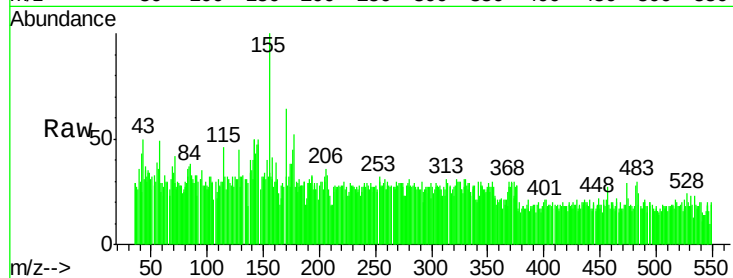
Tgt Ion:139 Resp: 5495

Ion Ratio Lower Upper

139 100

109 32.2 49.2 89.2#

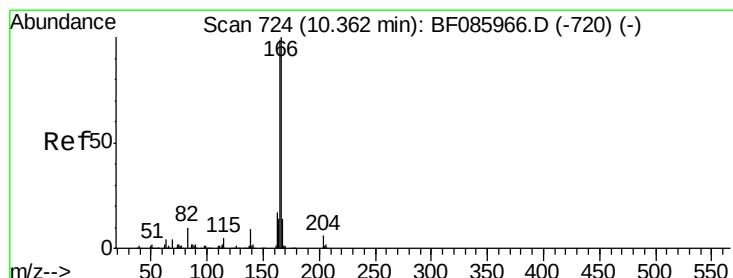
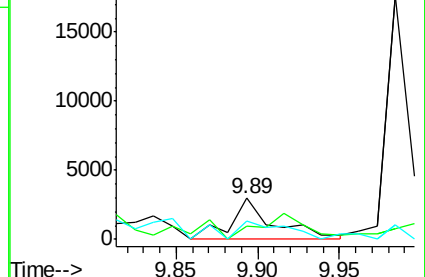
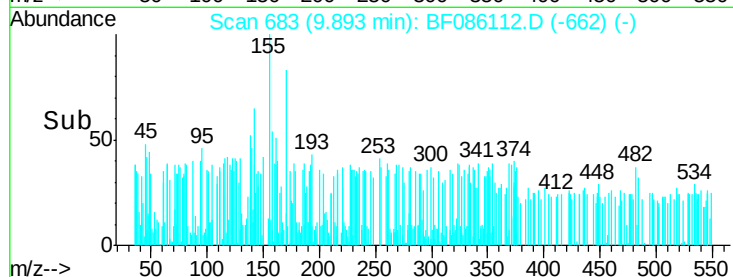
65 43.4 66.9 106.9#



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



#57

Fluorene

Concen: 6.14 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

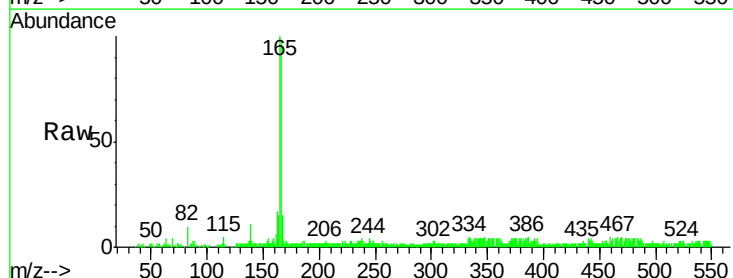
Tgt Ion:166 Resp: 68825

Ion Ratio Lower Upper

166 100

165 102.0 79.4 119.0

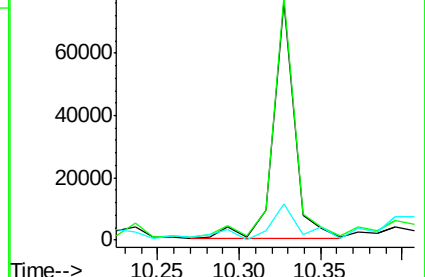
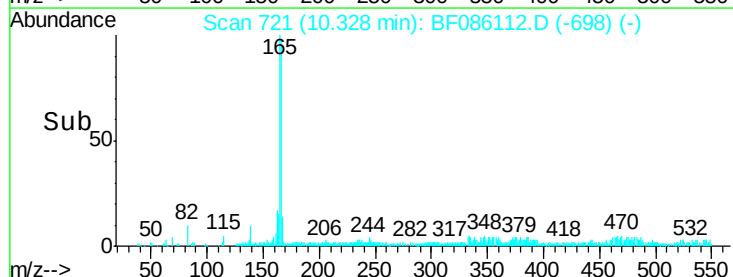
167 15.1 11.0 16.4

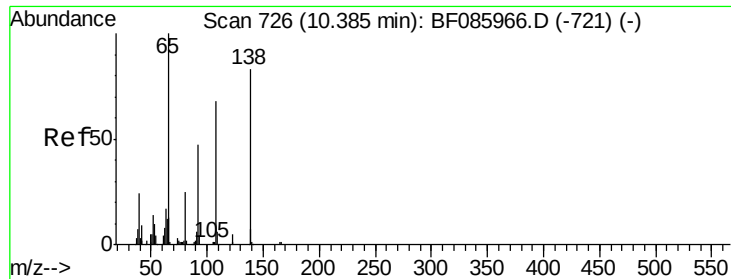


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

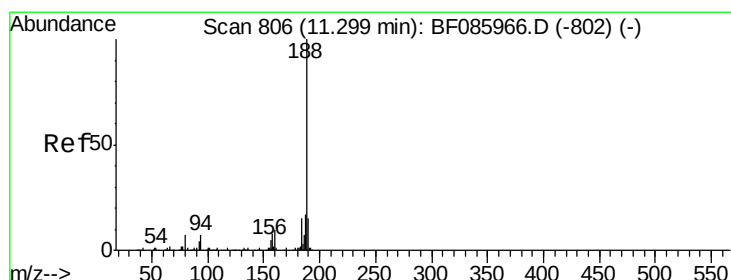
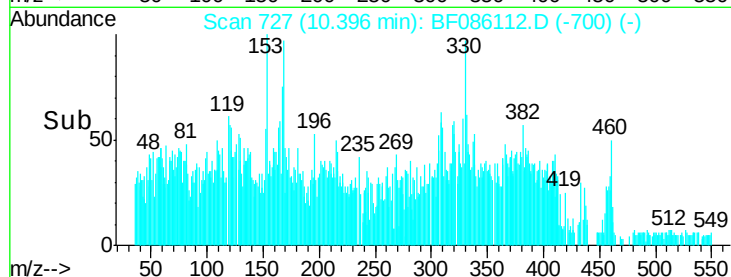
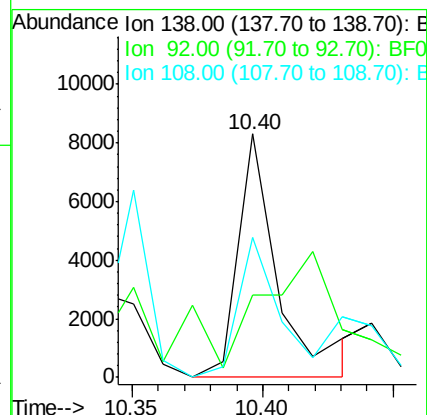
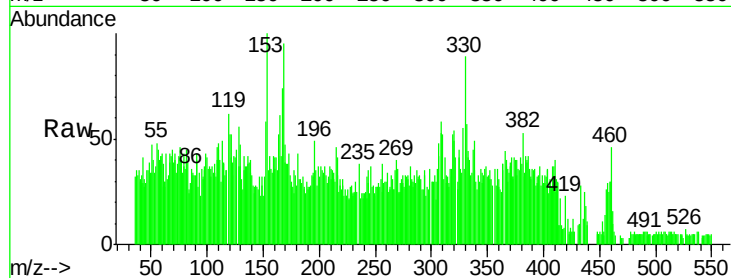




#61
4-Nitroaniline
Concen: 2.88 ng
RT: 10.40 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

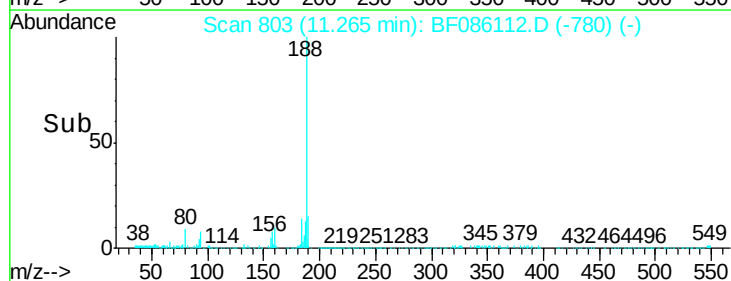
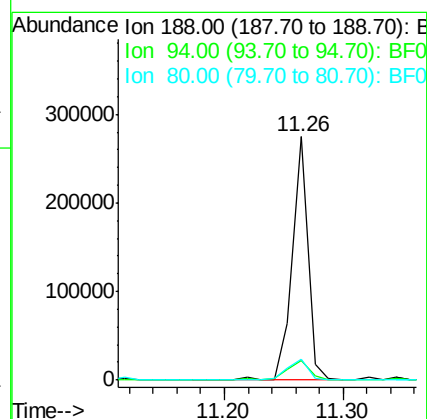
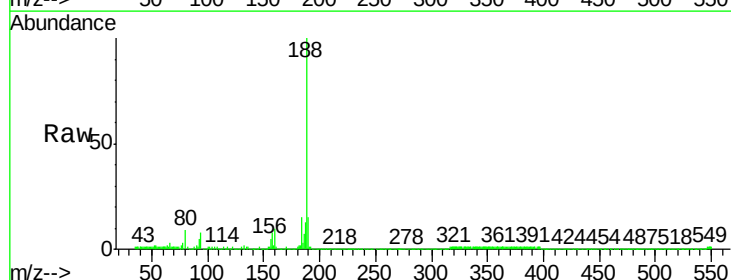
Instrument :
BNA_F
ClientSampleId :
SB02

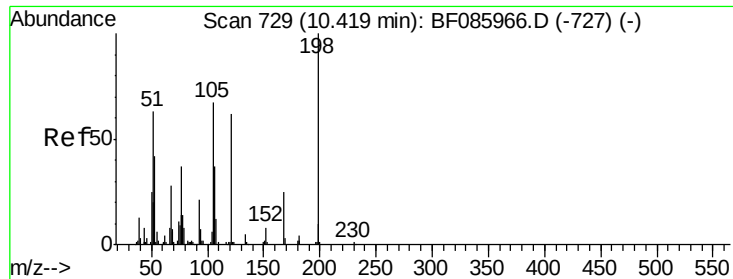
Tgt Ion:138 Resp: 8957
Ion Ratio Lower Upper
138 100
92 34.0 26.4 66.4
108 57.7 49.0 89.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Tgt Ion:188 Resp: 250014
Ion Ratio Lower Upper
188 100
94 8.3 5.4 8.0#
80 8.7 5.5 8.3#

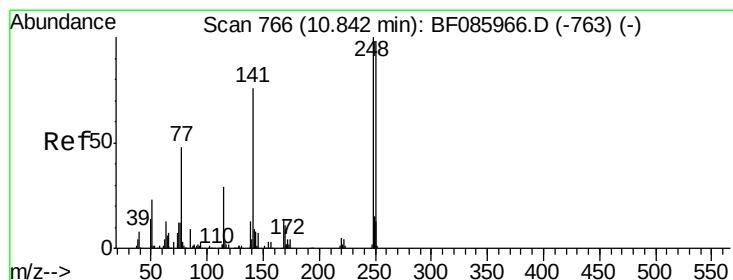
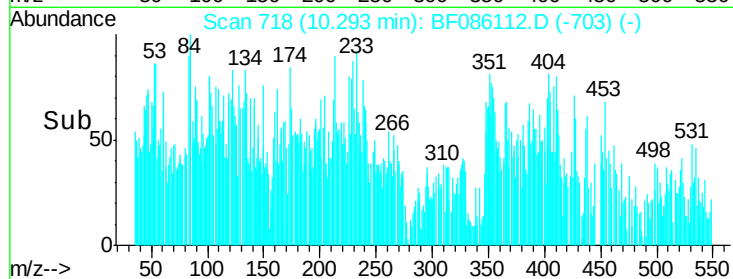
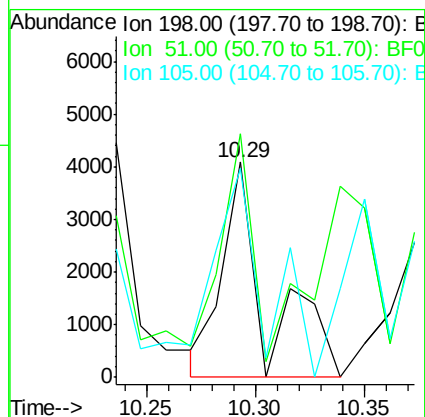
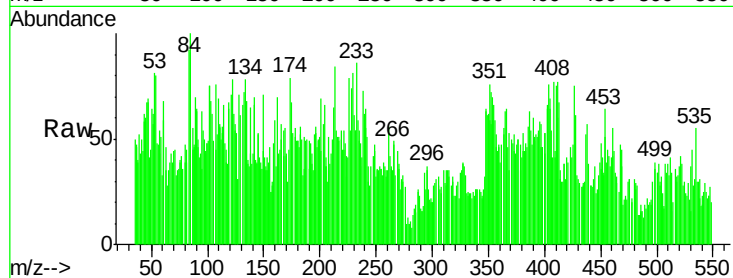




#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.85 ng
 RT: 10.29 min Scan# 718
 Delta R.T. -0.13 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

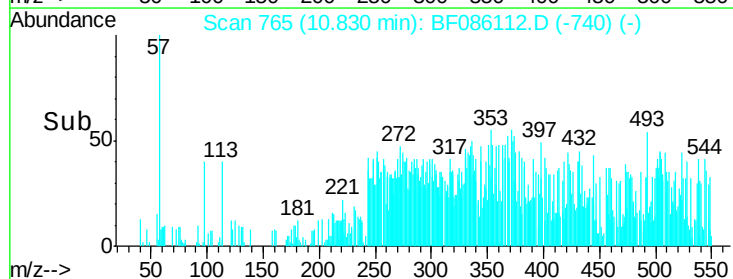
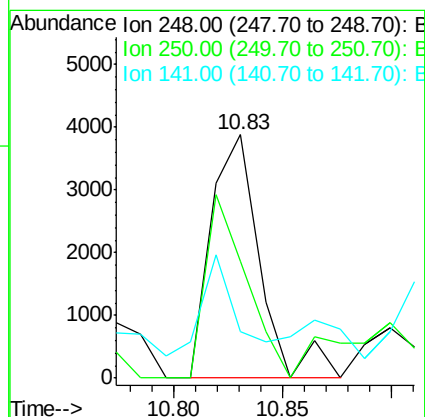
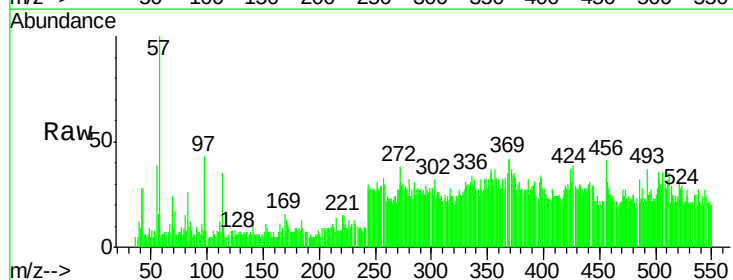
Instrument :
 BNA_F
 ClientSampleId :
 SB02

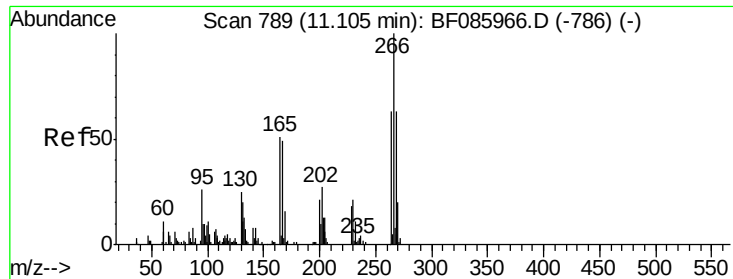
Tgt Ion:198 Resp: 5829
 Ion Ratio Lower Upper
 198 100
 51 57.2 45.4 85.4
 105 49.1 45.9 85.9



#66
 4-Bromophenyl-phenylether
 Concen: 2.36 ng
 RT: 10.83 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

Tgt Ion:248 Resp: 6035
 Ion Ratio Lower Upper
 248 100
 250 48.1 77.4 116.0#
 141 19.2 63.6 95.4#

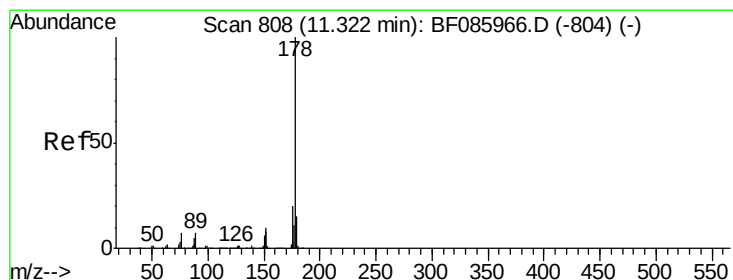
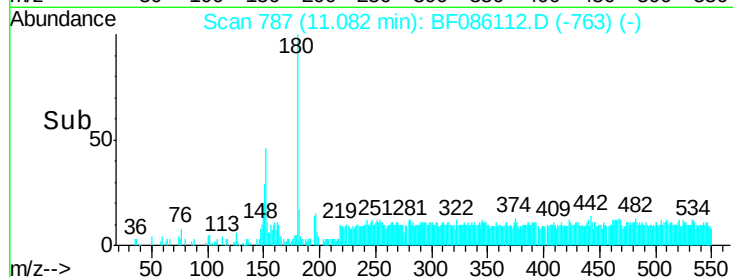
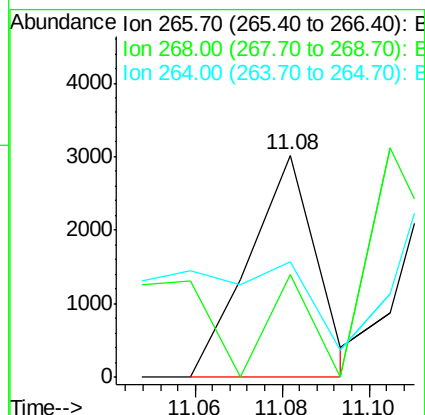
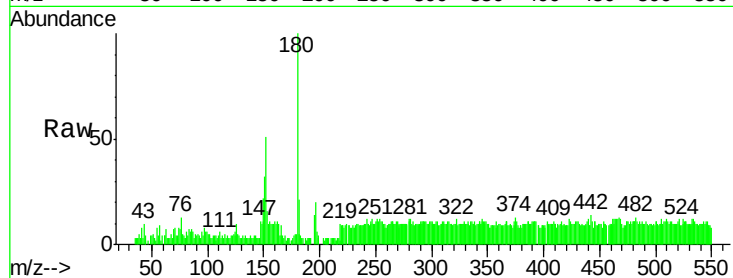




#69
 Pentachlorophenol
 Concen: 2.64 ng
 RT: 11.08 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

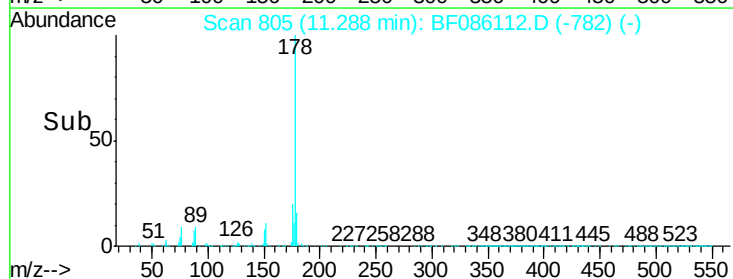
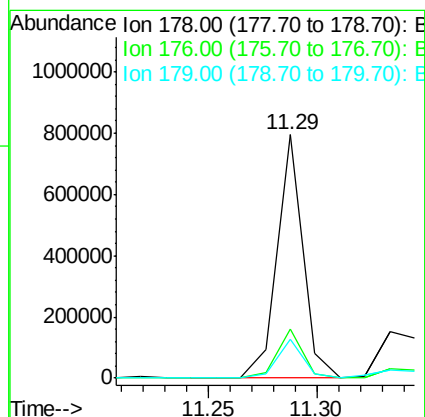
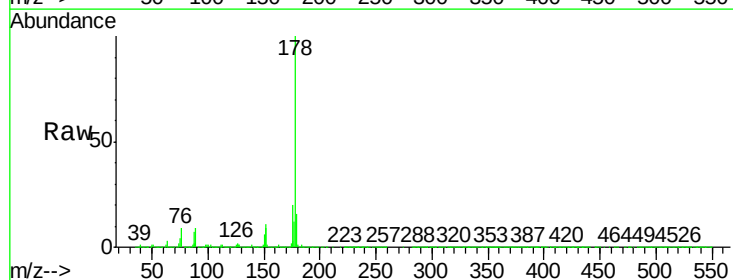
Instrument :
 BNA_F
 ClientSampleId :
 SB02

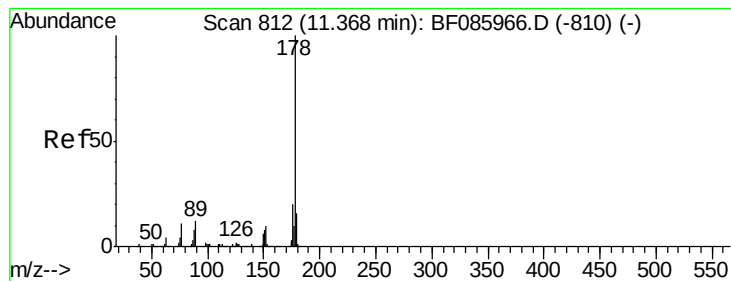
Tgt Ion: 266 Resp: 3263
 Ion Ratio Lower Upper
 266 100
 268 46.2 51.5 77.3#
 264 52.0 50.6 76.0



#70
 Phenanthrene
 Concen: 48.67 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.03 min
 Lab File: BF086112.D
 Acq: 6 Apr 2016 21:58

Tgt Ion: 178 Resp: 663848
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.3 24.5
 179 15.8 12.6 18.8





#71

Anthracene

Concen: 13.65 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

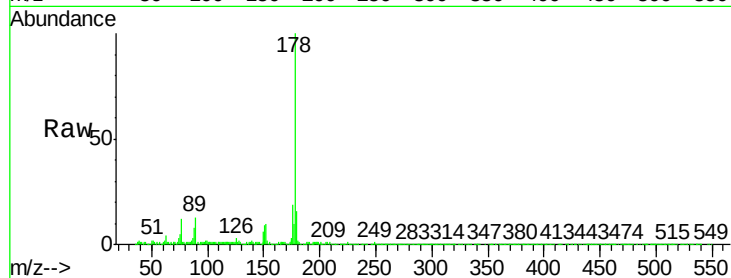
Tgt Ion:178 Resp: 195015

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

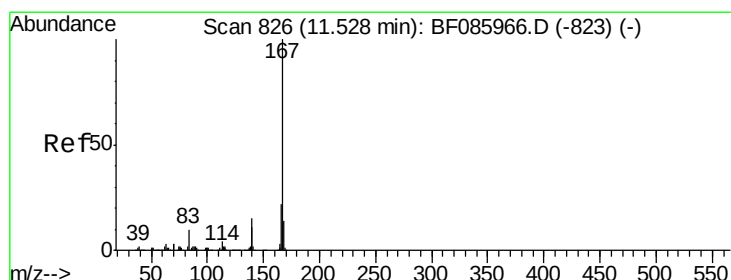
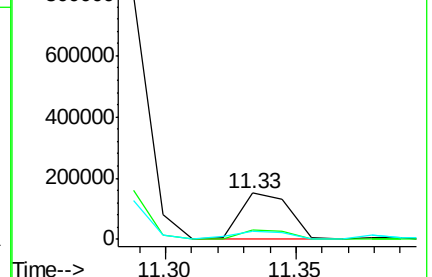
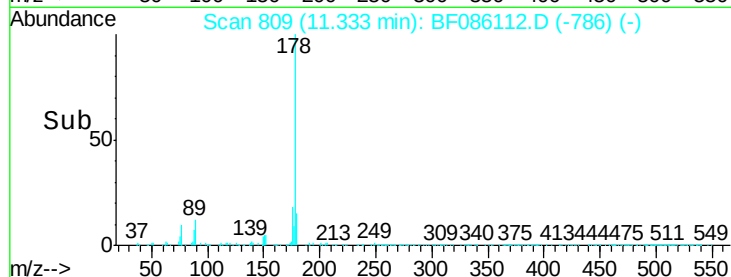
179 16.4 13.0 19.4



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



#72

Carbazole

Concen: 4.11 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

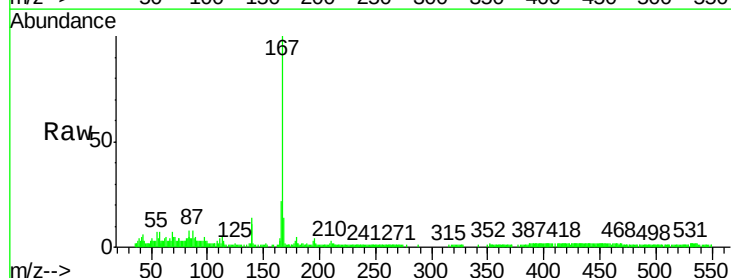
Tgt Ion:167 Resp: 50467

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.8

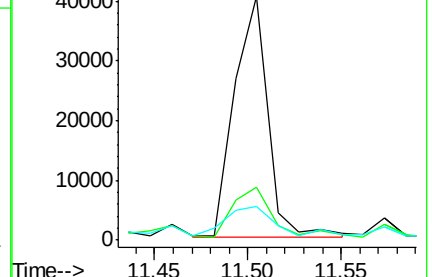
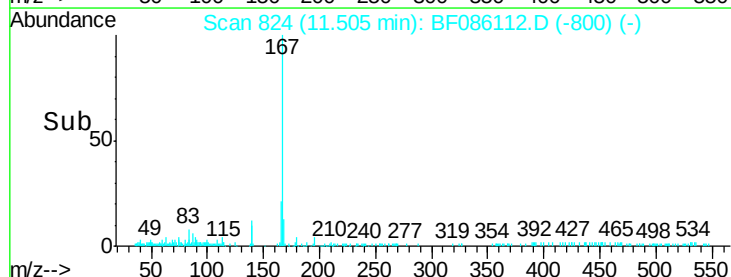
139 13.8 11.6 17.4

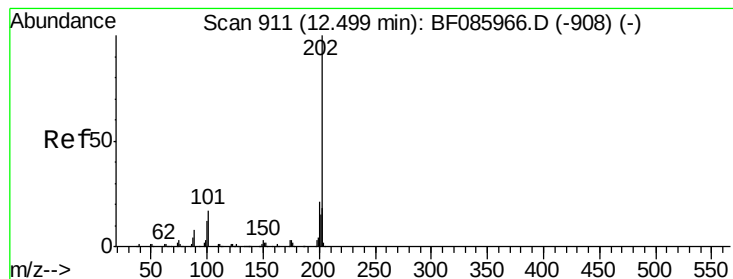


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 65.51 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

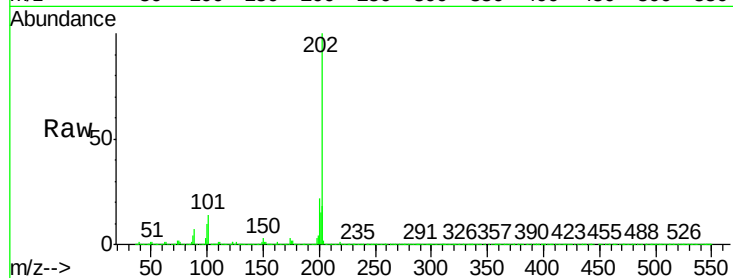
Tgt Ion:202 Resp: 929415

Ion Ratio Lower Upper

202 100

101 13.8 0.0 36.6

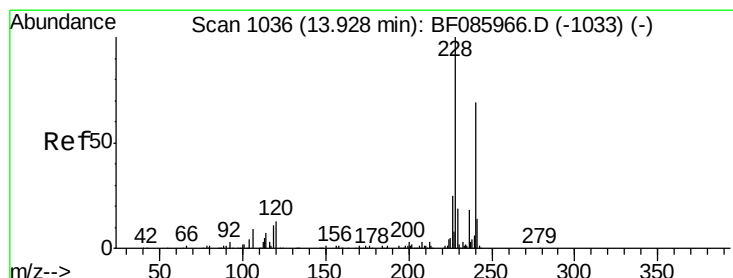
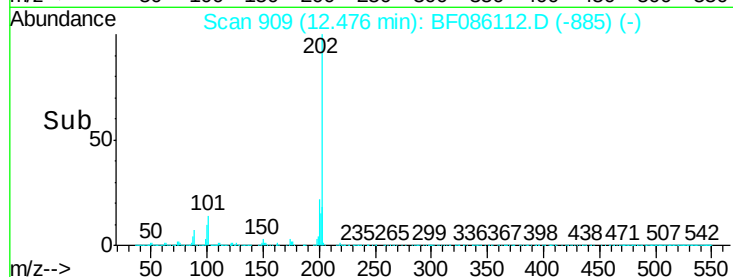
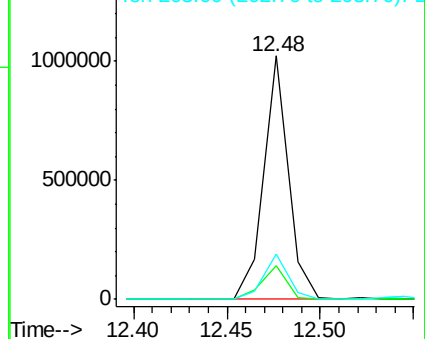
203 18.3 0.0 38.1



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: 13.90 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

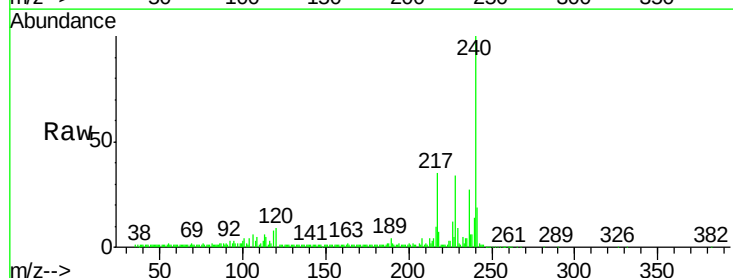
Tgt Ion:240 Resp: 213633

Ion Ratio Lower Upper

240 100

120 8.9 13.8 20.8#

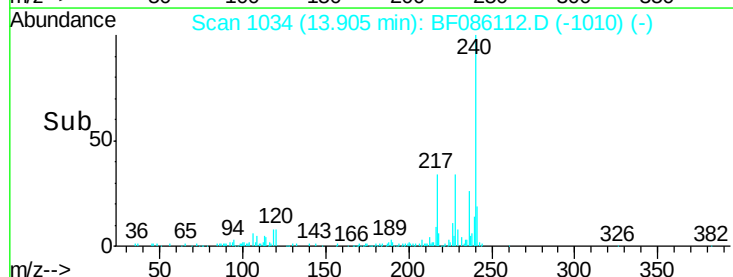
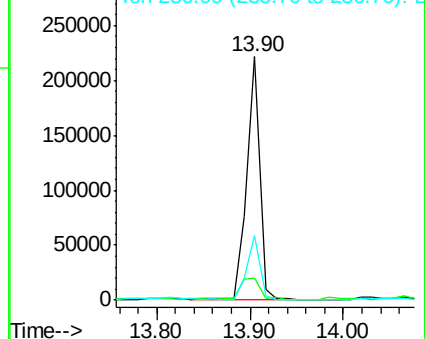
236 26.5 20.6 30.8

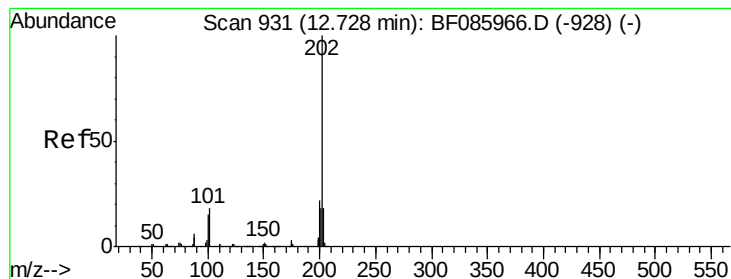


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 60.47 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

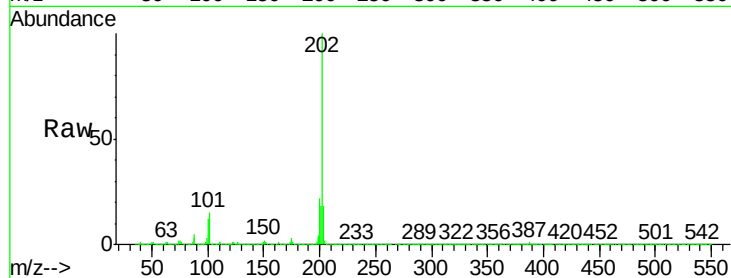
Tgt Ion:202 Resp: 910312

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

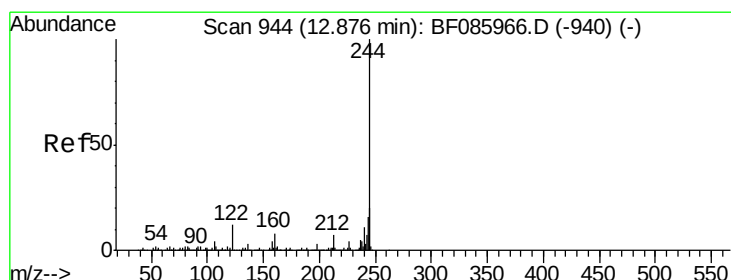
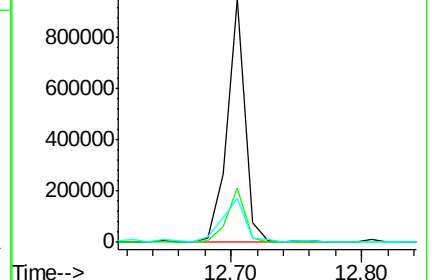
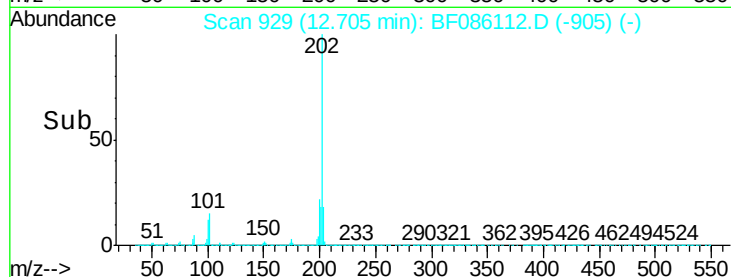
203 18.1 14.0 21.0



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: 58.02 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

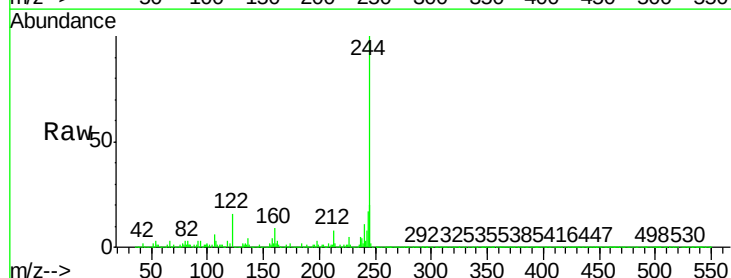
Tgt Ion:244 Resp: 527302

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

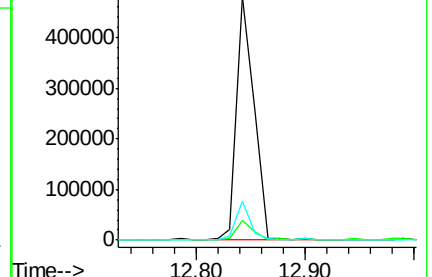
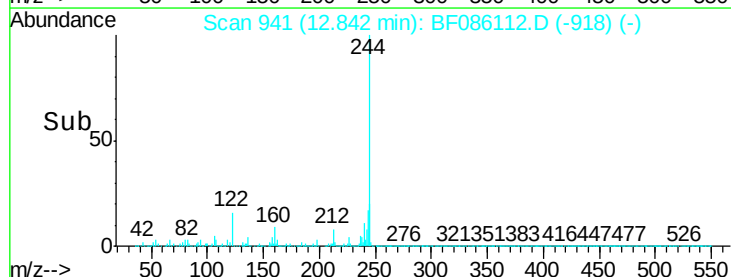
122 16.2 10.2 15.4#

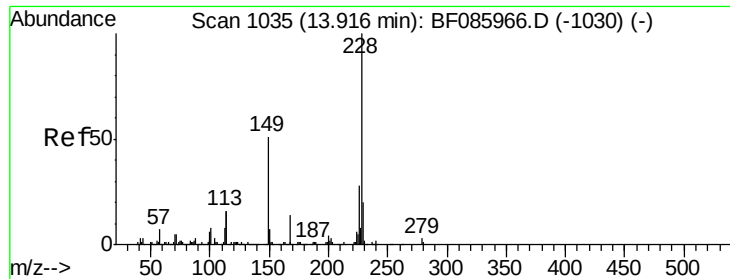


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

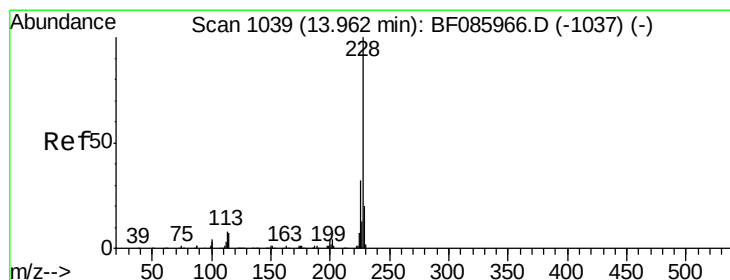
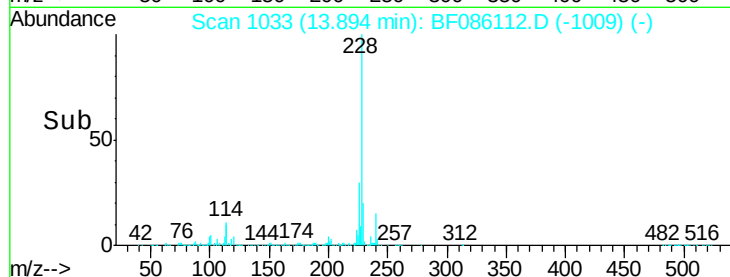
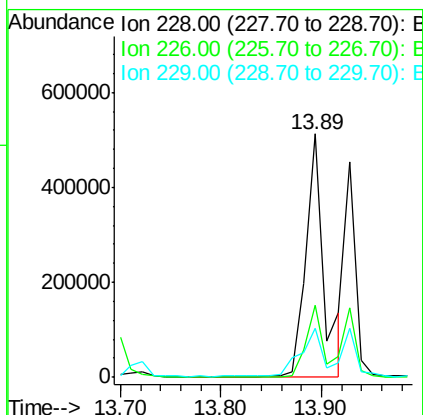
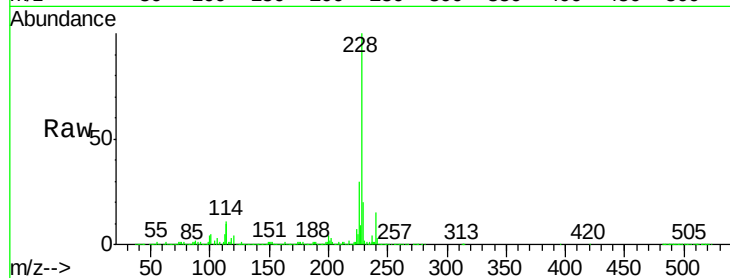




#80
Benzo(a)anthracene
Concen: 50.71 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

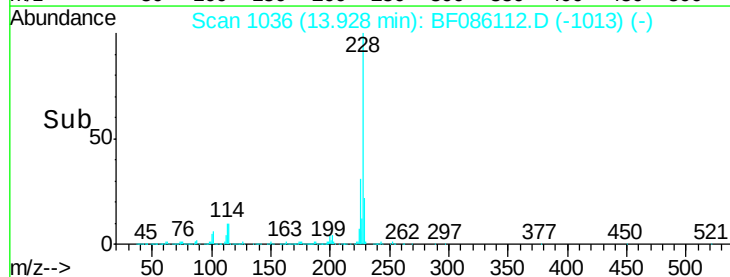
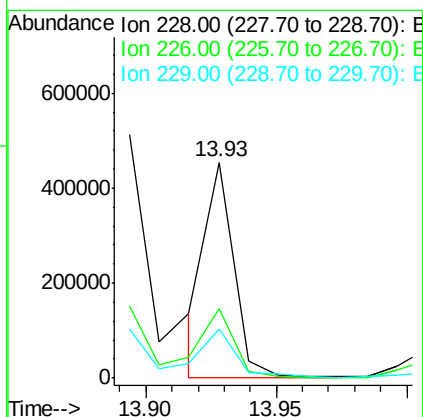
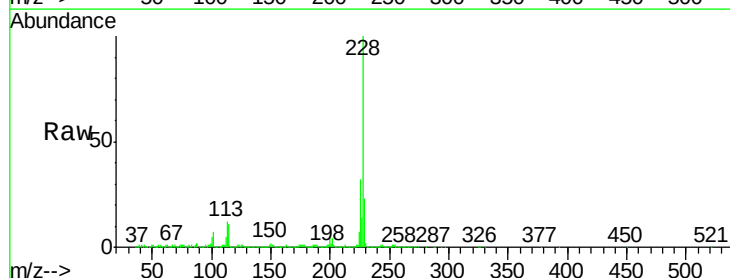
Instrument :
BNA_F
ClientSampleId :
SB02

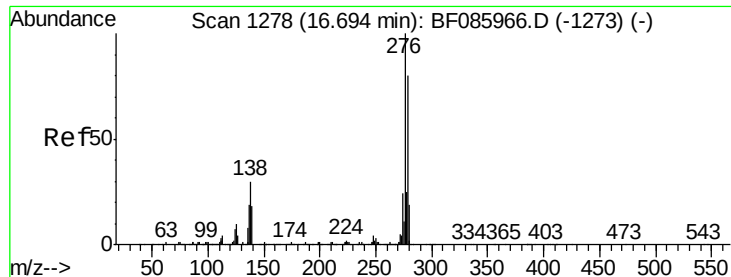
Tgt Ion:228 Resp: 638573
Ion Ratio Lower Upper
228 100
226 29.7 22.1 33.1
229 20.3 16.2 24.4



#82
Chrysene
Concen: 28.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Tgt Ion:228 Resp: 339593
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 22.8 15.7 23.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.43 ng

RT: 16.65 min Scan# 1274

Delta R.T. -0.05 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

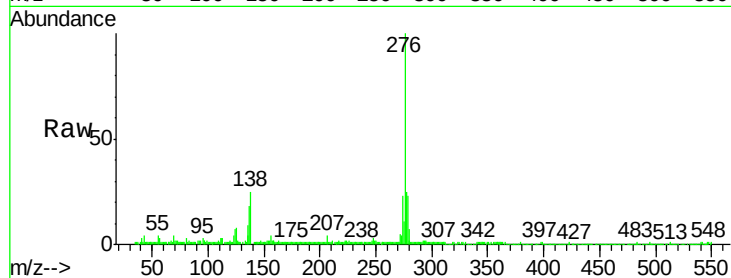
Tgt Ion:276 Resp: 191193

Ion Ratio Lower Upper

276 100

138 27.2 24.2 36.4

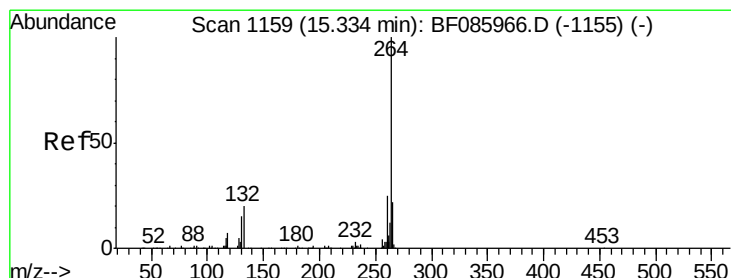
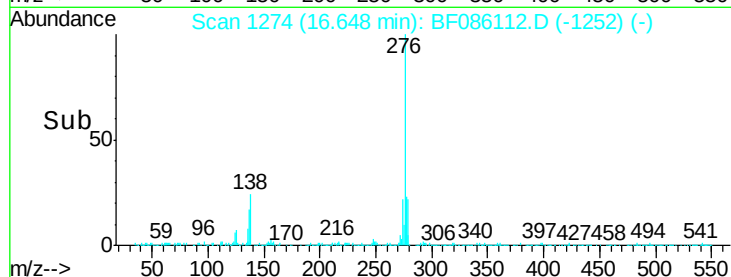
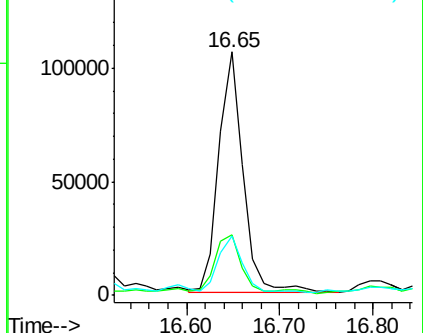
277 23.3 20.0 30.0



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

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

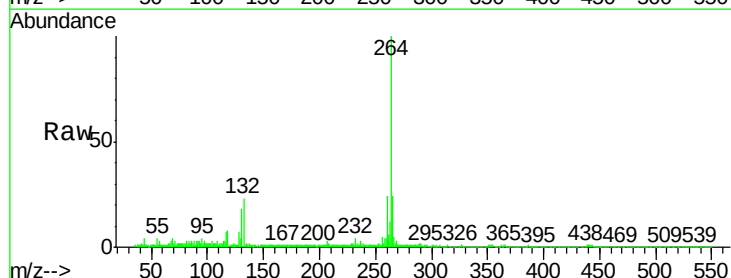
Tgt Ion:264 Resp: 184179

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

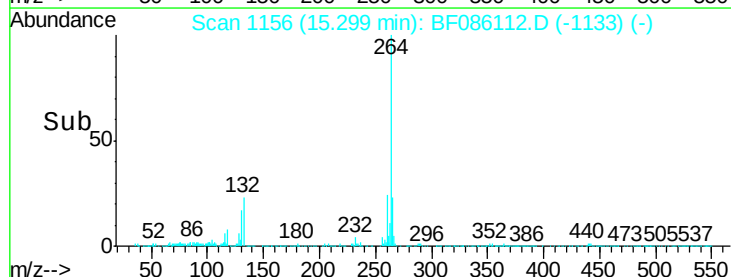
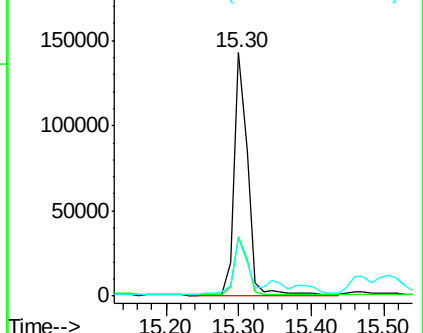
265 23.7 17.2 25.8

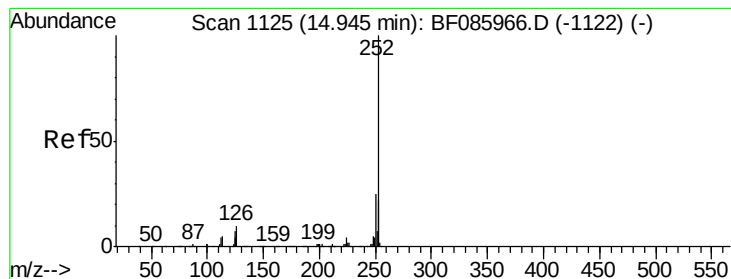


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 65.72 ng

RT: 14.91 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

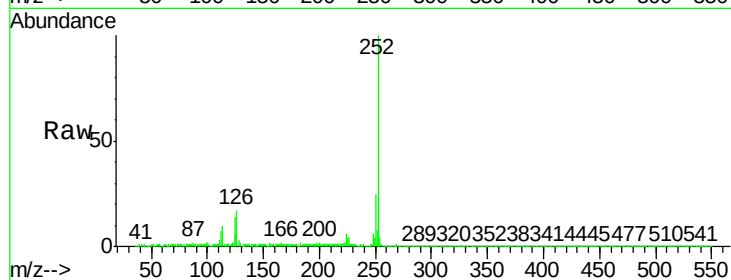
Tgt Ion:252 Resp: 761451

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

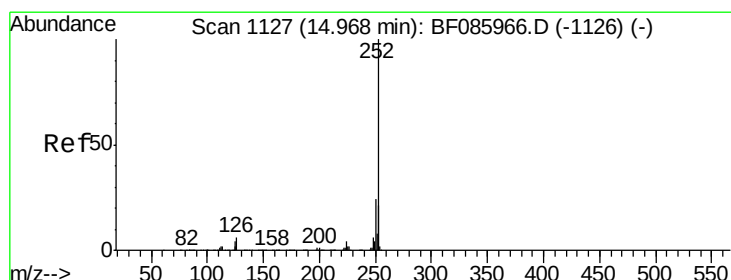
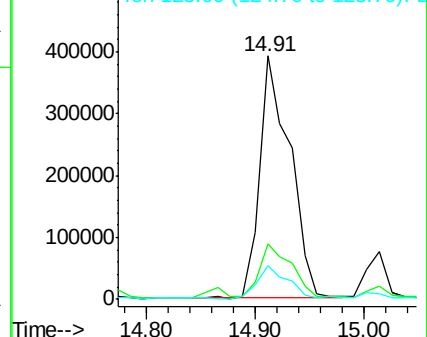
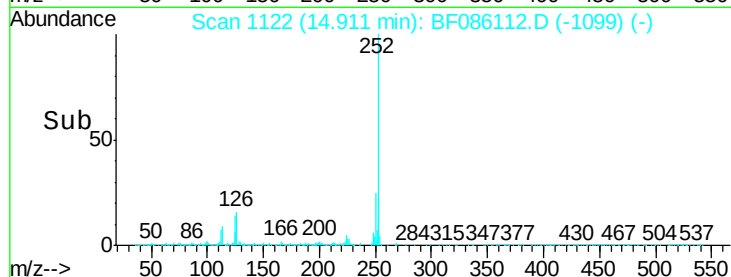
125 14.0 10.3 15.5



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: 74.22 ng

RT: 14.91 min Scan# 1122

Delta R.T. -0.06 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

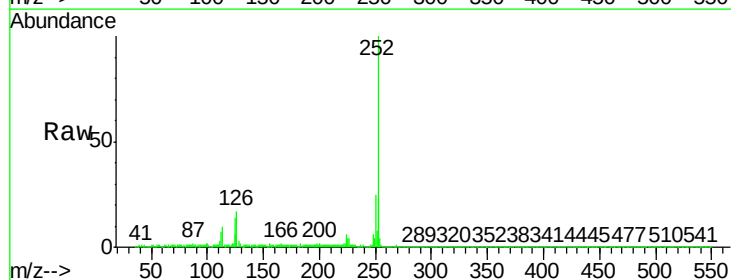
Tgt Ion:252 Resp: 761451

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

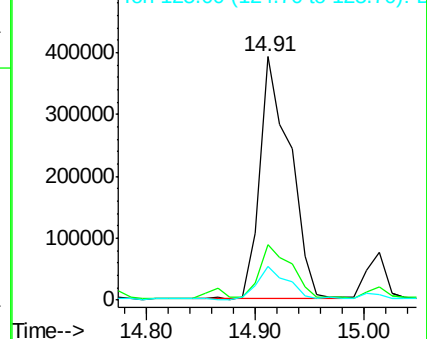
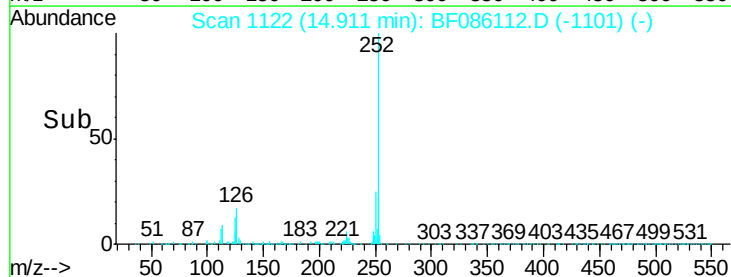
125 14.0 7.7 11.5#

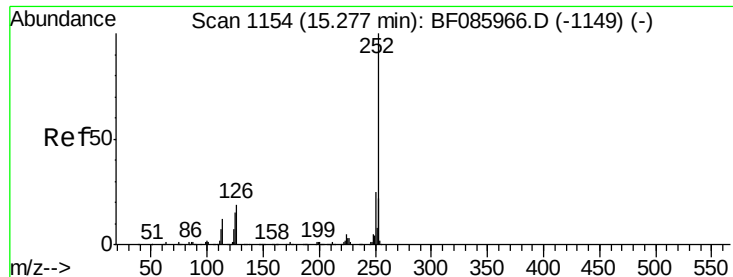


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

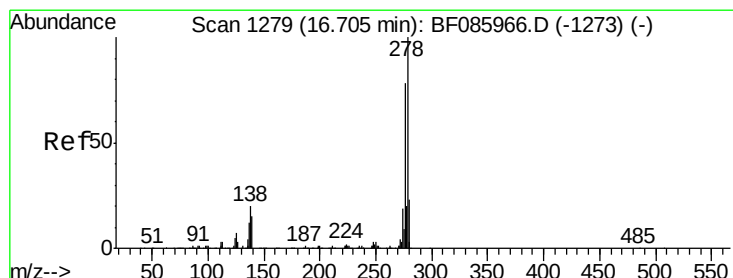
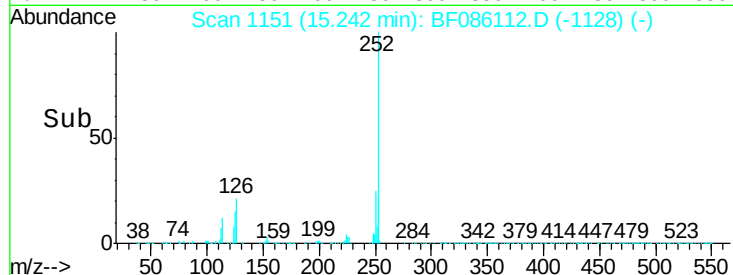
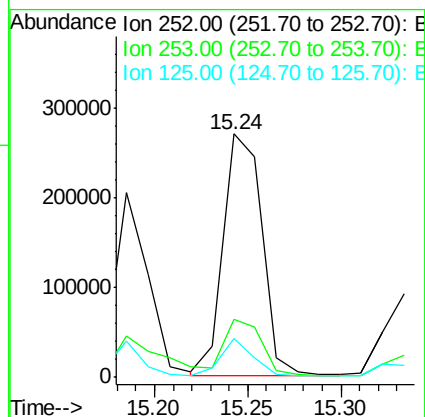
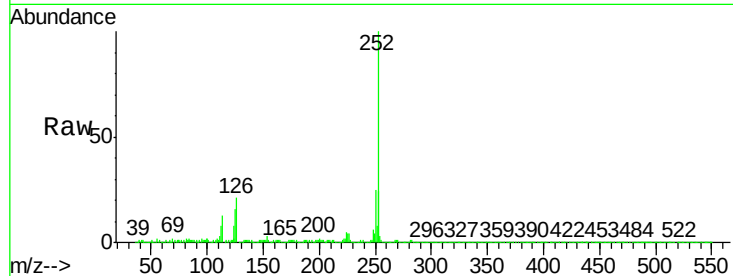




#89
Benzo(a)pyrene
Concen: 38.24 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

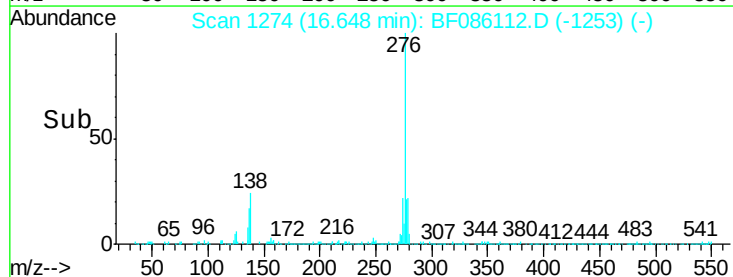
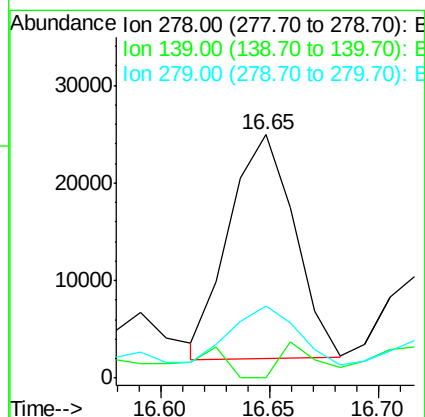
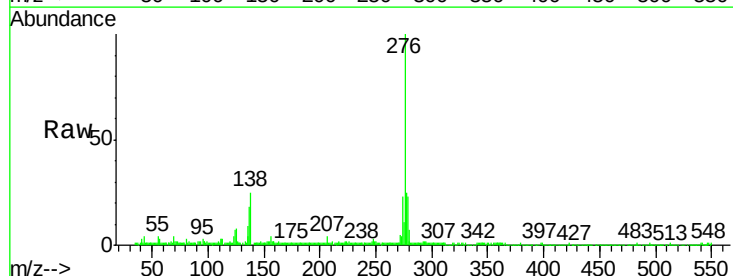
Instrument :
BNA_F
ClientSampleId :
SB02

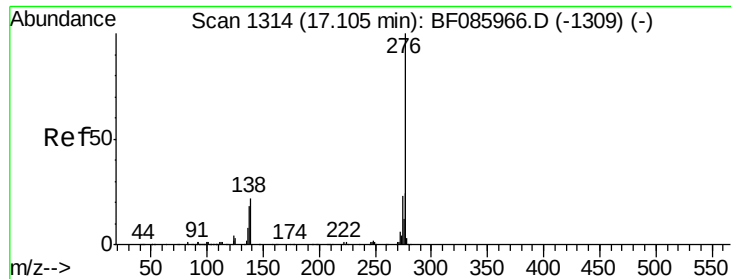
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	15.8	10.3	15.5#



#90
Dibenzo(a,h)anthracene
Concen: 5.80 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.06 min
Lab File: BF086112.D
Acq: 6 Apr 2016 21:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.4	21.6#
279	29.4	19.1	28.7#





#91

Benzo(g,h,i)perylene

Concen: 21.42 ng

RT: 17.05 min Scan# 1309

Delta R.T. -0.06 min

Lab File: BF086112.D

Acq: 6 Apr 2016 21:58

Instrument :

BNA_F

ClientSampleId :

SB02

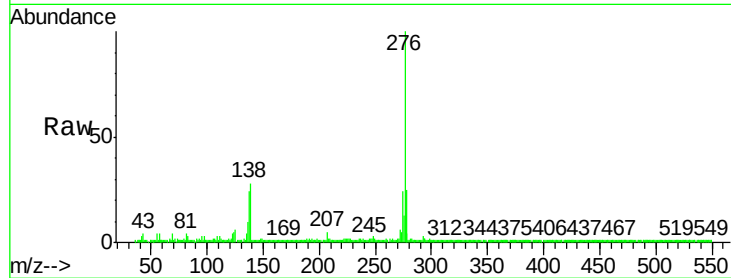
Tgt Ion: 276 Resp: 171245

Ion Ratio Lower Upper

276 100

277 24.7 18.8 28.2

138 28.2 22.6 34.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

