

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087077.D
 Acq On : 16 May 2016 13:14
 Operator : UM/SJ
 Sample : H3057-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)

Quant Time: May 17 00:51:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	464826	20.00	ng	0.07
21) Naphthalene-d8	7.90	136	634431	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	265367	20.00	ng	-0.09
63) Phenanthrene-d10	11.13	188	382320	20.00	ng	-0.08
75) Chrysene-d12	13.78	240	265427	20.00	ng	-0.05
86) Perylene-d12	15.14	264	315586	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	947476	34.52	ng	-0.09
7) Phenol-d6	6.27	99	1244597	33.93	ng	-0.09
23) Nitrobenzene-d5	7.18	82	858209	67.92	ng	-0.09
41) 2,4,6-Tribromophenol	10.44	330	238110	84.76	ng	-0.08
44) 2-Fluorobiphenyl	8.97	172	1100881	69.72	ng	-0.09
78) Terphenyl-d14	12.71	244	715431	57.19	ng	-0.09

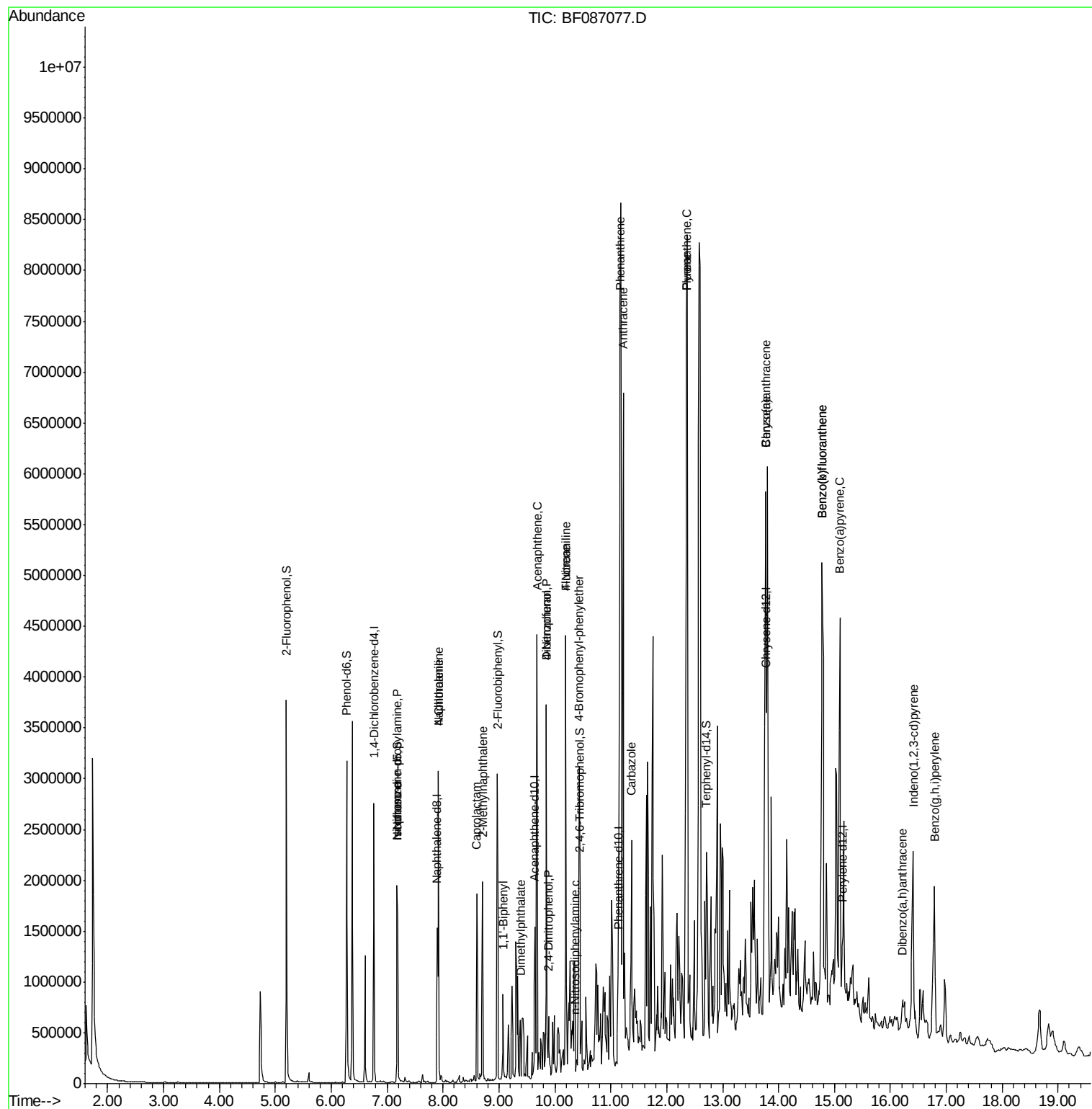
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	119655	4.67	ng	# 70
25) Isophorone	7.18	82	809845	34.55	ng	# 68
31) Naphthalene	7.92	128	1276287	40.16	ng	# 99
33) 4-Chloroaniline	7.92	127	174603	14.14	ng	# 35
35) Caprolactam	8.60	113	12817	4.40	ng	# 1
37) 2-Methylnaphthalene	8.71	142	506059	27.24	ng	# 95
45) 1,1'-Biphenyl	9.07	154	245337	11.62	ng	# 98
49) Dimethylphthalate	9.38	163	269218	13.30	ng	# 99
51) Acenaphthene	9.68	154	896445	59.25	ng	# 98
53) 2,4-Dinitrophenol	9.88	184	552	7.92	ng	# 1
54) Dibenzofuran	9.85	168	1133632	58.37	ng	# 92
55) 4-Nitrophenol	9.85	139	477857	155.22	ng	# 16
57) Fluorene	10.19	166	1178660	71.16	ng	# 99
60) 4-Chlorophenyl-phenylether	10.02	204	538	Below Cal		# 1
61) 4-Nitroaniline	10.19	138	15835	3.68	ng	# 32
65) n-Nitrosodiphenylamine	10.36	169	36211	3.08	ng	# 52
66) 4-Bromophenyl-phenylether	10.43	248	14336	3.70	ng	# 1
70) Phenanthrene	11.18	178	7456264	365.45	ng	# 95
71) Anthracene	11.22	178	2915210	139.71	ng	# 97
72) Carbazole	11.37	167	832774	46.43	ng	# 99
74) Fluoranthene	12.37	202	6749928	321.66	ng	# 95
77) Pyrene	12.37	202	6750168	332.18	ng	# 96
80) Benzo(a)anthracene	13.77	228	3624208	243.23	ng	# 97
82) Chrysene	13.77	228	3624208	239.11	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.41	276	1464411	116.12	ng	# 90
87) Benzo(b)fluoranthene	14.78	252	4458679	217.39	ng	# 95
88) Benzo(k)fluoranthene	14.78	252	4458679	265.49	ng	# 97
89) Benzo(a)pyrene	15.10	252	2484707	140.45	ng	# 95
90) Dibenzo(a,h)anthracene	16.22	278	217604	14.59	ng	# 94
91) Benzo(g,h,i)perylene	16.79	276	1311545	86.57	ng	# 92

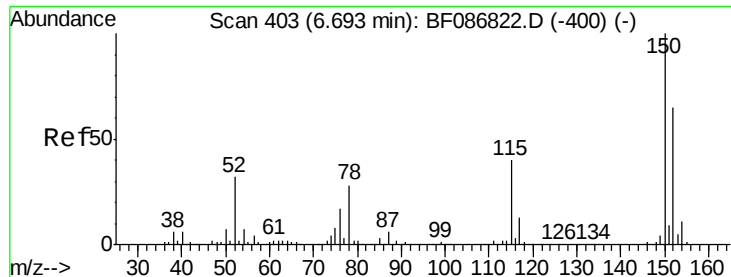
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087077.D
Acq On : 16 May 2016 13:14
Operator : UM/SJ
Sample : H3057-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)

Quant Time: May 17 00:51:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration



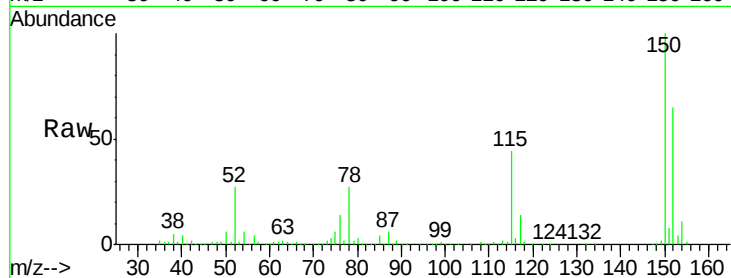


#1

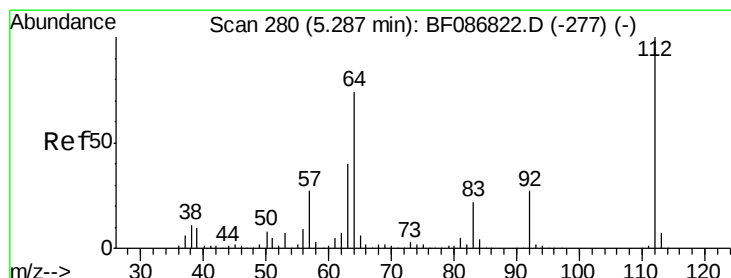
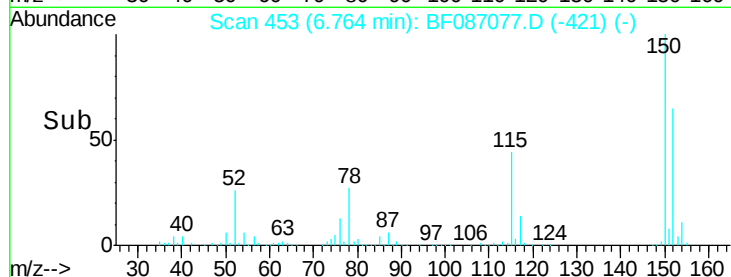
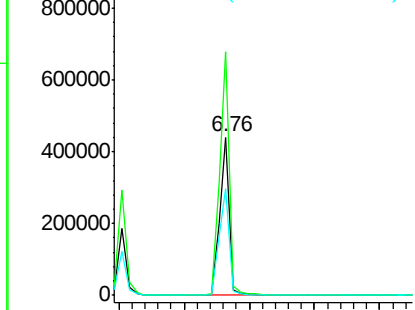
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 453
Delta R.T. 0.07 min
Lab File: BF087077.D
Acq: 16 May 2016 13:14

Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)

Tgt Ion:152 Resp: 464826
Ion Ratio Lower Upper
152 100
150 153.8 125.8 188.6
115 67.3 51.5 77.3



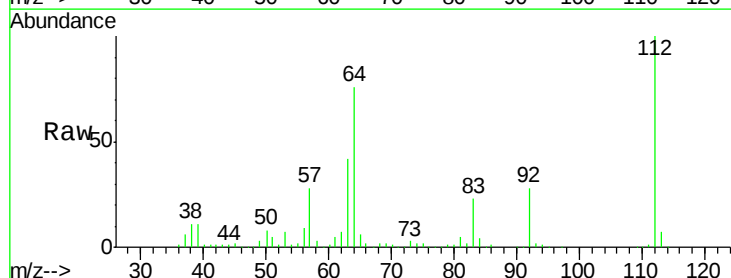
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



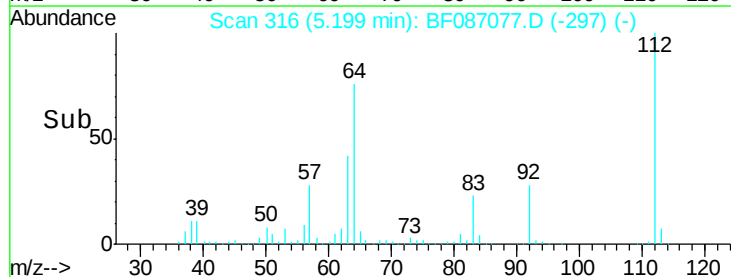
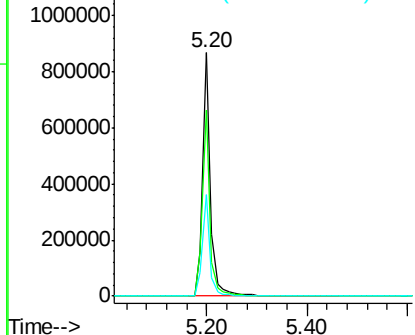
#5

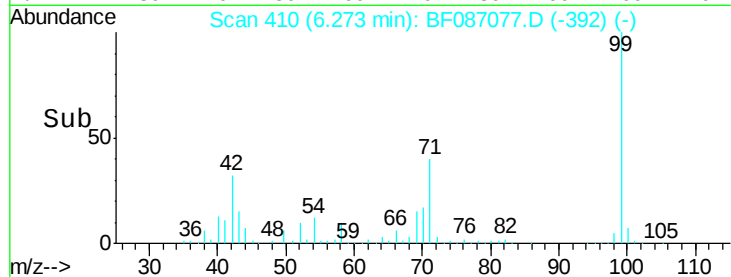
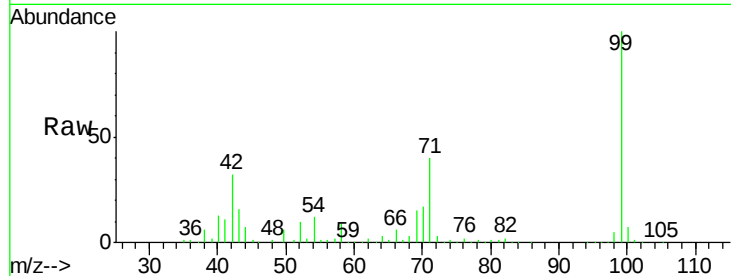
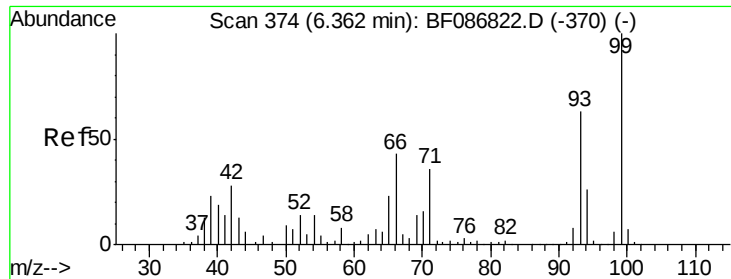
2-Fluorophenol
Concen: 34.52 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.09 min
Lab File: BF087077.D
Acq: 16 May 2016 13:14

Tgt Ion:112 Resp: 947476
Ion Ratio Lower Upper
112 100
64 76.4 52.1 78.1
63 41.6 25.7 38.5#



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: 33.93 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

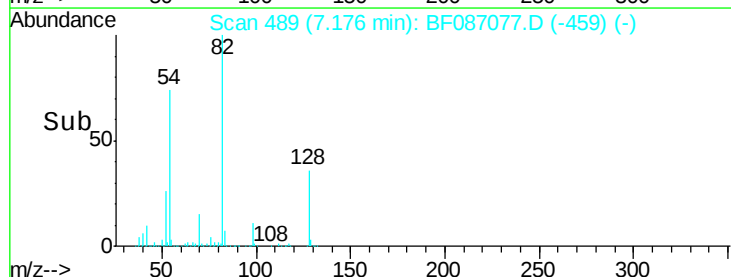
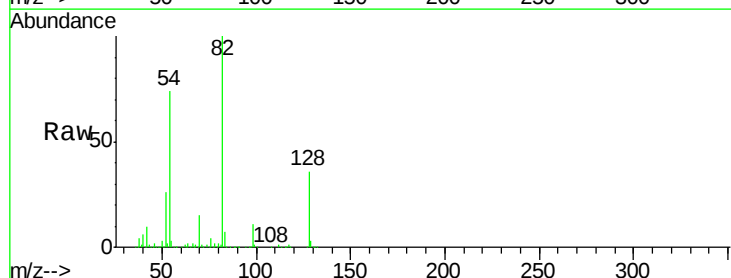
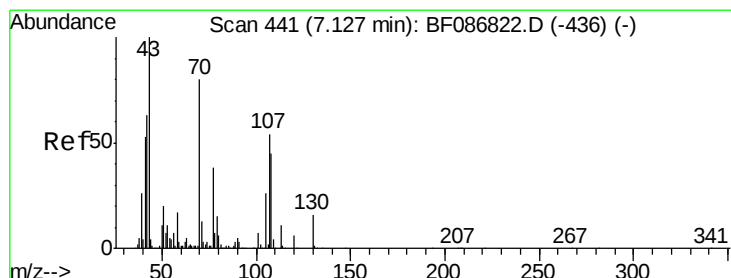
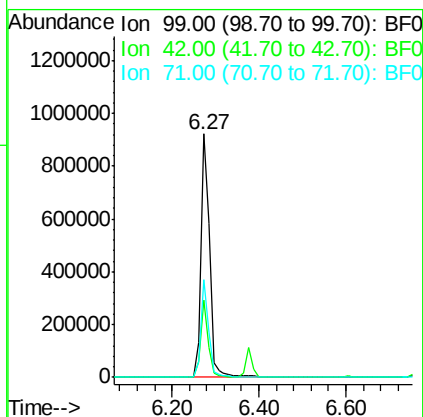
Tgt Ion: 99 Resp: 1244597

Ion Ratio Lower Upper

99 100

42 31.8 13.6 20.4#

71 40.3 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 4.67 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Tgt Ion: 70 Resp: 119655

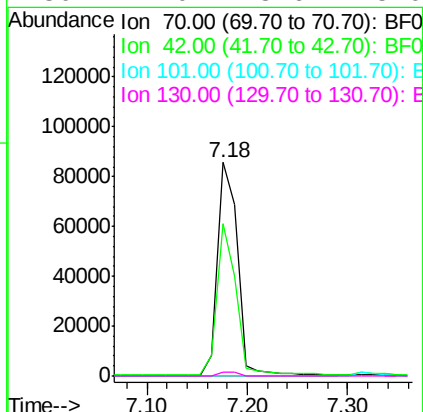
Ion Ratio Lower Upper

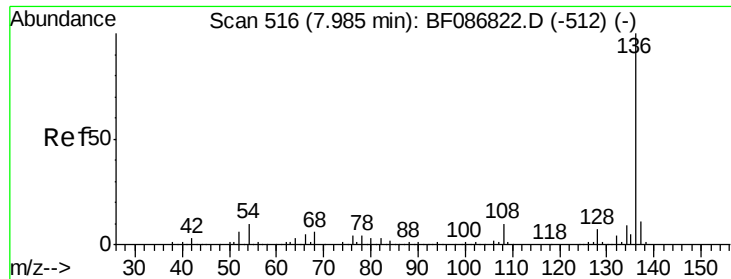
70 100

42 71.5 43.1 64.7#

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#

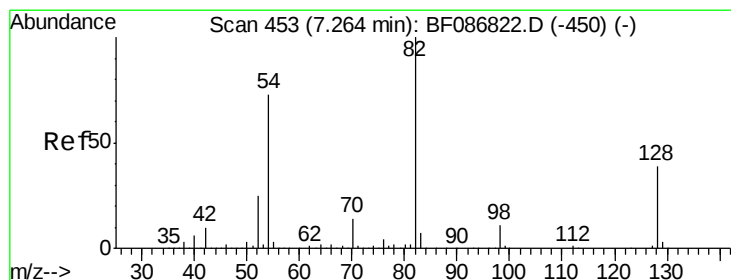
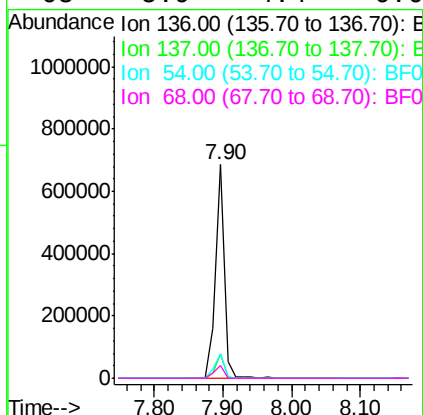
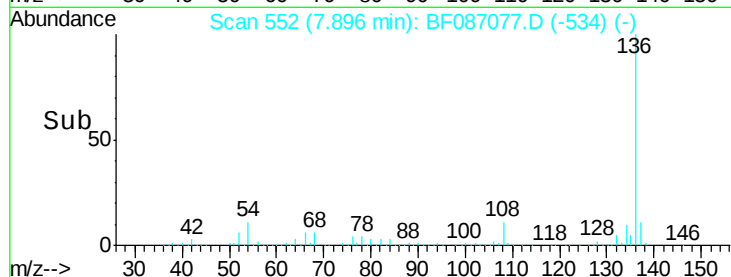
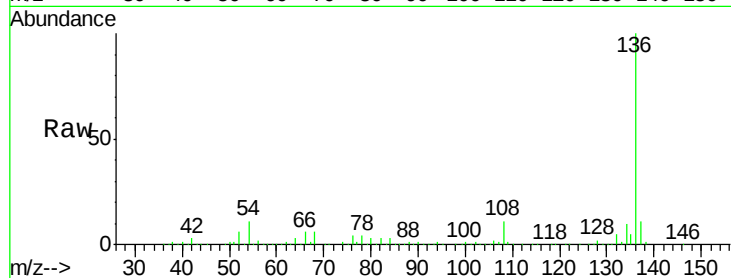




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087077.D
Acq: 16 May 2016 13:14

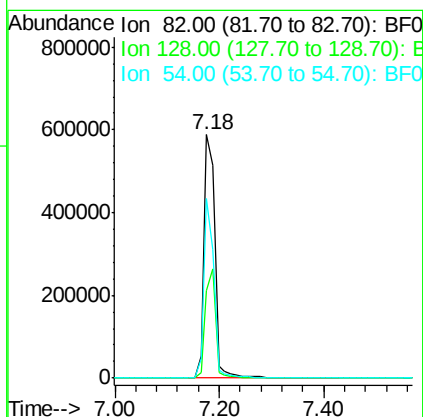
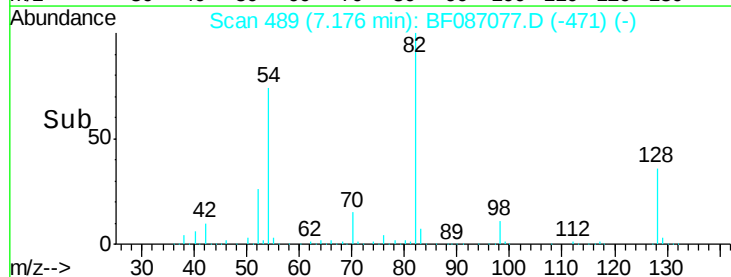
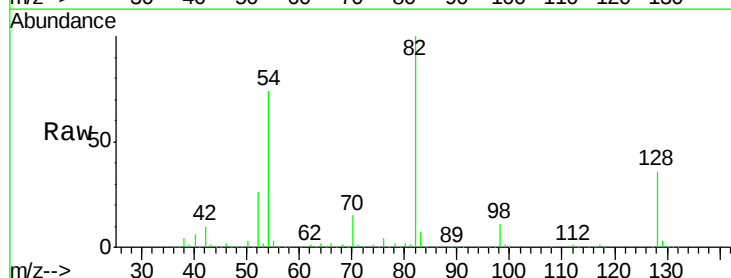
Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)

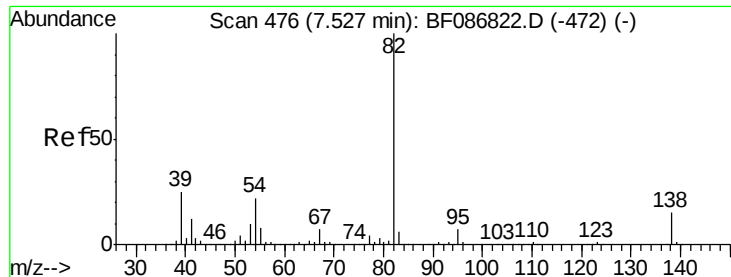
Tgt Ion:	136	Resp:	634431
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	11.2	5.0	7.4#
68	5.9	4.4	6.6



#23
Nitrobenzene-d5
Concen: 67.92 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087077.D
Acq: 16 May 2016 13:14

Tgt Ion:	82	Resp:	858209
Ion	Ratio	Lower	Upper
82	100		
128	36.0	40.6	61.0#
54	73.9	38.1	57.1#





#25

Isophorone

Concen: 34.55 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.35 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

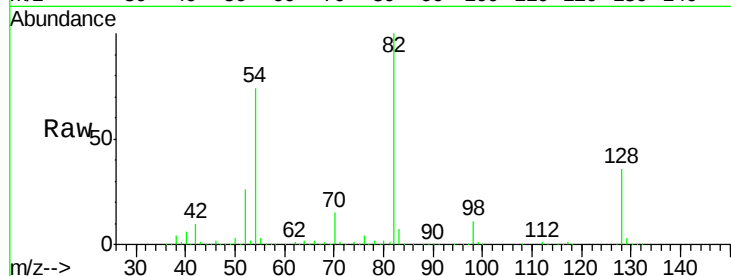
Tgt Ion: 82 Resp: 809845

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

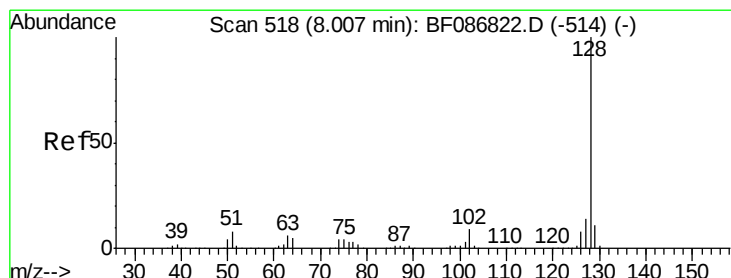
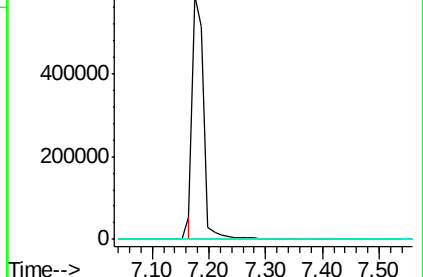
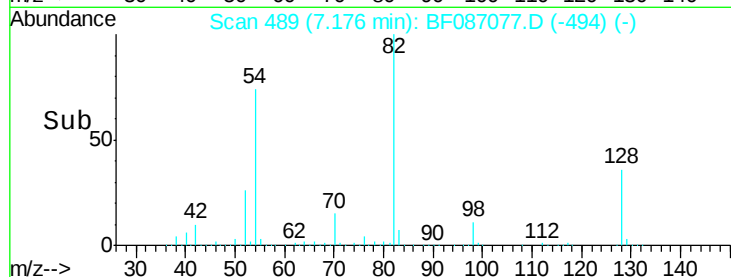
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF086822.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF086822.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF086822.D (-472) (-)



#31

Naphthalene

Concen: 40.16 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

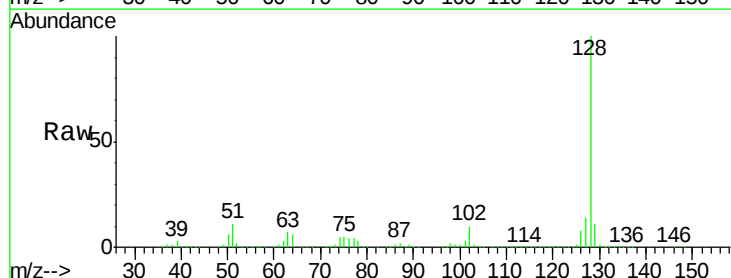
Tgt Ion: 128 Resp: 1276287

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

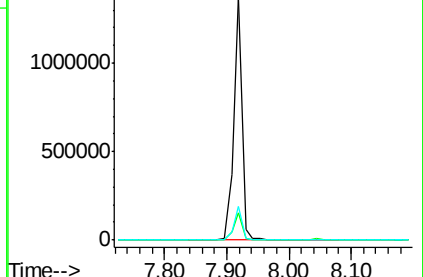
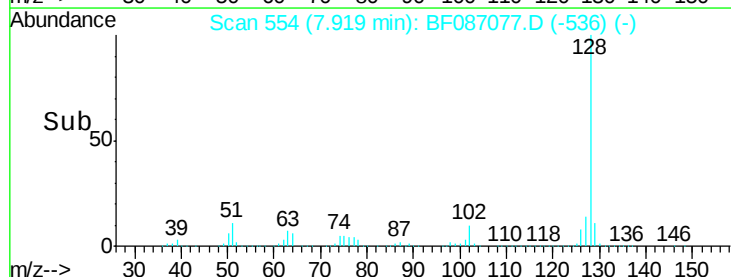
127 13.9 10.8 16.2

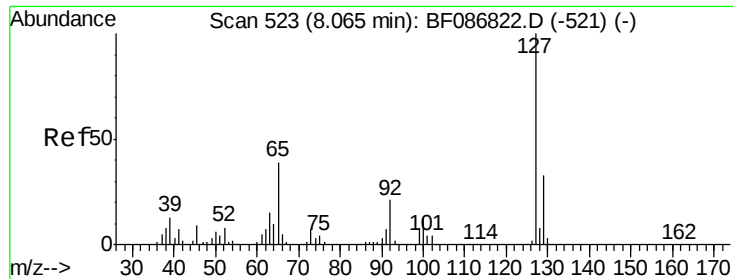


Abundance Ion 128.00 (127.70 to 128.70): BF086822.D (-514) (-)

Ion 129.00 (128.70 to 129.70): BF086822.D (-514) (-)

Ion 127.00 (126.70 to 127.70): BF086822.D (-514) (-)

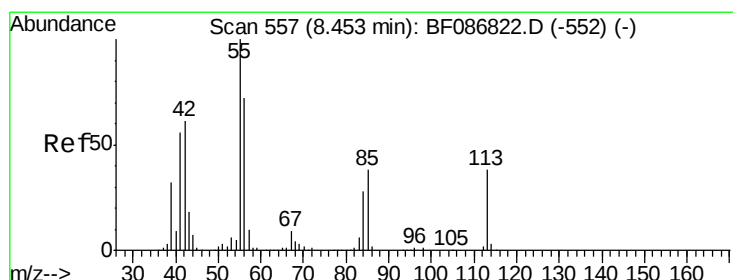
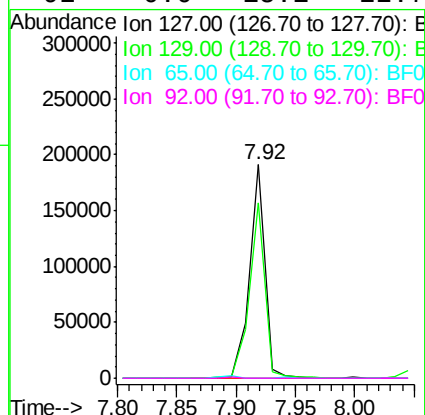
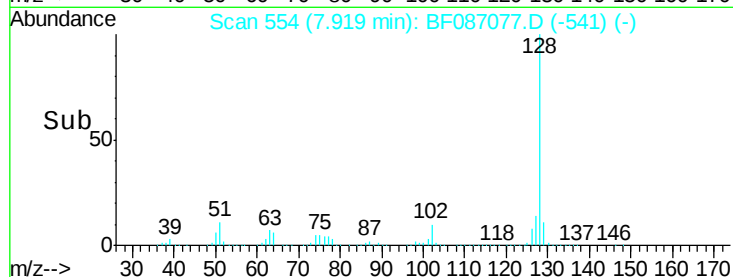
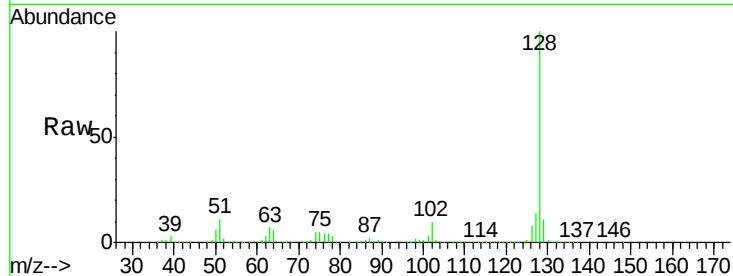




#33
 4-Chloroaniline
 Concen: 14.14 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.15 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

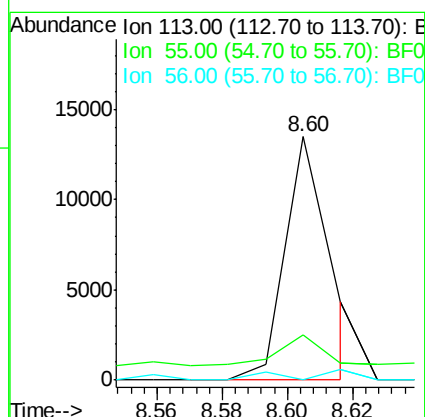
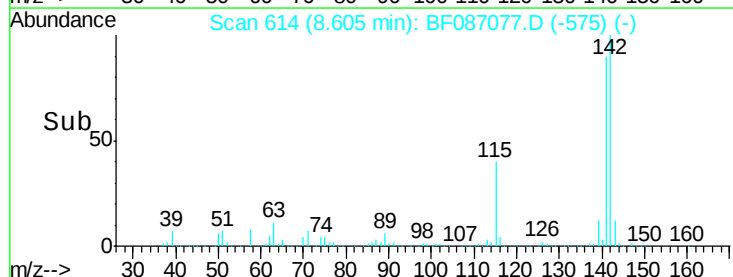
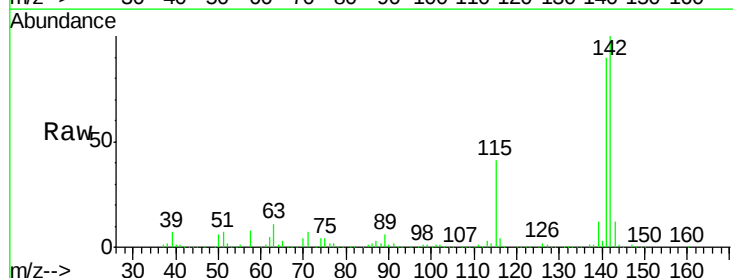
Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)

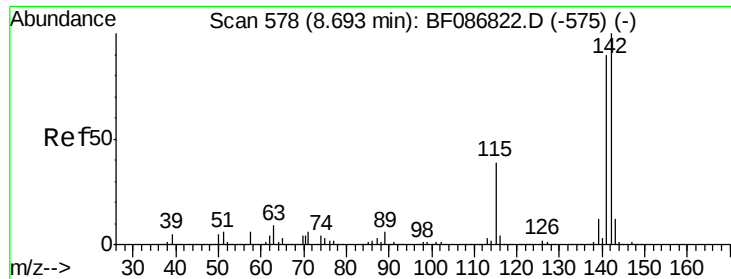
Tgt Ion:	127	Resp:	174603
Ion	Ratio	Lower	Upper
127	100		
129	82.2	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



#35
 Caprolactam
 Concen: 4.40 ng
 RT: 8.60 min Scan# 614
 Delta R.T. 0.15 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

Tgt Ion:	113	Resp:	12817
Ion	Ratio	Lower	Upper
113	100		
55	18.4	162.0	202.0#
56	0.0	115.3	155.3#

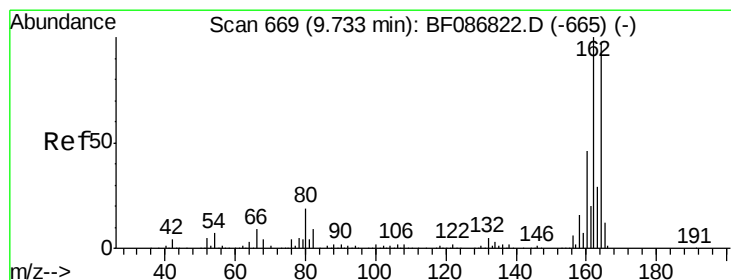
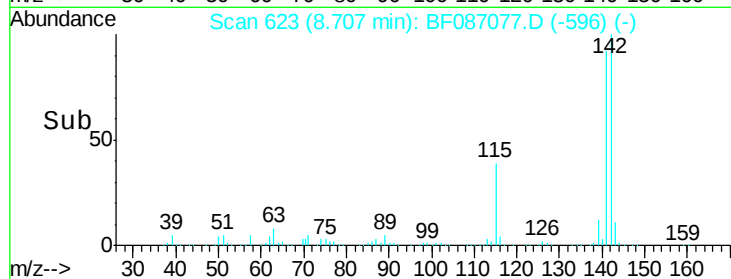
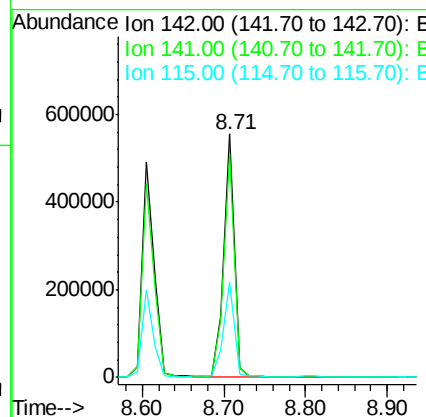
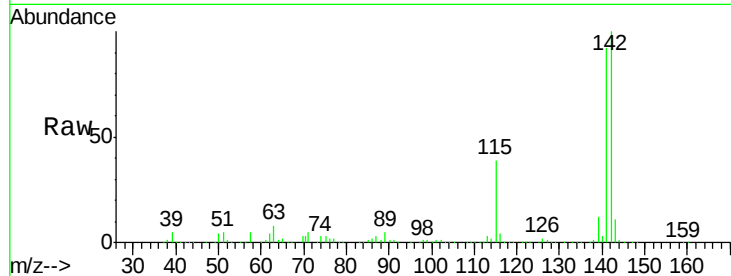




#37
 2-Methylnaphthalene
 Concen: 27.24 ng
 RT: 8.71 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

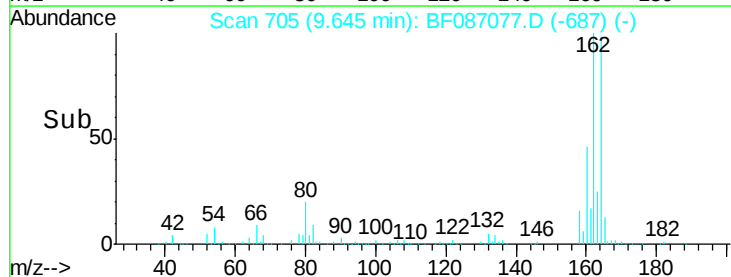
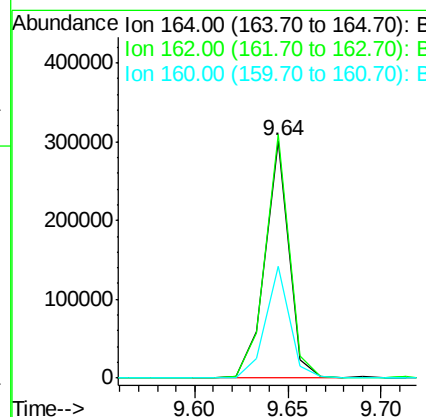
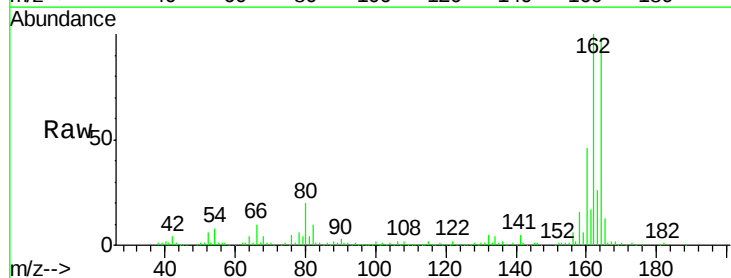
Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)

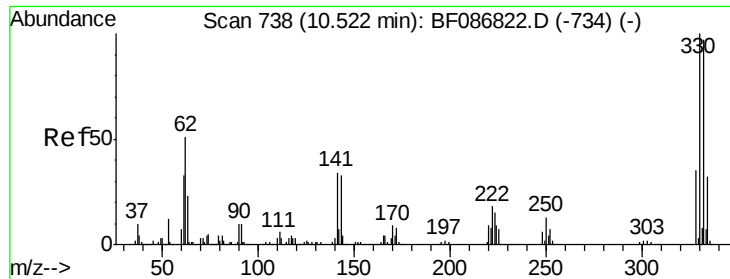
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.0	106.6
115	39.1	26.6	39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.09 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.8	124.2
160	47.1	36.9	55.3

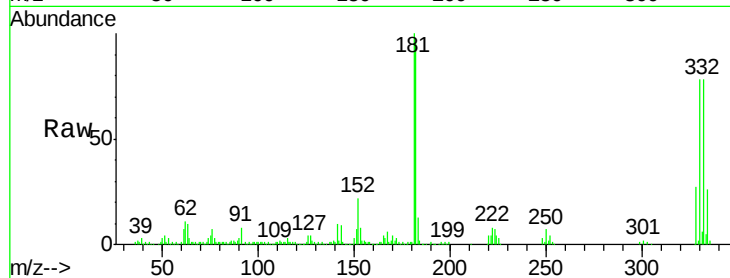




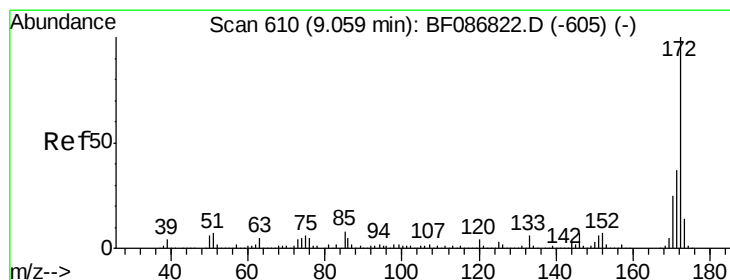
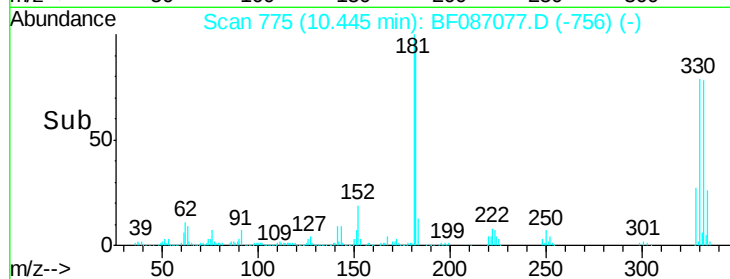
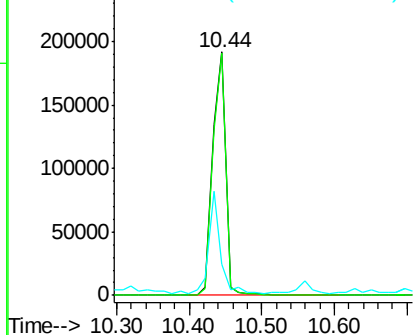
#41
 2,4,6-Tribromophenol
 Concen: 84.76 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	79.0	118.4
141	38.2	31.2	46.8

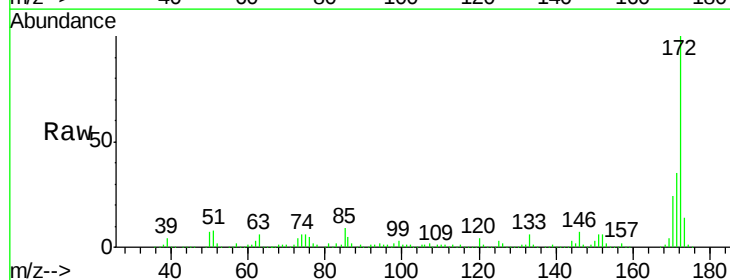


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

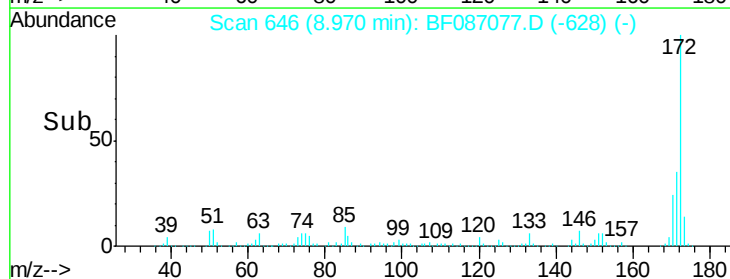
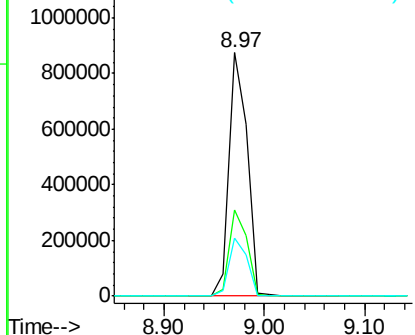


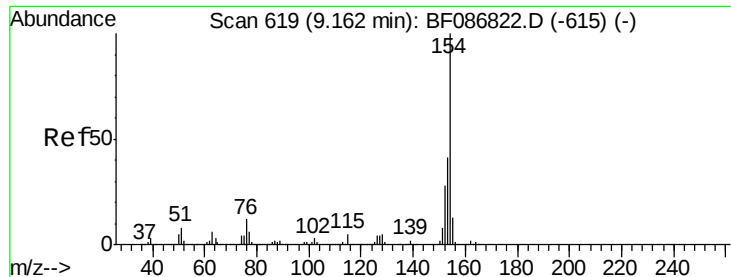
#44
 2-Fluorobiphenyl
 Concen: 69.72 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	24.0	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

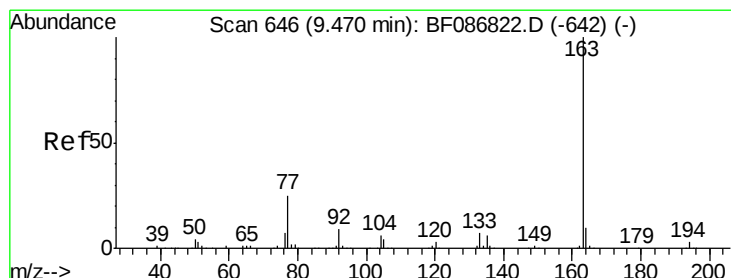
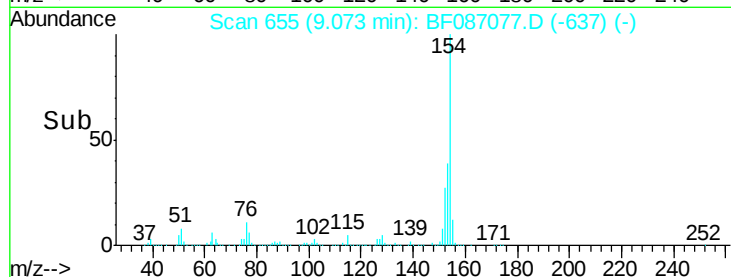
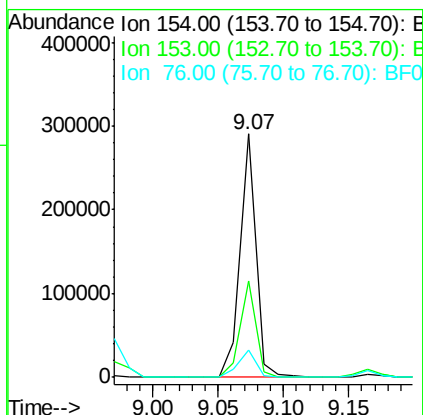
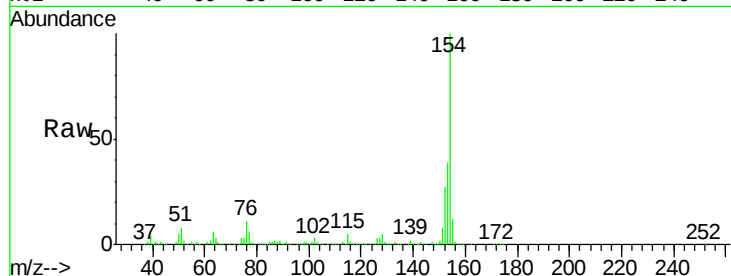




#45
 1,1'-Biphenyl
 Concen: 11.62 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.09 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

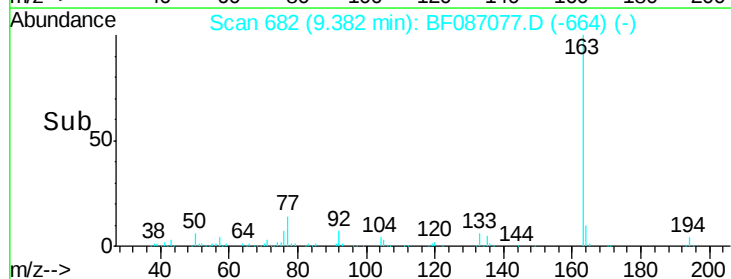
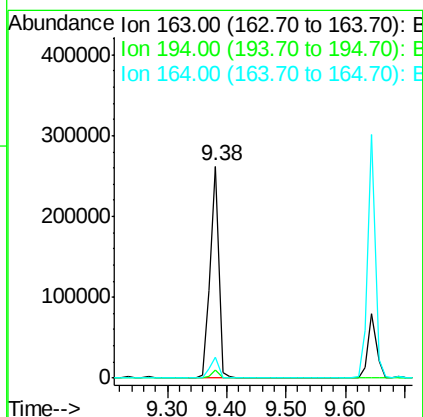
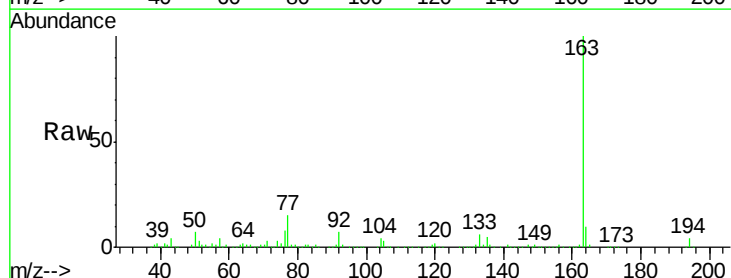
Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)

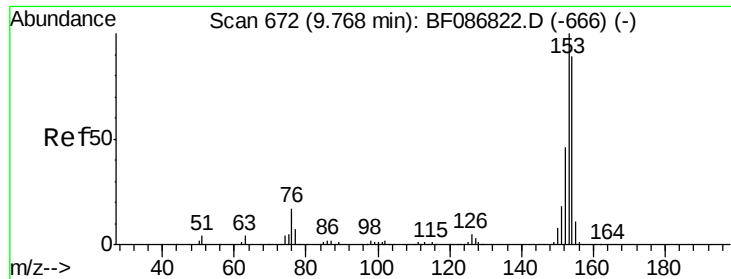
Tgt Ion:	154	Resp:	245337
Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.3	60.3
76	11.3	0.0	30.2



#49
 Dimethylphthalate
 Concen: 13.30 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.09 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

Tgt Ion:	163	Resp:	269218
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.0	8.2	12.4





#51

Acenaphthene

Concen: 59.25 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

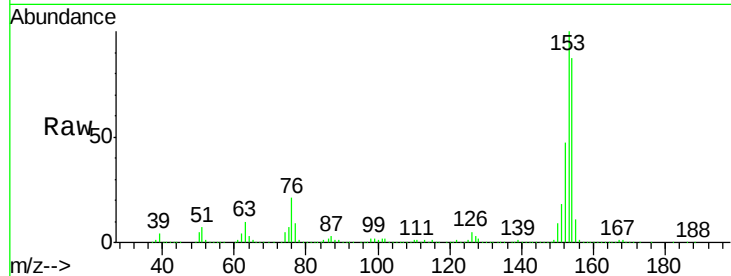
Tgt Ion:154 Resp: 896445

Ion Ratio Lower Upper

154 100

153 114.6 89.8 134.6

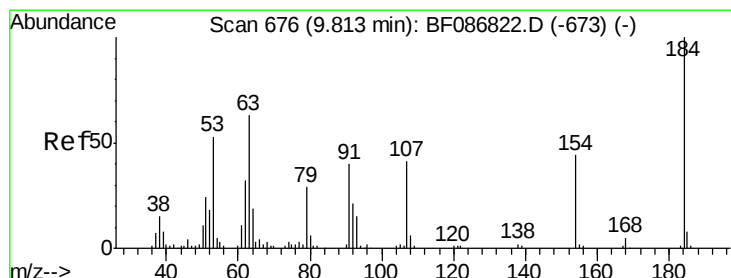
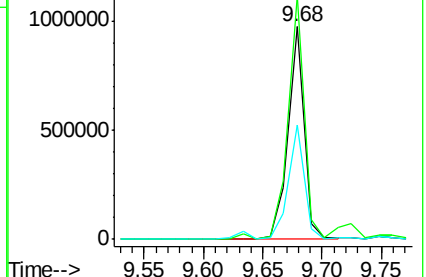
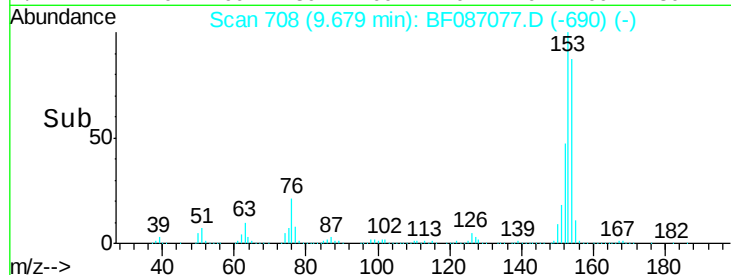
152 53.5 43.4 65.0



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: 7.92 ng

RT: 9.88 min Scan# 726

Delta R.T. 0.07 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

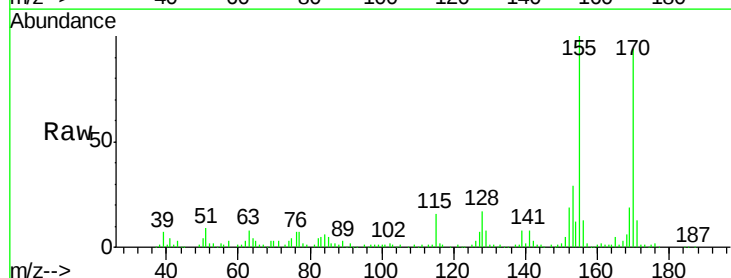
Tgt Ion:184 Resp: 552

Ion Ratio Lower Upper

184 100

63 2005.2 55.8 83.8#

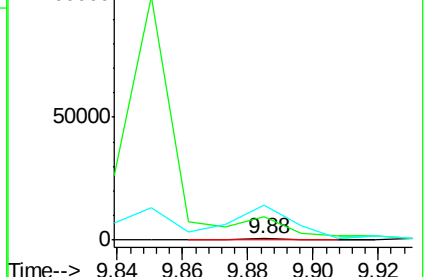
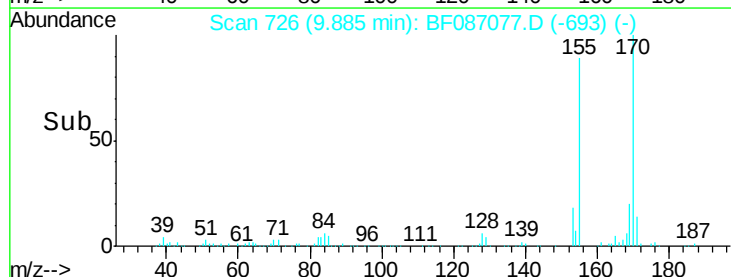
154 2934.4 62.4 93.6#

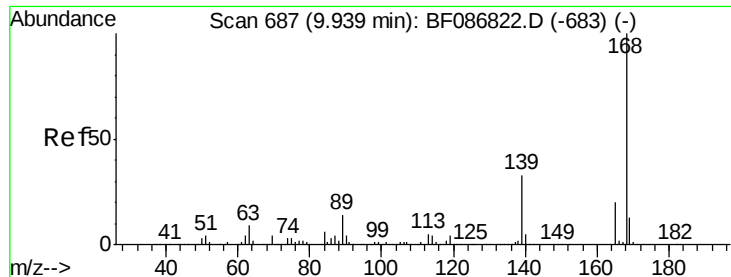


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

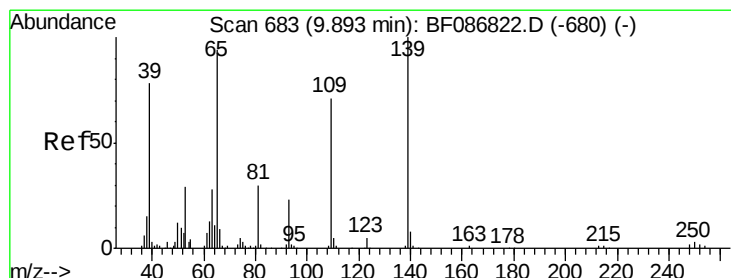
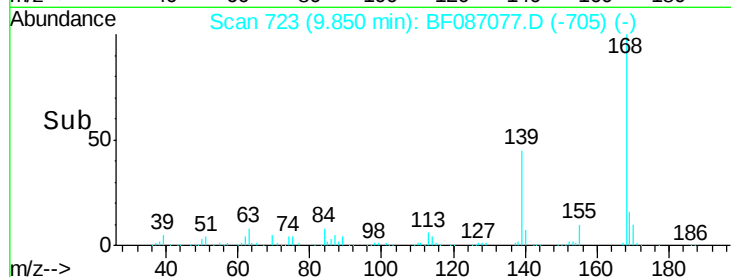
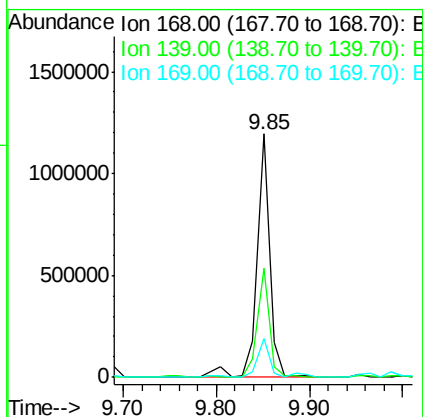
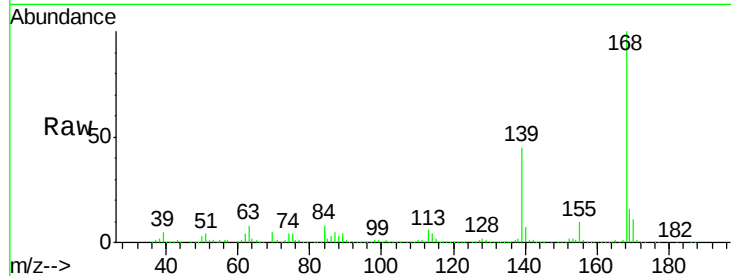




#54
Dibenzofuran
Concen: 58.37 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.09 min
Lab File: BF087077.D
Acq: 16 May 2016 13:14

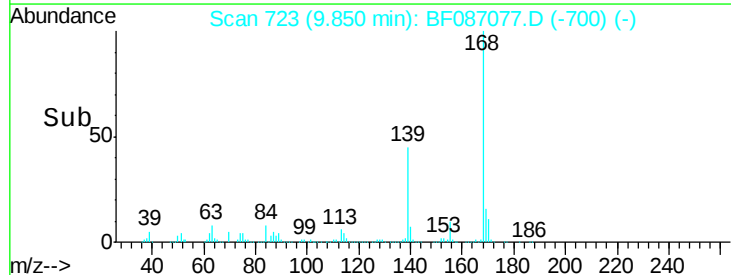
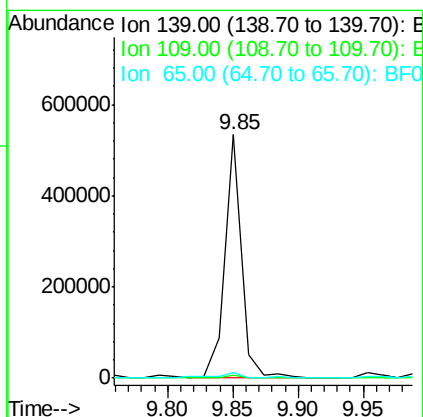
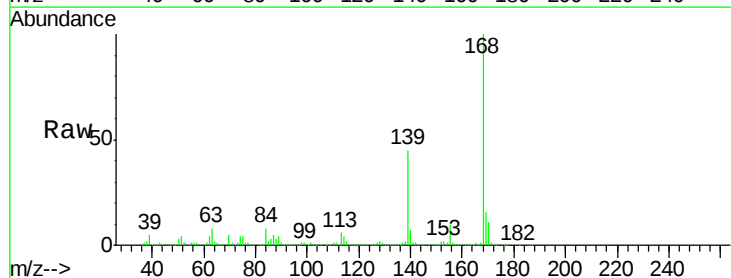
Instrument :
BNA_F
ClientSampleId :
E-10(8.5-9)

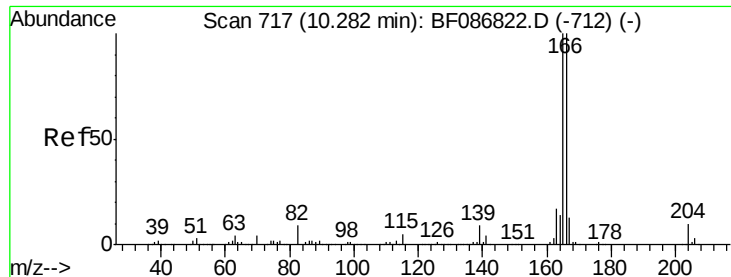
Tgt Ion:168 Resp: 1133632
Ion Ratio Lower Upper
168 100
139 44.7 31.4 47.0
169 16.0 10.7 16.1



#55
4-Nitrophenol
Concen: 155.22 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.04 min
Lab File: BF087077.D
Acq: 16 May 2016 13:14

Tgt Ion:139 Resp: 477857
Ion Ratio Lower Upper
139 100
109 1.0 36.9 76.9#
65 2.2 64.0 104.0#





#57

Fluorene

Concen: 71.16 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

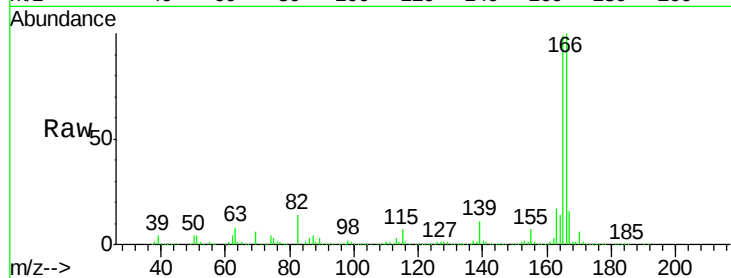
Tgt Ion:166 Resp: 1178660

Ion Ratio Lower Upper

166 100

165 98.9 79.0 118.6

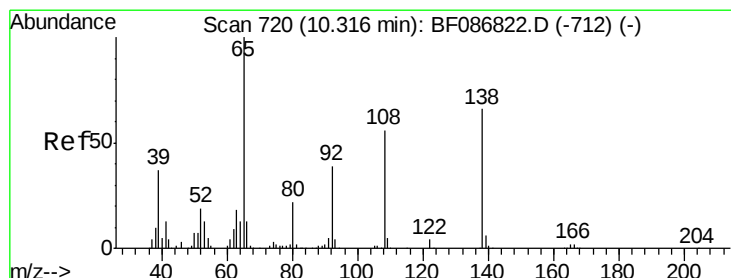
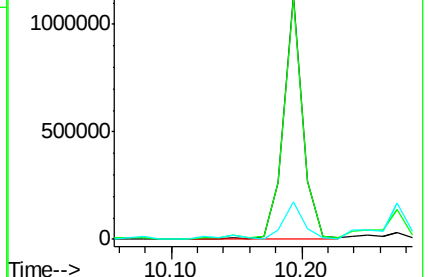
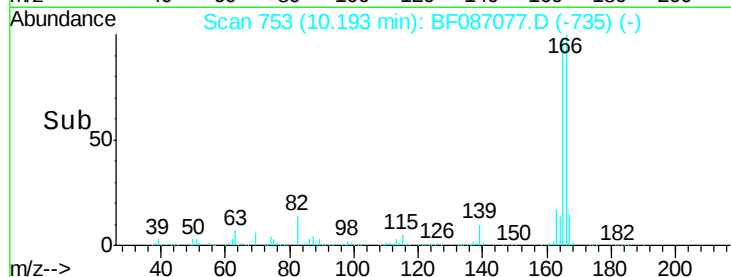
167 15.5 10.6 15.8



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: 3.68 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.12 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

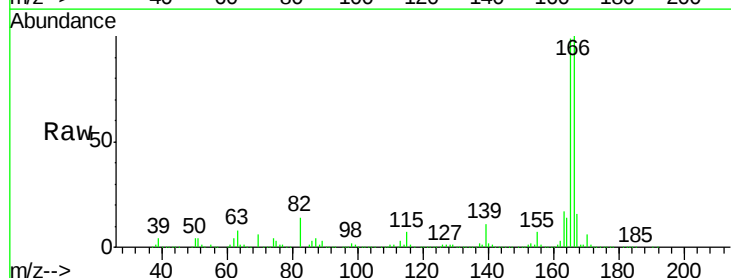
Tgt Ion:138 Resp: 15835

Ion Ratio Lower Upper

138 100

92 3.3 24.7 64.7#

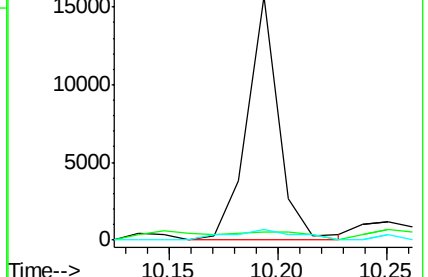
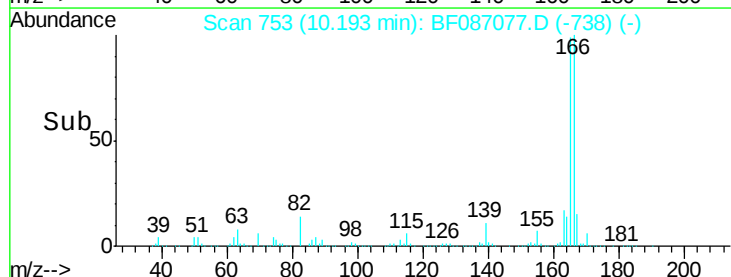
108 4.4 37.4 77.4#

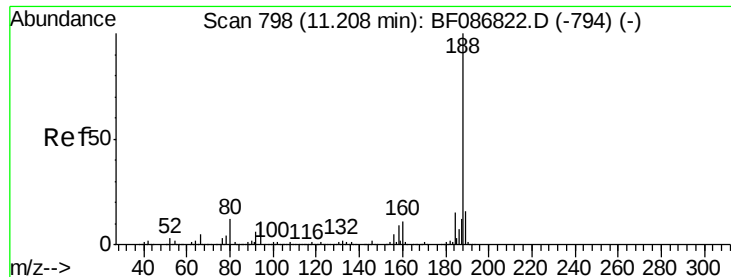


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

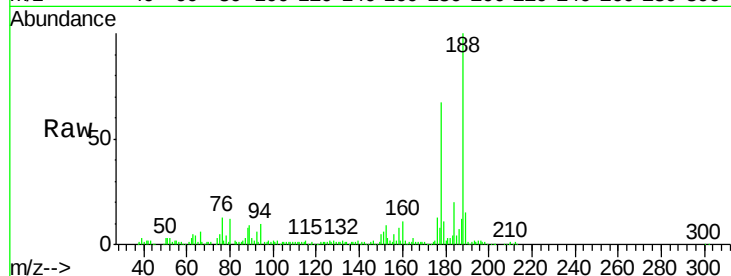
Tgt Ion:188 Resp: 382320

Ion Ratio Lower Upper

188 100

94 10.1 6.8 10.2

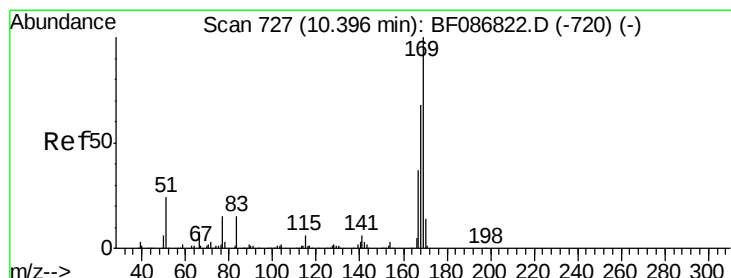
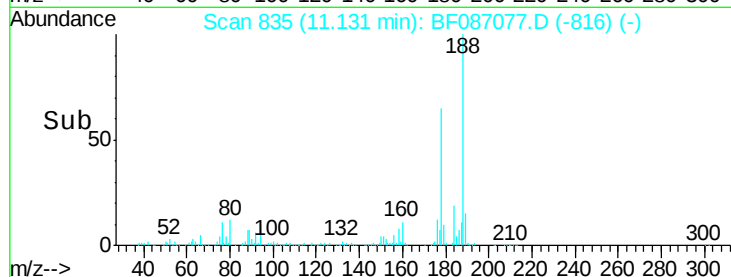
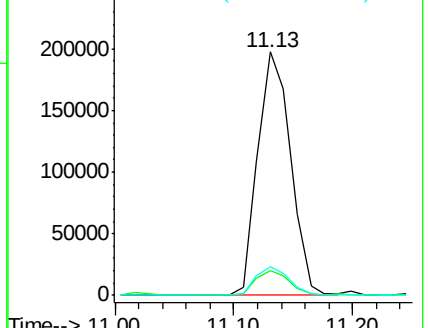
80 11.6 7.1 10.7#



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: 3.08 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.03 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

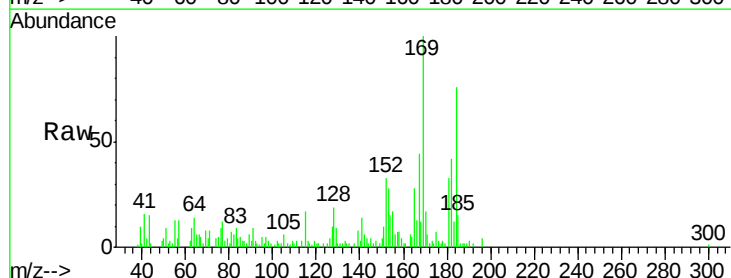
Tgt Ion:169 Resp: 36211

Ion Ratio Lower Upper

169 100

168 12.3 53.8 80.6#

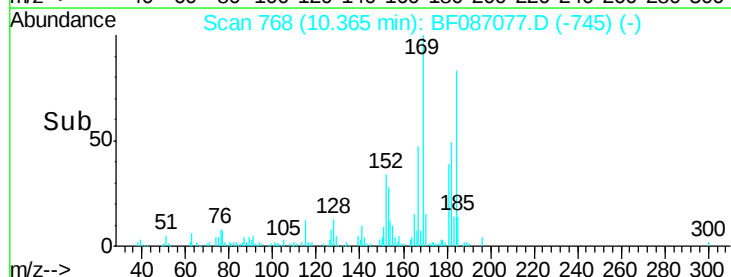
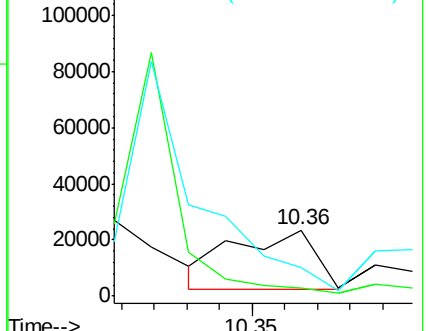
167 44.0 29.5 44.3

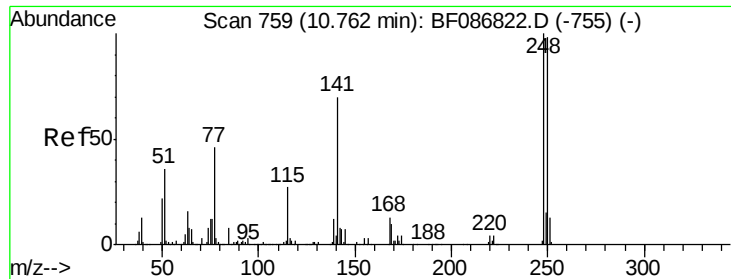


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

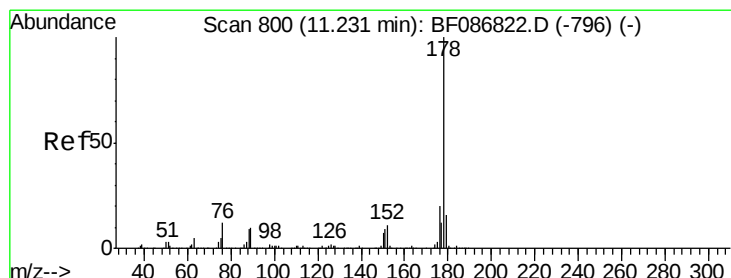
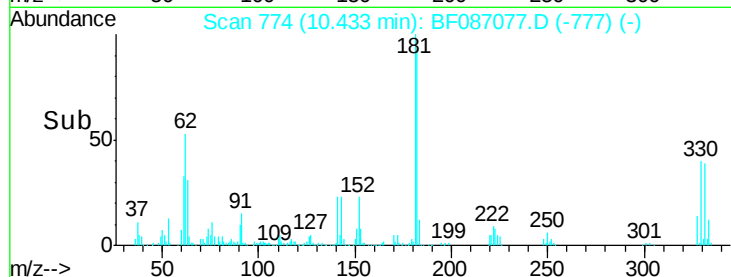
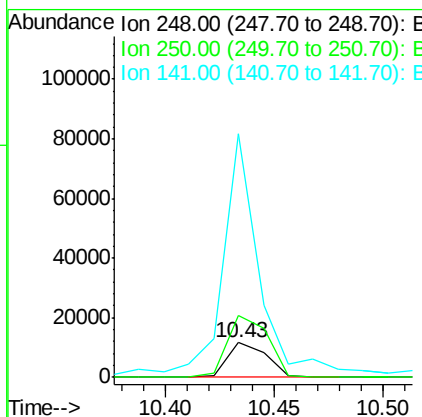
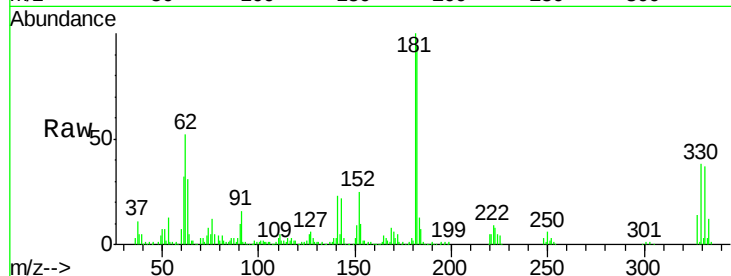




#66
 4-Bromophenyl-phenylether
 Concen: 3.70 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.33 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

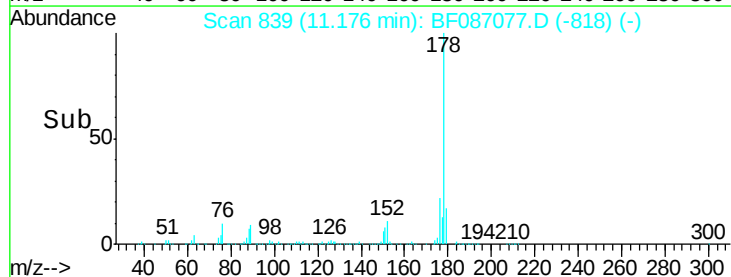
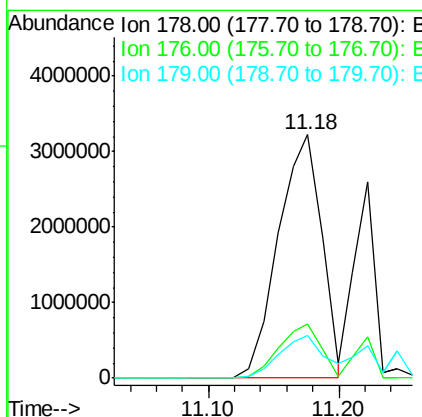
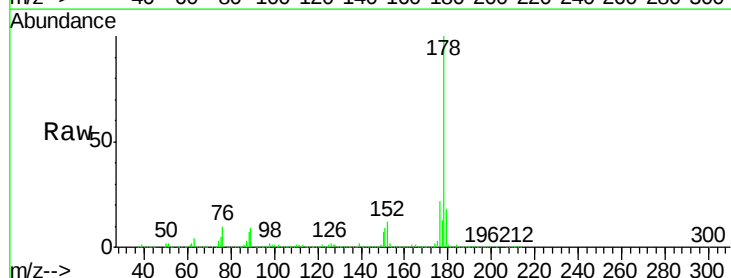
Instrument :
 BNA_F
 ClientSampleId :
 E-10(8.5-9)

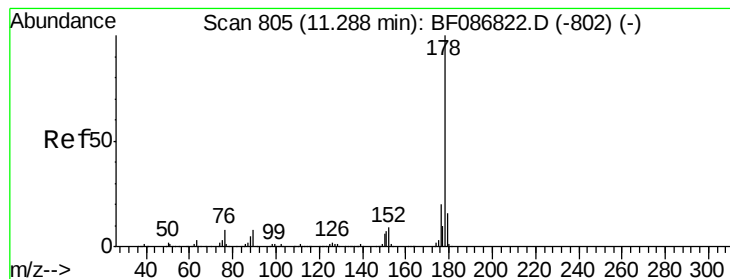
Tgt Ion:248 Resp: 14336
 Ion Ratio Lower Upper
 248 100
 250 180.9 78.6 117.8#
 141 705.1 76.0 114.0#



#70
 Phenanthrene
 Concen: 365.45 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.05 min
 Lab File: BF087077.D
 Acq: 16 May 2016 13:14

Tgt Ion:178 Resp: 7456264
 Ion Ratio Lower Upper
 178 100
 176 22.1 16.0 24.0
 179 17.6 12.6 18.8





#71

Anthracene

Concen: 139.71 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.07 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

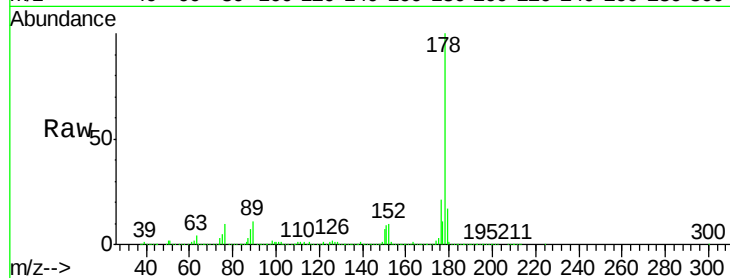
Tgt Ion:178 Resp: 2915210

Ion Ratio Lower Upper

178 100

176 20.8 15.6 23.4

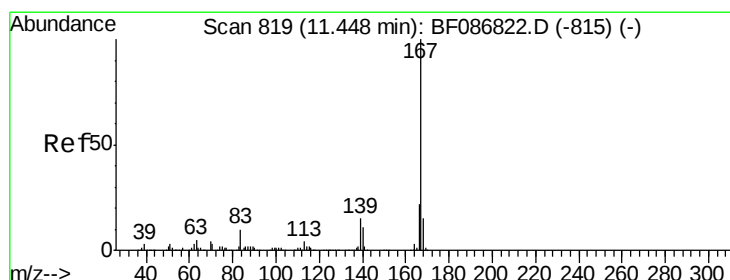
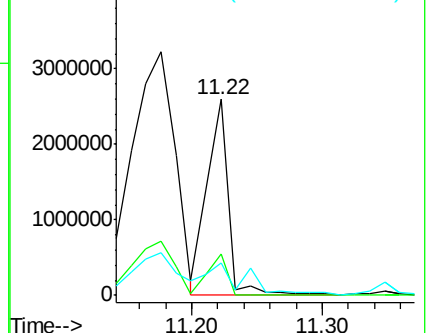
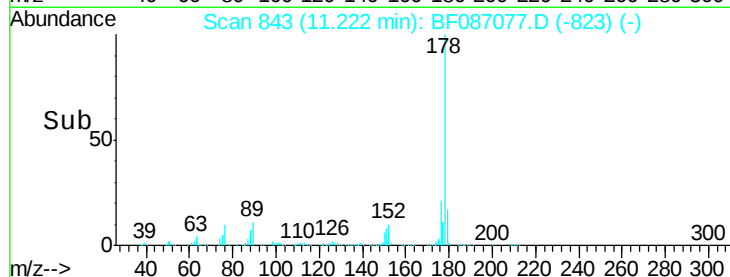
179 16.8 12.7 19.1



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



#72

Carbazole

Concen: 46.43 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.08 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

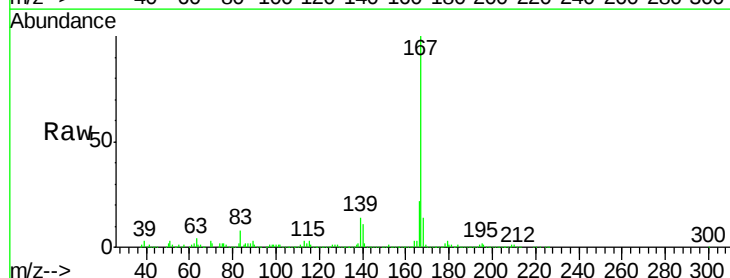
Tgt Ion:167 Resp: 832774

Ion Ratio Lower Upper

167 100

166 22.4 17.7 26.5

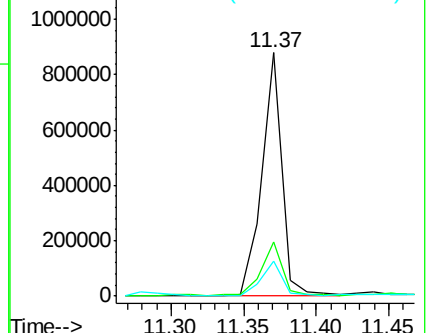
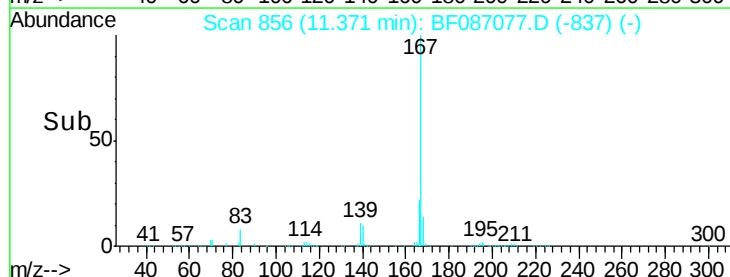
139 14.2 10.8 16.2

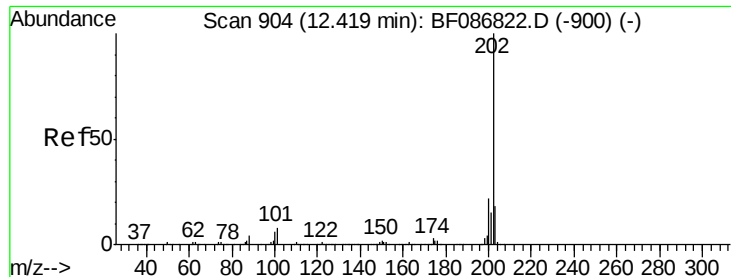


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 321.66 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

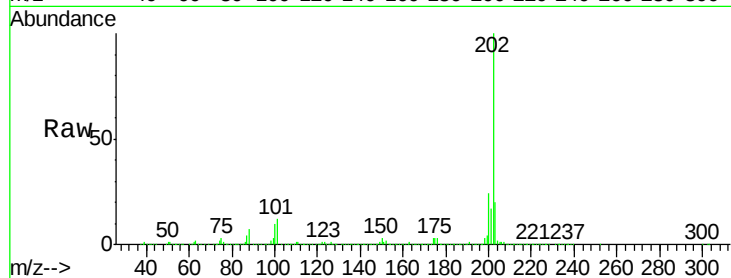
Tgt Ion:202 Resp: 6749928

Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.4

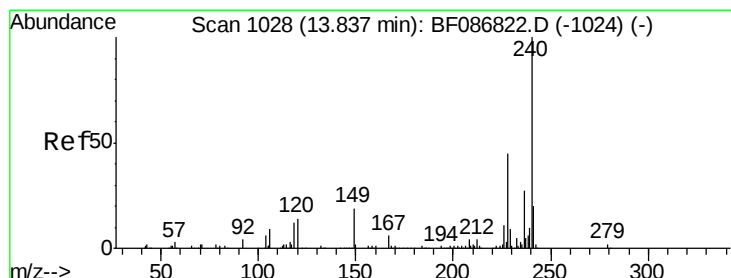
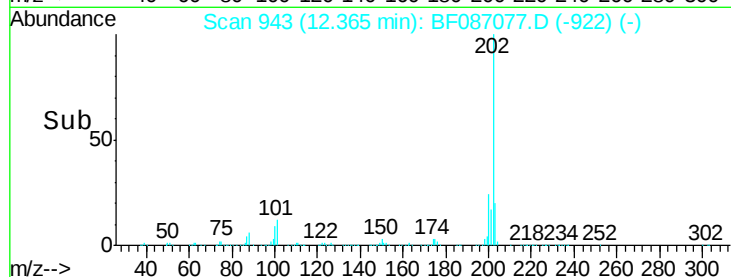
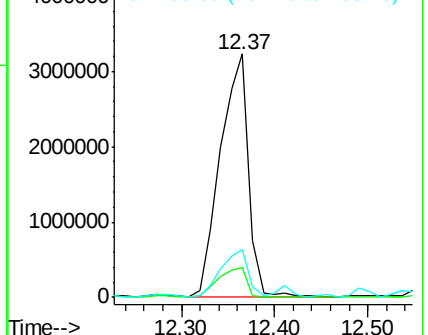
203 19.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.05 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

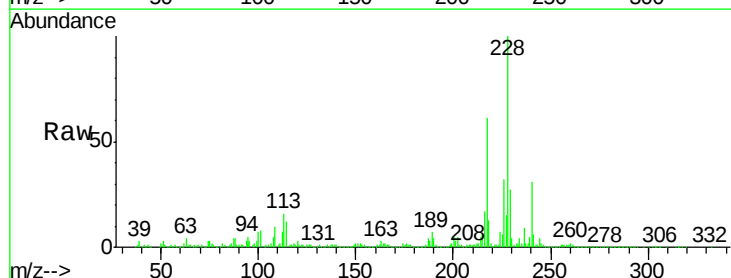
Tgt Ion:240 Resp: 265427

Ion Ratio Lower Upper

240 100

120 8.2 11.2 16.8#

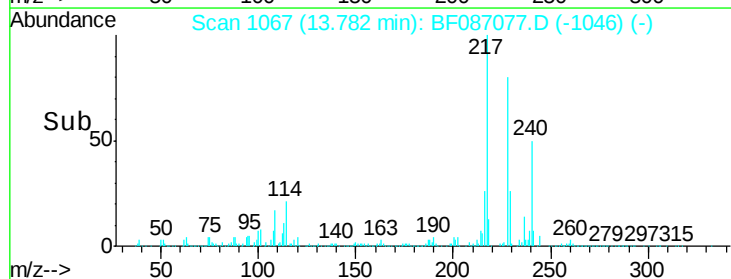
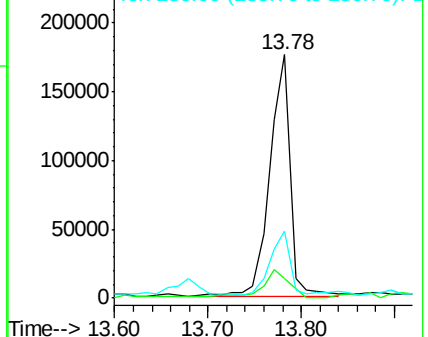
236 27.6 21.2 31.8

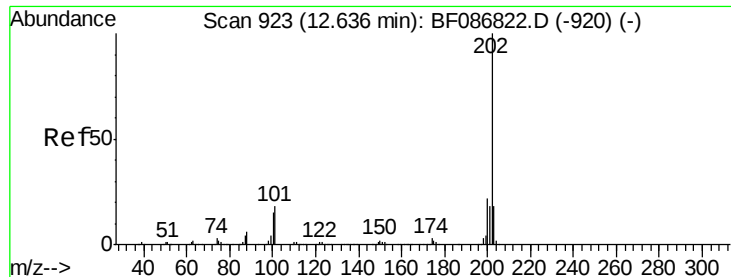


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 332.18 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.27 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

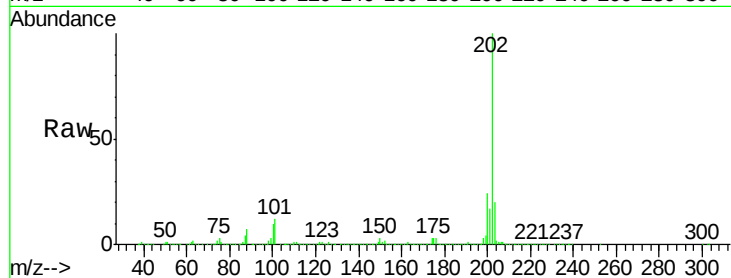
Tgt Ion:202 Resp: 6750168

Ion Ratio Lower Upper

202 100

200 23.7 17.7 26.5

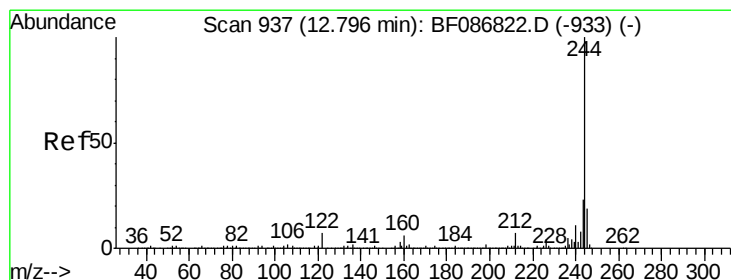
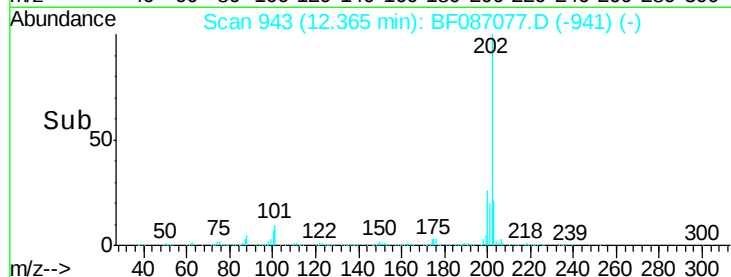
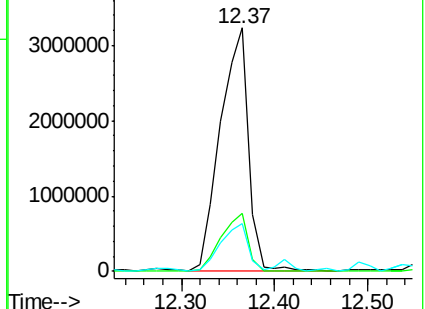
203 19.9 14.2 21.4



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: 57.19 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

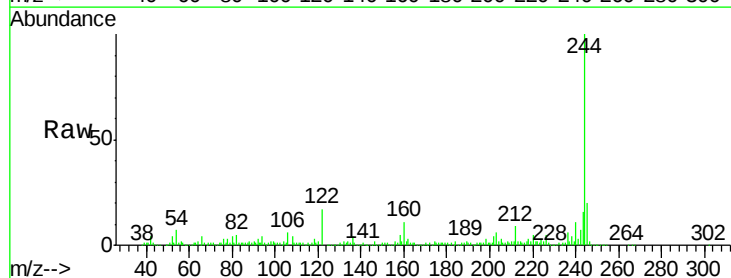
Tgt Ion:244 Resp: 715431

Ion Ratio Lower Upper

244 100

212 8.6 6.2 9.2

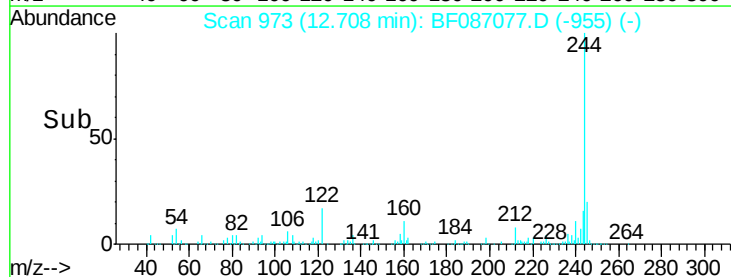
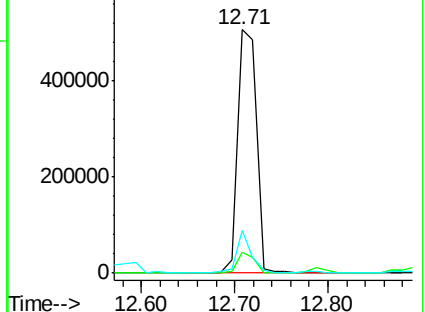
122 17.3 12.0 18.0

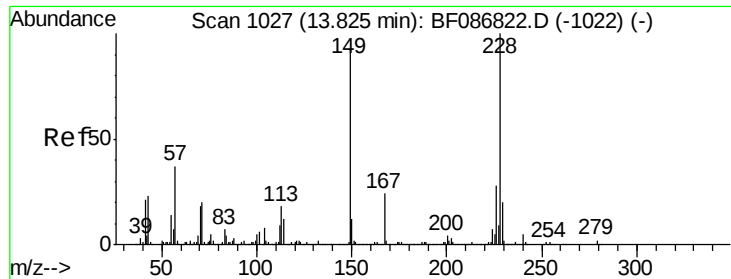


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 243.23 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.05 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

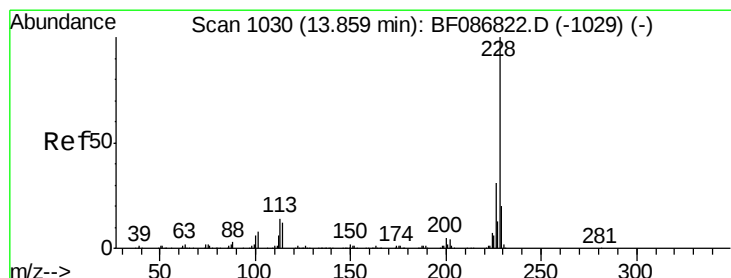
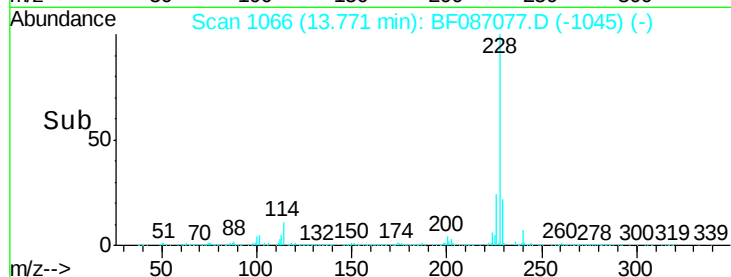
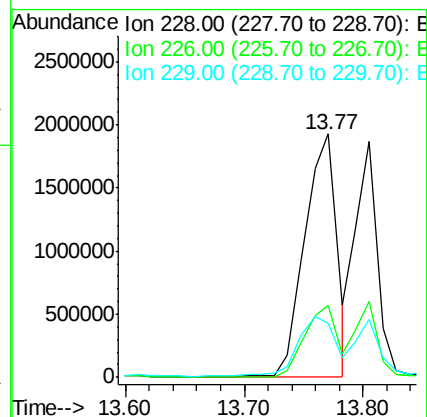
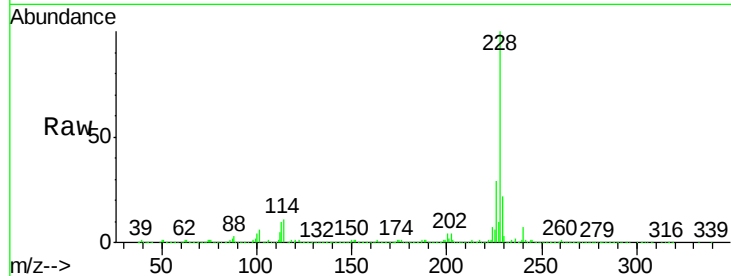
Tgt Ion:228 Resp: 3624208

Ion Ratio Lower Upper

228 100

226 29.4 22.5 33.7

229 22.3 16.6 25.0



#82

Chrysene

Concen: 239.11 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

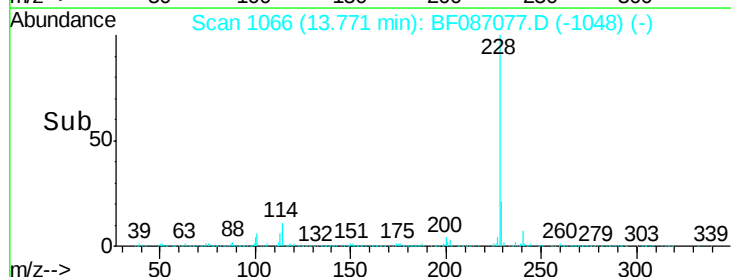
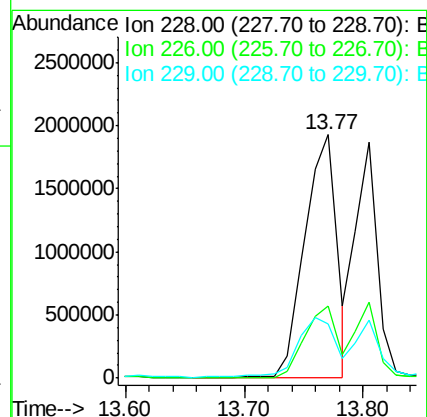
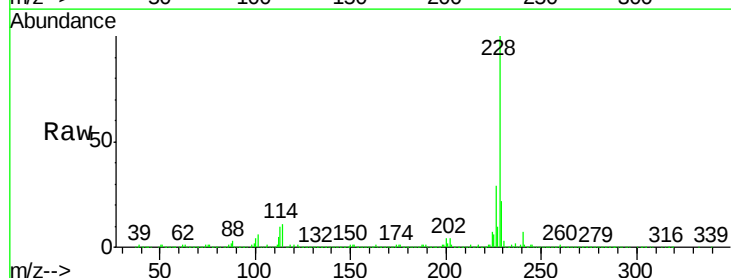
Tgt Ion:228 Resp: 3624208

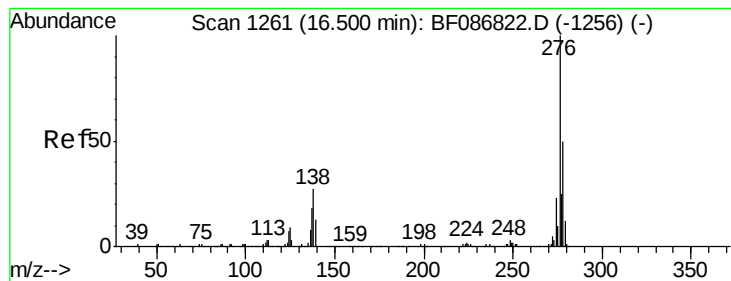
Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 22.3 15.8 23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 116.12 ng

RT: 16.41 min Scan# 1297

Delta R.T. -0.09 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

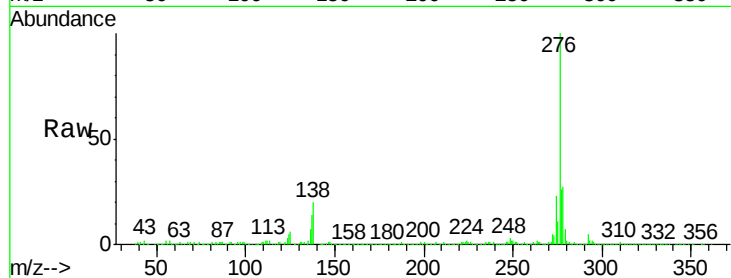
Tgt Ion:276 Resp: 1464411

Ion Ratio Lower Upper

276 100

138 24.2 25.6 38.4#

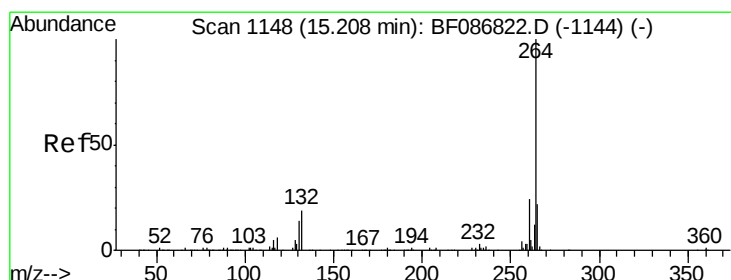
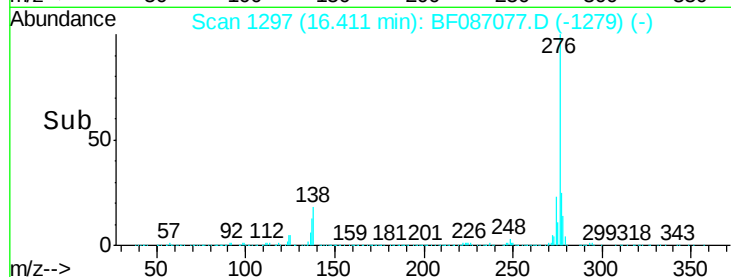
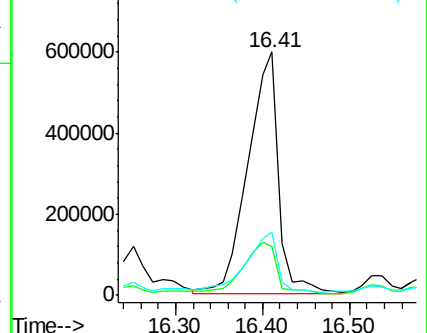
277 27.7 20.5 30.7



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: 15.14 min Scan# 1186

Delta R.T. -0.07 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

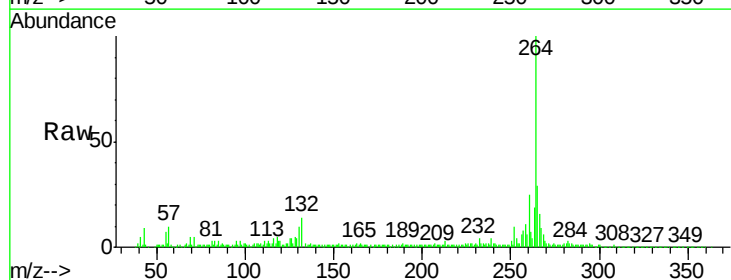
Tgt Ion:264 Resp: 315586

Ion Ratio Lower Upper

264 100

260 25.5 19.5 29.3

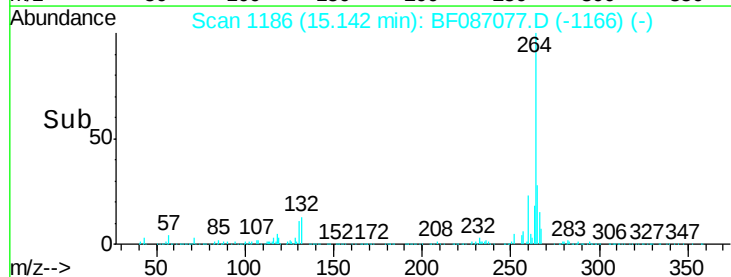
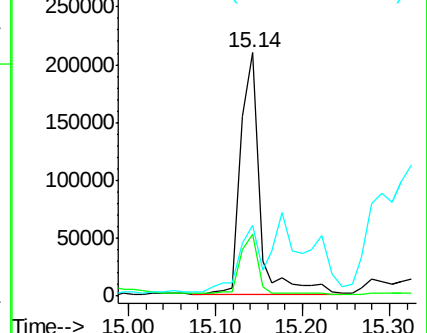
265 29.2 17.3 25.9#

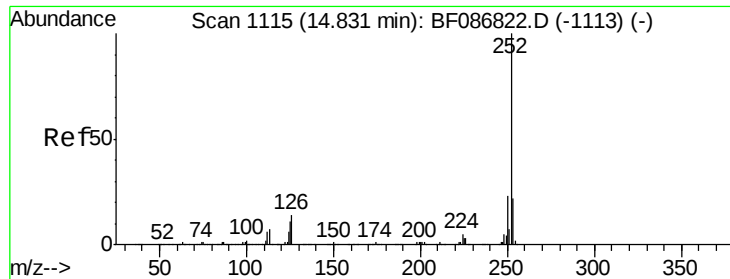


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 217.39 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

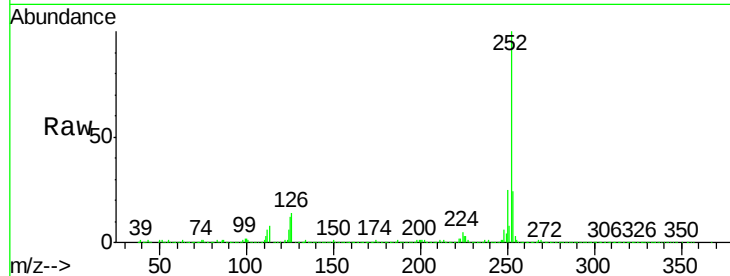
Tgt Ion:252 Resp: 4458679

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

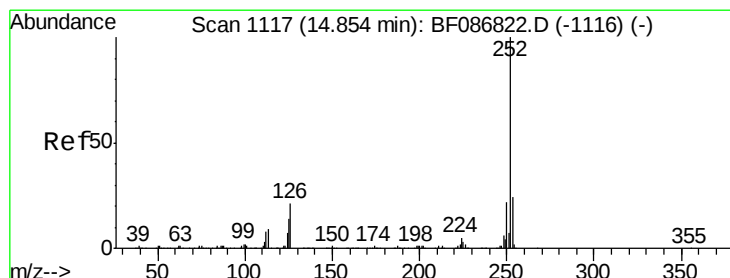
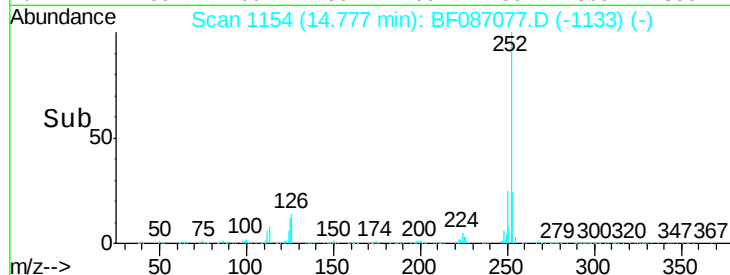
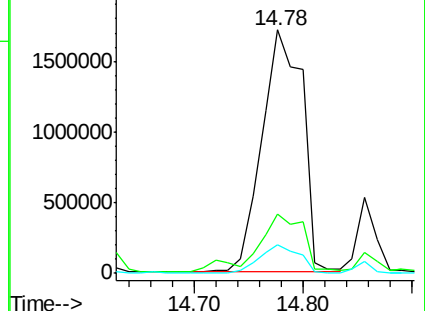
125 11.8 11.4 17.0



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: 265.49 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.08 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

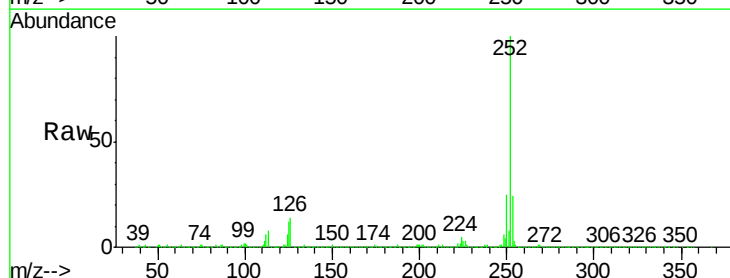
Tgt Ion:252 Resp: 4458679

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

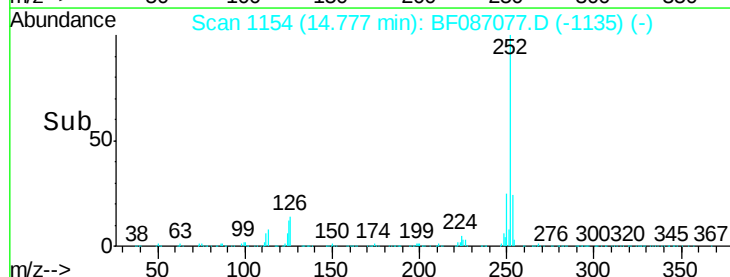
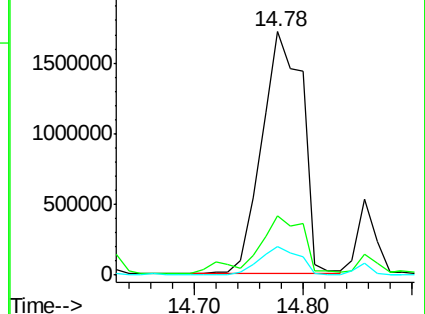
125 11.8 9.1 13.7

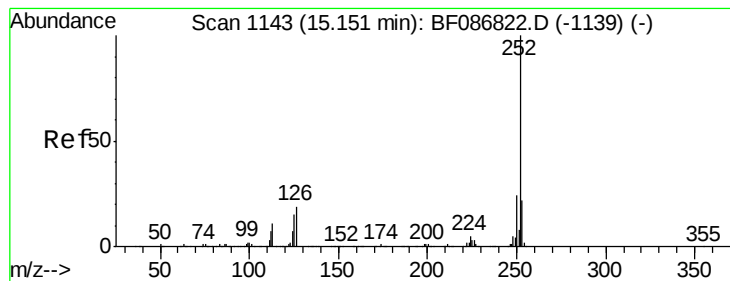


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 140.45 ng

RT: 15.10 min Scan# 1182

Delta R.T. -0.05 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

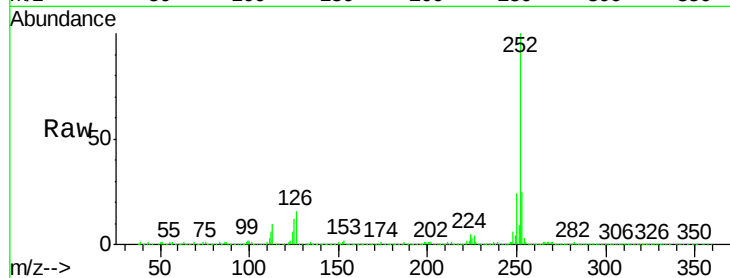
Tgt Ion:252 Resp: 2484707

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

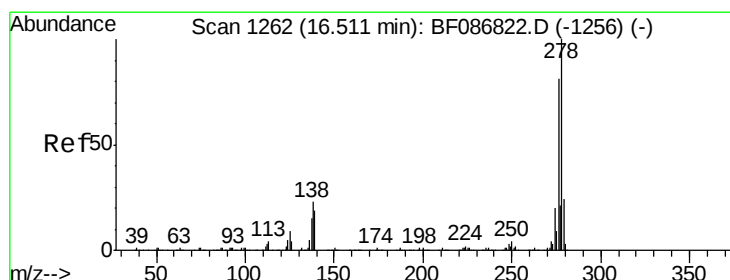
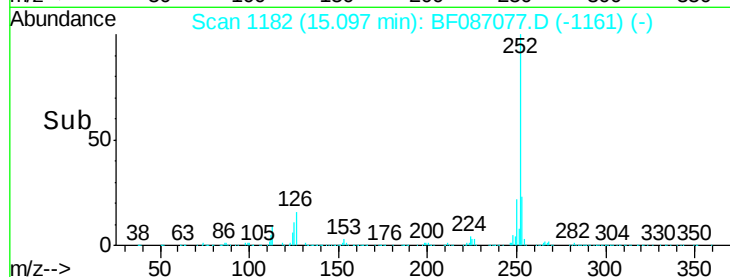
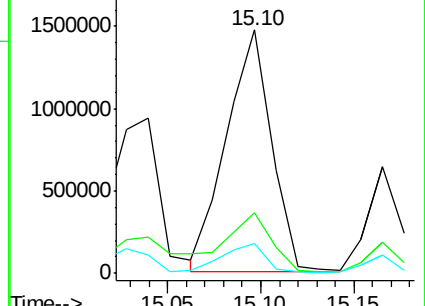
125 12.1 9.0 13.6



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



#90

Dibenzo(a,h)anthracene

Concen: 14.59 ng

RT: 16.22 min Scan# 1280

Delta R.T. -0.29 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

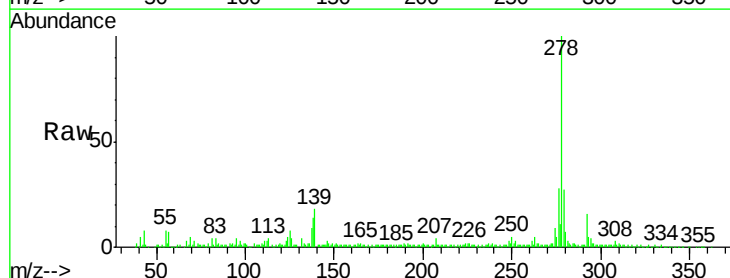
Tgt Ion:278 Resp: 217604

Ion Ratio Lower Upper

278 100

139 18.1 16.6 24.8

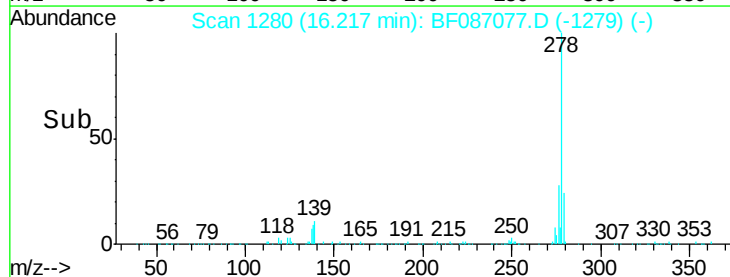
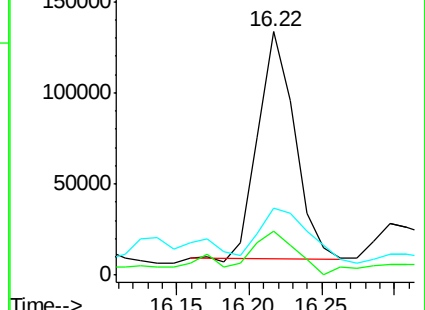
279 27.4 19.6 29.4

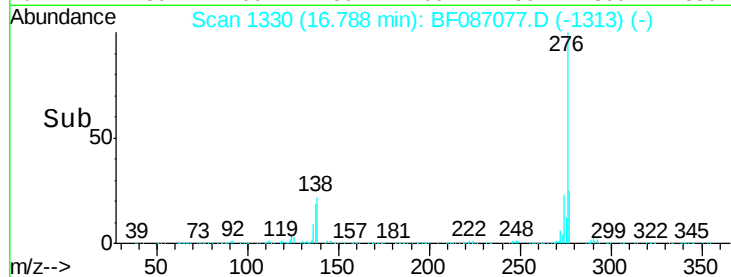
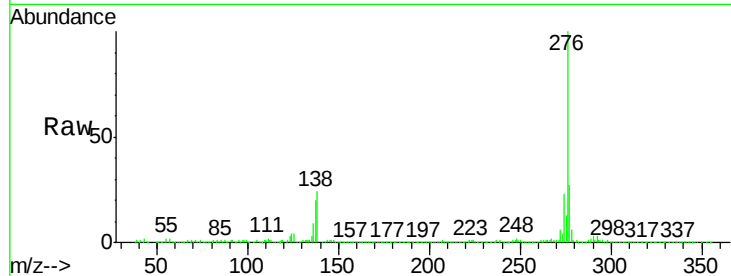
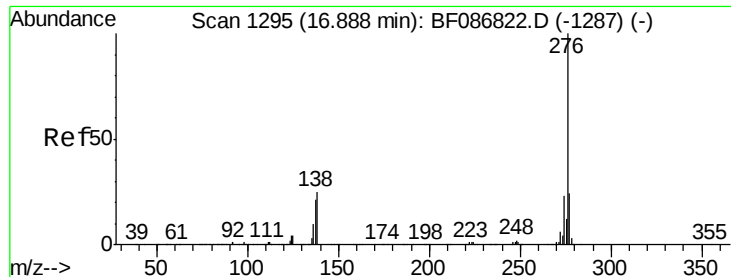


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 86.57 ng

RT: 16.79 min Scan# 1330

Delta R.T. -0.10 min

Lab File: BF087077.D

Acq: 16 May 2016 13:14

Instrument :

BNA_F

ClientSampleId :

E-10(8.5-9)

Tgt Ion:276 Resp: 1311545

Ion Ratio Lower Upper

276 100

277 26.7 19.6 29.4

138 23.5 23.6 35.4#

