

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030416\
 Data File : BF085236.D
 Acq On : 5 Mar 2016 6:49
 Operator : SJ/IZ
 Sample : H1683-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 23:48:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	168366	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	599865	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	245711	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	475770	20.00	ng	-0.01
75) Chrysene-d12	14.13	240	261495	20.00	ng	-0.02
86) Perylene-d12	15.60	264	283766	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1628603	162.25	ng	0.01
7) Phenol-d6	6.60	99	1595668	121.34	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1005878	89.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	350767	166.84	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1503905	93.08	ng	-0.01
78) Terphenyl-d14	13.08	244	1011930	89.83	ng	-0.01

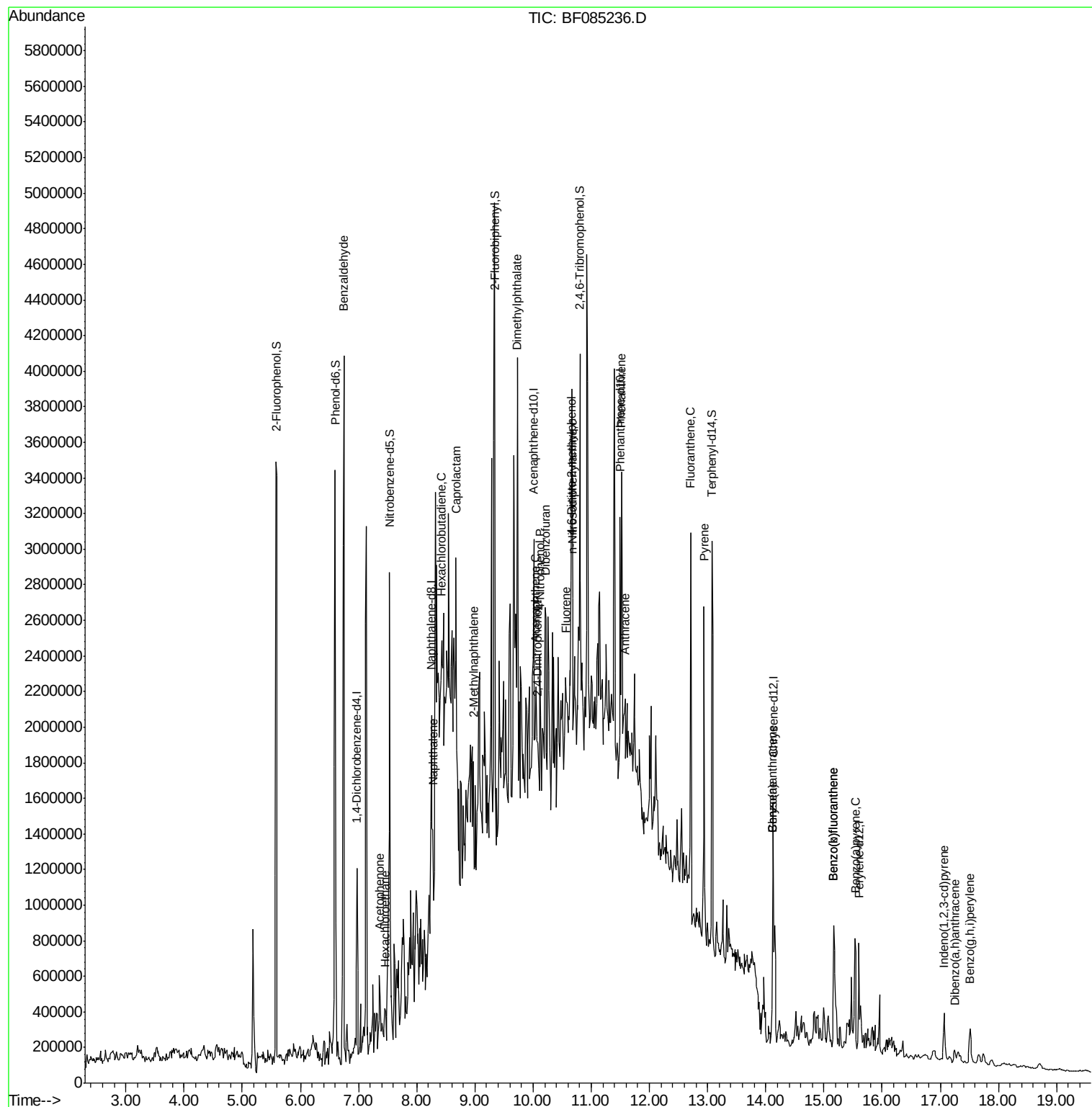
Target Compounds						Qvalue
9) Benzaldehyde	6.74	77	35429	2.82	ng	93
18) Hexachloroethane	7.46	117	10128	2.11	ng	# 1
22) Acetophenone	7.36	105	56226	3.84	ng	# 51
31) Naphthalene	8.28	128	206835	7.01	ng	# 96
34) Hexachlorobutadiene	8.42	225	28285	6.16	ng	# 71
35) Caprolactam	8.68	113	62578	23.46	ng	# 12
37) 2-Methylnaphthalene	8.97	142	206535	10.91	ng	99
49) Dimethylphthalate	9.73	163	290371	15.40	ng	# 94
51) Acenaphthene	10.05	154	67734	4.48	ng	87
53) 2,4-Dinitrophenol	10.07	184	4565	10.03	ng	# 1
54) Dibenzofuran	10.22	168	53656	2.71	ng	# 36
55) 4-Nitrophenol	10.12	139	29542	7.79	ng	# 46
57) Fluorene	10.56	166	123711	7.95	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.65	198	5706	2.00	ng	# 1
65) n-Nitrosodiphenylamine	10.68	169	153326	10.36	ng	# 56
70) Phenanthrene	11.52	178	626882	25.14	ng	98
71) Anthracene	11.58	178	251527	9.50	ng	96
74) Fluoranthene	12.71	202	839517	33.55	ng	98
77) Pyrene	12.94	202	768695	39.06	ng	99
80) Benzo(a)anthracene	14.12	228	417892	26.70	ng	98
82) Chrysene	14.12	228	417892	28.90	ng	96
85) Indeno(1,2,3-cd)pyrene	17.07	276	168298	14.91	ng	92
87) Benzo(b)fluoranthene	15.17	252	538806	28.49	ng	99
88) Benzo(k)fluoranthene	15.17	252	538806	35.32	ng	98
89) Benzo(a)pyrene	15.53	252	296189	18.90	ng	# 93
90) Dibenzo(a,h)anthracene	17.25	278	39102	2.92	ng	96
91) Benzo(g,h,i)perylene	17.51	276	150694	11.20	ng	98

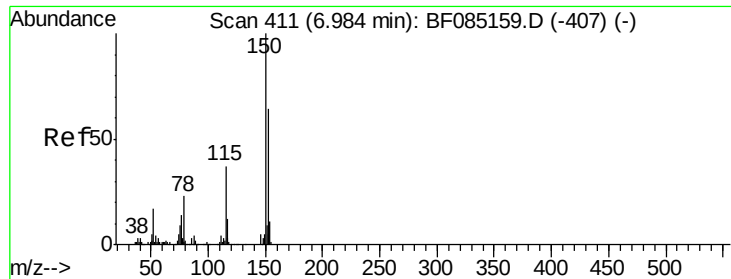
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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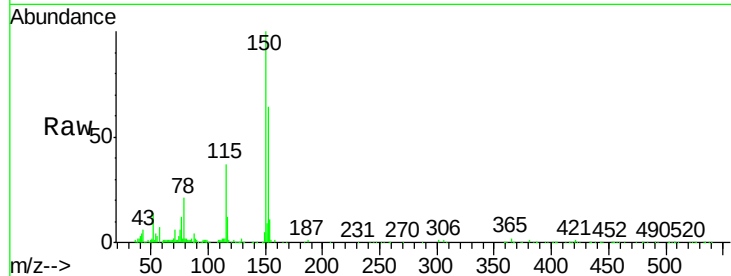


#1

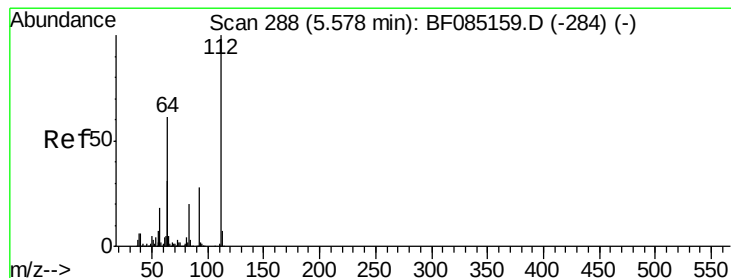
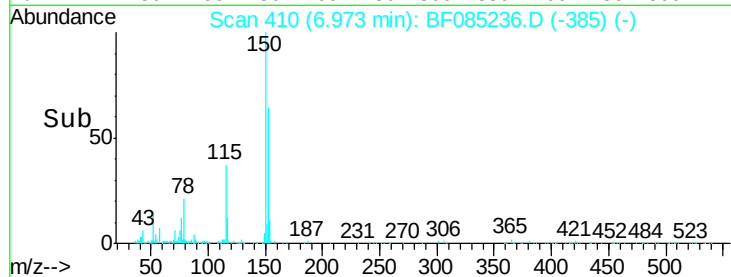
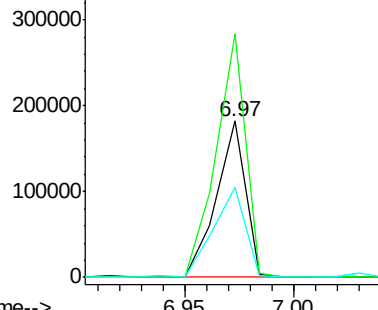
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 168366
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 57.5 46.6 70.0



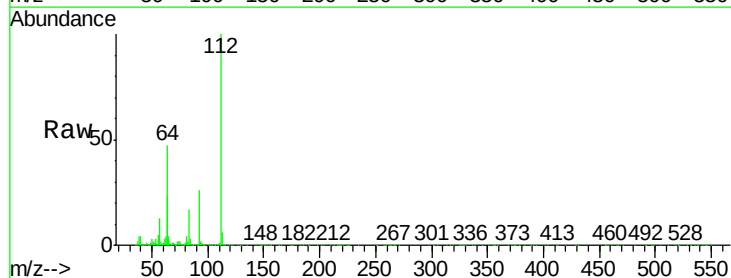
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



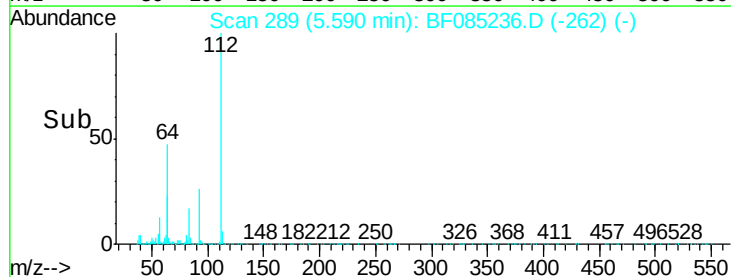
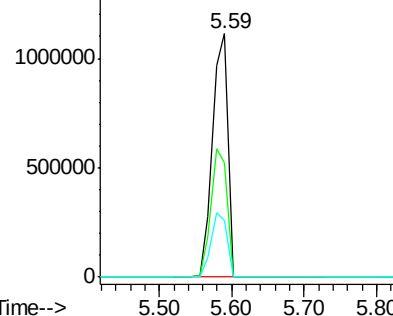
#5

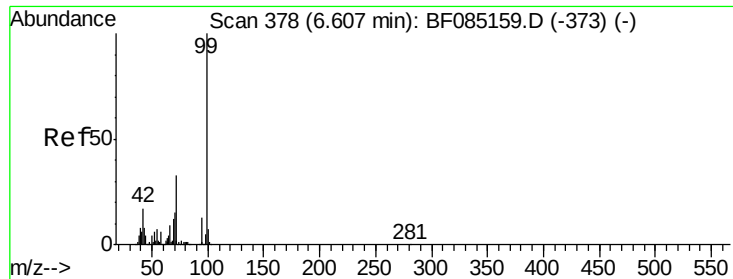
2-Fluorophenol
Concen: 162.25 ng
RT: 5.59 min Scan# 289
Delta R.T. 0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:112 Resp: 1628603
Ion Ratio Lower Upper
112 100
64 46.9 49.0 73.4#
63 23.3 24.8 37.2#



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: 121.34 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

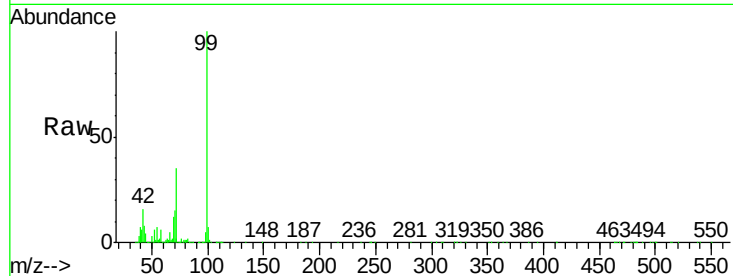
Tgt Ion: 99 Resp: 1595668

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

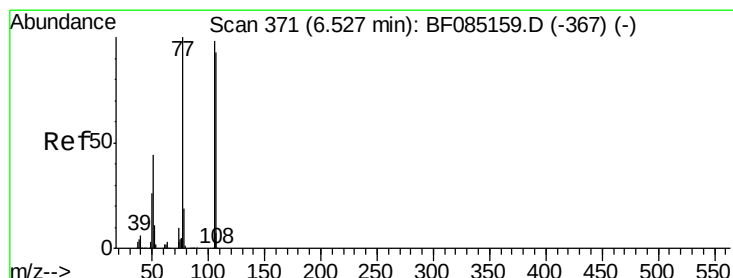
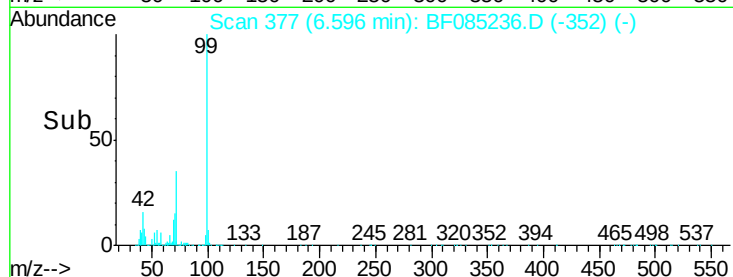
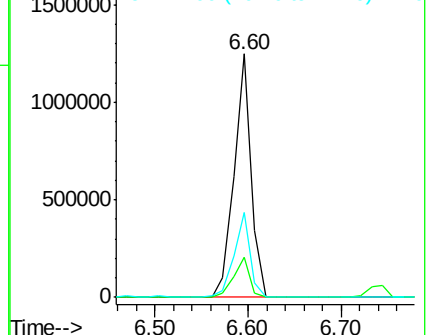
71 34.9 26.7 40.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.82 ng

RT: 6.74 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

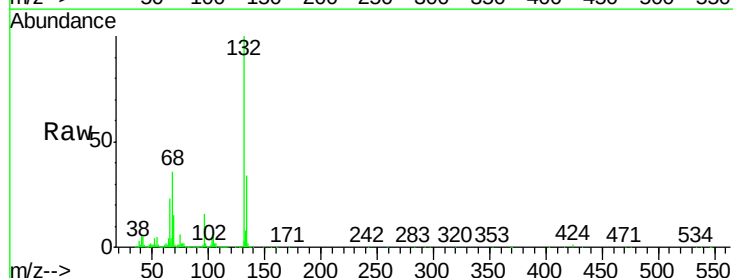
Tgt Ion: 77 Resp: 35429

Ion Ratio Lower Upper

77 100

105 90.5 78.2 118.2

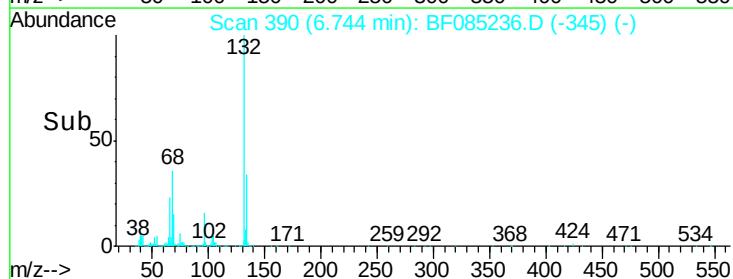
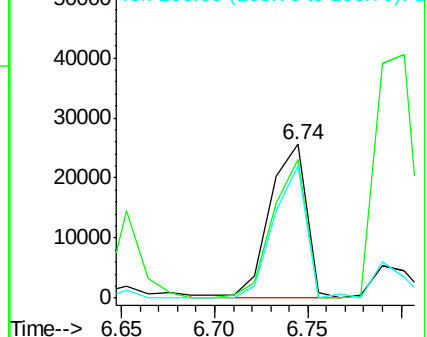
106 86.1 72.9 112.9

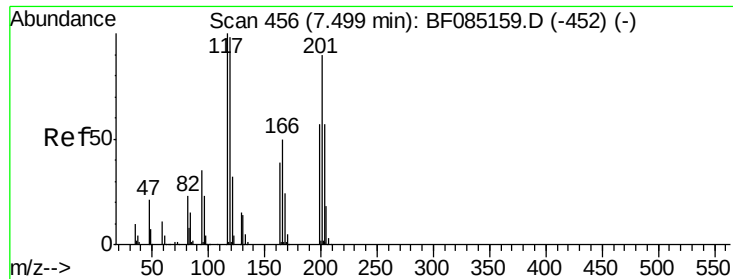


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

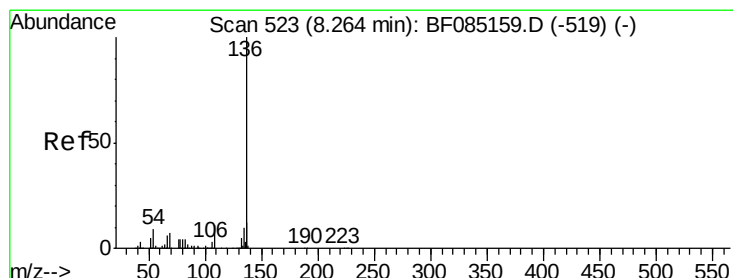
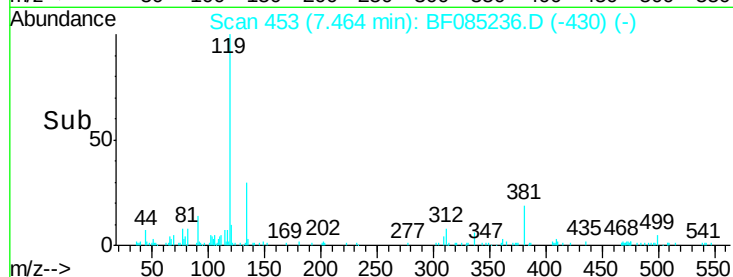
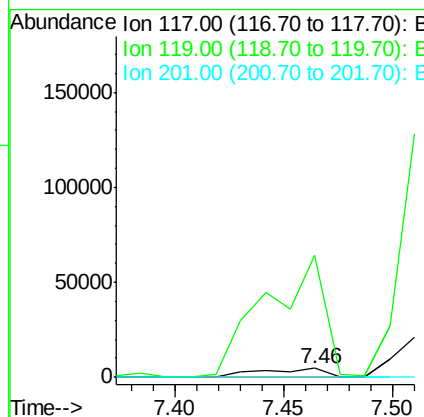
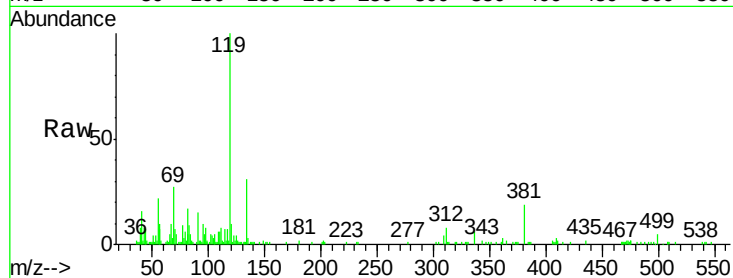




#18
Hexachloroethane
Concen: 2.11 ng
RT: 7.46 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

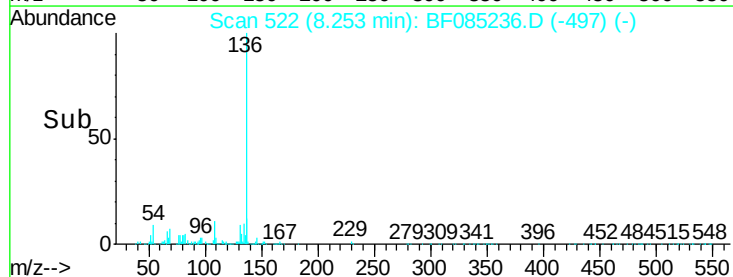
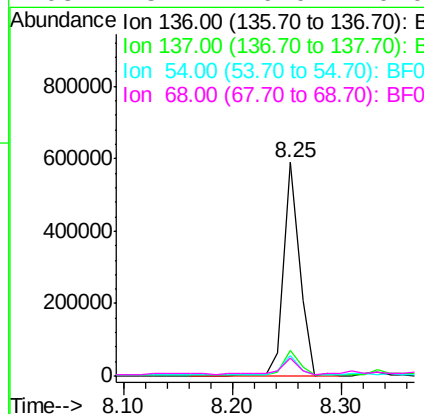
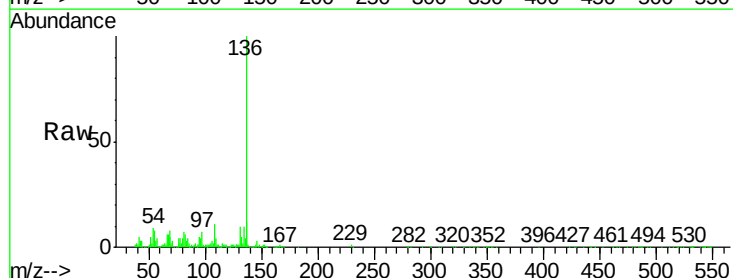
Instrument :
BNA_F
ClientSampleId :

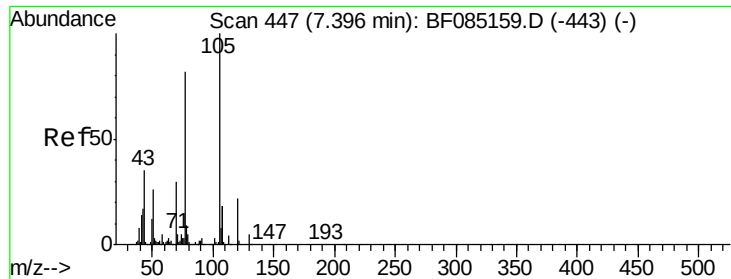
Tgt Ion:117 Resp: 10128
Ion Ratio Lower Upper
117 100
119 1352.7 78.2 117.4#
201 8.7 72.0 108.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:136 Resp: 599865
Ion Ratio Lower Upper
136 100
137 12.0 9.3 13.9
54 9.4 7.4 11.2
68 8.4 6.0 9.0

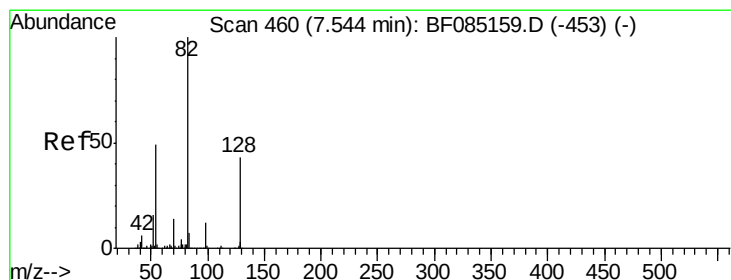
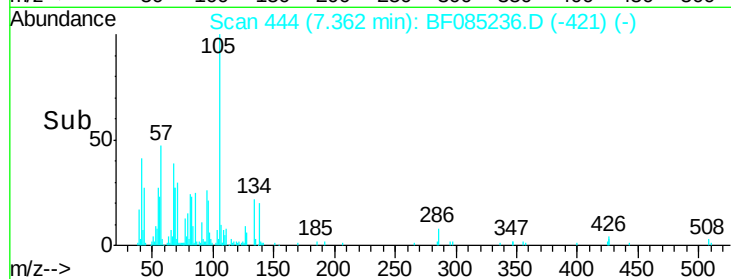
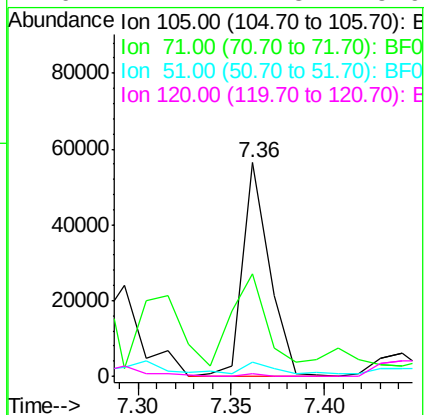
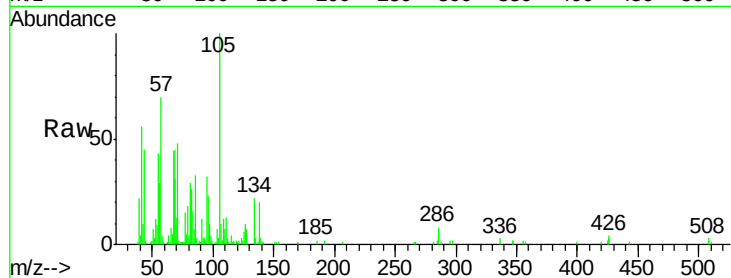




#22
Acetophenone
Concen: 3.84 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.03 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

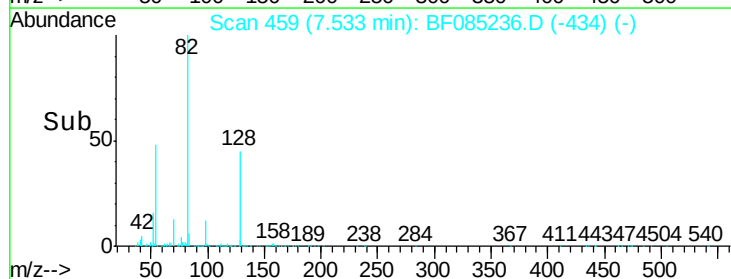
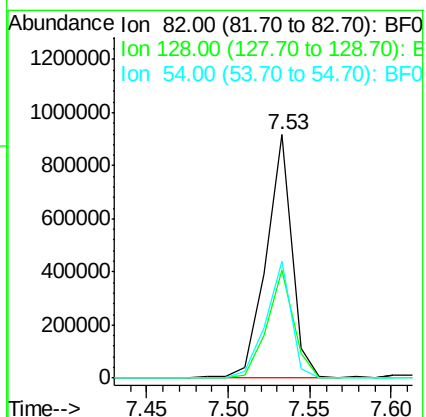
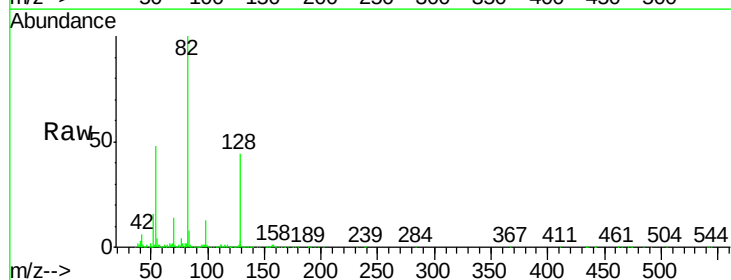
Instrument :
BNA_F
ClientSampleId :

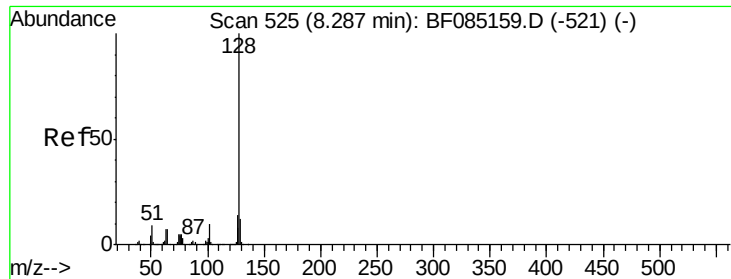
Tgt Ion: 105 Resp: 56226
Ion Ratio Lower Upper
105 100
71 47.8 4.1 6.1#
51 6.5 21.1 31.7#
120 1.2 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 89.73 ng
RT: 7.53 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion: 82 Resp: 1005878
Ion Ratio Lower Upper
82 100
128 44.4 34.5 51.7
54 47.8 39.3 58.9

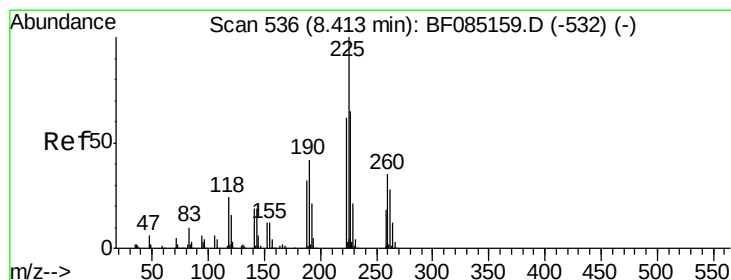
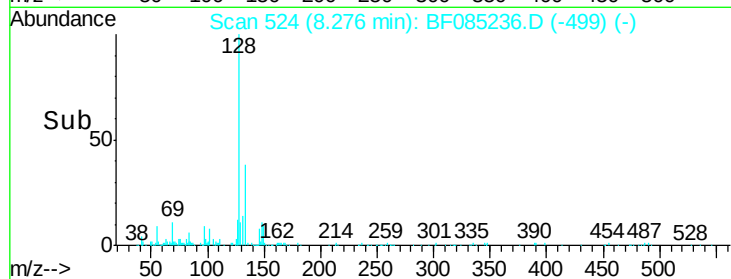
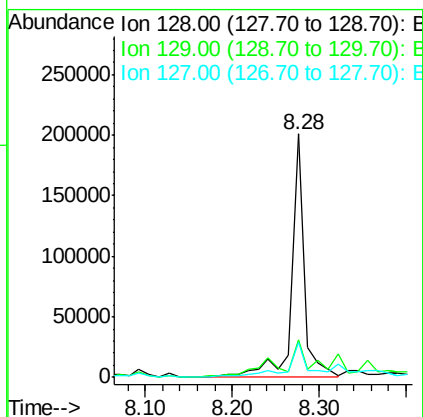
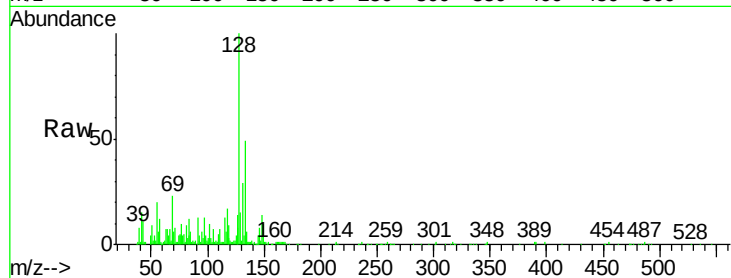




#31
Naphthalene
Concen: 7.01 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

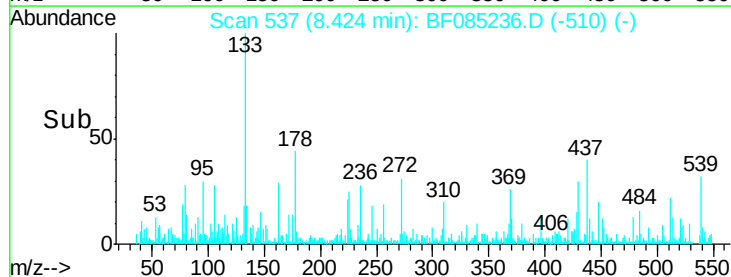
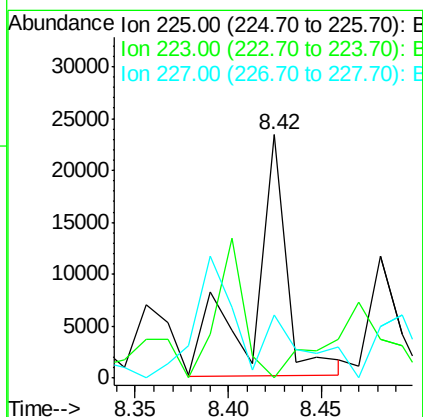
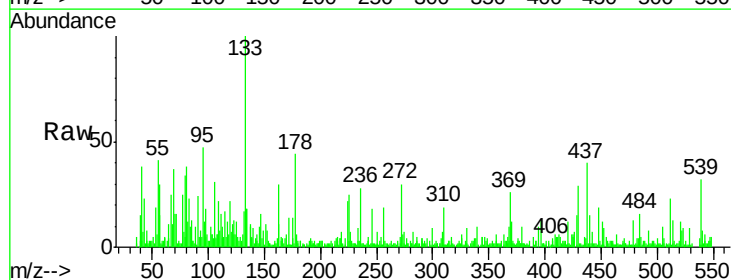
Instrument :
BNA_F
ClientSampled :

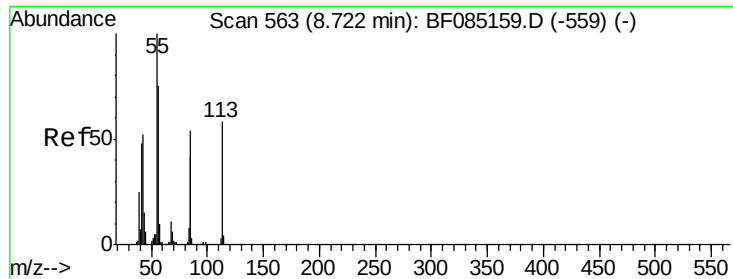
Tgt Ion:128 Resp: 206835
Ion Ratio Lower Upper
128 100
129 15.4 9.7 14.5#
127 14.2 11.2 16.8



#34
Hexachlorobutadiene
Concen: 6.16 ng
RT: 8.42 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:225 Resp: 28285
Ion Ratio Lower Upper
225 100
223 77.2 49.7 74.5#
227 34.8 52.2 78.4#

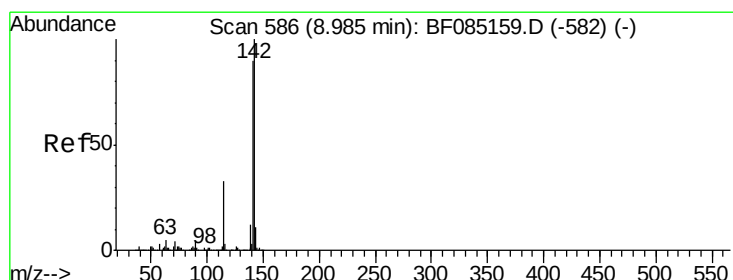
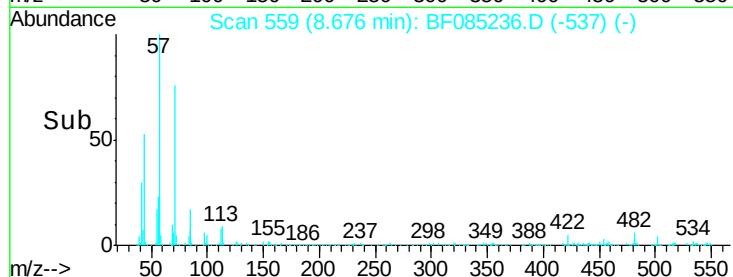
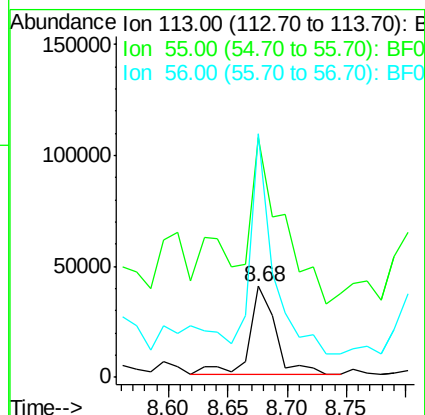
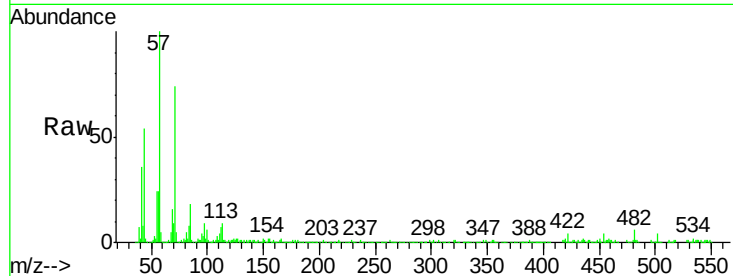




#35
 Caprolactam
 Concen: 23.46 ng
 RT: 8.68 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: BF085236.D
 Acq: 5 Mar 2016 6:49

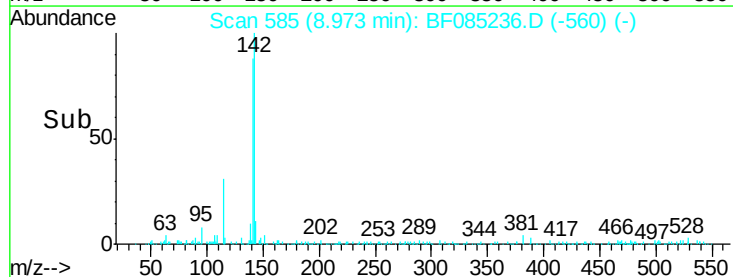
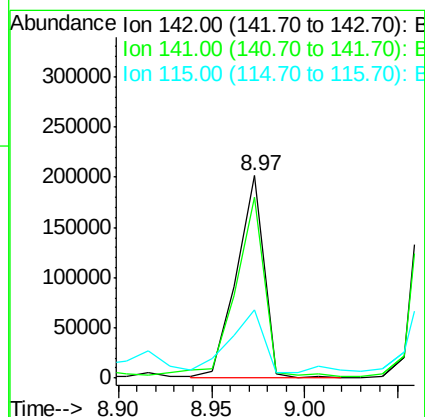
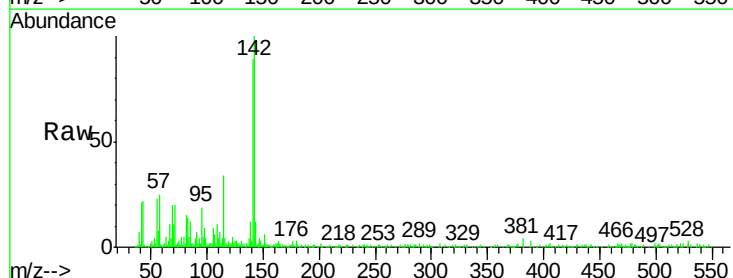
Instrument :
 BNA_F
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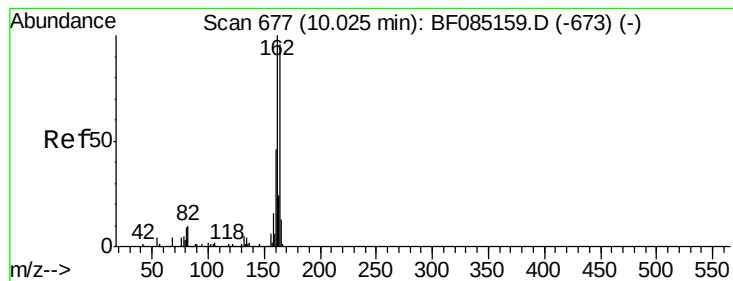
Tgt Ion:113 Resp: 62578
 Ion Ratio Lower Upper
 113 100
 55 263.5 152.7 192.7#
 56 267.0 109.0 149.0#



#37
 2-Methylnaphthalene
 Concen: 10.91 ng
 RT: 8.97 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF085236.D
 Acq: 5 Mar 2016 6:49

Tgt Ion:142 Resp: 206535
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.7 107.5
 115 34.1 26.2 39.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.01 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

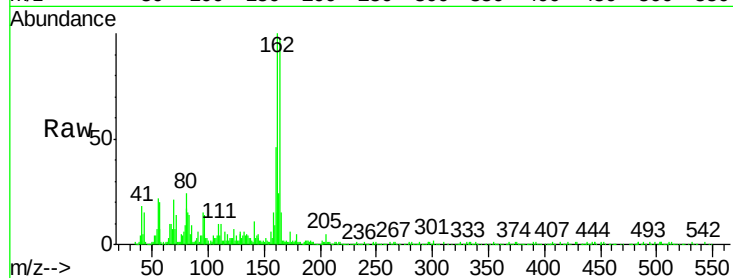
Tgt Ion:164 Resp: 245711

Ion Ratio Lower Upper

164 100

162 102.8 83.3 124.9

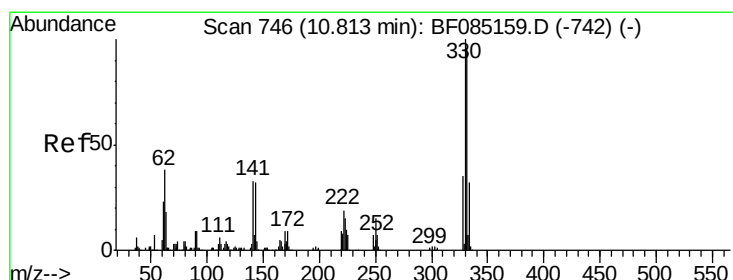
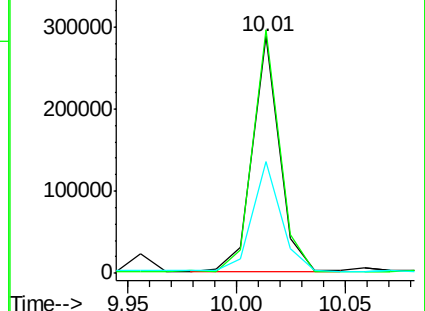
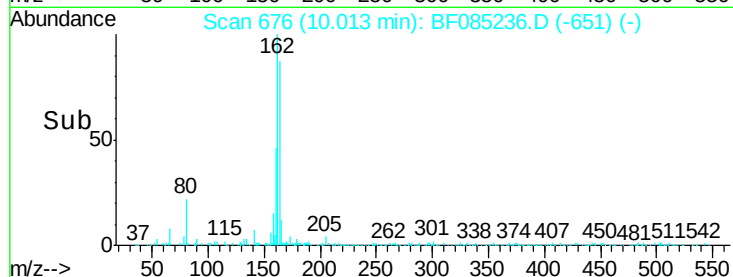
160 47.1 37.9 56.9



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: 166.84 ng

RT: 10.80 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

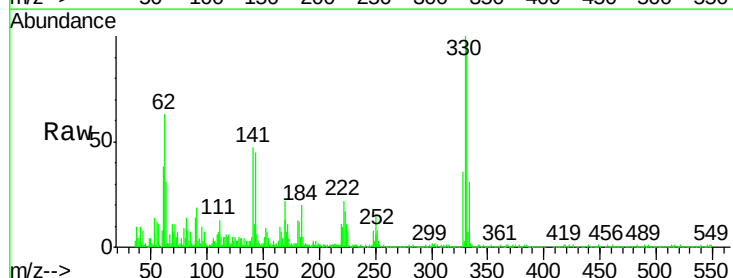
Tgt Ion:330 Resp: 350767

Ion Ratio Lower Upper

330 100

332 98.3 77.1 115.7

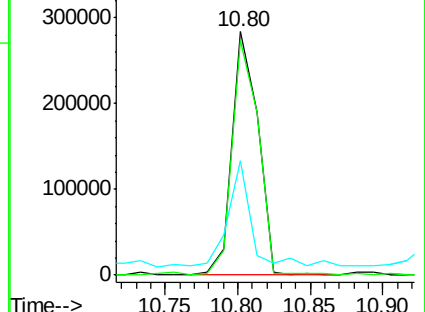
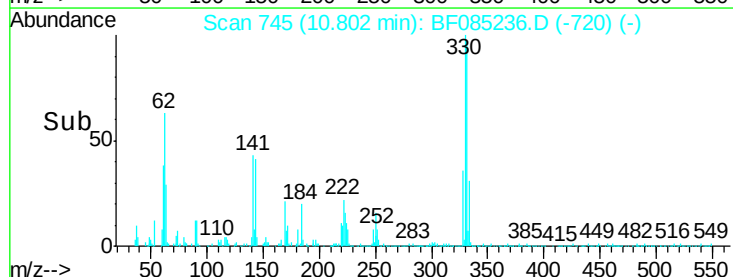
141 37.4 35.0 52.6

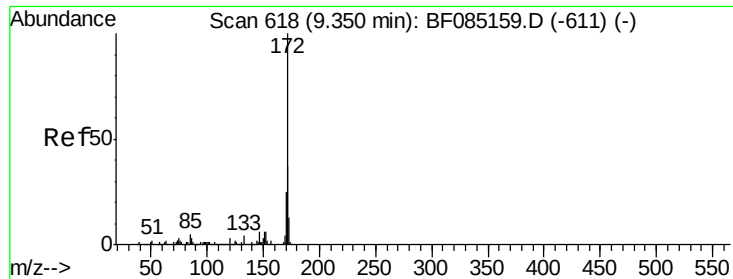


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

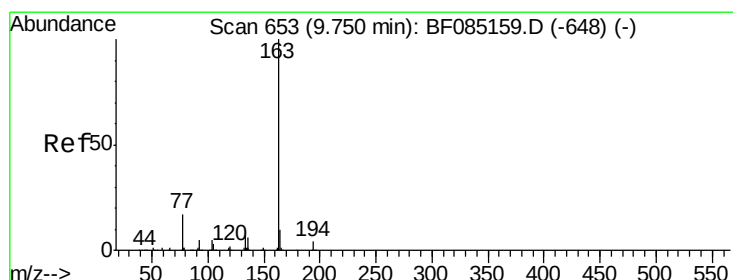
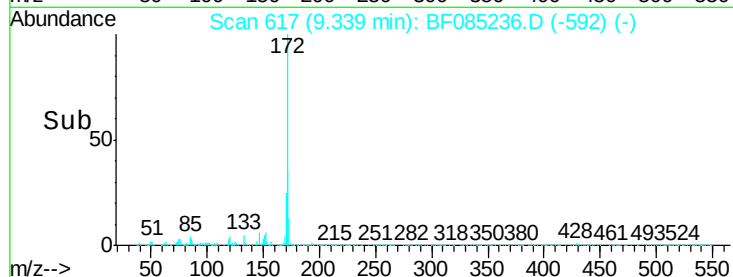
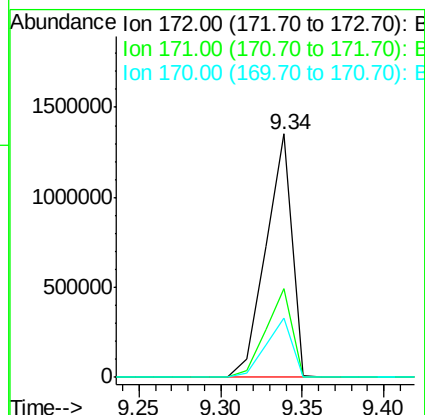
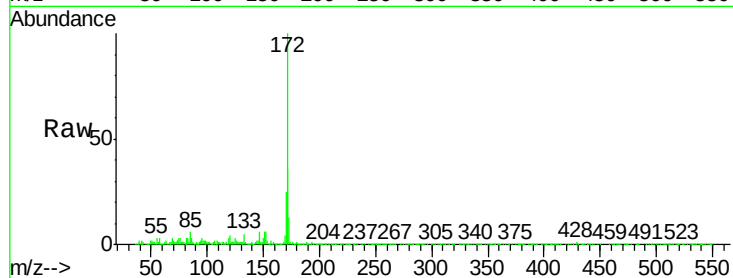




#44
2-Fluorobiphenyl
Concen: 93.08 ng
RT: 9.34 min Scan# 617
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

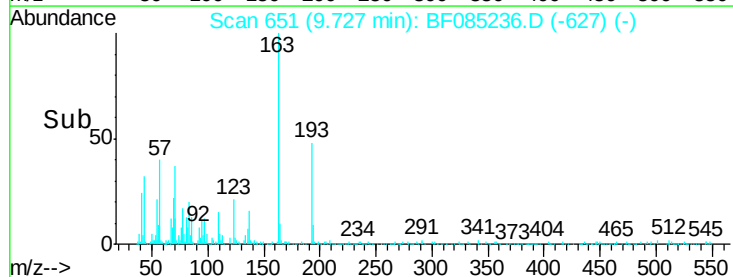
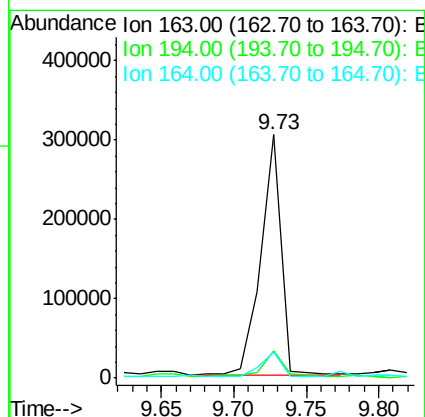
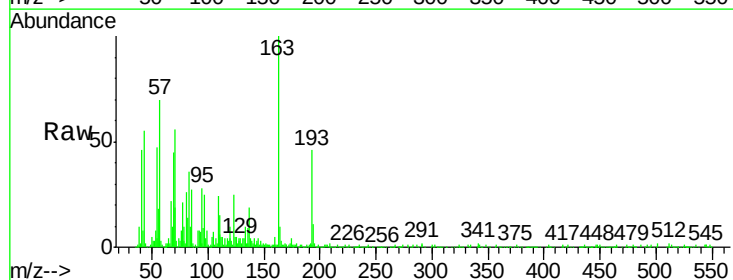
Instrument :
BNA_F
ClientSampleId :

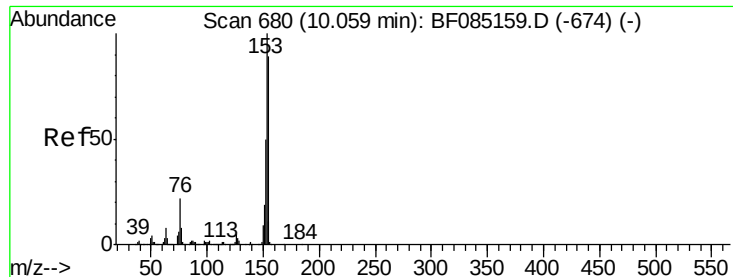
Tgt Ion:172 Resp: 1503905
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.5 20.0 30.0



#49
Dimethylphthalate
Concen: 15.40 ng
RT: 9.73 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:163 Resp: 290371
Ion Ratio Lower Upper
163 100
194 11.3 3.1 4.7#
164 10.5 8.2 12.4

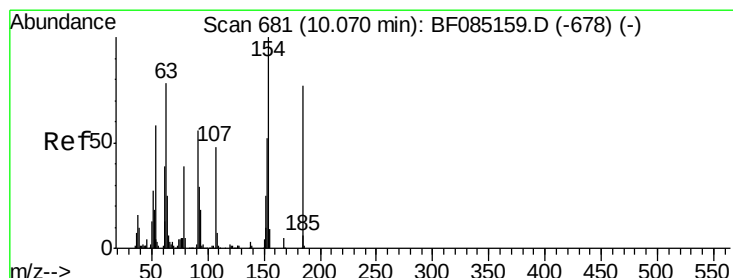
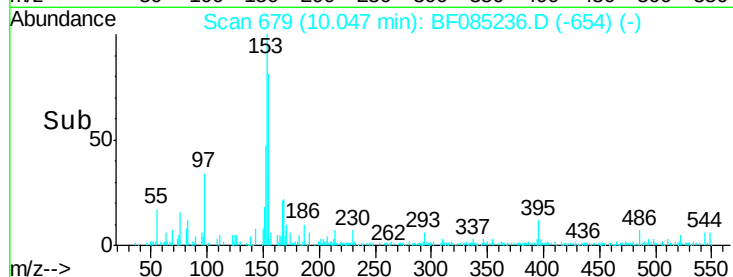
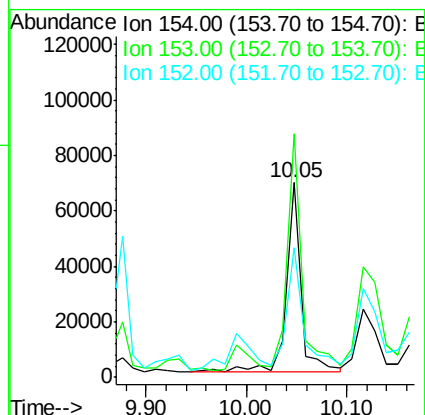
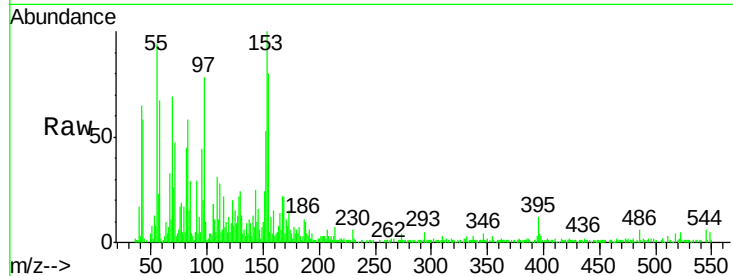




#51
Acenaphthene
Concen: 4.48 ng
RT: 10.05 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

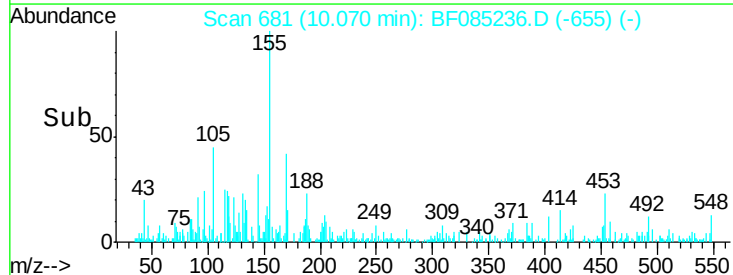
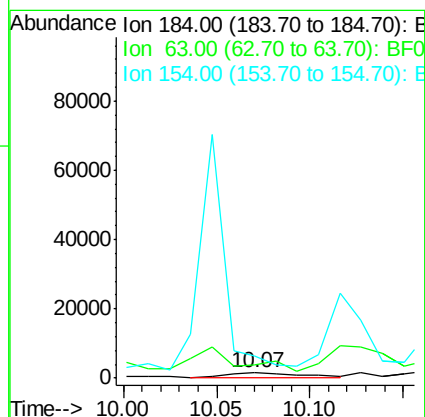
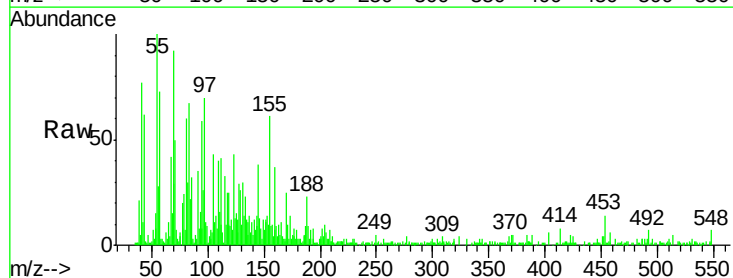
Instrument :
BNA_F
ClientSampled :

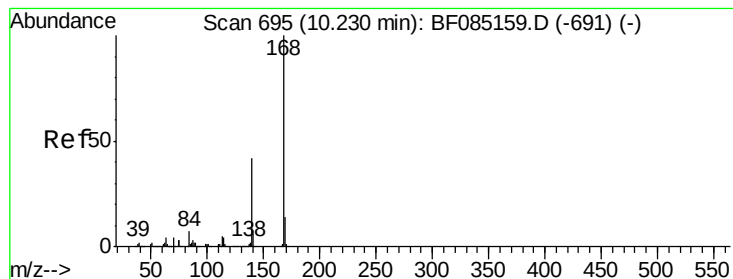
Tgt Ion:154 Resp: 67734
Ion Ratio Lower Upper
154 100
153 124.9 89.8 134.8
152 66.7 44.6 66.8



#53
2,4-Dinitrophenol
Concen: 10.03 ng
RT: 10.07 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:184 Resp: 4565
Ion Ratio Lower Upper
184 100
63 253.2 82.2 123.4#
154 419.2 108.9 163.3#





#54

Dibenzofuran

Concen: 2.71 ng

RT: 10.22 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

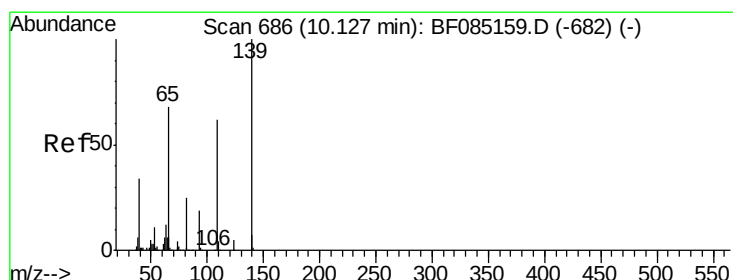
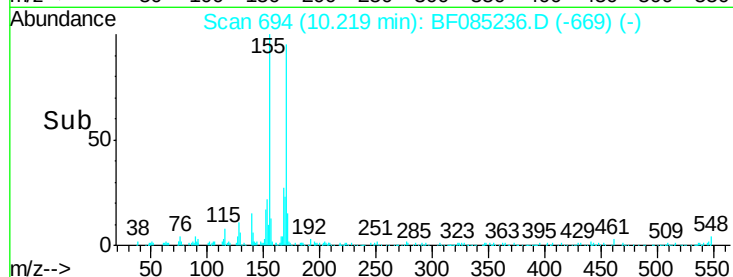
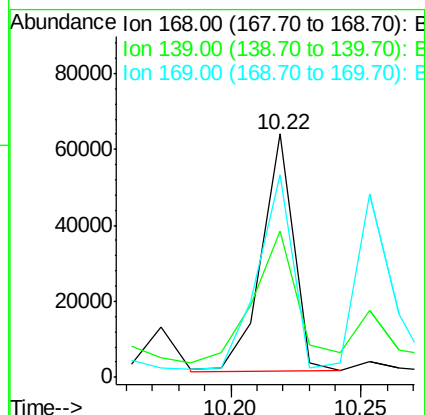
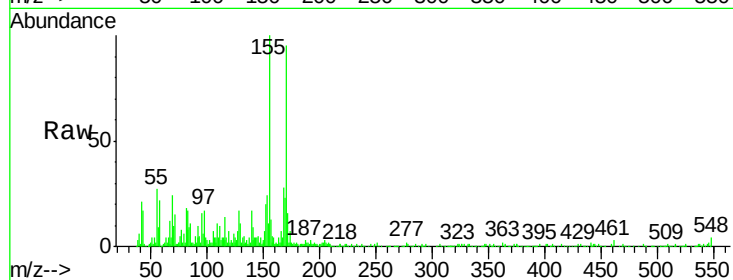
Tgt Ion:168 Resp: 53656

Ion Ratio Lower Upper

168 100

139 59.9 33.6 50.4#

169 83.0 11.2 16.8#



#55

4-Nitrophenol

Concen: 7.79 ng

RT: 10.12 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

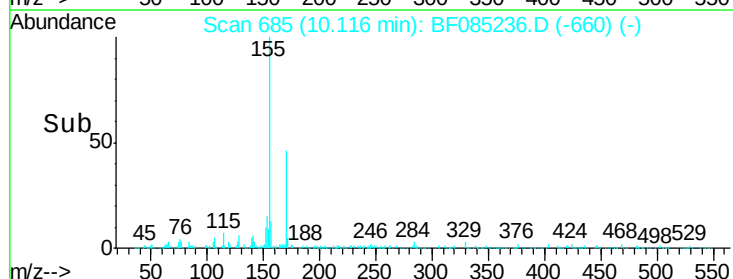
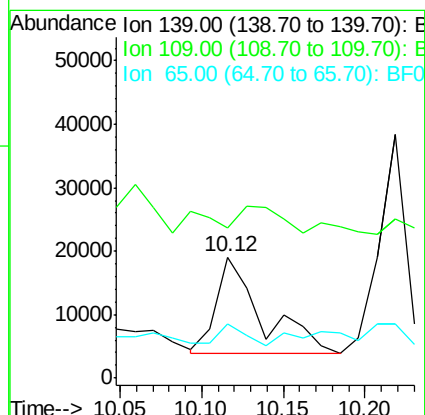
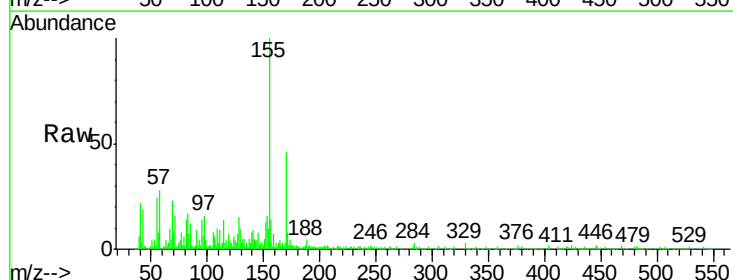
Tgt Ion:139 Resp: 29542

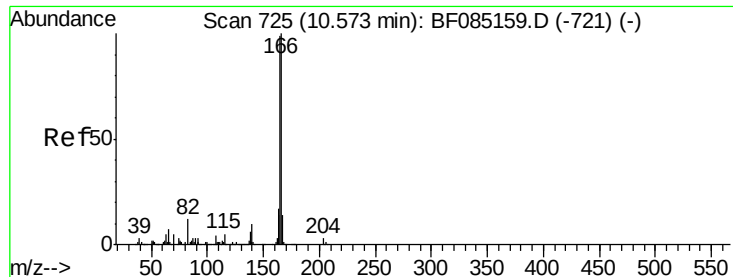
Ion Ratio Lower Upper

139 100

109 124.3 41.9 81.9#

65 44.7 48.3 88.3#





#57

Fluorene

Concen: 7.95 ng

RT: 10.56 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

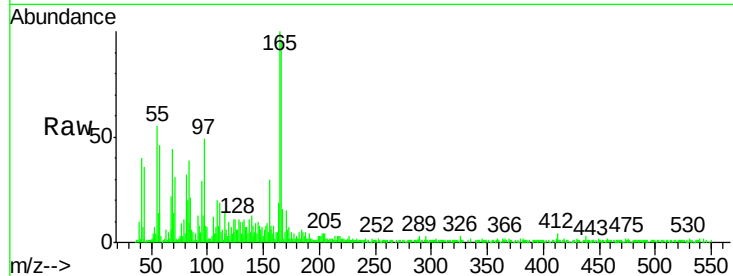
Tgt Ion:166 Resp: 123711

Ion Ratio Lower Upper

166 100

165 104.1 79.4 119.0

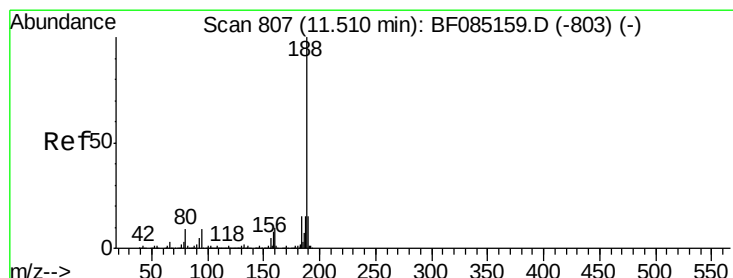
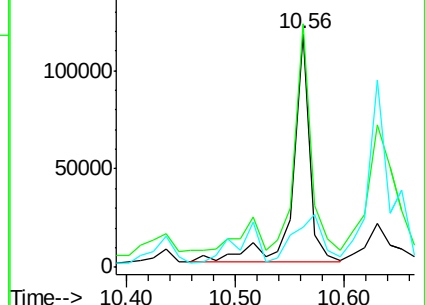
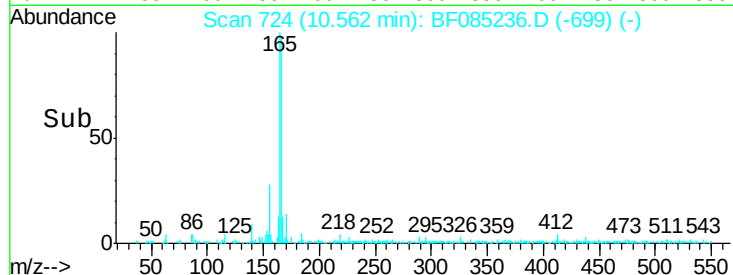
167 17.1 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

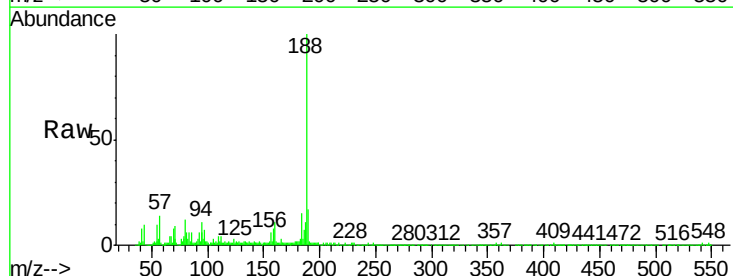
Tgt Ion:188 Resp: 475770

Ion Ratio Lower Upper

188 100

94 11.3 7.0 10.6#

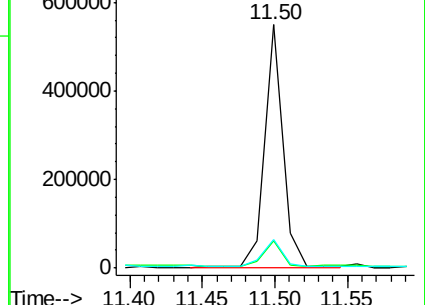
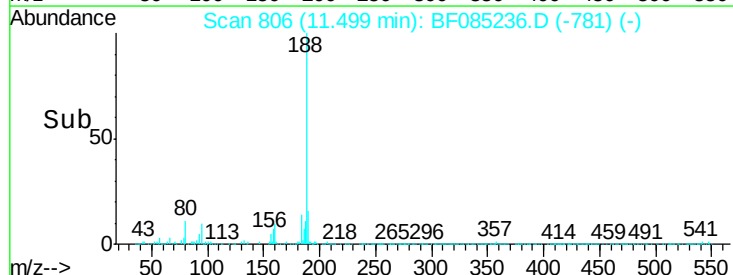
80 11.7 7.4 11.0#

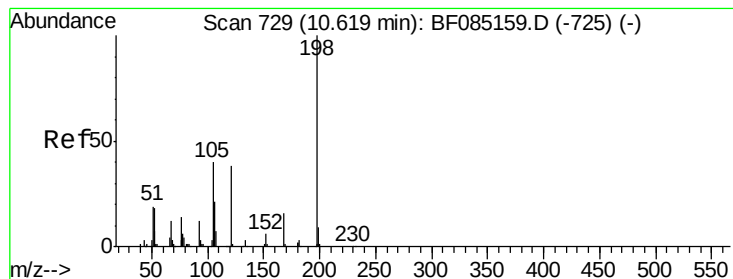


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.00 ng

RT: 10.65 min Scan# 732

Delta R.T. 0.04 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

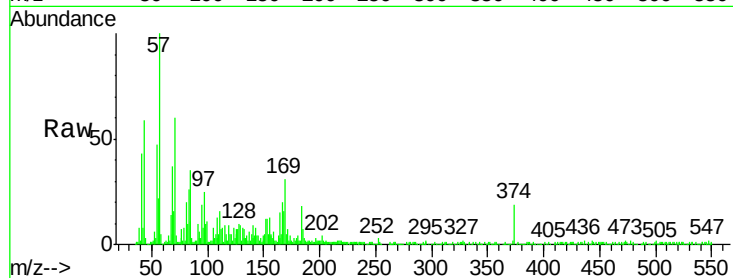
Tgt Ion:198 Resp: 5706

Ion Ratio Lower Upper

198 100

51 195.4 9.5 49.5#

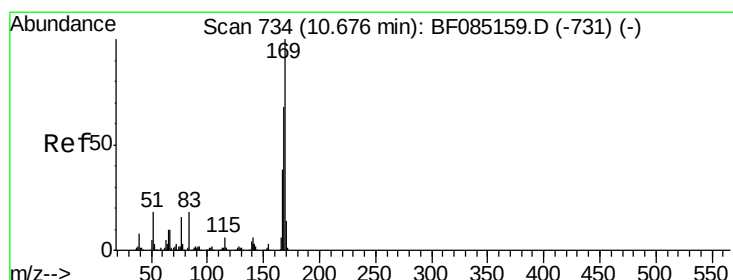
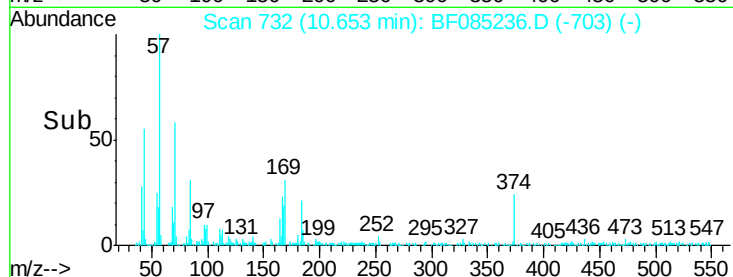
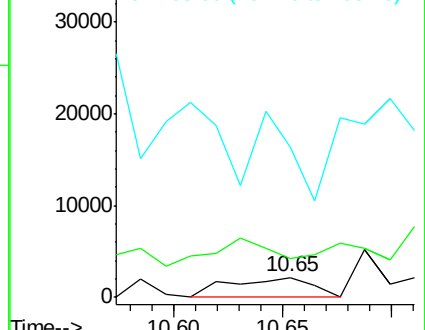
105 767.4 20.5 60.5#



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



#65

n-Nitrosodiphenylamine

Concen: 10.36 ng

RT: 10.68 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

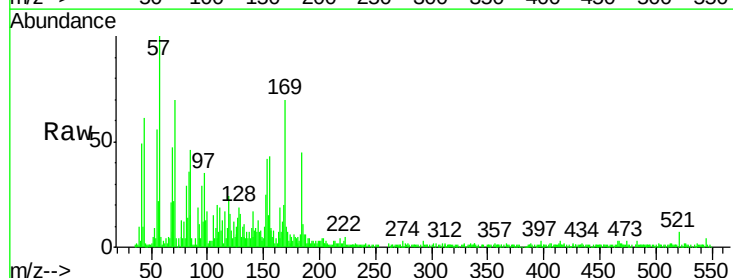
Tgt Ion:169 Resp: 153326

Ion Ratio Lower Upper

169 100

168 28.7 54.8 82.2#

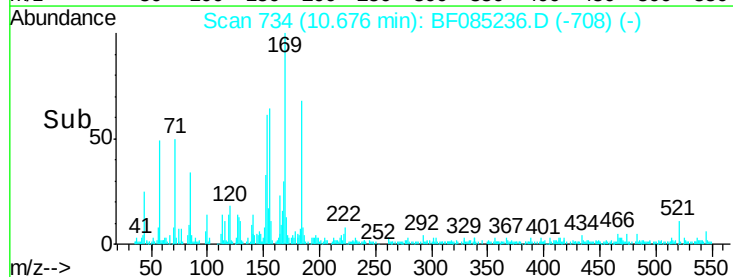
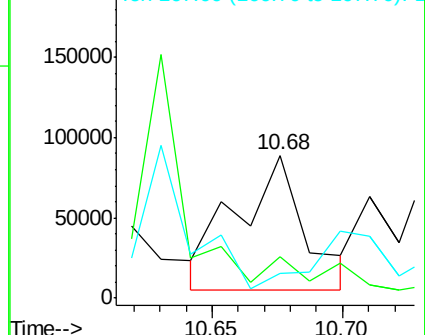
167 17.3 30.3 45.5#

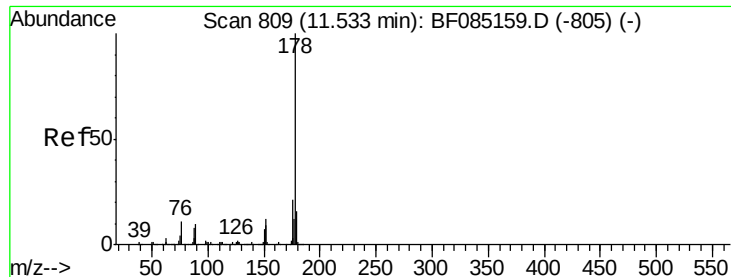


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

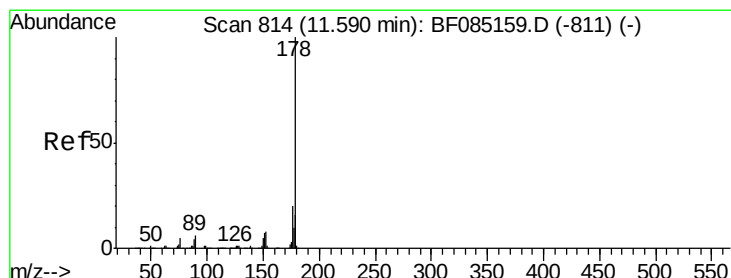
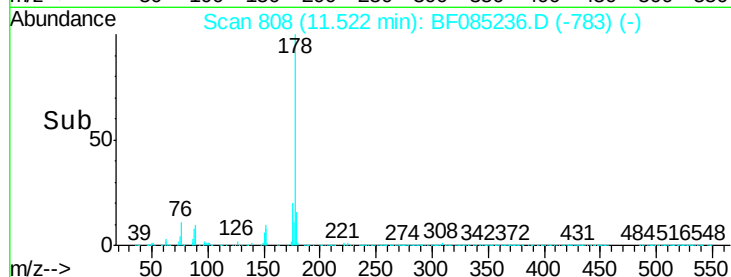
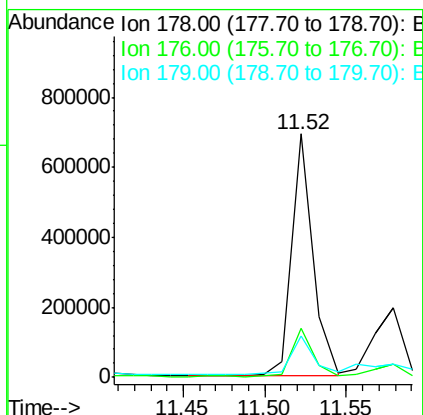
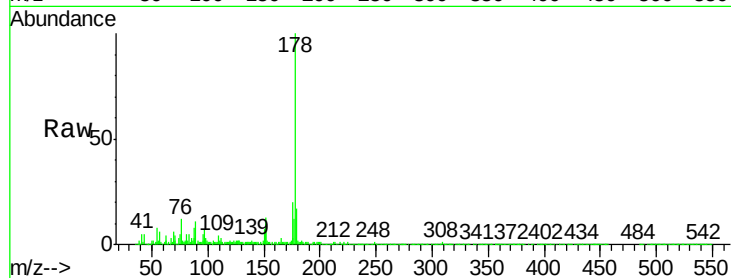




#70
Phenanthrene
Concen: 25.14 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

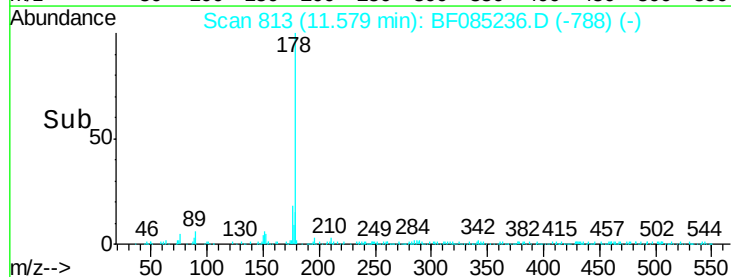
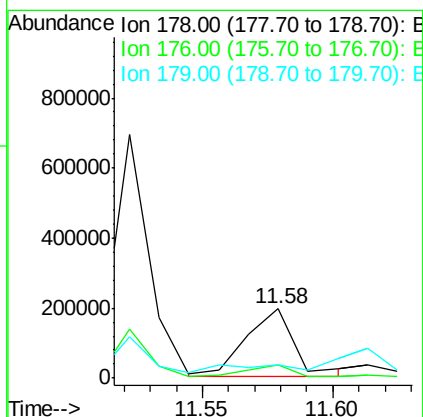
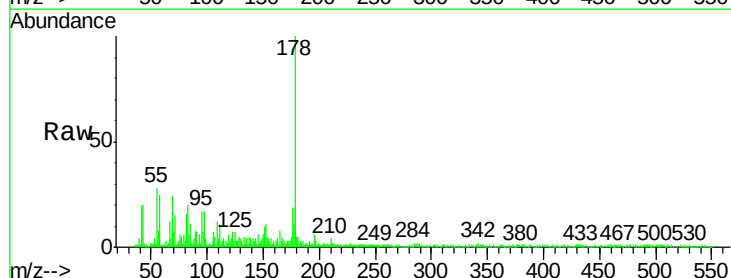
Instrument :
BNA_F
ClientSampled :

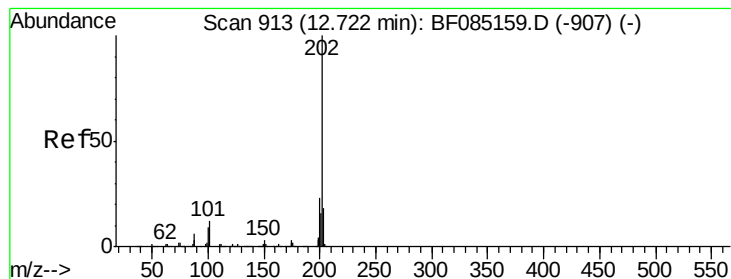
Tgt Ion:178 Resp: 626882
Ion Ratio Lower Upper
178 100
176 20.2 16.8 25.2
179 17.2 13.1 19.7



#71
Anthracene
Concen: 9.50 ng
RT: 11.58 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:178 Resp: 251527
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 18.6 12.5 18.7





#74

Fluoranthene

Concen: 33.55 ng

RT: 12.71 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF085236.D

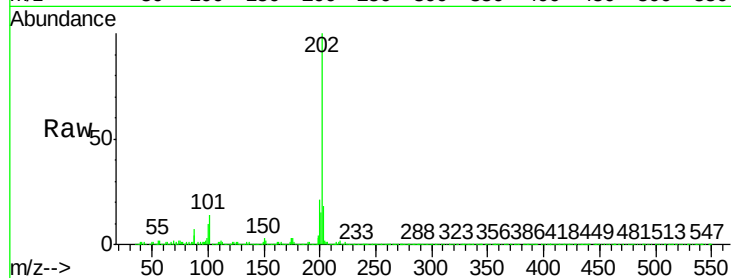
Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

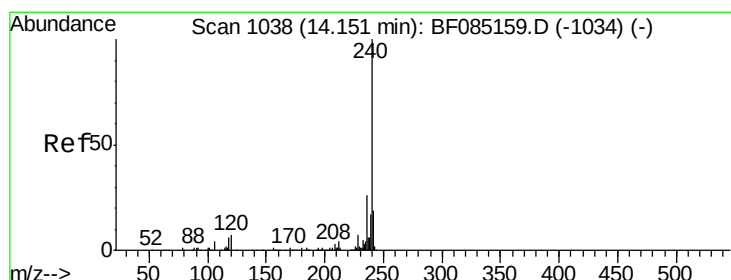
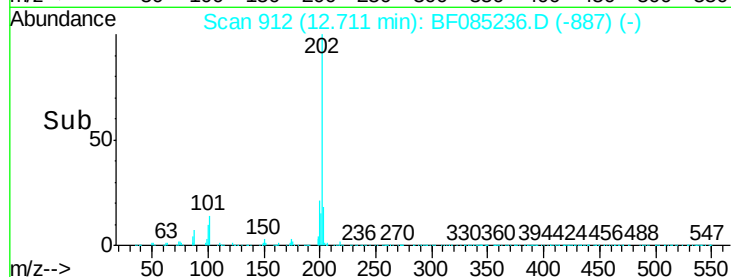
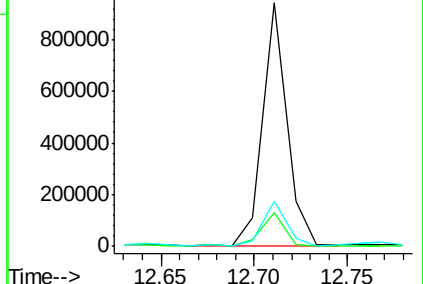
Tgt Ion:	202	Resp:	839517
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	31.8
203	18.5	0.0	38.4



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

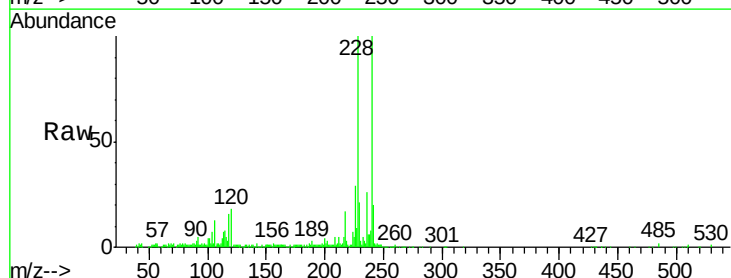
RT: 14.13 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

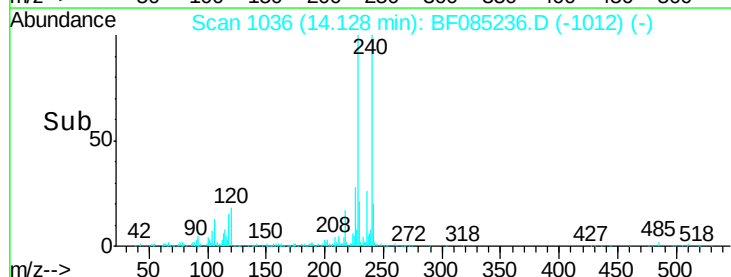
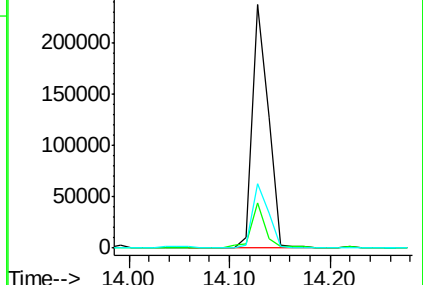
Tgt Ion:	240	Resp:	261495
Ion Ratio	Lower	Upper	
240	100		
120	18.3	5.3	7.9#
236	26.4	20.7	31.1

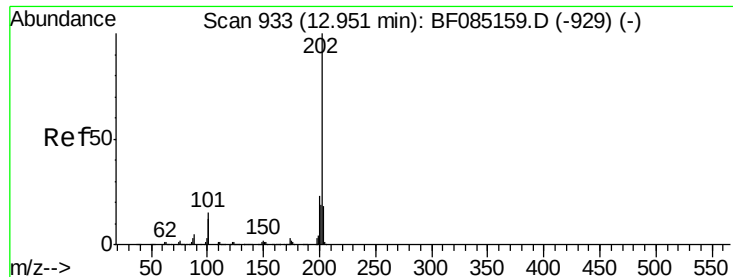


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

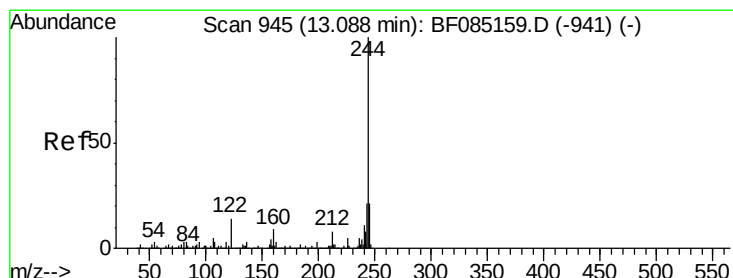
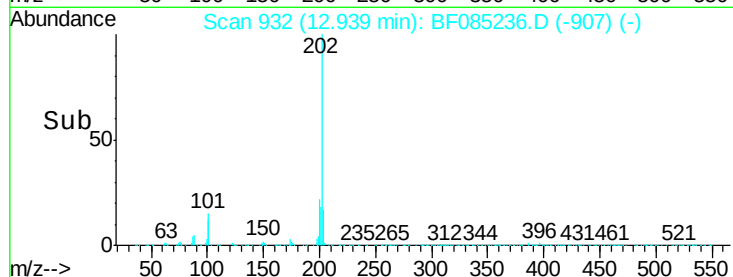
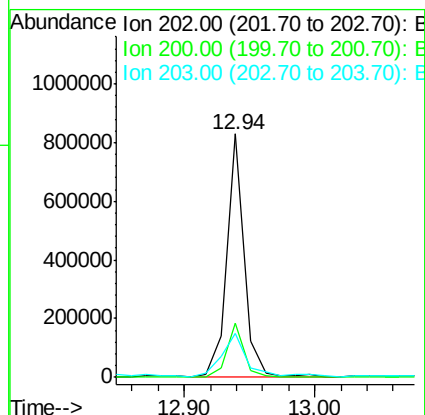
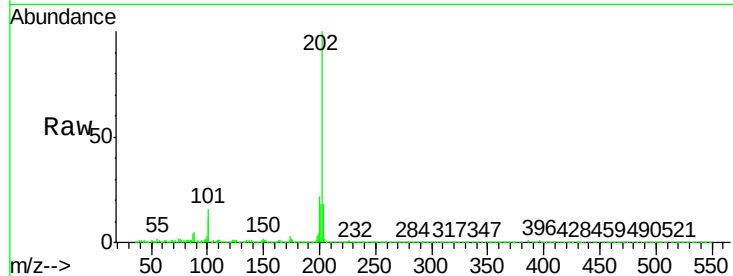




#77
 Pyrene
 Concen: 39.06 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: BF085236.D
 Acq: 5 Mar 2016 6:49

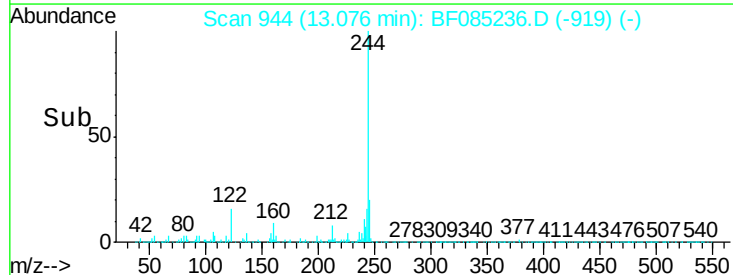
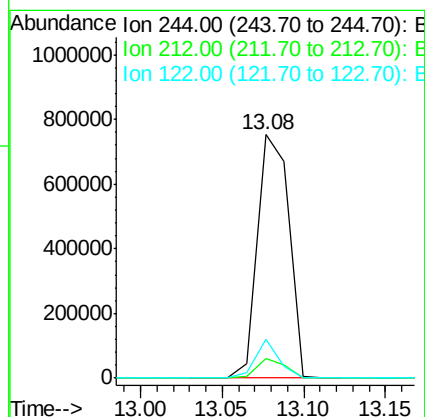
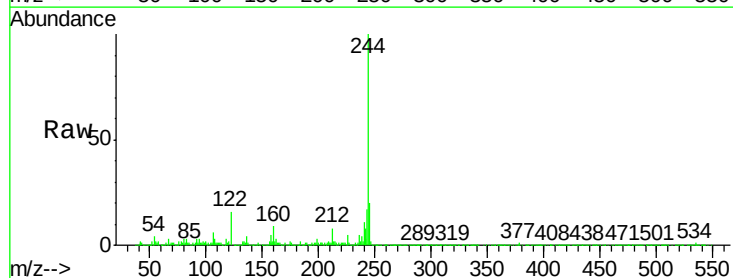
Instrument :
 BNA_F
 ClientSampleId :

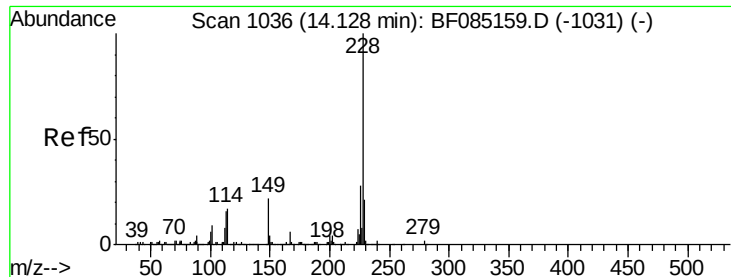
Tgt Ion:202 Resp: 768695
 Ion Ratio Lower Upper
 202 100
 200 22.0 18.2 27.4
 203 18.2 14.7 22.1



#78
 Terphenyl-d14
 Concen: 89.83 ng
 RT: 13.08 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF085236.D
 Acq: 5 Mar 2016 6:49

Tgt Ion:244 Resp: 1011930
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.4 9.6
 122 16.2 11.4 17.2





#80

Benzo(a)anthracene

Concen: 26.70 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

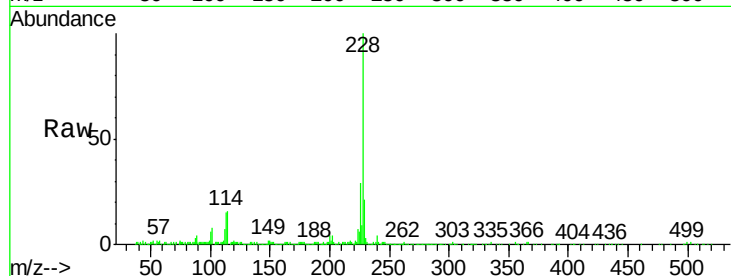
Tgt Ion:228 Resp: 417892

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

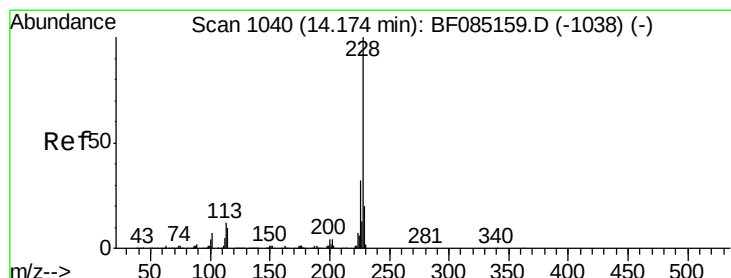
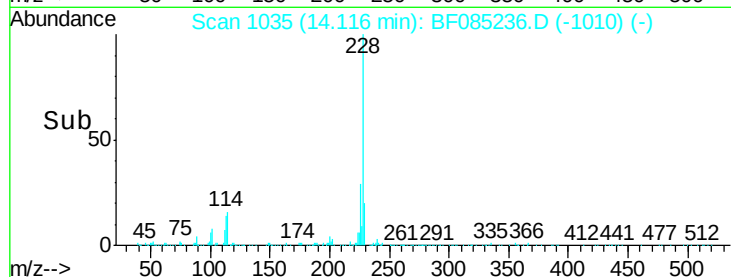
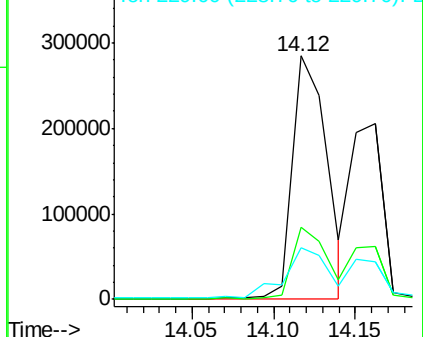
229 21.4 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 28.90 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.06 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

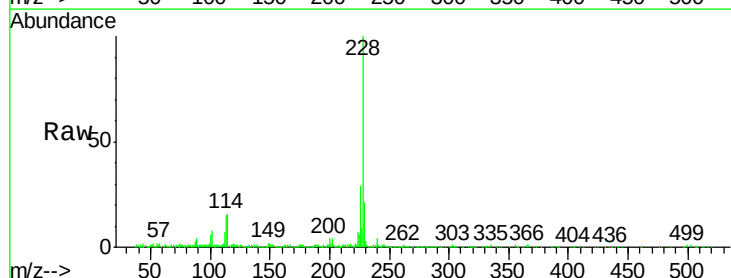
Tgt Ion:228 Resp: 417892

Ion Ratio Lower Upper

228 100

226 29.4 25.2 37.8

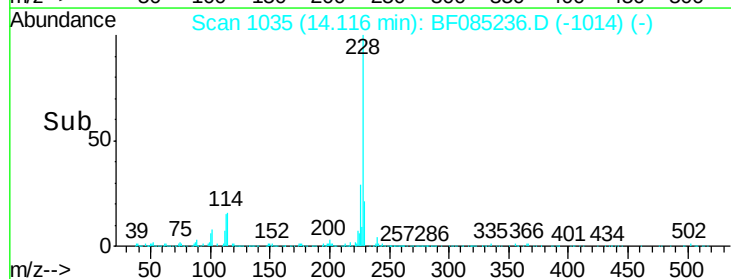
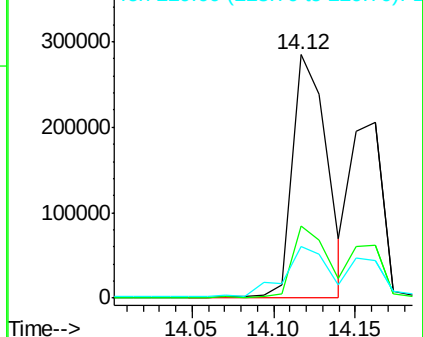
229 21.4 16.0 24.0

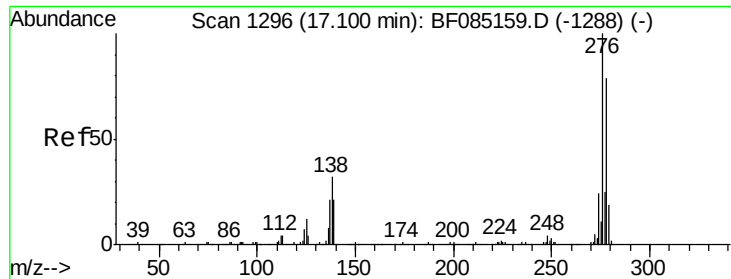


Abundance Ion 228.00 (227.70 to 228.70): E

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: 14.91 ng

RT: 17.07 min Scan# 1293

Delta R.T. -0.03 min

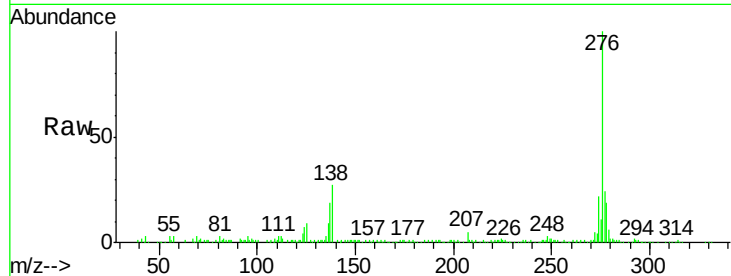
Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :



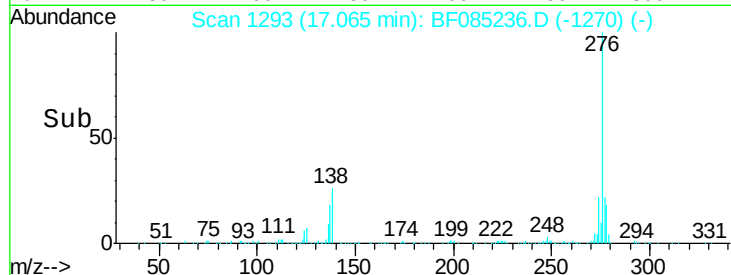
Tgt Ion:276 Resp: 168298

Ion Ratio Lower Upper

276 100

138 28.4 26.4 39.6

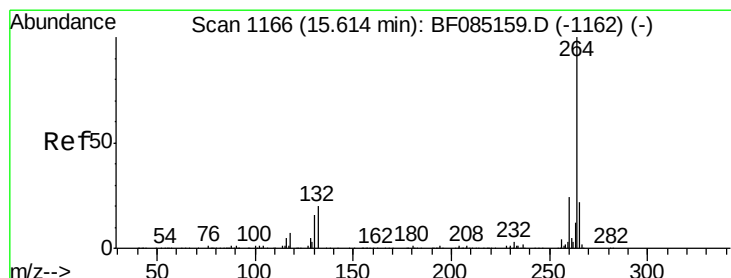
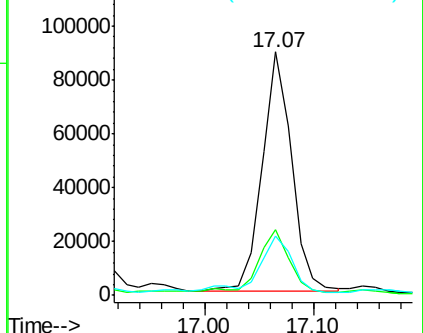
277 28.9 20.2 30.2



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: 15.60 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

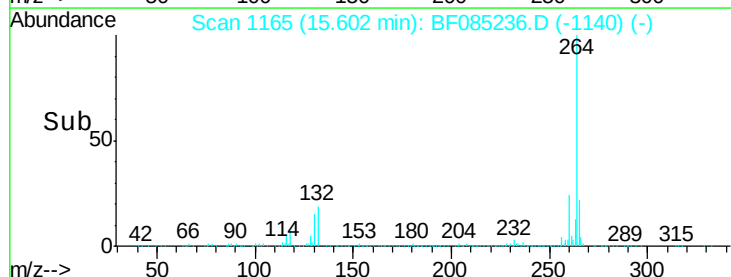
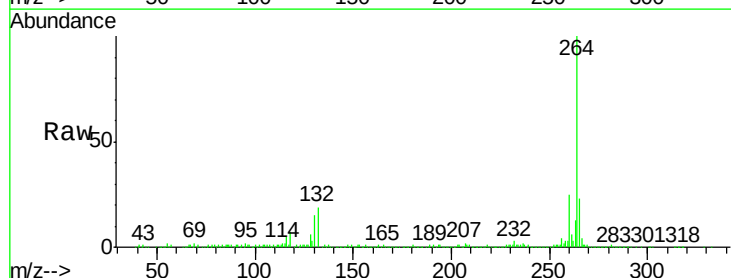
Tgt Ion:264 Resp: 283766

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

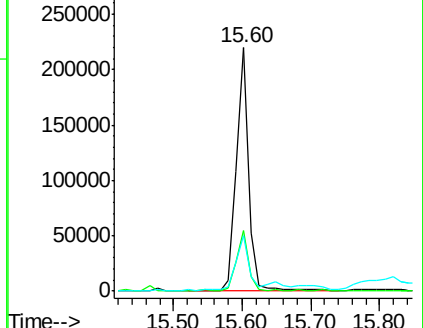
265 22.6 17.3 25.9

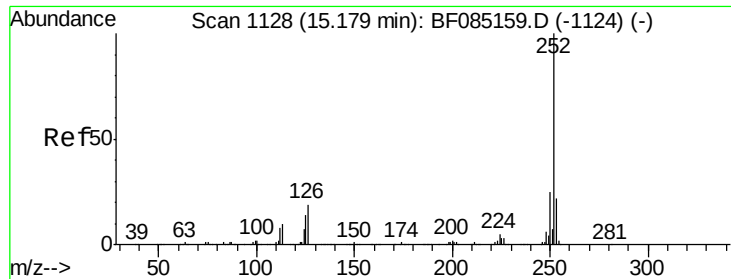


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

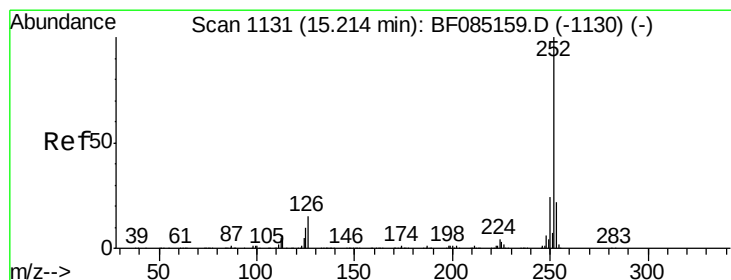
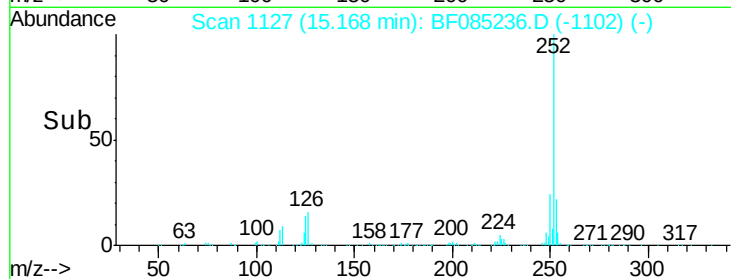
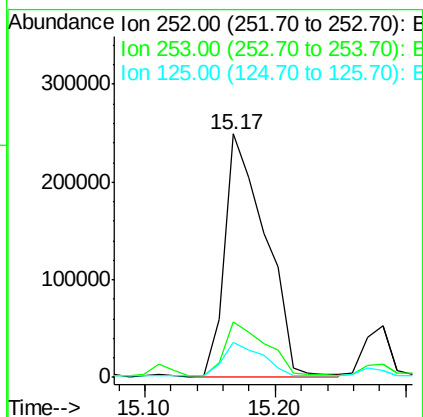
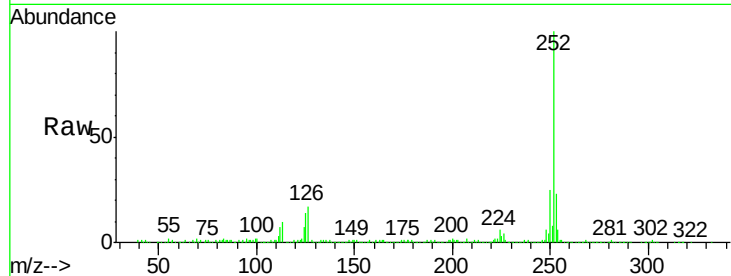




#87
Benzo(b)fluoranthene
Concen: 28.49 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

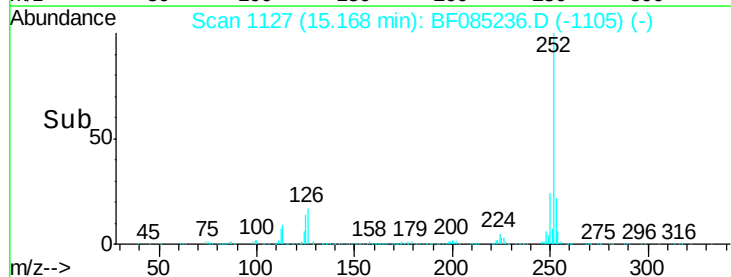
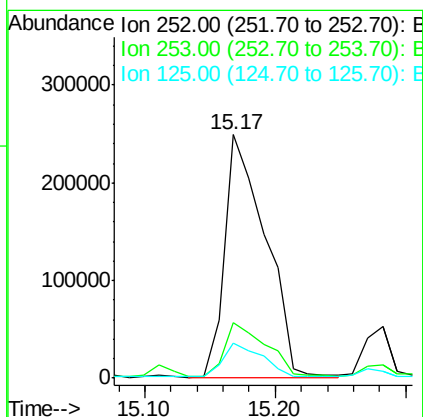
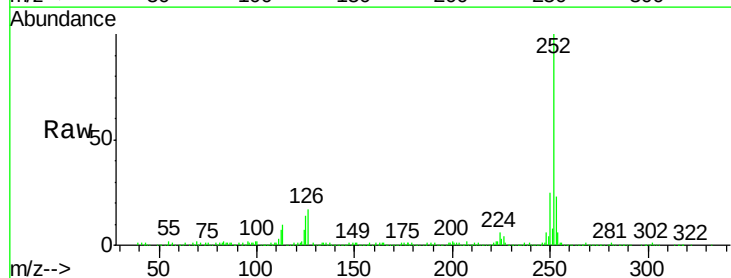
Instrument :
BNA_F
ClientSampleId :

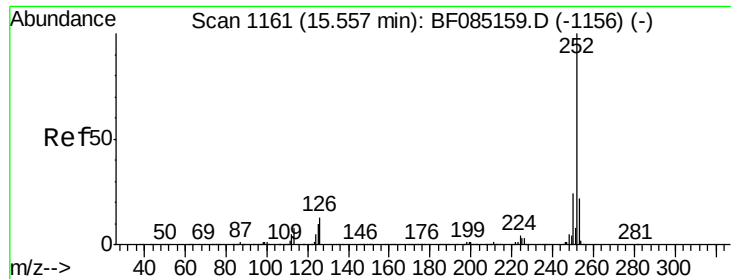
Tgt Ion:252 Resp: 538806
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 14.4 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 35.32 ng
RT: 15.17 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF085236.D
Acq: 5 Mar 2016 6:49

Tgt Ion:252 Resp: 538806
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 14.4 10.4 15.6





#89

Benzo(a)pyrene

Concen: 18.90 ng

RT: 15.53 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :

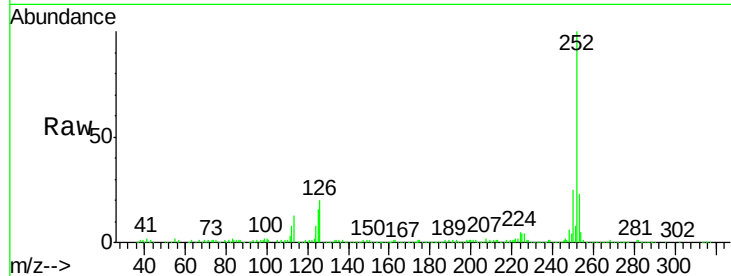
Tgt Ion:252 Resp: 296189

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

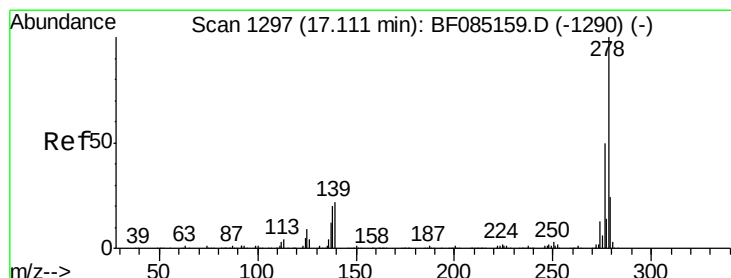
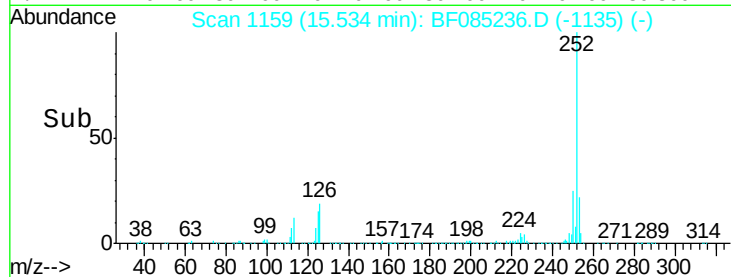
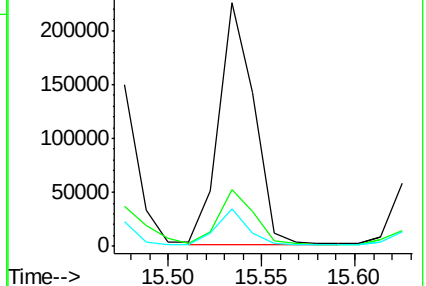
125 15.6 8.2 12.4#



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: 2.92 ng

RT: 17.25 min Scan# 1309

Delta R.T. 0.14 min

Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

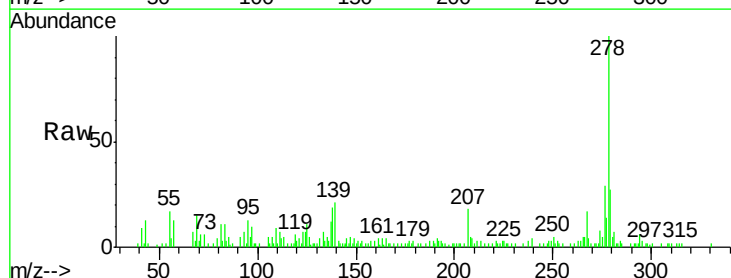
Tgt Ion:278 Resp: 39102

Ion Ratio Lower Upper

278 100

139 21.4 17.3 25.9

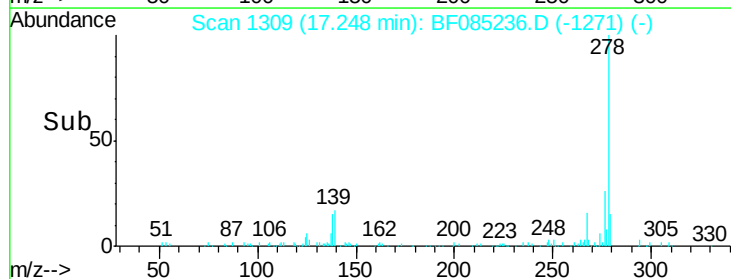
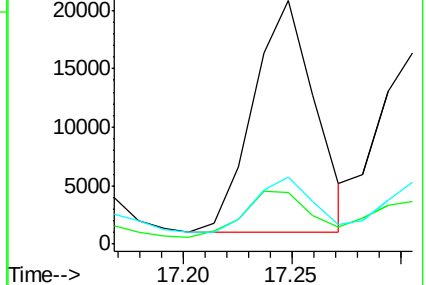
279 27.5 19.2 28.8

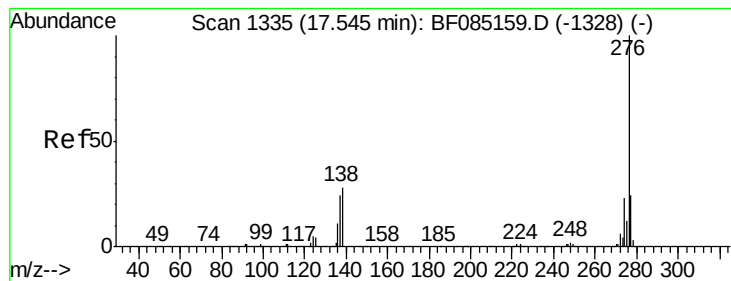


Abundance Ion 278.00 (277.70 to 278.70): E

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: 11.20 ng

RT: 17.51 min Scan# 1332

Delta R.T. -0.03 min

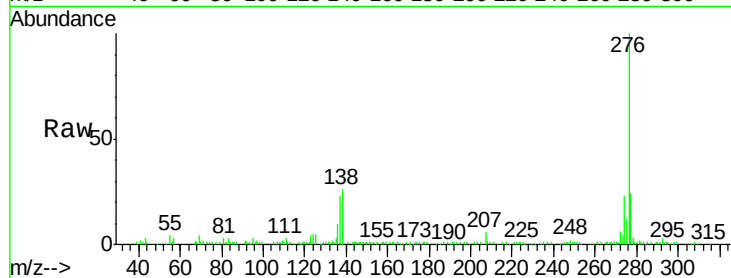
Lab File: BF085236.D

Acq: 5 Mar 2016 6:49

Instrument :

BNA_F

ClientSampleId :



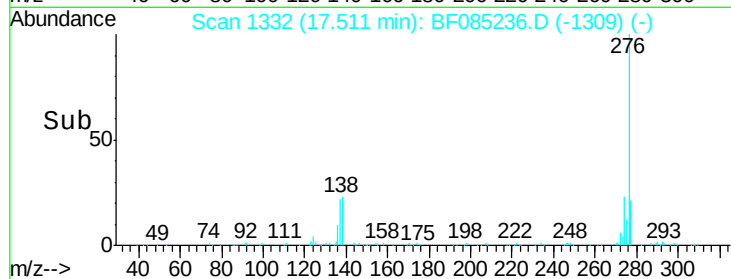
Tgt Ion: 276 Resp: 150694

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 25.9 22.5 33.7



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

