

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079296.D
 Acq On : 16 May 2015 6:16
 Operator : TP/IZ
 Sample : G2215-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-37S

Quant Time: May 18 00:57:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.75	136	299463	20.00	ng	-0.05
38) Acenaphthene-d10	10.92	164	138080	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	251302	20.00	ng	-0.06
75) Chrysene-d12	16.65	240	12743	20.00	ng	0.15
86) Perylene-d12	19.03	264	320	20.00	ng	0.15

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.87	82	282207	54.16	ng	-0.05
41) 2,4,6-Tribromophenol	11.91	330	128570	86.07	ng	-0.05
44) 2-Fluorobiphenyl	10.10	172	572742	57.79	ng	-0.05
78) Terphenyl-d14	15.06	244	735	1.38	ng	0.14

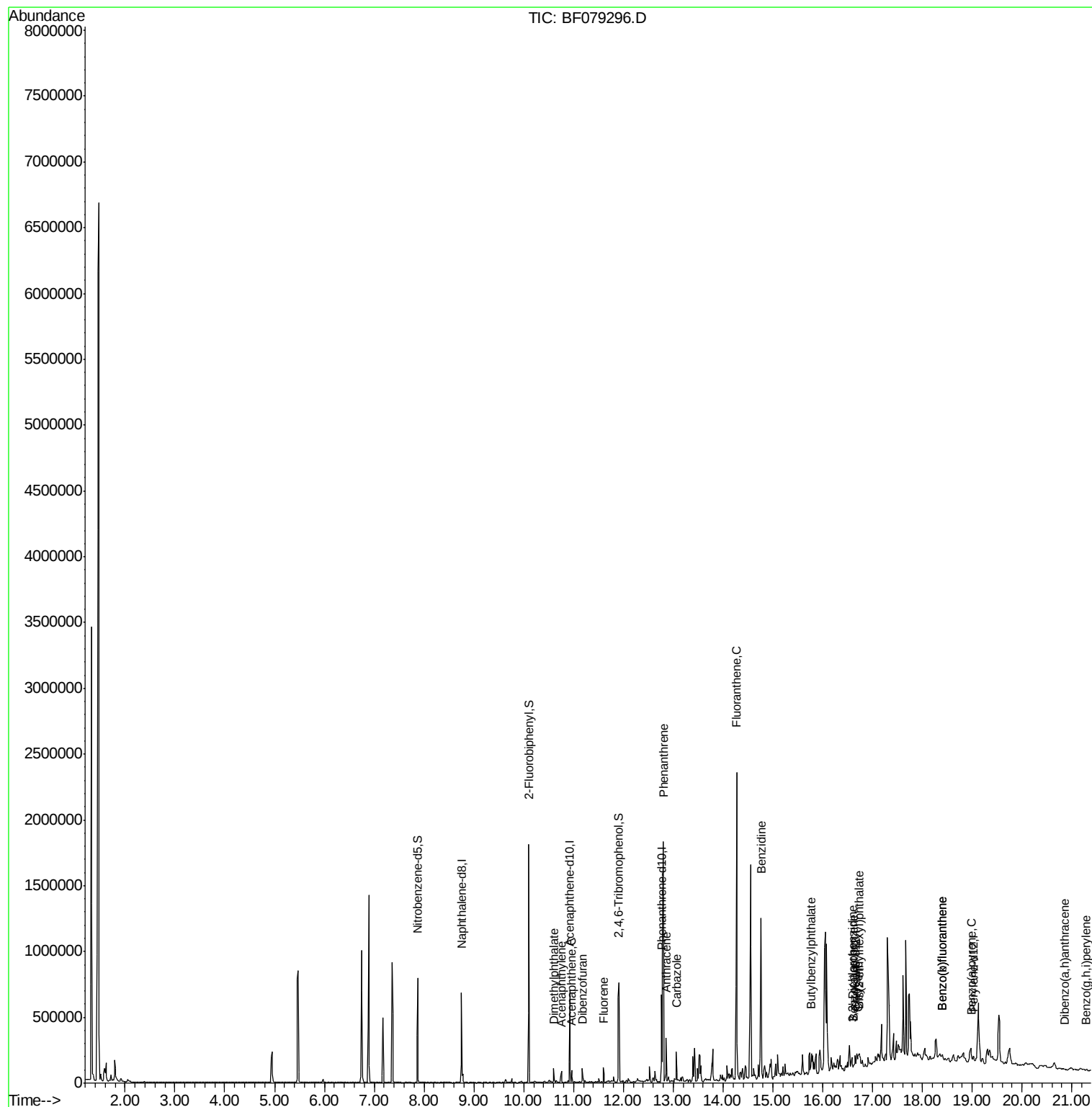
Target Compounds					Qvalue	
48) Acenaphthylene	10.75	152	48904	3.48	ng	98
49) Dimethylphthalate	10.60	163	39793	3.93	ng	98
51) Acenaphthene	10.96	154	23791	2.84	ng	97
54) Dibenzofuran	11.18	168	42142	3.48	ng	99
57) Fluorene	11.60	166	39207	3.94	ng	97
70) Phenanthrene	12.80	178	817320	58.14	ng	99
71) Anthracene	12.86	178	130359	9.45	ng	99
72) Carbazole	13.06	167	96512	7.34	ng	98
74) Fluoranthene	14.27	202	969384	66.17	ng	97
76) Benzidine	14.77	184	7683	22.37	ng	# 86
79) Butylbenzylphthalate	15.77	149	781	2.43	ng	# 62
80) Benzo(a)anthracene	16.62	228	1760	2.52	ng	# 1
81) 3,3'-Dichlorobenzidine	16.61	252	1755	7.06	ng	# 61
82) Chrysene	16.71	228	1413	2.11	ng	# 1
83) Bis(2-ethylhexyl)phthalate	16.73	149	1639	3.37	ng	# 81
87) Benzo(b)fluoranthene	18.39	252	1149	65.60	ng	# 1
88) Benzo(k)fluoranthene	18.39	252	1149	67.76	ng	# 1
89) Benzo(a)pyrene	18.99	252	2566	159.10	ng	# 1
90) Dibenzo(a,h)anthracene	20.86	278	658	38.39	ng	# 1
91) Benzo(g,h,i)perylene	21.28	276	1413	82.25	ng	# 24

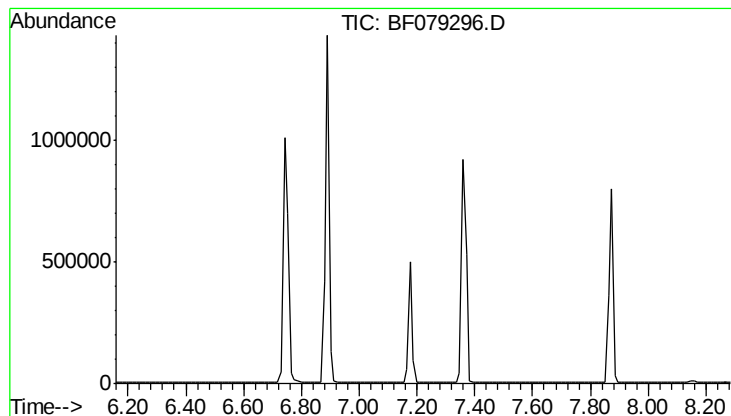
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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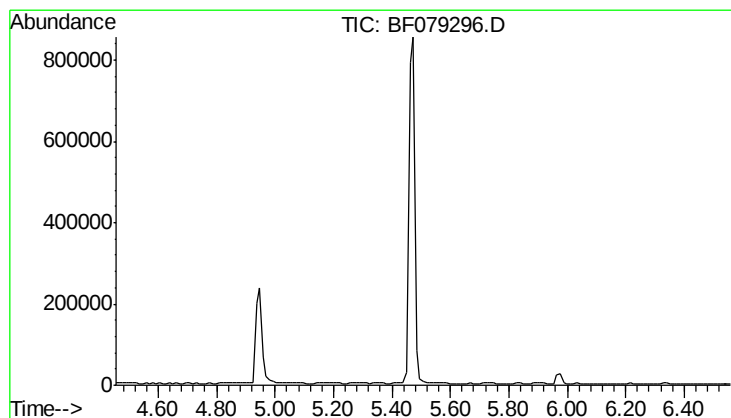
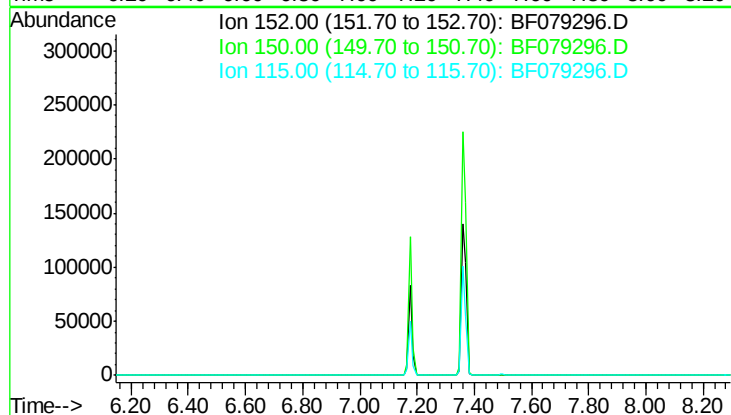




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 7.22 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

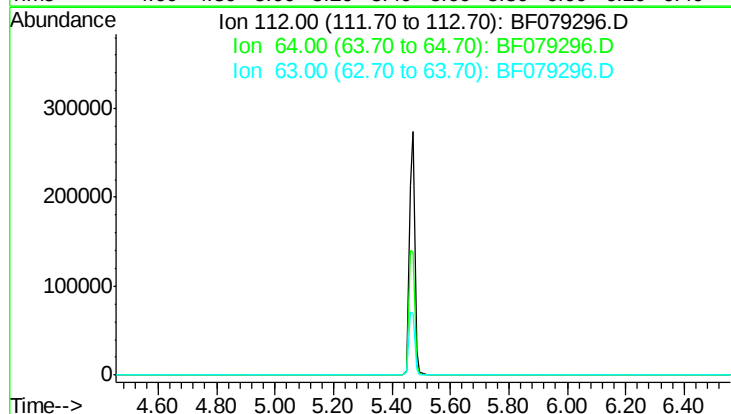
Instrument :
 BNA_F
 ClientSampleId :
 SB-37S

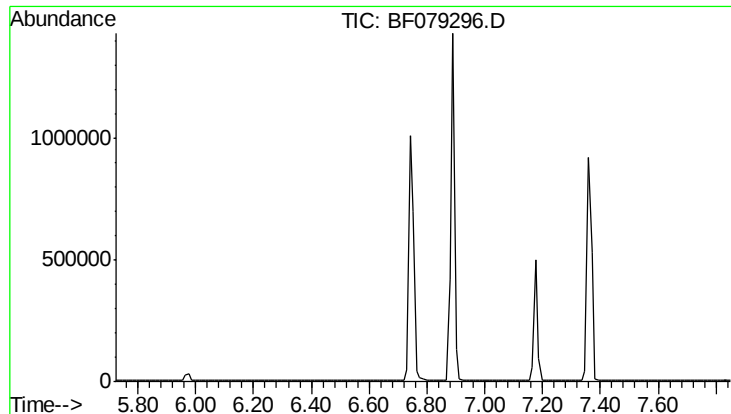
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 154.8
 115 61.7



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.51 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 55.2
 63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

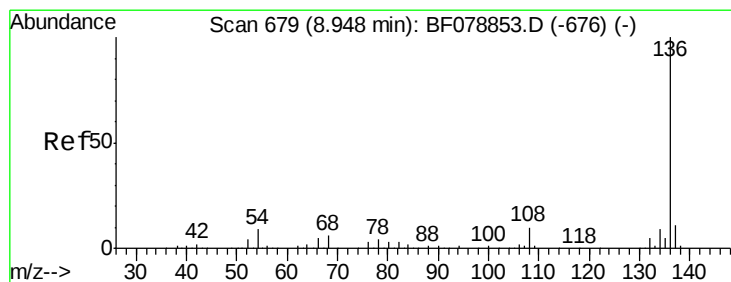
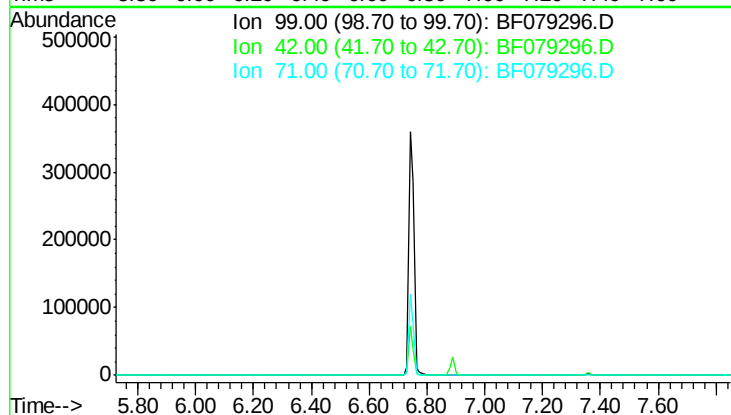
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 662

Delta R.T. -0.05 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Tgt Ion:136 Resp: 299463

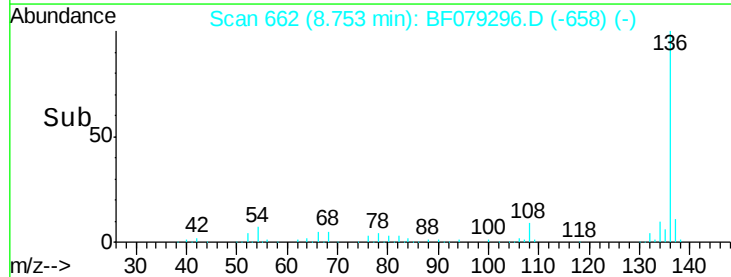
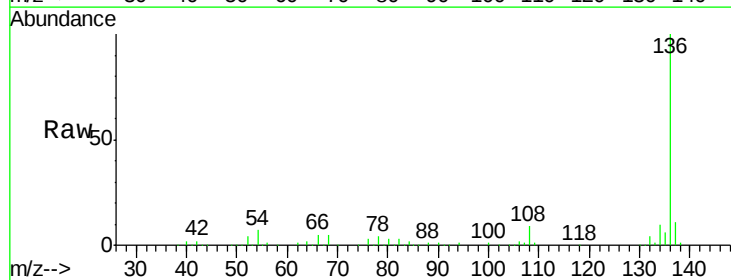
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.1 6.9 10.3

68 5.3 4.9 7.3

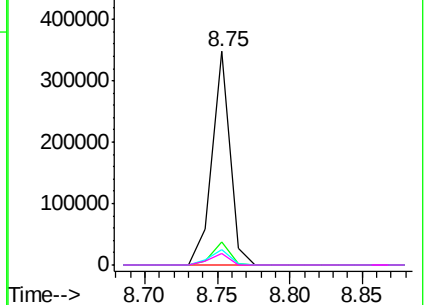


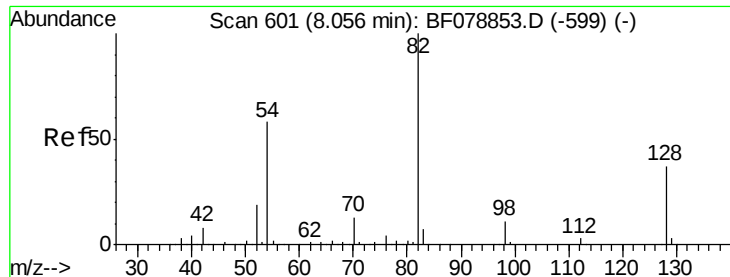
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

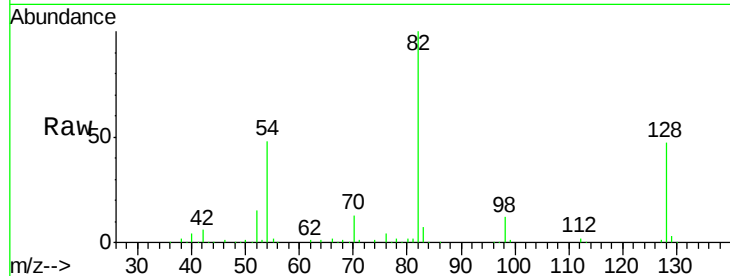




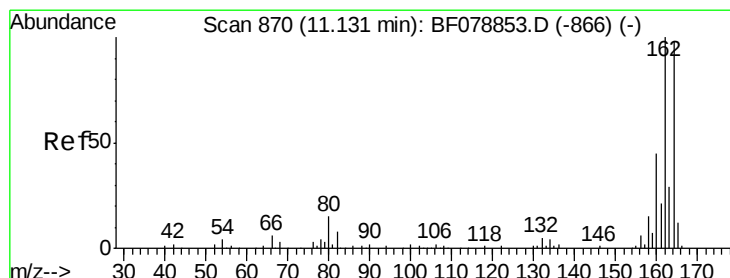
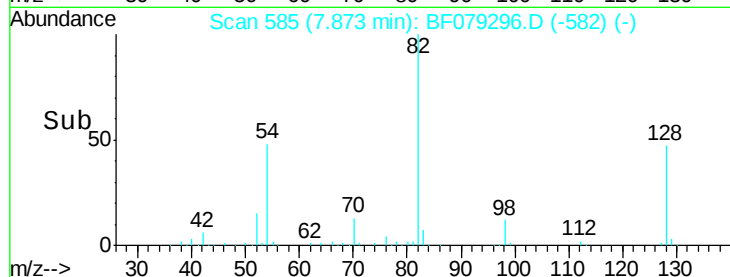
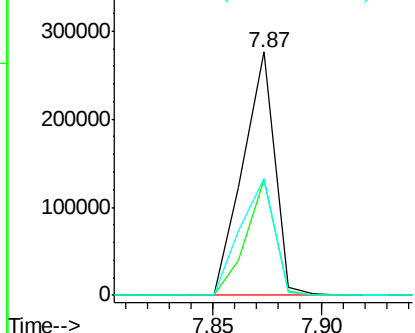
#23
 Nitrobenzene-d5
 Concen: 54.16 ng
 RT: 7.87 min Scan# 585
 Delta R.T. -0.05 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 SB-37S

Tgt Ion: 82 Resp: 282207
 Ion Ratio Lower Upper
 82 100
 128 47.3 29.7 44.5#
 54 47.8 46.2 69.4

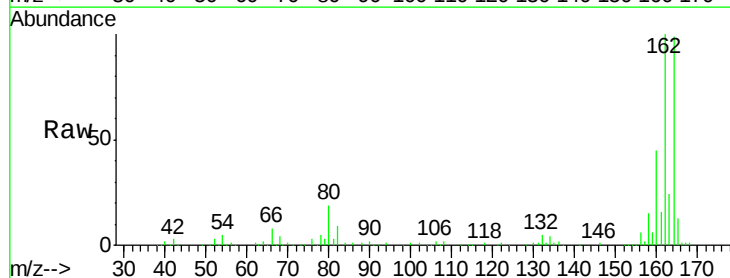


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

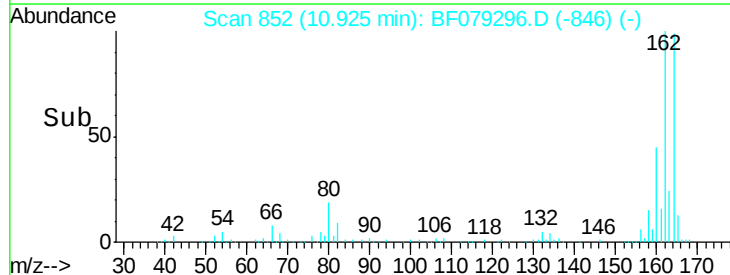
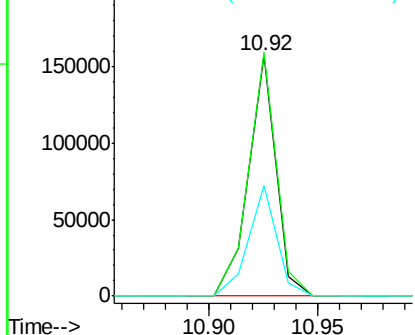


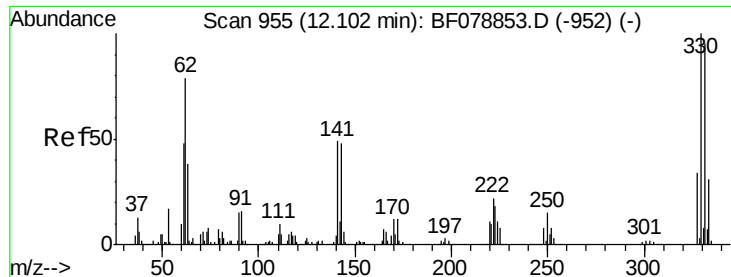
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.92 min Scan# 852
 Delta R.T. -0.05 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Tgt Ion: 164 Resp: 138080
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.4 122.0
 160 46.0 36.6 54.8



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

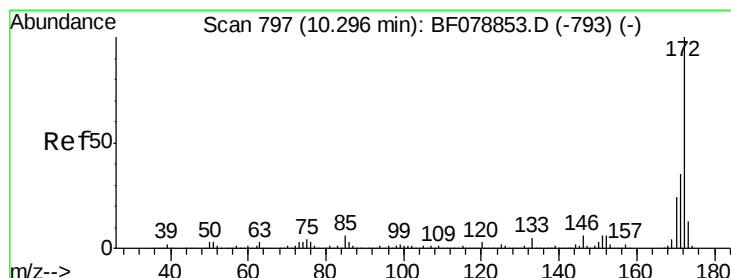
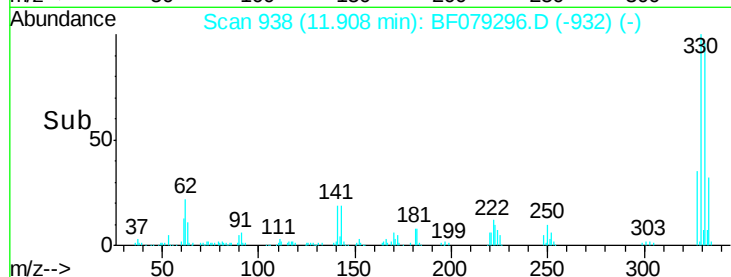
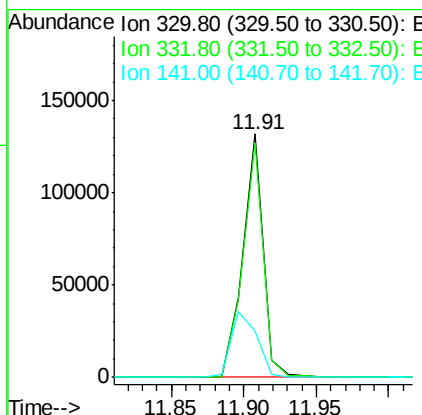
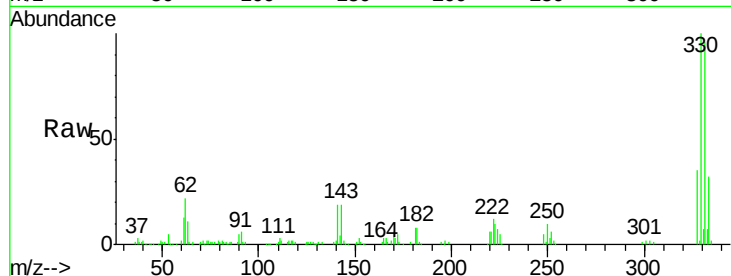




#41
 2,4,6-Tribromophenol
 Concen: 86.07 ng
 RT: 11.91 min Scan# 938
 Delta R.T. -0.05 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

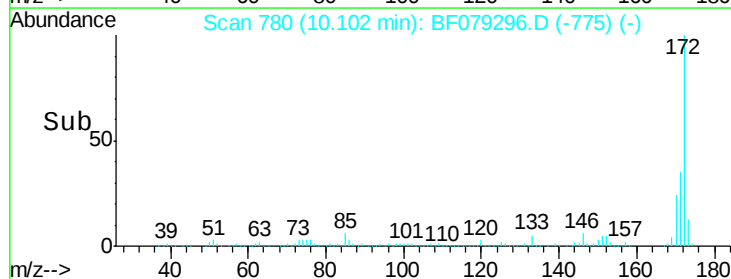
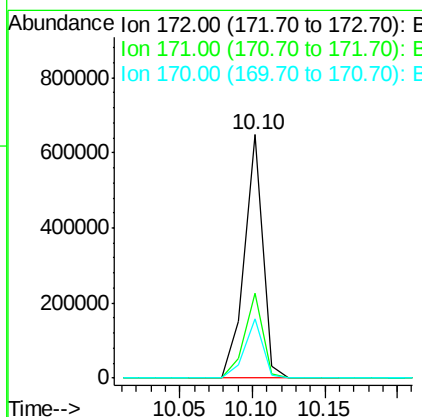
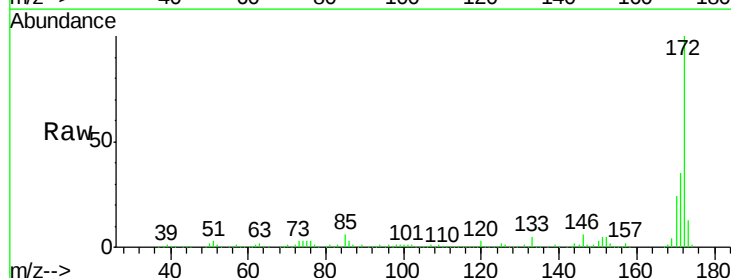
Instrument :
 BNA_F
 ClientSampleId :
 SB-37S

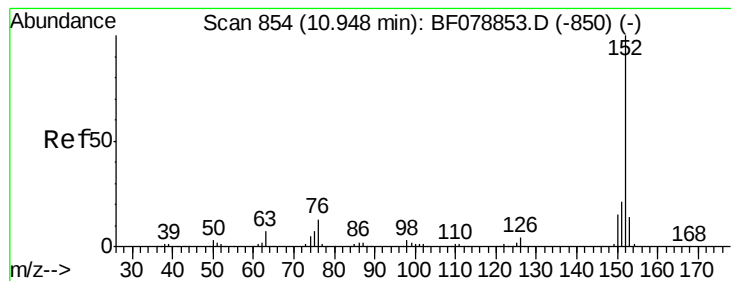
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	34.7	27.8	41.8



#44
 2-Fluorobiphenyl
 Concen: 57.79 ng
 RT: 10.10 min Scan# 780
 Delta R.T. -0.05 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	24.1	19.4	29.2





#48

Acenaphthylene

Concen: 3.48 ng

RT: 10.75 min Scan# 837

Delta R.T. -0.05 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

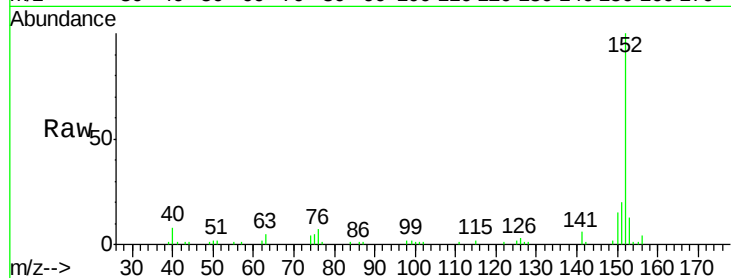
Tgt Ion:152 Resp: 48904

Ion Ratio Lower Upper

152 100

151 19.8 16.6 24.8

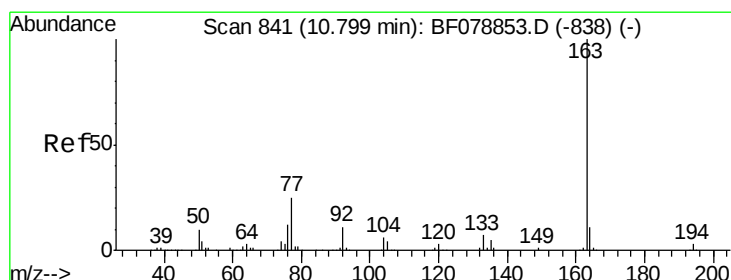
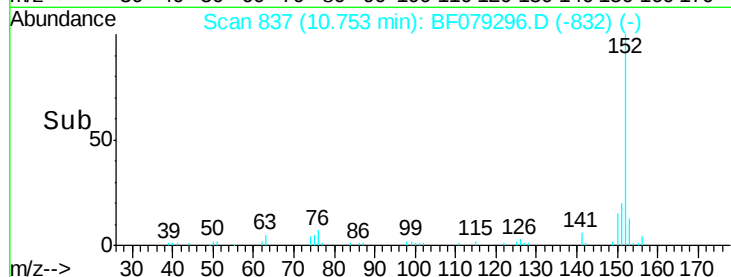
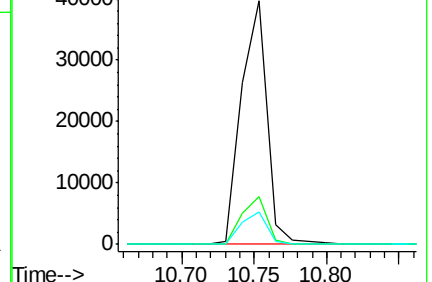
153 13.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.93 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

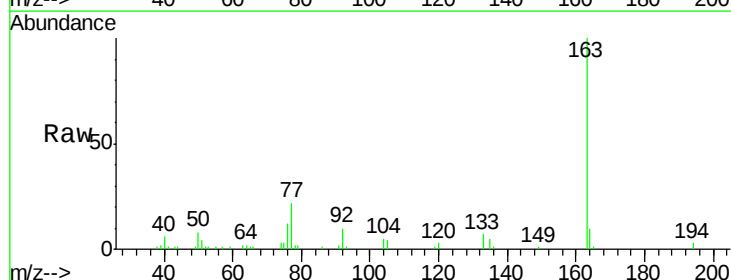
Tgt Ion:163 Resp: 39793

Ion Ratio Lower Upper

163 100

194 3.4 2.4 3.6

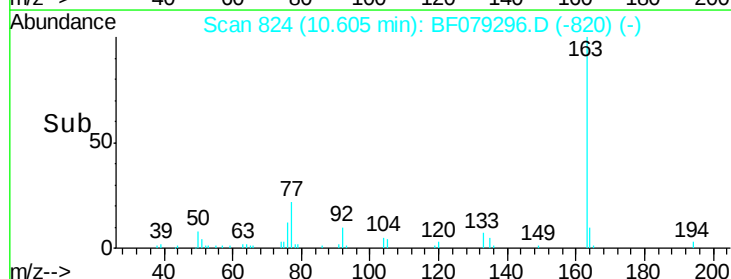
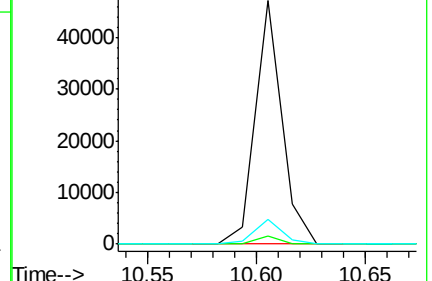
164 9.9 8.6 12.8

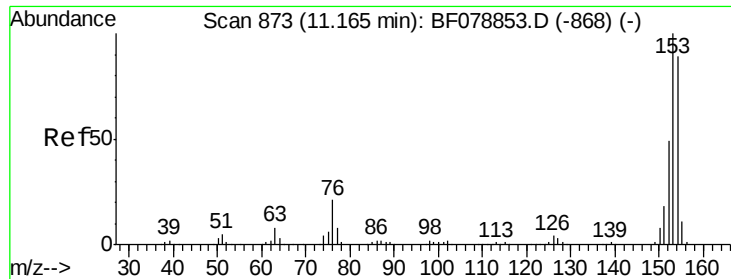


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.84 ng

RT: 10.96 min Scan# 855

Delta R.T. -0.06 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

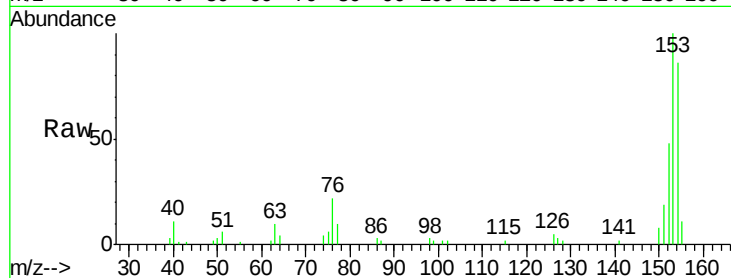
Tgt Ion:154 Resp: 23791

Ion Ratio Lower Upper

154 100

153 116.6 90.2 135.2

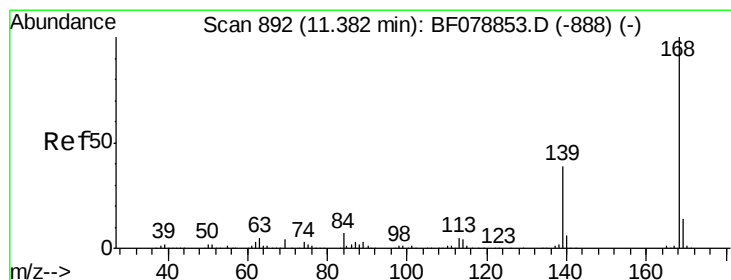
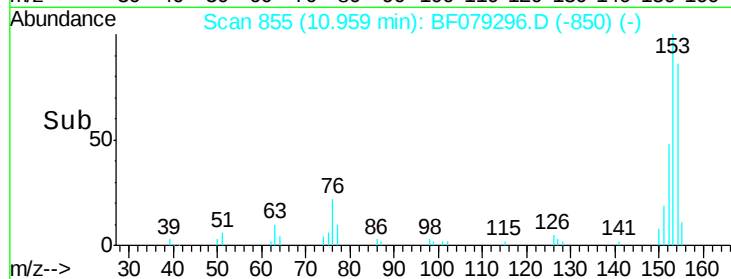
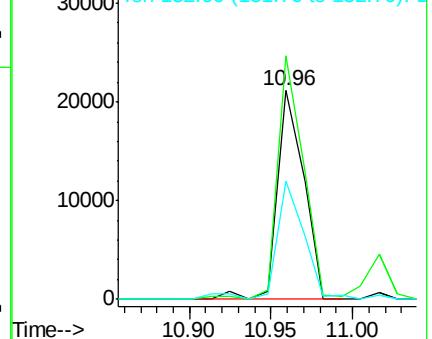
152 56.4 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.48 ng

RT: 11.18 min Scan# 874

Delta R.T. -0.06 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

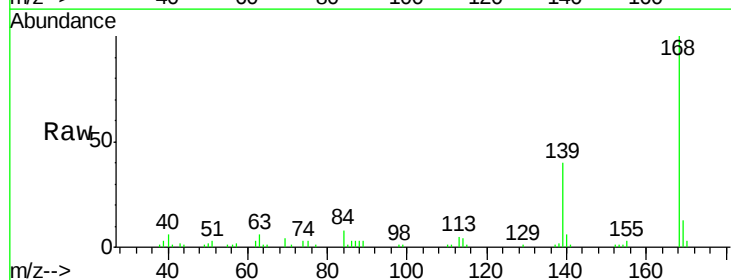
Tgt Ion:168 Resp: 42142

Ion Ratio Lower Upper

168 100

139 39.9 31.5 47.3

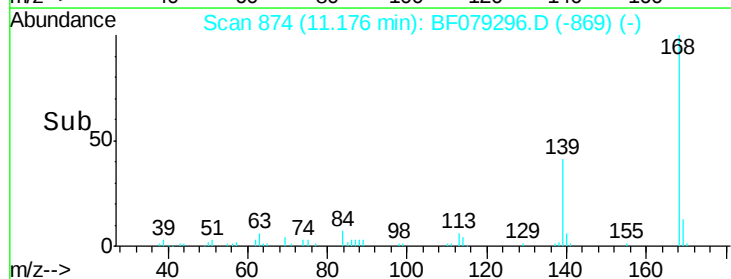
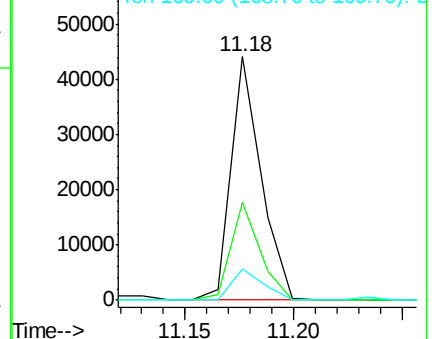
169 12.9 11.0 16.4

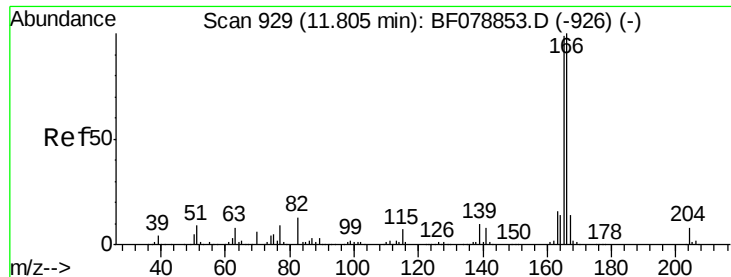


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

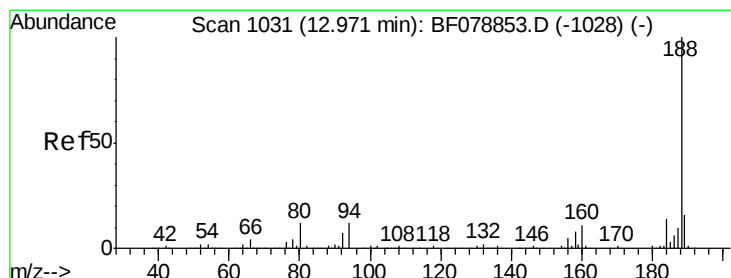
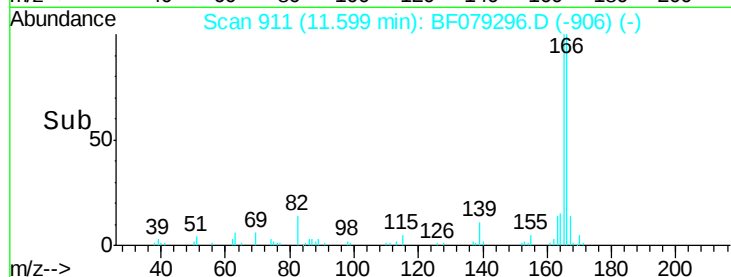
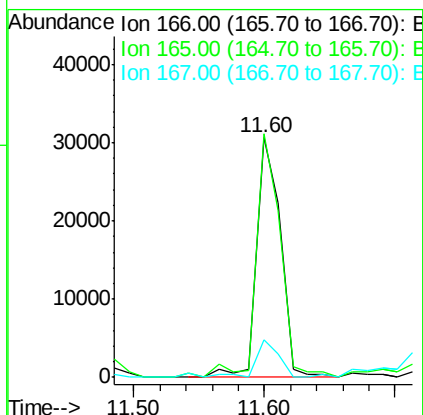
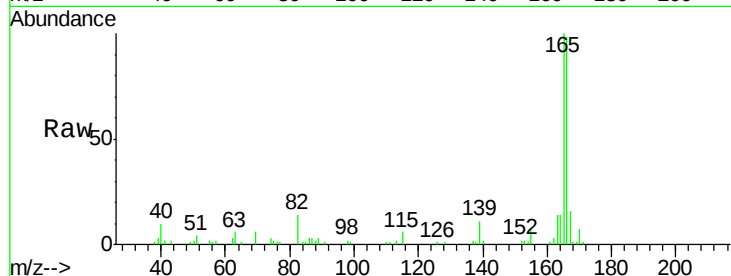




#57
Fluorene
 Concen: 3.94 ng
 RT: 11.60 min Scan# 911
 Delta R.T. -0.06 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

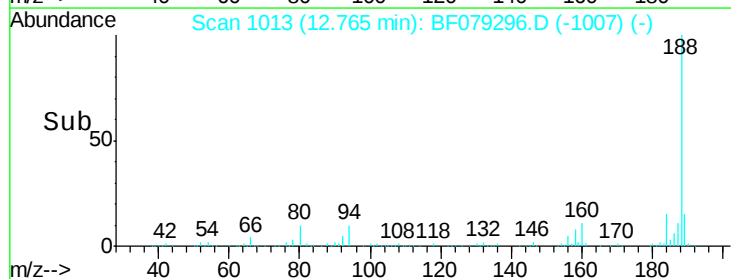
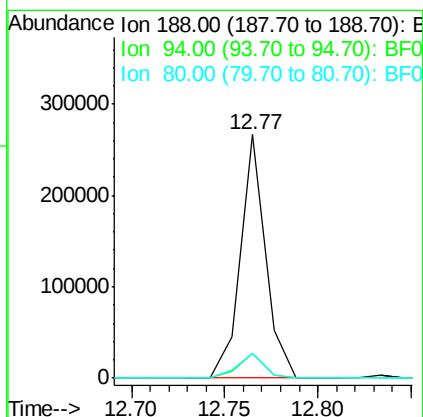
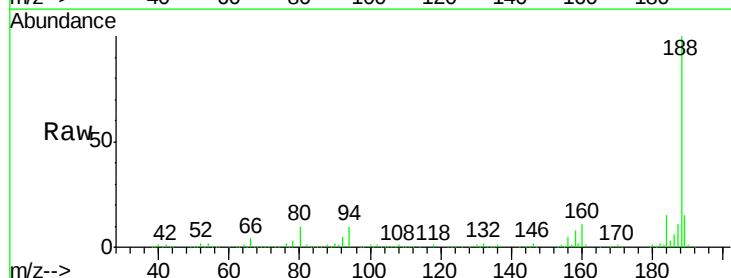
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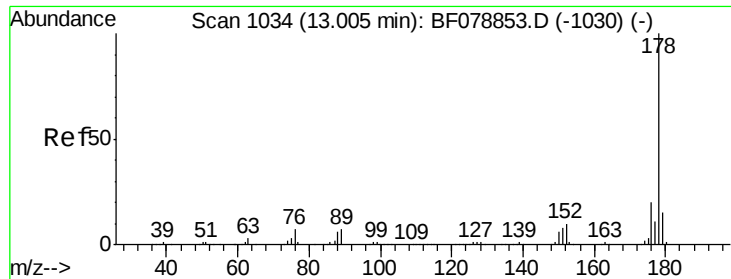
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	79.5	119.3
167	15.9	11.0	16.6



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. -0.06 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.0
80	10.3	9.8	14.6

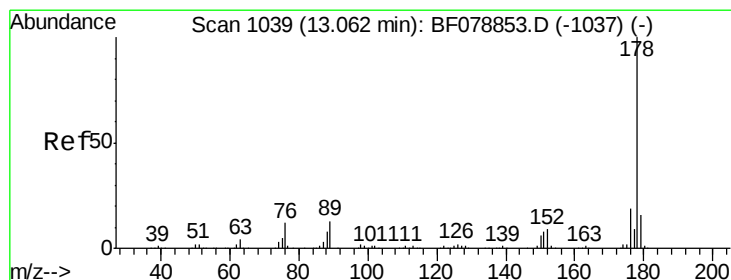
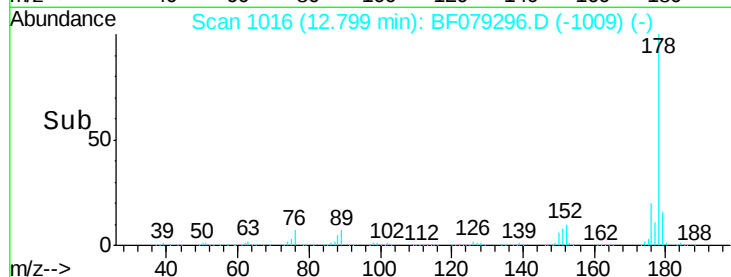
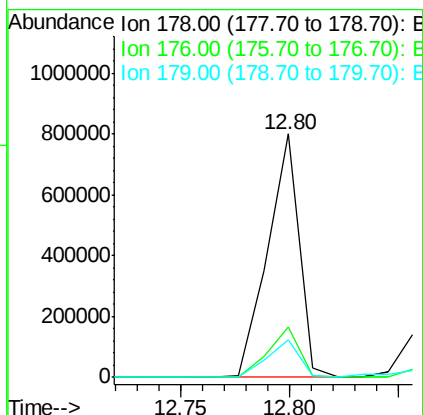
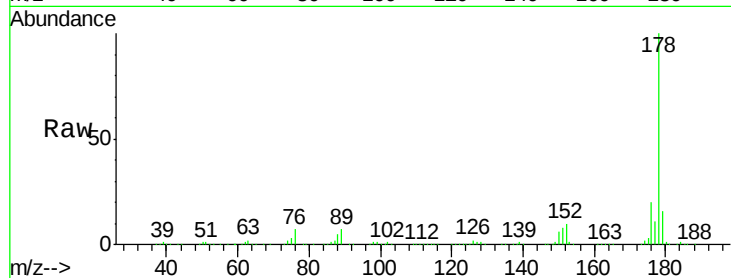




#70
 Phenanthrene
 Concen: 58.14 ng
 RT: 12.80 min Scan# 1016
 Delta R.T. -0.05 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

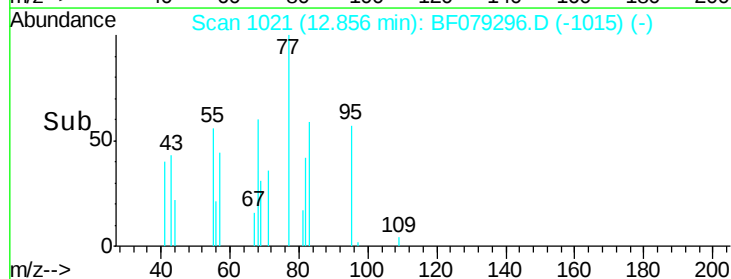
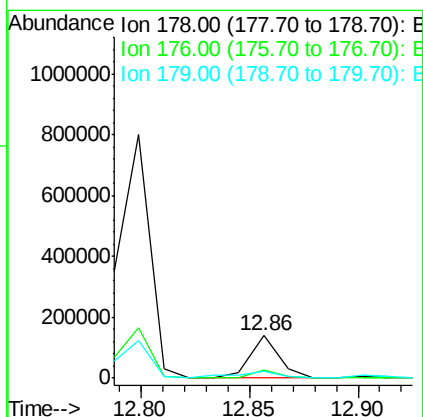
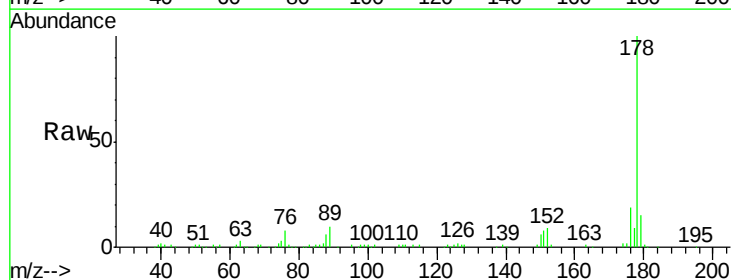
Instrument :
 BNA_F
 ClientSampleID :
 SB-37S

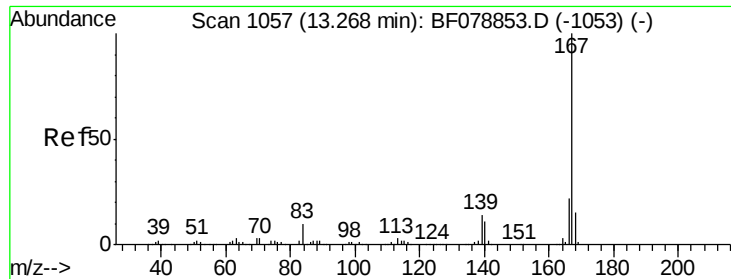
Tgt Ion:178 Resp: 817320
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.9 23.9
 179 15.6 12.2 18.4



#71
 Anthracene
 Concen: 9.45 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. -0.06 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Tgt Ion:178 Resp: 130359
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.1 12.6 19.0

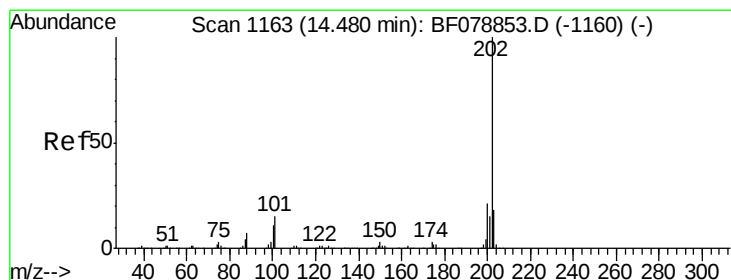
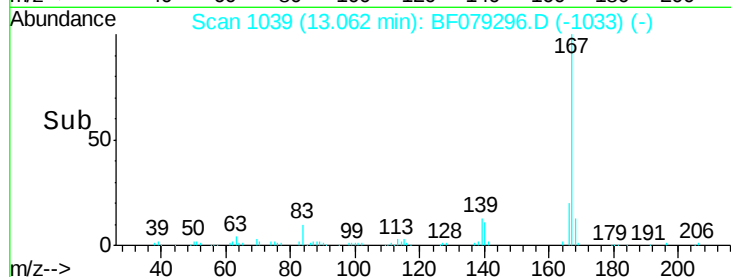
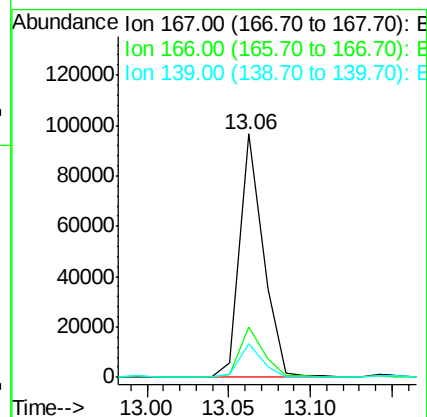
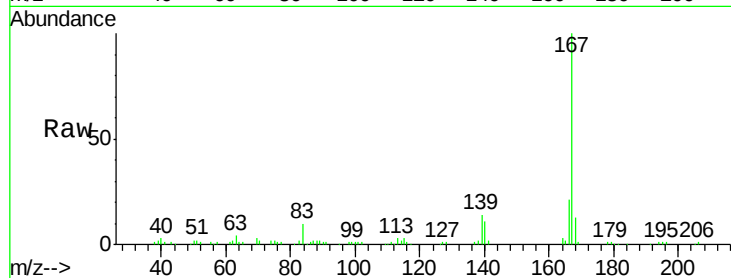




#72
 Carbazole
 Concen: 7.34 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.06 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

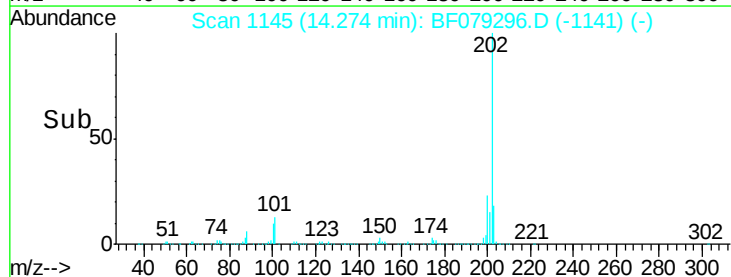
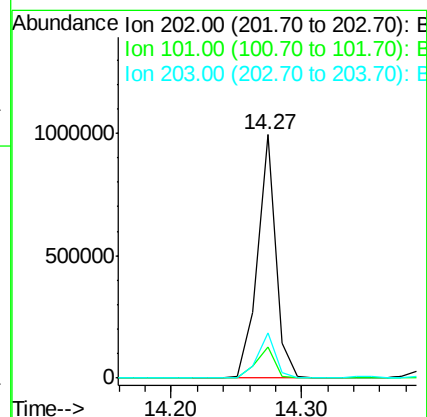
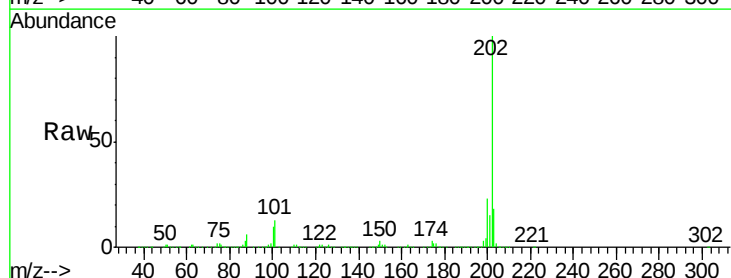
Instrument :
 BNA_F
 ClientSampleId :
 SB-37S

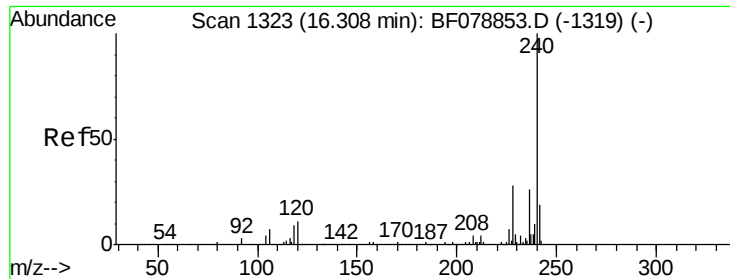
Tgt Ion:167 Resp: 96512
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.5 26.3
 139 13.9 11.0 16.4



#74
 Fluoranthene
 Concen: 66.17 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. -0.10 min
 Lab File: BF079296.D
 Acq: 16 May 2015 6:16

Tgt Ion:202 Resp: 969384
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 34.7
 203 18.4 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.65 min Scan# 1353

Delta R.T. 0.15 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

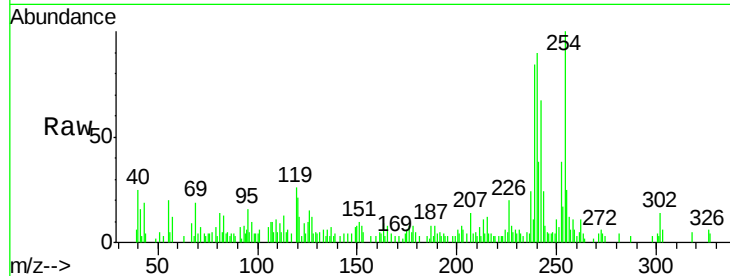
Tgt Ion:240 Resp: 12743

Ion Ratio Lower Upper

240 100

120 22.8 8.6 12.8#

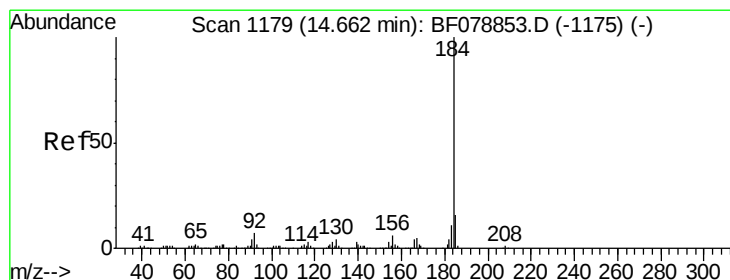
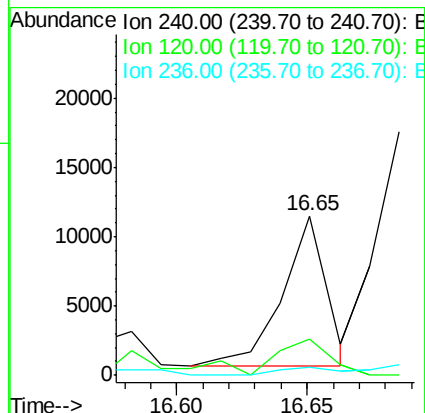
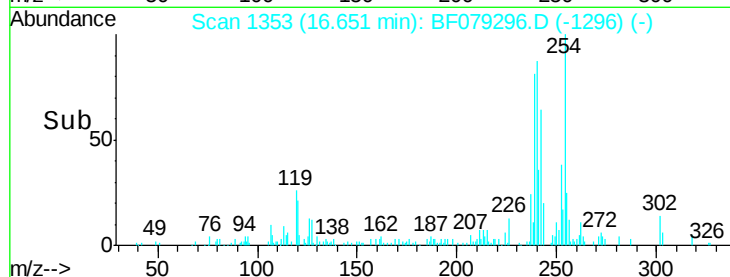
236 4.9 21.0 31.6#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 22.37 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.18 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

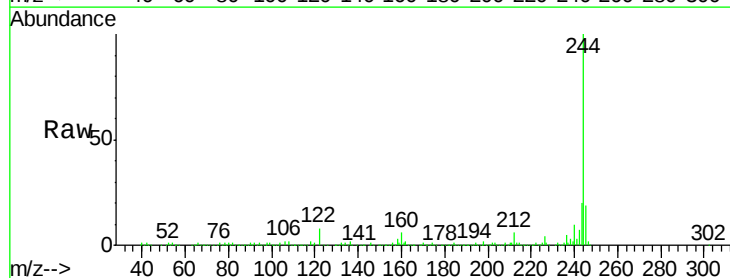
Tgt Ion:184 Resp: 7683

Ion Ratio Lower Upper

184 100

185 20.9 12.8 19.2#

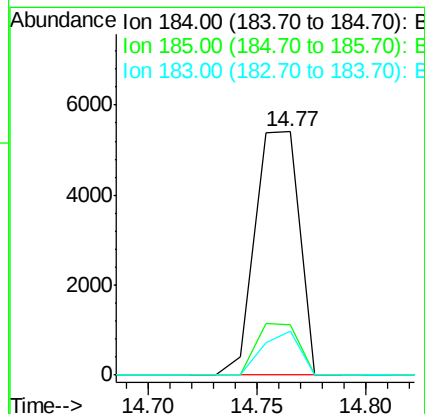
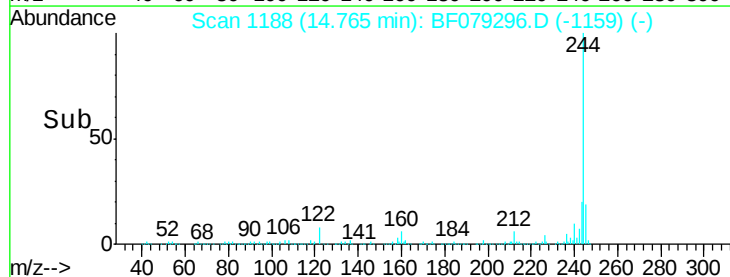
183 17.9 9.0 13.4#

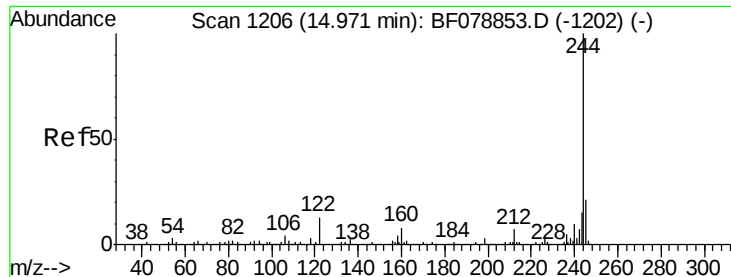


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 1.38 ng

RT: 15.06 min Scan# 1214

Delta R.T. 0.14 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

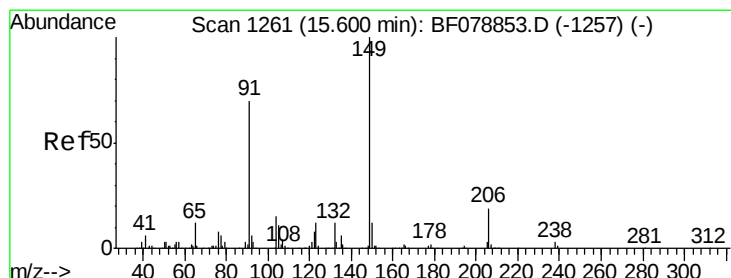
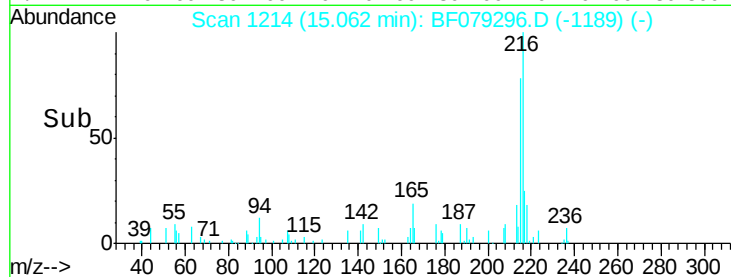
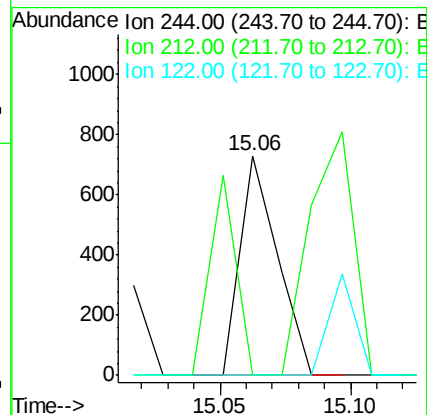
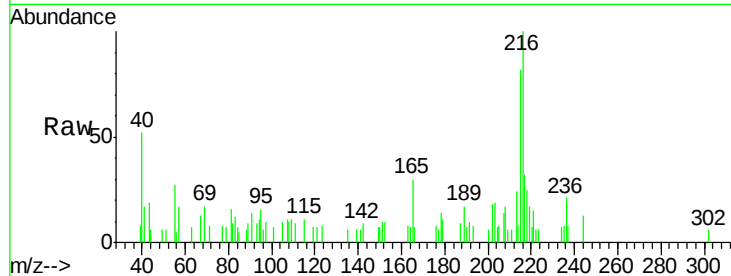
Tgt Ion:244 Resp: 735

Ion Ratio Lower Upper

244 100

212 0.0 5.6 8.4#

122 0.0 10.5 15.7#



#79

Butylbenzylphthalate

Concen: 2.43 ng

RT: 15.77 min Scan# 1276

Delta R.T. 0.10 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

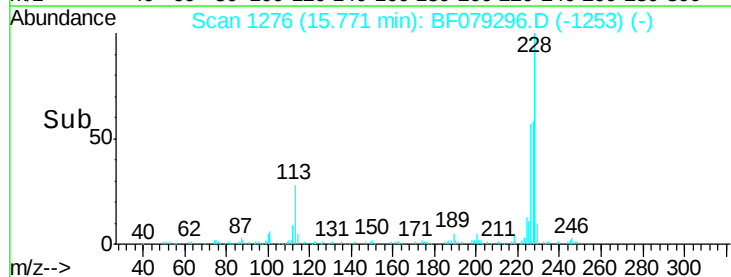
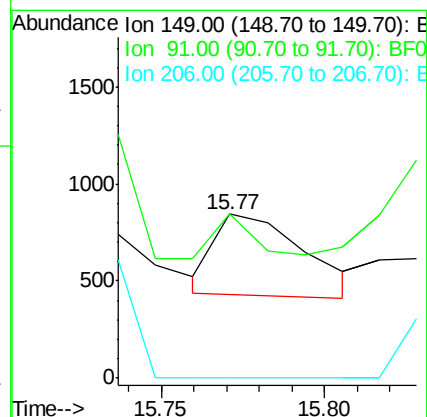
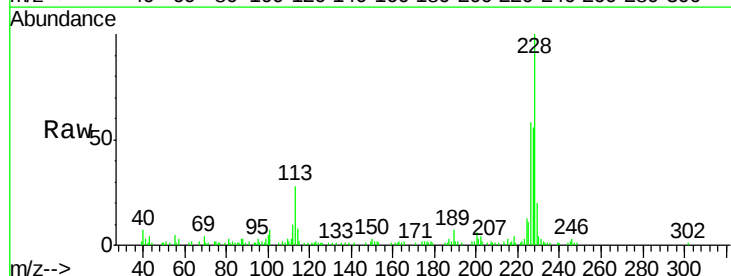
Tgt Ion:149 Resp: 781

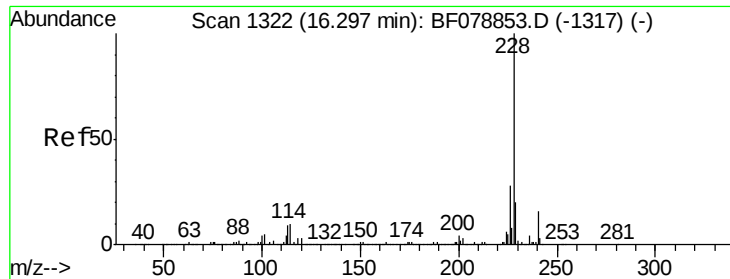
Ion Ratio Lower Upper

149 100

91 100.2 56.2 84.2#

206 0.0 15.2 22.8#





#80

Benzo(a)anthracene

Concen: 2.52 ng

RT: 16.62 min Scan# 1350

Delta R.T. 0.13 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampled :

SB-37S

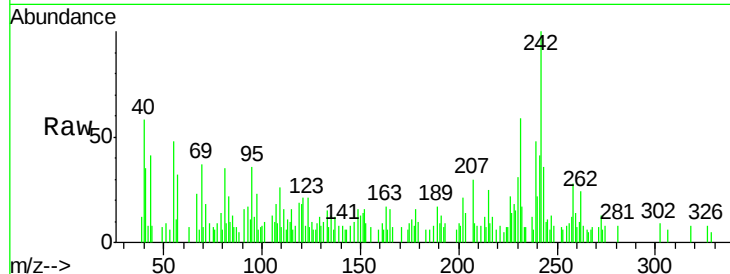
Tgt Ion: 228 Resp: 1760

Ion Ratio Lower Upper

228 100

226 121.4 22.3 33.5#

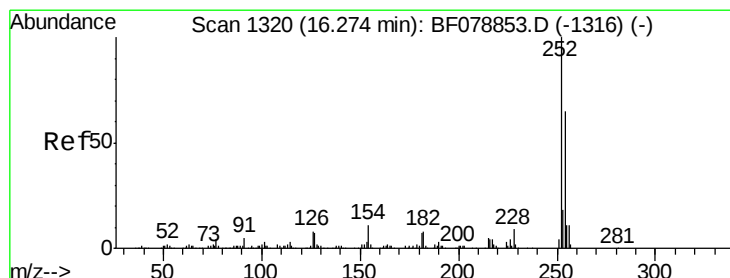
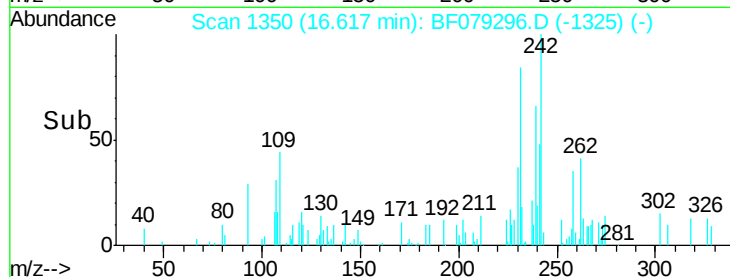
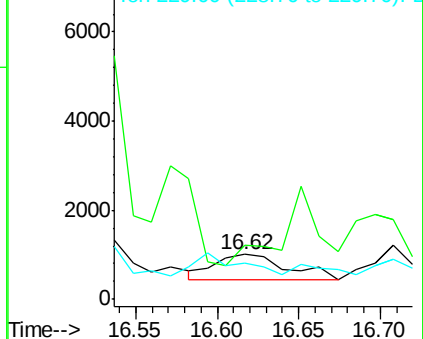
229 80.7 16.1 24.1#



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



#81

3,3'-Dichlorobenzidine

Concen: 7.06 ng

RT: 16.61 min Scan# 1349

Delta R.T. 0.14 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

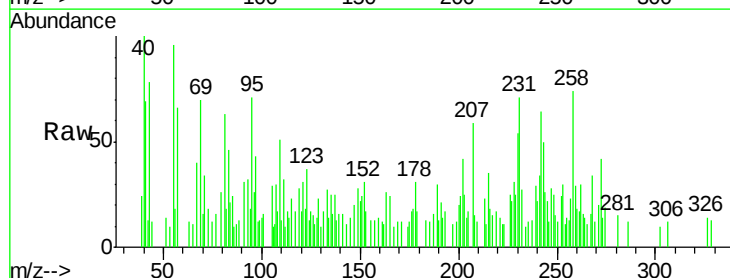
Tgt Ion: 252 Resp: 1755

Ion Ratio Lower Upper

252 100

254 45.6 52.2 78.2#

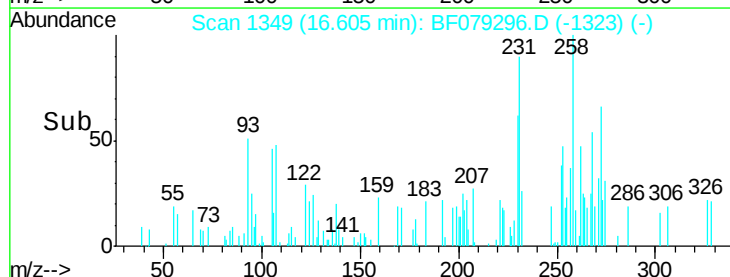
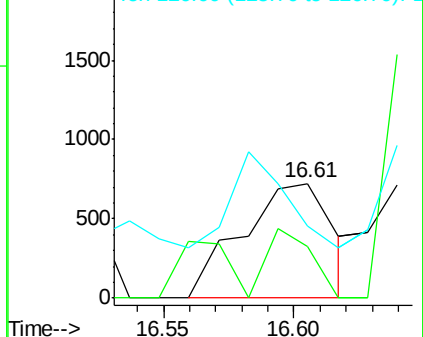
126 62.6 6.6 9.8#

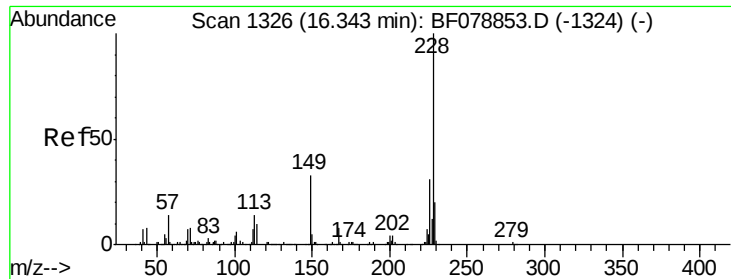


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 2.11 ng

RT: 16.71 min Scan# 1358

Delta R.T. 0.16 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

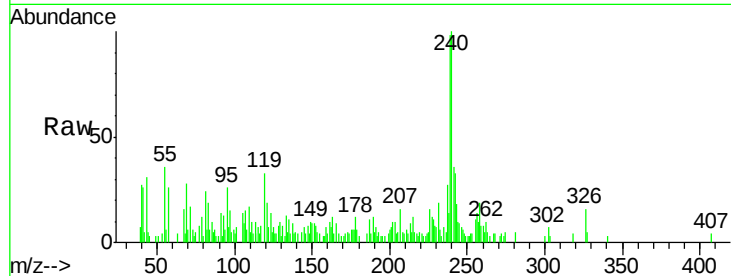
Tgt Ion: 228 Resp: 1413

Ion Ratio Lower Upper

228 100

226 146.3 24.8 37.2#

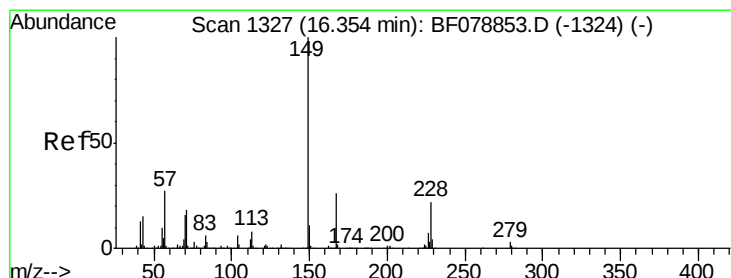
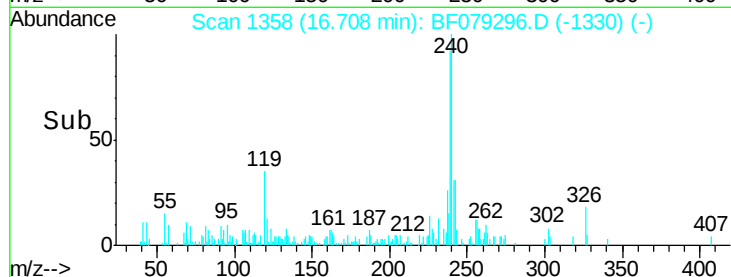
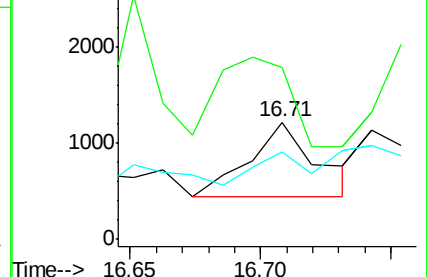
229 74.0 16.1 24.1#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.37 ng

RT: 16.73 min Scan# 1360

Delta R.T. 0.13 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

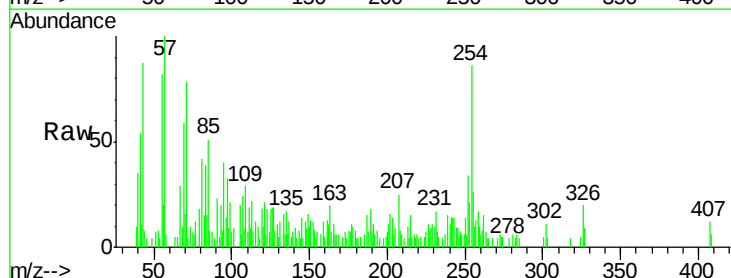
Tgt Ion: 149 Resp: 1639

Ion Ratio Lower Upper

149 100

167 36.7 21.2 31.8#

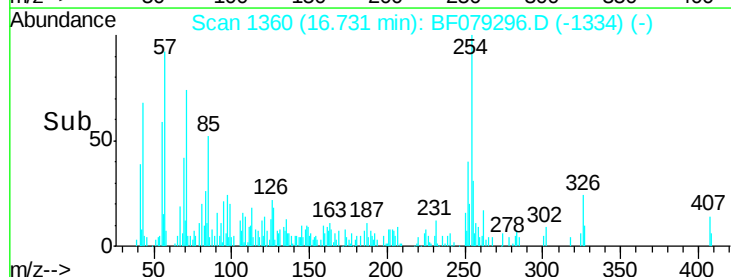
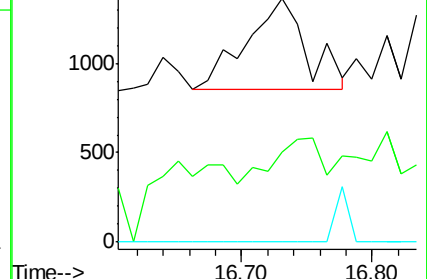
279 0.0 2.6 4.0#

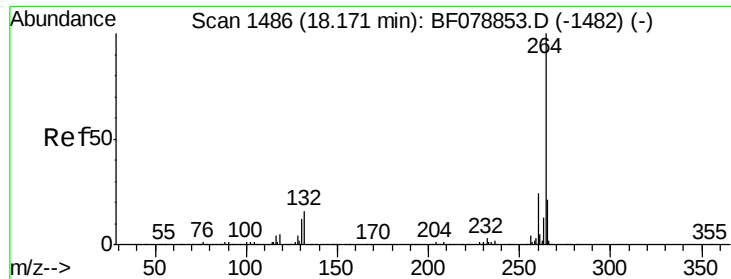


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

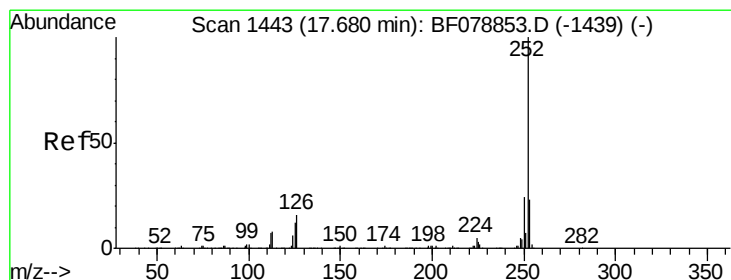
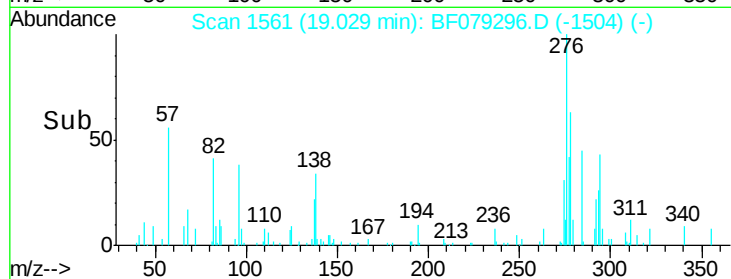
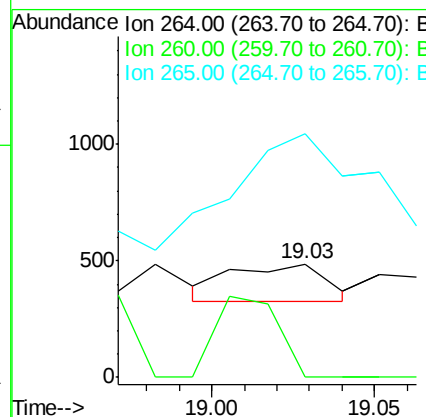
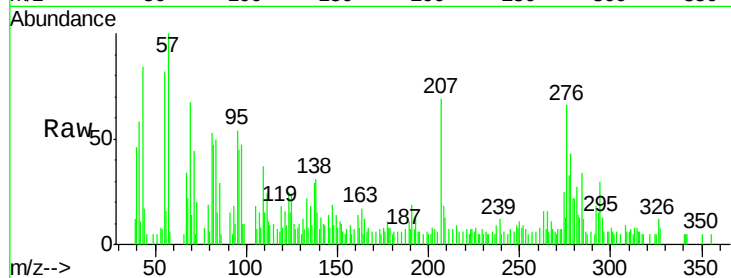




#86
Perylene-d12
Concen: 20.00 ng
RT: 19.03 min Scan# 1561
Delta R.T. 0.15 min
Lab File: BF079296.D
Acq: 16 May 2015 6:16

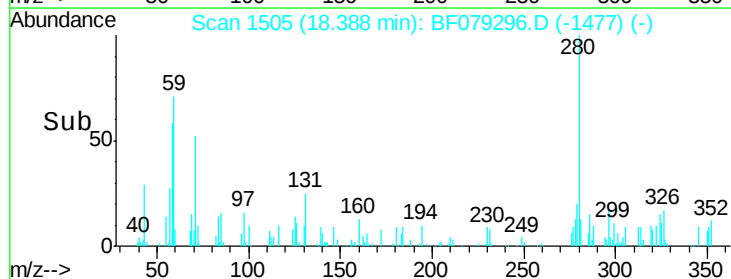
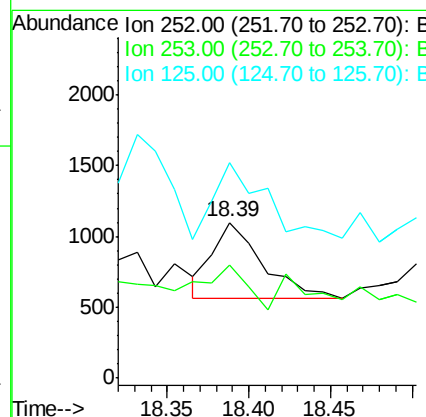
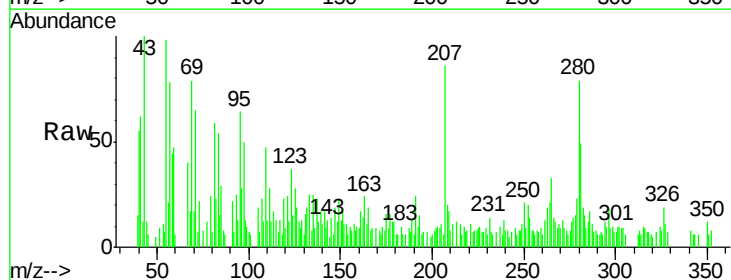
Instrument :
BNA_F
ClientSampleId :
SB-37S

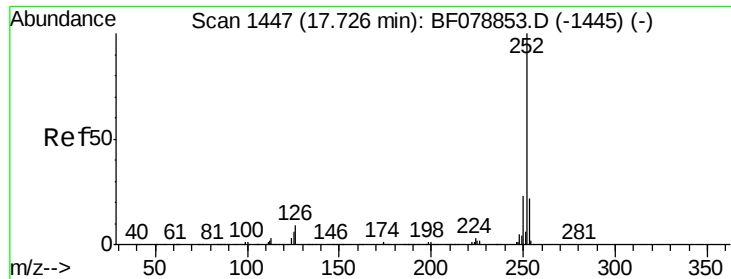
Tgt Ion: 264 Resp: 320
Ion Ratio Lower Upper
264 100
260 0.0 19.2 28.8#
265 214.8 17.2 25.8#



#87
Benzo(b)fluoranthene
Concen: 65.60 ng
RT: 18.39 min Scan# 1505
Delta R.T. 0.14 min
Lab File: BF079296.D
Acq: 16 May 2015 6:16

Tgt Ion: 252 Resp: 1149
Ion Ratio Lower Upper
252 100
253 72.5 18.1 27.1#
125 138.5 9.4 14.2#

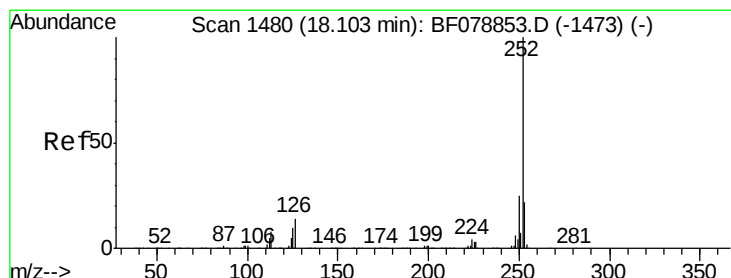
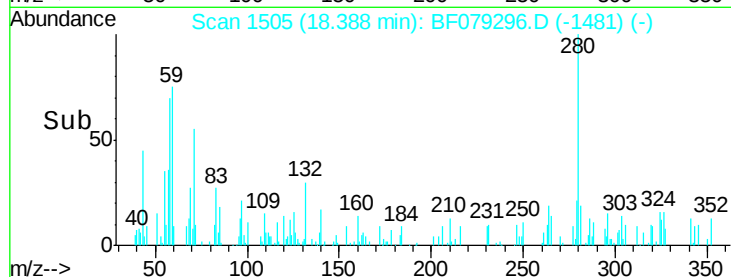
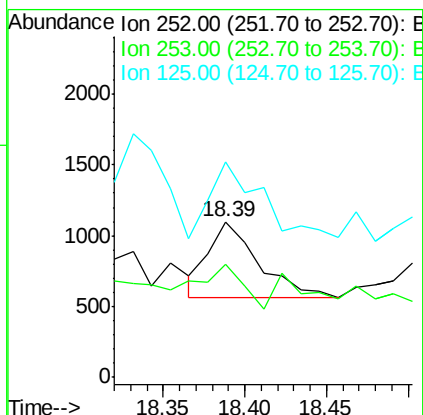
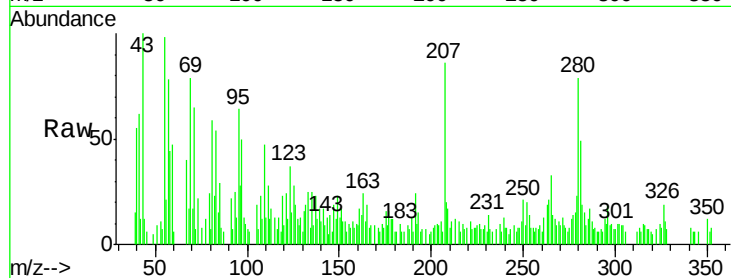




#88
Benzo(k)fluoranthene
Concen: 67.76 ng
RT: 18.39 min Scan# 1505
Delta R.T. 0.09 min
Lab File: BF079296.D
Acq: 16 May 2015 6:16

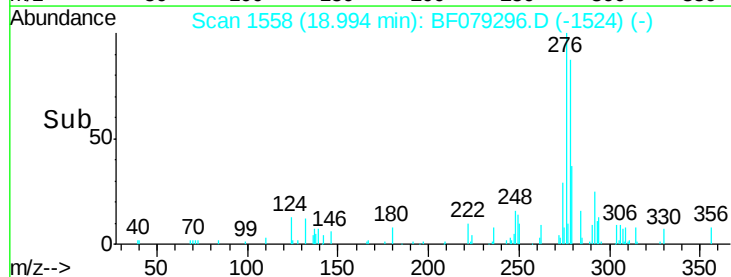
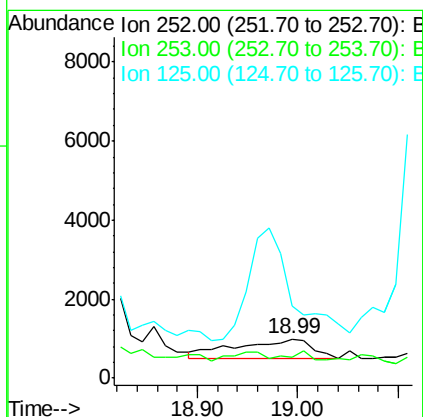
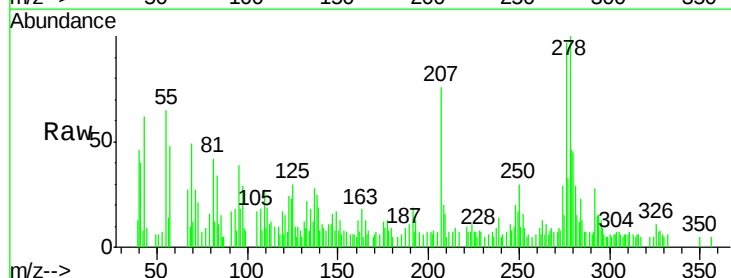
Instrument :
BNA_F
ClientSampled :
SB-37S

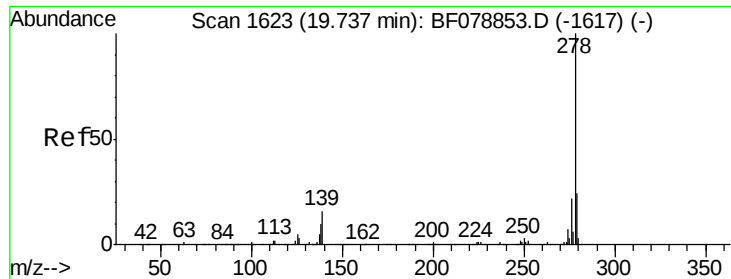
Tgt Ion:252 Resp: 1149
Ion Ratio Lower Upper
252 100
253 72.5 17.4 26.0#
125 138.5 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 159.10 ng
RT: 18.99 min Scan# 1558
Delta R.T. 0.21 min
Lab File: BF079296.D
Acq: 16 May 2015 6:16

Tgt Ion:252 Resp: 2566
Ion Ratio Lower Upper
252 100
253 53.8 18.0 27.0#
125 183.2 8.2 12.2#





#90

Dibenzo(a,h)anthracene

Concen: 38.39 ng

RT: 20.86 min Scan# 1721

Delta R.T. 0.17 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

Instrument :

BNA_F

ClientSampleId :

SB-37S

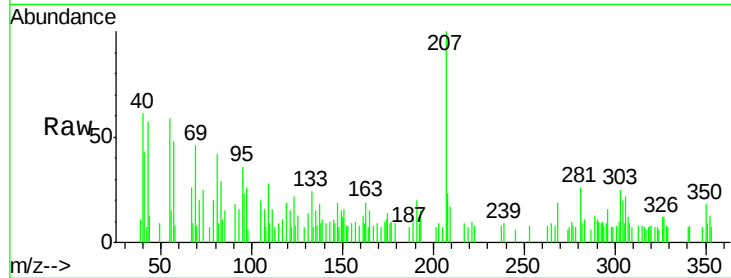
Tgt Ion: 278 Resp: 658

Ion Ratio Lower Upper

278 100

139 156.4 13.1 19.7#

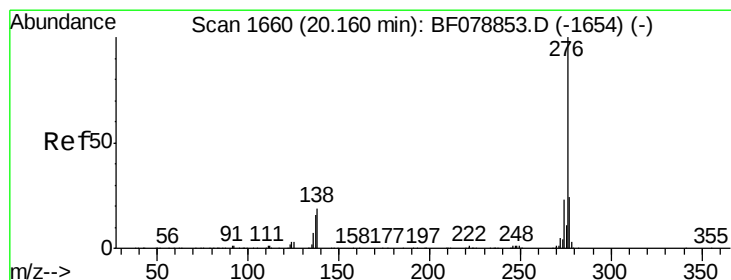
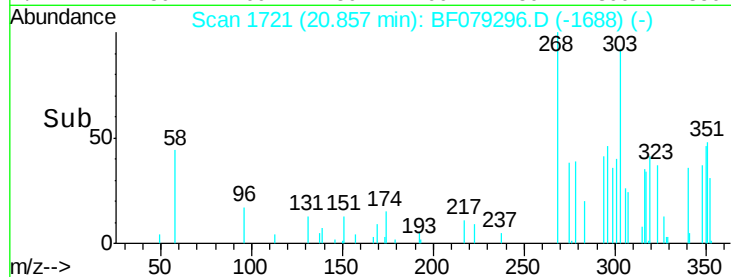
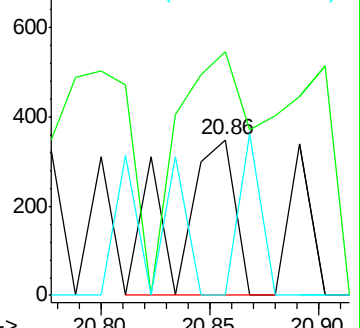
279 0.0 19.1 28.7#



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: 82.25 ng

RT: 21.28 min Scan# 1758

Delta R.T. 0.19 min

Lab File: BF079296.D

Acq: 16 May 2015 6:16

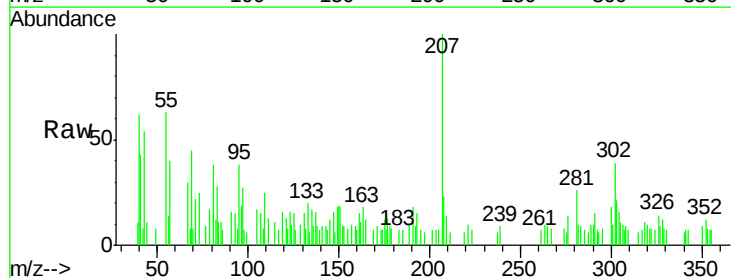
Tgt Ion: 276 Resp: 1413

Ion Ratio Lower Upper

276 100

277 0.0 18.8 28.2#

138 68.4 15.2 22.8#



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

