

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051215\
 Data File : BF079186.D
 Acq On : 13 May 2015 6:45
 Operator : TP/IZ
 Sample : G2194-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-18-2.5

Quant Time: May 13 07:23:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 04:45:03 2015
 Response via : Initial Calibration

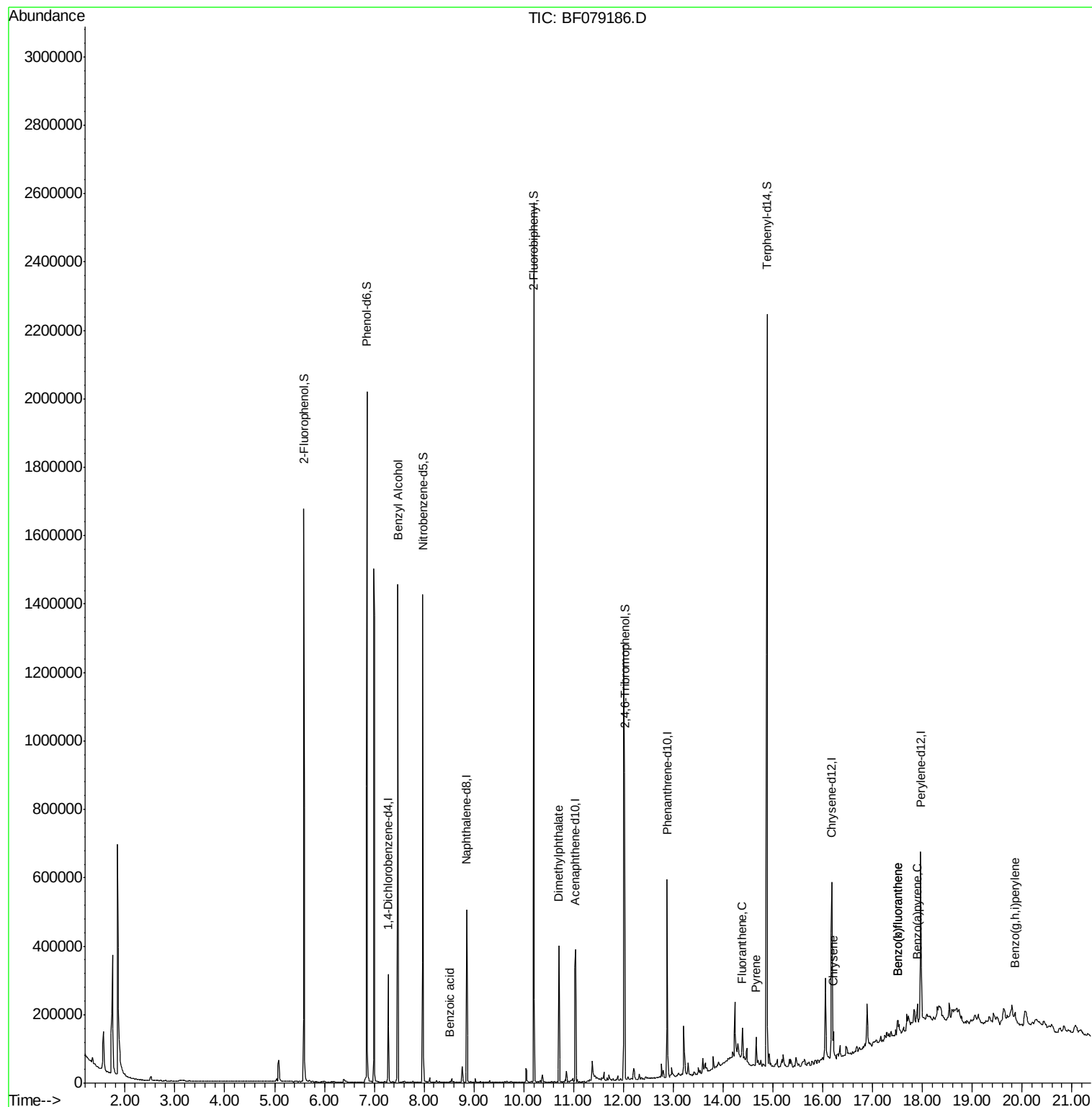
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	56487	20.00	ng	0.00
21) Naphthalene-d8	8.86	136	230396	20.00	ng	0.00
38) Acenaphthene-d10	11.04	164	110799	20.00	ng	0.00
63) Phenanthrene-d10	12.88	188	214828	20.00	ng	0.00
75) Chrysene-d12	16.18	240	224931	20.00	ng	0.01
86) Perylene-d12	17.97	264	225632	20.00	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	568410	173.22	ng	0.00
7) Phenol-d6	6.86	99	785887	181.18	ng	0.01
23) Nitrobenzene-d5	7.98	82	440057	109.77	ng	0.00
41) 2,4,6-Tribromophenol	12.02	330	217135	181.15	ng	0.00
44) 2-Fluorobiphenyl	10.20	172	757472	95.25	ng	0.00
78) Terphenyl-d14	14.88	244	863163	91.87	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.47	79	7806	2.42	ng	# 51
32) Benzoic acid	8.52	122	254	6.42	ng	89
49) Dimethylphthalate	10.71	163	157960	19.42	ng	100
74) Fluoranthene	14.39	202	34520	2.76	ng	96
77) Pyrene	14.66	202	46331	3.57	ng	# 95
82) Chrysene	16.22	228	24183	2.04	ng	95
87) Benzo(b)fluoranthene	17.51	252	44804	3.63	ng	# 91
88) Benzo(k)fluoranthene	17.51	252	39663	3.32	ng	# 92
89) Benzo(a)pyrene	17.90	252	26143	2.30	ng	# 90
91) Benzo(g,h,i)perylene	19.86	276	25042	2.07	ng	94

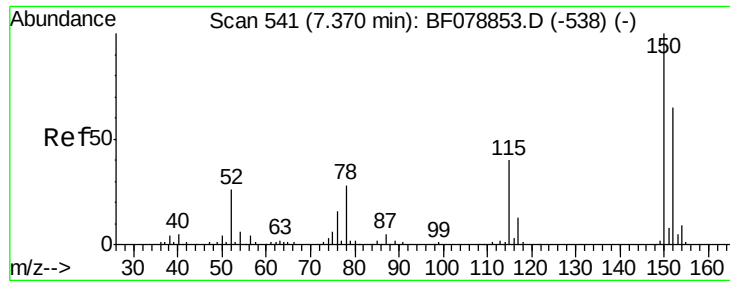
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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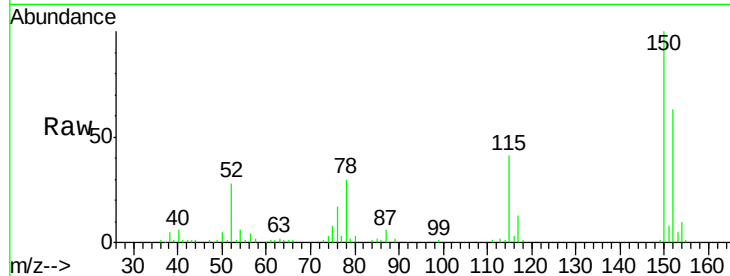




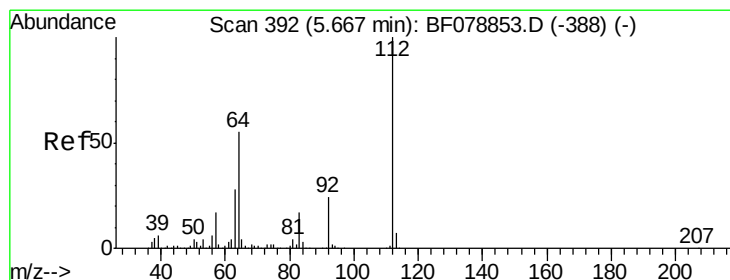
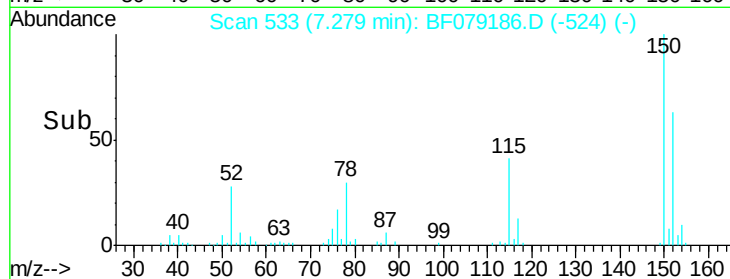
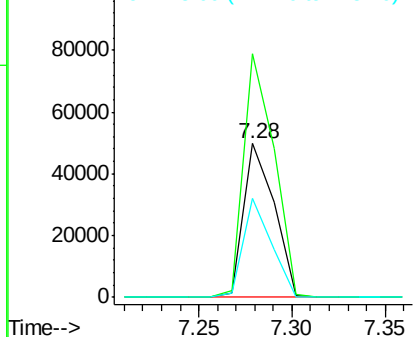
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF079186.D
 Acq: 13 May 2015 6:45

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-18-2.5

Tgt Ion:152 Resp: 56487
 Ion Ratio Lower Upper
 152 100
 150 158.6 122.0 183.0
 115 64.4 46.3 69.5

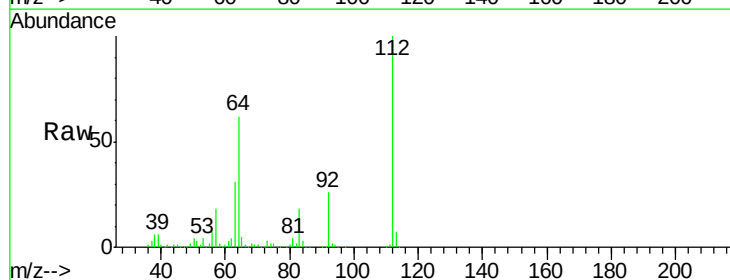


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

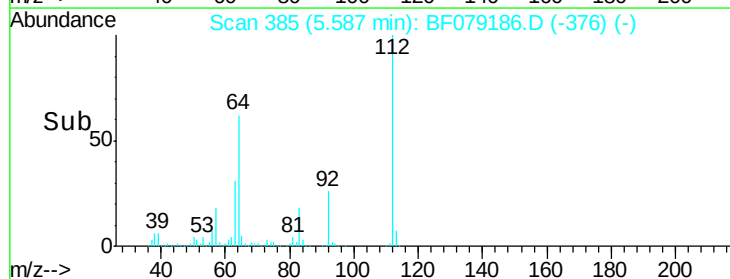
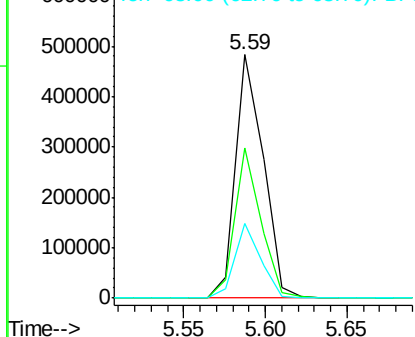


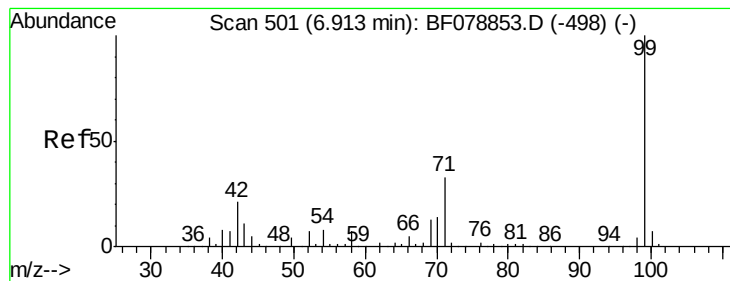
#5
 2-Fluorophenol
 Concen: 173.22 ng
 RT: 5.59 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: BF079186.D
 Acq: 13 May 2015 6:45

Tgt Ion:112 Resp: 568410
 Ion Ratio Lower Upper
 112 100
 64 61.6 53.5 80.3
 63 30.5 27.5 41.3



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: 181.18 ng

RT: 6.86 min Scan# 496

Delta R.T. 0.01 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

TU021-SB-18-2.5

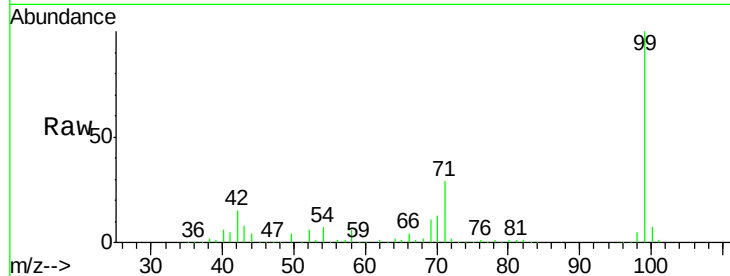
Tgt Ion: 99 Resp: 785887

Ion Ratio Lower Upper

99 100

42 15.4 12.8 19.2

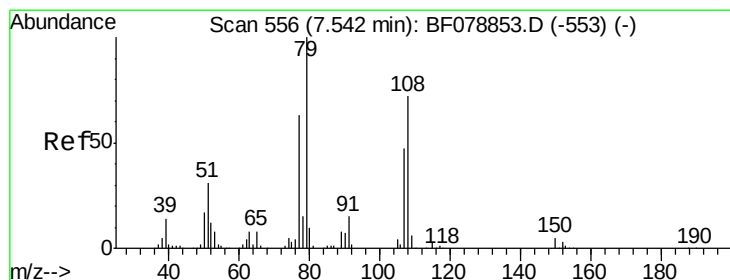
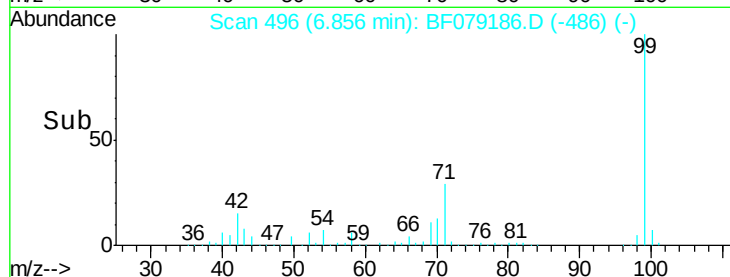
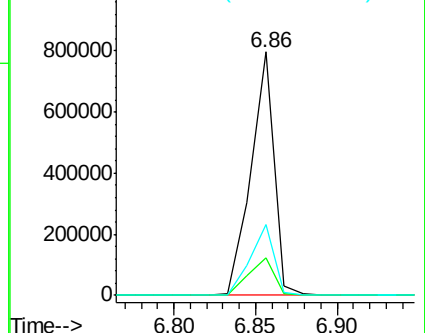
71 28.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.42 ng

RT: 7.47 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

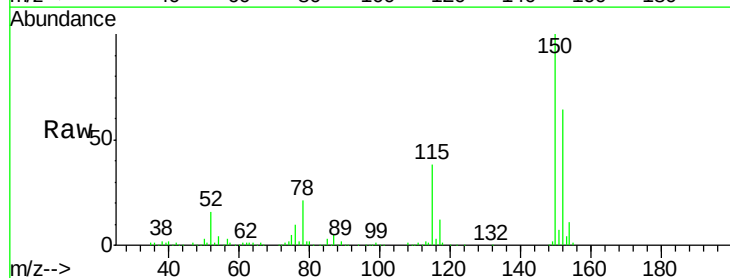
Tgt Ion: 79 Resp: 7806

Ion Ratio Lower Upper

79 100

108 33.3 62.5 93.7#

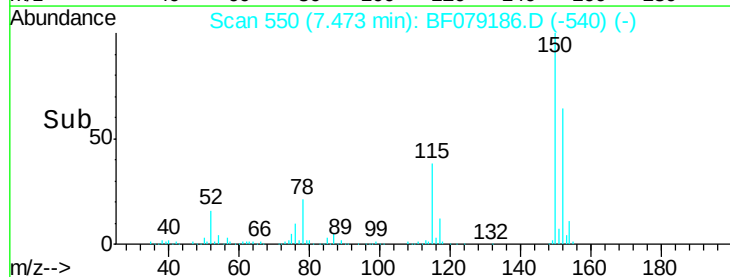
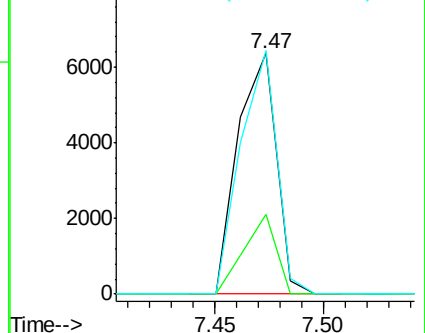
77 101.1 52.2 78.4#

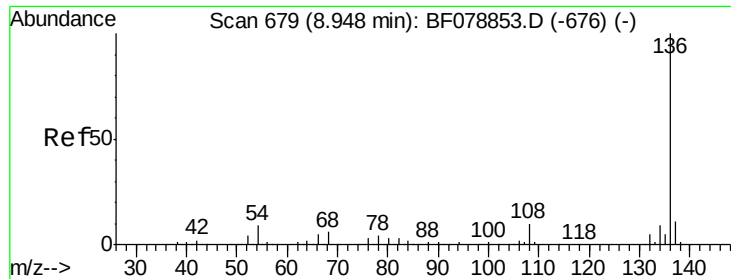


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

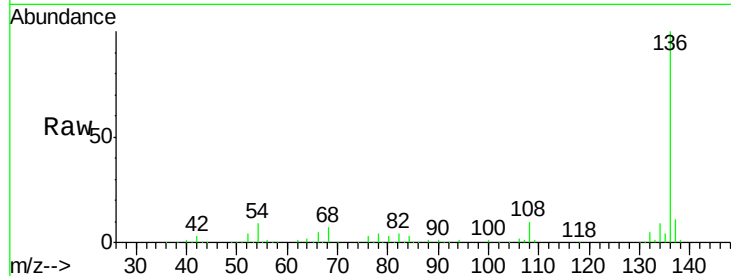




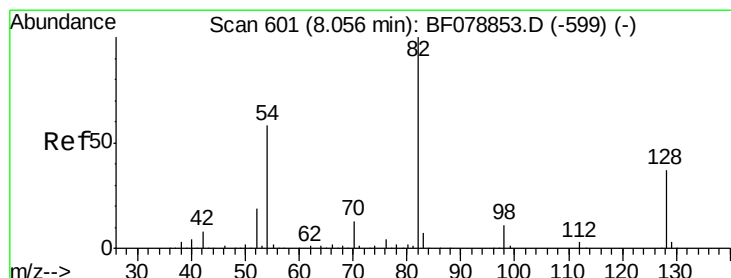
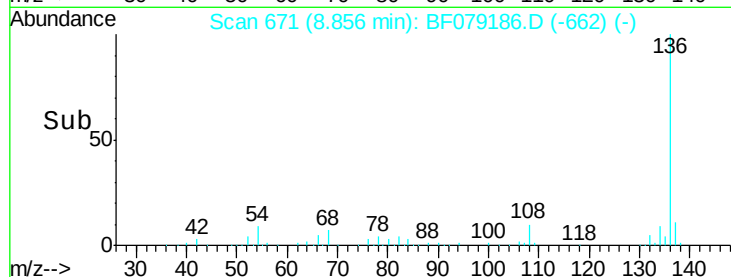
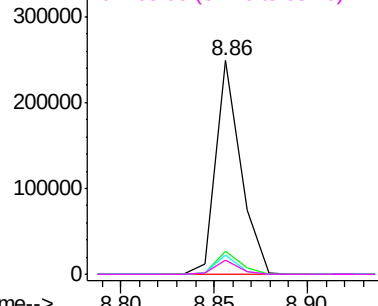
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.86 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF079186.D
Acq: 13 May 2015 6:45

Instrument :
BNA_F
ClientSampleId :
TU021-SB-18-2.5

Tgt Ion:	136	Resp:	230396
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	8.8	5.8	8.8#
68	6.7	4.2	6.4#

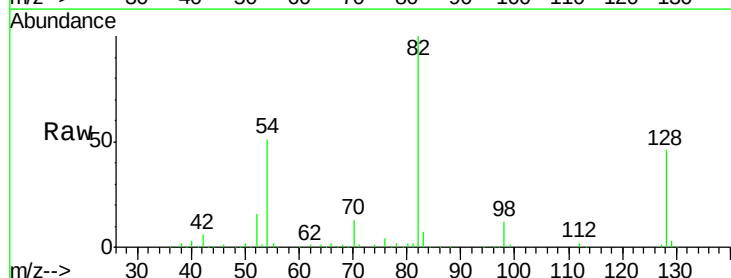


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

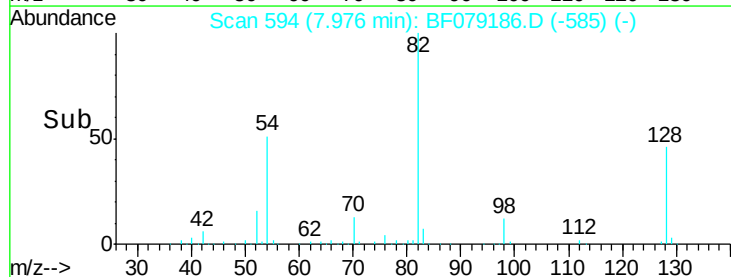
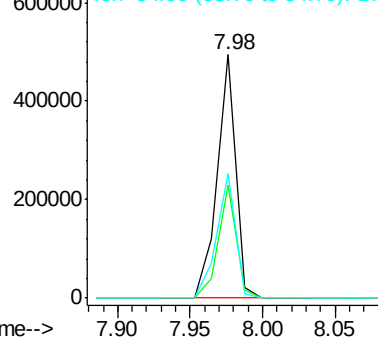


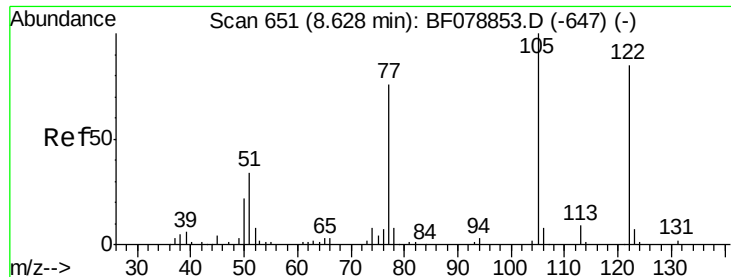
#23
Nitrobenzene-d5
Concen: 109.77 ng
RT: 7.98 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF079186.D
Acq: 13 May 2015 6:45

Tgt Ion:	82	Resp:	440057
Ion Ratio	Lower	Upper	
82	100		
128	46.2	30.0	45.0#
54	51.1	46.4	69.6



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





#32

Benzoic acid

Concen: 6.42 ng

RT: 8.52 min Scan# 642

Delta R.T. -0.05 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

TU021-SB-18-2.5

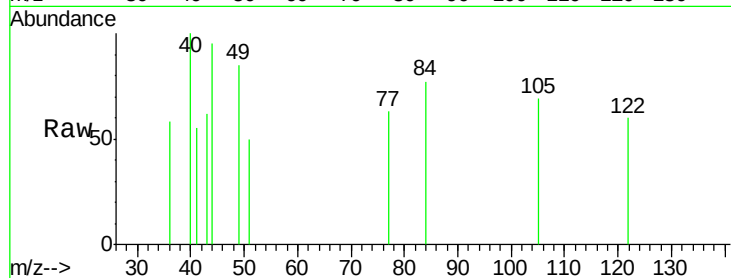
Tgt Ion:122 Resp: 254

Ion Ratio Lower Upper

122 100

105 115.9 107.1 147.1

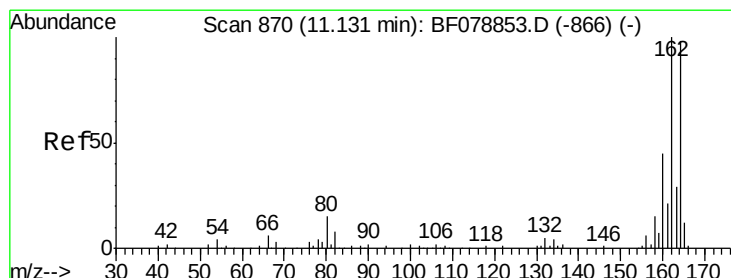
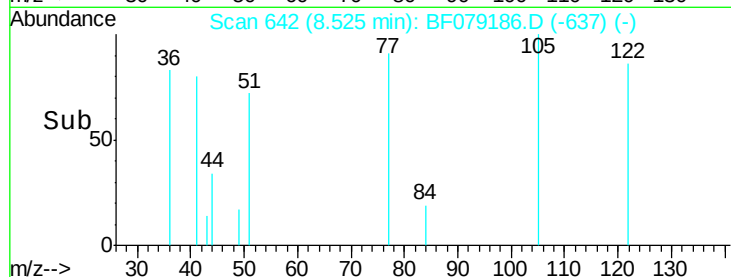
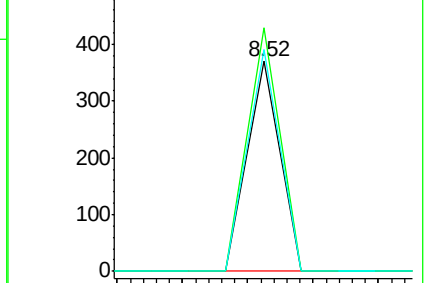
77 105.9 73.9 113.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.04 min Scan# 862

Delta R.T. 0.00 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

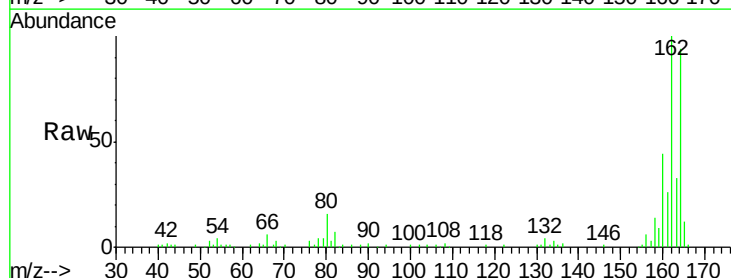
Tgt Ion:164 Resp: 110799

Ion Ratio Lower Upper

164 100

162 106.6 82.7 124.1

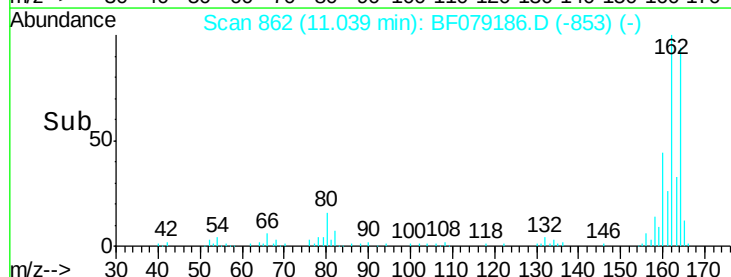
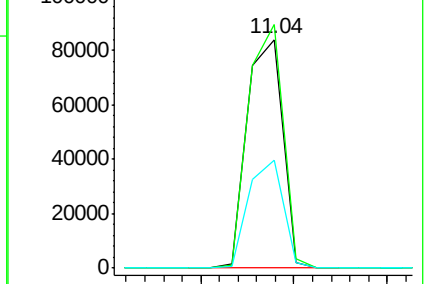
160 47.2 35.8 53.8

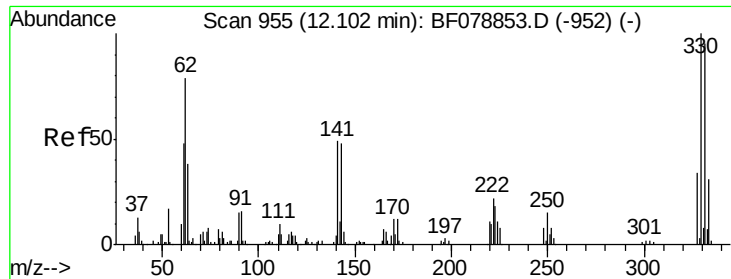


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

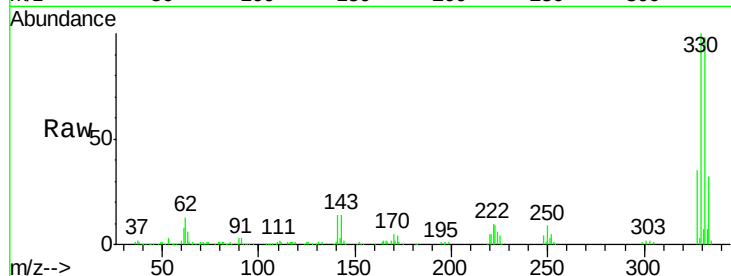




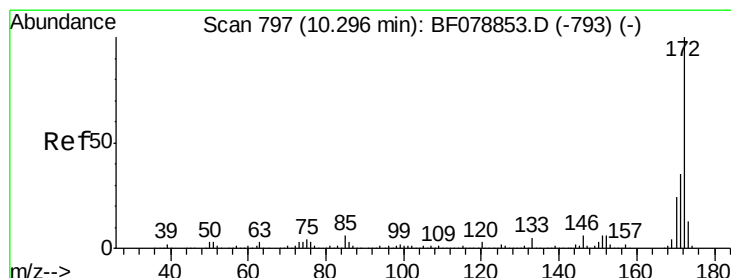
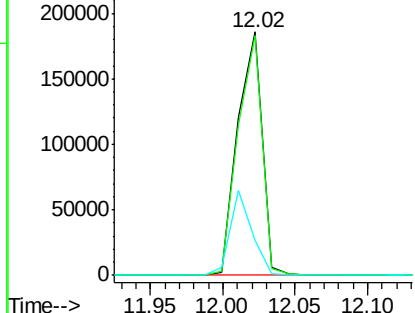
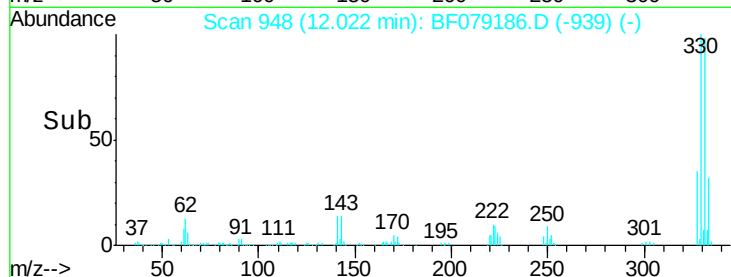
#41
 2,4,6-Tribromophenol
 Concen: 181.15 ng
 RT: 12.02 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF079186.D
 Acq: 13 May 2015 6:45

Instrument :
 BNA_F
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 TU021-SB-18-2.5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	31.1	0.0	0.0#

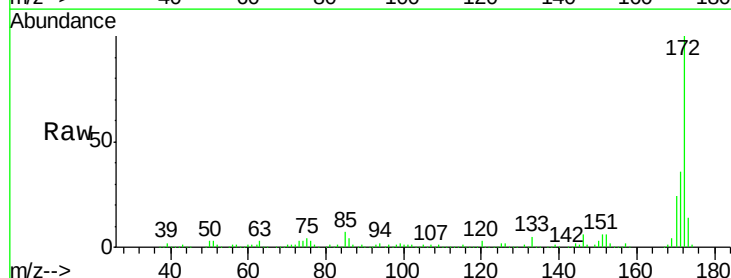


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

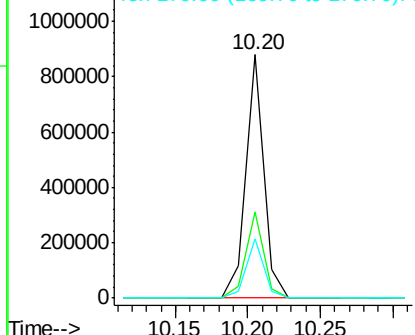
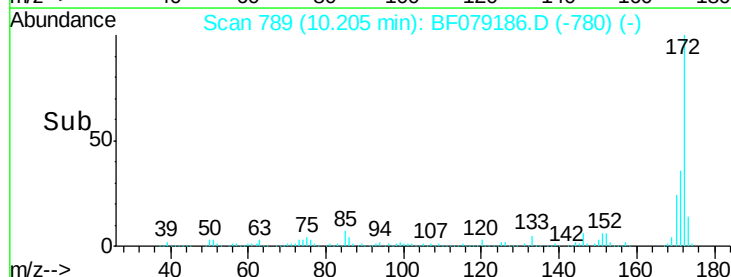


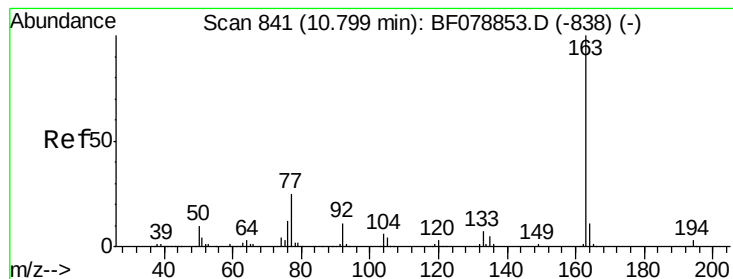
#44
 2-Fluorobiphenyl
 Concen: 95.25 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079186.D
 Acq: 13 May 2015 6:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.9	41.9
170	24.1	19.4	29.0



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





#49

Dimethylphthalate

Concen: 19.42 ng

RT: 10.71 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

TU021-SB-18-2.5

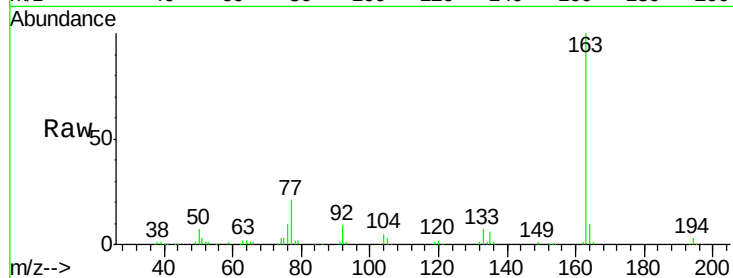
Tgt Ion:163 Resp: 157960

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

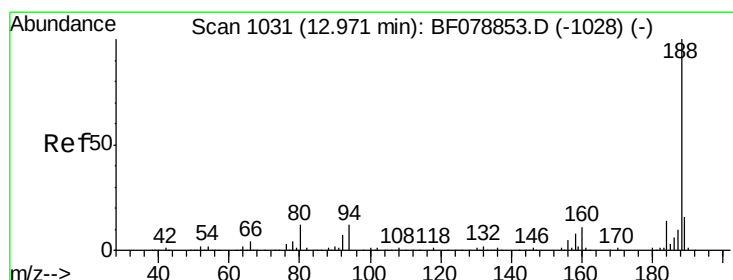
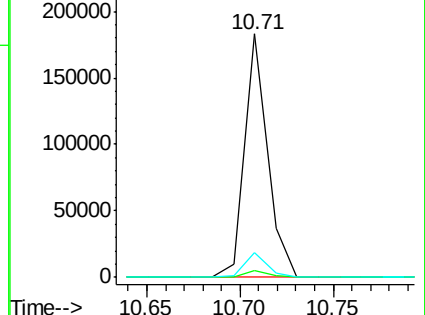
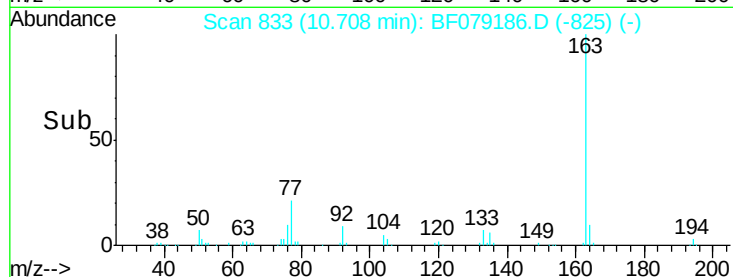
164 10.0 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.88 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

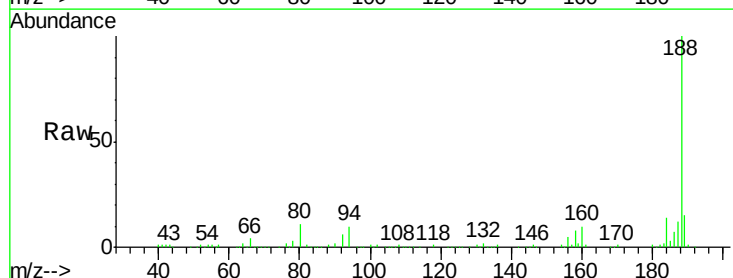
Tgt Ion:188 Resp: 214828

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.2

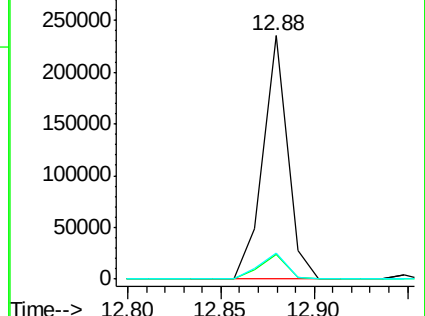
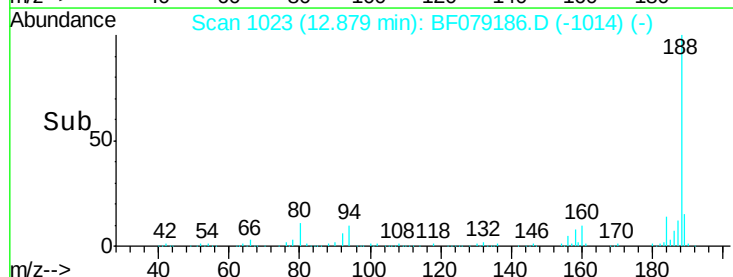
80 10.5 8.9 13.3

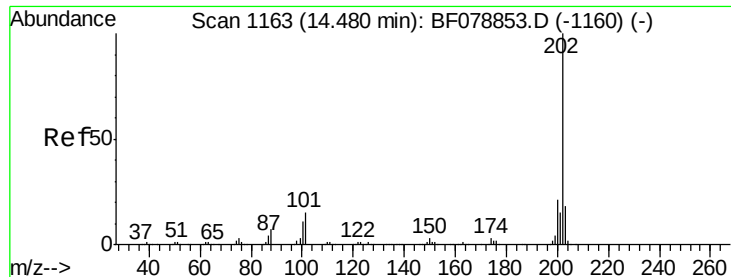


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.76 ng

RT: 14.39 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

Instrument :

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ClientSampleId :

TU021-SB-18-2.5

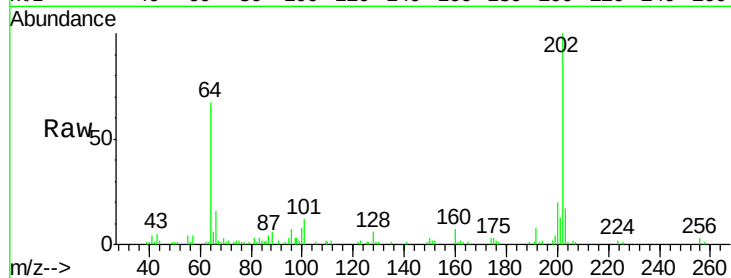
Tgt Ion:202 Resp: 34520

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.6

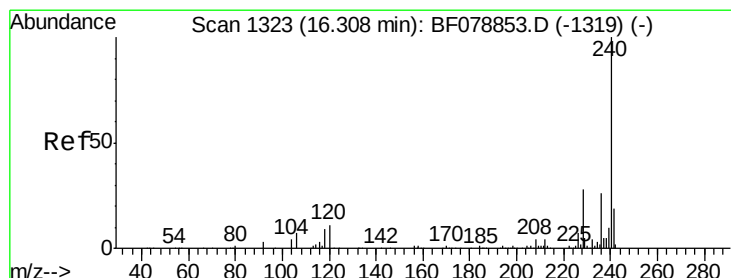
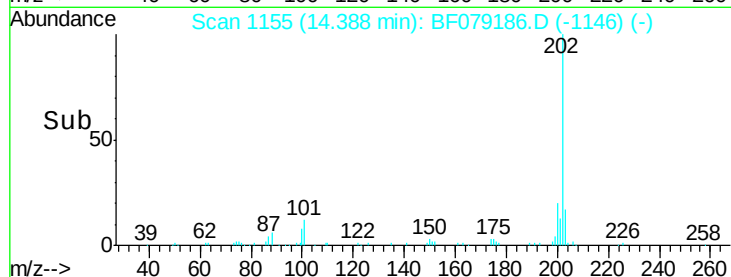
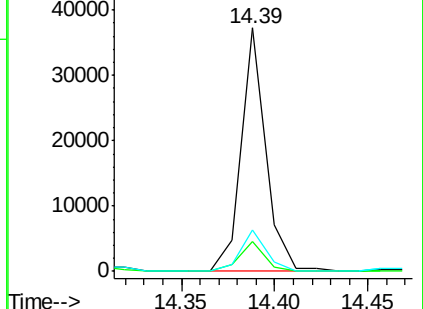
203 17.2 0.0 38.4



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: 16.18 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

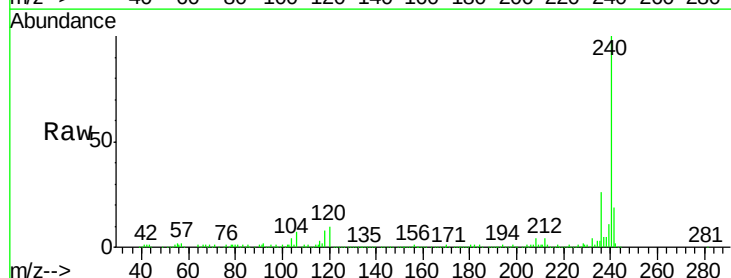
Tgt Ion:240 Resp: 224931

Ion Ratio Lower Upper

240 100

120 9.9 9.7 14.5

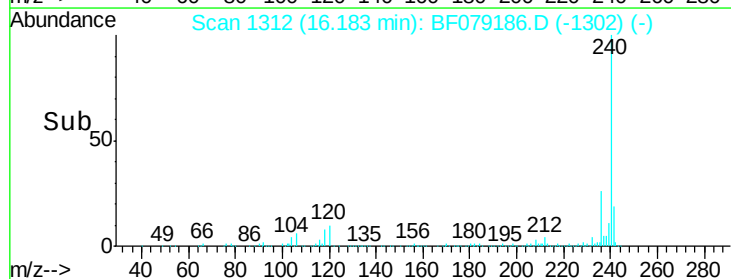
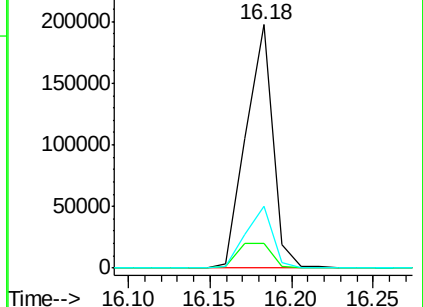
236 25.6 20.2 30.4

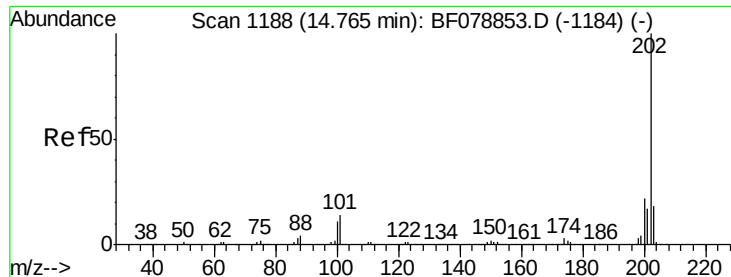


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

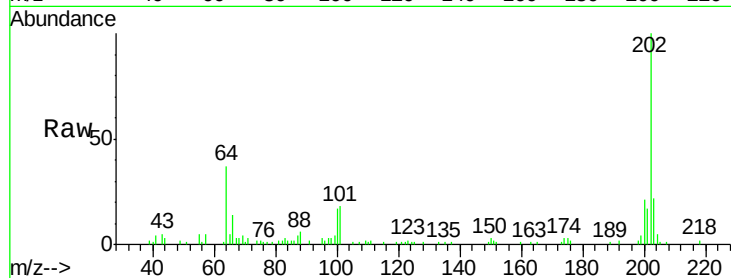




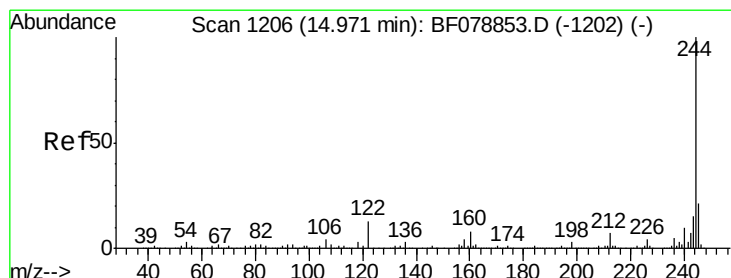
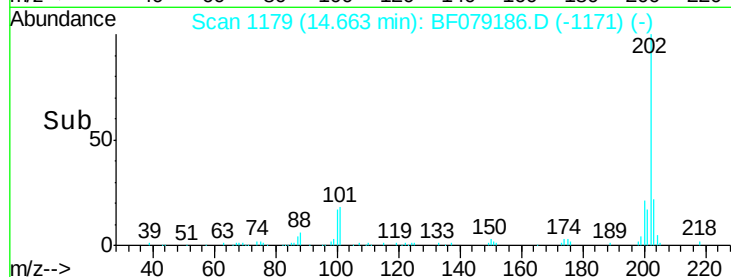
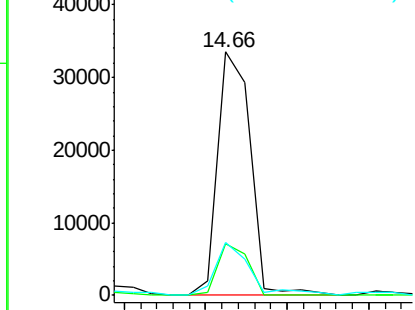
#77
 Pyrene
 Concen: 3.57 ng
 RT: 14.66 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF079186.D
 Acq: 13 May 2015 6:45

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-18-2.5

Tgt Ion: 202 Resp: 46331
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.5 26.3
 203 21.6 13.9 20.9#

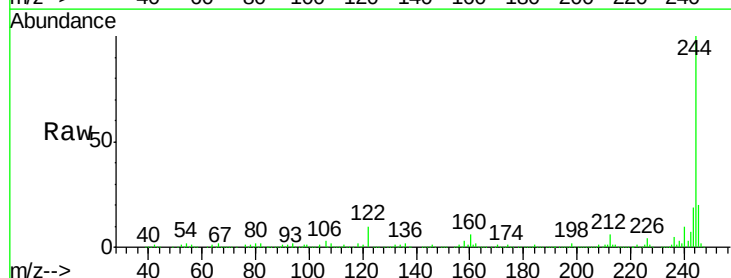


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

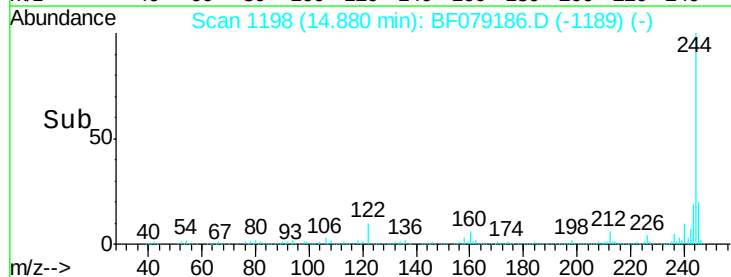
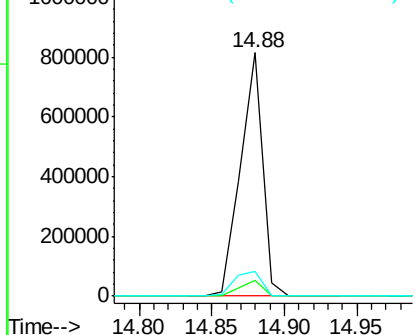


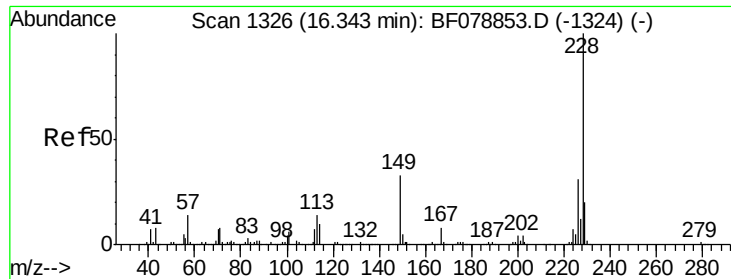
#78
 Terphenyl-d14
 Concen: 91.87 ng
 RT: 14.88 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF079186.D
 Acq: 13 May 2015 6:45

Tgt Ion: 244 Resp: 863163
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.2 10.3 15.5#



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





#82

Chrysene

Concen: 2.04 ng

RT: 16.22 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

Instrument :

BNA_F

ClientSampleId :

TU021-SB-18-2.5

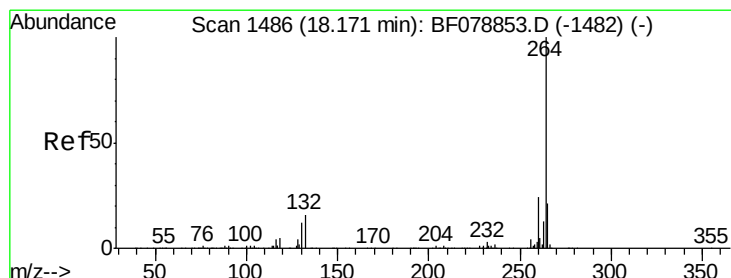
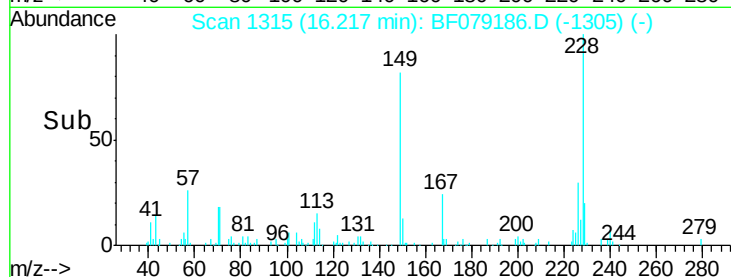
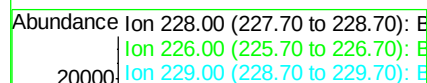
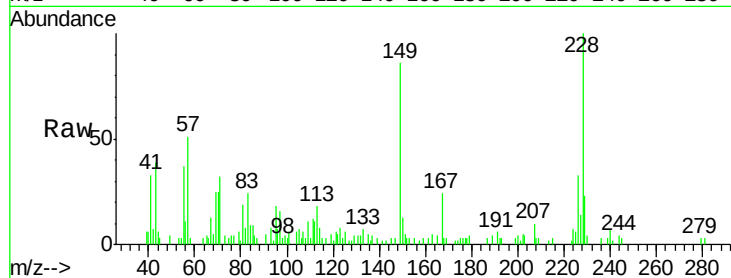
Tgt Ion:228 Resp: 24183

Ion Ratio Lower Upper

228 100

226 32.9 24.9 37.3

229 23.0 16.0 24.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.97 min Scan# 1468

Delta R.T. 0.09 min

Lab File: BF079186.D

Acq: 13 May 2015 6:45

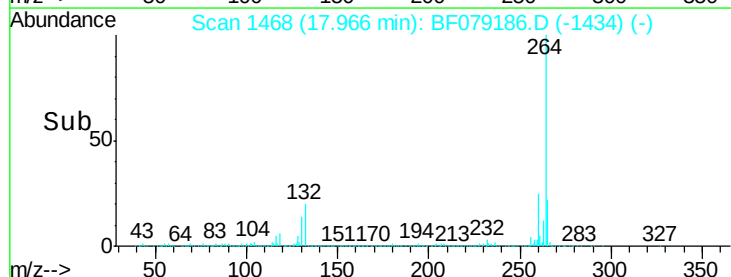
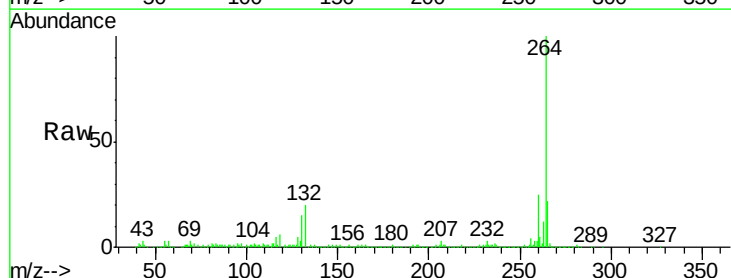
Tgt Ion:264 Resp: 225632

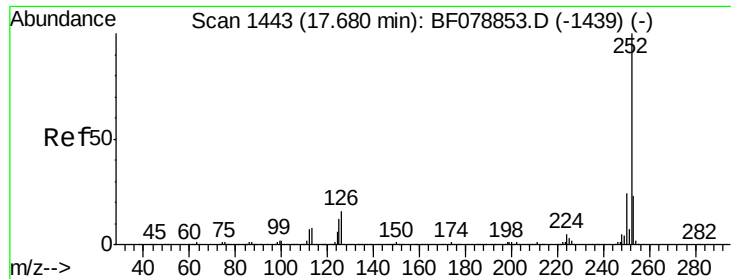
Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

265 22.5 18.3 27.5

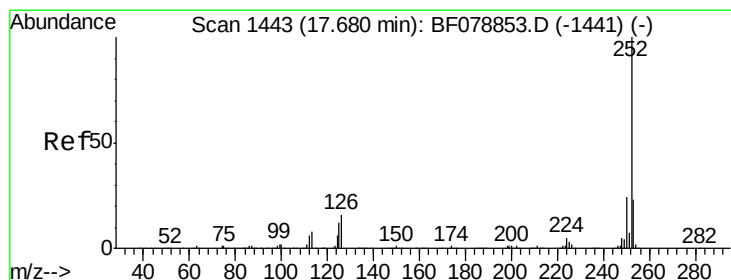
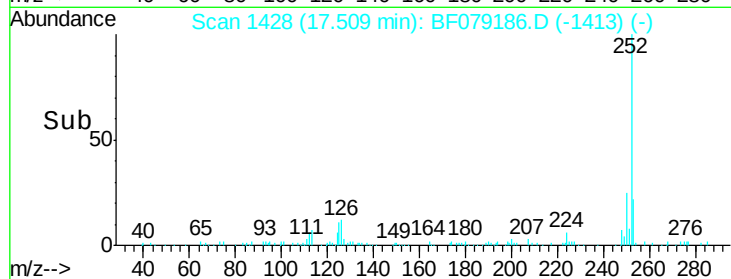
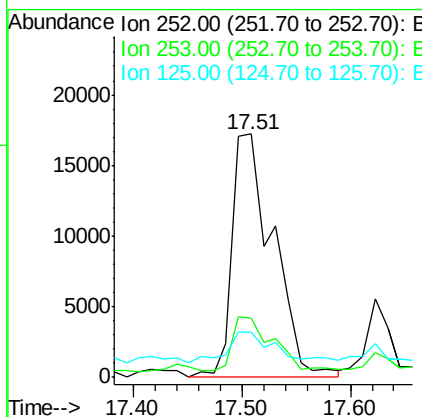
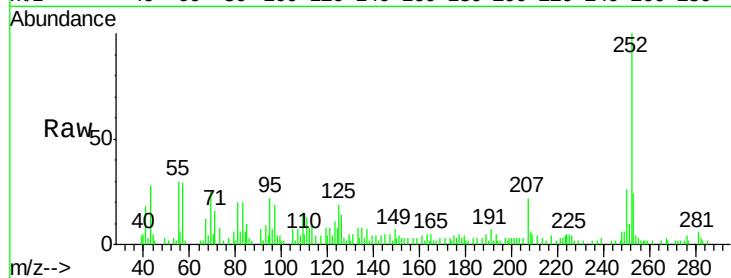




#87
Benzo(b)fluoranthene
Concen: 3.63 ng
RT: 17.51 min Scan# 1428
Delta R.T. 0.07 min
Lab File: BF079186.D
Acq: 13 May 2015 6:45

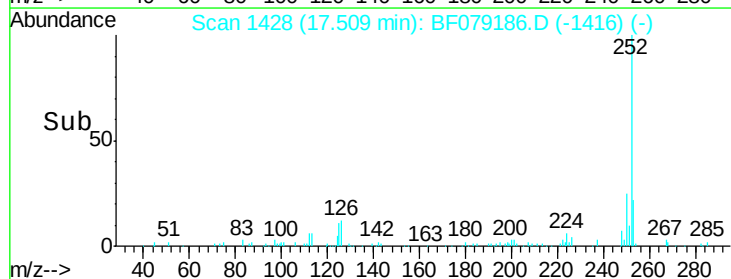
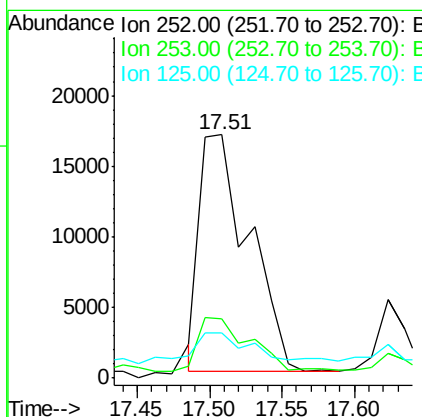
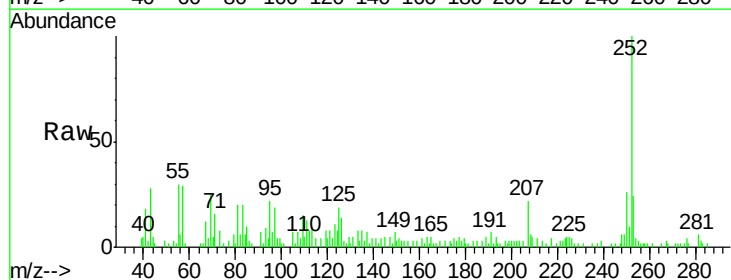
Instrument :
BNA_F
ClientSampleId :
TU021-SB-18-2.5

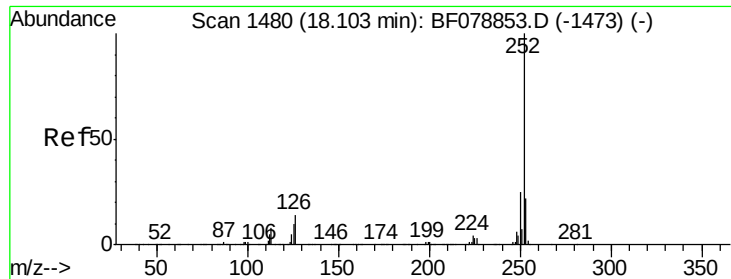
Tgt Ion:252 Resp: 44804
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 18.6 9.5 14.3#



#88
Benzo(k)fluoranthene
Concen: 3.32 ng
RT: 17.51 min Scan# 1428
Delta R.T. 0.03 min
Lab File: BF079186.D
Acq: 13 May 2015 6:45

Tgt Ion:252 Resp: 39663
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 18.6 10.0 15.0#

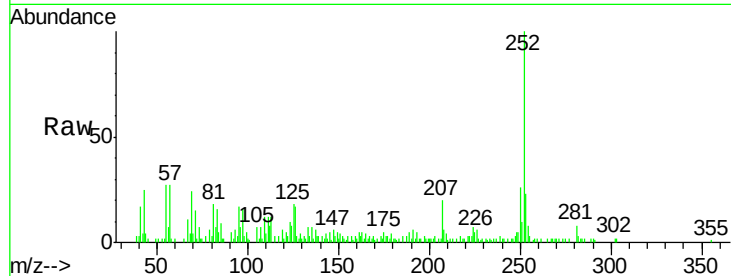




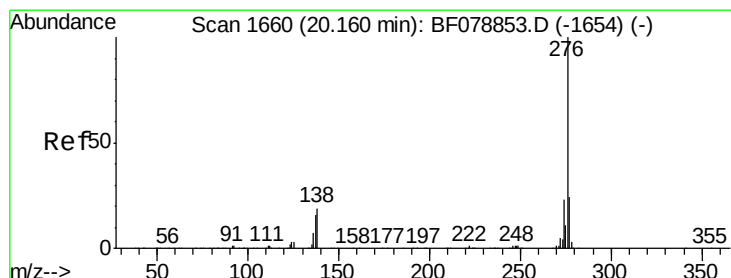
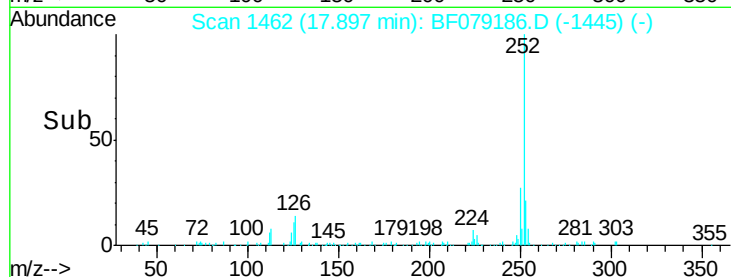
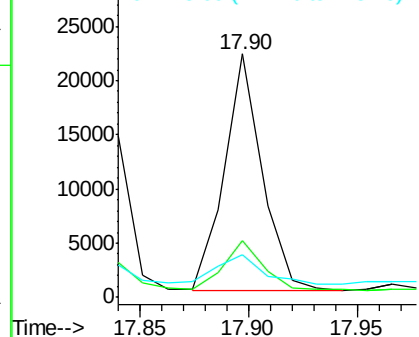
#89
Benzo(a)pyrene
Concen: 2.30 ng
RT: 17.90 min Scan# 1462
Delta R.T. 0.09 min
Lab File: BF079186.D
Acq: 13 May 2015 6:45

Instrument :
BNA_F
ClientSampleId :
TU021-SB-18-2.5

Tgt Ion: 252 Resp: 26143
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 17.5 7.0 10.6#

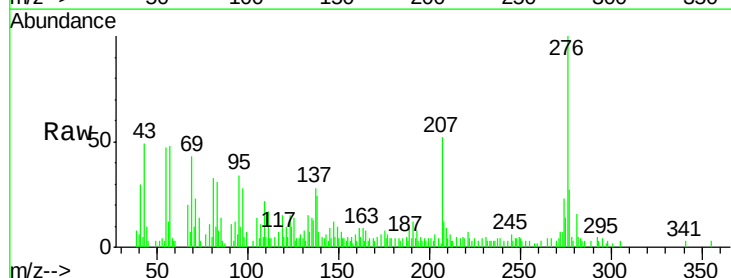


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.07 ng
RT: 19.86 min Scan# 1634
Delta R.T. 0.09 min
Lab File: BF079186.D
Acq: 13 May 2015 6:45

Tgt Ion: 276 Resp: 25042
Ion Ratio Lower Upper
276 100
277 27.1 18.6 28.0
138 24.1 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

