

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079325.D
 Acq On : 19 May 2015 1:33
 Operator : TP/IZ
 Sample : G2271-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Quant Time: May 19 03:45:41 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

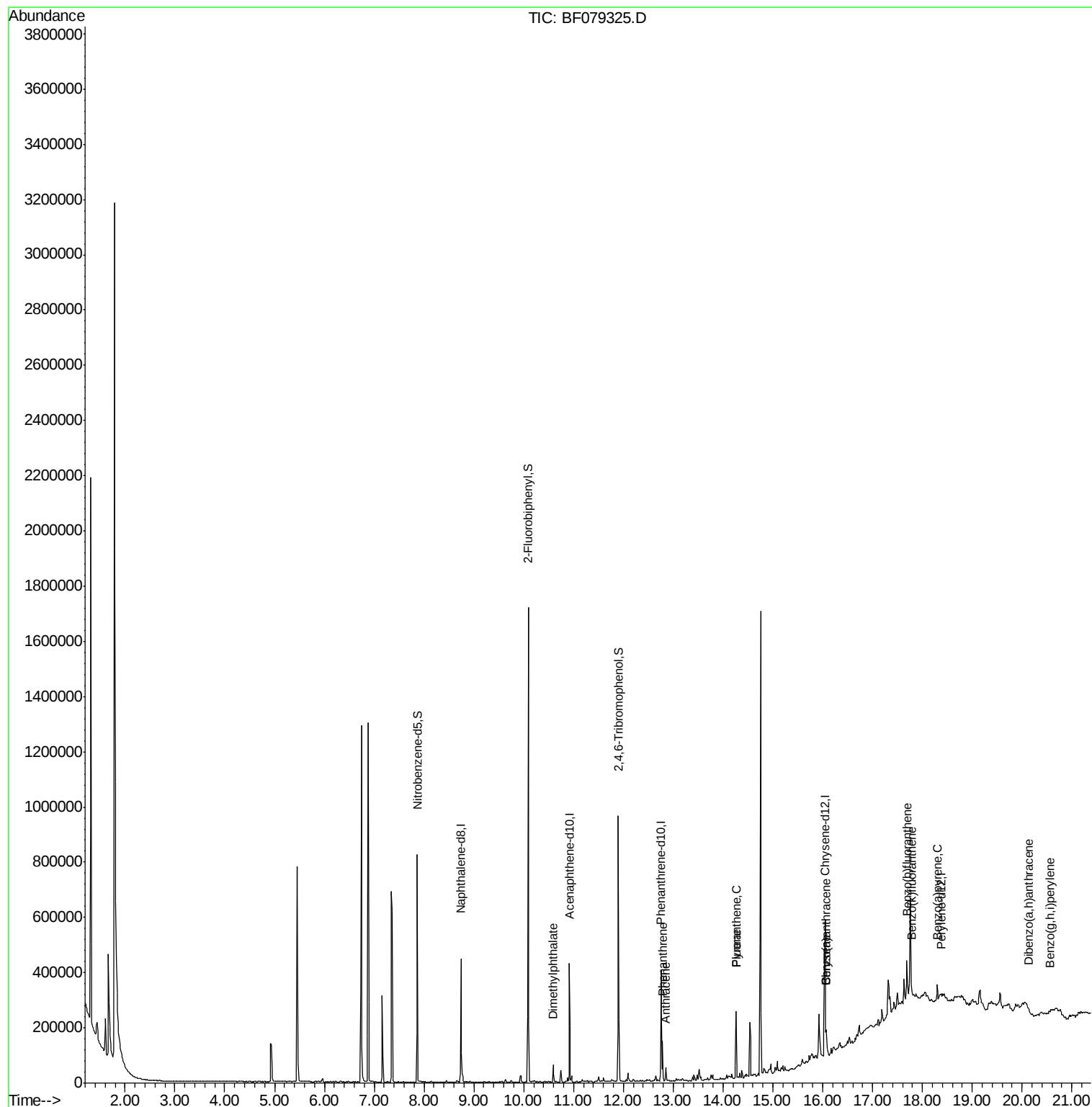
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.74	136	192279	20.00	ng	-0.06
38) Acenaphthene-d10	10.91	164	98253	20.00	ng	-0.06
63) Phenanthrene-d10	12.75	188	186652	20.00	ng	-0.07
75) Chrysene-d12	16.05	240	198631	20.00	ng	-0.46
86) Perylene-d12	18.38	264	244	20.00	ng	-0.50
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	7.86	82	253034	75.63	ng	-0.06
41) 2,4,6-Tribromophenol	11.90	330	122738	115.47	ng	-0.06
44) 2-Fluorobiphenyl	10.09	172	502417	71.24	ng	-0.06
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						
49) Dimethylphthalate	10.59	163	30071	4.17	ng	Qvalue # 99
70) Phenanthrene	12.79	178	58731	5.62	ng	98
71) Anthracene	12.85	178	28122	2.75	ng	98
74) Fluoranthene	14.26	202	99845	9.18	ng	96
77) Pyrene	14.26	202	99845	8.72	ng	98
80) Benzo(a)anthracene	16.07	228	44384	4.08	ng	95
82) Chrysene	16.07	228	44038	4.21	ng	98
87) Benzo(b)fluoranthene	17.69	252	60608	4538.09	ng	97
88) Benzo(k)fluoranthene	17.78	252	16952	1311.15	ng	# 70
89) Benzo(a)pyrene	18.30	252	225	18.30	ng	# 1
90) Dibenzo(a,h)anthracene	20.14	278	1764	134.97	ng	# 1
91) Benzo(g,h,i)perylene	20.56	276	253	19.31	ng	# 1

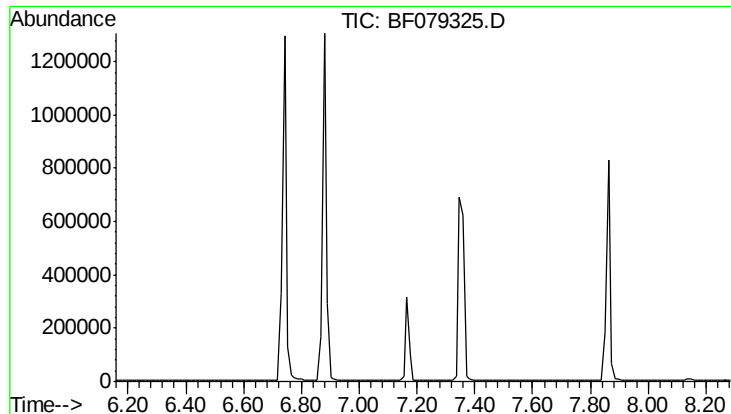
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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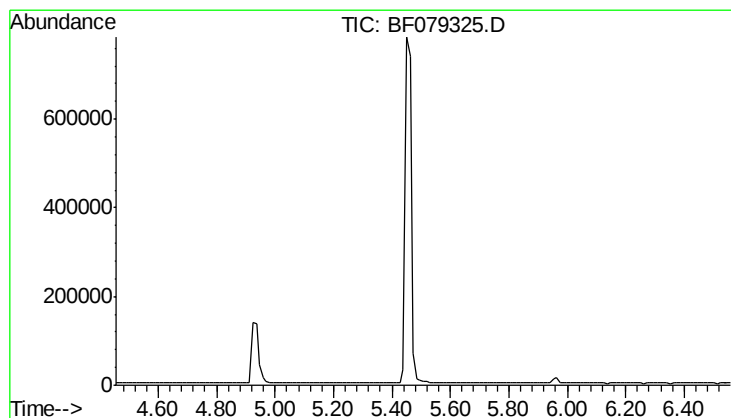
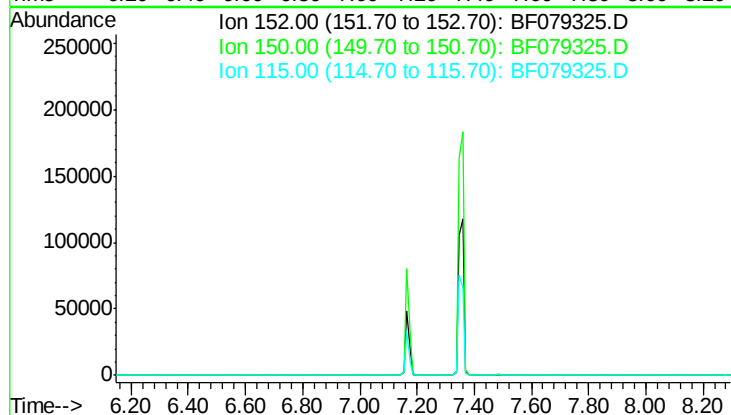




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 7.22 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

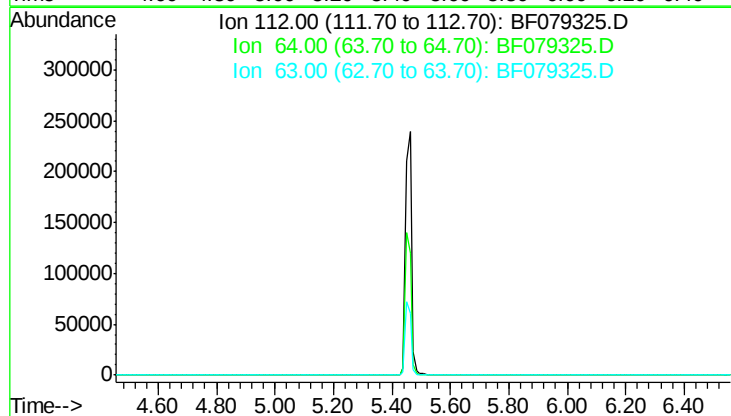
Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

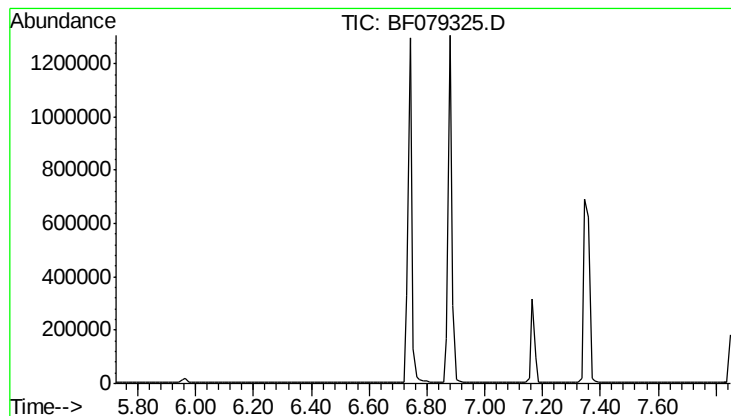
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 154.8
 115 61.7



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.51 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

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: BF079325.D

Acq: 19 May 2015 1:33

Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

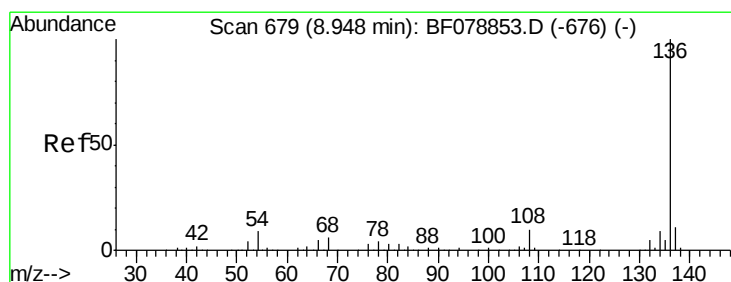
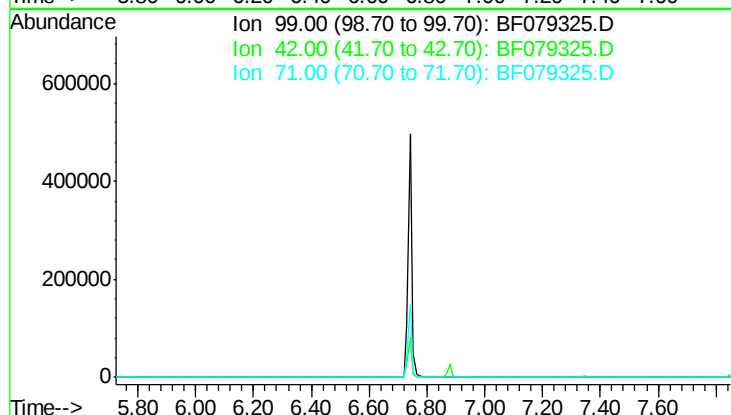
71 32.9

Instrument :

BNA_F

ClientSampleId :

WC-14-D1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.06 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Tgt Ion:136 Resp: 192279

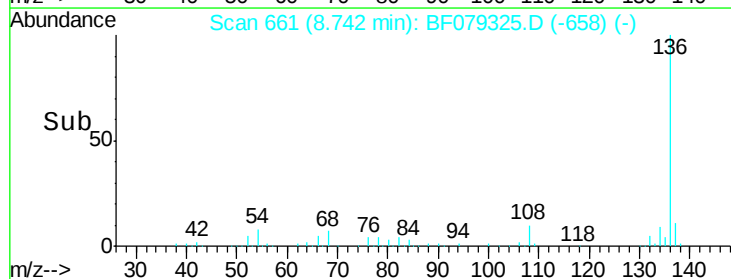
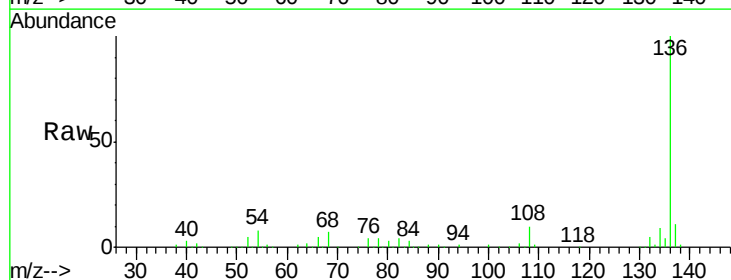
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.2 6.9 10.3

68 6.6 4.9 7.3

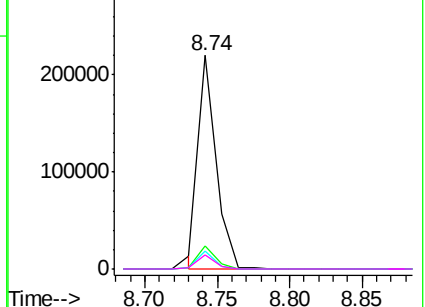


Abundance Ion 136.00 (135.70 to 136.70): E

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

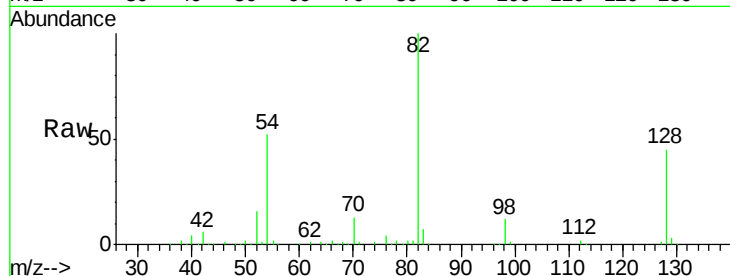




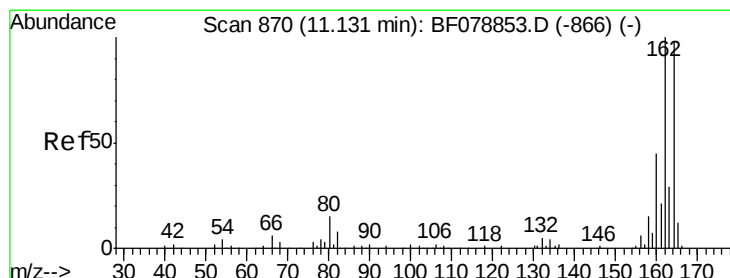
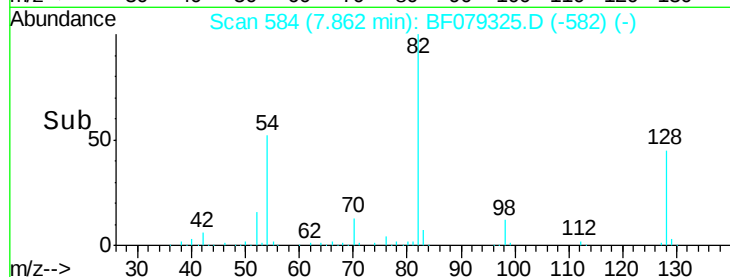
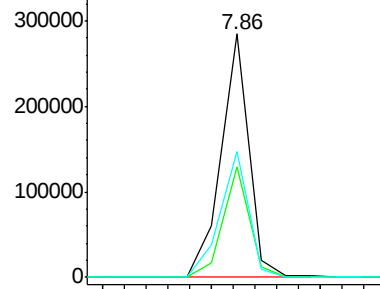
#23
 Nitrobenzene-d5
 Concen: 75.63 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.06 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Tgt Ion: 82 Resp: 253034
 Ion Ratio Lower Upper
 82 100
 128 45.2 29.7 44.5#
 54 51.9 46.2 69.4

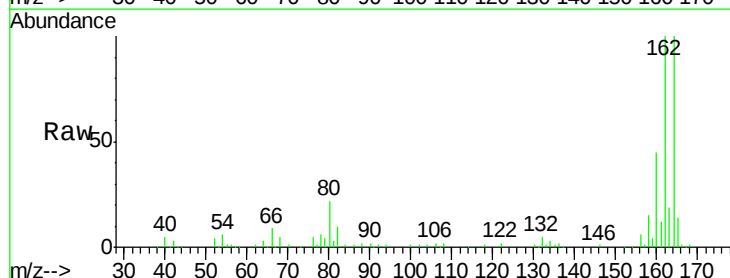


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

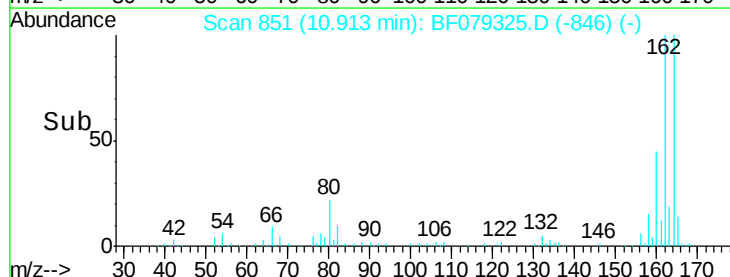
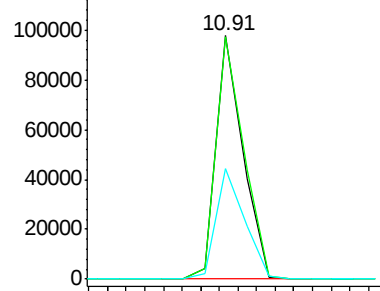


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.06 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion: 164 Resp: 98253
 Ion Ratio Lower Upper
 164 100
 162 99.7 81.4 122.0
 160 45.5 36.6 54.8



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

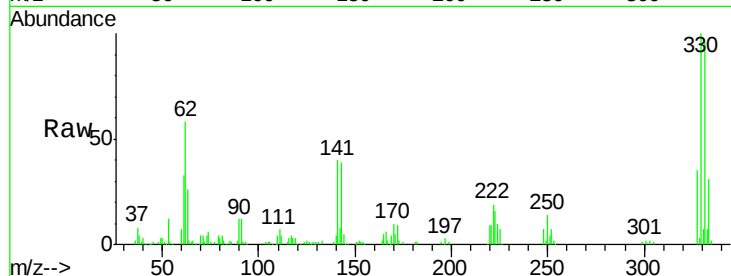




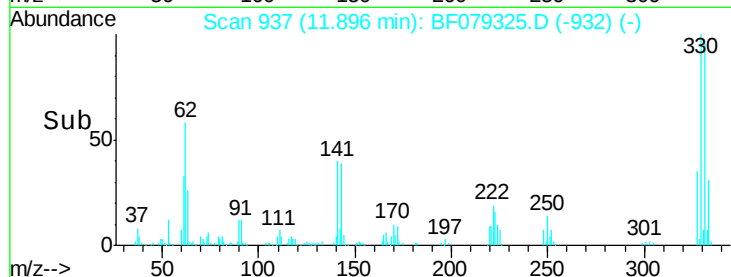
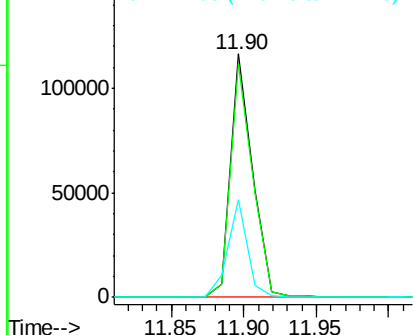
#41
 2,4,6-Tribromophenol
 Concen: 115.47 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.06 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Tgt Ion:330 Resp: 122738
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.9 115.3
 141 35.8 27.8 41.8

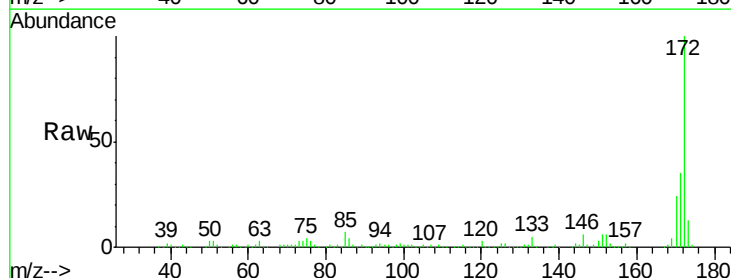


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

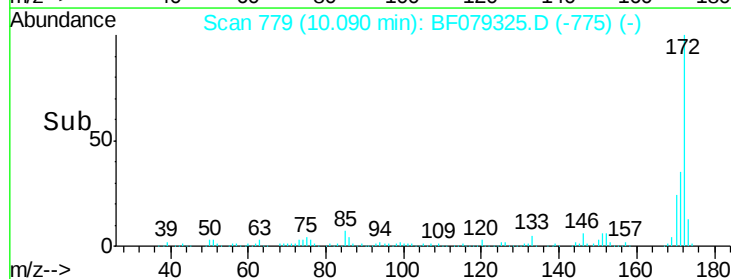
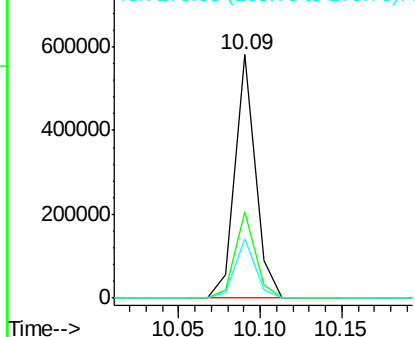


#44
 2-Fluorobiphenyl
 Concen: 71.24 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.06 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion:172 Resp: 502417
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.3 42.5
 170 24.3 19.4 29.2



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: 4.17 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.07 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

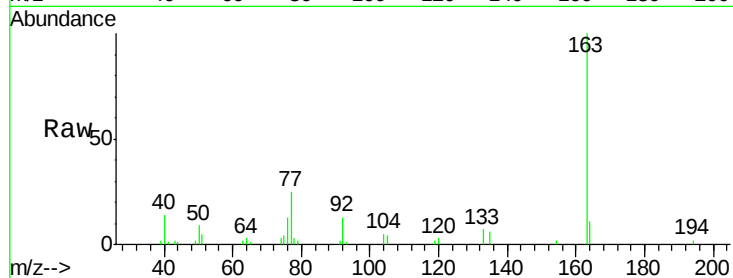
Tgt Ion:163 Resp: 30071

Ion Ratio Lower Upper

163 100

194 2.3 2.4 3.6#

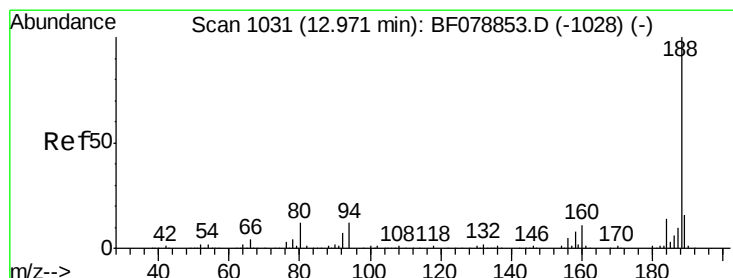
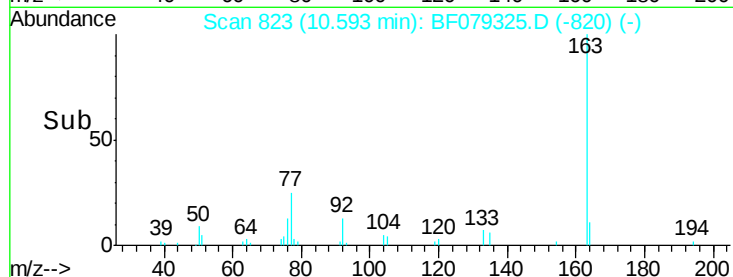
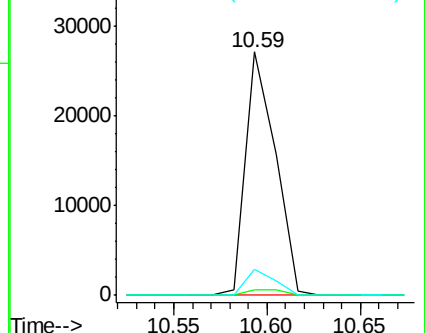
164 10.6 8.6 12.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.75 min Scan# 1012

Delta R.T. -0.07 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

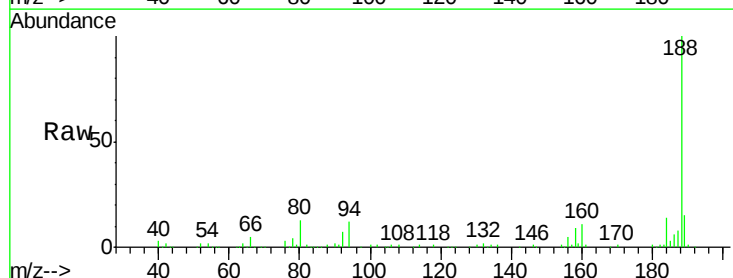
Tgt Ion:188 Resp: 186652

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.0

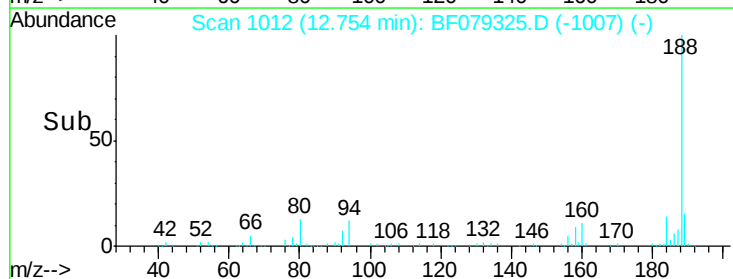
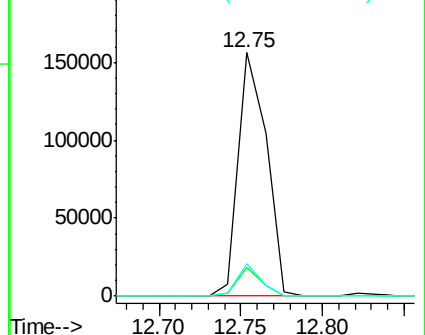
80 13.5 9.8 14.6

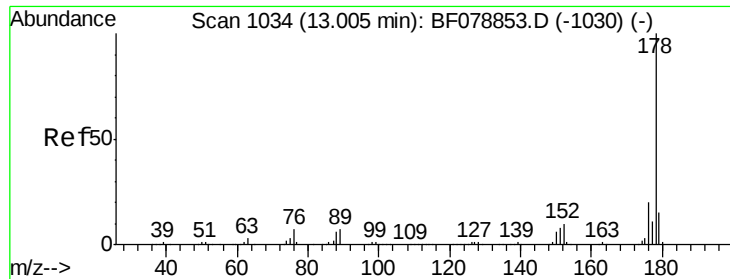


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.62 ng

RT: 12.79 min Scan# 1015

Delta R.T. -0.06 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

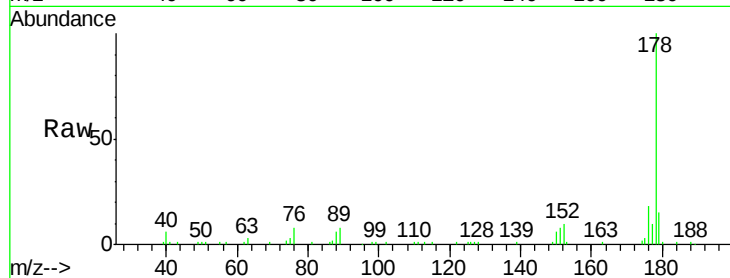
Tgt Ion:178 Resp: 58731

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

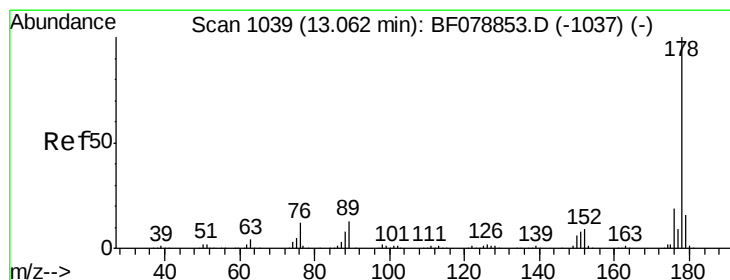
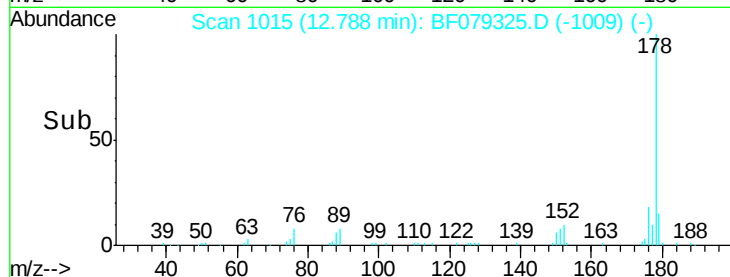
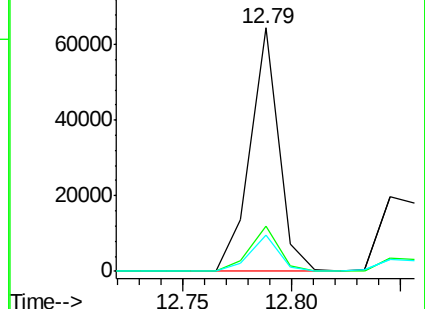
179 14.8 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.75 ng

RT: 12.85 min Scan# 1020

Delta R.T. -0.07 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

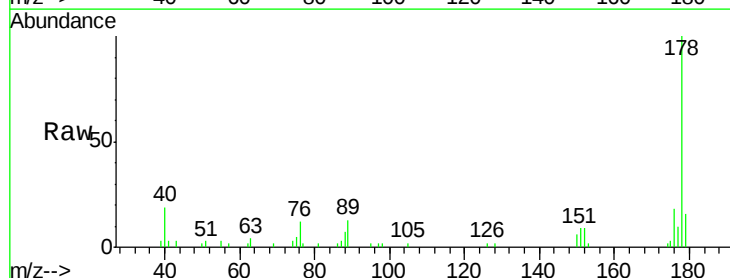
Tgt Ion:178 Resp: 28122

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

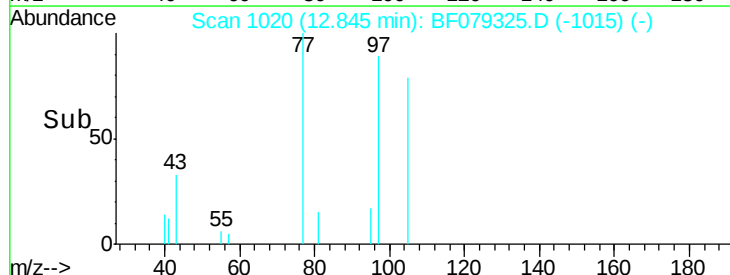
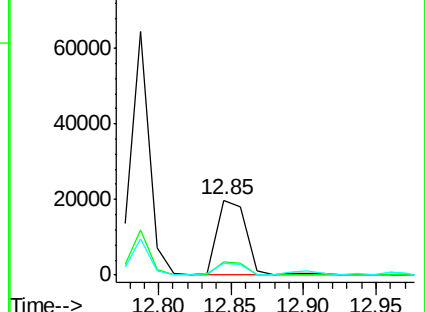
179 16.4 12.6 19.0

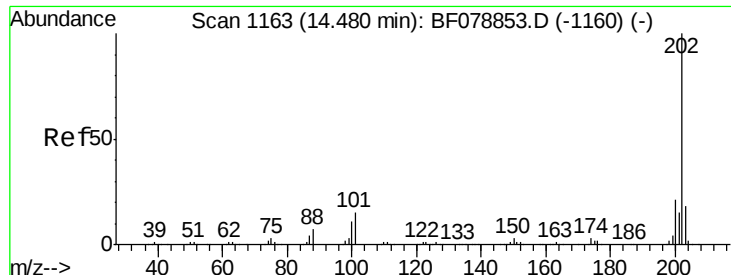


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

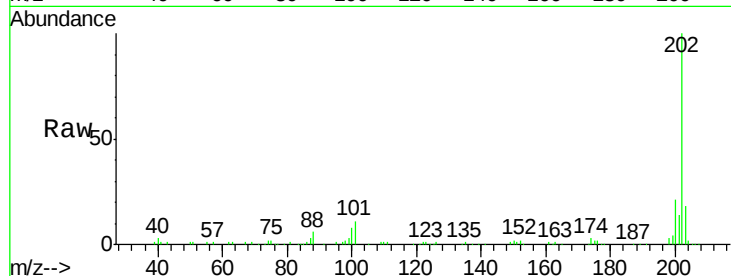




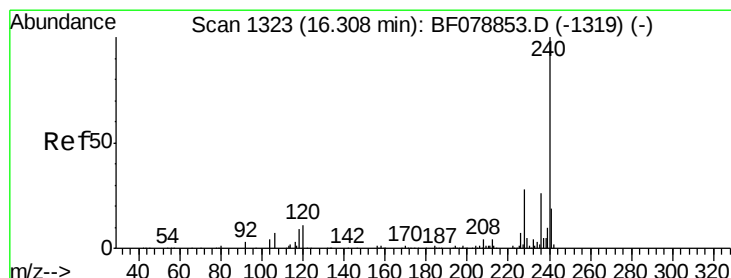
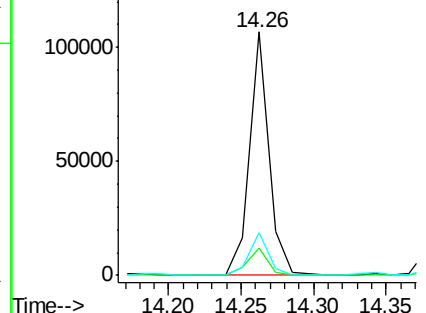
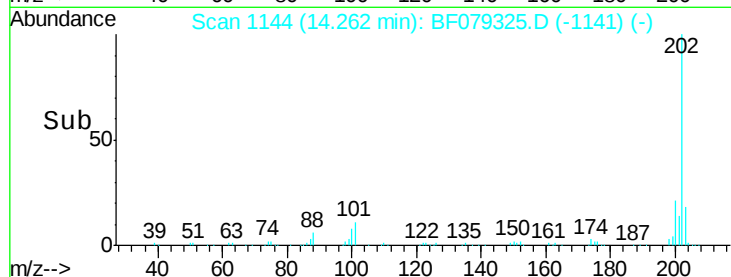
#74
Fluoranthene
Concen: 9.18 ng
RT: 14.26 min Scan# 1144
Delta R.T. -0.11 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Instrument :
BNA_F
ClientSampleId :
WC-14-D1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.7
203	17.7	0.0	37.9

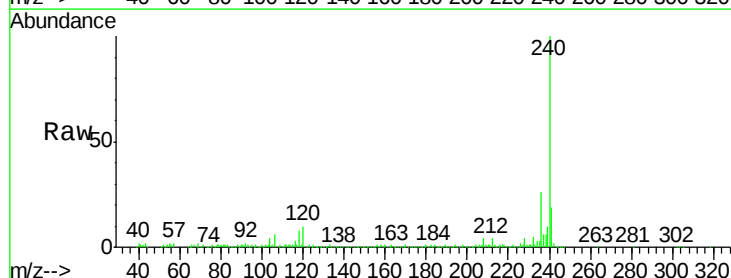


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

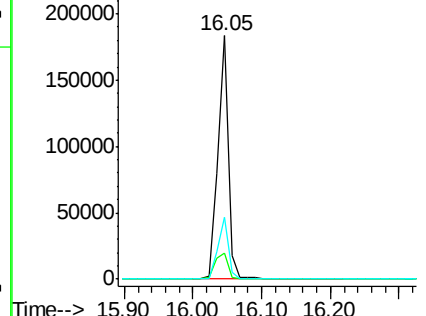
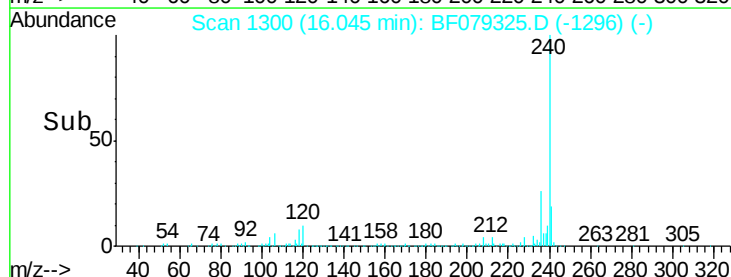


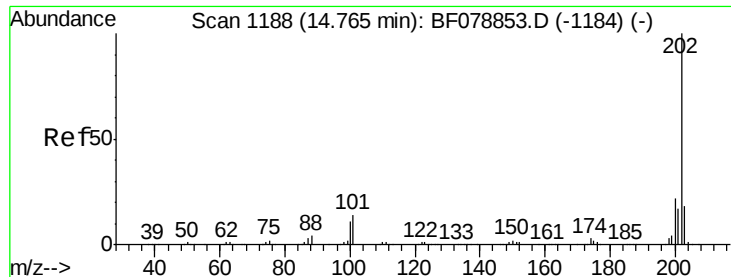
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.46 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	12.8
236	25.6	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

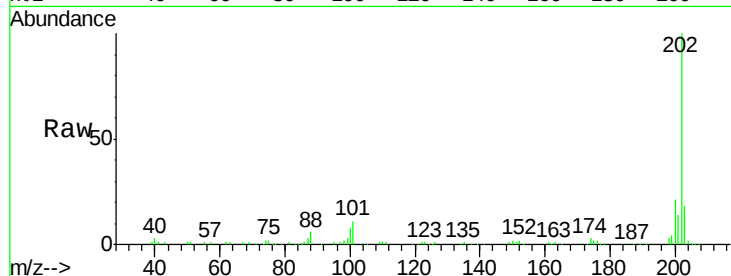




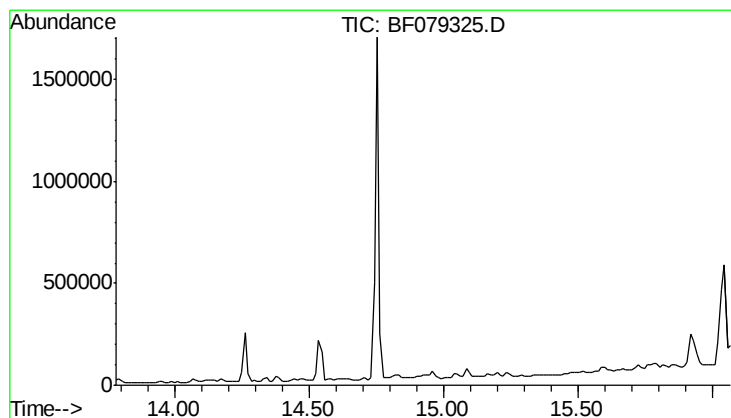
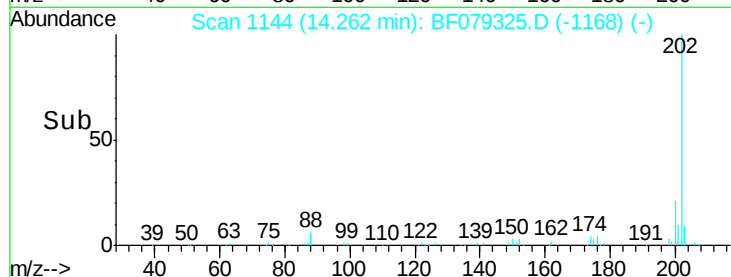
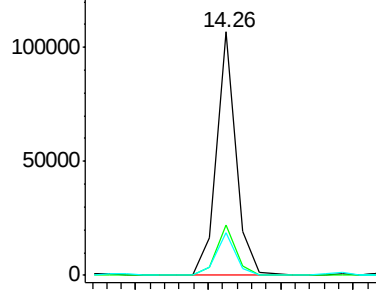
#77
 Pyrene
 Concen: 8.72 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.42 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.5	26.3
203	17.7	14.7	22.1



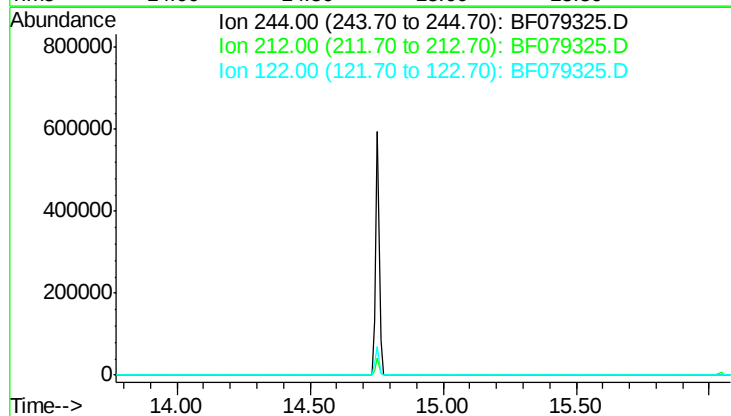
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

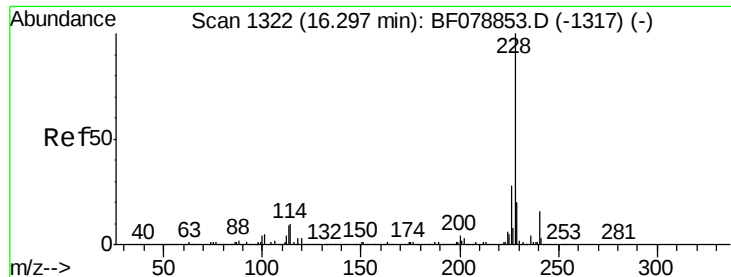


#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min

Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion	Sig	Exp Ratio
244	100	
212	7.0	
122	13.1	

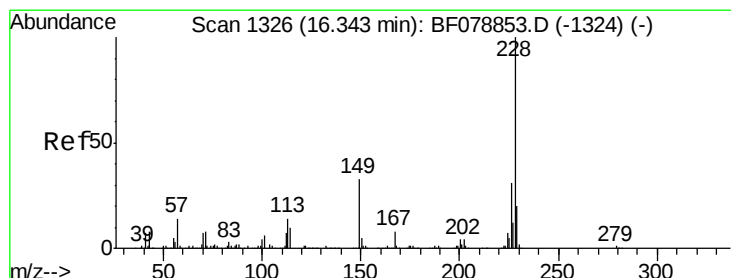
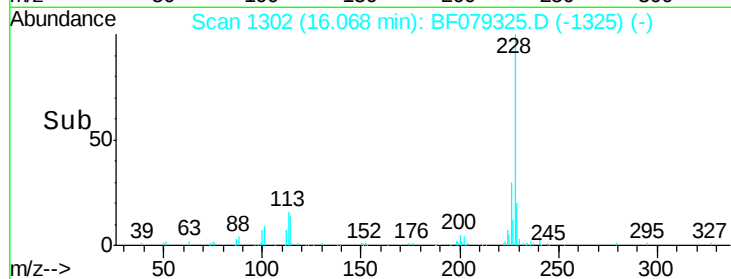
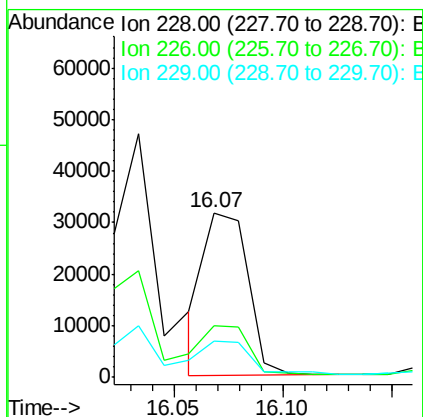
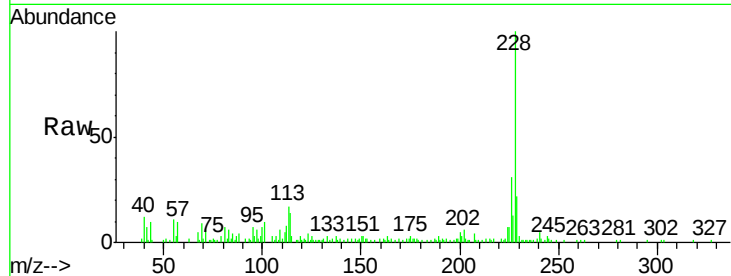




#80
Benzo(a)anthracene
Concen: 4.08 ng
RT: 16.07 min Scan# 1302
Delta R.T. -0.42 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

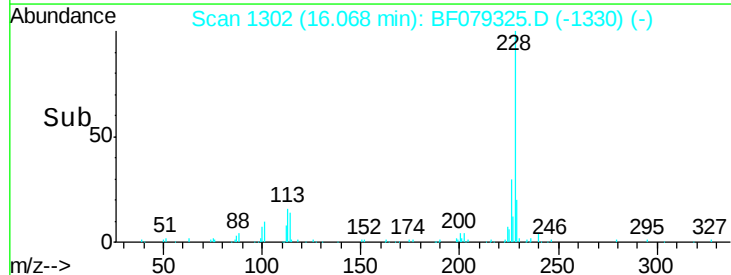
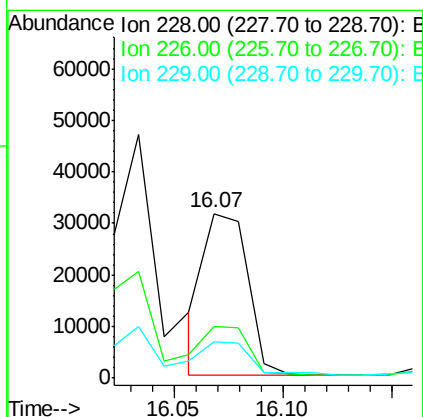
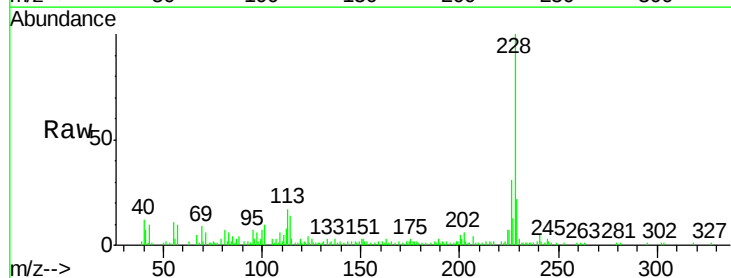
Instrument :
BNA_F
ClientSampleId :
WC-14-D1

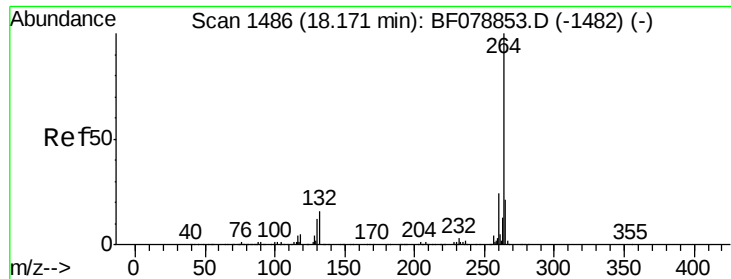
Tgt Ion:228 Resp: 44384
Ion Ratio Lower Upper
228 100
226 31.5 22.3 33.5
229 21.8 16.1 24.1



#82
Chrysene
Concen: 4.21 ng
RT: 16.07 min Scan# 1302
Delta R.T. -0.48 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Tgt Ion:228 Resp: 44038
Ion Ratio Lower Upper
228 100
226 31.5 24.8 37.2
229 21.8 16.1 24.1

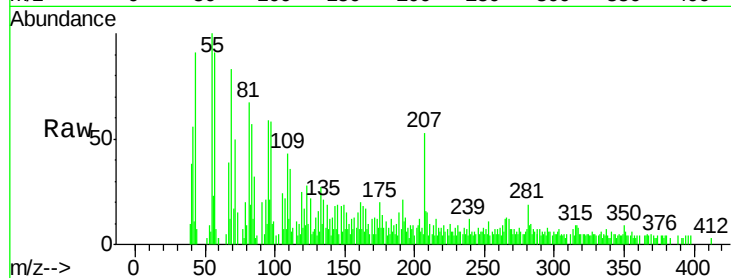




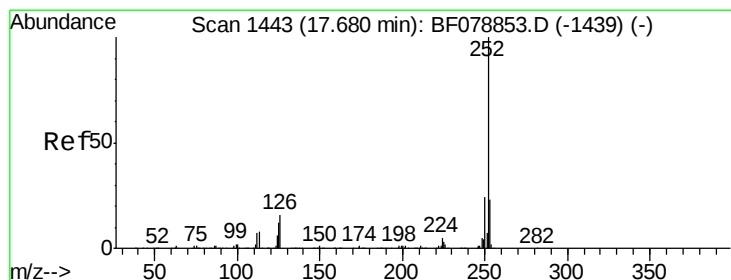
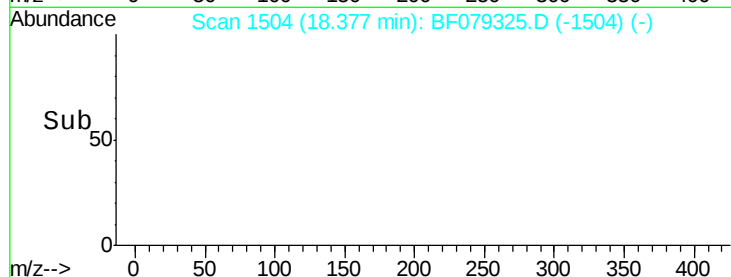
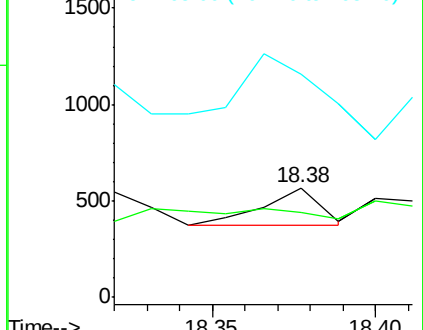
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.38 min Scan# 1504
Delta R.T. -0.50 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Instrument :
BNA_F
ClientSampleId :
WC-14-D1

Tgt Ion: 264 Resp: 244
Ion Ratio Lower Upper
264 100
260 77.4 19.2 28.8#
265 204.4 17.2 25.8#

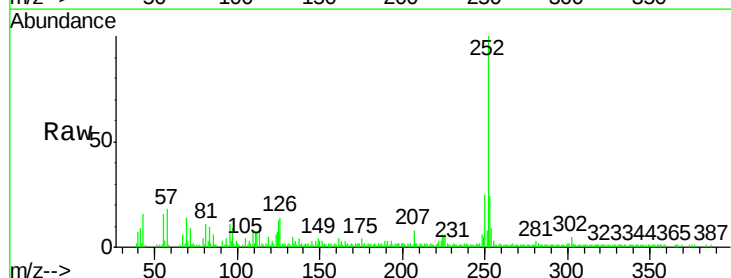


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

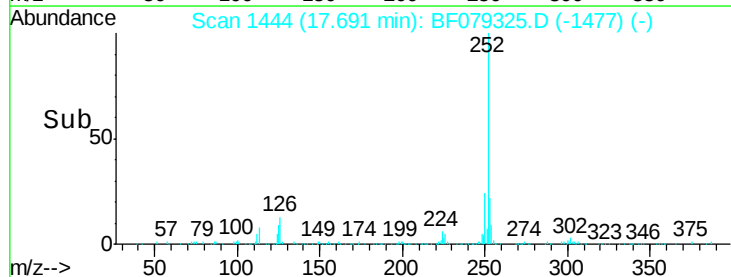
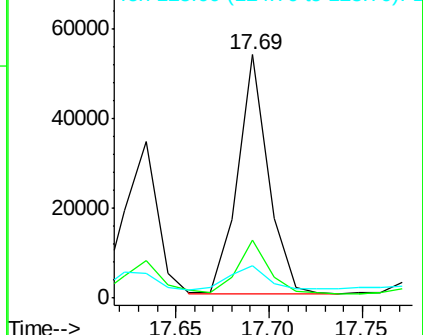


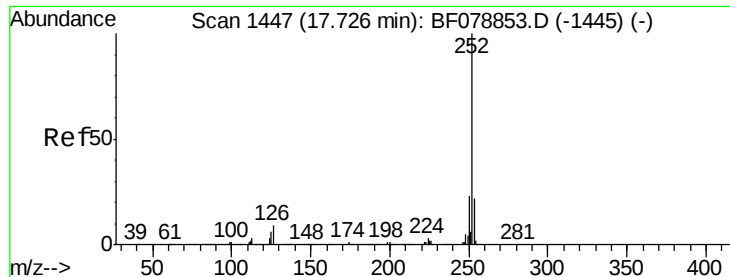
#87
Benzo(b)fluoranthene
Concen: 4538.09 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.56 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Tgt Ion: 252 Resp: 60608
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 13.2 9.4 14.2



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





#88

Benzo(k)fluoranthene

Concen: 1311.15 ng

RT: 17.78 min Scan# 1452

Delta R.T. -0.51 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

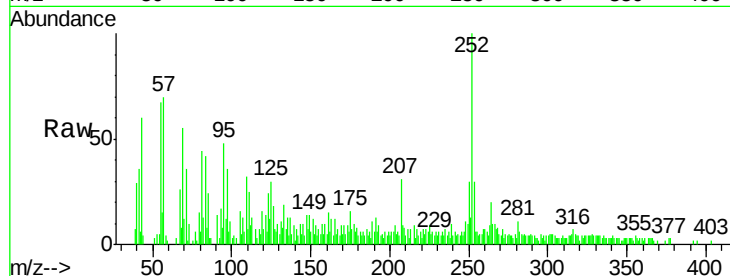
Tgt Ion: 252 Resp: 16952

Ion Ratio Lower Upper

252 100

253 29.9 17.4 26.0#

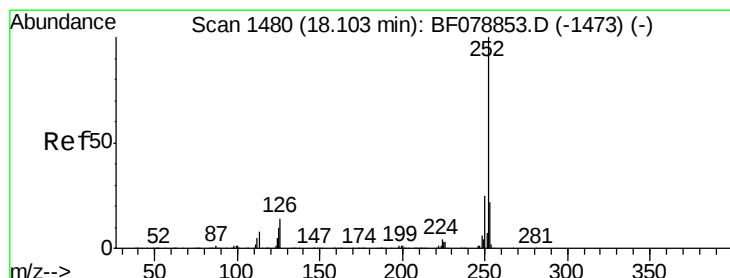
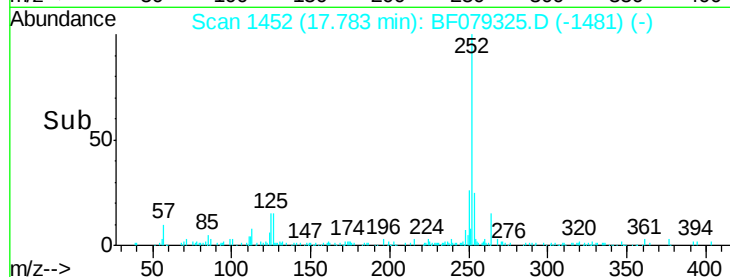
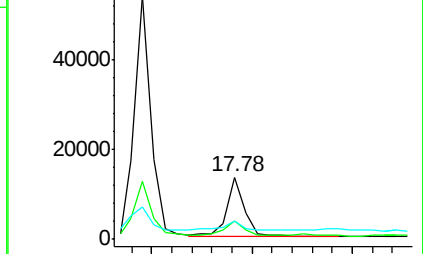
125 30.2 6.1 9.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 18.30 ng

RT: 18.30 min Scan# 1497

Delta R.T. -0.49 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

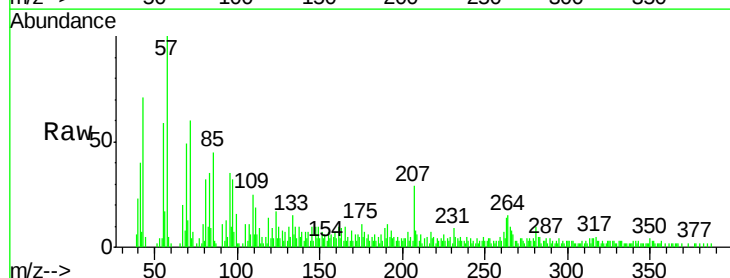
Tgt Ion: 252 Resp: 225

Ion Ratio Lower Upper

252 100

253 111.4 18.0 27.0#

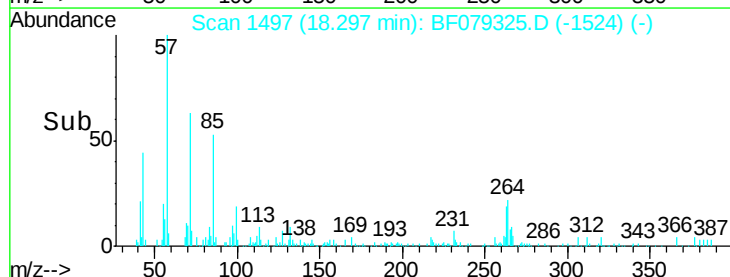
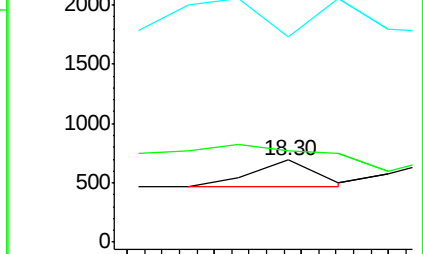
125 250.7 8.2 12.2#

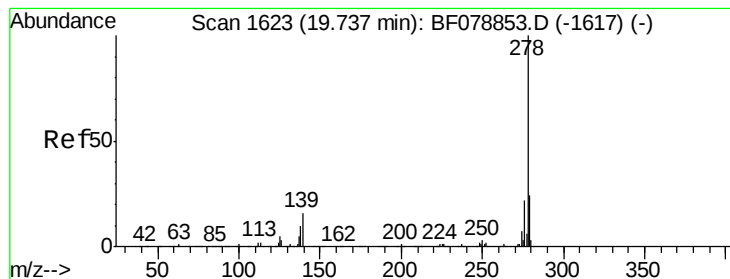


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 134.97 ng

RT: 20.14 min Scan# 1658

Delta R.T. -0.55 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

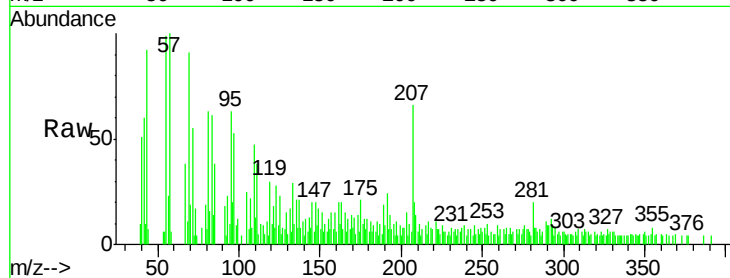
Tgt Ion: 278 Resp: 1764

Ion Ratio Lower Upper

278 100

139 164.8 13.1 19.7#

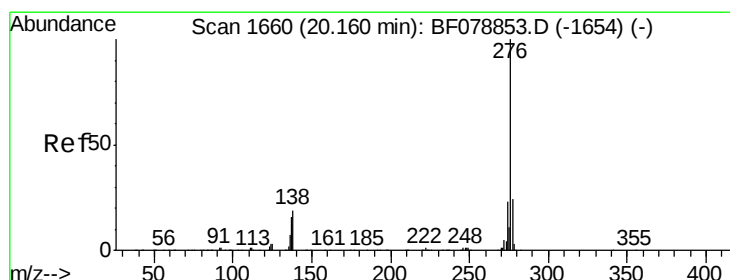
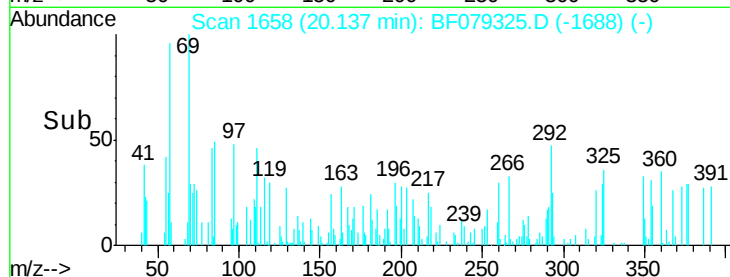
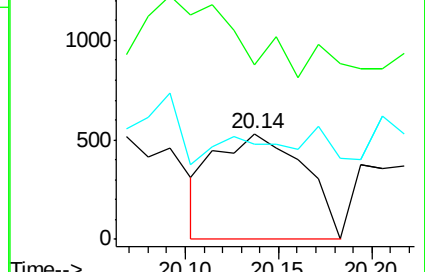
279 90.0 19.1 28.7#



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: 19.31 ng

RT: 20.56 min Scan# 1695

Delta R.T. -0.53 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

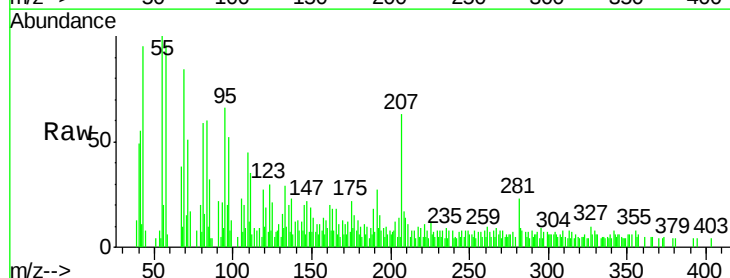
Tgt Ion: 276 Resp: 253

Ion Ratio Lower Upper

276 100

277 114.4 18.8 28.2#

138 95.1 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

