

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079334.D
 Acq On : 19 May 2015 5:52
 Operator : TP/IZ
 Sample : G2270-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13

Quant Time: May 19 07:22:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 06:58:14 2015
 Response via : Initial Calibration

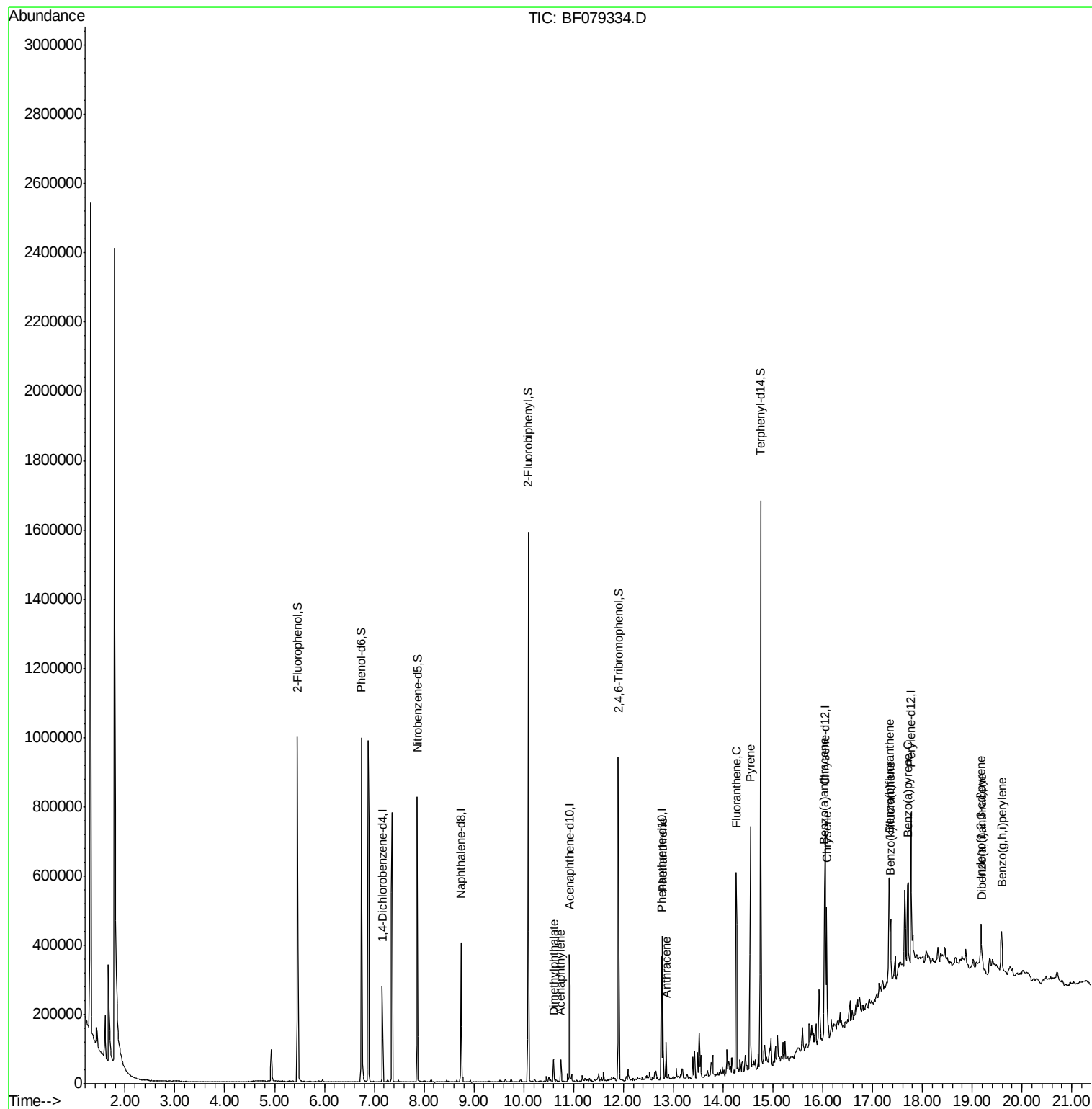
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	47082	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	199318	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	98053	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	189766	20.00	ng	0.01
75) Chrysene-d12	16.05	240	195048	20.00	ng	-0.01
86) Perylene-d12	17.77	264	198990	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	332815m	121.68	ng	0.01
7) Phenol-d6	6.74	99	425239	117.62	ng	0.00
23) Nitrobenzene-d5	7.86	82	253608	73.13	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	127221	119.93	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	512124	72.77	ng	0.00
78) Terphenyl-d14	14.75	244	587523	72.12	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.74	152	31198	3.13	ng	99
49) Dimethylphthalate	10.60	163	38623	5.37	ng	# 99
70) Phenanthrene	12.79	178	160052	15.08	ng	100
71) Anthracene	12.86	178	48185	4.63	ng	99
74) Fluoranthene	14.26	202	316836	28.64	ng	99
77) Pyrene	14.55	202	306906	27.31	ng	99
80) Benzo(a)anthracene	16.03	228	170560m	15.97	ng	
82) Chrysene	16.08	228	155853	15.17	ng	98
85) Indeno(1,2,3-cd)pyrene	19.18	276	95534	7.30	ng	94
87) Benzo(b)fluoranthene	17.34	252	212855m	19.54	ng	
88) Benzo(k)fluoranthene	17.36	252	73662m	6.99	ng	
89) Benzo(a)pyrene	17.71	252	144876	14.45	ng	98
90) Dibenzo(a,h)anthracene	19.19	278	22661	2.13	ng	# 76
91) Benzo(a,h,i)perylene	19.59	276	93278	8.73	ng	# 94

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

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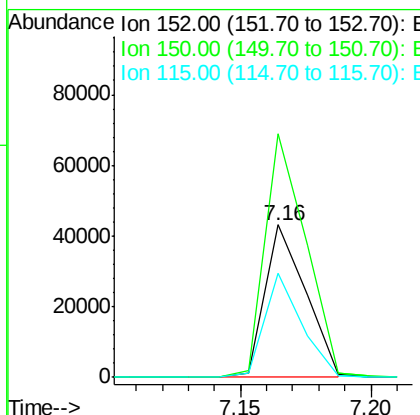
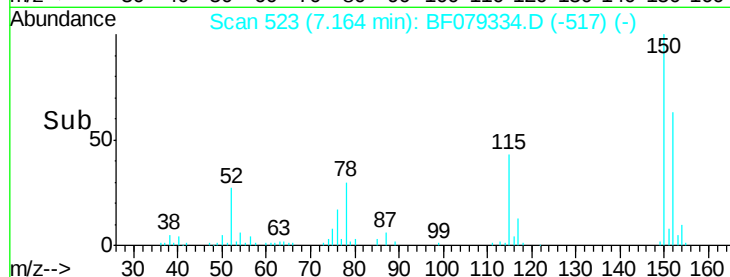
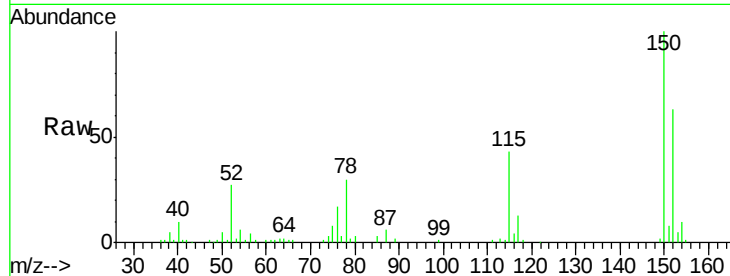




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079334.D
 Acq: 19 May 2015 5:52

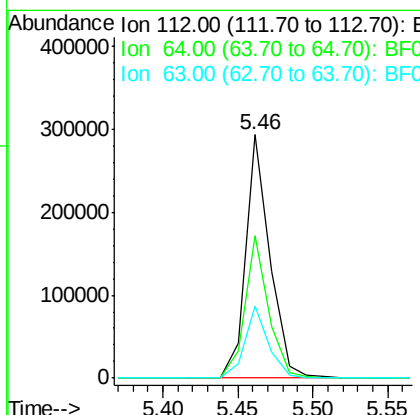
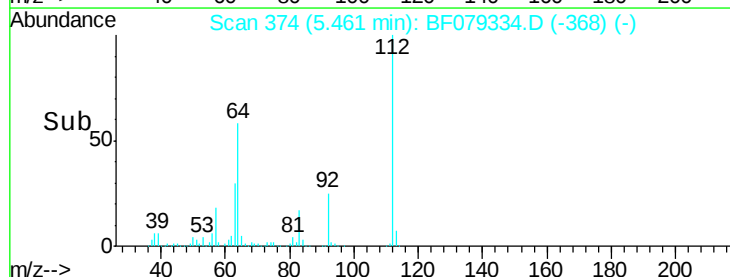
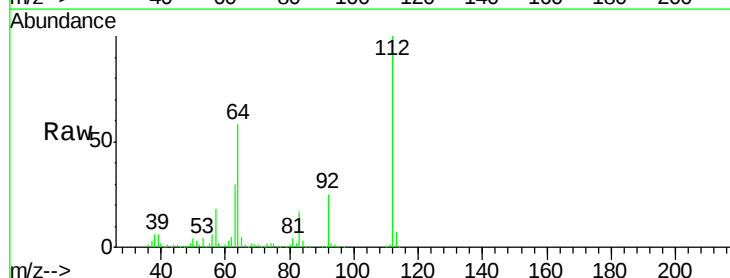
Instrument :
 BNA_F
 ClientSampleId :
 SB-13

Tot Ion:	152	Resp:	47082
Ion	Ratio	Lower	Upper
152	100		
150	159.6	123.8	185.8
115	67.9	49.4	74.0



#5
 2-Fluorophenol
 Concen: 121.68 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079334.D
 Acq: 19 May 2015 5:52

Tgt Ion:	112	Resp:	332815
Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.2	66.2
63	29.7	22.7	34.1





#7

Phenol-d6

Concen: 117.62 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

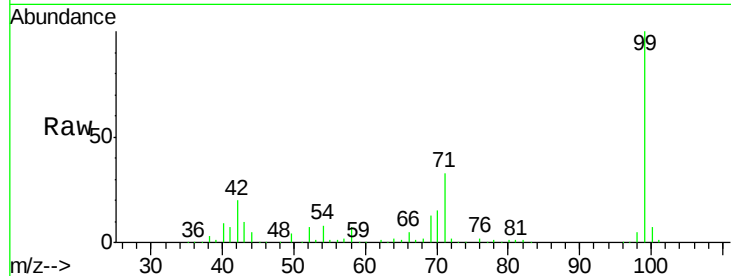
Tot Ion: 99 Resp: 425239

Ion Ratio Lower Upper

99 100

42 20.4 17.1 25.7

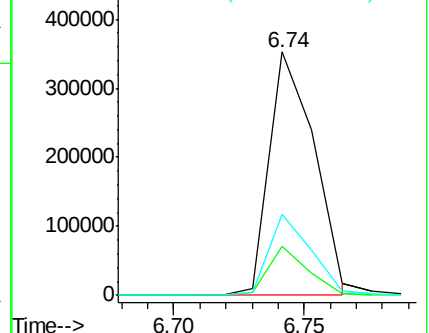
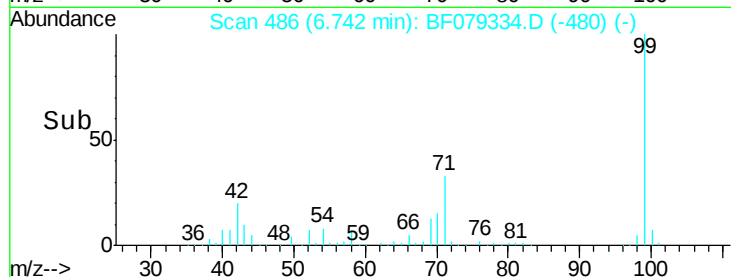
71 33.4 26.3 39.5



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Tgt Ion: 136 Resp: 199318

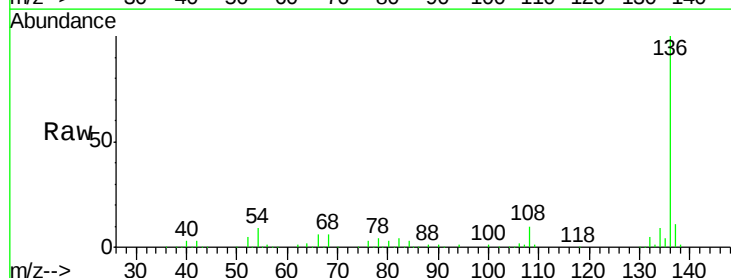
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.8 6.9 10.3

68 6.5 4.9 7.3

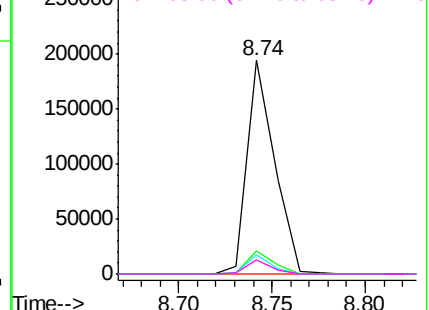
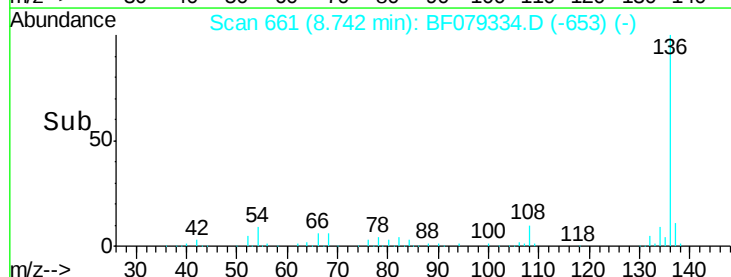


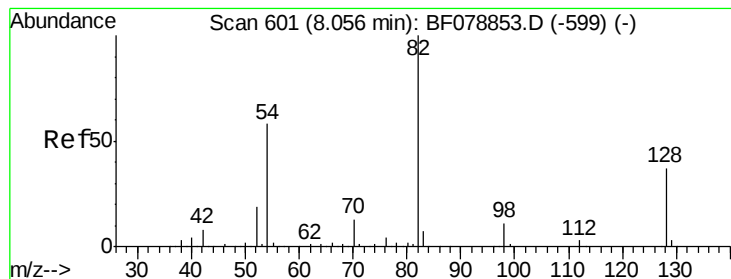
Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.13 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

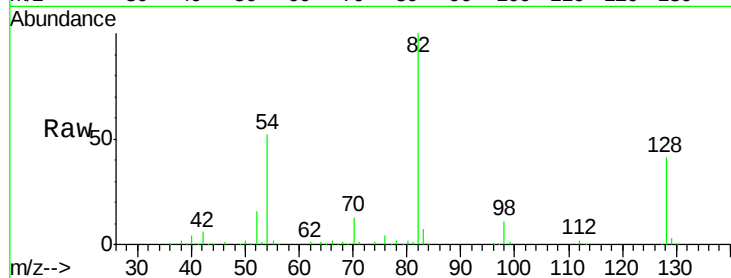
Tot Ion: 82 Resp: 253608

Ion Ratio Lower Upper

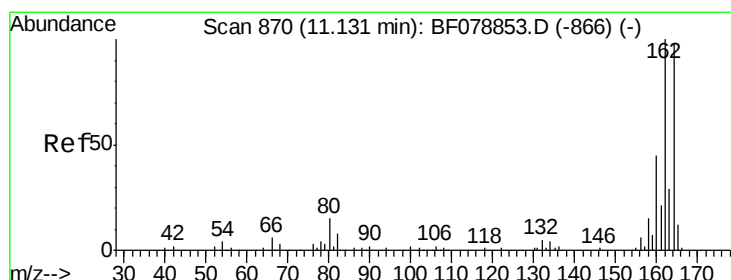
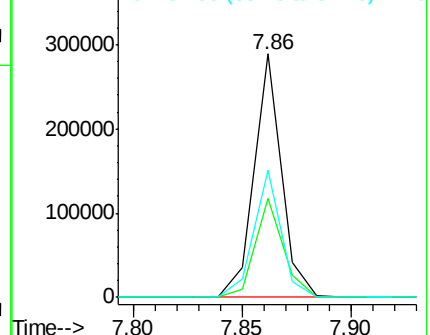
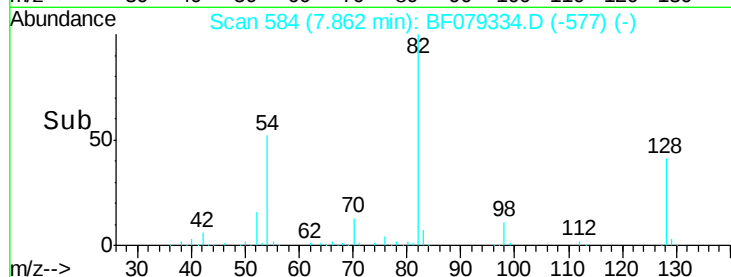
82 100

128 40.7 29.7 44.5

54 52.4 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079334.D (-577) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.91 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

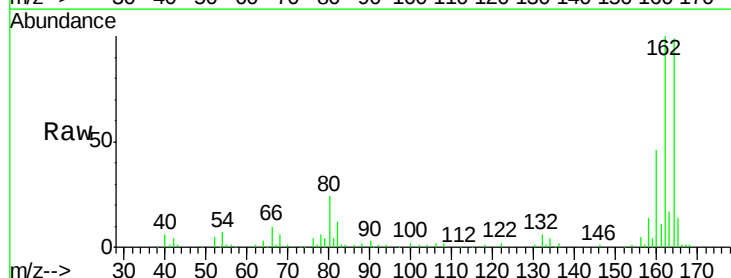
Tgt Ion: 164 Resp: 98053

Ion Ratio Lower Upper

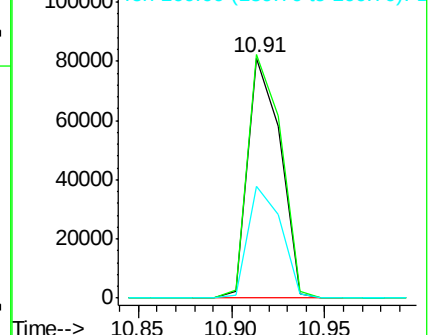
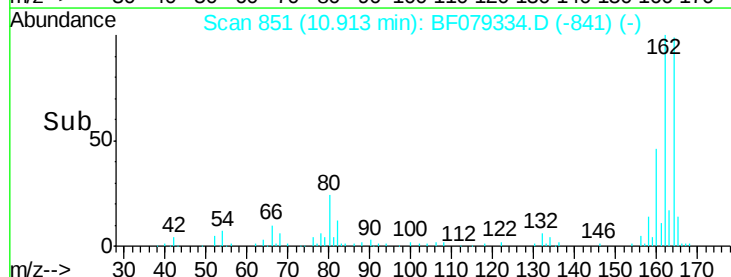
164 100

162 101.3 81.4 122.0

160 46.4 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): BF079334.D (-841) (-)

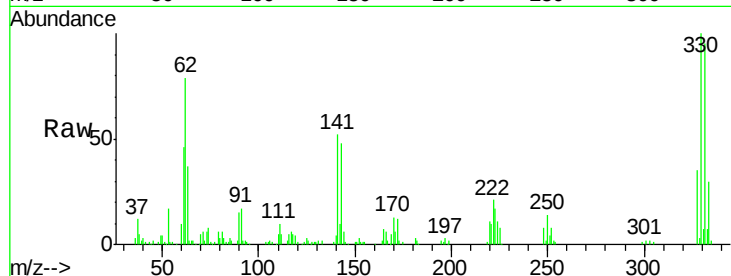




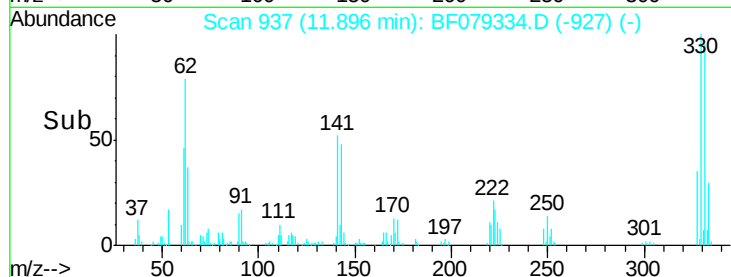
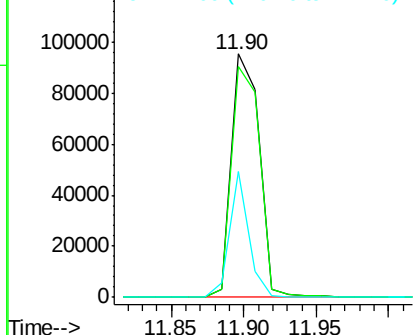
#41
 2,4,6-Tribromophenol
 Concen: 119.93 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF079334.D
 Acq: 19 May 2015 5:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-13

Tot Ion:330 Resp: 127221
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.9 115.3
 141 35.8 27.8 41.8

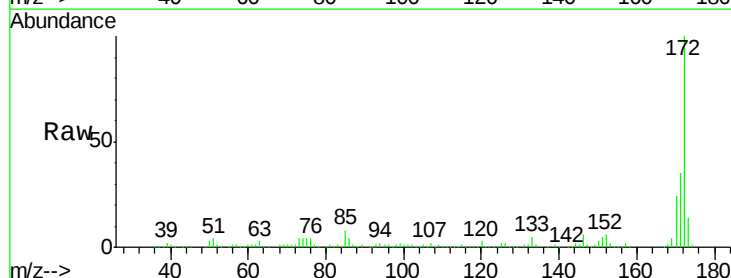


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

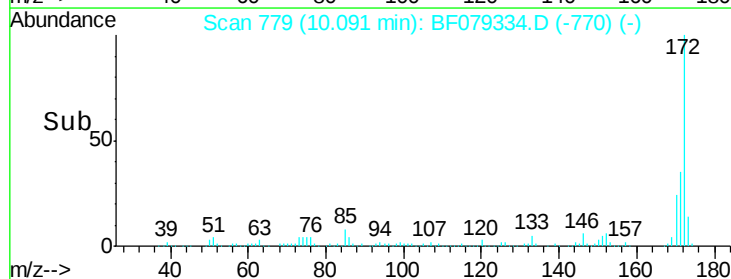
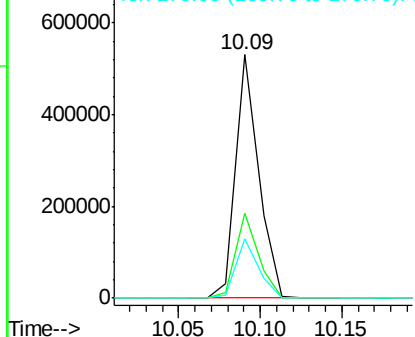


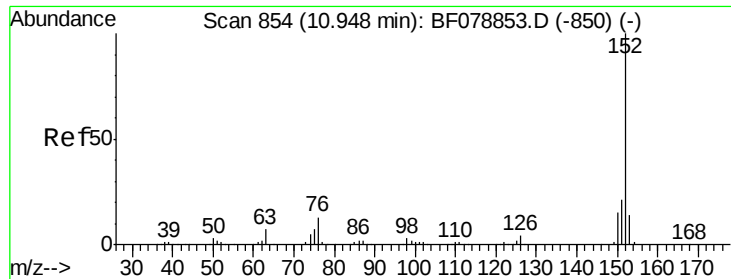
#44
 2-Fluorobiphenyl
 Concen: 72.77 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF079334.D
 Acq: 19 May 2015 5:52

Tgt Ion:172 Resp: 512124
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.3 42.5
 170 24.1 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





#48

Acenaphthylene

Concen: 3.13 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

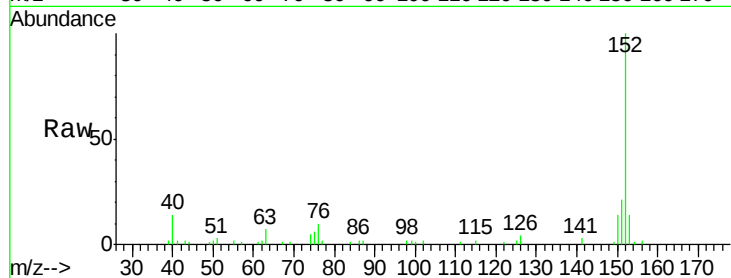
Tot Ion:152 Resp: 31198

Ion Ratio Lower Upper

152 100

151 21.5 16.6 24.8

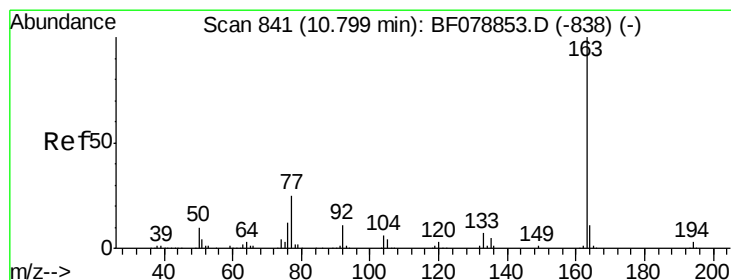
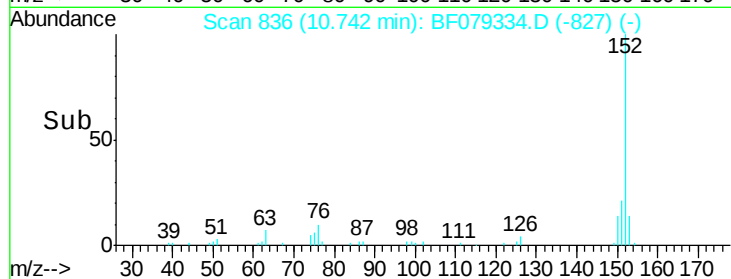
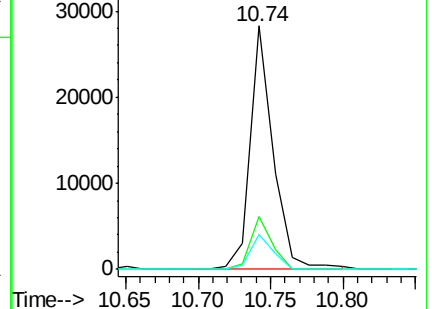
153 14.2 11.0 16.6



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: 5.37 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

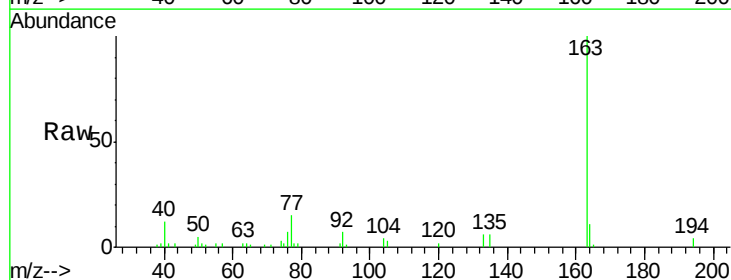
Tgt Ion:163 Resp: 38623

Ion Ratio Lower Upper

163 100

194 4.2 2.4 3.6#

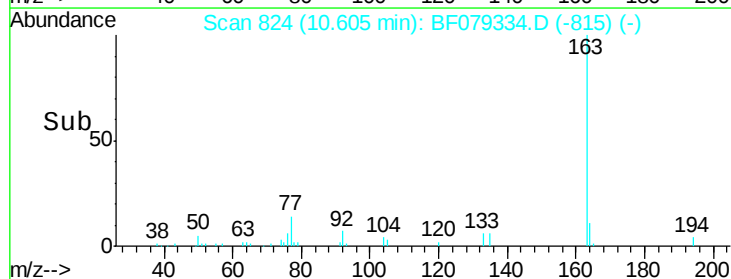
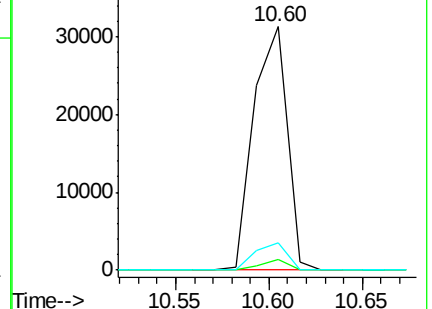
164 11.0 8.6 12.8

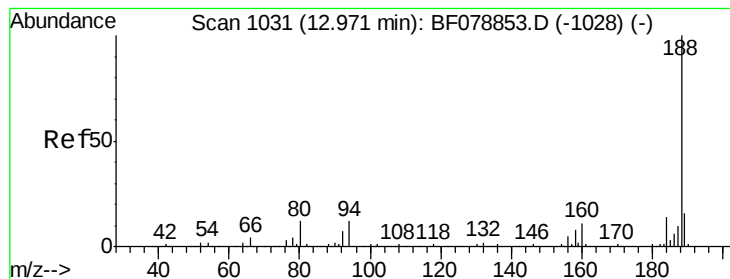


Abundance Ion 163.00 (162.70 to 163.70): E

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: 12.77 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

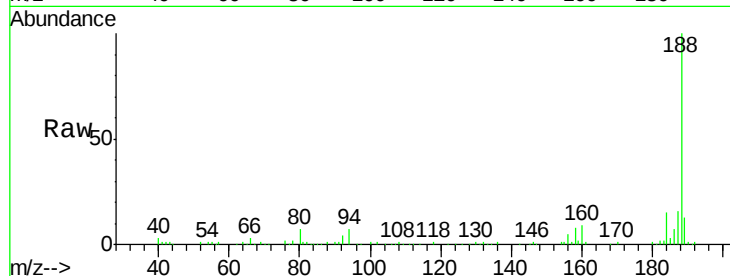
Tot Ion:188 Resp: 189766

Ion Ratio Lower Upper

188 100

94 7.0 9.4 14.0#

80 7.0 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

200000

150000

100000

50000

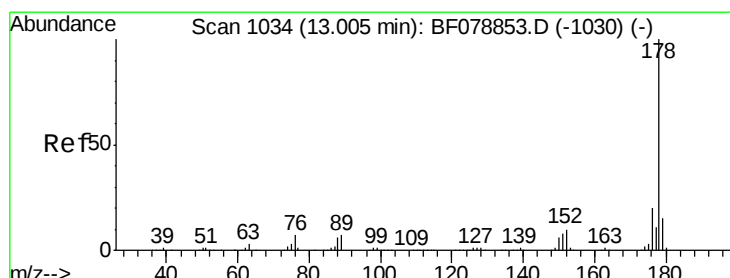
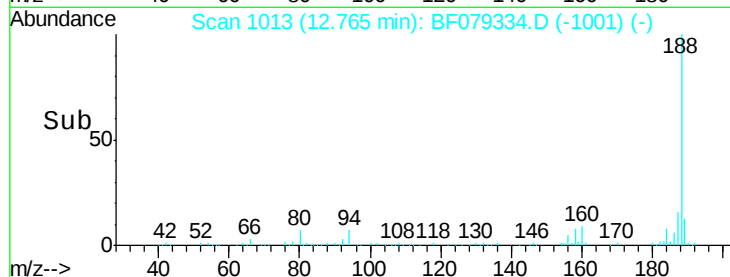
0

12.77

12.75

12.80

Time-->



#70

Phenanthrene

Concen: 15.08 ng

RT: 12.79 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

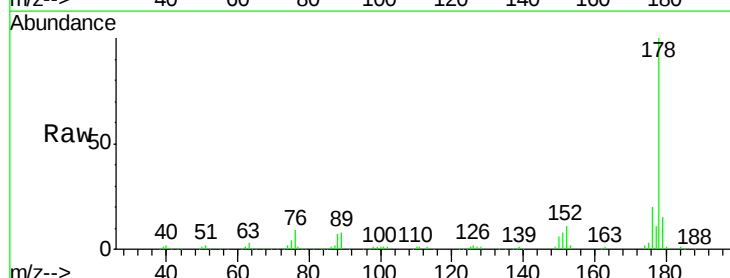
Tgt Ion:178 Resp: 160052

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

179 15.0 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

200000

150000

100000

50000

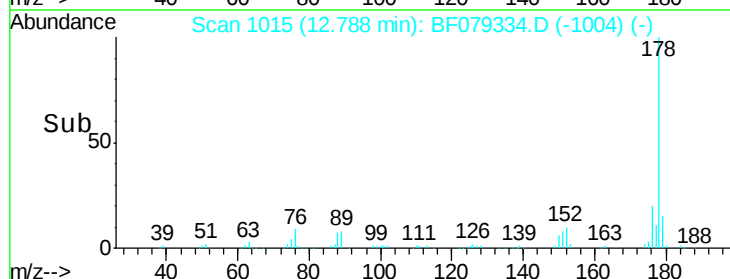
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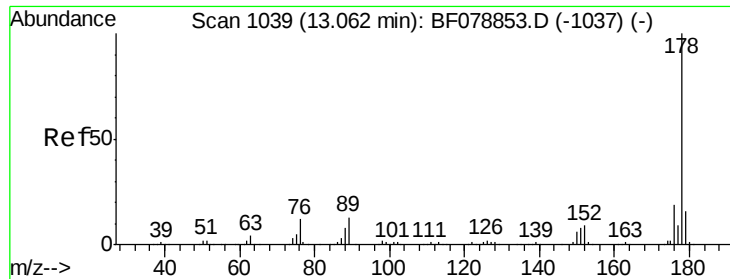
12.79

12.75

12.80

Time-->

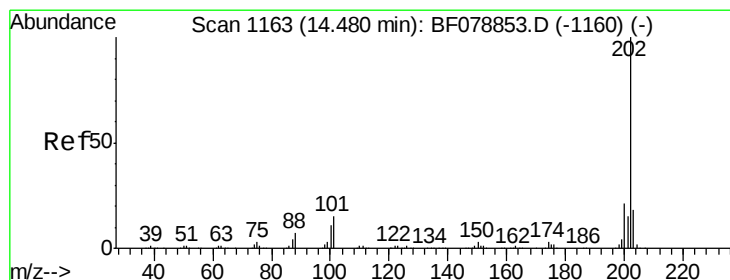
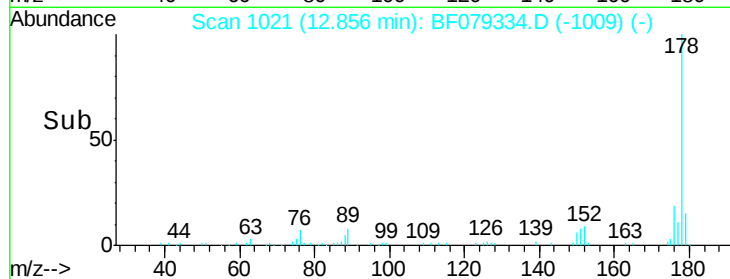
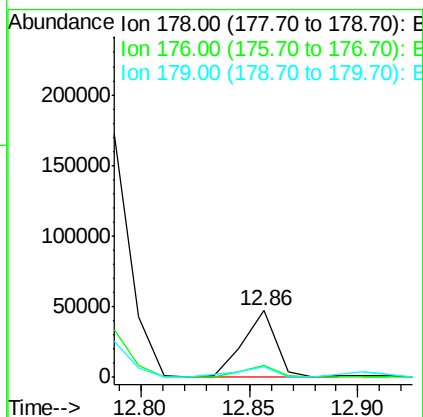
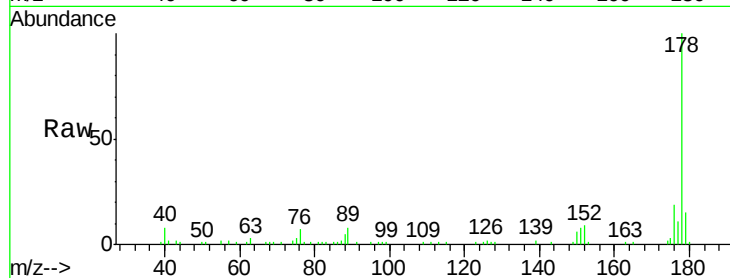




#71
 Anthracene
 Concen: 4.63 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: BF079334.D
 Acq: 19 May 2015 5:52

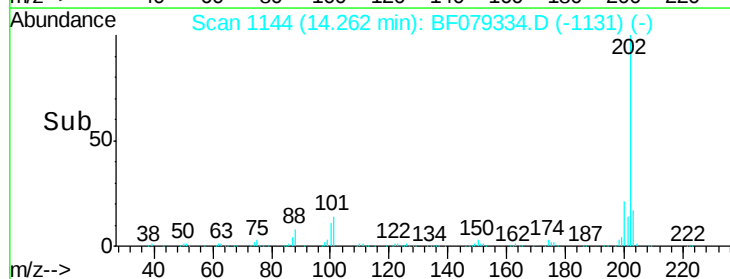
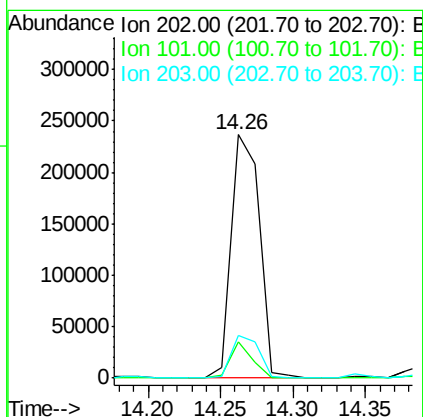
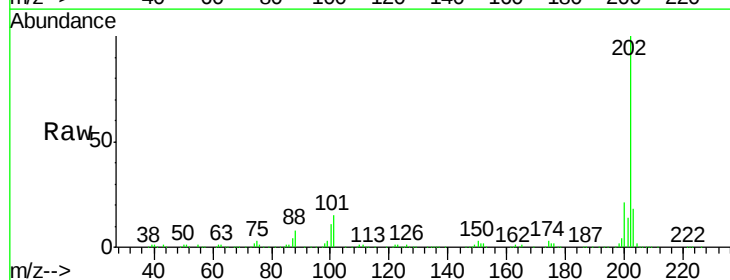
Instrument :
 BNA_F
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 SB-13

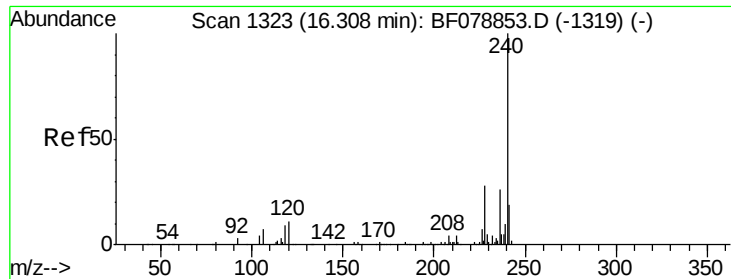
Tot Ion:178 Resp: 48185
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 28.64 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: BF079334.D
 Acq: 19 May 2015 5:52

Tgt Ion:202 Resp: 316836
 Ion Ratio Lower Upper
 202 100
 101 15.0 0.0 34.7
 203 17.7 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.05 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

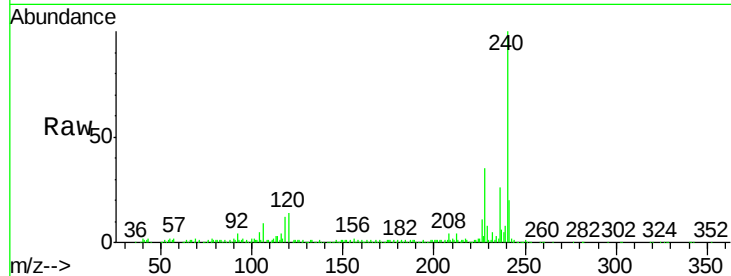
Tot Ion:240 Resp: 195048

Ion Ratio Lower Upper

240 100

120 14.3 8.6 12.8#

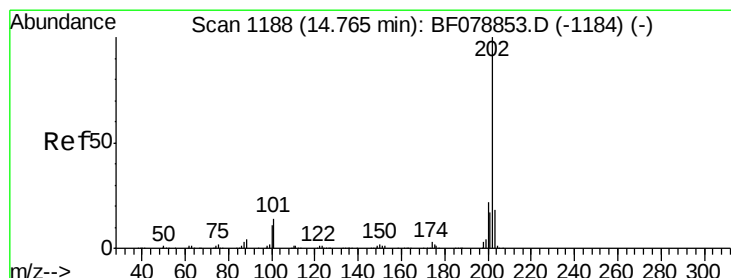
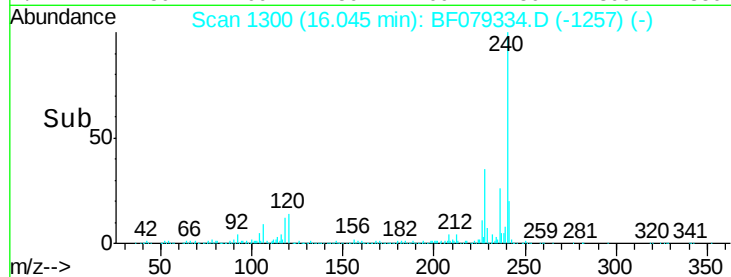
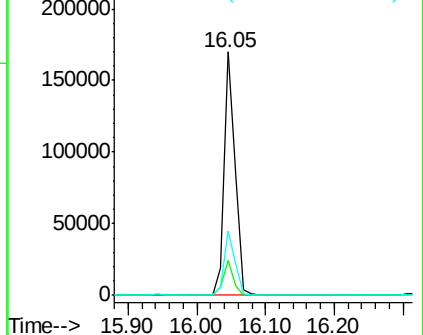
236 26.4 21.0 31.6



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: 27.31 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

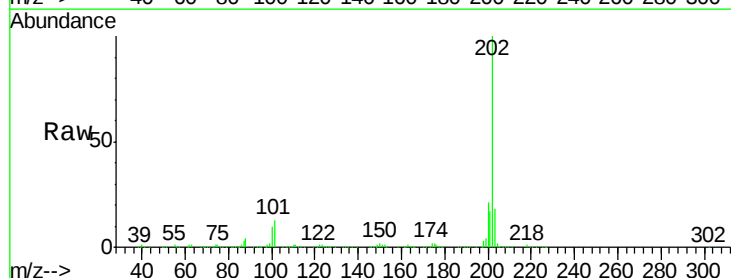
Tgt Ion:202 Resp: 306906

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

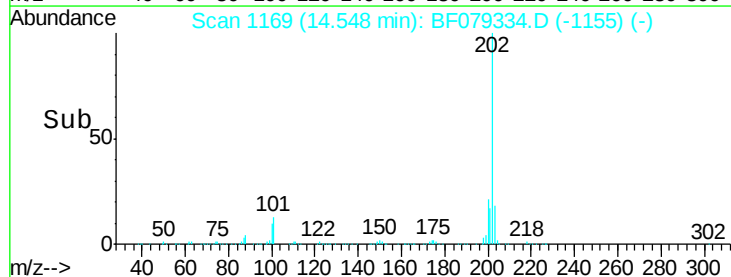
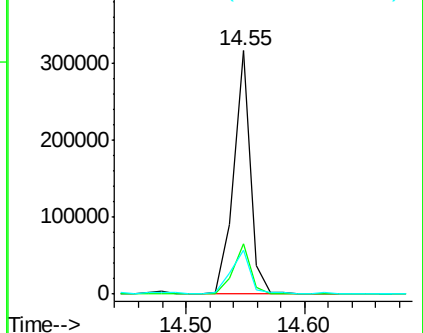
203 18.2 14.7 22.1

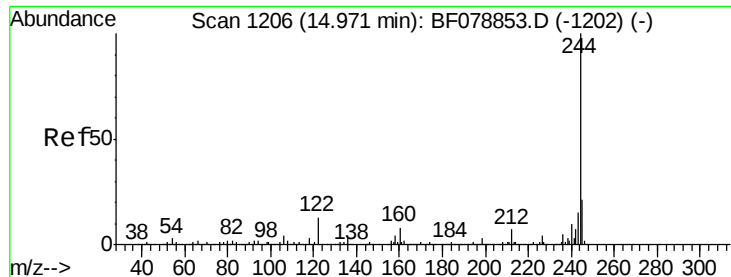


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.12 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

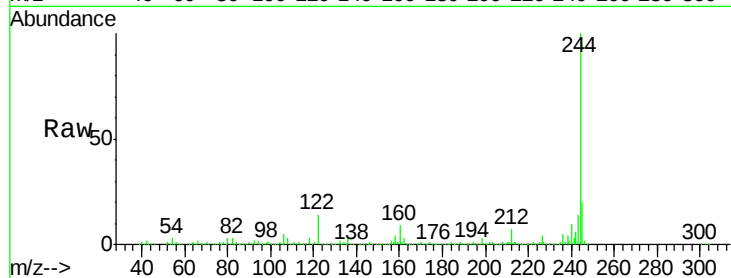
Tot Ion:244 Resp: 587523

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

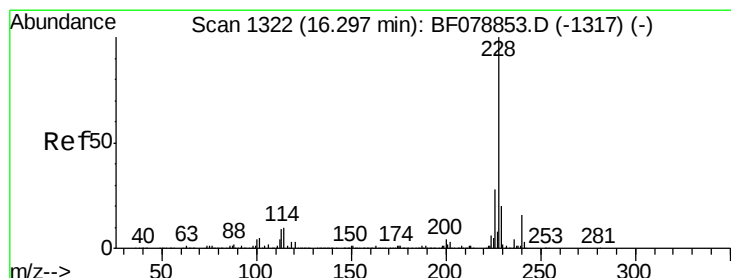
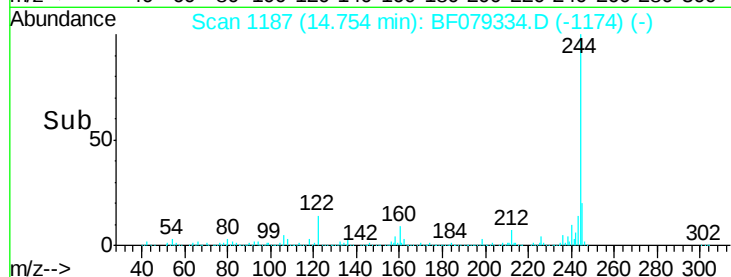
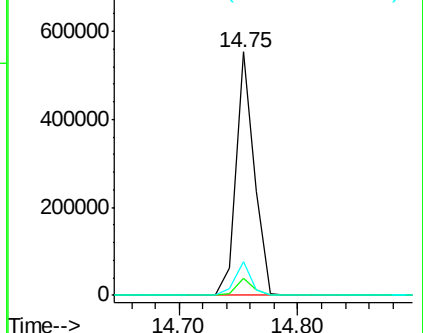
122 13.8 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 15.97 ng m

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

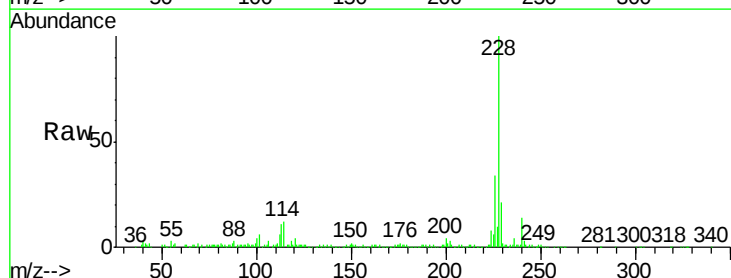
Tgt Ion:228 Resp: 170560

Ion Ratio Lower Upper

228 100

226 33.8 22.3 33.5#

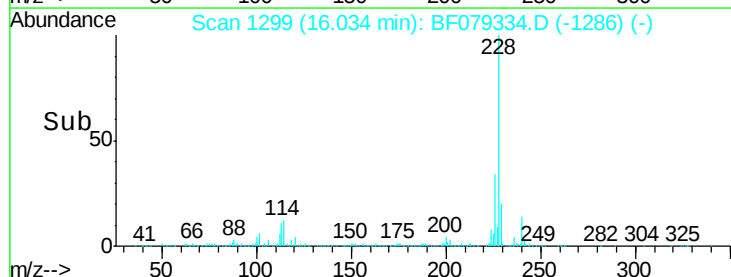
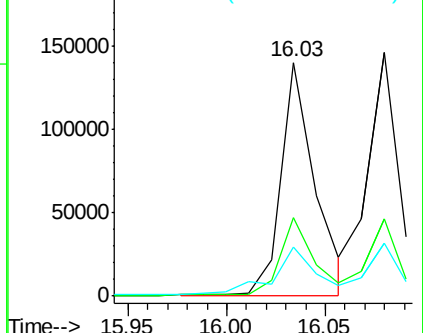
229 21.0 16.1 24.1

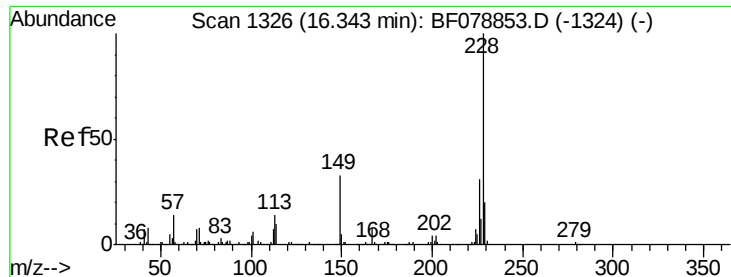


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

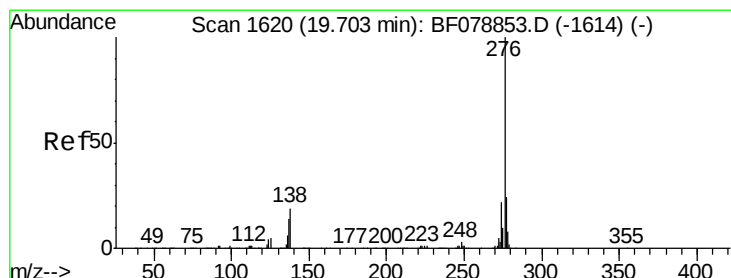
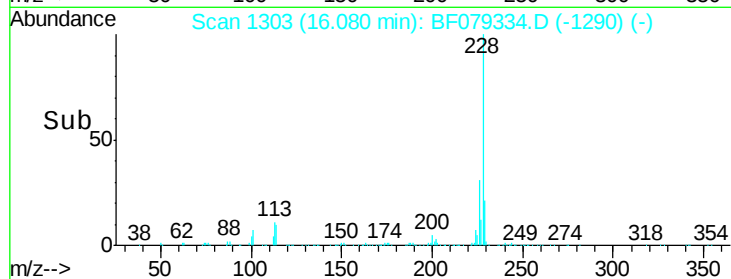
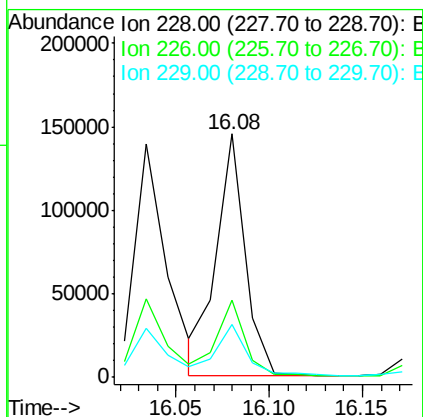
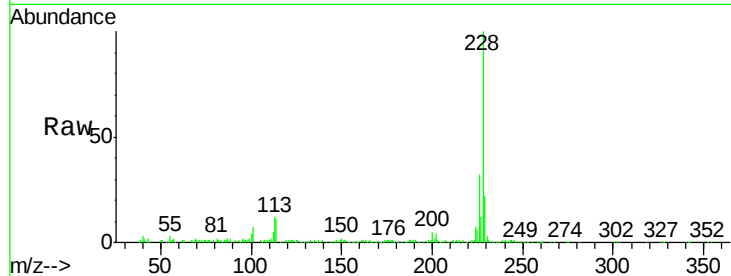




#82
Chrysene
Concen: 15.17 ng
RT: 16.08 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF079334.D
Acq: 19 May 2015 5:52

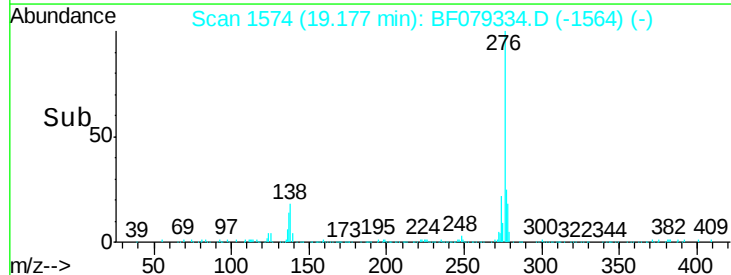
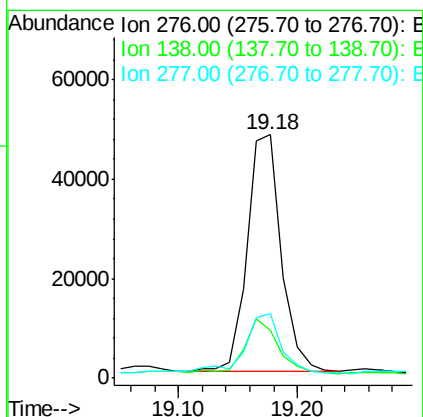
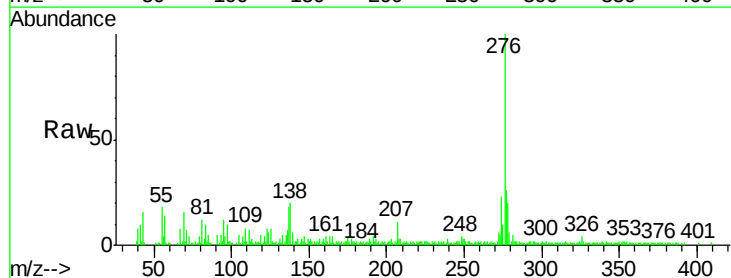
Instrument :
BNA_F
ClientSampled :
SB-13

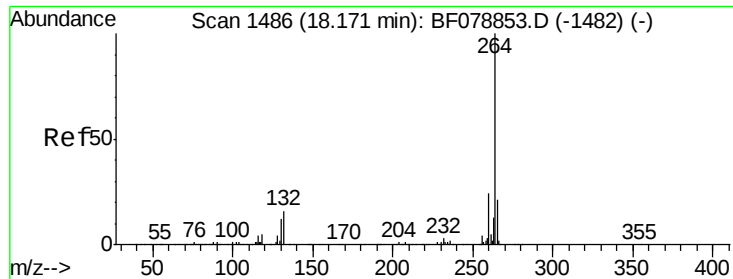
Tot Ion:228 Resp: 155853
Ion Ratio Lower Upper
228 100
226 31.7 24.8 37.2
229 21.6 16.1 24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.30 ng
RT: 19.18 min Scan# 1574
Delta R.T. -0.09 min
Lab File: BF079334.D
Acq: 19 May 2015 5:52

Tgt Ion:276 Resp: 95534
Ion Ratio Lower Upper
276 100
138 23.2 21.1 31.7
277 27.7 19.9 29.9

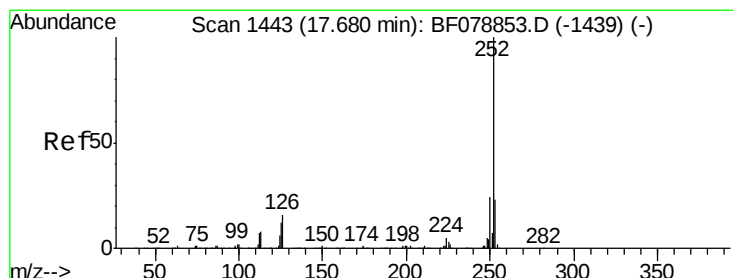
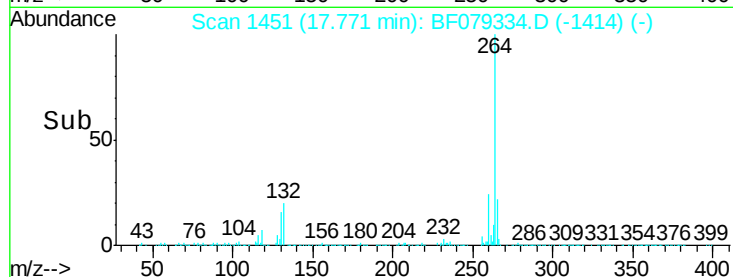
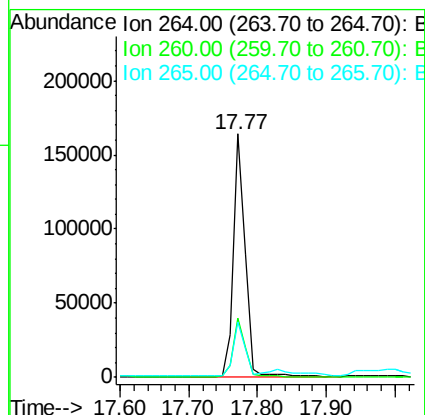
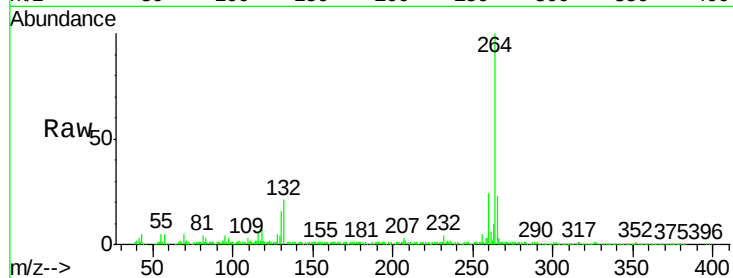




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1451
Delta R.T. -0.08 min
Lab File: BF079334.D
Acq: 19 May 2015 5:52

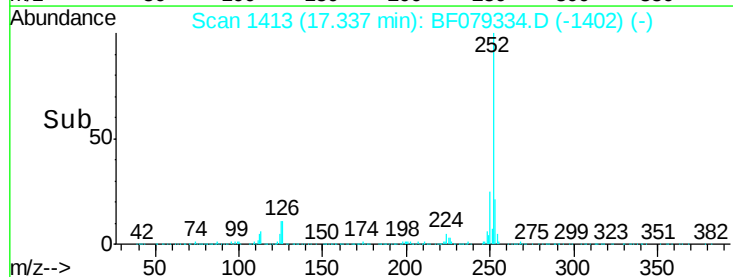
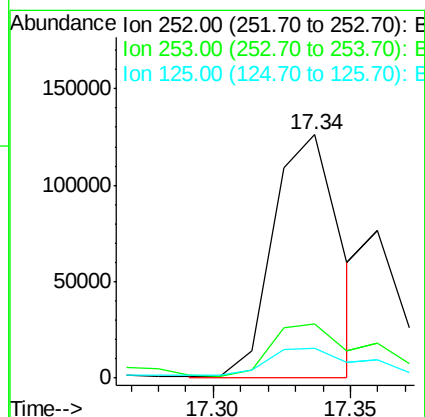
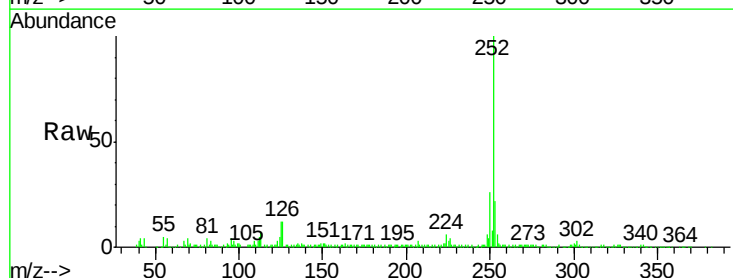
Instrument :
BNA_F
ClientSampleId :
SB-13

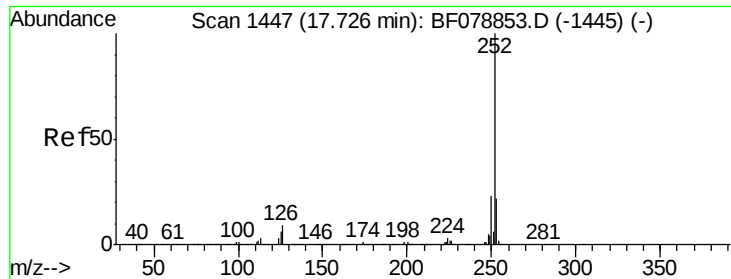
Tot Ion:264 Resp: 198990
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 19.54 ng m
RT: 17.34 min Scan# 1413
Delta R.T. -0.06 min
Lab File: BF079334.D
Acq: 19 May 2015 5:52

Tgt Ion:252 Resp: 212855
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 12.5 9.4 14.2

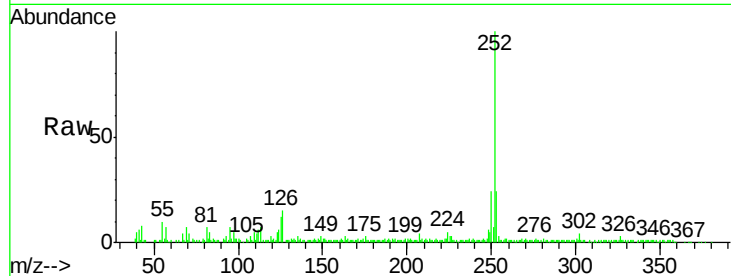




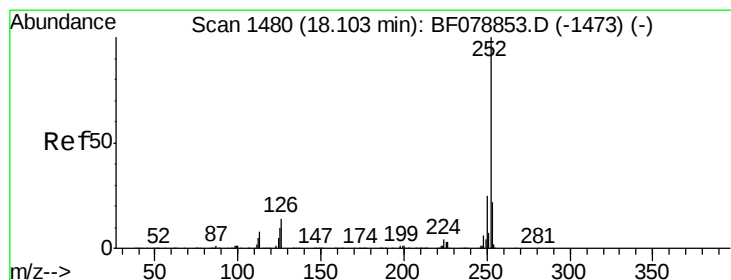
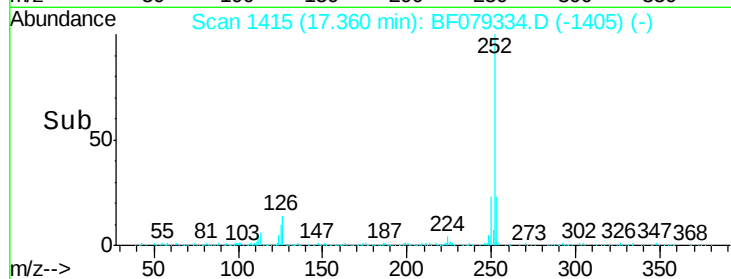
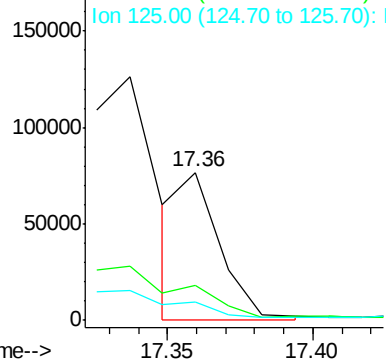
#88
Benzo(k)fluoranthene
Concen: 6.99 ng/mL
RT: 17.36 min Scan# 1415
Delta R.T. -0.07 min
Lab File: BF079334.D
Acq: 19 May 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-13

Tot Ion: 252 Resp: 73662
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 12.0 6.1 9.1#

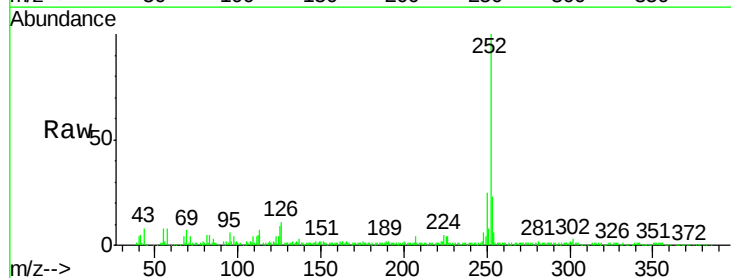


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

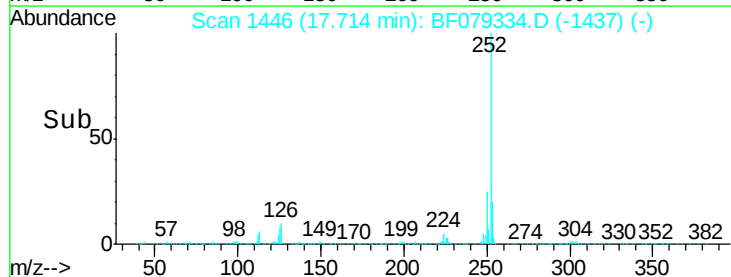
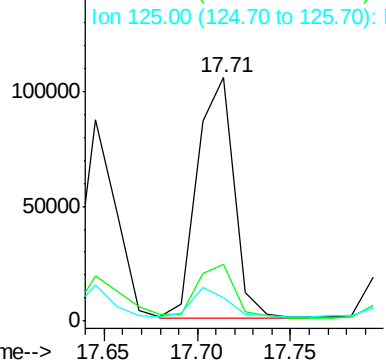


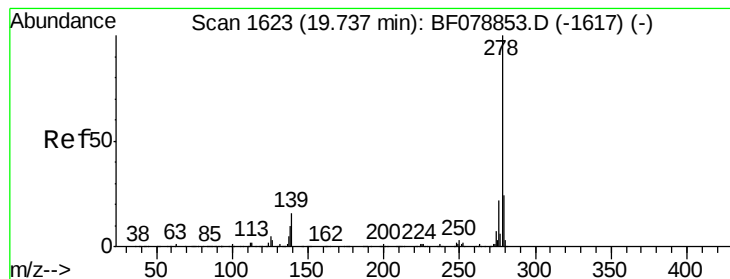
#89
Benzo(a)pyrene
Concen: 14.45 ng/mL
RT: 17.71 min Scan# 1446
Delta R.T. -0.08 min
Lab File: BF079334.D
Acq: 19 May 2015 5:52

Tgt Ion: 252 Resp: 144876
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 9.4 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: 2.13 ng

RT: 19.19 min Scan# 1575

Delta R.T. -0.11 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-13

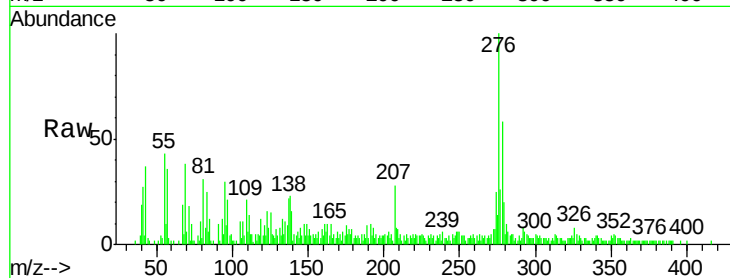
Tot Ion:278 Resp: 22661

Ion Ratio Lower Upper

278 100

139 27.3 13.1 19.7#

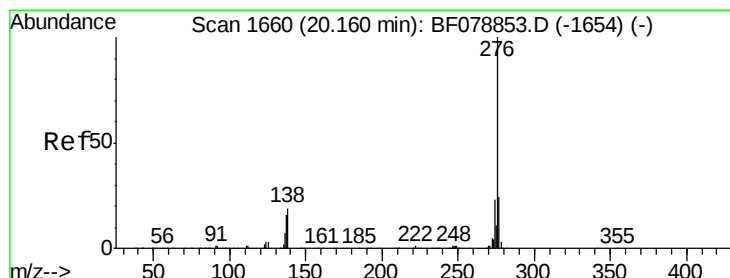
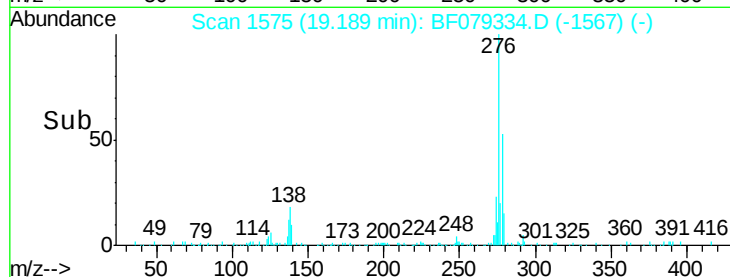
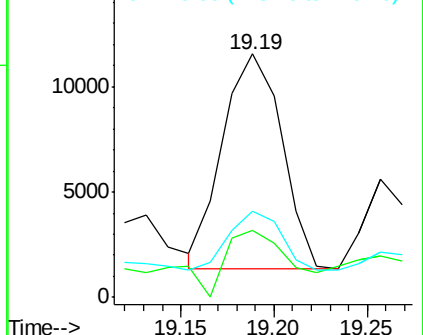
279 35.4 19.1 28.7#



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: 8.73 ng

RT: 19.59 min Scan# 1610

Delta R.T. -0.10 min

Lab File: BF079334.D

Acq: 19 May 2015 5:52

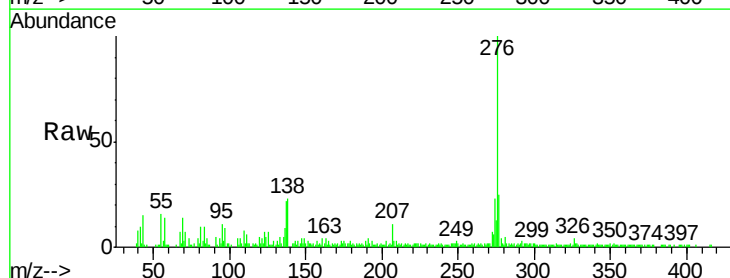
Tgt Ion:276 Resp: 93278

Ion Ratio Lower Upper

276 100

277 24.8 18.8 28.2

138 23.2 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

