

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102114\
 Data File : BE088175.D
 Acq On : 22 Oct 2014 10:48
 Operator : TP/JJ
 Sample : F4303-04 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB01-1014

Quant Time: Oct 22 11:27:41 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

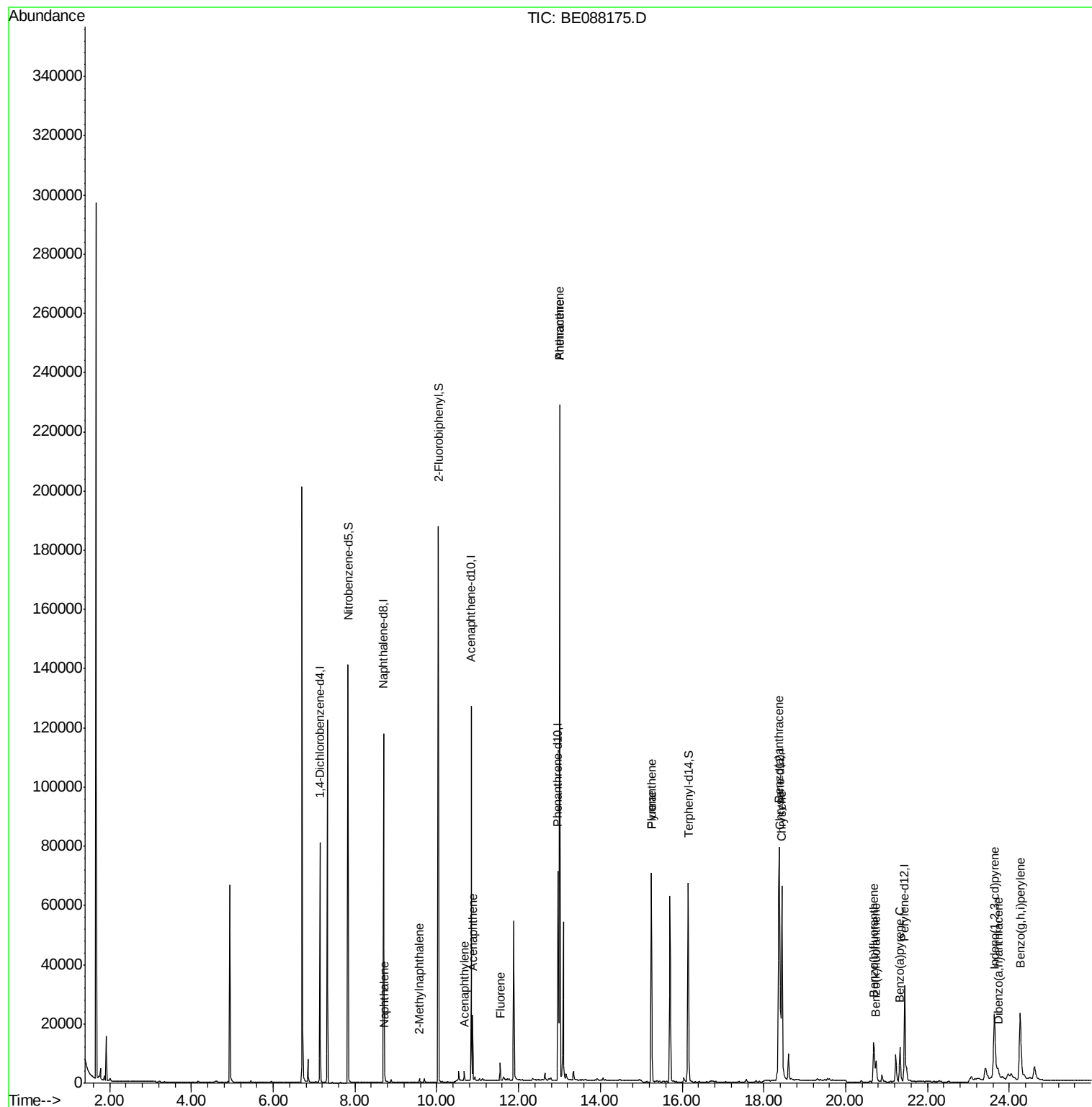
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	22590	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	88262	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	46592	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	71959	5.00	ng	0.00
16) Chrysene-d12	18.38	240	45872	5.00	ng	0.00
22) Perylene-d12	21.44	264	43972	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	58724	9.23	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	112030	8.70	ng	0.00
18) Terphenyl-d14	16.15	244	85022	11.52	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	1882	0.10	ng	95
6) 2-Methylnaphthalene	9.57	142	587	0.05	ng	# 89
9) Acenaphthylene	10.67	152	2637	0.04	ng	# 76
10) Acenaphthene	10.88	154	2896	0.26	ng	95
11) Fluorene	11.55	166	2992	0.26	ng	100
13) Phenanthrene	13.01	178	207364	3.86	ng	95
14) Anthracene	13.01	178	207364	3.69	ng	99
15) Fluoranthene	15.25	202	68744	5.02	ng	99
17) Pyrene	15.25	202	68568	5.50	ng	100
19) Benzo(a)anthracene	18.36	228	89650	2.20	ng	99
20) Chrysene	18.44	228	91588	2.29	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	49761	1.12	ng	# 89
23) Benzo(b)fluoranthene	20.69	252	24511	2.34	ng	97
24) Benzo(k)fluoranthene	20.74	252	10335	0.92	ng	98
25) Benzo(a)pyrene	21.32	252	17411	1.81	ng	98
26) Dibenzo(a,h)anthracene	23.73	278	2430	0.26	ng	# 88
27) Benzo(g,h,i)perylene	24.27	276	49506	1.18	ng	98

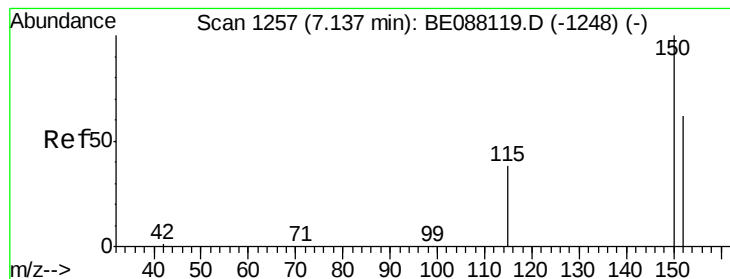
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102114\
Data File : BE088175.D
Acq On : 22 Oct 2014 10:48
Operator : TP/JJ
Sample : F4303-04 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SB01-1014

Quant Time: Oct 22 11:27:41 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

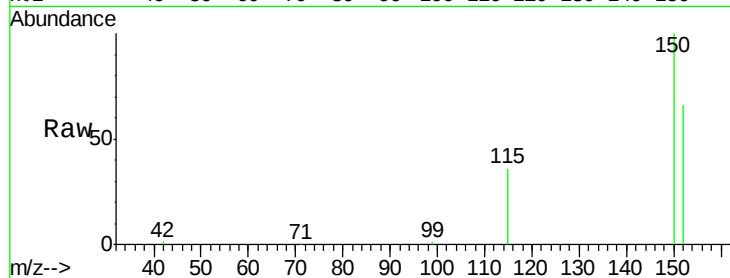
Tgt Ion:152 Resp: 22590

Ion Ratio Lower Upper

152 100

150 152.2 129.2 193.8

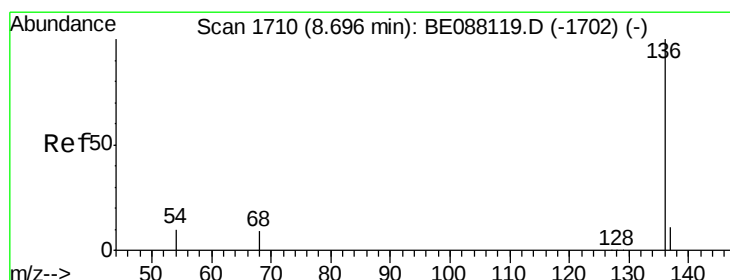
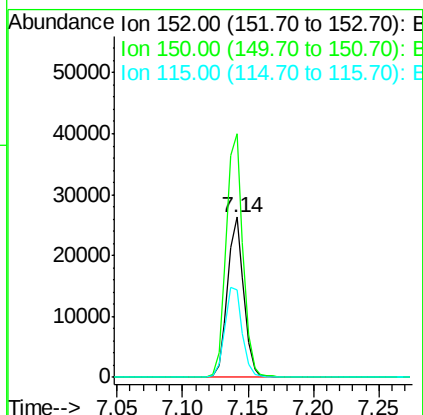
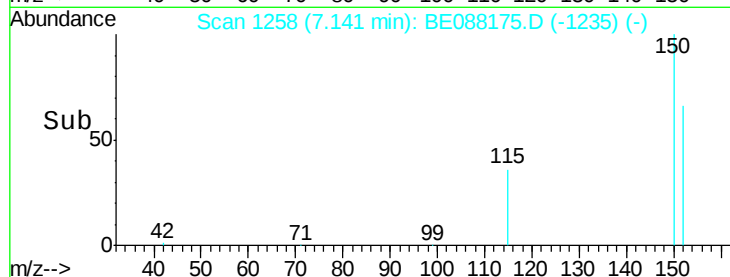
115 54.6 49.3 73.9



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



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

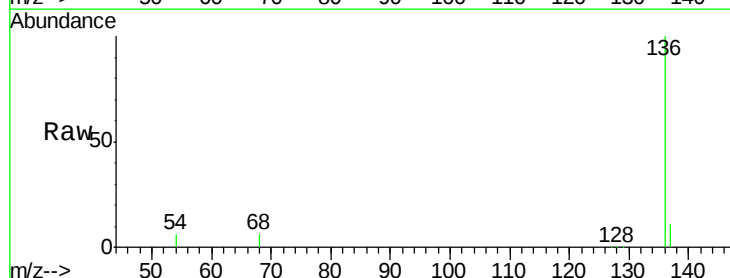
Tgt Ion:136 Resp: 88262

Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

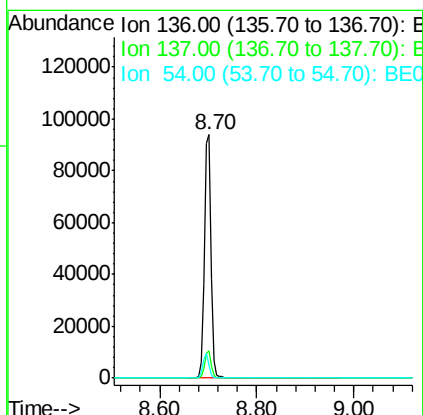
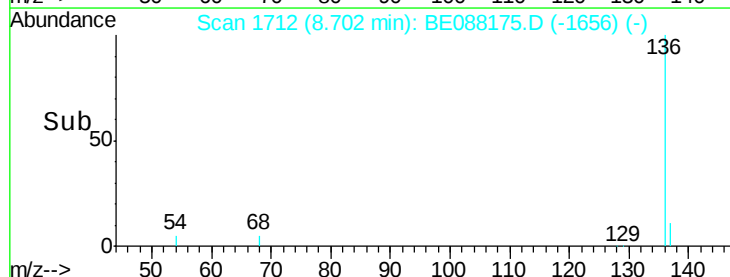
54 5.5 7.7 11.5#

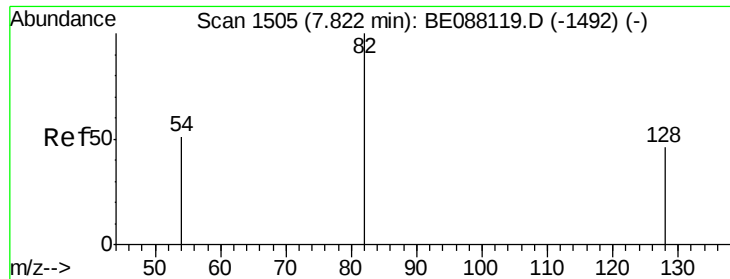


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 9.23 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

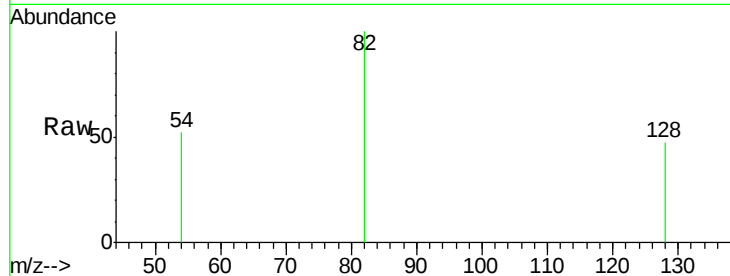
Tgt Ion: 82 Resp: 58724

Ion Ratio Lower Upper

82 100

128 46.6 37.1 55.7

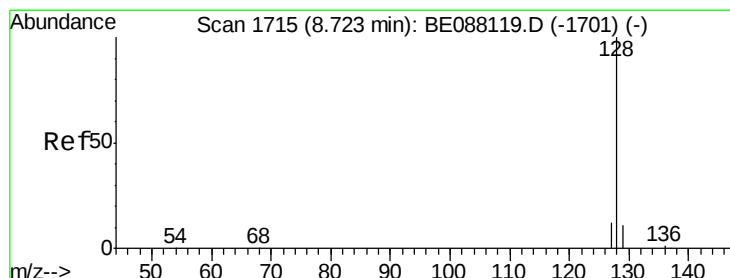
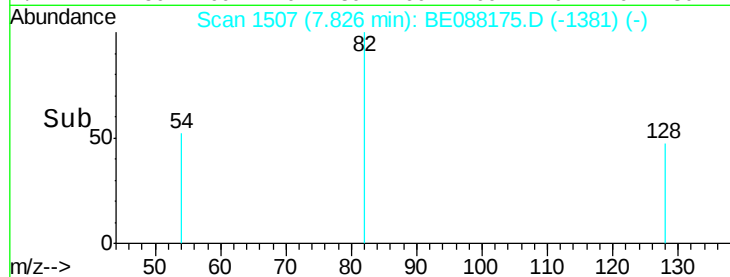
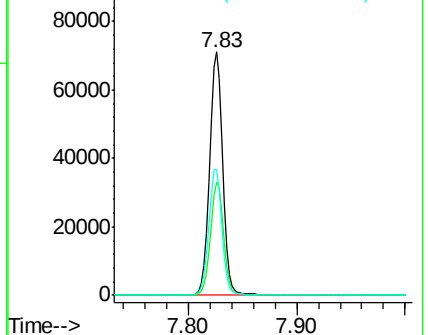
54 52.0 41.1 61.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#5

Naphthalene

Concen: 0.10 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

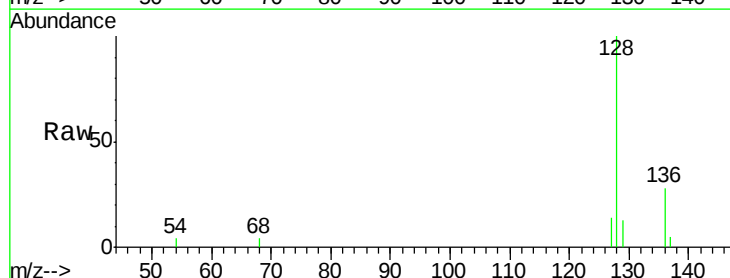
Tgt Ion: 128 Resp: 1882

Ion Ratio Lower Upper

128 100

129 12.8 8.9 13.3

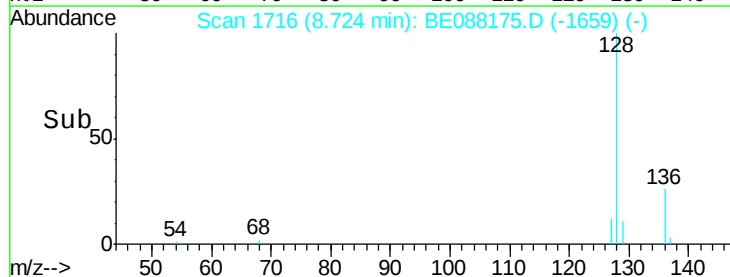
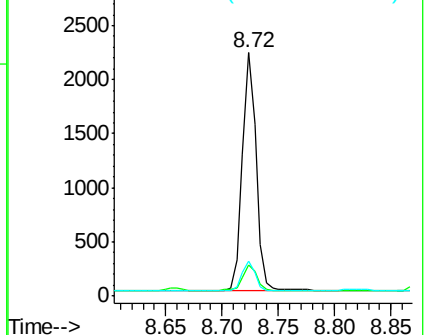
127 14.4 9.7 14.5

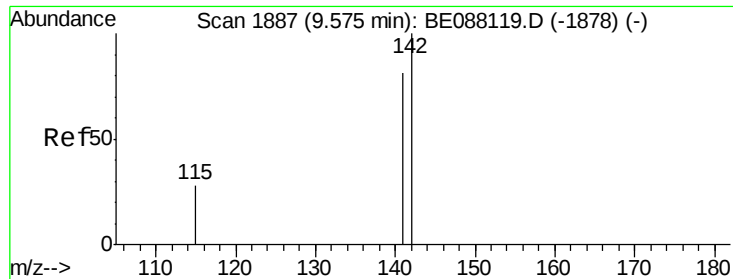


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#6

2-Methylnaphthalene

Concen: 0.05 ng

RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

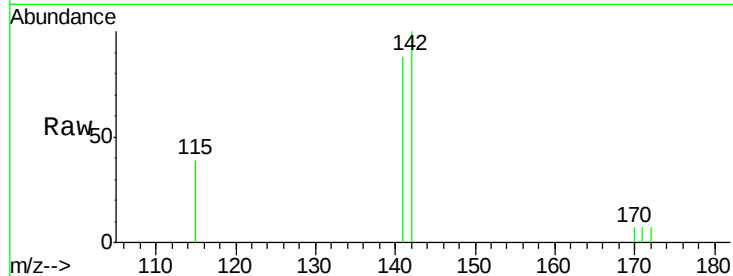
Tgt Ion:142 Resp: 587

Ion Ratio Lower Upper

142 100

141 87.8 64.6 97.0

115 39.2 22.6 34.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

9.57

600

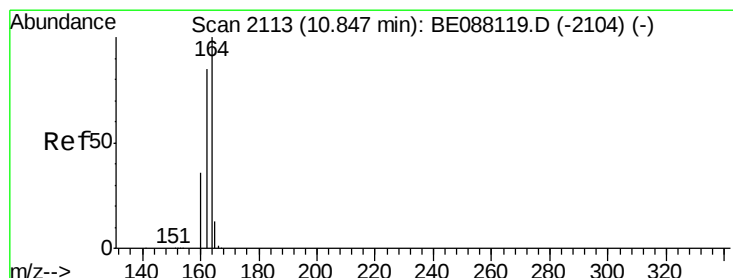
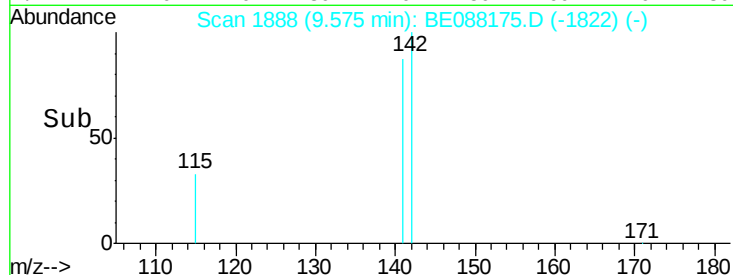
400

200

0

9.55 9.60 9.65

Time-->



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

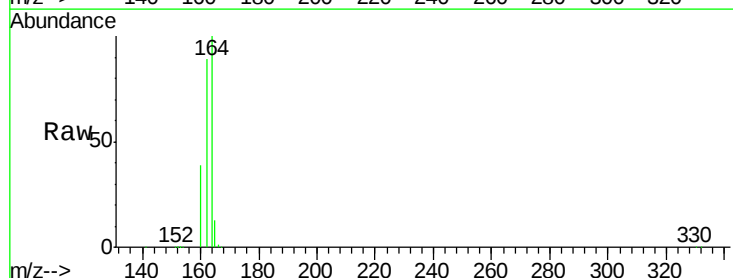
Tgt Ion:164 Resp: 46592

Ion Ratio Lower Upper

164 100

162 89.2 68.3 102.5

160 39.4 28.7 43.1



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

10.85

60000

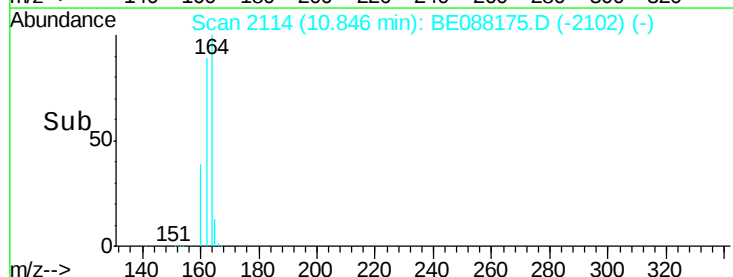
40000

20000

0

10.80 11.00

Time-->





#8

2-Fluorobiphenyl

Concen: 8.70 ng

RT: 10.04 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

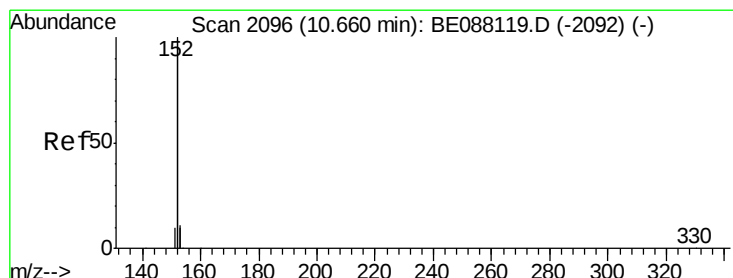
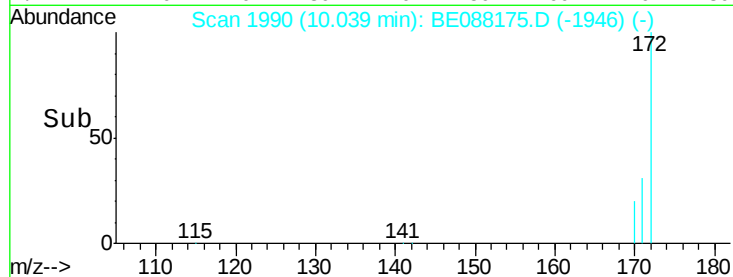
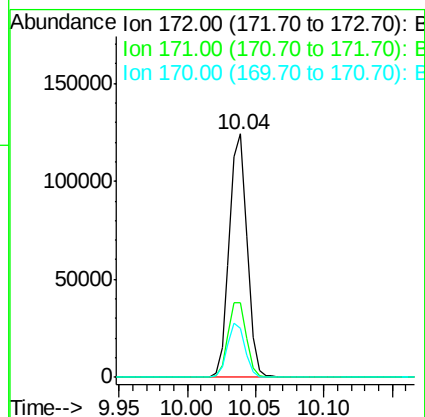
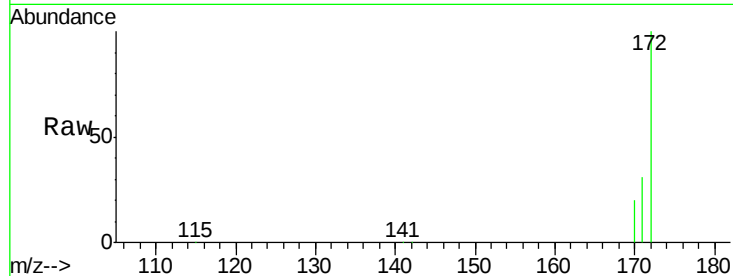
Tgt Ion:172 Resp: 112030

Ion Ratio Lower Upper

172 100

171 30.8 25.4 38.2

170 19.9 17.4 26.2



#9

Acenaphthylene

Concen: 0.04 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

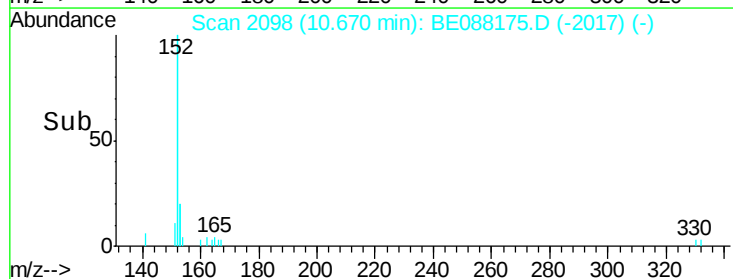
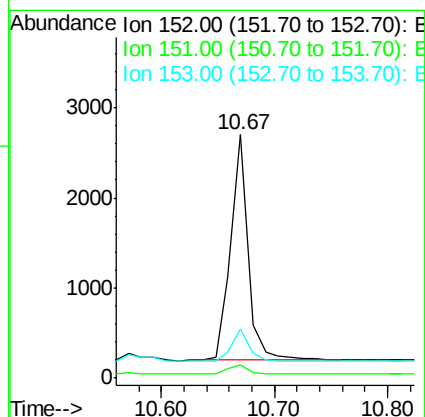
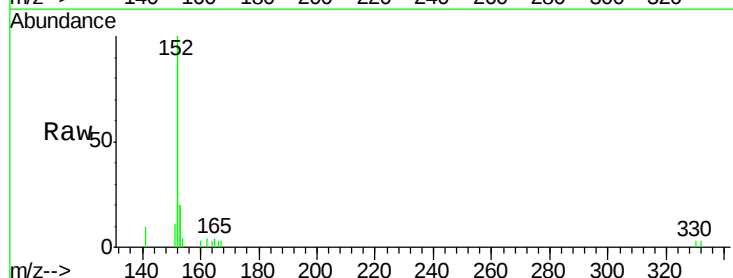
Tgt Ion:152 Resp: 2637

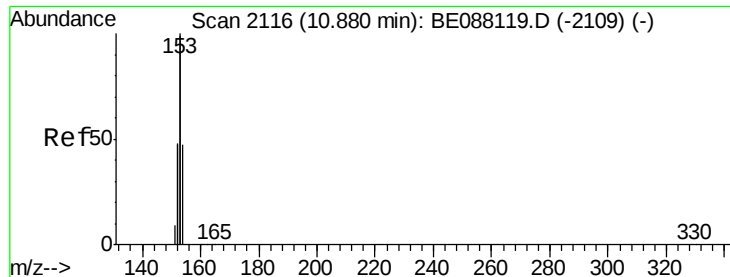
Ion Ratio Lower Upper

152 100

151 4.9 3.7 5.5

153 0.0 10.4 15.6#





#10

Acenaphthene

Concen: 0.26 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

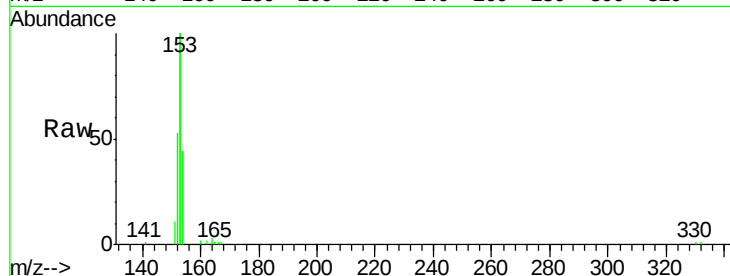
Tgt Ion:154 Resp: 2896

Ion Ratio Lower Upper

154 100

153 395.1 327.8 491.6

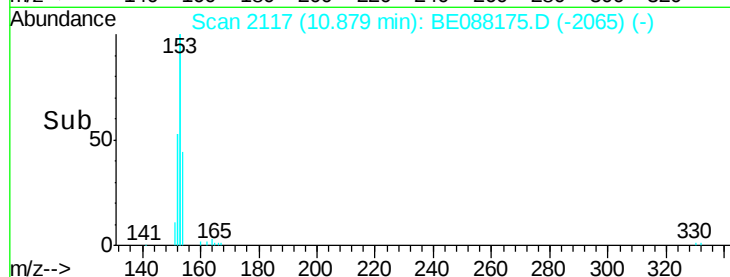
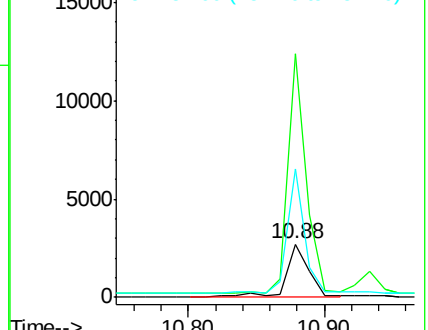
152 199.3 157.6 236.4



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



#11

Fluorene

Concen: 0.26 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

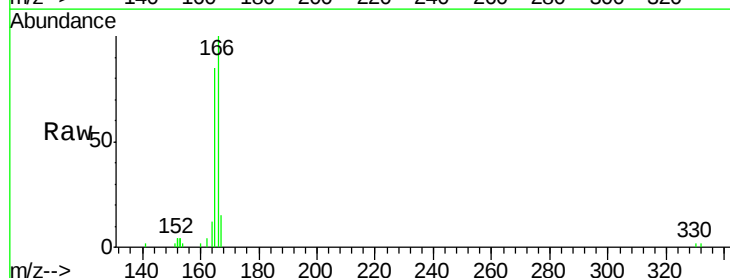
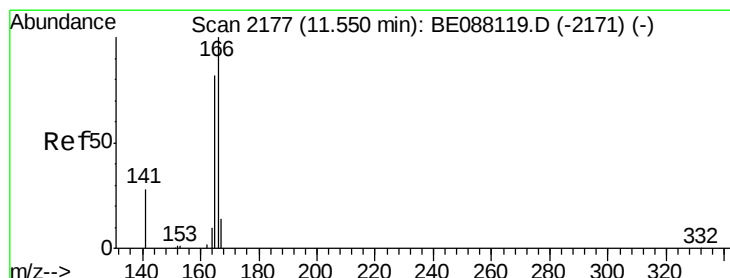
Tgt Ion:166 Resp: 2992

Ion Ratio Lower Upper

166 100

165 89.5 71.4 107.2

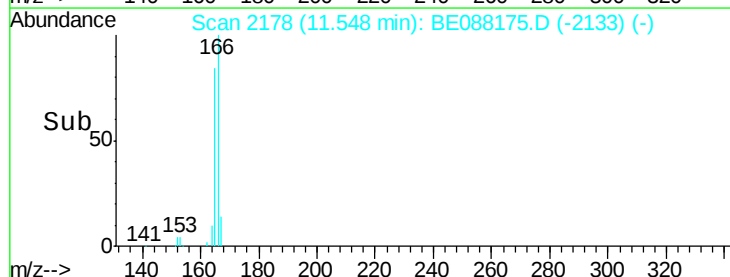
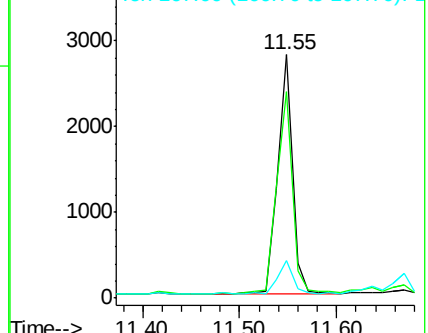
167 14.3 10.6 16.0

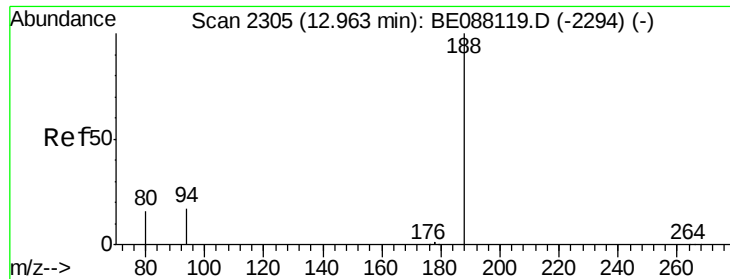


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

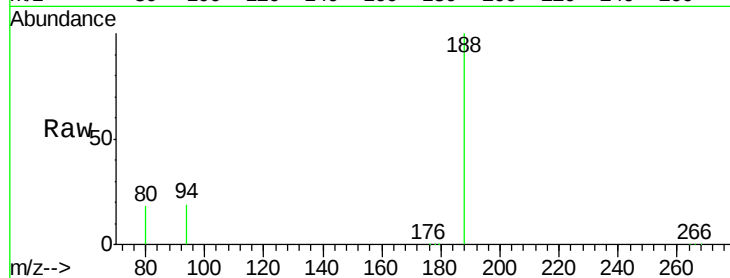




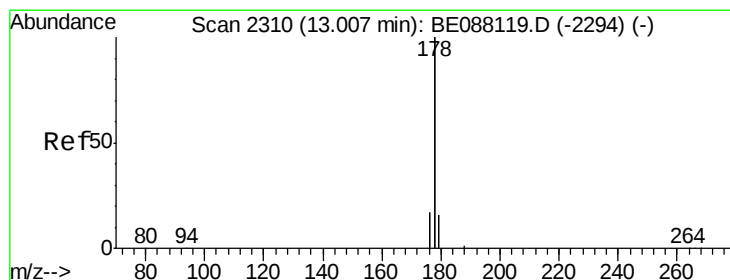
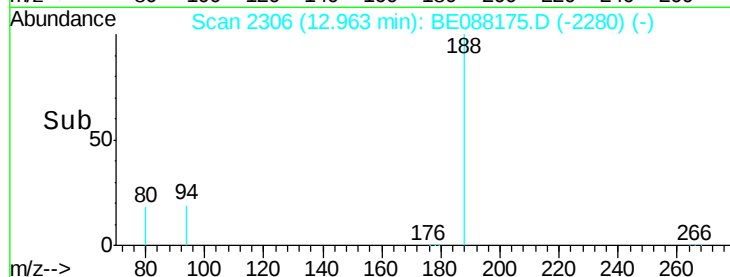
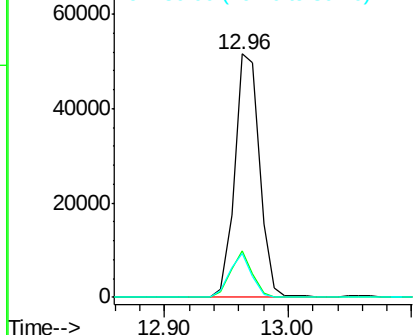
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Instrument :
BNA_E
ClientSampleId :
YS19-SB01-1014

Tgt Ion:188 Resp: 71959
Ion Ratio Lower Upper
188 100
94 19.1 13.9 20.9
80 17.9 12.9 19.3

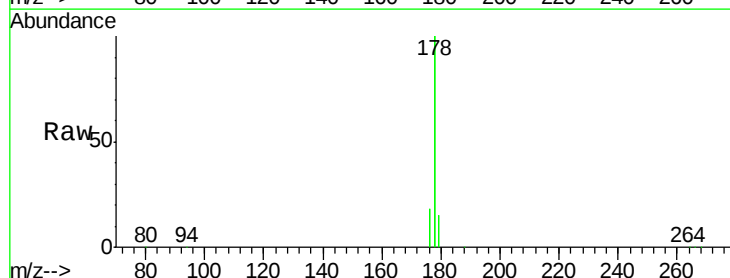


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

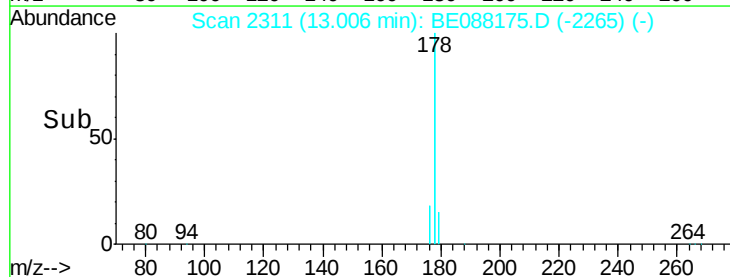
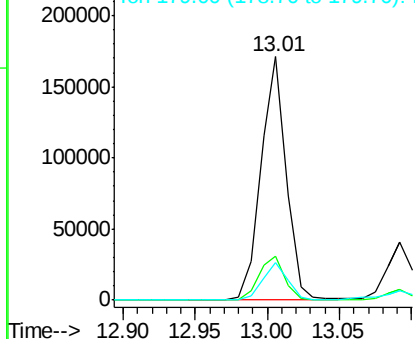


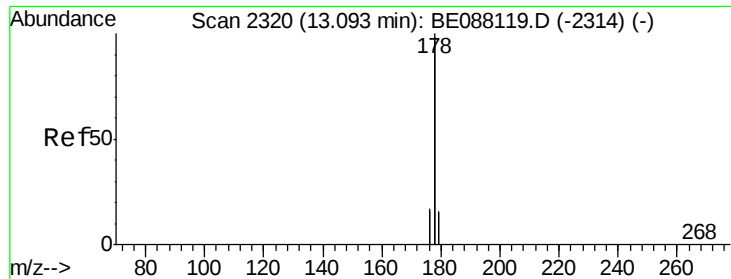
#13
Phenanthrene
Concen: 3.86 ng
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088175.D
Acq: 22 Oct 2014 10:48

Tgt Ion:178 Resp: 207364
Ion Ratio Lower Upper
178 100
176 18.5 12.5 18.7
179 15.3 13.5 20.3



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





#14

Anthracene

Concen: 3.69 ng

RT: 13.01 min Scan# 2311

Delta R.T. -0.09 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

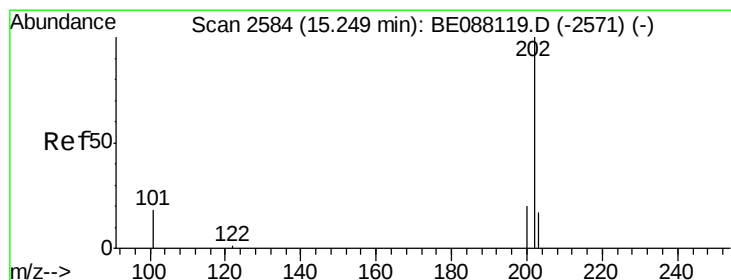
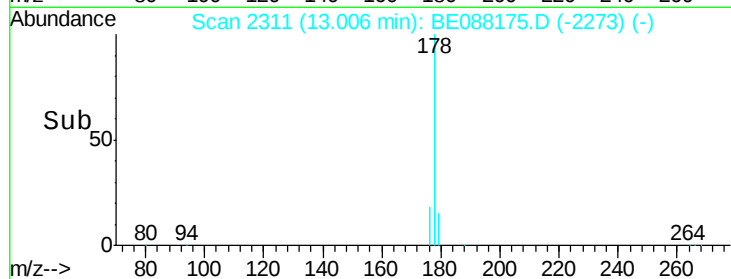
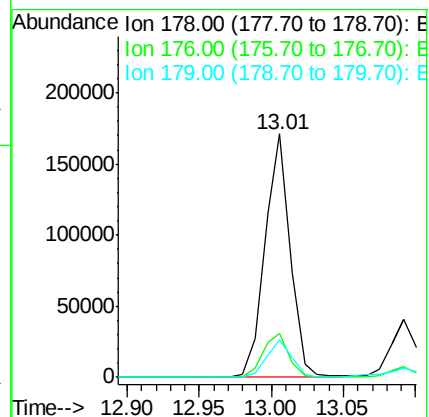
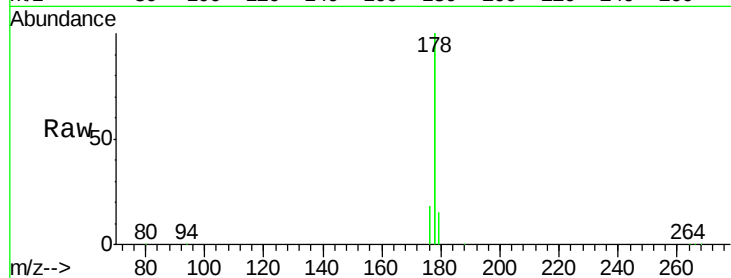
Tgt Ion:178 Resp: 207364

Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

179 15.3 12.5 18.7



#15

Fluoranthene

Concen: 5.02 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

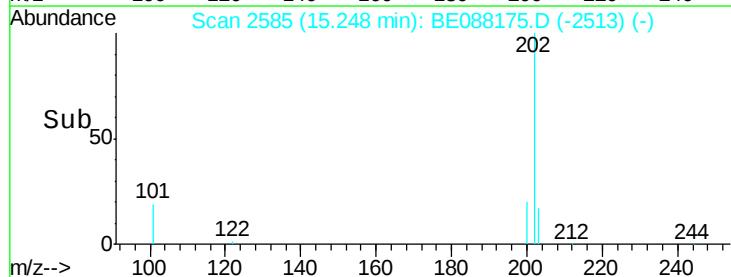
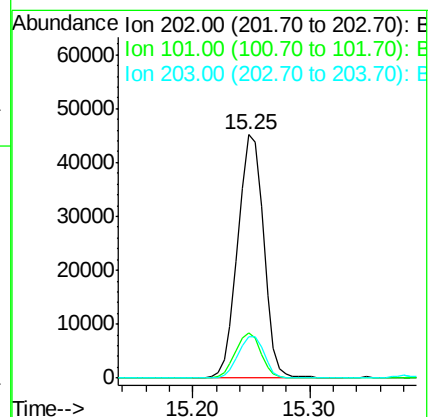
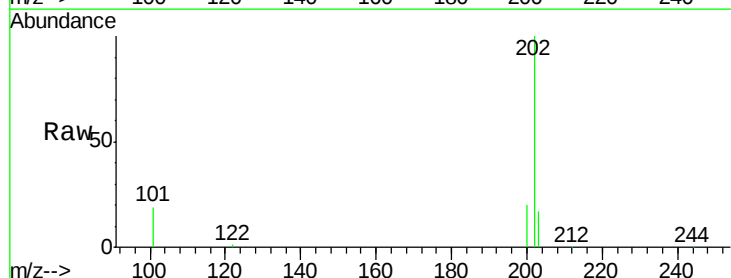
Tgt Ion:202 Resp: 68744

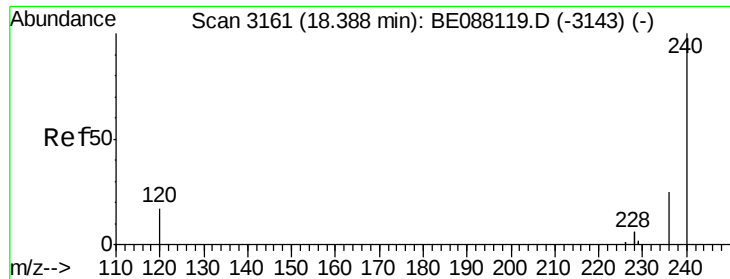
Ion Ratio Lower Upper

202 100

101 18.3 14.8 22.2

203 17.3 13.5 20.3





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

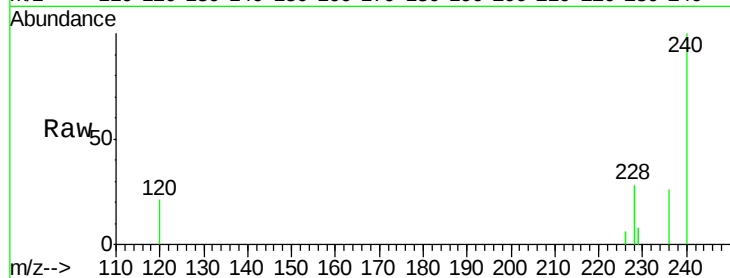
Tgt Ion:240 Resp: 45872

Ion Ratio Lower Upper

240 100

120 21.1 13.9 20.9#

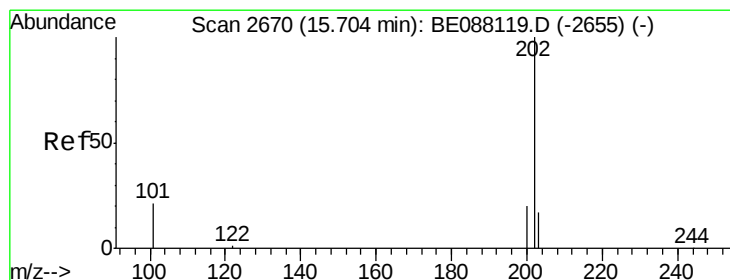
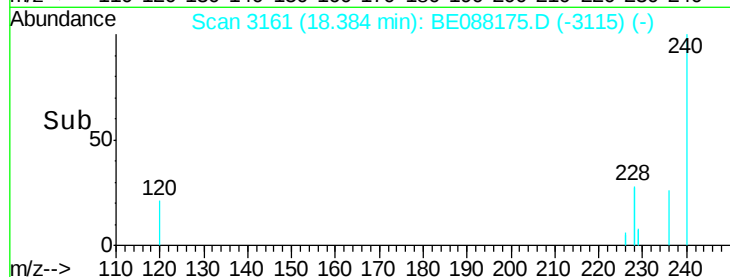
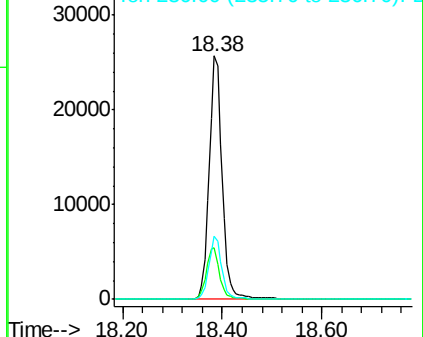
236 25.7 19.9 29.9



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



#17

Pyrene

Concen: 5.50 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.46 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

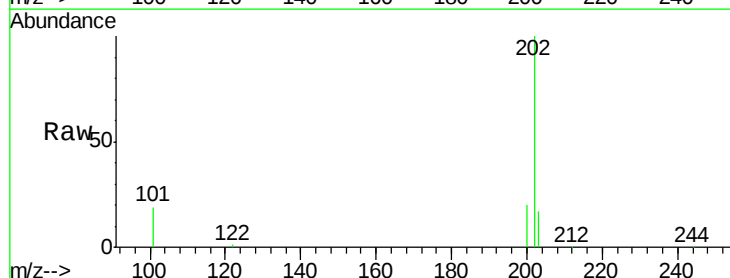
Tgt Ion:202 Resp: 68568

Ion Ratio Lower Upper

202 100

200 19.9 16.1 24.1

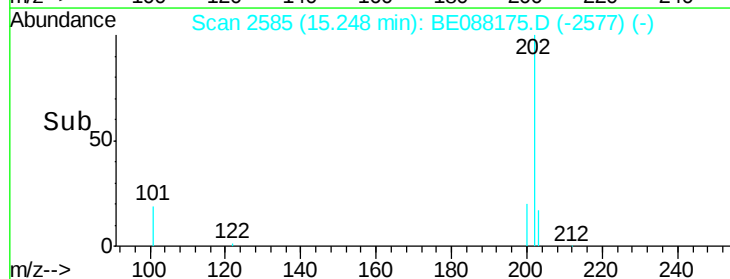
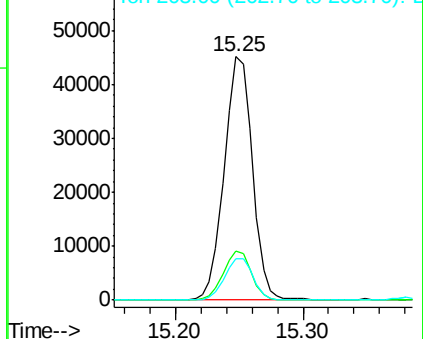
203 17.3 13.9 20.9

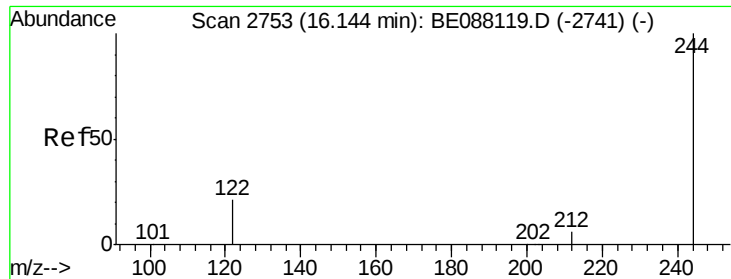


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 11.52 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

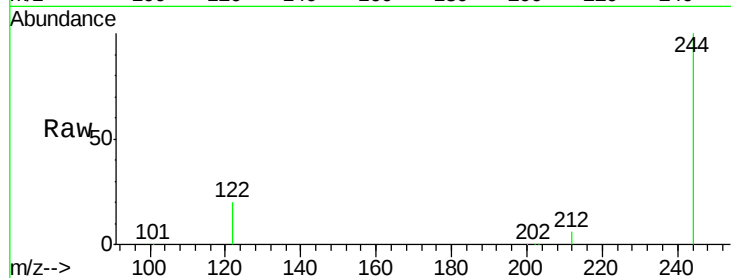
Tgt Ion:244 Resp: 85022

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

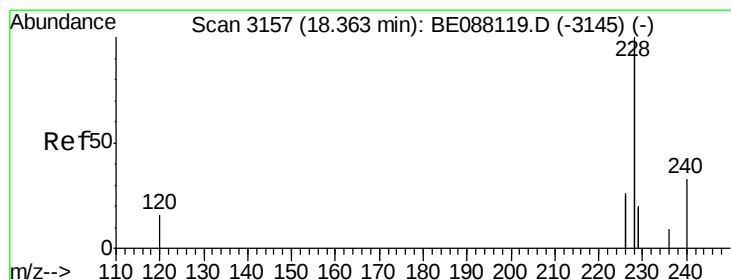
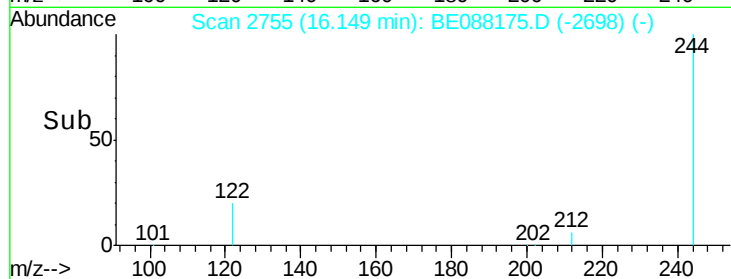
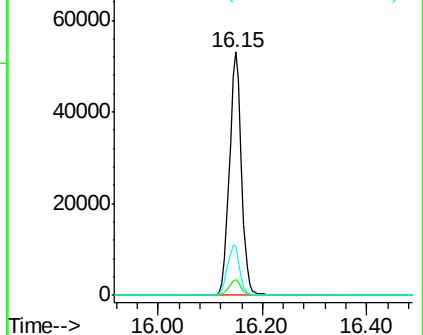
122 19.9 17.5 26.3



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



#19

Benzo(a)anthracene

Concen: 2.20 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

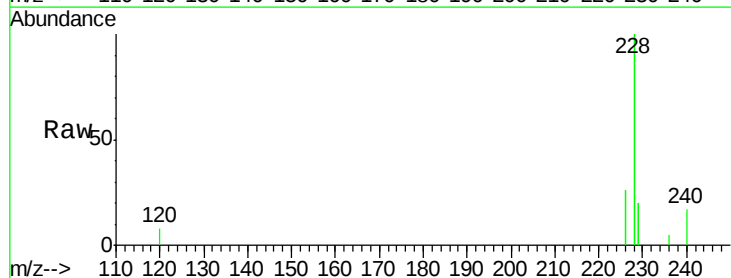
Tgt Ion:228 Resp: 89650

Ion Ratio Lower Upper

228 100

226 26.1 20.8 31.2

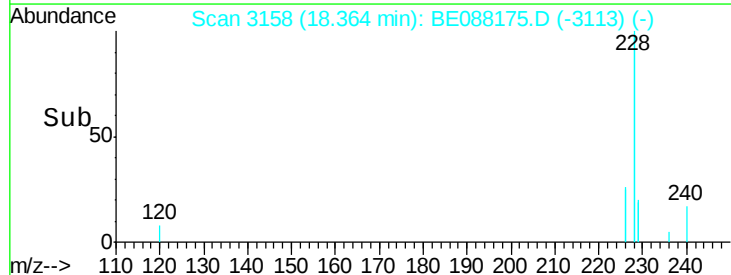
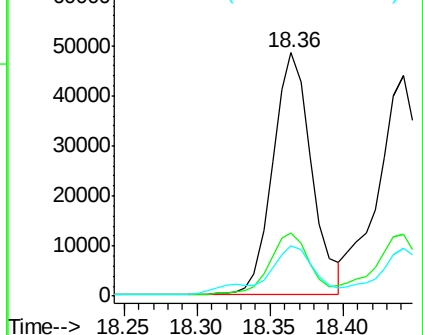
229 20.4 15.6 23.4

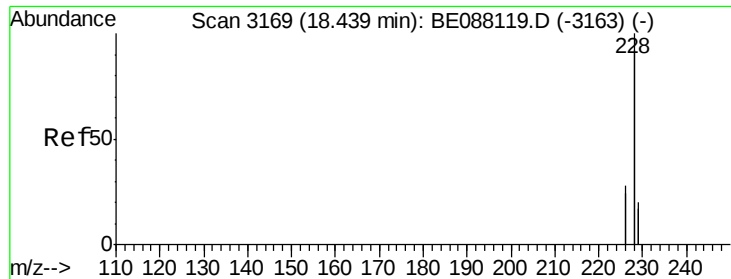


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 2.29 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

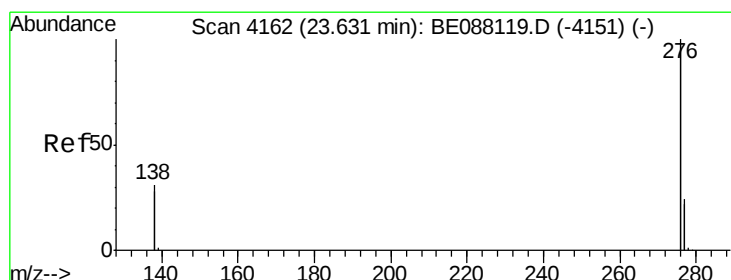
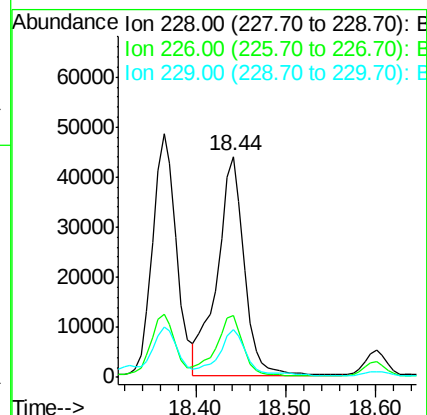
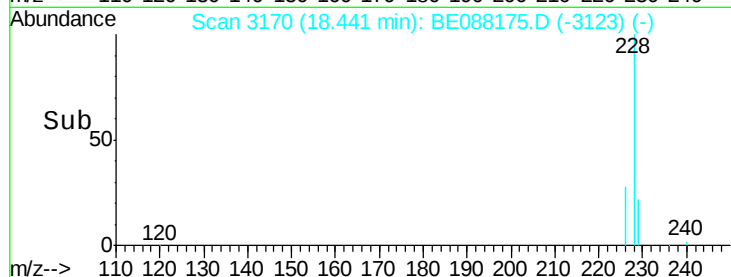
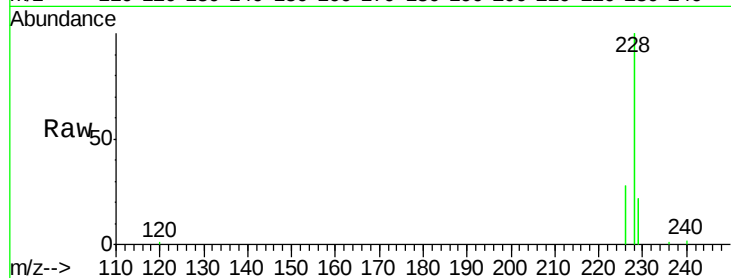
Tgt Ion:228 Resp: 91588

Ion Ratio Lower Upper

228 100

226 27.9 22.7 34.1

229 21.8 15.8 23.6



#21

Indeno(1,2,3-cd)pyrene

Concen: 1.12 ng

RT: 23.64 min Scan# 4164

Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

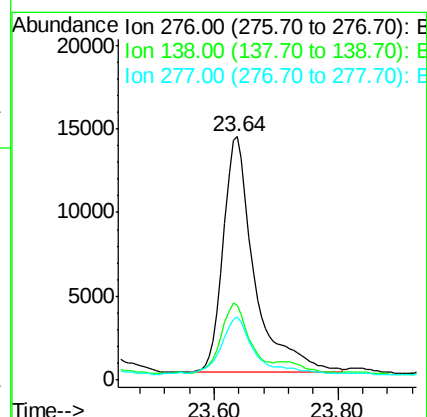
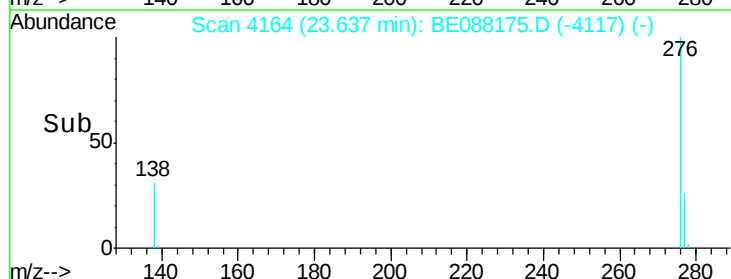
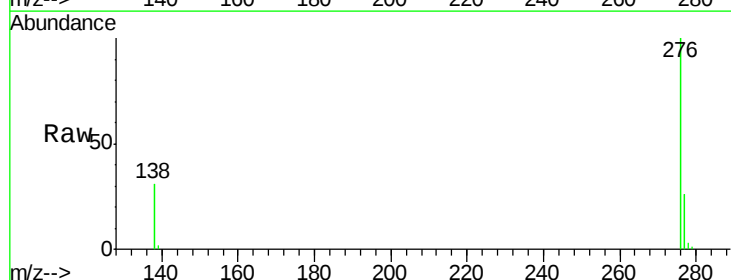
Tgt Ion:276 Resp: 49761

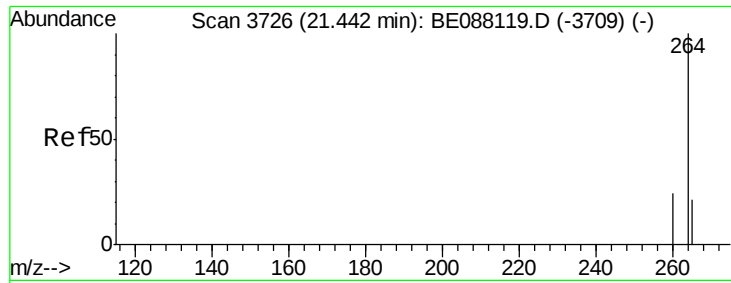
Ion Ratio Lower Upper

276 100

138 26.7 18.5 27.7

277 25.1 14.6 21.8#





#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

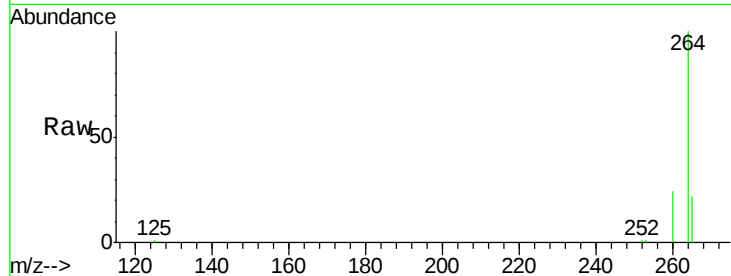
Tgt Ion:264 Resp: 43972

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

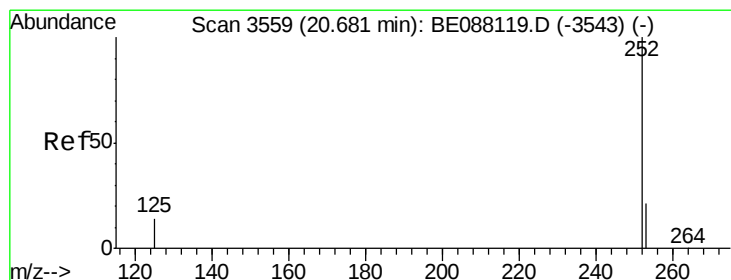
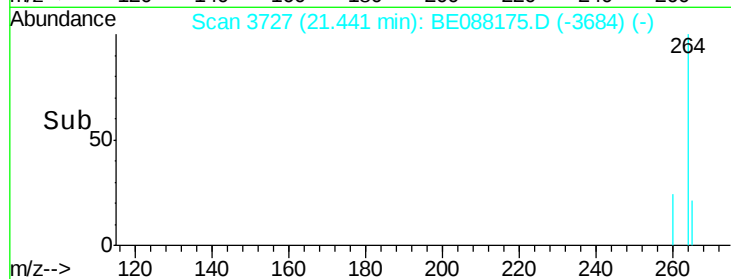
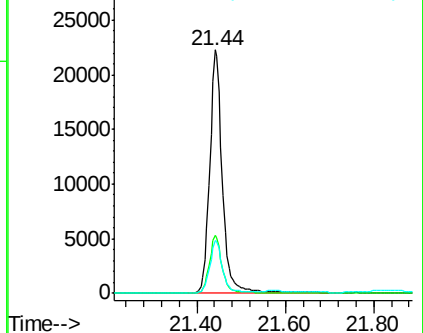
265 21.6 17.2 25.8



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



#23

Benzo(b)fluoranthene

Concen: 2.34 ng

RT: 20.69 min Scan# 3561

Delta R.T. 0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

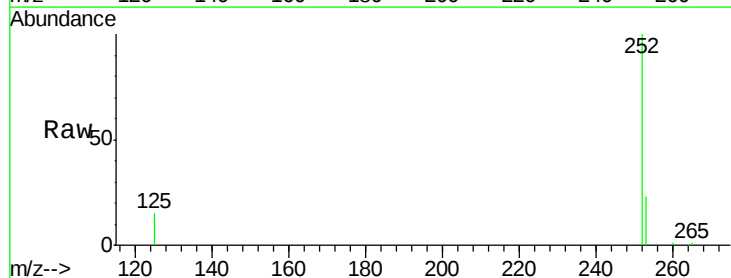
Tgt Ion:252 Resp: 24511

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

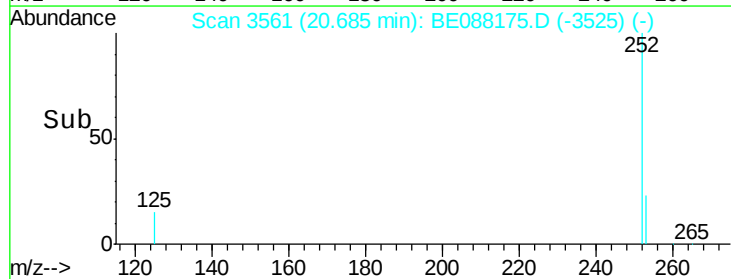
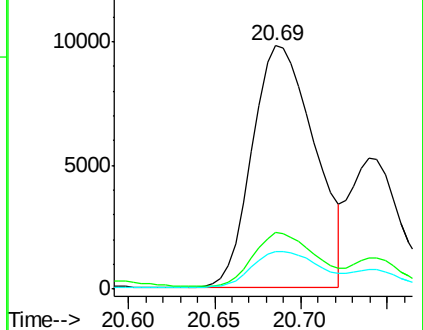
125 15.5 11.8 17.8

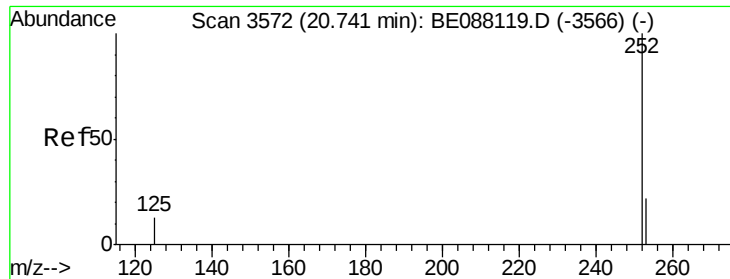


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.92 ng

RT: 20.74 min Scan# 3573

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

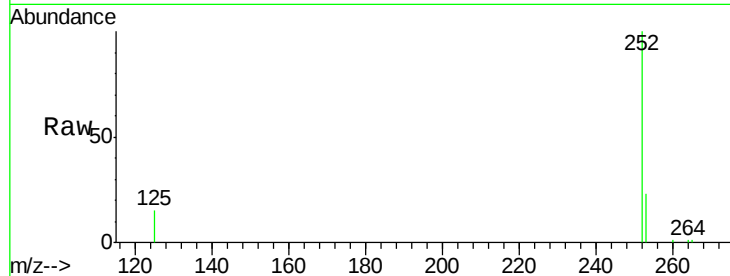
Tgt Ion:252 Resp: 10335

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

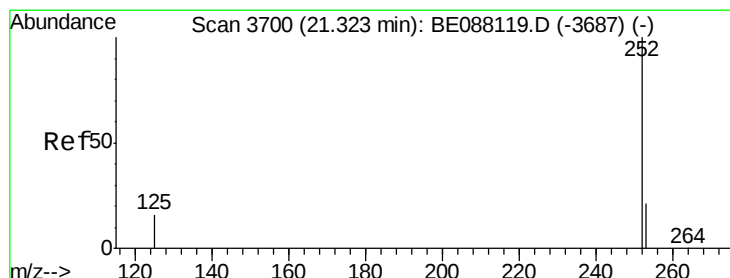
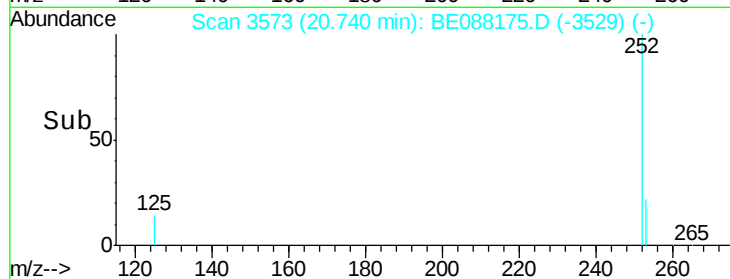
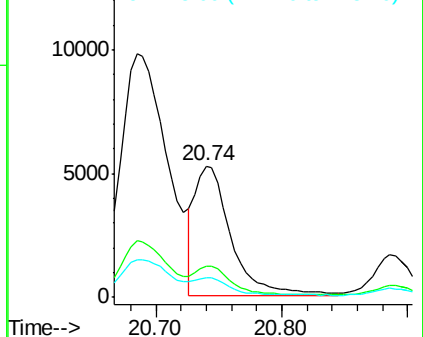
125 15.2 11.5 17.3



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



#25

Benzo(a)pyrene

Concen: 1.81 ng

RT: 21.32 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

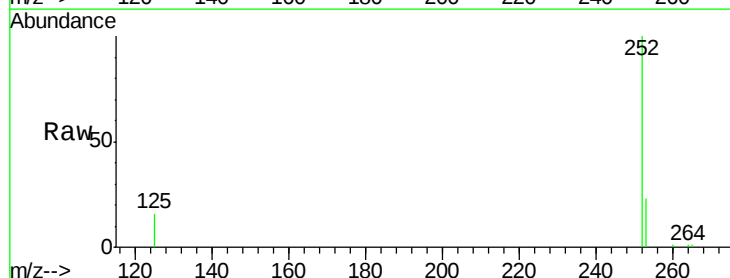
Tgt Ion:252 Resp: 17411

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

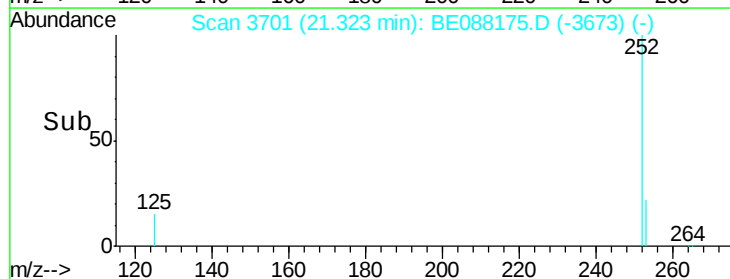
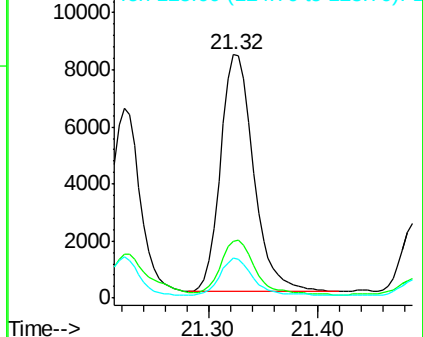
125 16.4 13.0 19.6

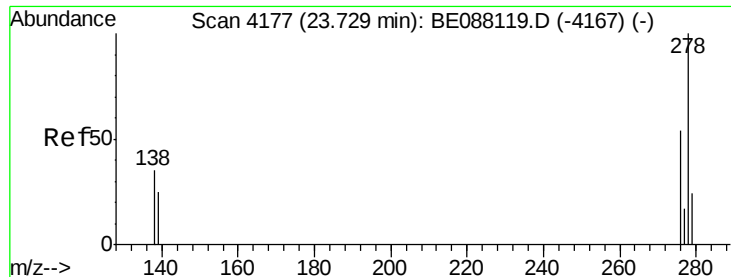


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Dibenzo(a,h)anthracene

Concen: 0.26 ng

RT: 23.73 min Scan# 4178

Delta R.T. -0.00 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

Instrument :

BNA_E

ClientSampleId :

YS19-SB01-1014

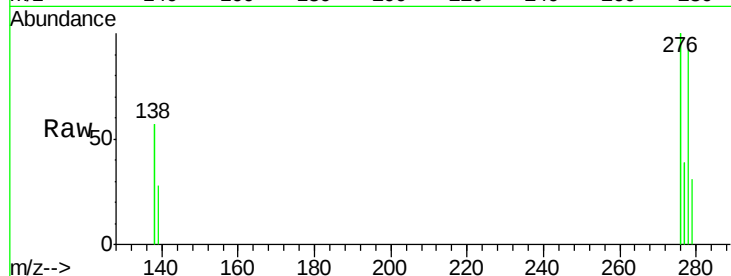
Tgt Ion: 278 Resp: 2430

Ion Ratio Lower Upper

278 100

139 30.0 20.9 31.3

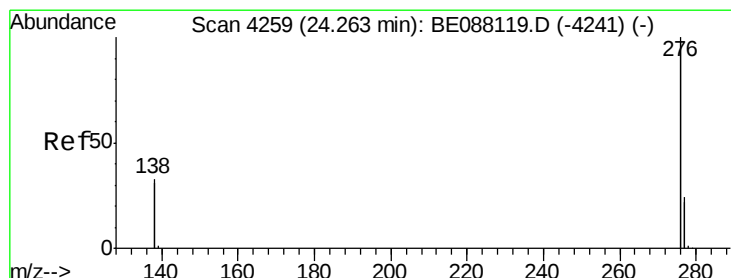
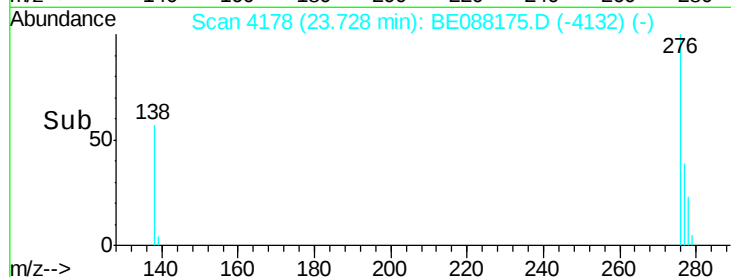
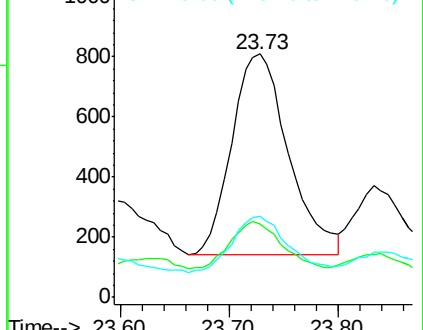
279 33.5 19.8 29.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#27

Benzo(g,h,i)perylene

Concen: 1.18 ng

RT: 24.27 min Scan# 4261

Delta R.T. 0.01 min

Lab File: BE088175.D

Acq: 22 Oct 2014 10:48

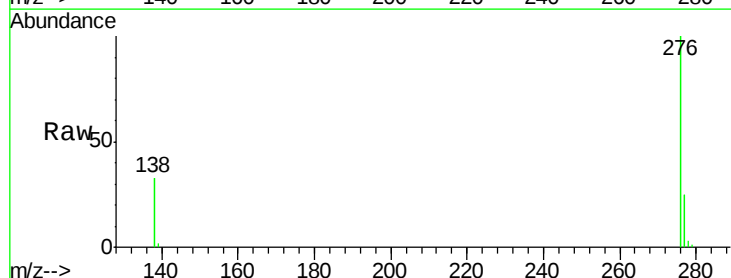
Tgt Ion: 276 Resp: 49506

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 32.7 26.6 40.0



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

