

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088157.D
 Acq On : 21 Oct 2014 23:34
 Operator : TP/JJ
 Sample : F4351-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW14-1014

Quant Time: Oct 22 04:40:00 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

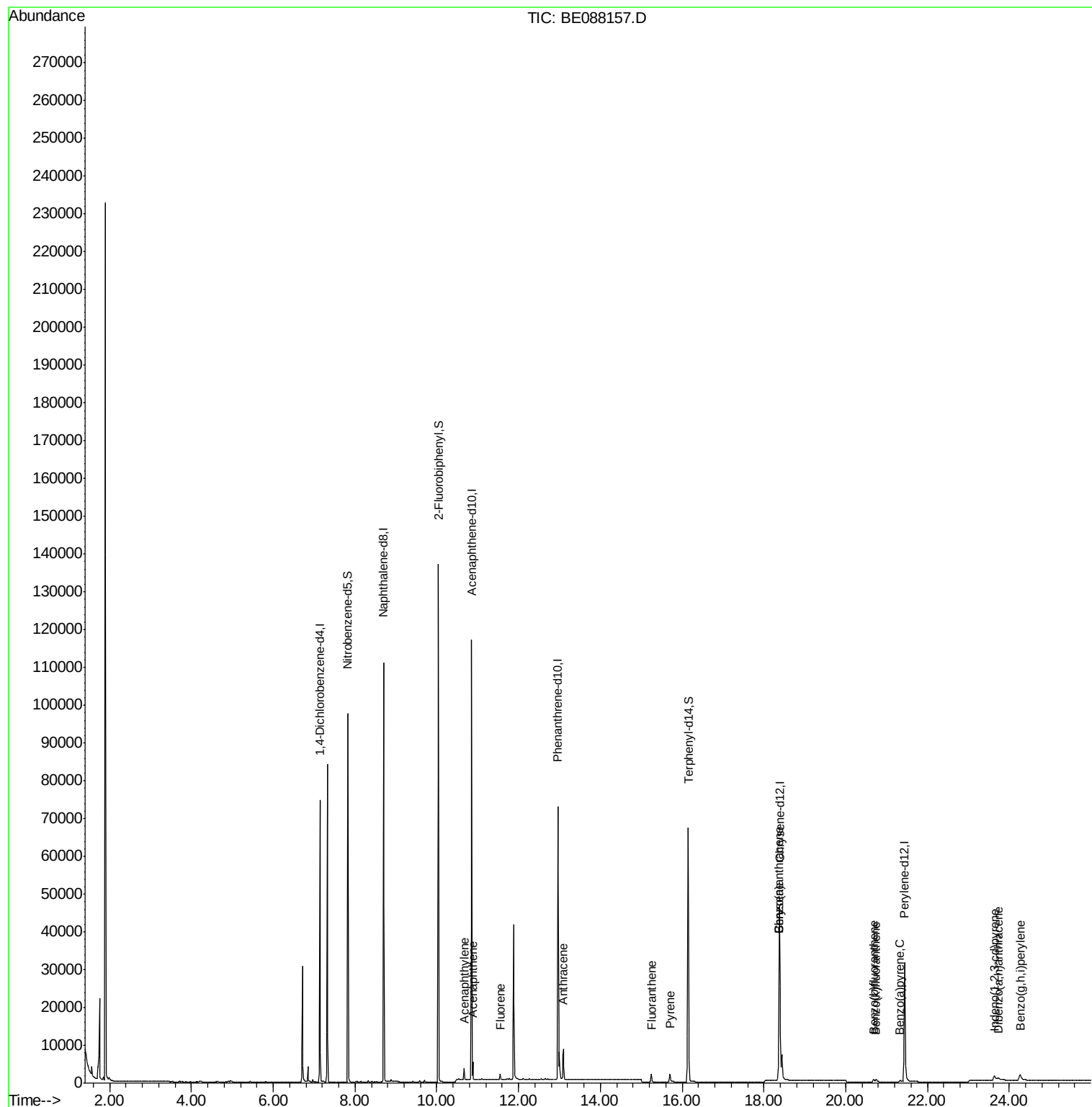
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	20708	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	81910	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	44672	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	85773	5.00	ng	0.00
16) Chrysene-d12	18.38	240	53851	5.00	ng	0.00
22) Perylene-d12	21.44	264	42943	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	40871	6.92	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	77992	6.32	ng	0.00
18) Terphenyl-d14	16.15	244	84670	9.77	ng	0.00
Target Compounds						Qvalue
9) Acenaphthylene	10.67	152	3298	0.05	ng	99
10) Acenaphthene	10.88	154	674	0.06	ng	# 69
11) Fluorene	11.55	166	796	0.07	ng	99
13) Phenanthrene	13.00	178	11042	Below Cal		98
14) Anthracene	13.09	178	8372	0.13	ng	96
15) Fluoranthene	15.25	202	2152	0.13	ng	99
17) Pyrene	15.70	202	2234	0.15	ng	99
19) Benzo(a)anthracene	18.36	228	7215	0.15	ng	93
20) Chrysene	18.36	228	7215	0.15	ng	96
21) Indeno(1,2,3-cd)pyrene	23.63	276	2725	0.05	ng	# 87
23) Benzo(b)fluoranthene	20.68	252	1184	0.12	ng	# 83
24) Benzo(k)fluoranthene	20.74	252	1313	0.12	ng	# 81
25) Benzo(a)pyrene	21.32	252	910	0.10	ng	# 77
26) Dibenzo(a,h)anthracene	23.74	278	736	0.08	ng	# 55
27) Benzo(g,h,i)perylene	24.26	276	4038	0.10	ng	# 73

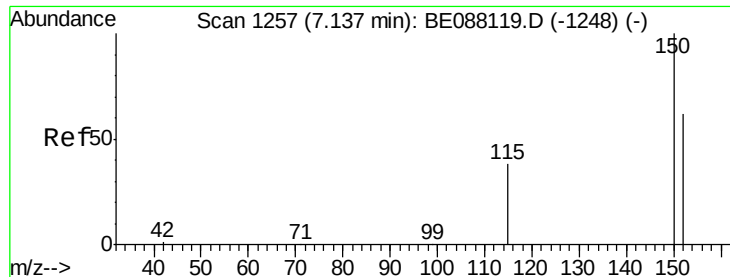
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088157.D
Acq On : 21 Oct 2014 23:34
Operator : TP/JJ
Sample : F4351-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

Quant Time: Oct 22 04:40:00 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: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

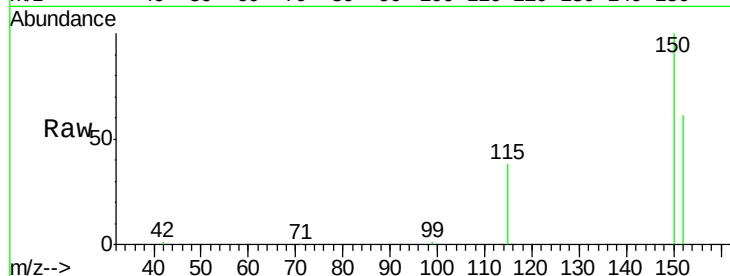
Tgt Ion:152 Resp: 20708

Ion Ratio Lower Upper

152 100

150 162.8 129.2 193.8

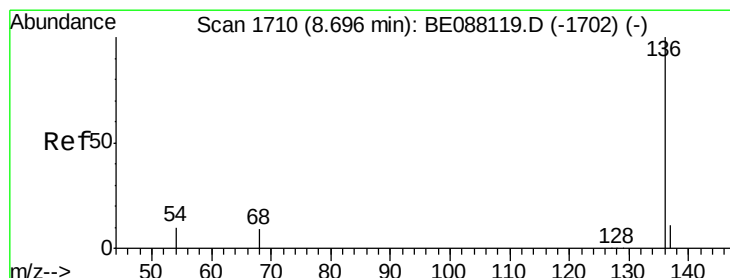
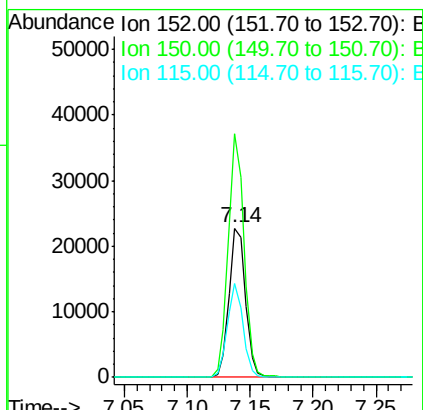
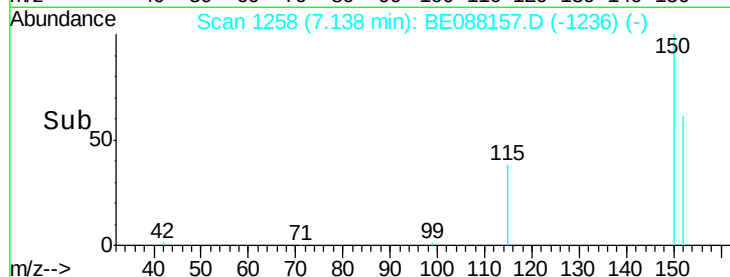
115 62.6 49.3 73.9



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: BE088157.D

Acq: 21 Oct 2014 23:34

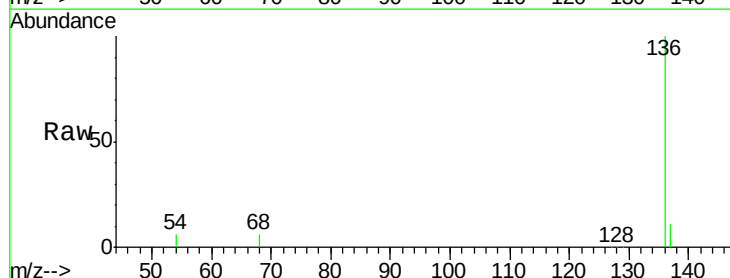
Tgt Ion:136 Resp: 81910

Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

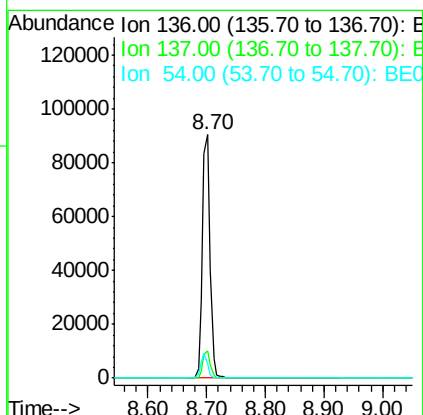
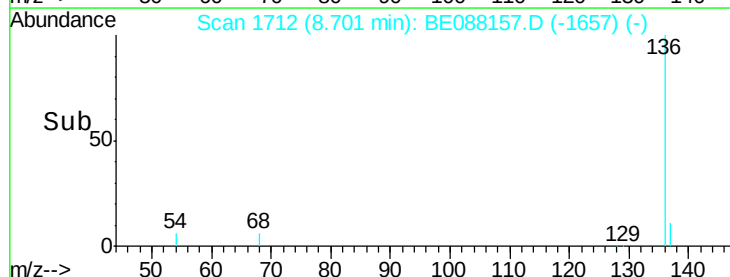
54 5.8 7.7 11.5#

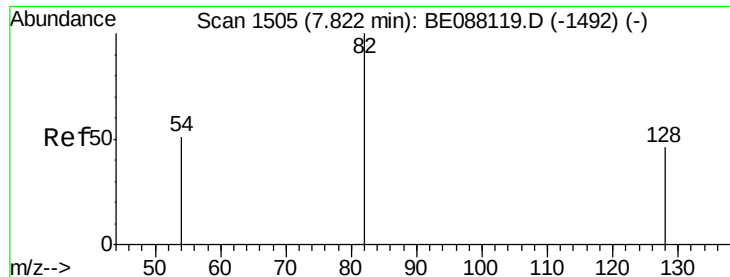


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 6.92 ng

RT: 7.82 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

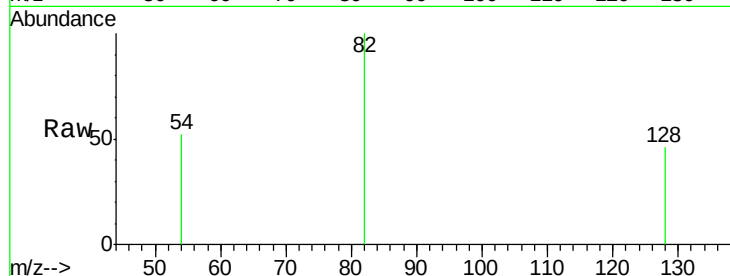
Tgt Ion: 82 Resp: 40871

Ion Ratio Lower Upper

82 100

128 46.4 37.1 55.7

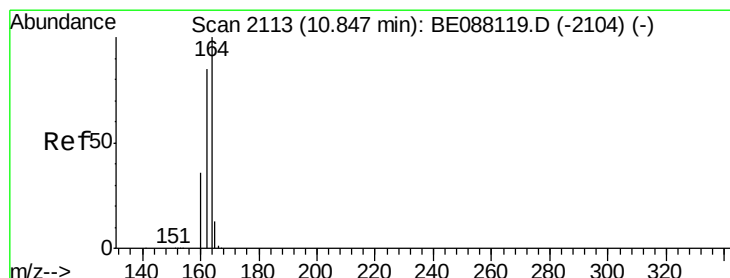
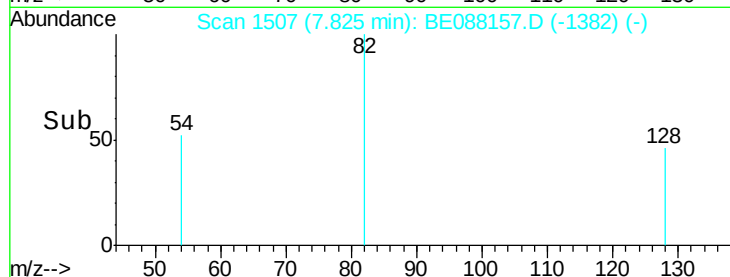
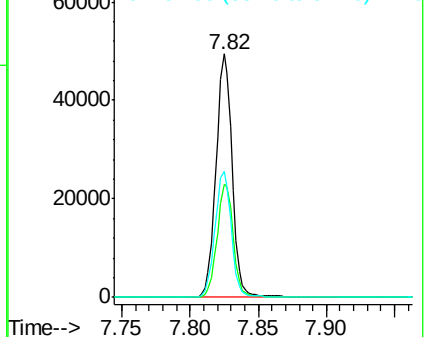
54 51.6 41.1 61.7



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



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

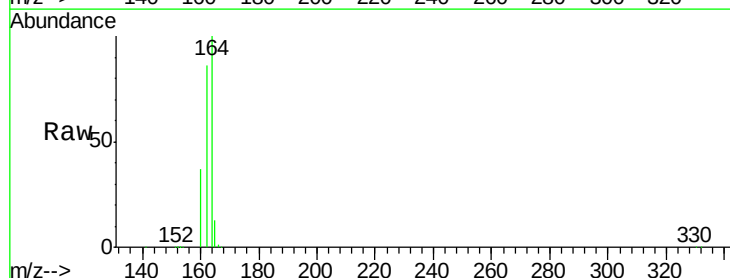
Tgt Ion: 164 Resp: 44672

Ion Ratio Lower Upper

164 100

162 86.4 68.3 102.5

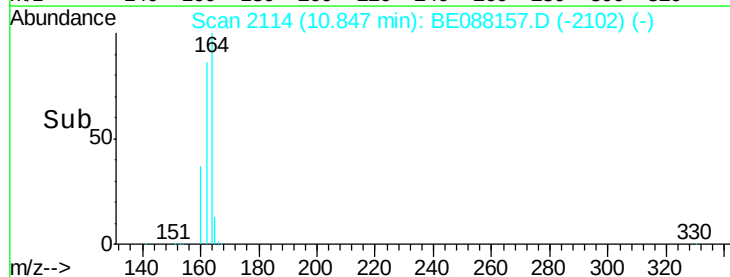
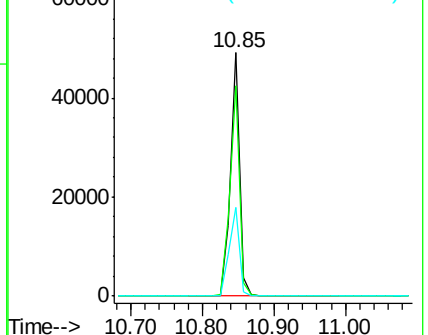
160 36.7 28.7 43.1

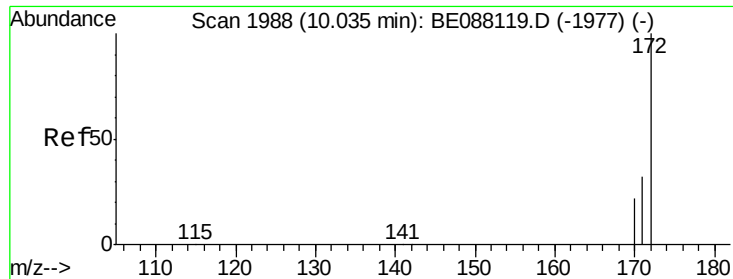


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#8

2-Fluorobiphenyl

Concen: 6.32 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

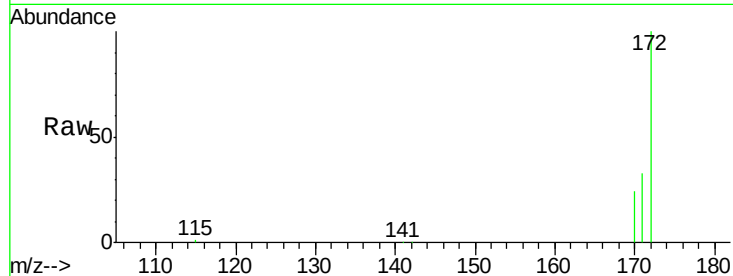
Tgt Ion:172 Resp: 77992

Ion Ratio Lower Upper

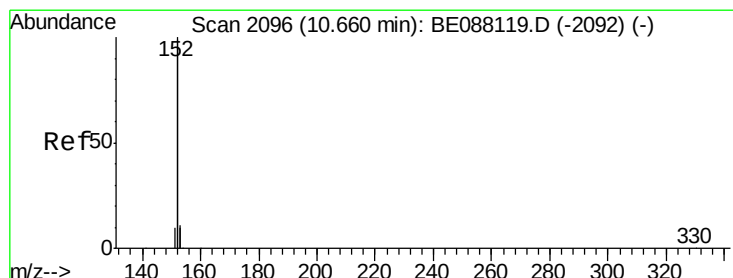
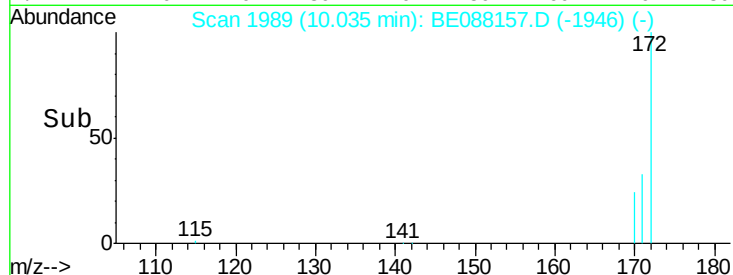
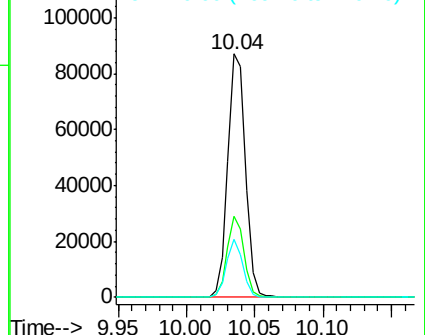
172 100

171 33.5 25.4 38.2

170 23.6 17.4 26.2



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



#9

Acenaphthylene

Concen: 0.05 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

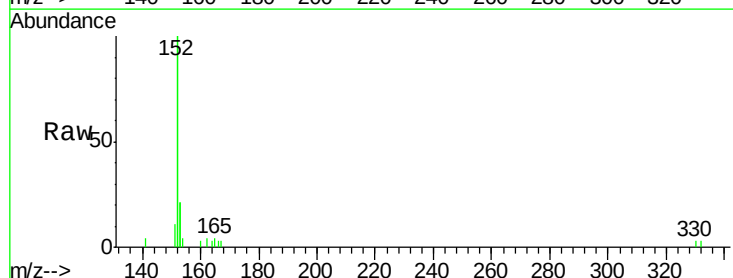
Tgt Ion:152 Resp: 3298

Ion Ratio Lower Upper

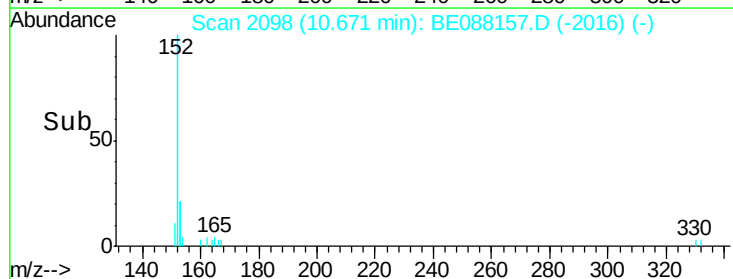
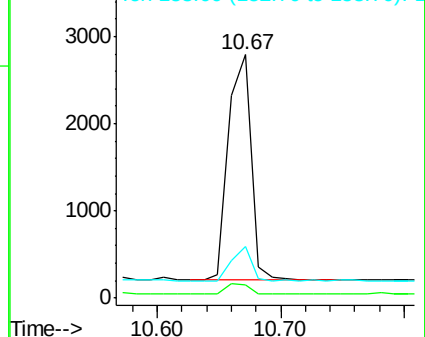
152 100

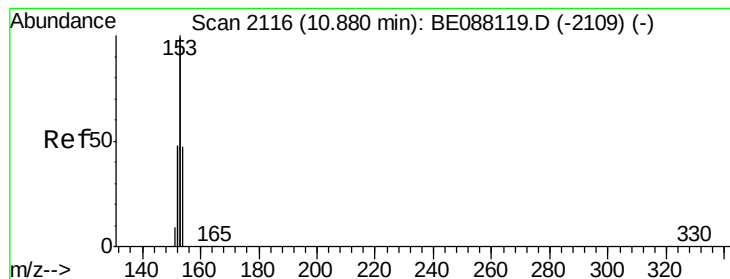
151 4.8 3.7 5.5

153 13.4 10.4 15.6



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





#10

Acenaphthene

Concen: 0.06 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

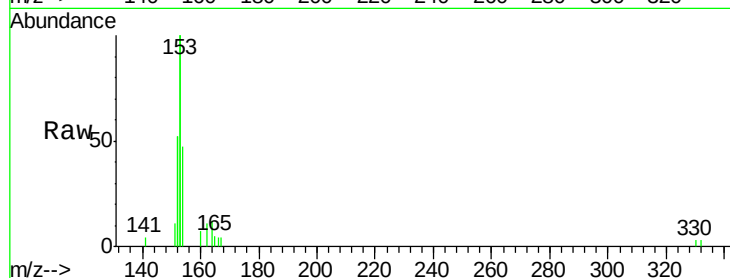
Tgt Ion:154 Resp: 674

Ion Ratio Lower Upper

154 100

153 326.3 327.8 491.6#

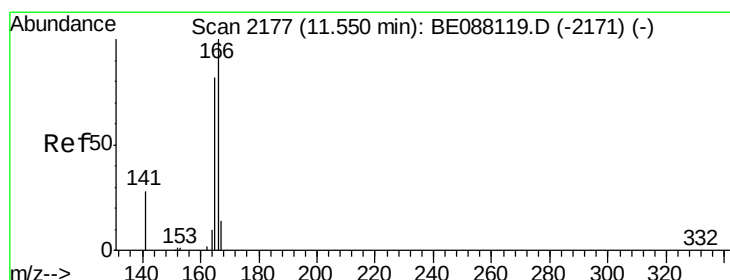
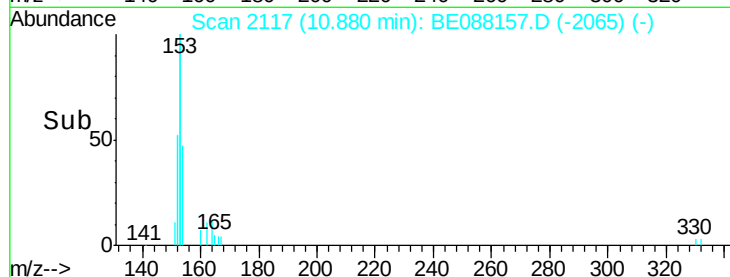
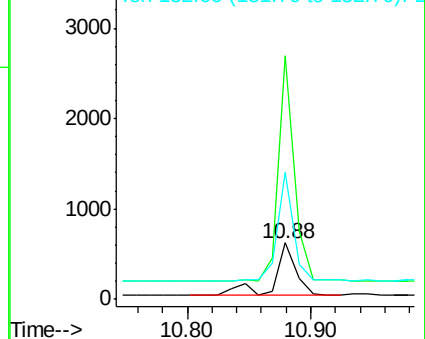
152 161.9 157.6 236.4



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: 0.07 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

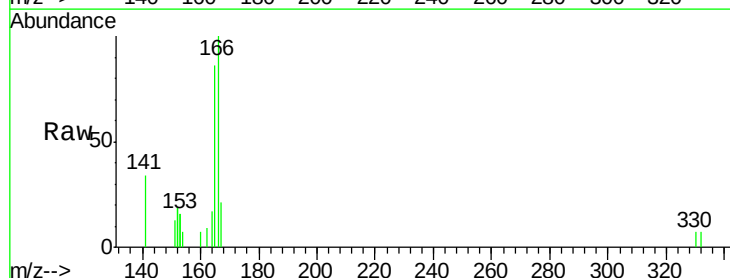
Tgt Ion:166 Resp: 796

Ion Ratio Lower Upper

166 100

165 88.4 71.4 107.2

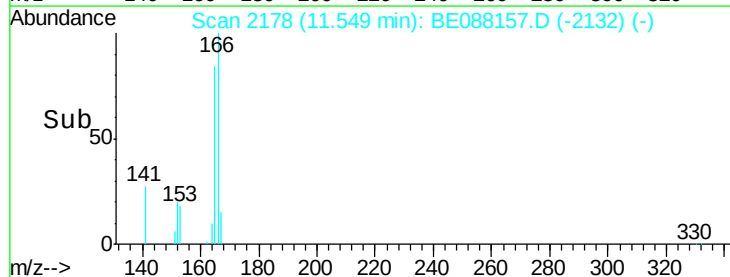
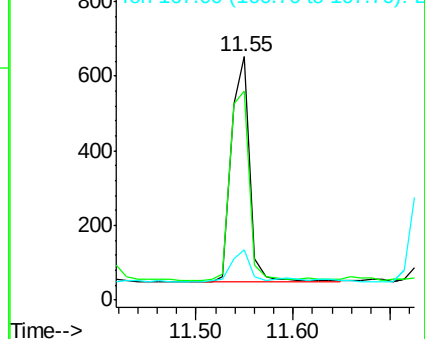
167 13.9 10.6 16.0

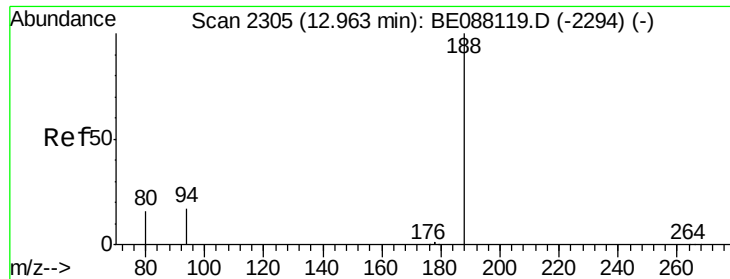


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

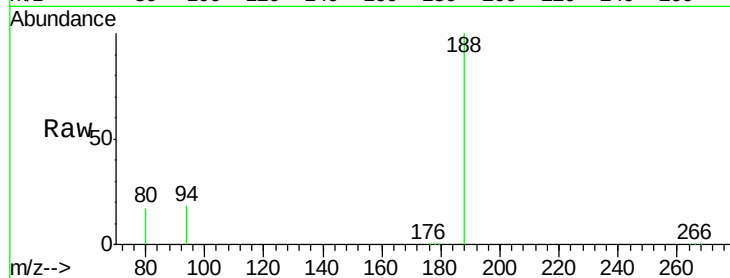




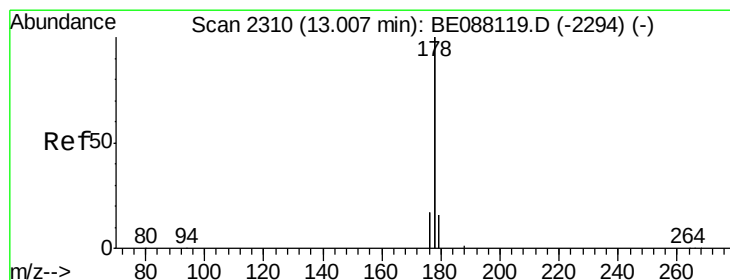
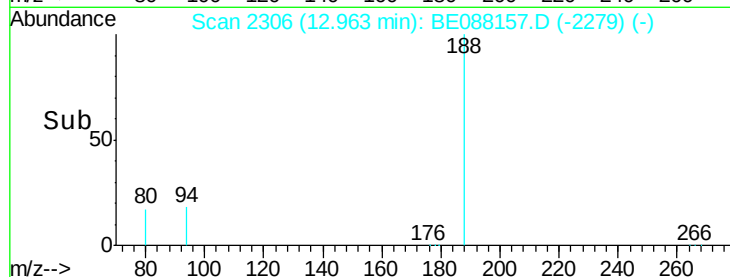
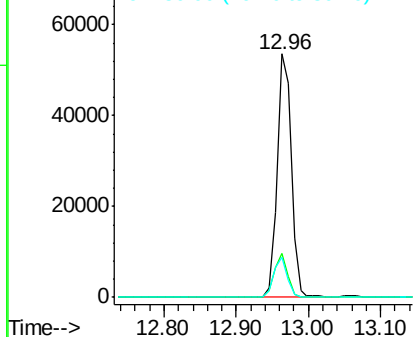
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

Tgt Ion:188 Resp: 85773
Ion Ratio Lower Upper
188 100
94 17.9 13.9 20.9
80 16.7 12.9 19.3

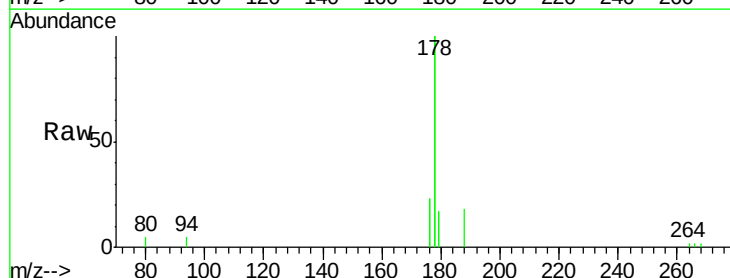


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

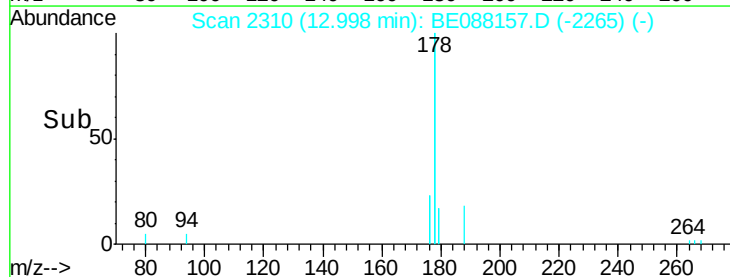
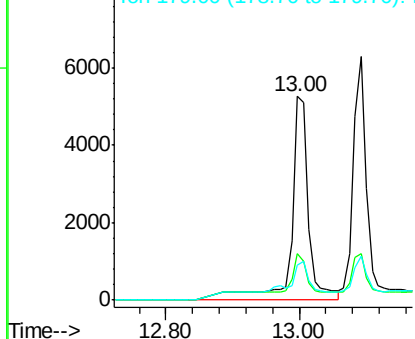


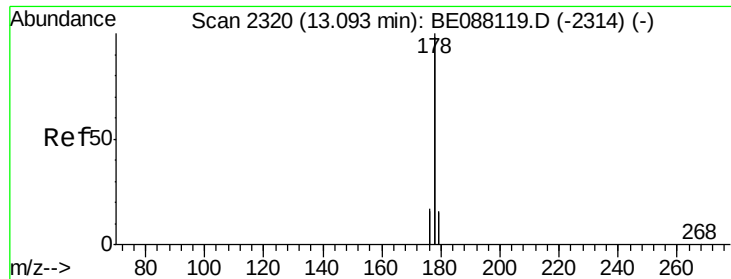
#13
Phenanthrene
Concen: Below Cal
RT: 13.00 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion:178 Resp: 11042
Ion Ratio Lower Upper
178 100
176 16.8 12.5 18.7
179 17.8 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: 0.13 ng

RT: 13.09 min Scan# 2321

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

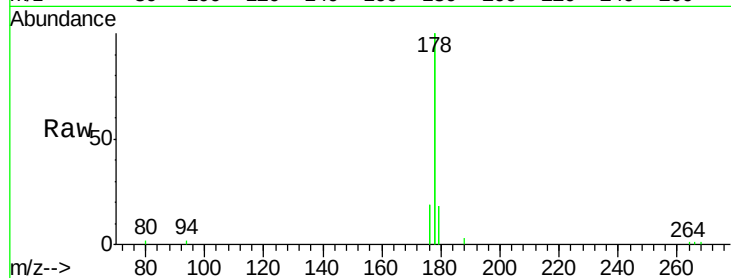
Tgt Ion:178 Resp: 8372

Ion Ratio Lower Upper

178 100

176 20.6 14.6 21.8

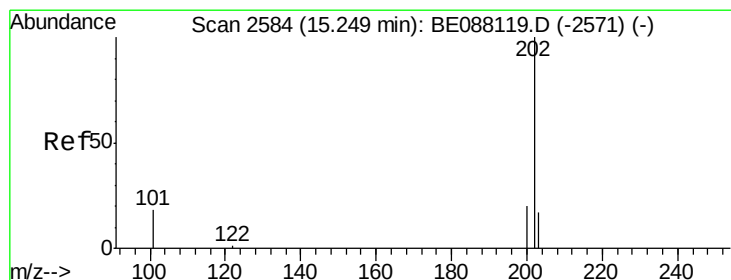
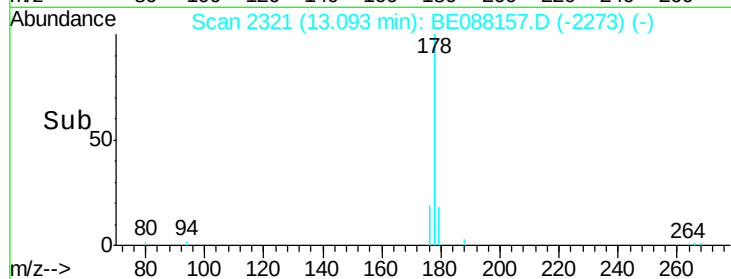
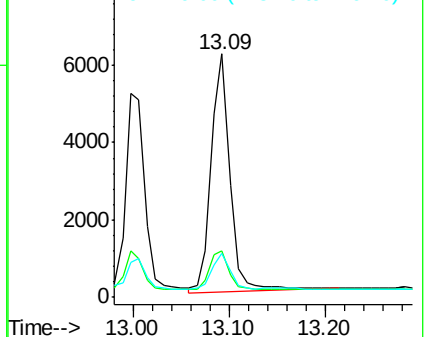
179 15.1 12.5 18.7



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



#15

Fluoranthene

Concen: 0.13 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

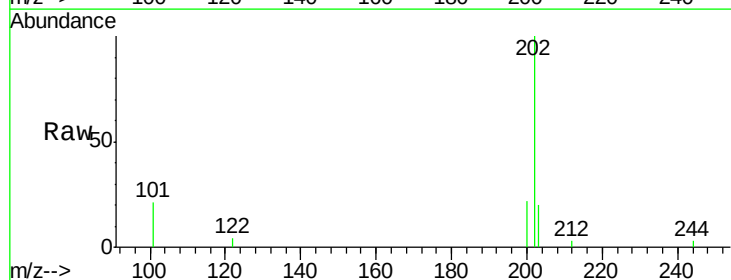
Tgt Ion:202 Resp: 2152

Ion Ratio Lower Upper

202 100

101 18.0 14.8 22.2

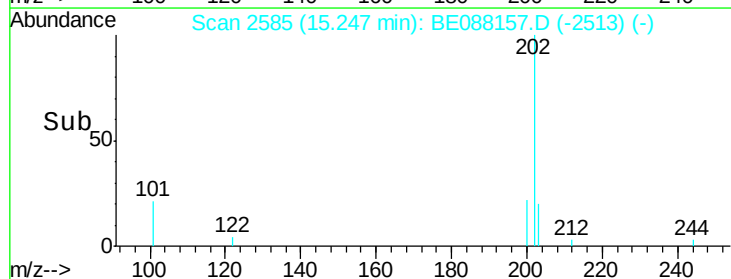
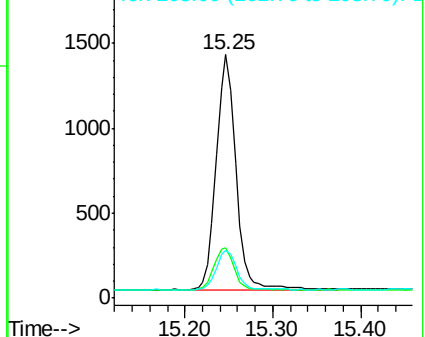
203 16.8 13.5 20.3

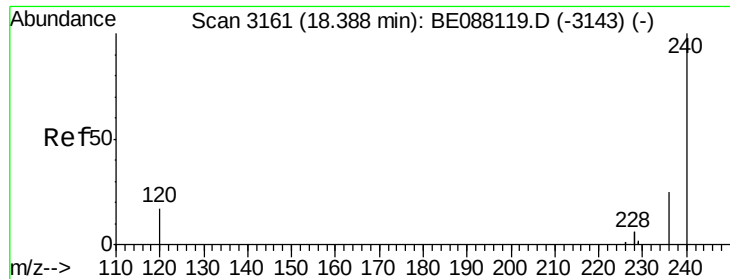


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

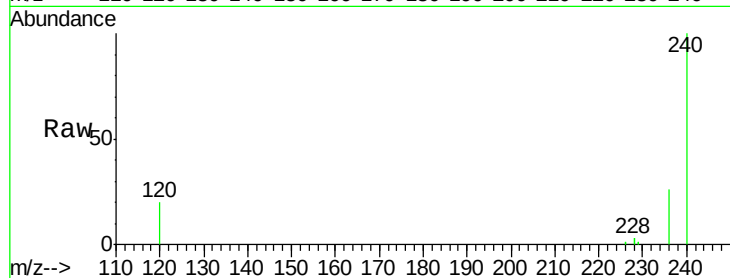
Tgt Ion:240 Resp: 53851

Ion Ratio Lower Upper

240 100

120 20.4 13.9 20.9

236 25.6 19.9 29.9

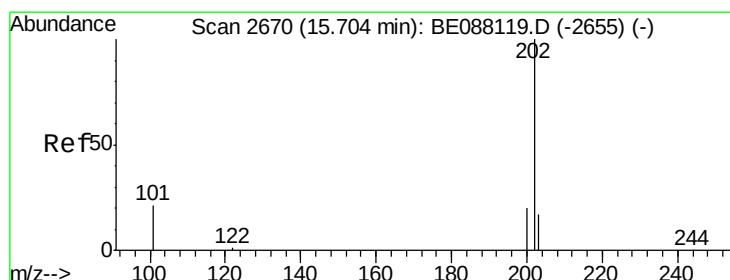
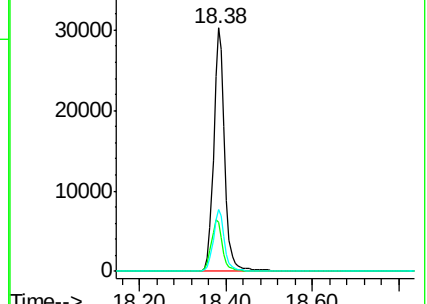
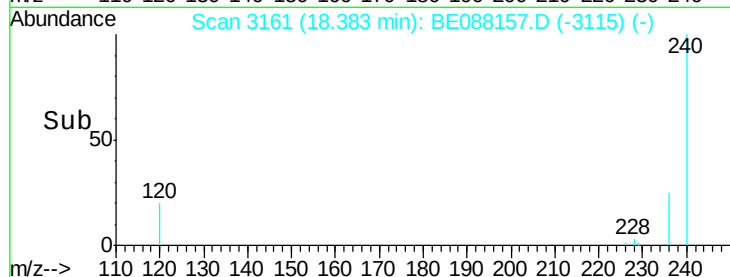


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



#17

Pyrene

Concen: 0.15 ng

RT: 15.70 min Scan# 2671

Delta R.T. -0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

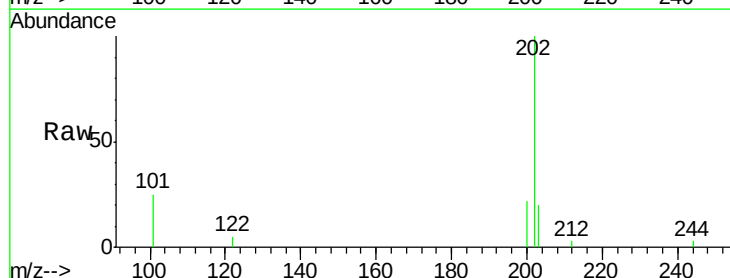
Tgt Ion:202 Resp: 2234

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.1 13.9 20.9

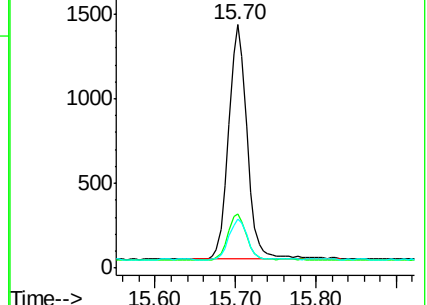
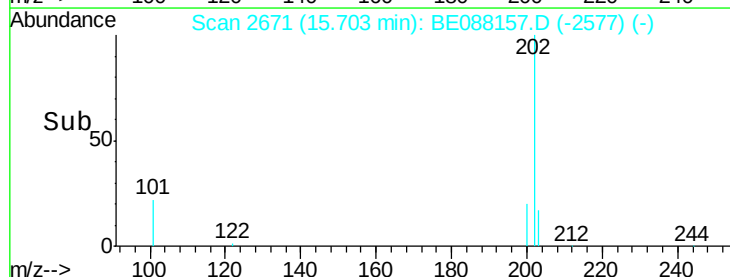


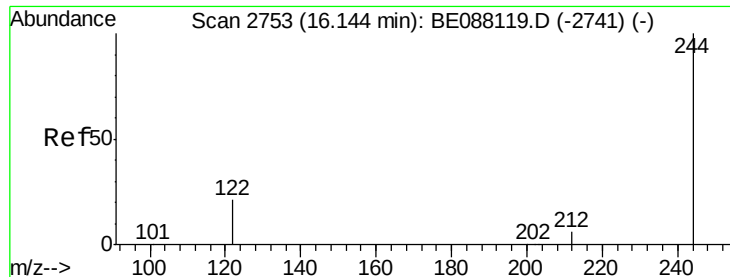
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





#18

Terphenyl-d14

Concen: 9.77 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

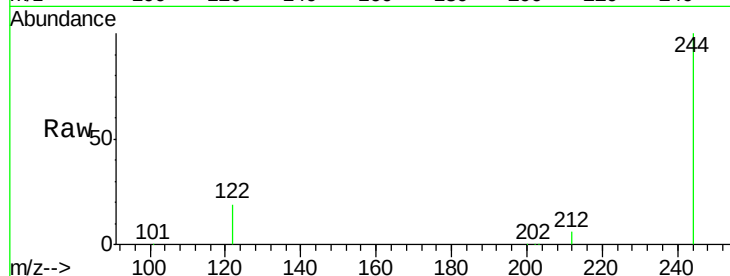
Tgt Ion:244 Resp: 84670

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

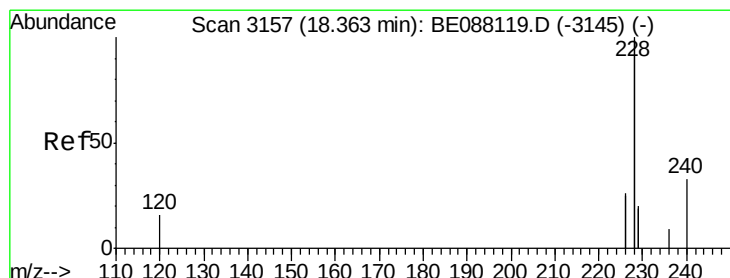
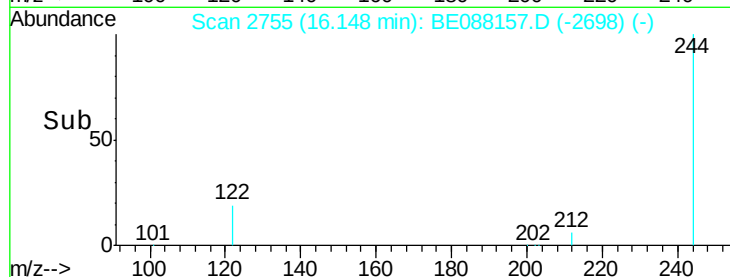
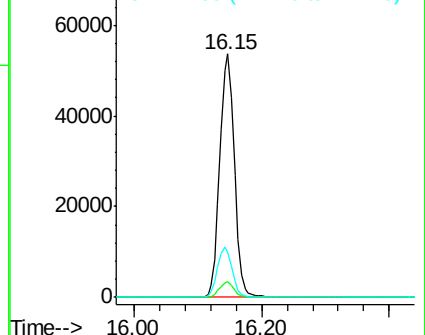
122 18.7 17.5 26.3



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: 0.15 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

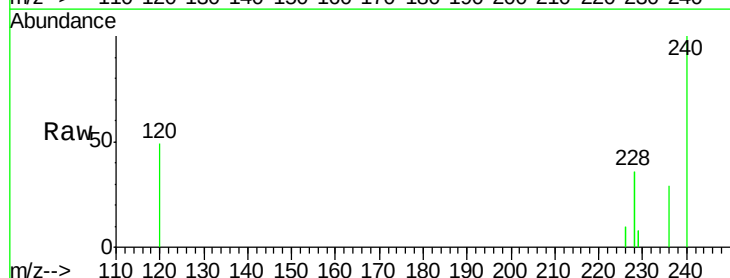
Tgt Ion:228 Resp: 7215

Ion Ratio Lower Upper

228 100

226 28.9 20.8 31.2

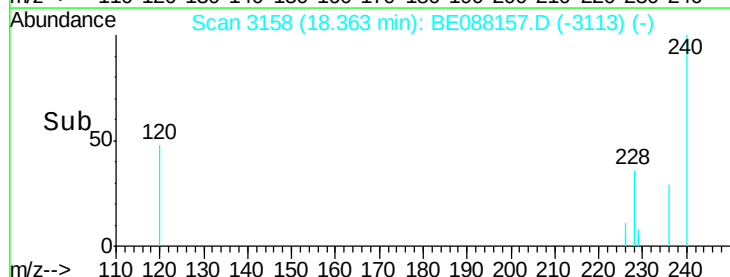
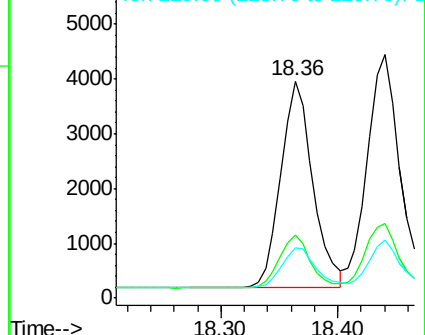
229 23.3 15.6 23.4

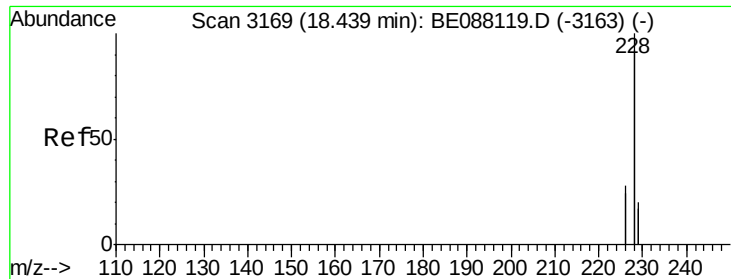


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.15 ng

RT: 18.36 min Scan# 3158

Delta R.T. -0.08 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

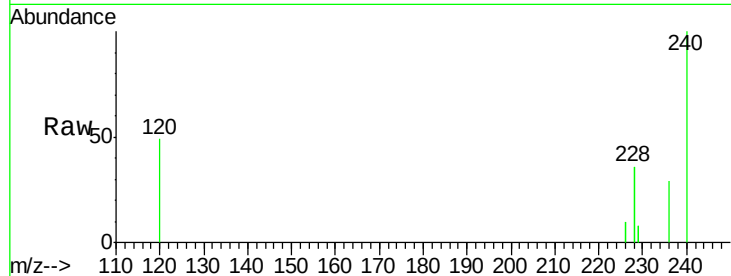
Tgt Ion:228 Resp: 7215

Ion Ratio Lower Upper

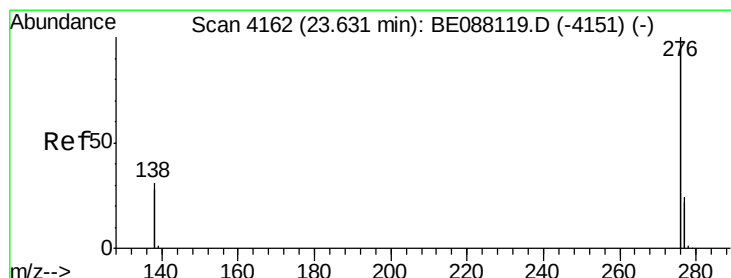
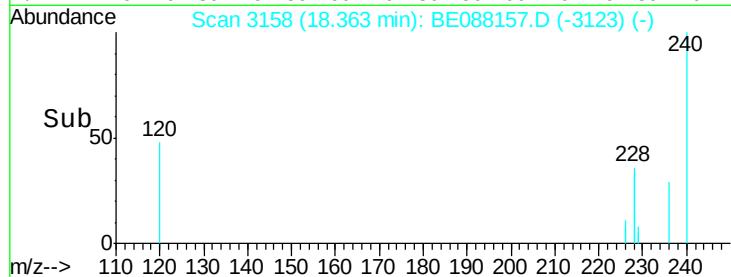
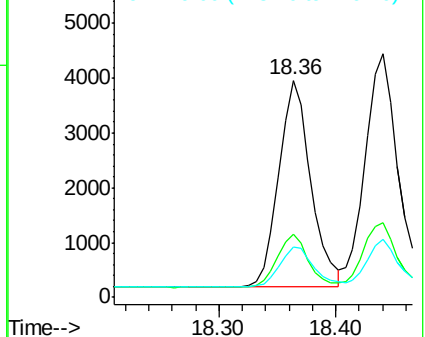
228 100

226 28.9 22.7 34.1

229 23.3 15.8 23.6



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



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 23.63 min Scan# 4163

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

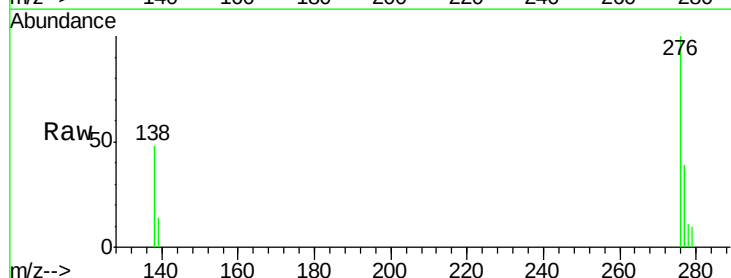
Tgt Ion:276 Resp: 2725

Ion Ratio Lower Upper

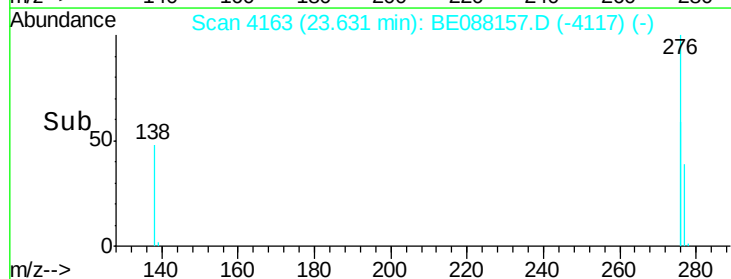
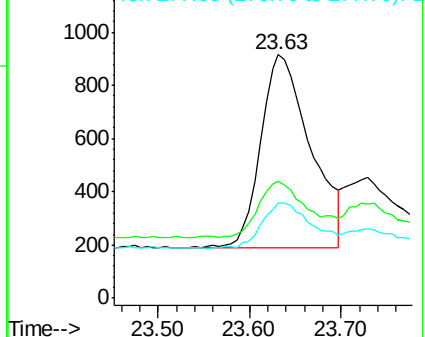
276 100

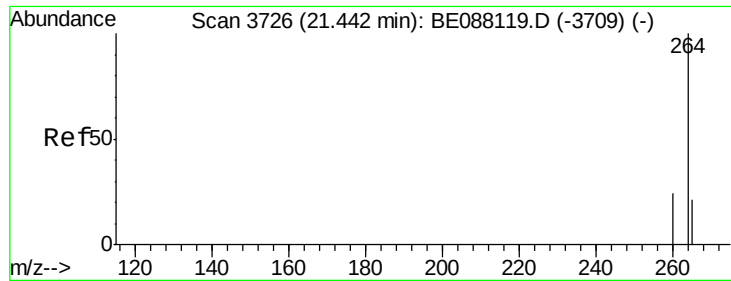
138 29.2 18.5 27.7#

277 24.6 14.6 21.8#



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



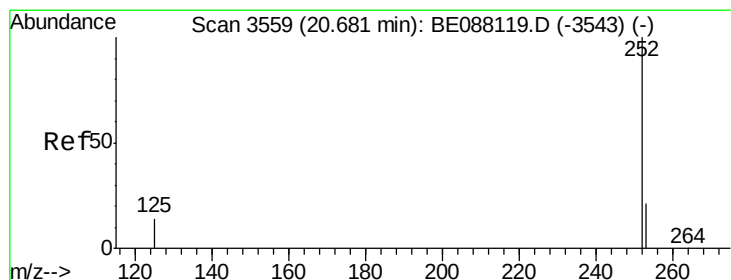
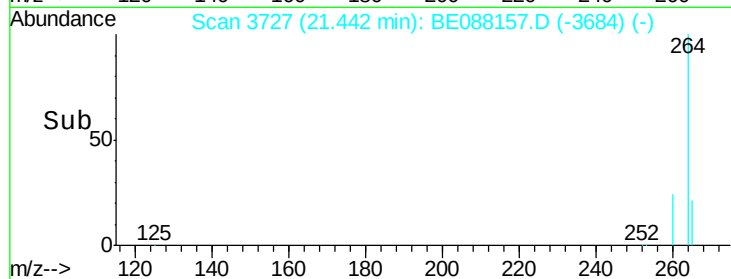
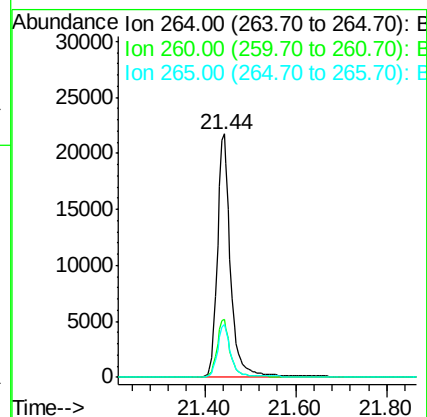
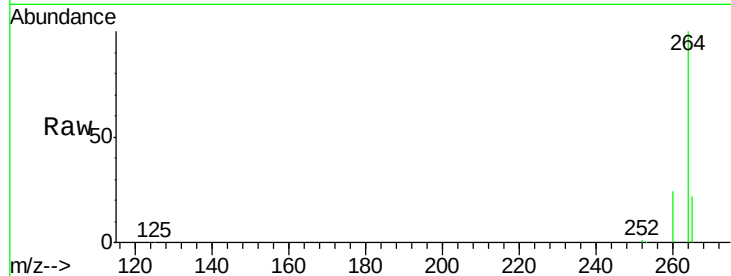


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

Tgt Ion: 264 Resp: 42943

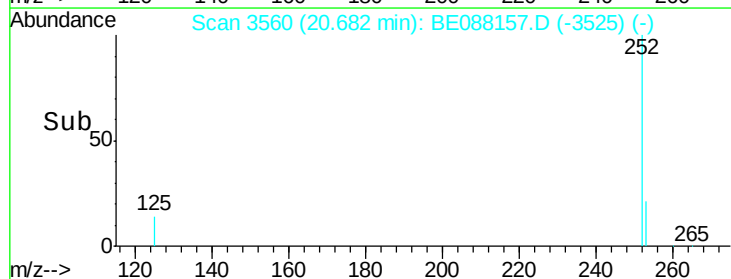
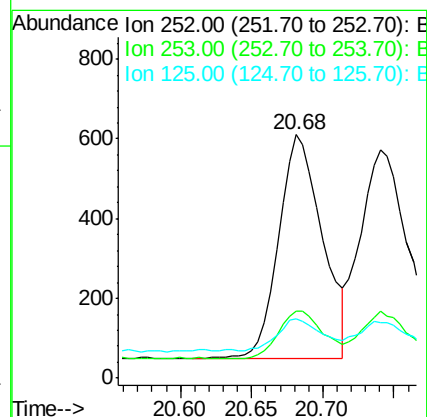
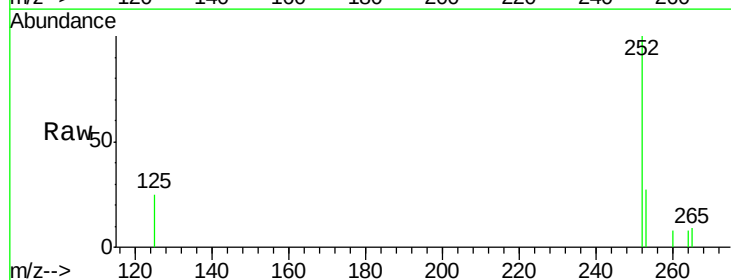
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.7	17.2	25.8

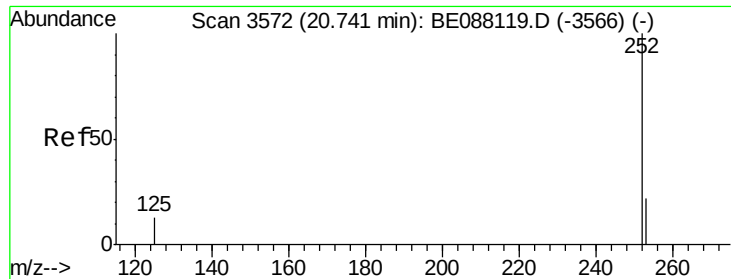


#23
Benzo(b)fluoranthene
Concen: 0.12 ng
RT: 20.68 min Scan# 3560
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion: 252 Resp: 1184

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.0#
125	24.5	11.8	17.8#





#24

Benzo(k)fluoranthene

Concen: 0.12 ng

RT: 20.74 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

Instrument :

BNA_E

ClientSampleId :

YS19-SW14-1014

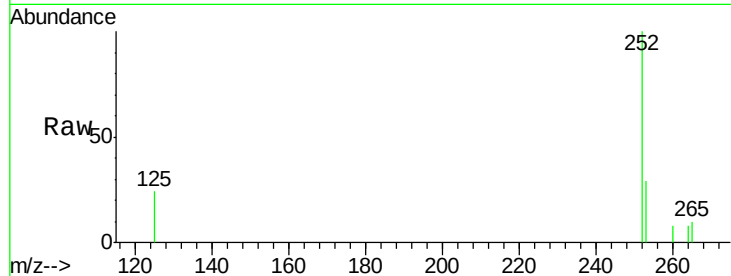
Tgt Ion: 252 Resp: 1313

Ion Ratio Lower Upper

252 100

253 29.3 17.6 26.4#

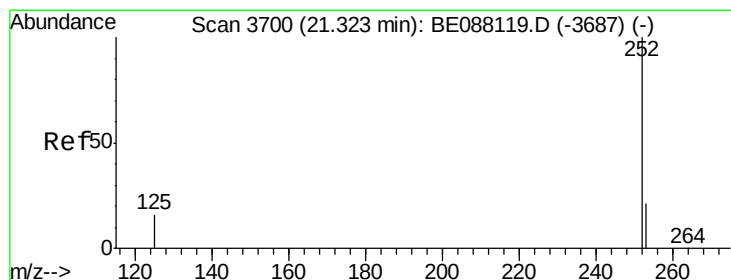
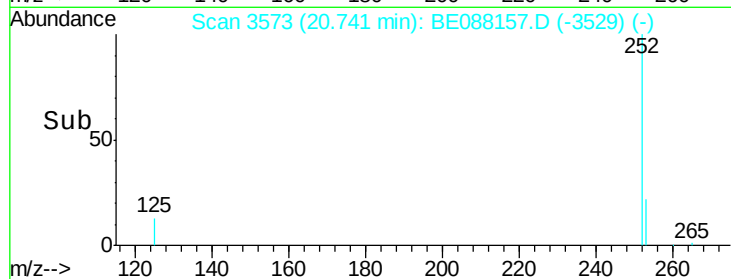
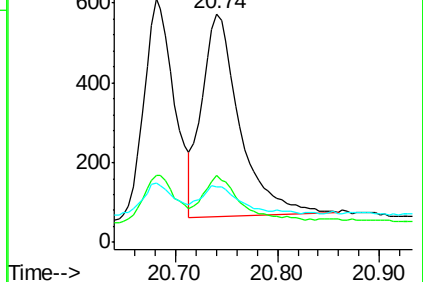
125 24.0 11.5 17.3#



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: 0.10 ng

RT: 21.32 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BE088157.D

Acq: 21 Oct 2014 23:34

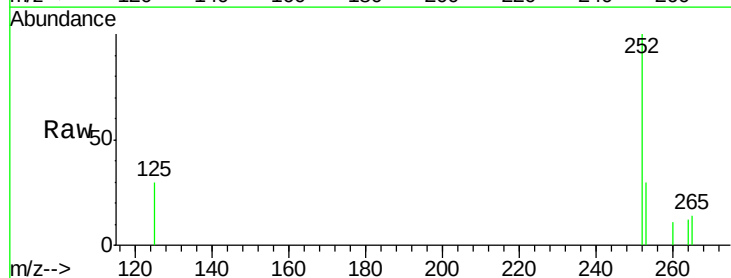
Tgt Ion: 252 Resp: 910

Ion Ratio Lower Upper

252 100

253 30.3 17.5 26.3#

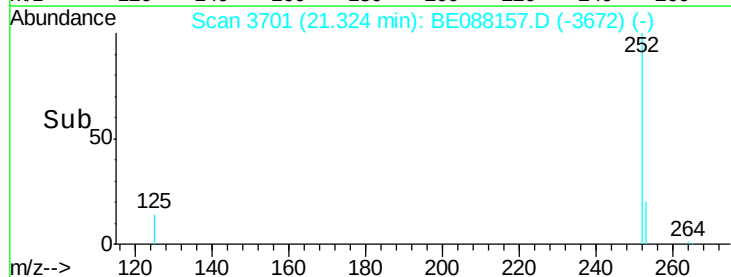
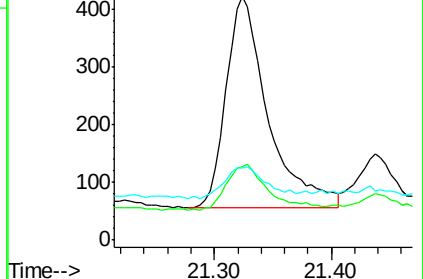
125 29.6 13.0 19.6#

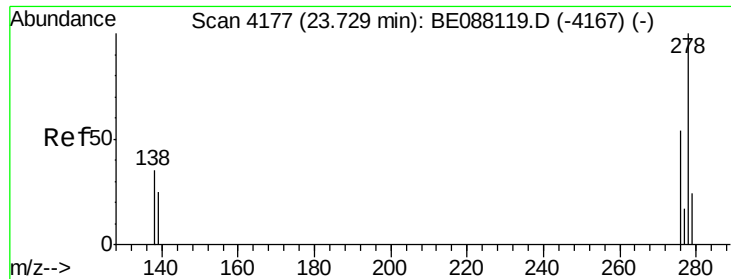


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

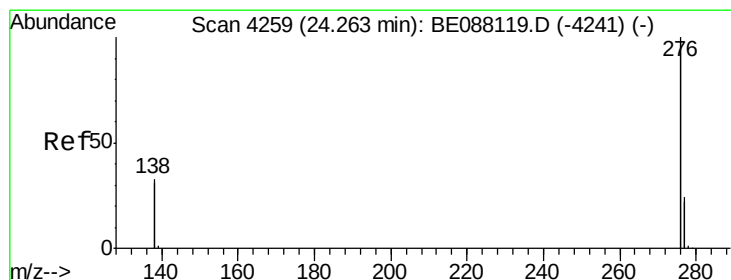
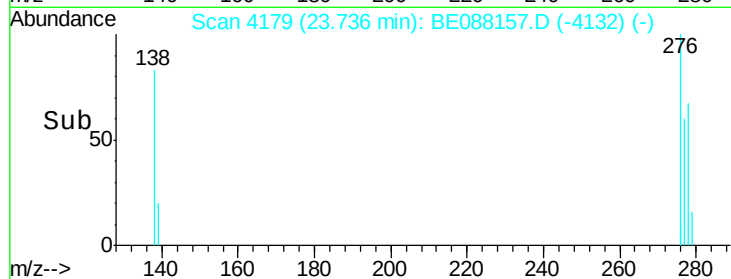
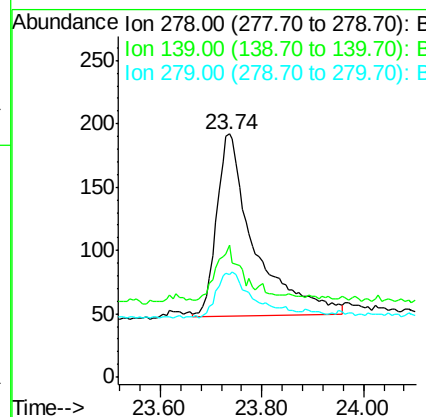
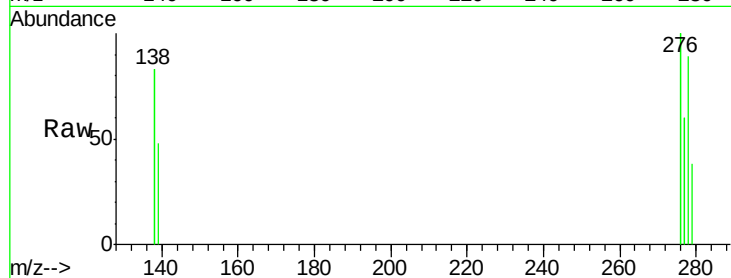




#26
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 23.74 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Instrument :
BNA_E
ClientSampleId :
YS19-SW14-1014

Tgt Ion: 278 Resp: 736
Ion Ratio Lower Upper
278 100
139 54.2 20.9 31.3#
279 42.2 19.8 29.8#



#27
Benzo(g,h,i)perylene
Concen: 0.10 ng
RT: 24.26 min Scan# 4260
Delta R.T. 0.00 min
Lab File: BE088157.D
Acq: 21 Oct 2014 23:34

Tgt Ion: 276 Resp: 4038
Ion Ratio Lower Upper
276 100
277 36.9 19.2 28.8#
138 49.2 26.6 40.0#

