

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
 Data File : BE088138.D
 Acq On : 21 Oct 2014 12:28
 Operator : TP/JJ
 Sample : F4351-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW09-1014

Quant Time: Oct 21 15:13:14 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

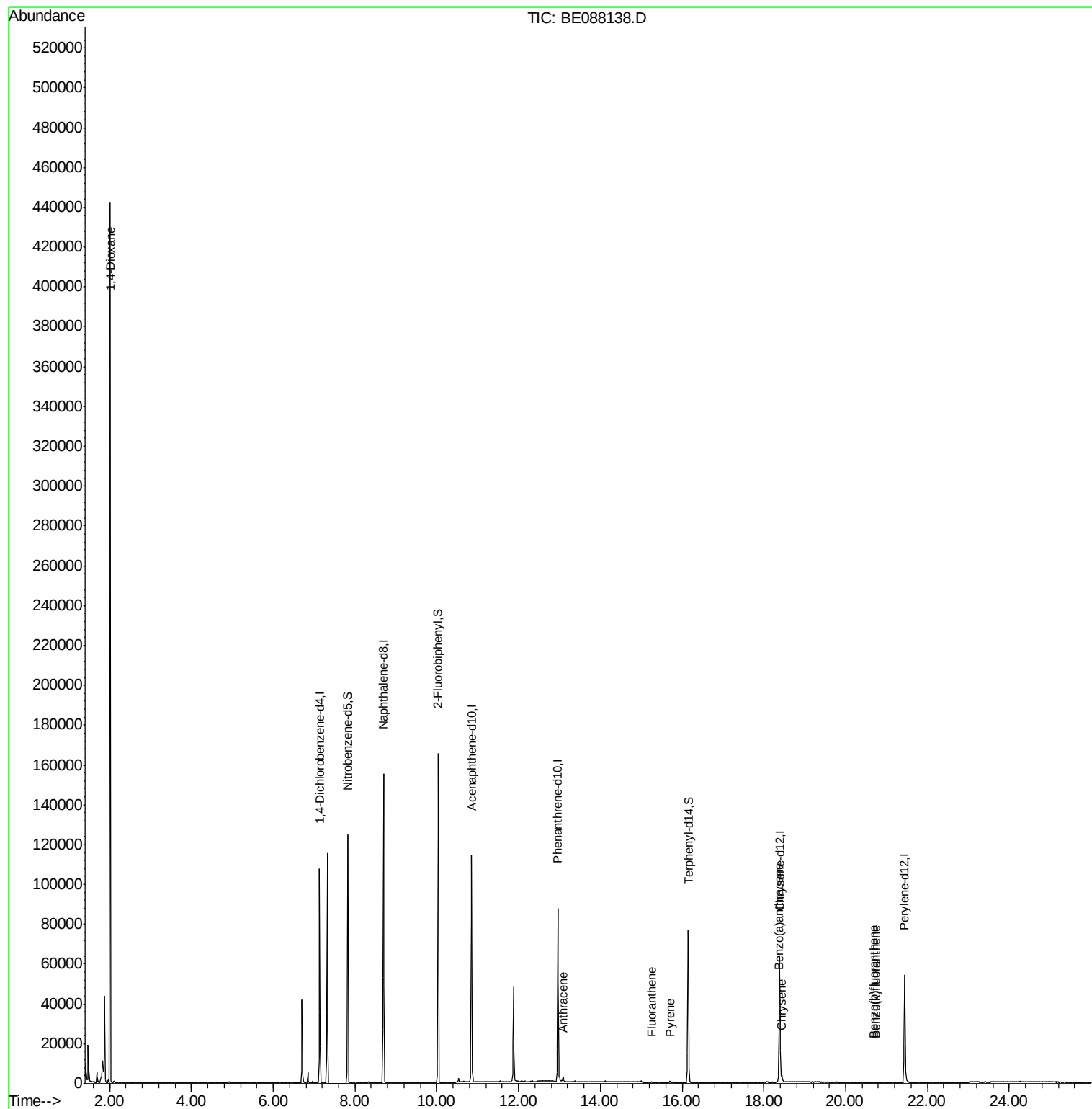
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	36302	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	134734	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	58412	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	109005	5.00	ng	0.00
16) Chrysene-d12	18.38	240	75434	5.00	ng	0.00
22) Perylene-d12	21.44	264	71642	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	63167	6.50	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	107696	6.67	ng	0.00
18) Terphenyl-d14	16.15	244	99775	8.22	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	13869	2.66	ng	# 1
13) Phenanthrene	13.00	178	3884	Below Cal		# 64
14) Anthracene	13.09	178	2707	0.03	ng	# 95
15) Fluoranthene	15.25	202	1227	0.06	ng	# 98
17) Pyrene	15.70	202	1205	0.06	ng	# 99
19) Benzo(a)anthracene	18.36	228	3781	0.06	ng	# 84
20) Chrysene	18.44	228	4456	0.07	ng	# 88
23) Benzo(b)fluoranthene	20.68	252	475	0.03	ng	# 59
24) Benzo(k)fluoranthene	20.74	252	433	0.02	ng	# 52

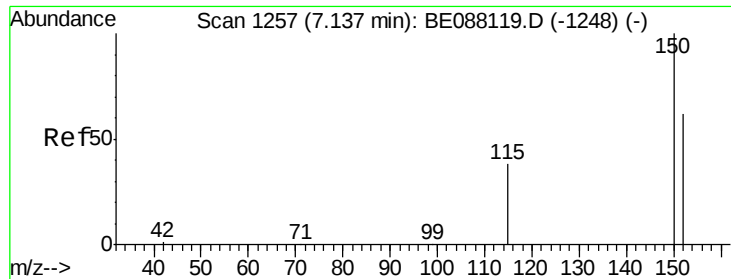
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

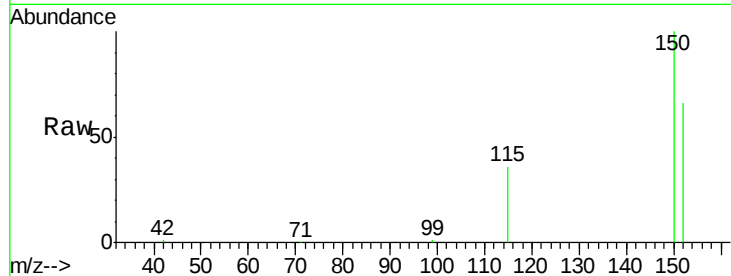
Tgt Ion:152 Resp: 36302

Ion Ratio Lower Upper

152 100

150 151.9 129.2 193.8

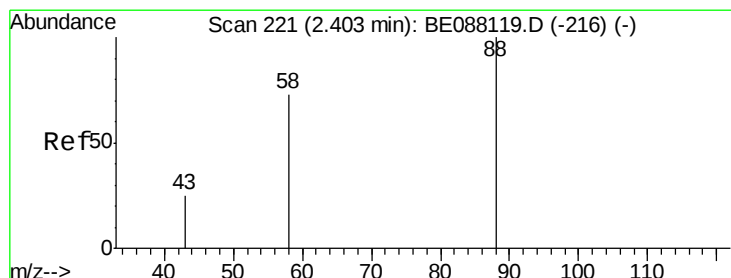
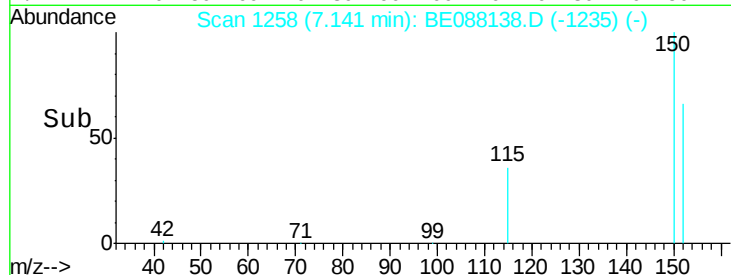
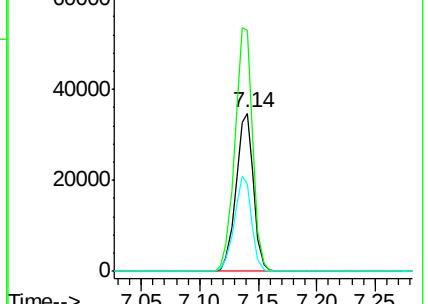
115 55.0 49.3 73.9



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



#2

1,4-Dioxane

Concen: 2.66 ng

RT: 2.01 min Scan# 136

Delta R.T. -0.39 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

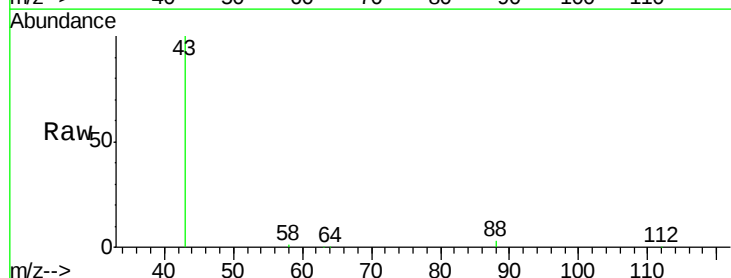
Tgt Ion: 88 Resp: 13869

Ion Ratio Lower Upper

88 100

58 28.1 59.5 89.3#

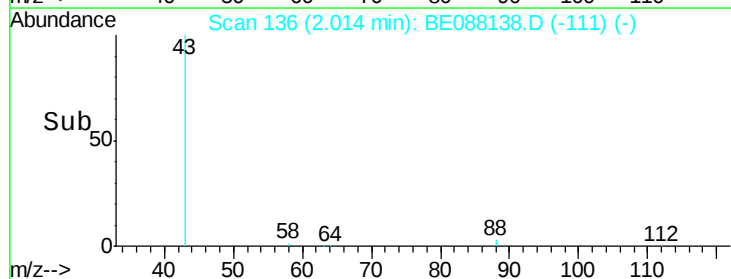
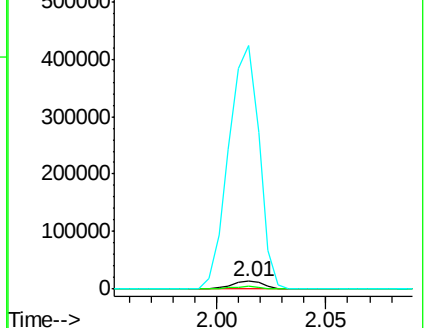
43 2976.7 21.2 31.8#

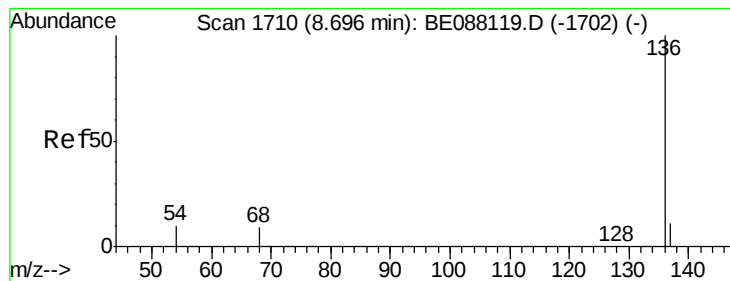


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

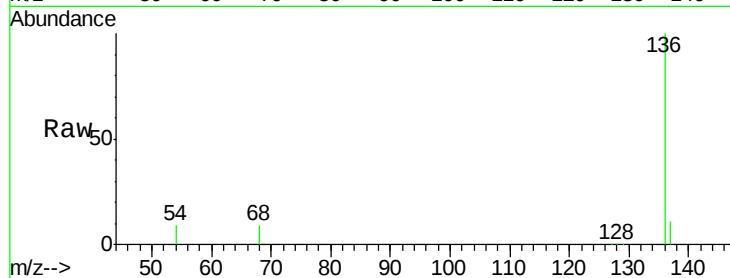
Tgt Ion: 136 Resp: 134734

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

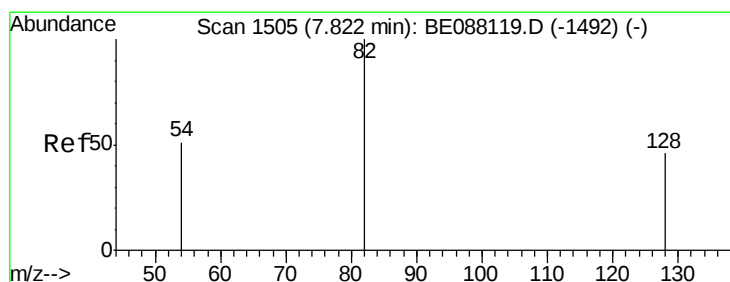
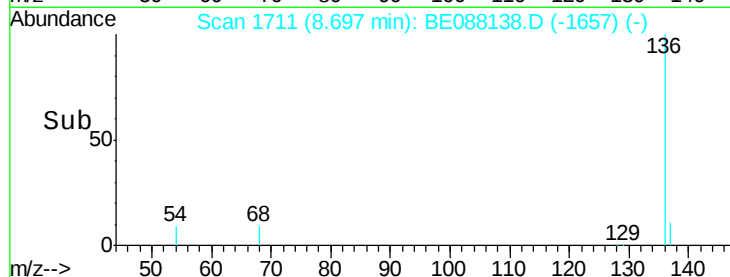
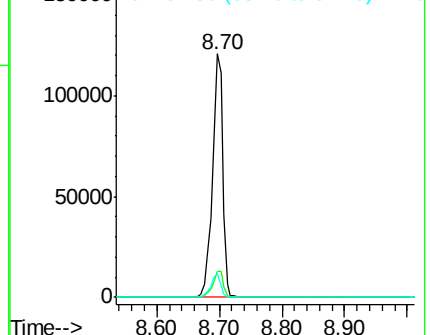
54 9.4 7.7 11.5



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: 6.50 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

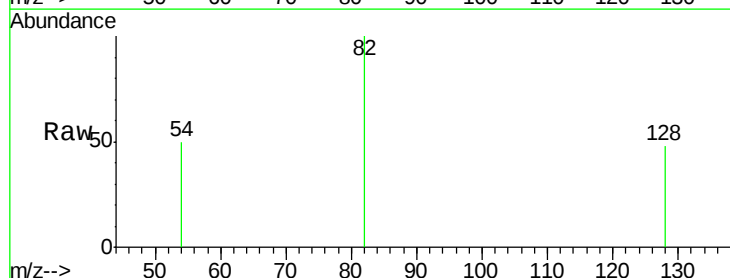
Tgt Ion: 82 Resp: 63167

Ion Ratio Lower Upper

82 100

128 48.4 37.1 55.7

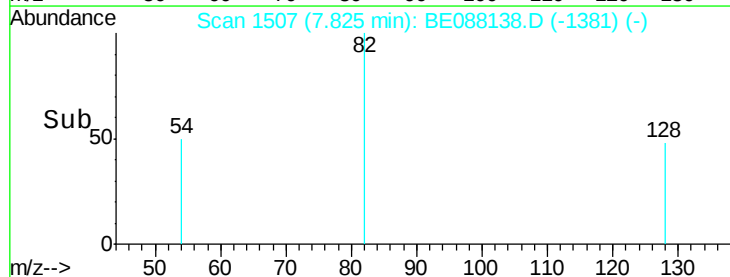
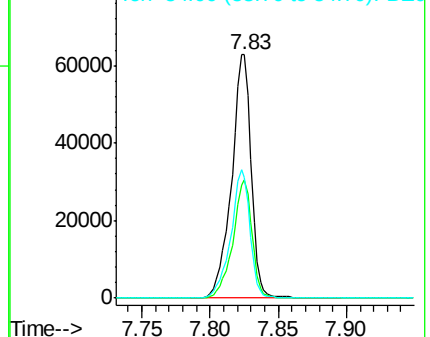
54 49.7 41.1 61.7

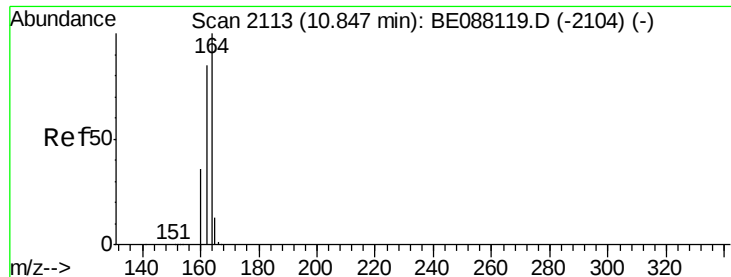


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

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: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

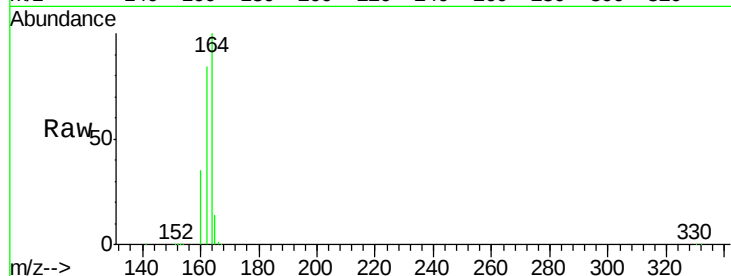
Tgt Ion:164 Resp: 58412

Ion Ratio Lower Upper

164 100

162 83.8 68.3 102.5

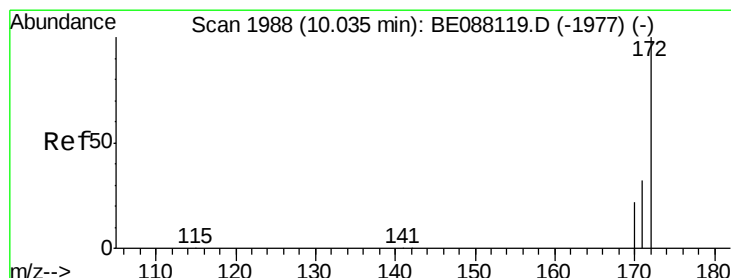
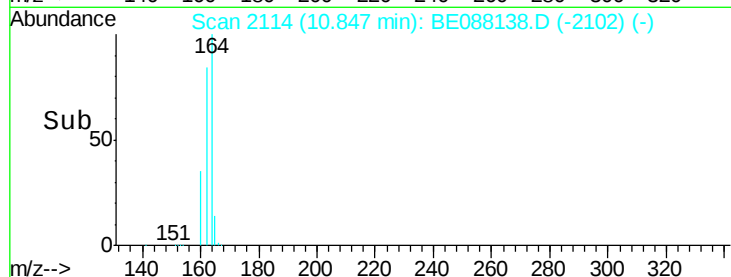
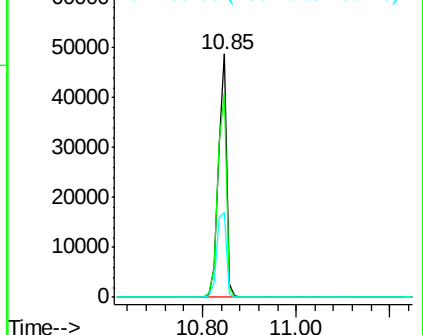
160 34.9 28.7 43.1



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: 6.67 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

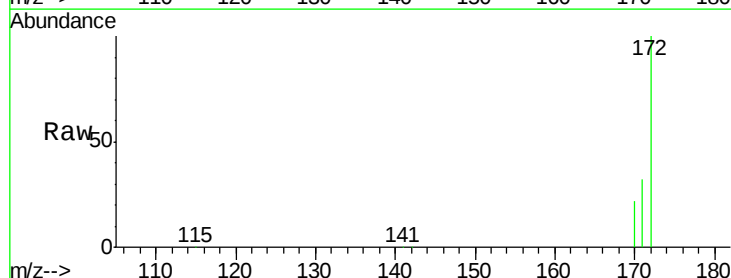
Tgt Ion:172 Resp: 107696

Ion Ratio Lower Upper

172 100

171 32.1 25.4 38.2

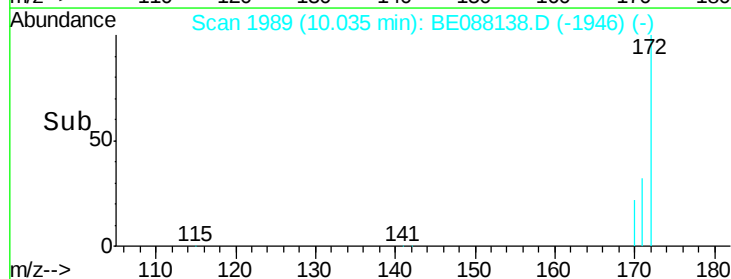
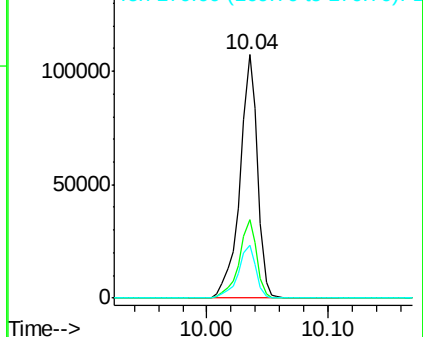
170 21.8 17.4 26.2

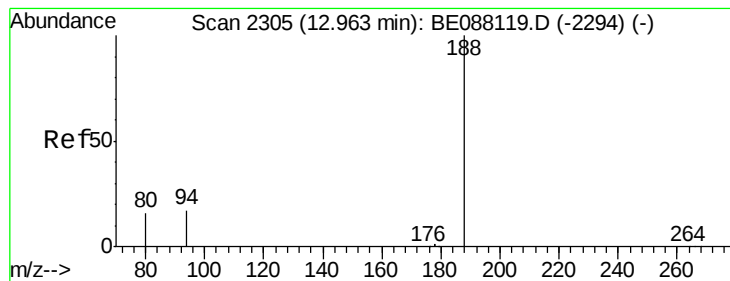


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.96 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

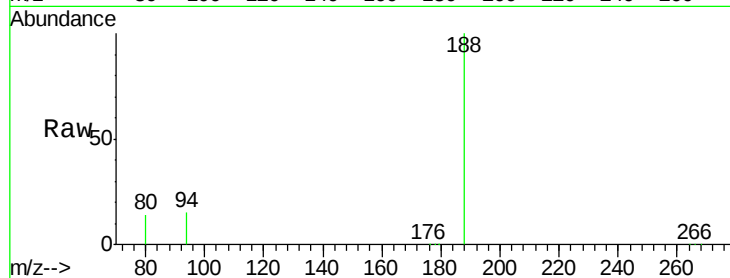
Tgt Ion:188 Resp: 109005

Ion Ratio Lower Upper

188 100

94 14.8 13.9 20.9

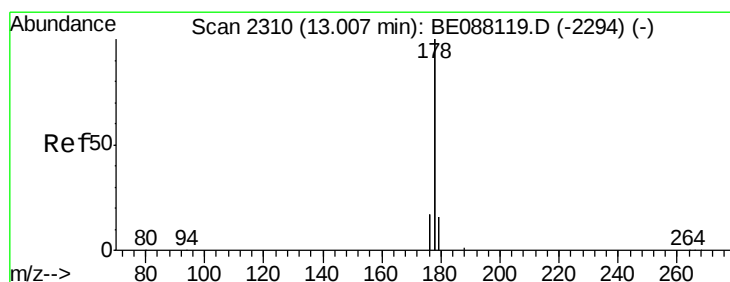
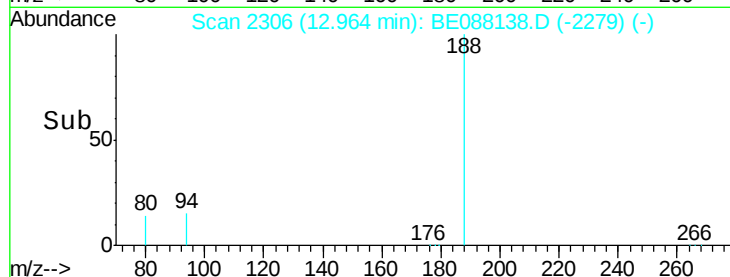
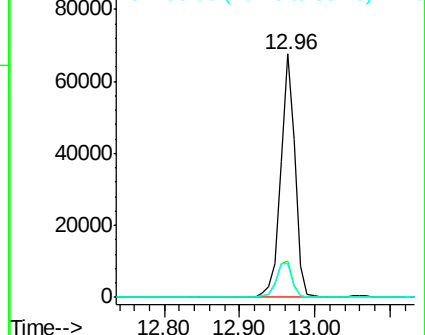
80 13.7 12.9 19.3



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: BE088138.D

Acq: 21 Oct 2014 12:28

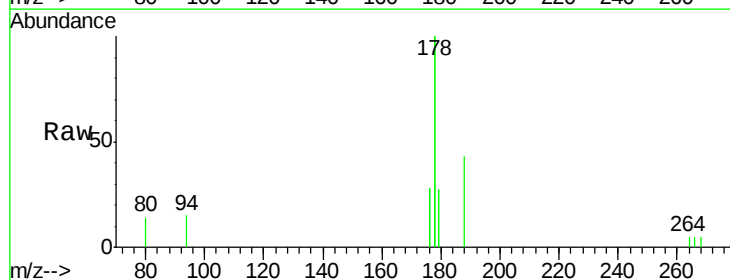
Tgt Ion:178 Resp: 3884

Ion Ratio Lower Upper

178 100

176 29.2 12.5 18.7#

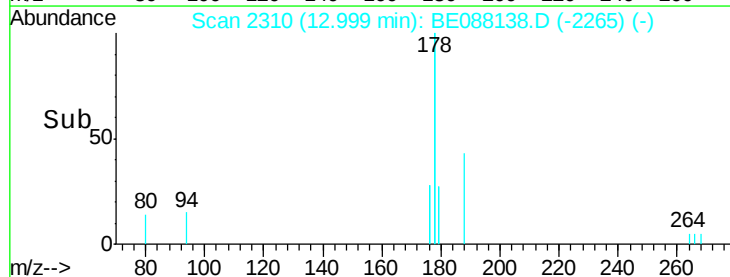
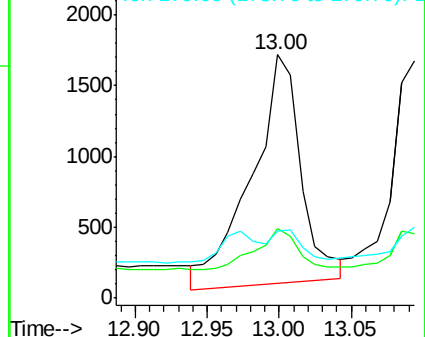
179 0.0 13.5 20.3#

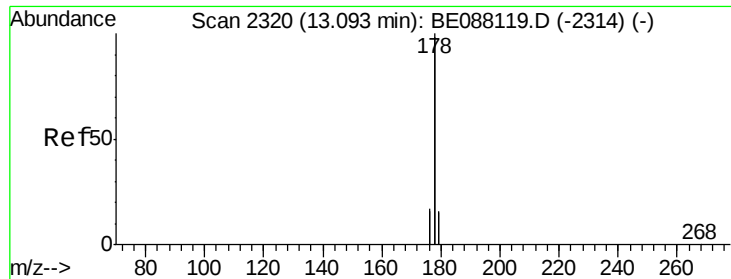


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.03 ng

RT: 13.09 min Scan# 2321

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

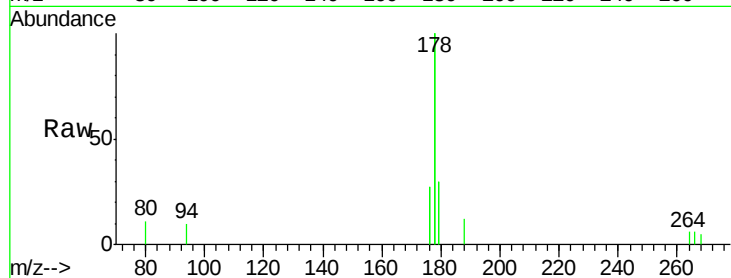
Tgt Ion:178 Resp: 2707

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

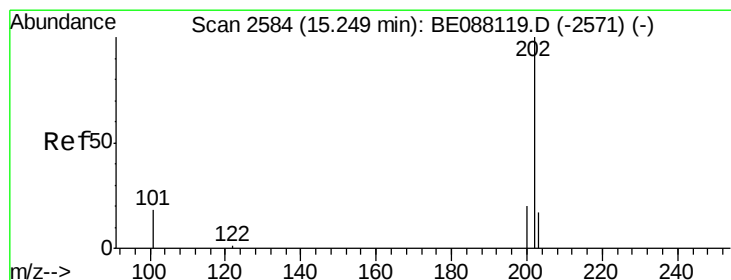
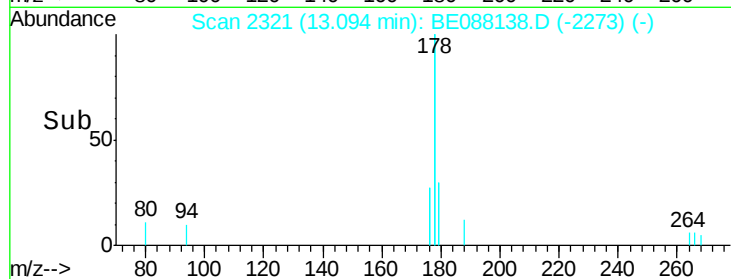
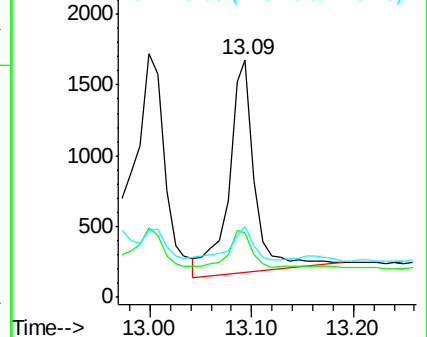
179 11.3 12.5 18.7#



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: 0.06 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

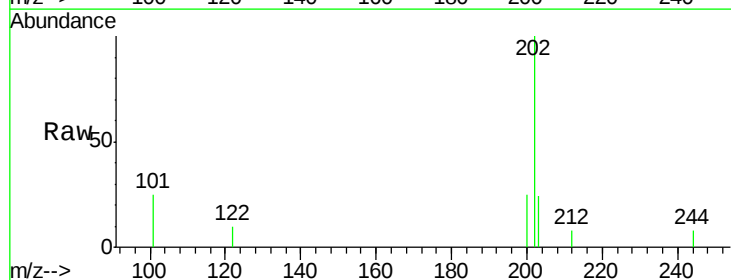
Tgt Ion:202 Resp: 1227

Ion Ratio Lower Upper

202 100

101 17.8 14.8 22.2

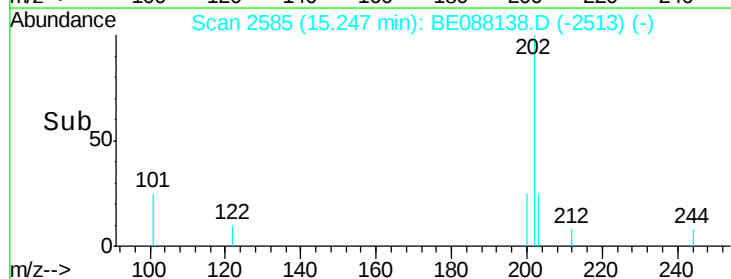
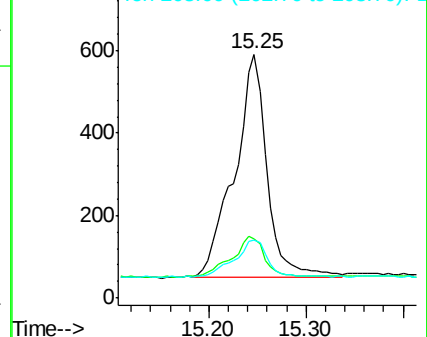
203 16.2 13.5 20.3

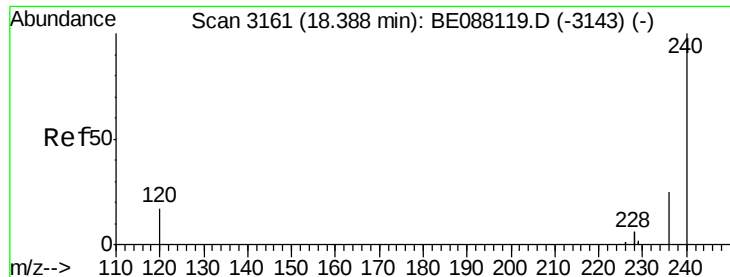


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

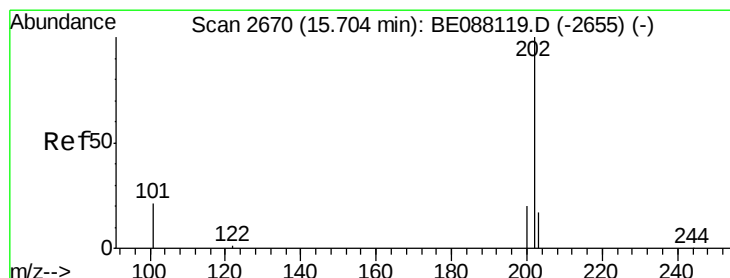
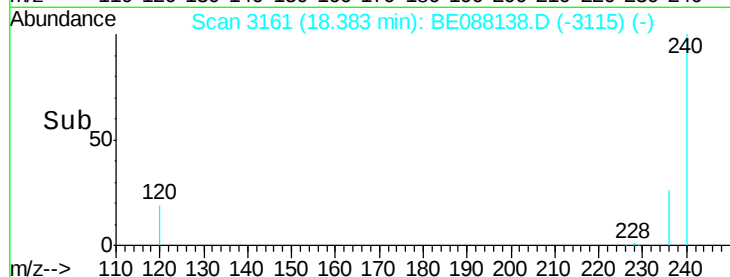
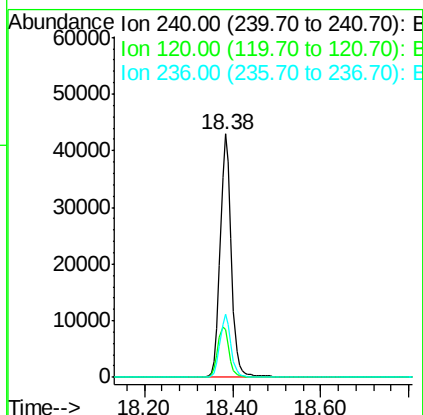
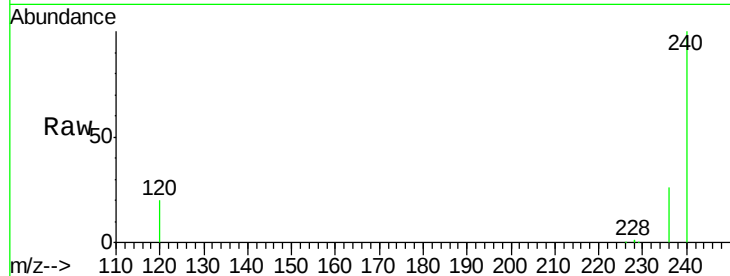




#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE088138.D
Acq: 21 Oct 2014 12:28

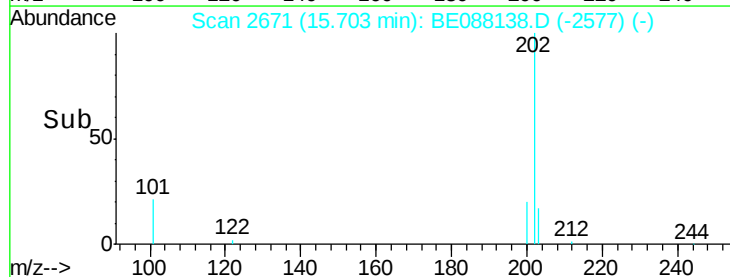
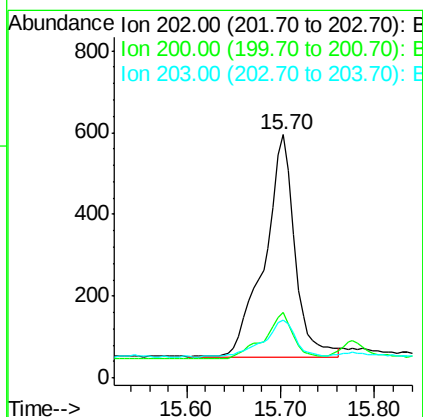
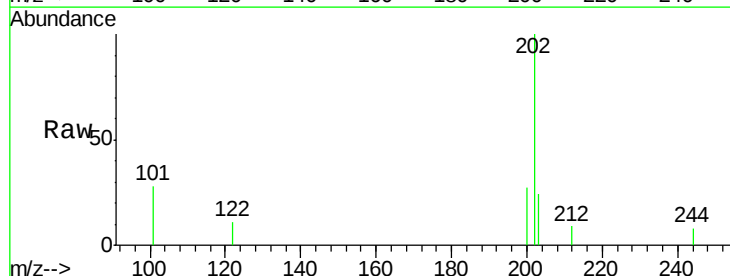
Instrument :
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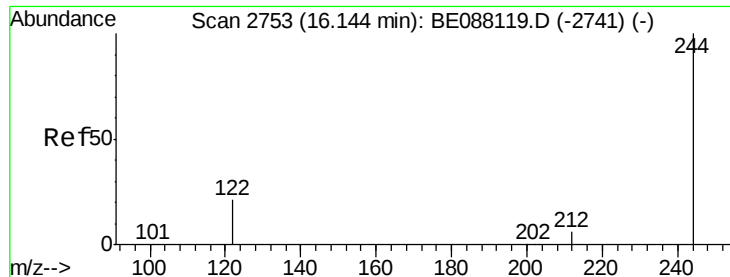
Tgt Ion:240 Resp: 75434
Ion Ratio Lower Upper
240 100
120 19.6 13.9 20.9
236 25.7 19.9 29.9



#17
Pyrene
Concen: 0.06 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088138.D
Acq: 21 Oct 2014 12:28

Tgt Ion:202 Resp: 1205
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 16.8 13.9 20.9





#18

Terphenyl-d14

Concen: 8.22 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

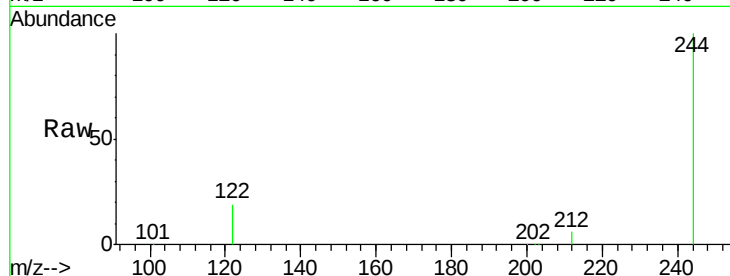
Tgt Ion:244 Resp: 99775

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

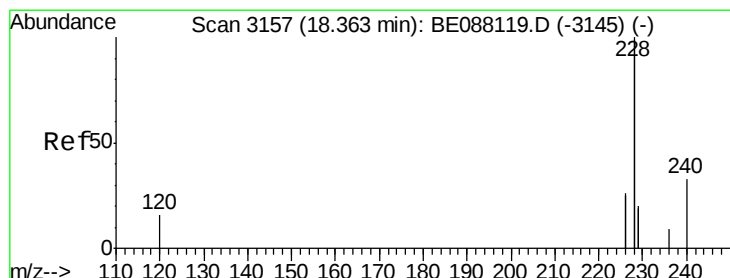
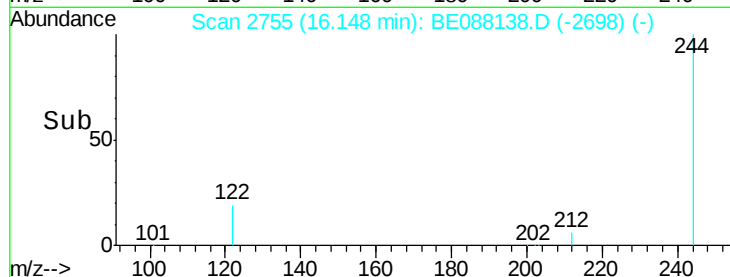
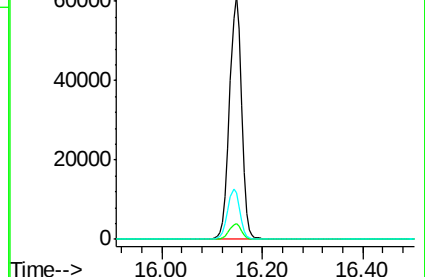
122 19.2 17.5 26.3



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: 0.06 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

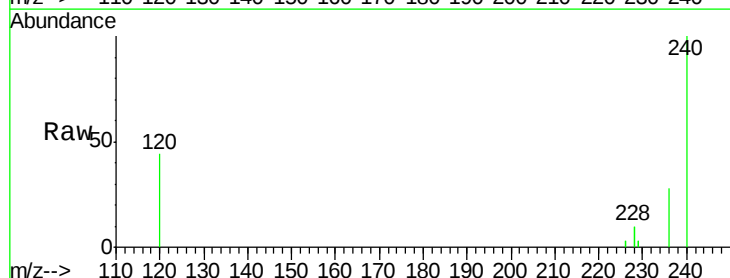
Tgt Ion:228 Resp: 3781

Ion Ratio Lower Upper

228 100

226 32.3 20.8 31.2#

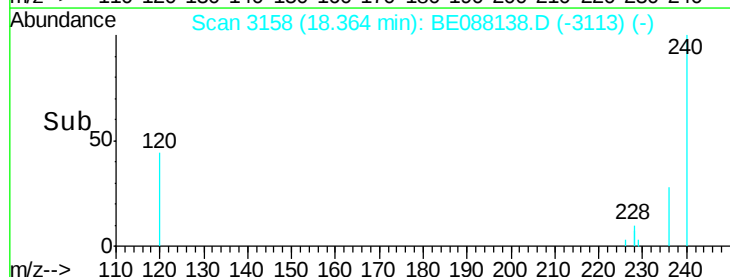
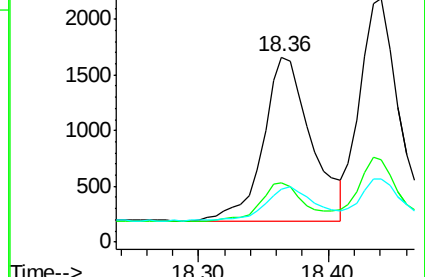
229 28.7 15.6 23.4#

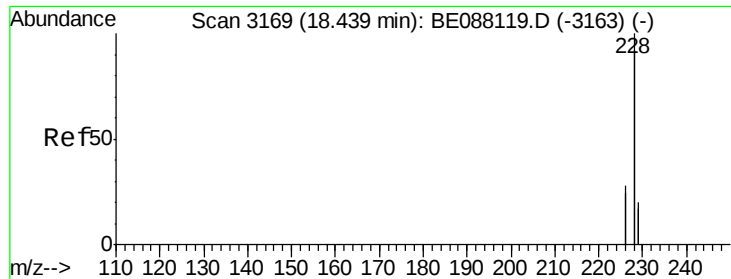


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.07 ng

RT: 18.44 min Scan# 3170

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

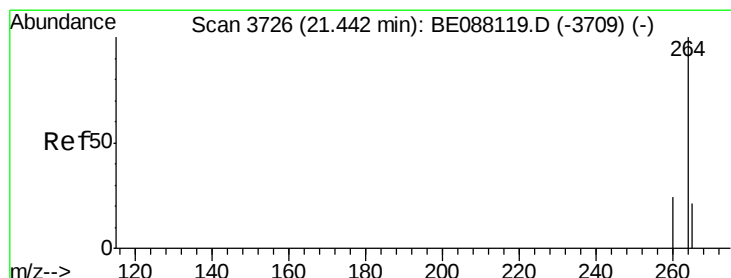
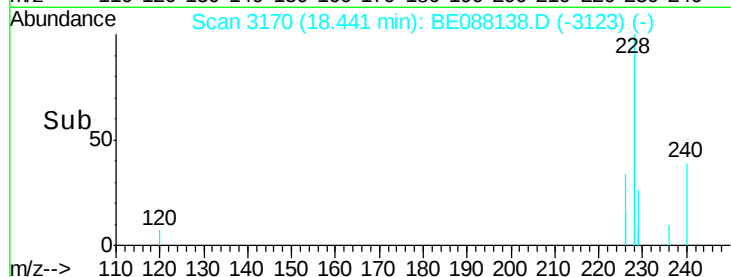
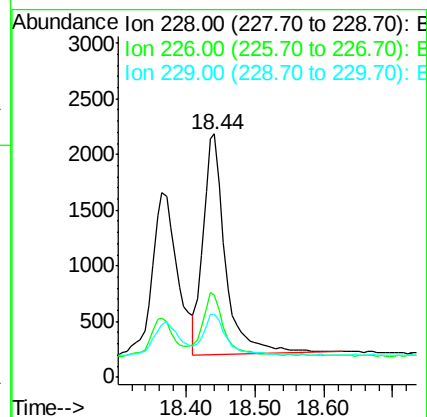
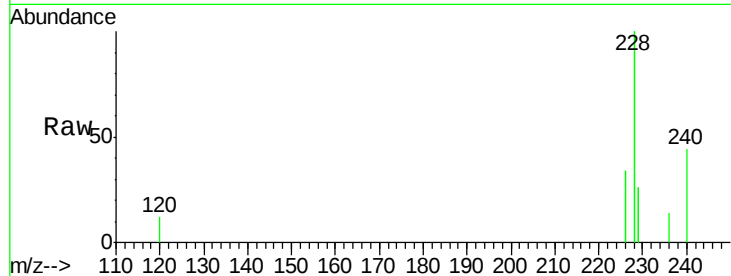
Tgt Ion:228 Resp: 4456

Ion Ratio Lower Upper

228 100

226 33.9 22.7 34.1

229 26.0 15.8 23.6#



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

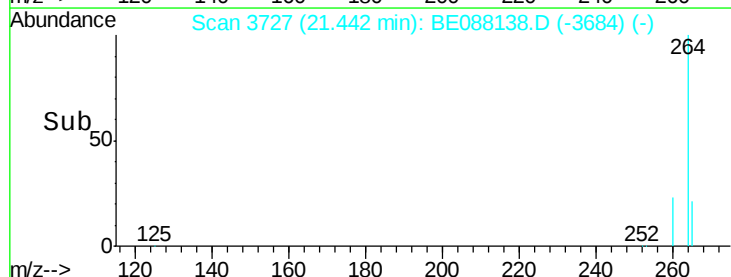
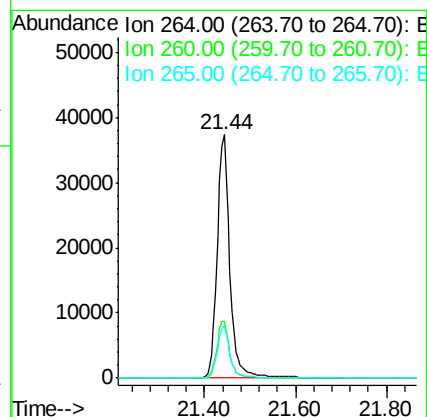
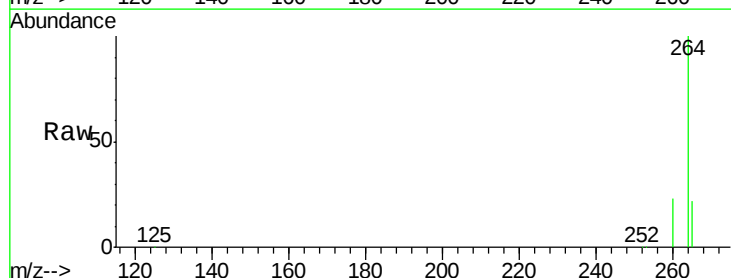
Tgt Ion:264 Resp: 71642

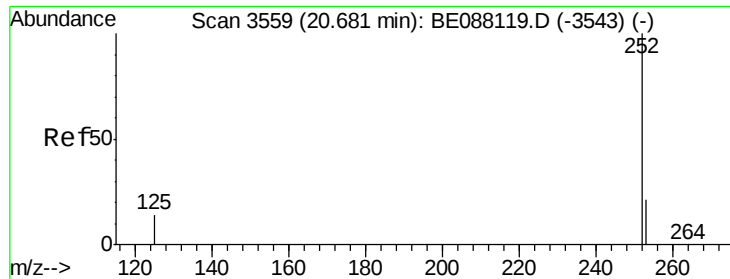
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.6 17.2 25.8





#23

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 20.68 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

Instrument :

BNA_E

ClientSampleId :

YS19-SW09-1014

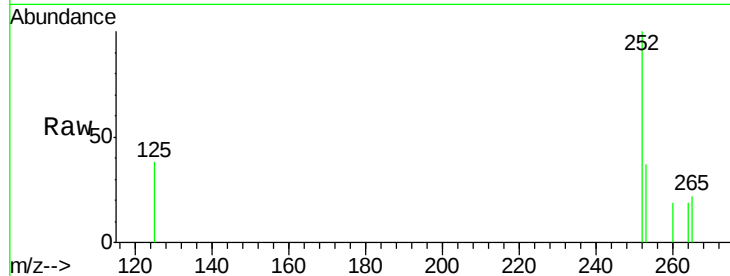
Tgt Ion: 252 Resp: 475

Ion Ratio Lower Upper

252 100

253 36.7 17.4 26.0#

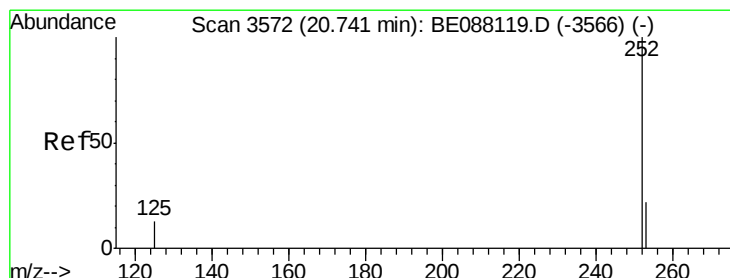
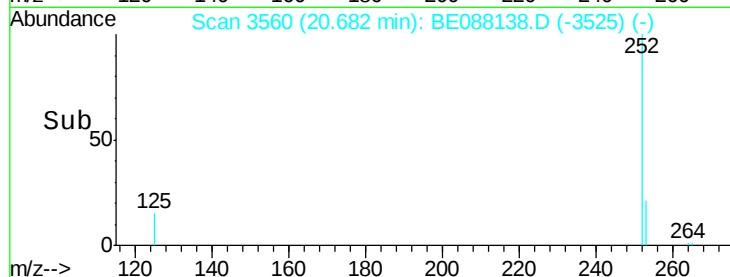
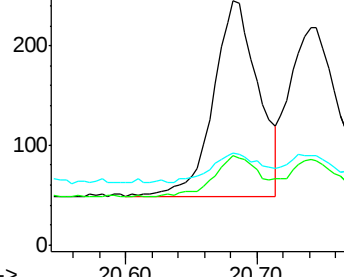
125 37.6 11.8 17.8#



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: 0.02 ng

RT: 20.74 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088138.D

Acq: 21 Oct 2014 12:28

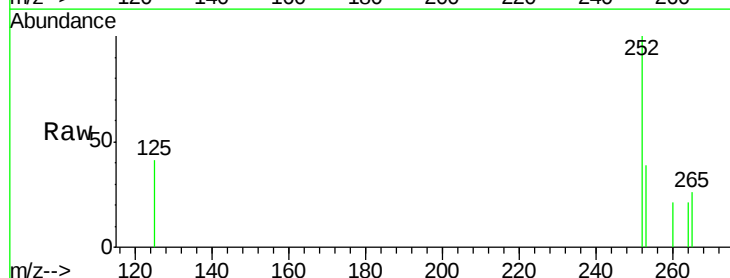
Tgt Ion: 252 Resp: 433

Ion Ratio Lower Upper

252 100

253 39.4 17.6 26.4#

125 40.8 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

