

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088148.D
 Acq On : 21 Oct 2014 18:32
 Operator : TP/JJ
 Sample : F4351-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW05-1014

Quant Time: Oct 22 04:38:17 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

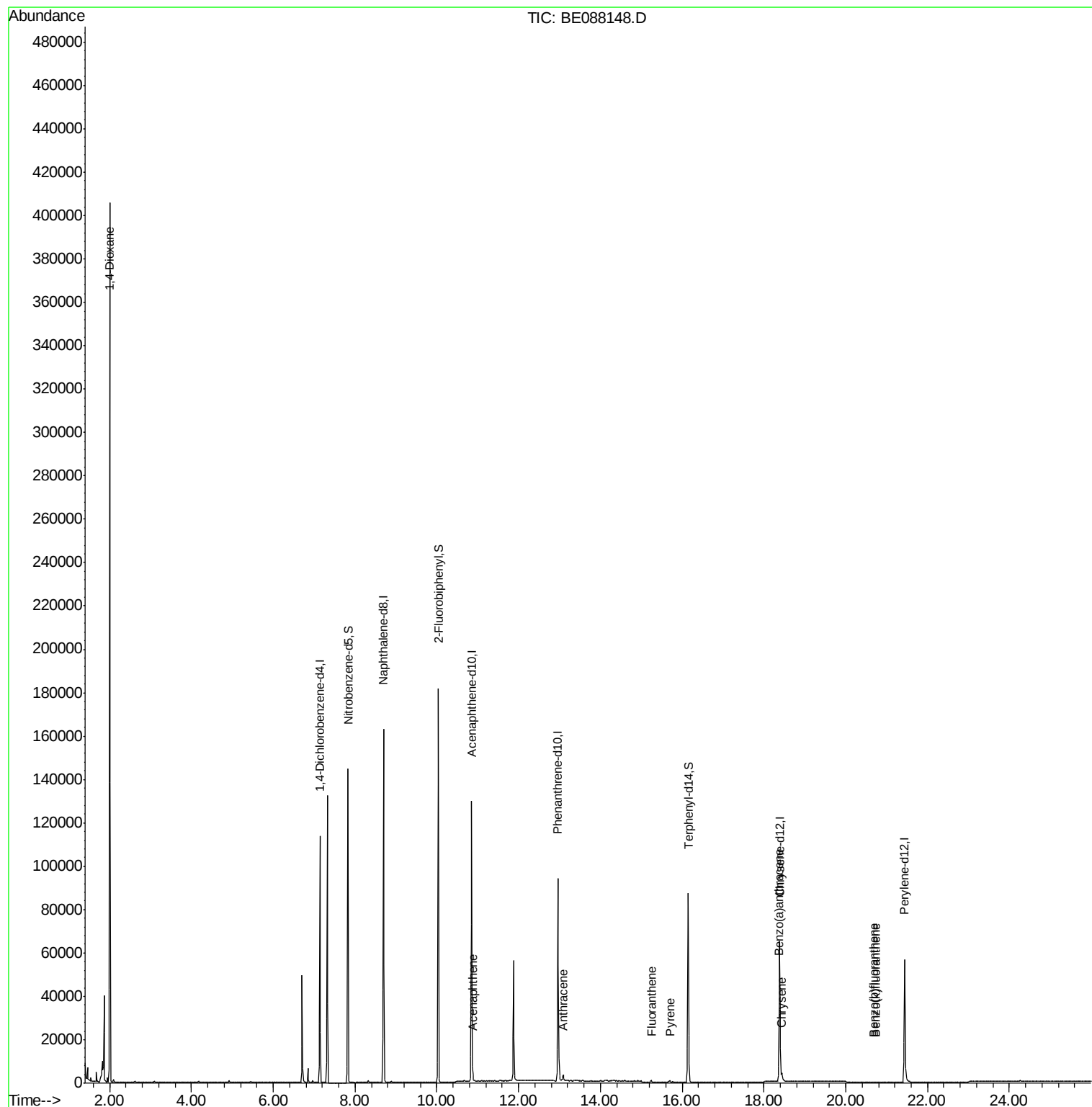
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	35951	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	133662	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	59273	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	110385	5.00	ng	0.00
16) Chrysene-d12	18.38	240	77800	5.00	ng	0.00
22) Perylene-d12	21.44	264	73263	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	71036	7.37	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	117928	7.20	ng	0.00
18) Terphenyl-d14	16.15	244	111524	8.91	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	12594	2.43	ng	# 1
10) Acenaphthene	10.88	154	327	0.02	ng	95
13) Phenanthrene	13.00	178	3543	Below Cal	#	62
14) Anthracene	13.09	178	3370	0.04	ng	95
15) Fluoranthene	15.25	202	1173	0.06	ng	97
17) Pyrene	15.70	202	1108	0.05	ng	99
19) Benzo(a)anthracene	18.36	228	4069	0.06	ng	# 85
20) Chrysene	18.44	228	4915	0.07	ng	# 87
23) Benzo(b)fluoranthene	20.68	252	495	0.03	ng	# 57
24) Benzo(k)fluoranthene	20.74	252	574	0.03	ng	# 52

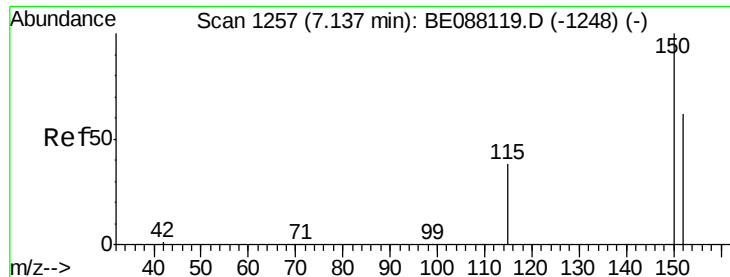
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

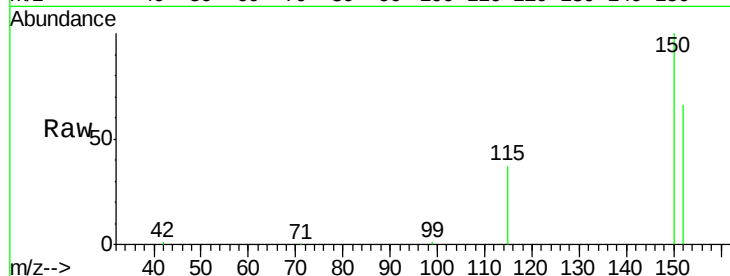
Tgt Ion:152 Resp: 35951

Ion Ratio Lower Upper

152 100

150 152.5 129.2 193.8

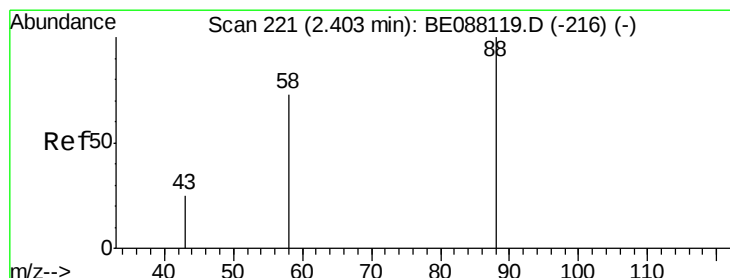
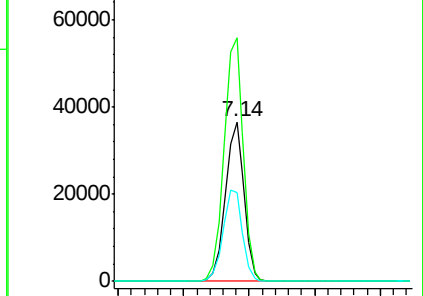
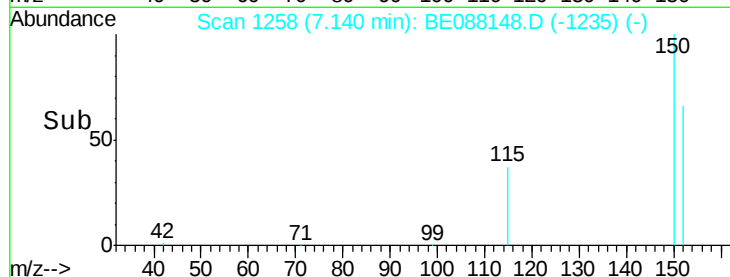
115 55.8 49.3 73.9



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: 2.43 ng

RT: 2.01 min Scan# 134

Delta R.T. -0.40 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

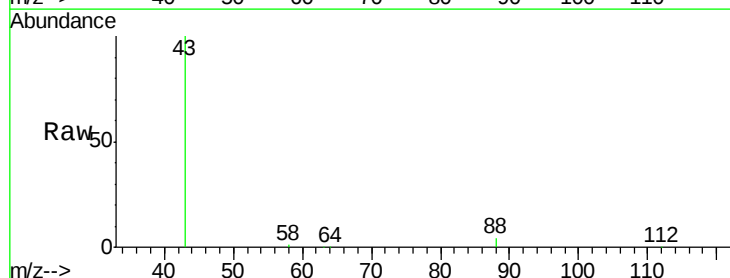
Tgt Ion: 88 Resp: 12594

Ion Ratio Lower Upper

88 100

58 27.9 59.5 89.3#

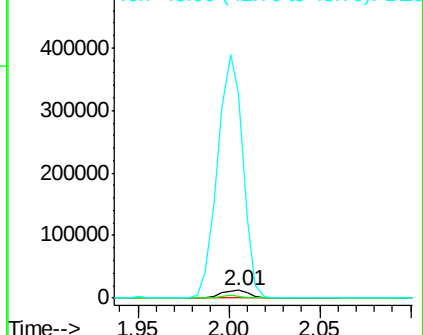
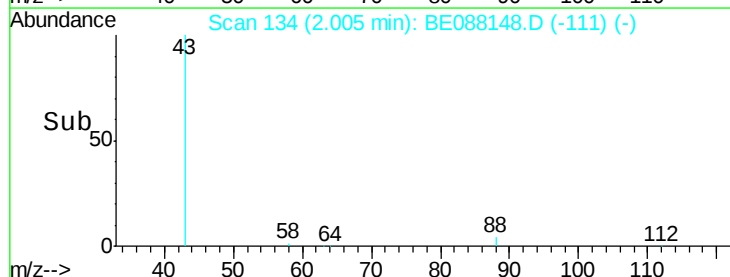
43 2976.3 21.2 31.8#

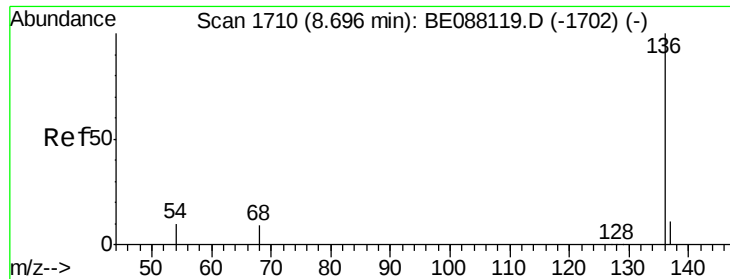


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

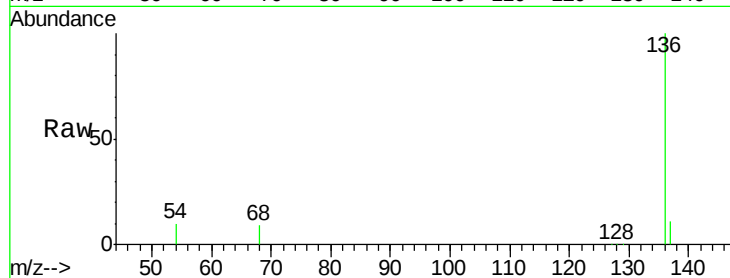
Tgt Ion: 136 Resp: 133662

Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

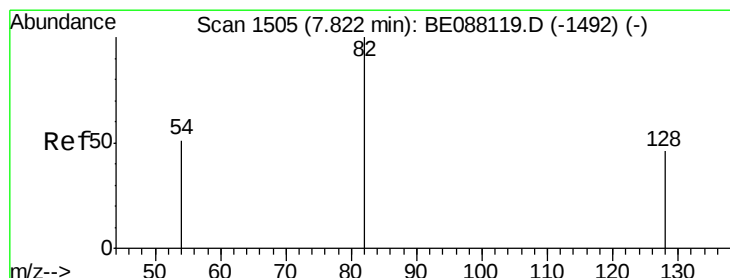
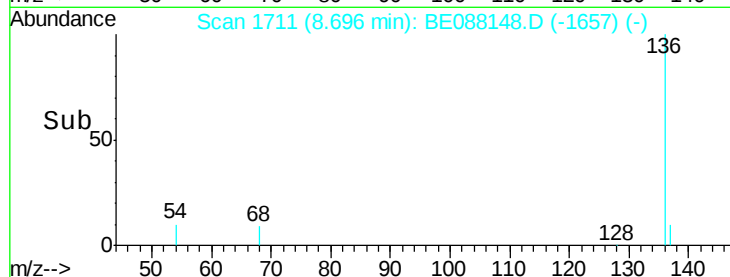
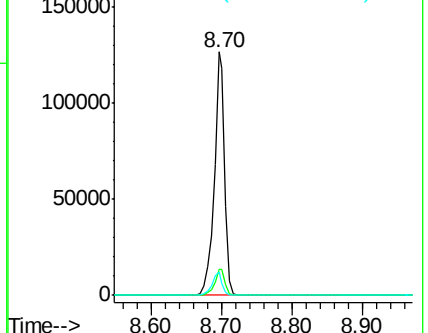
54 9.7 7.7 11.5



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: 7.37 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

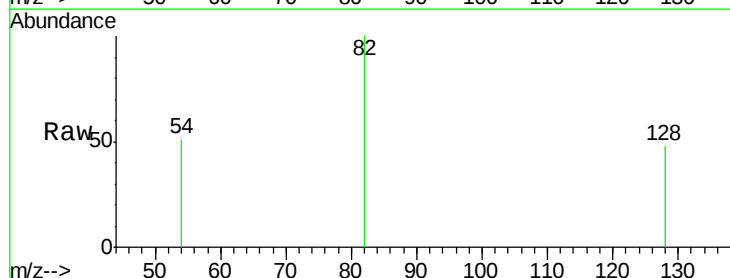
Tgt Ion: 82 Resp: 71036

Ion Ratio Lower Upper

82 100

128 47.8 37.1 55.7

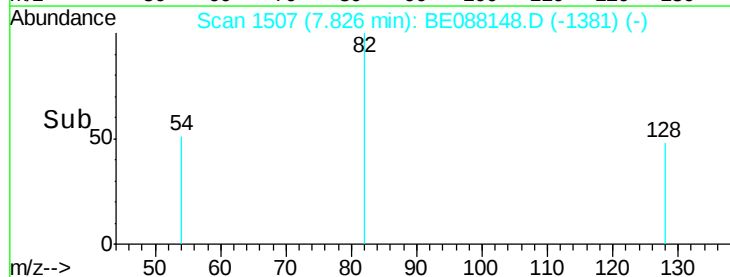
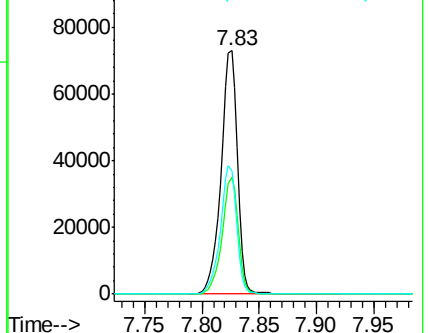
54 50.7 41.1 61.7

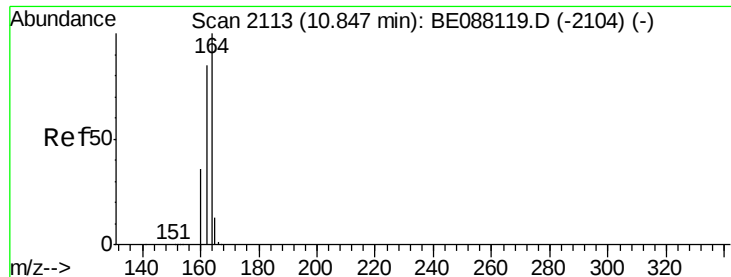


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

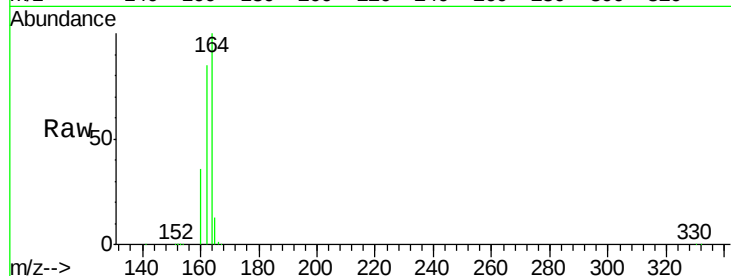
Tgt Ion:164 Resp: 59273

Ion Ratio Lower Upper

164 100

162 84.6 68.3 102.5

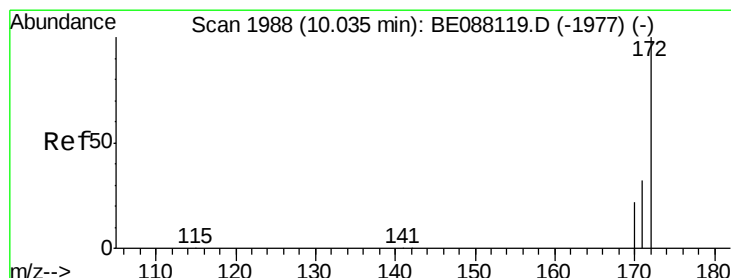
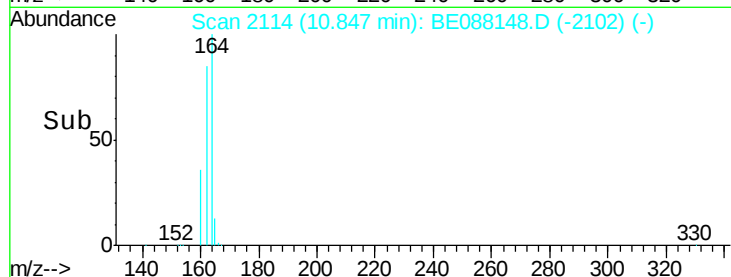
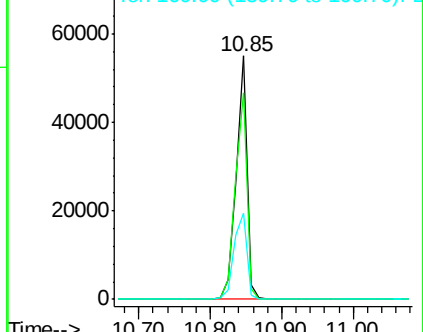
160 35.6 28.7 43.1



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: 7.20 ng

RT: 10.04 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

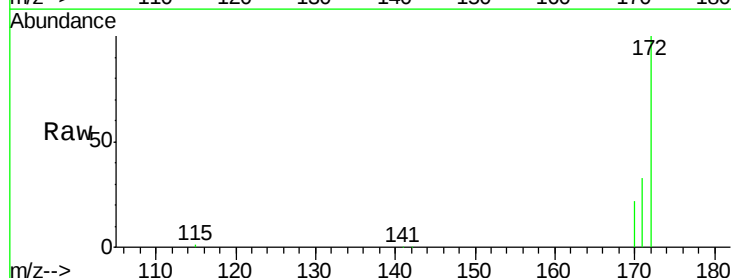
Tgt Ion:172 Resp: 117928

Ion Ratio Lower Upper

172 100

171 32.6 25.4 38.2

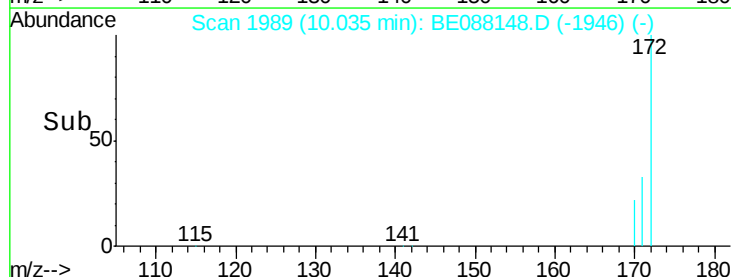
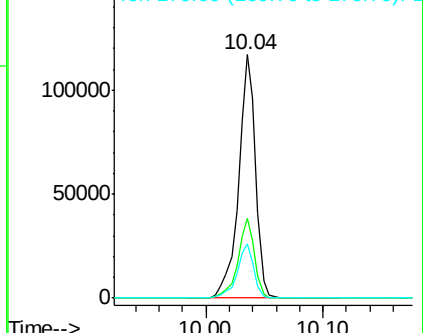
170 22.3 17.4 26.2

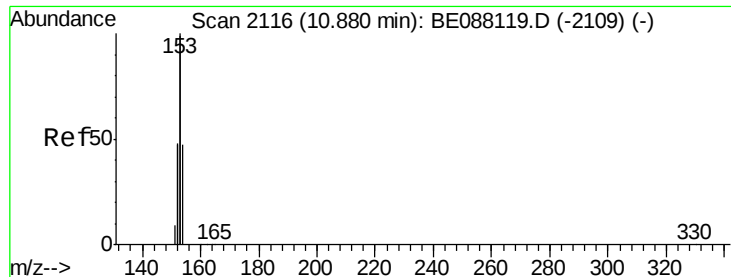


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthene

Concen: 0.02 ng

RT: 10.88 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

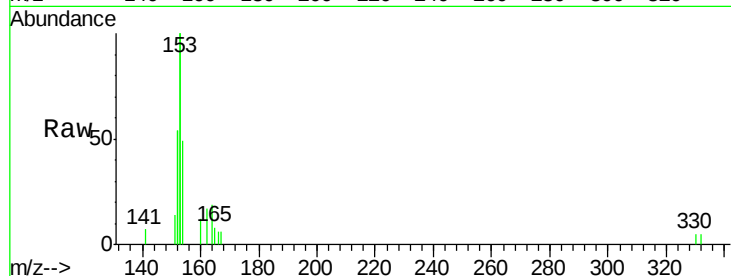
Tgt Ion:154 Resp: 327

Ion Ratio Lower Upper

154 100

153 411.3 327.8 491.6

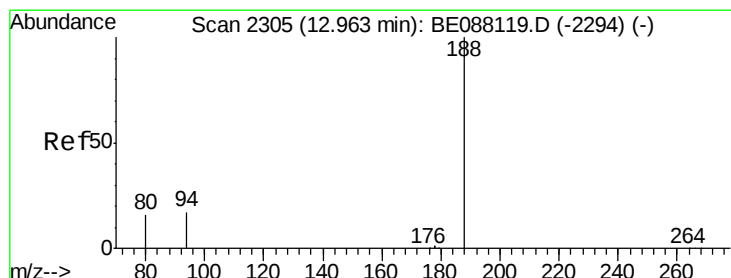
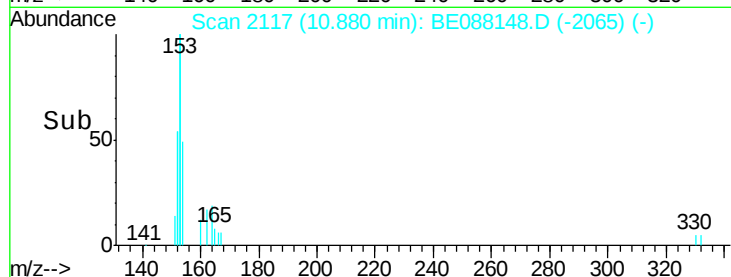
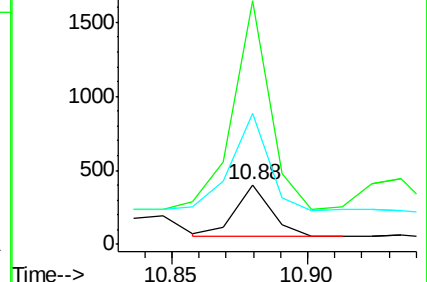
152 215.9 157.6 236.4



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



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.96 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

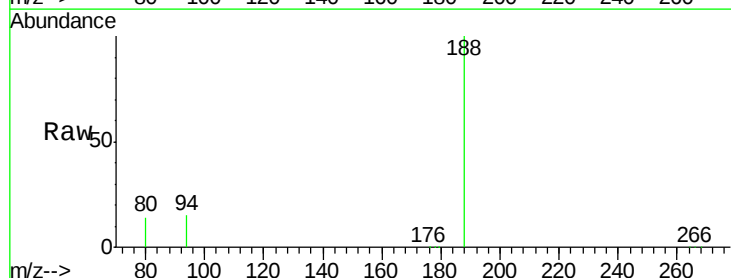
Tgt Ion:188 Resp: 110385

Ion Ratio Lower Upper

188 100

94 15.2 13.9 20.9

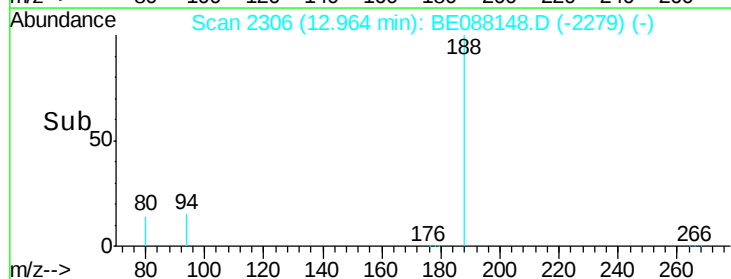
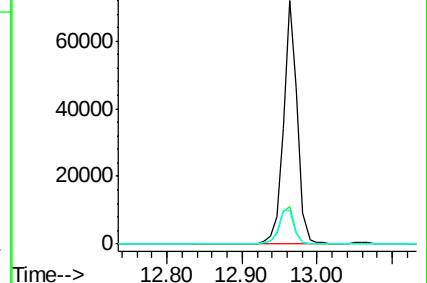
80 14.0 12.9 19.3

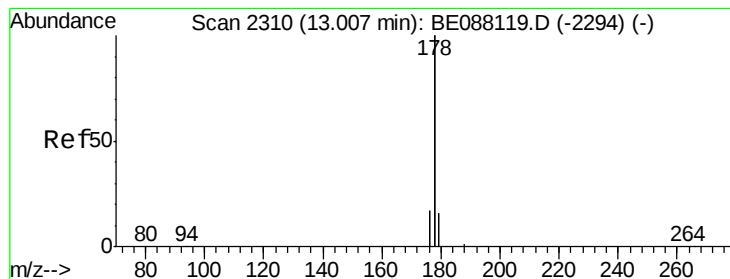


Abundance Ion 188.00 (187.70 to 188.70): E

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: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

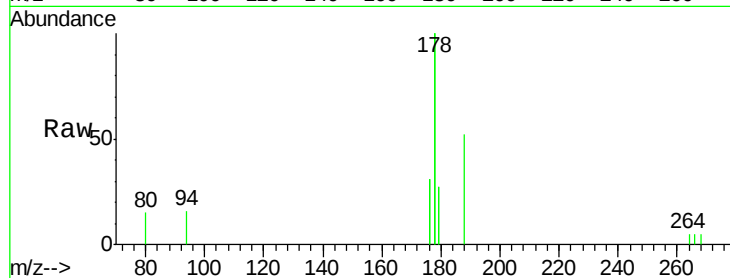
Tgt Ion:178 Resp: 3543

Ion Ratio Lower Upper

178 100

176 31.1 12.5 18.7#

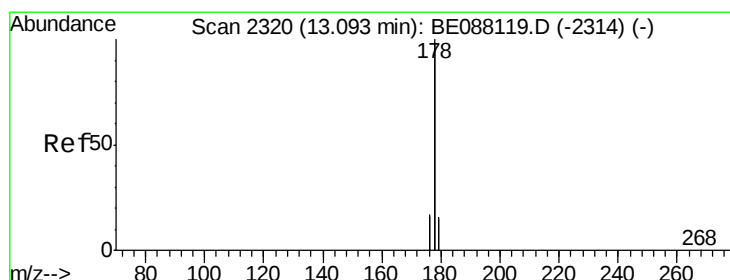
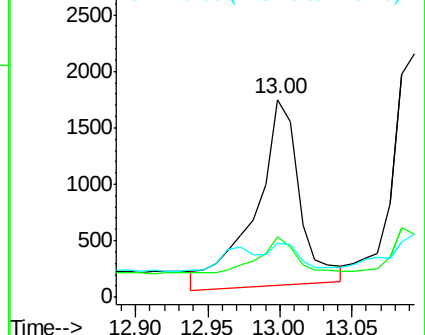
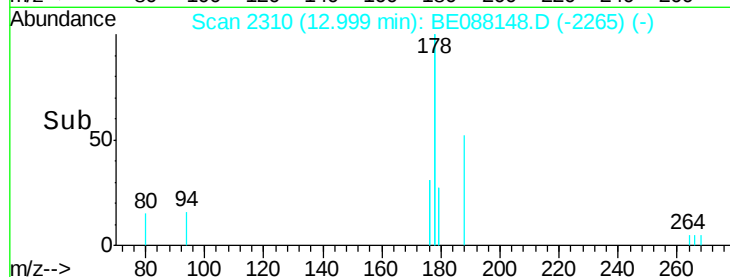
179 0.0 13.5 20.3#



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: 0.04 ng

RT: 13.09 min Scan# 2321

Delta R.T. 0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

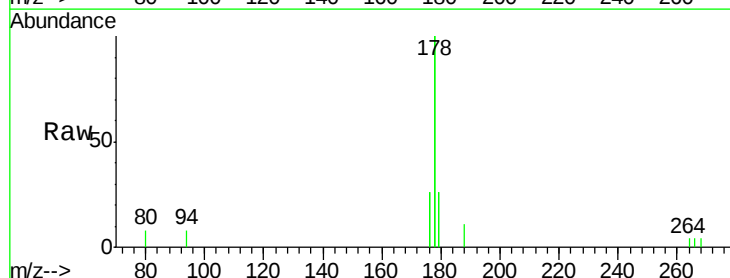
Tgt Ion:178 Resp: 3370

Ion Ratio Lower Upper

178 100

176 21.7 14.6 21.8

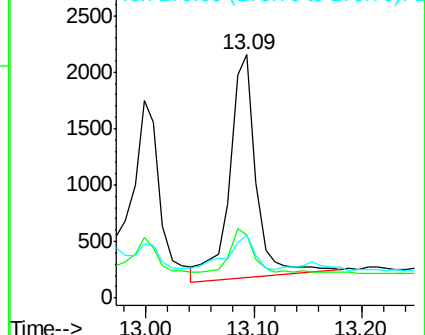
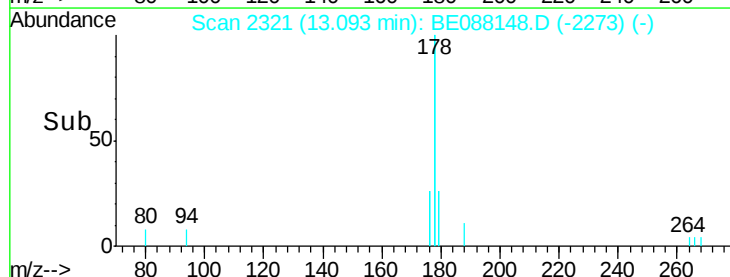
179 14.8 12.5 18.7

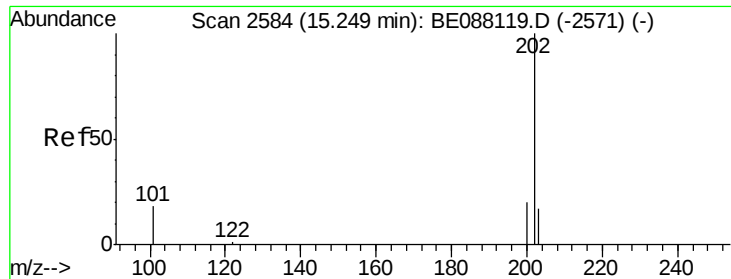


Abundance Ion 178.00 (177.70 to 178.70): E

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: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

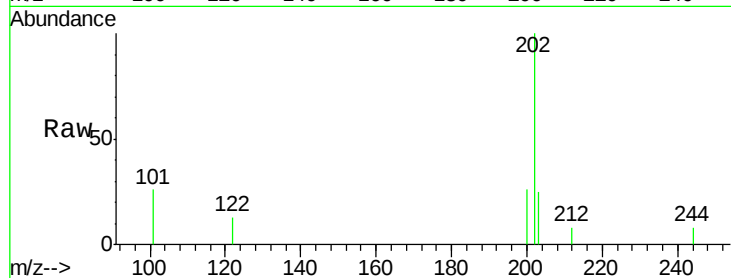
Tgt Ion: 202 Resp: 1173

Ion Ratio Lower Upper

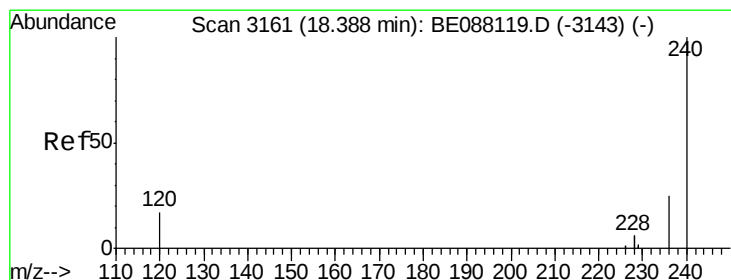
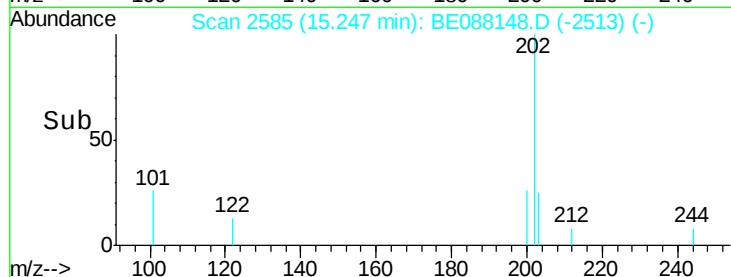
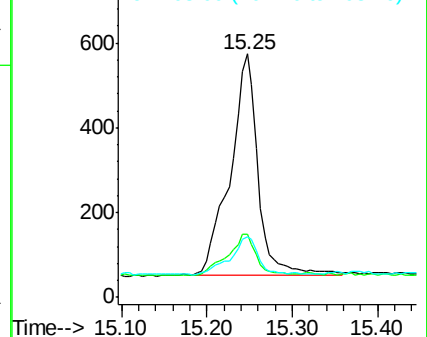
202 100

101 17.1 14.8 22.2

203 15.4 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: BE088148.D

Acq: 21 Oct 2014 18:32

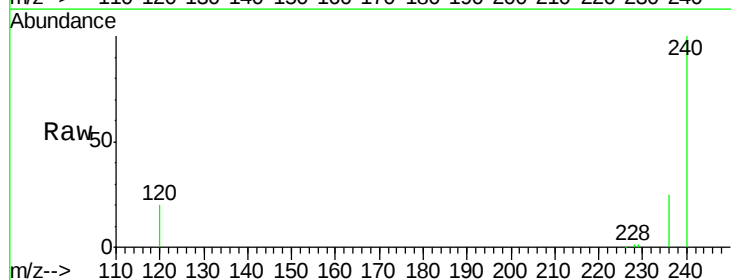
Tgt Ion: 240 Resp: 77800

Ion Ratio Lower Upper

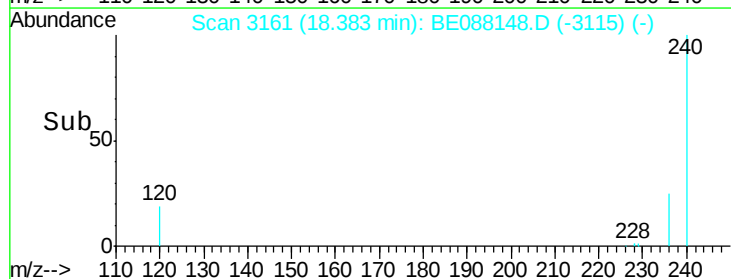
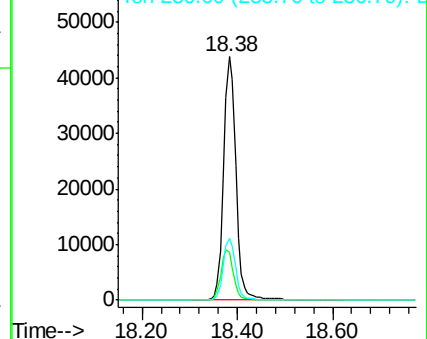
240 100

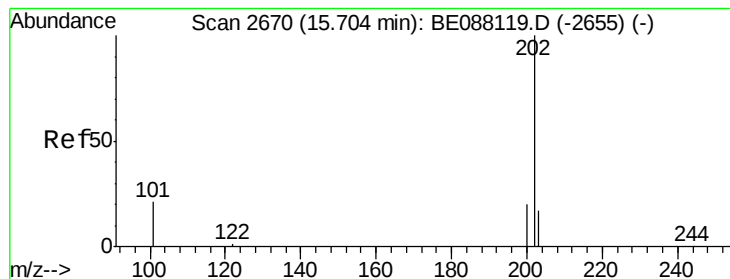
120 19.5 13.9 20.9

236 25.4 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: 0.05 ng

RT: 15.70 min Scan# 2671

Delta R.T. -0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

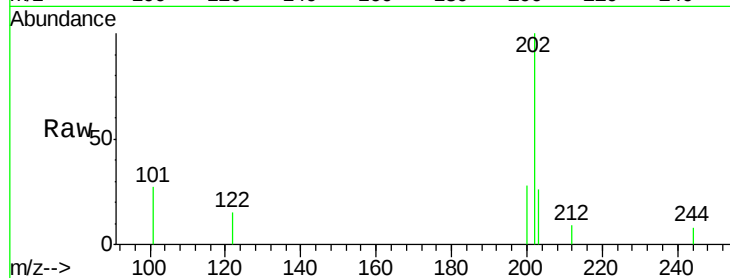
Tgt Ion: 202 Resp: 1108

Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

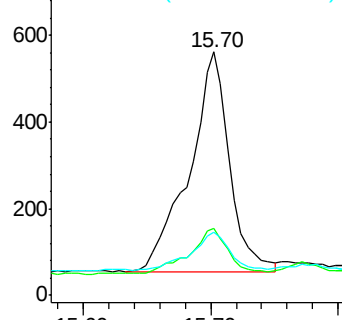
203 16.7 13.9 20.9



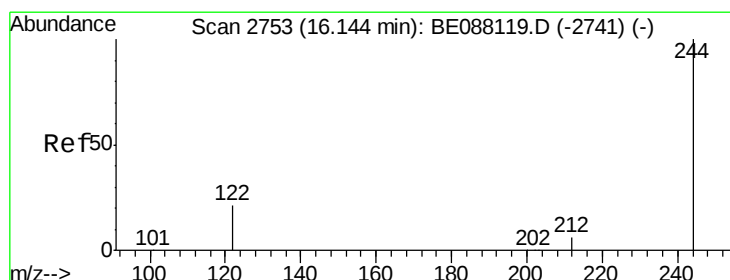
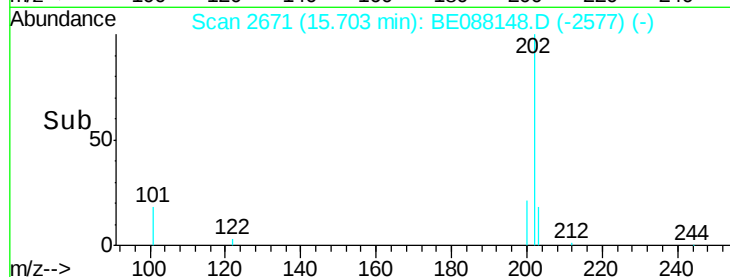
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#18

Terphenyl-d14

Concen: 8.91 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

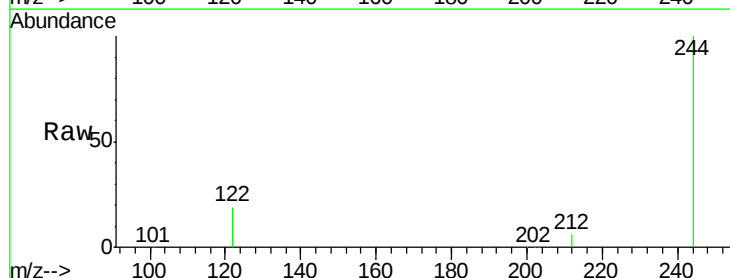
Tgt Ion: 244 Resp: 111524

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

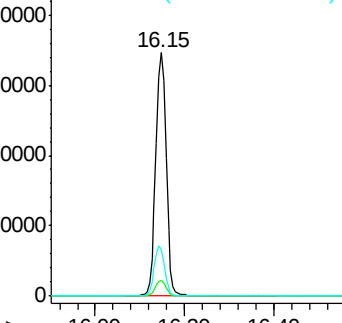
122 19.4 17.5 26.3



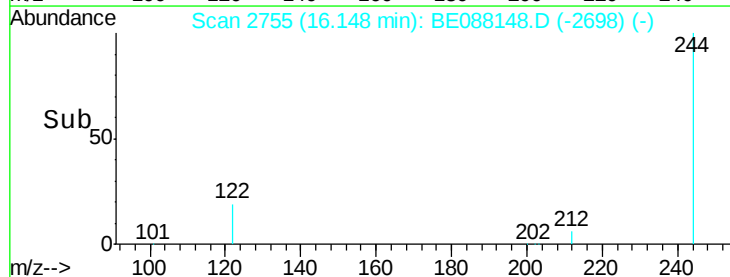
Abundance Ion 244.00 (243.70 to 244.70): E

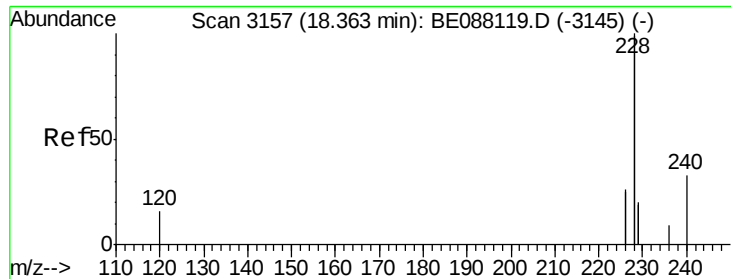
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#19

Benzo(a)anthracene

Concen: 0.06 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088148.D

Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014

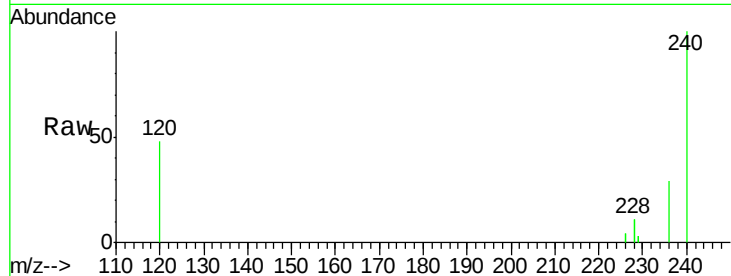
Tgt Ion:228 Resp: 4069

Ion Ratio Lower Upper

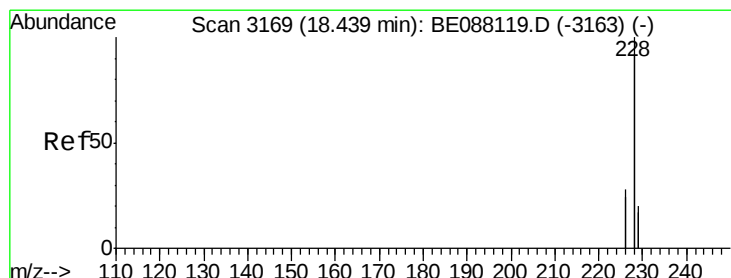
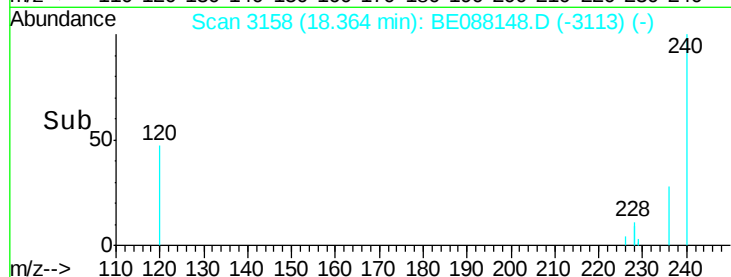
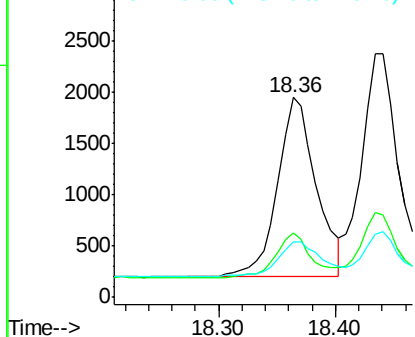
228 100

226 32.3 20.8 31.2#

229 28.1 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: BE088148.D

Acq: 21 Oct 2014 18:32

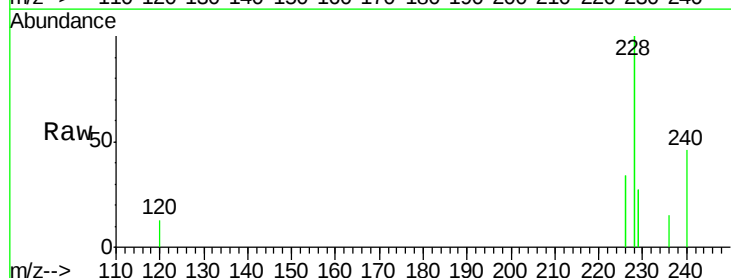
Tgt Ion:228 Resp: 4915

Ion Ratio Lower Upper

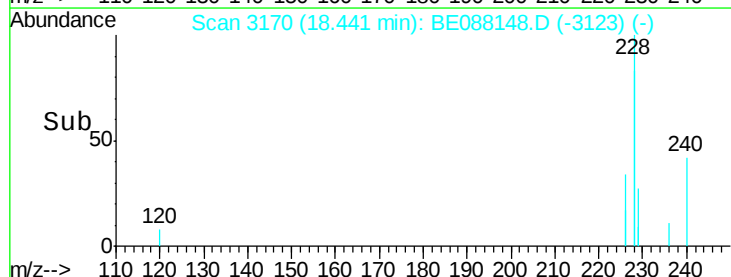
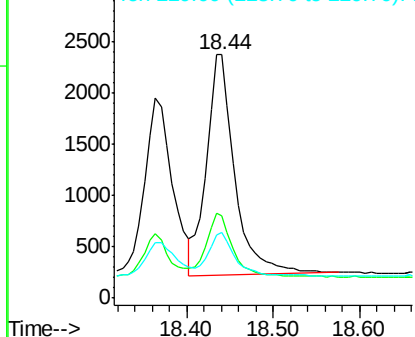
228 100

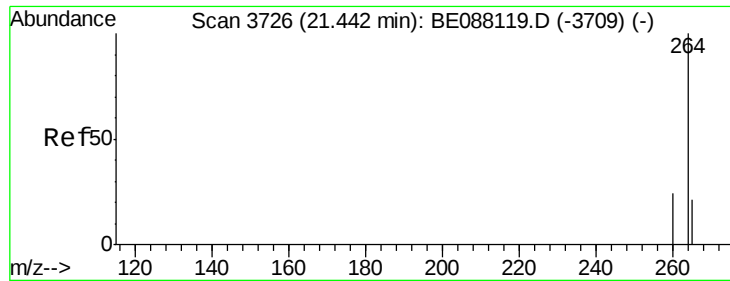
226 33.6 22.7 34.1

229 27.2 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



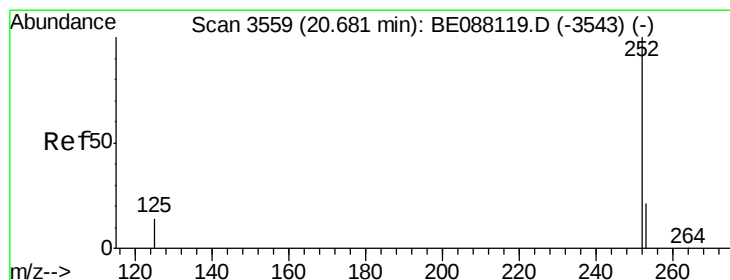
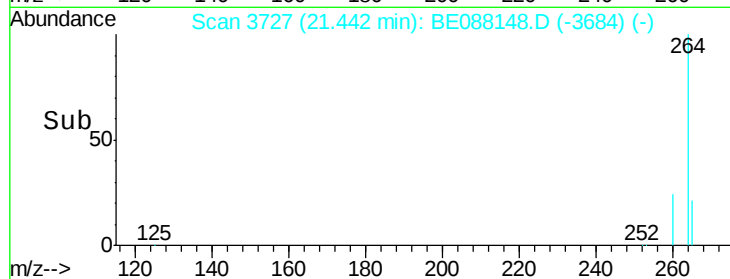
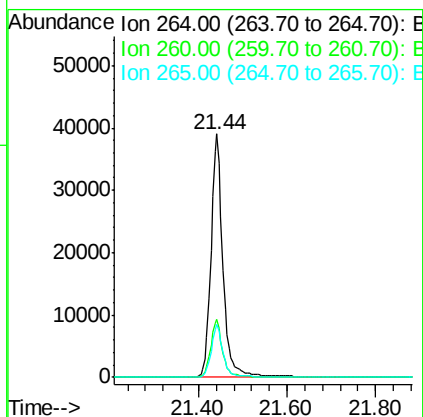
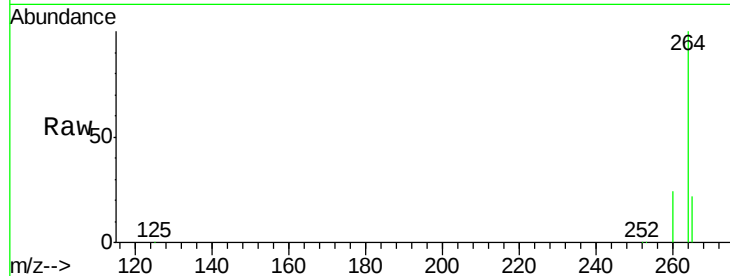


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. -0.00 min
Lab File: BE088148.D
Acq: 21 Oct 2014 18:32

Instrument :
BNA_E
ClientSampleId :
YS19-SW05-1014

Tgt Ion: 264 Resp: 73263

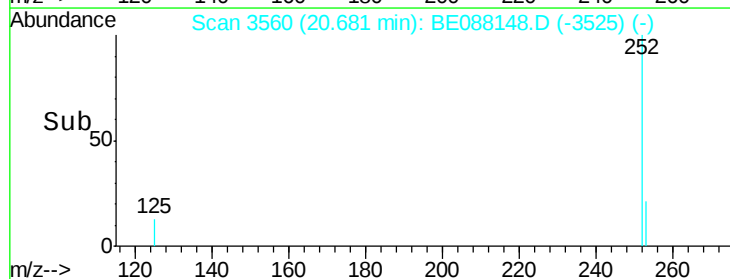
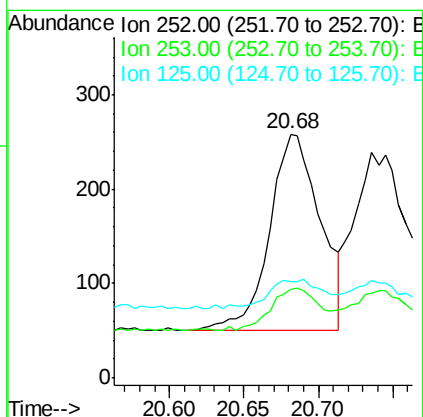
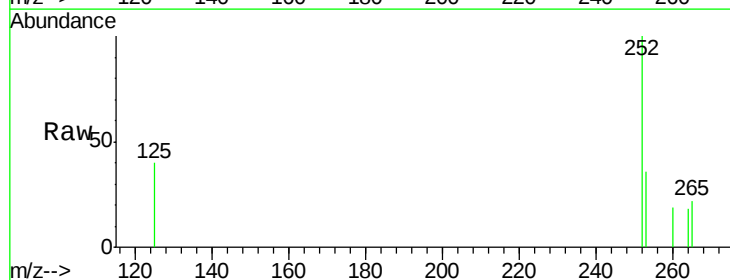
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.6	17.2	25.8

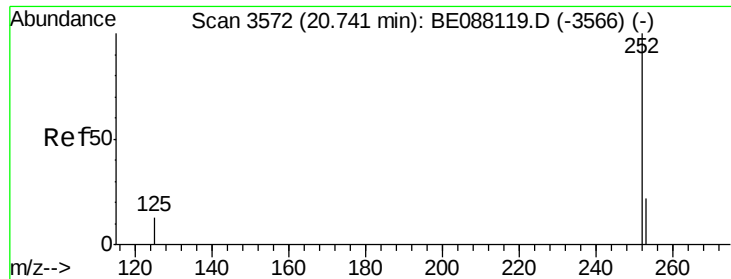


#23
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 20.68 min Scan# 3560
Delta R.T. -0.00 min
Lab File: BE088148.D
Acq: 21 Oct 2014 18:32

Tgt Ion: 252 Resp: 495

Ion	Ratio	Lower	Upper
252	100		
253	36.4	17.4	26.0#
125	39.5	11.8	17.8#





#24

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 20.74 min Scan# 3572

Delta R.T. -0.00 min

Lab File: BE088148.D

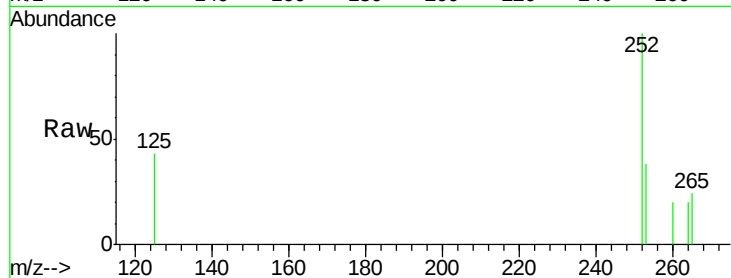
Acq: 21 Oct 2014 18:32

Instrument :

BNA_E

ClientSampleId :

YS19-SW05-1014



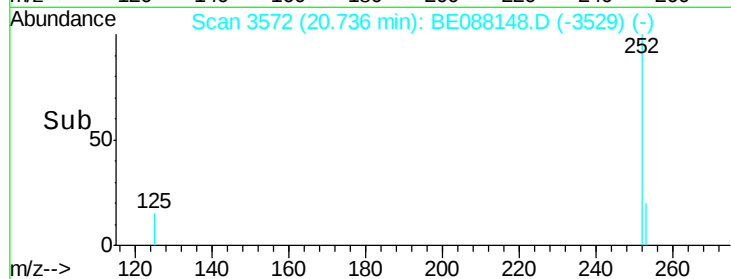
Tgt Ion: 252 Resp: 574

Ion Ratio Lower Upper

252 100

253 37.7 17.6 26.4#

125 43.1 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

