

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
 Data File : BE088139.D
 Acq On : 21 Oct 2014 13:01
 Operator : TP/JJ
 Sample : F4351-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101614-SW

Quant Time: Oct 21 15:14:20 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

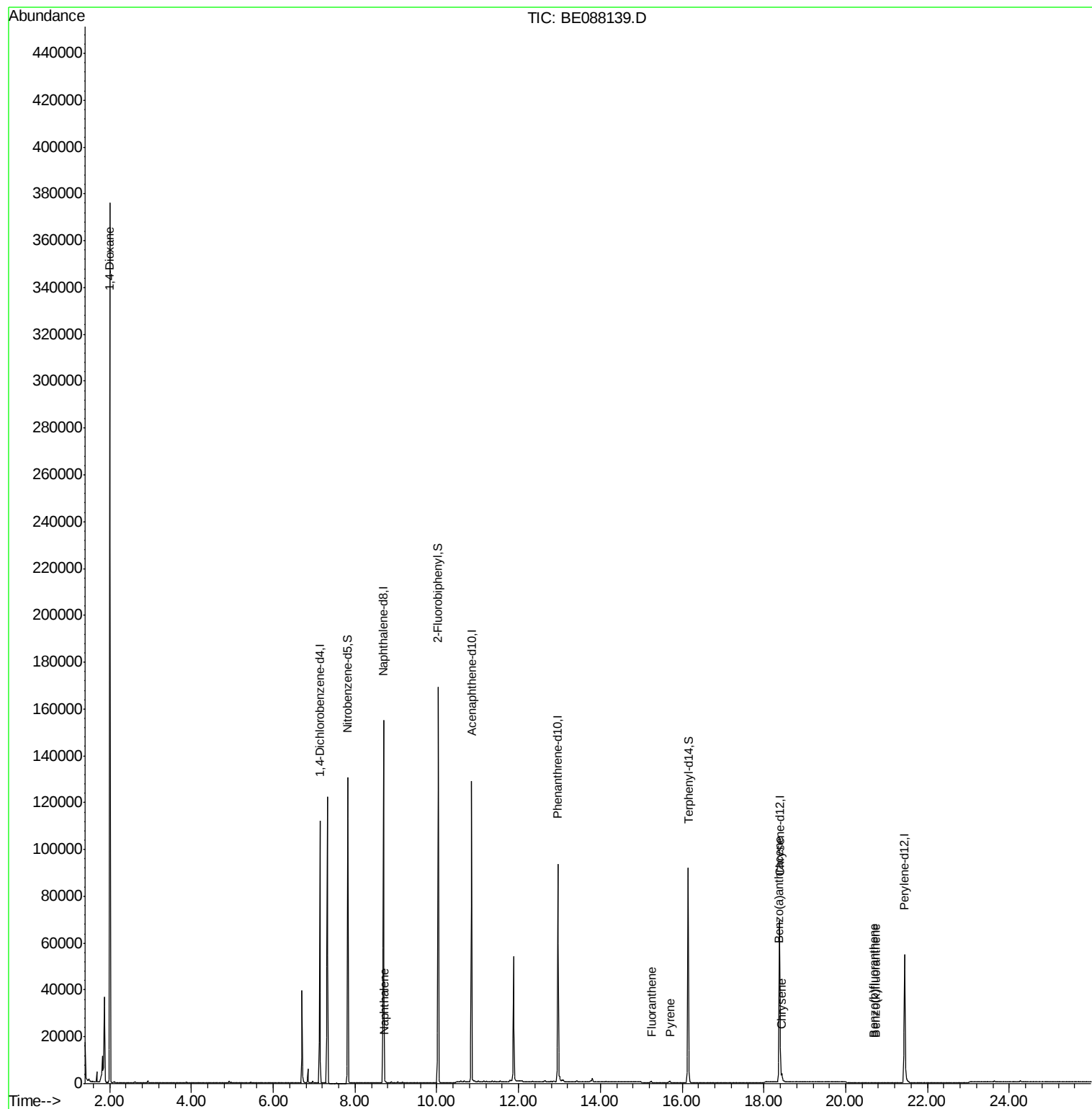
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	35380	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	132437	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	61002	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	112969	5.00	ng	0.00
16) Chrysene-d12	18.38	240	80670	5.00	ng	0.00
22) Perylene-d12	21.44	264	74892	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	65022	6.81	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	113901	6.76	ng	0.00
18) Terphenyl-d14	16.14	244	118471	9.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.00	88	11815	2.32	ng	# 1
5) Naphthalene	8.72	128	549	0.02	ng	# 81
13) Phenanthrene	13.00	178	3589	Below Cal		# 74
15) Fluoranthene	15.24	202	1185	0.06	ng	98
17) Pyrene	15.70	202	1196	0.05	ng	99
19) Benzo(a)anthracene	18.36	228	3725	0.05	ng	# 85
20) Chrysene	18.43	228	4469	0.06	ng	# 87
23) Benzo(b)fluoranthene	20.68	252	458	0.03	ng	# 62
24) Benzo(k)fluoranthene	20.74	252	460	0.02	ng	# 59

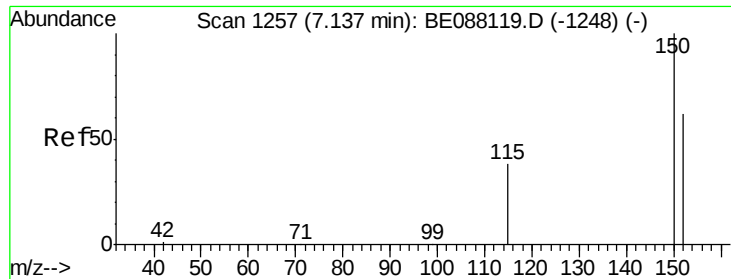
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088139.D

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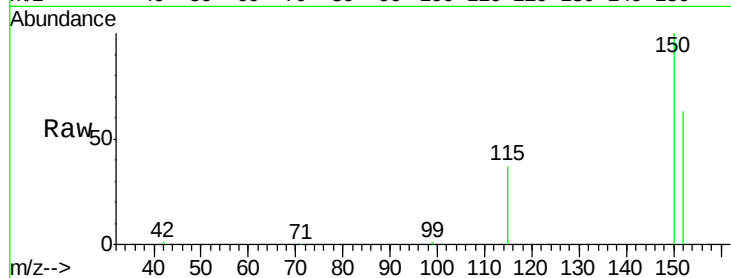
Tgt Ion:152 Resp: 35380

Ion Ratio Lower Upper

152 100

150 158.5 129.2 193.8

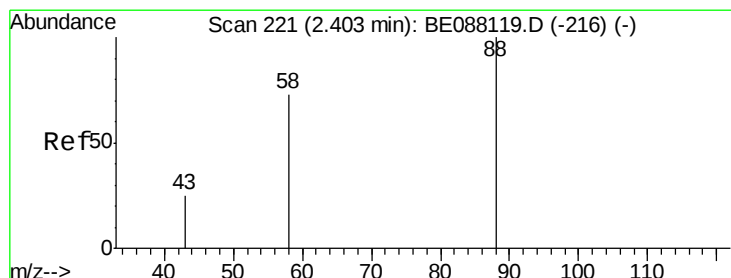
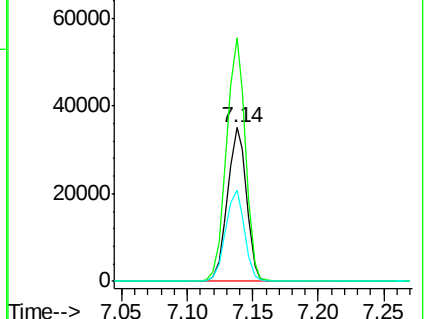
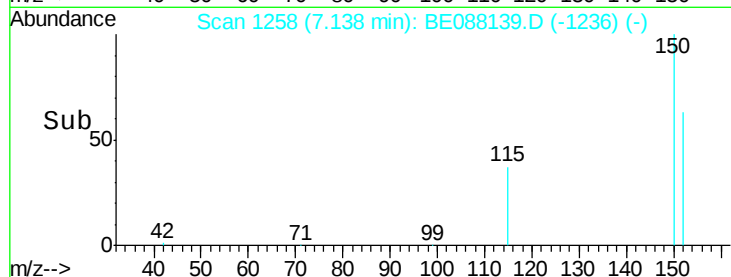
115 59.3 49.3 73.9



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: 2.32 ng

RT: 2.00 min Scan# 134

Delta R.T. -0.40 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

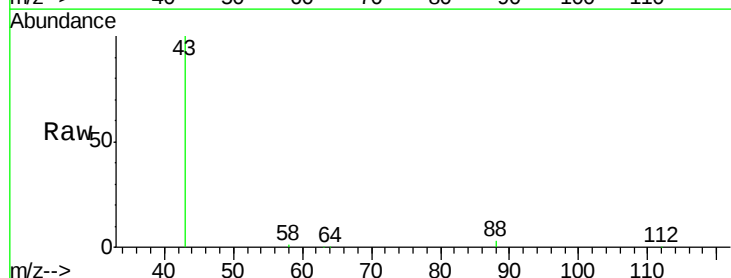
Tgt Ion: 88 Resp: 11815

Ion Ratio Lower Upper

88 100

58 27.3 59.5 89.3#

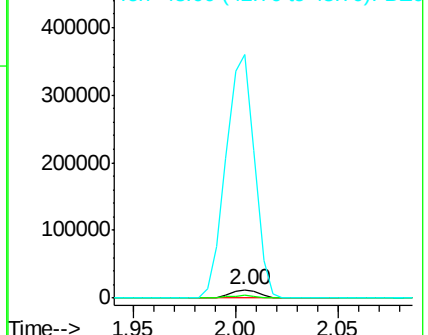
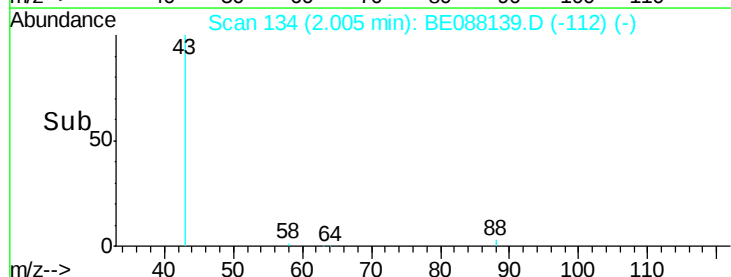
43 2942.6 21.2 31.8#

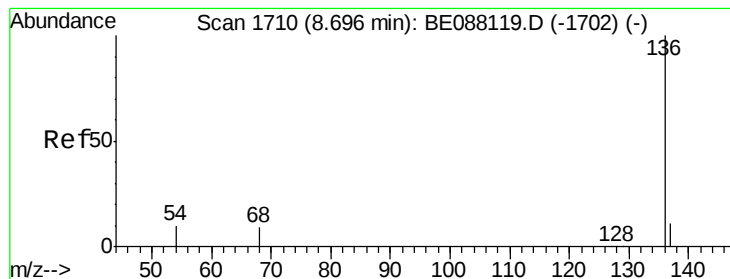


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

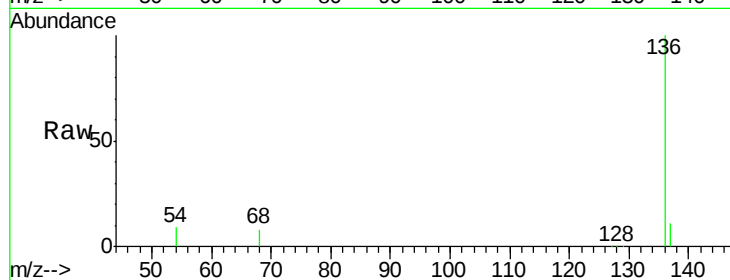
Tgt Ion: 136 Resp: 132437

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

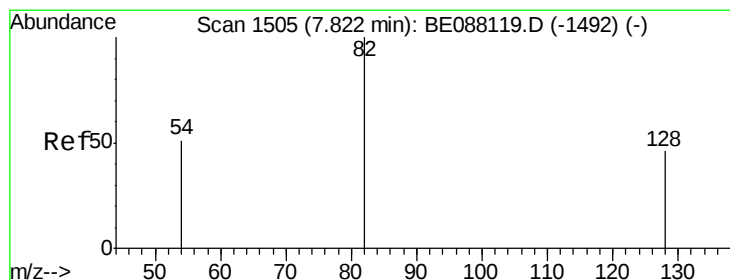
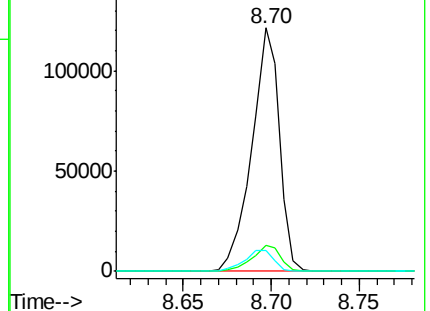
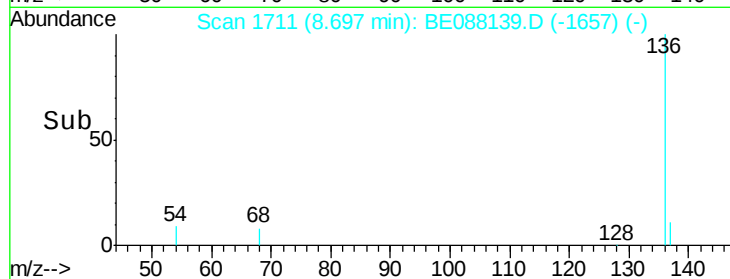
54 8.8 7.7 11.5



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: 6.81 ng

RT: 7.82 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

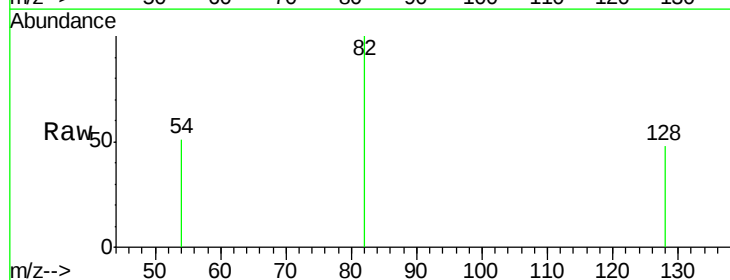
Tgt Ion: 82 Resp: 65022

Ion Ratio Lower Upper

82 100

128 48.5 37.1 55.7

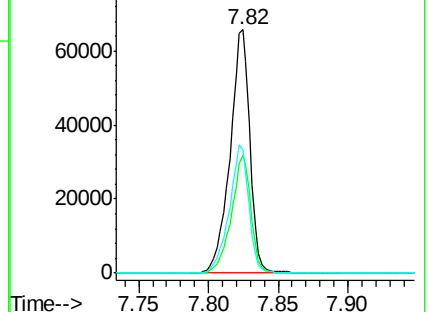
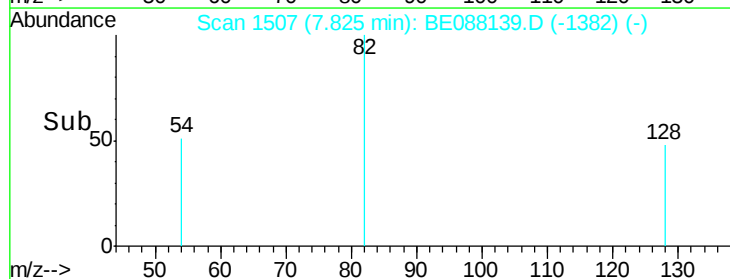
54 50.7 41.1 61.7



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





#5

Naphthalene

Concen: 0.02 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

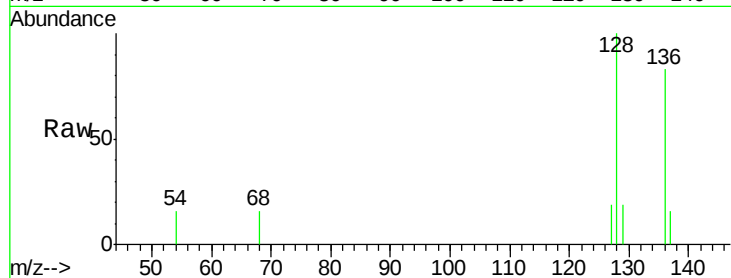
Tgt Ion:128 Resp: 549

Ion Ratio Lower Upper

128 100

129 19.0 8.9 13.3#

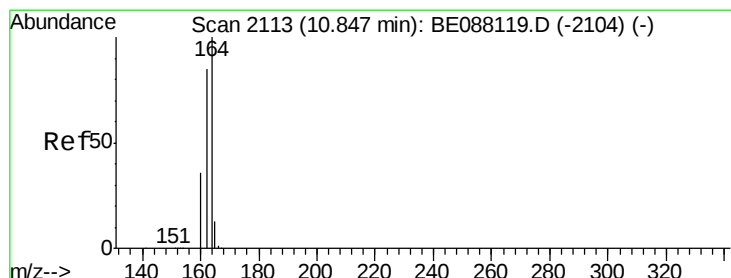
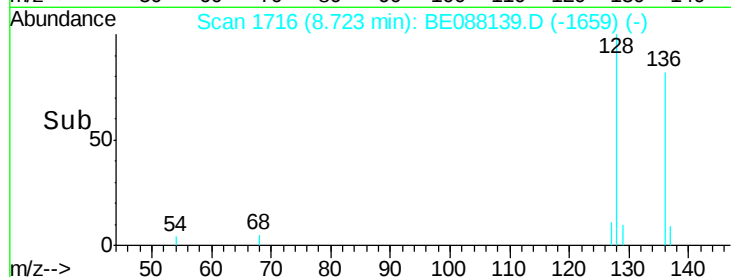
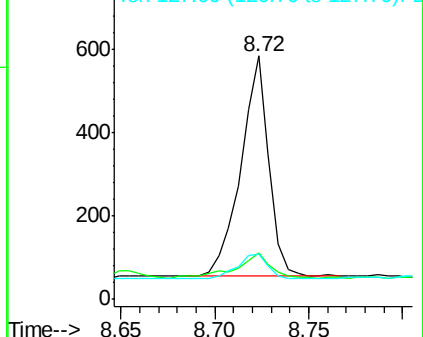
127 18.6 9.7 14.5#



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



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

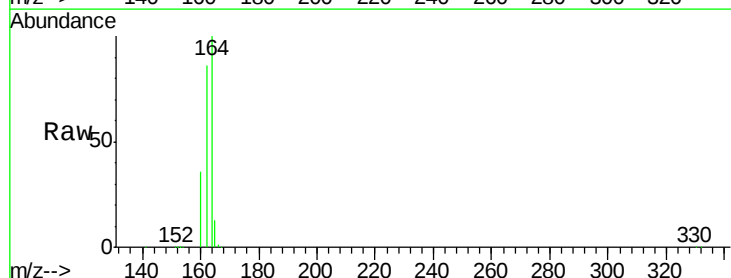
Tgt Ion:164 Resp: 61002

Ion Ratio Lower Upper

164 100

162 85.6 68.3 102.5

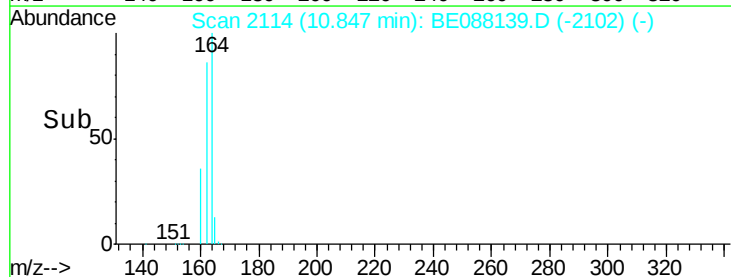
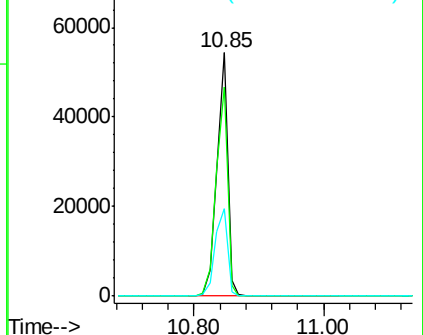
160 36.1 28.7 43.1

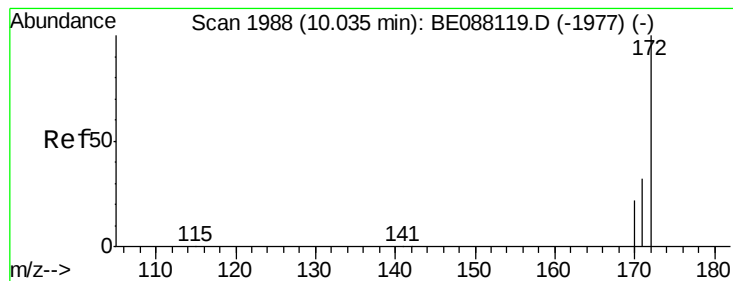


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#8

2-Fluorobiphenyl

Concen: 6.76 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

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ClientSampleId :

YS19-EB01-101614-SW

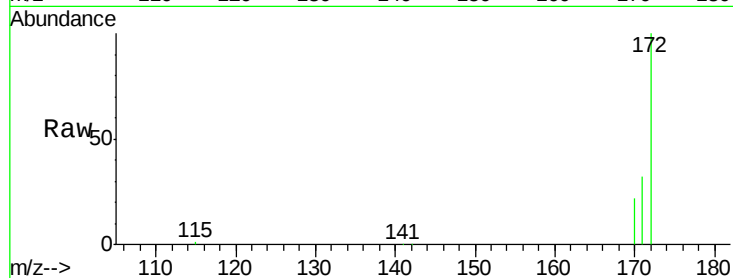
Tgt Ion:172 Resp: 113901

Ion Ratio Lower Upper

172 100

171 32.3 25.4 38.2

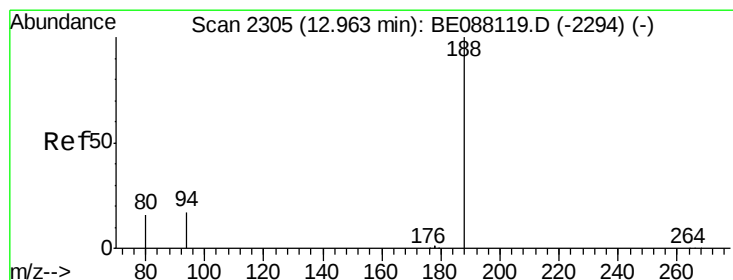
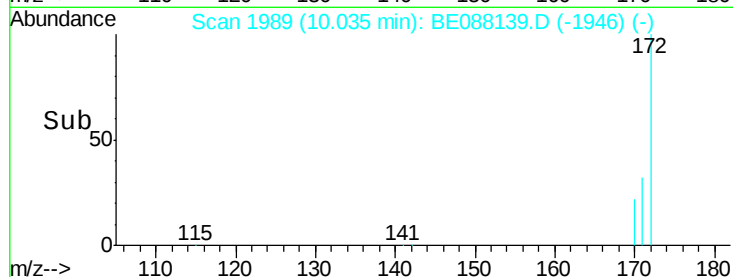
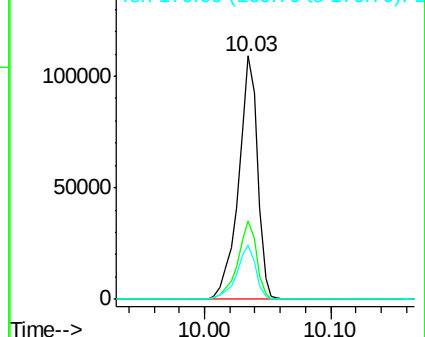
170 22.2 17.4 26.2



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: BE088139.D

Acq: 21 Oct 2014 13:01

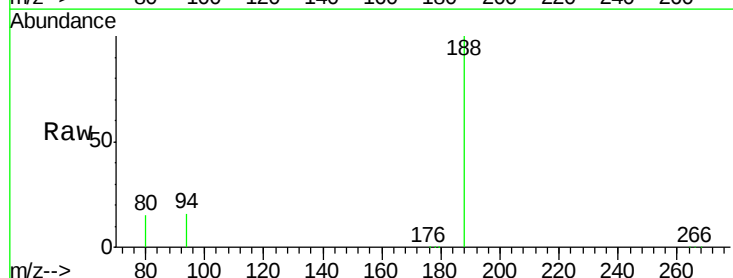
Tgt Ion:188 Resp: 112969

Ion Ratio Lower Upper

188 100

94 16.0 13.9 20.9

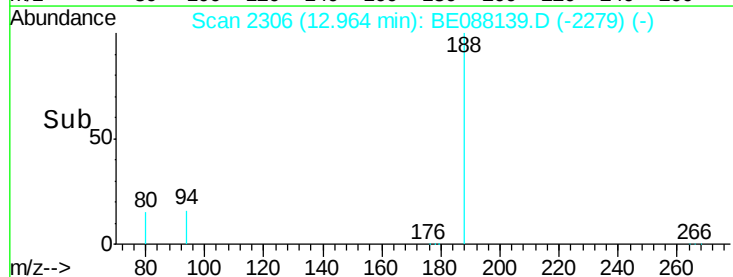
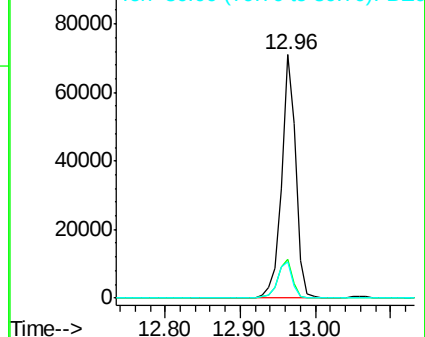
80 14.6 12.9 19.3

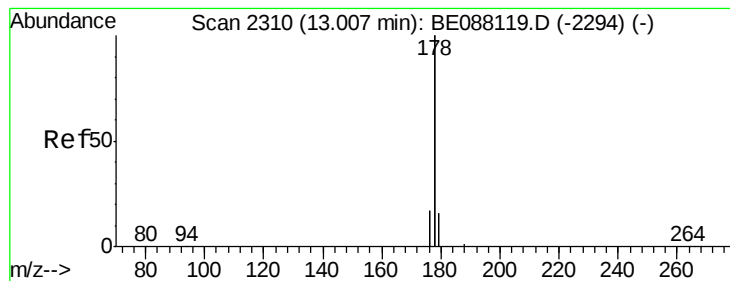


Abundance Ion 188.00 (187.70 to 188.70): E

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: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

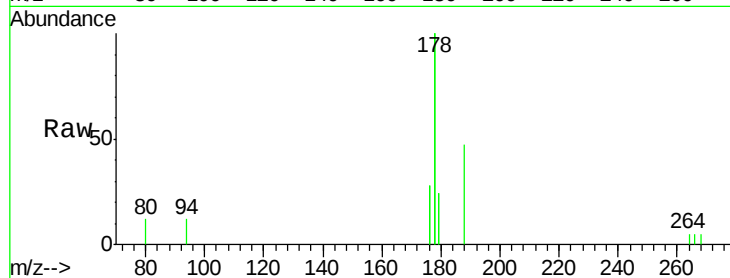
Tgt Ion:178 Resp: 3589

Ion Ratio Lower Upper

178 100

176 20.5 12.5 18.7#

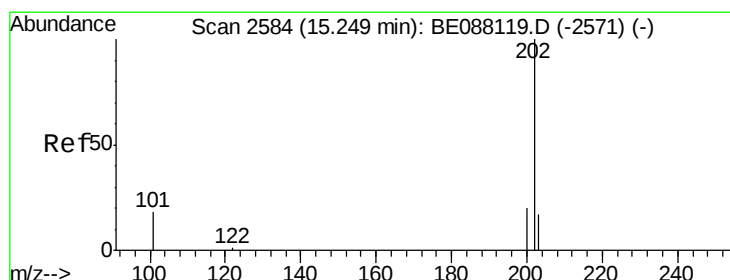
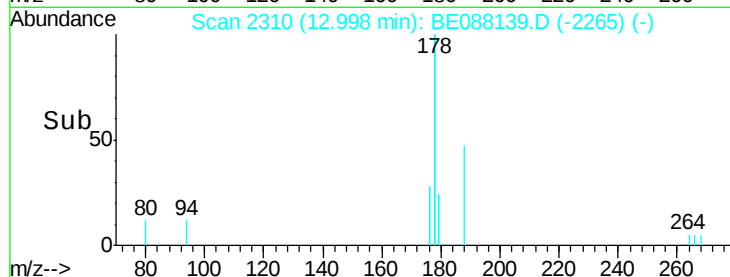
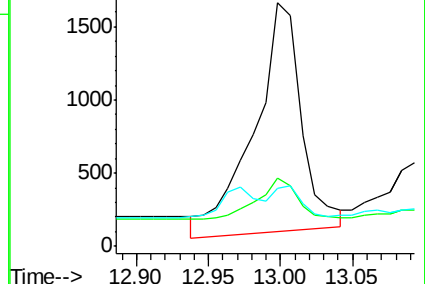
179 0.0 13.5 20.3#



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



#15

Fluoranthene

Concen: 0.06 ng

RT: 15.24 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

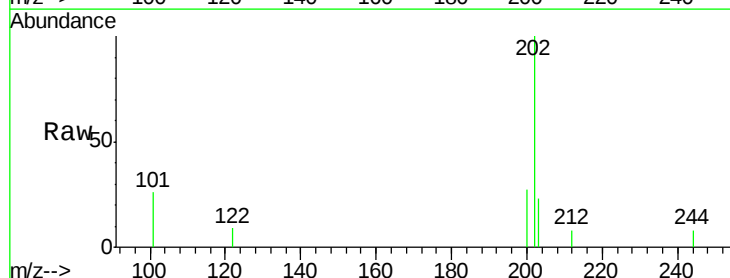
Tgt Ion:202 Resp: 1185

Ion Ratio Lower Upper

202 100

101 17.2 14.8 22.2

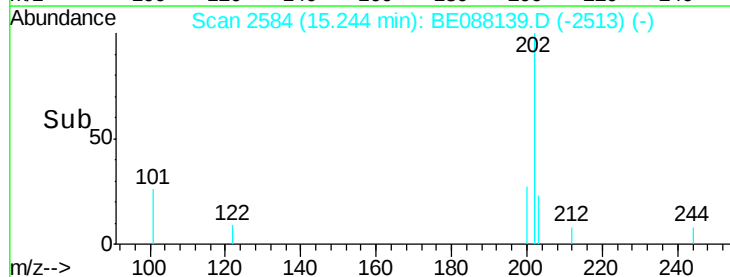
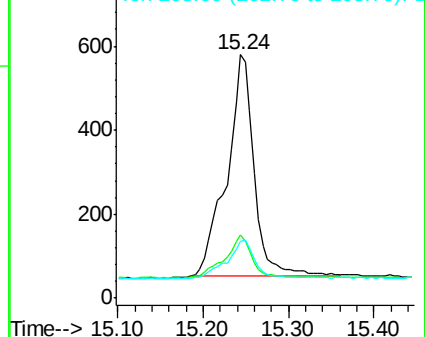
203 16.4 13.5 20.3

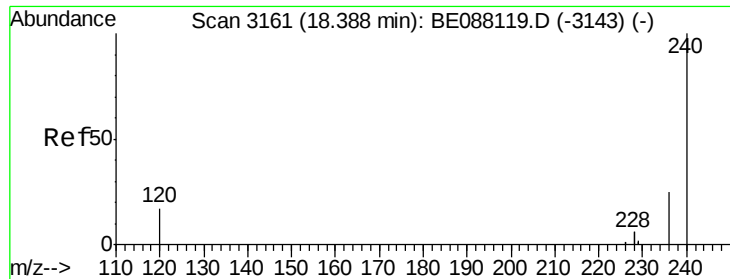


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

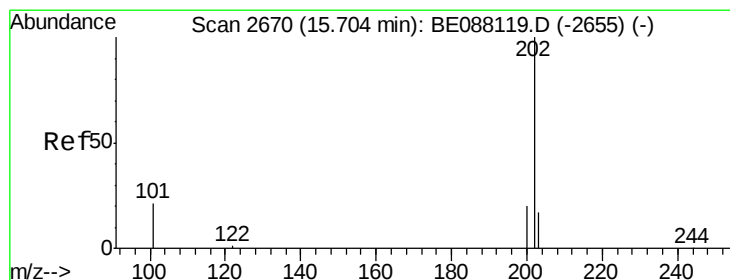
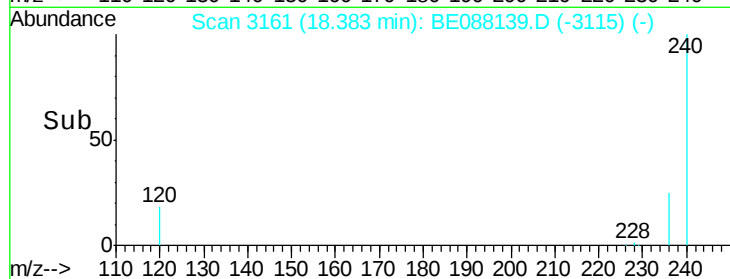
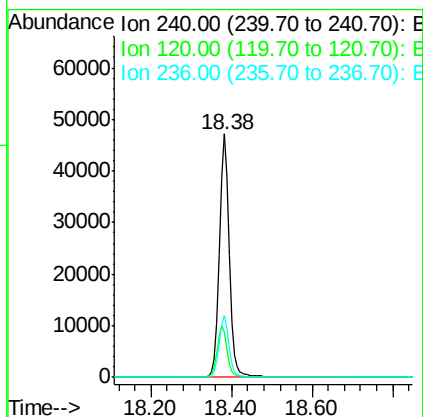
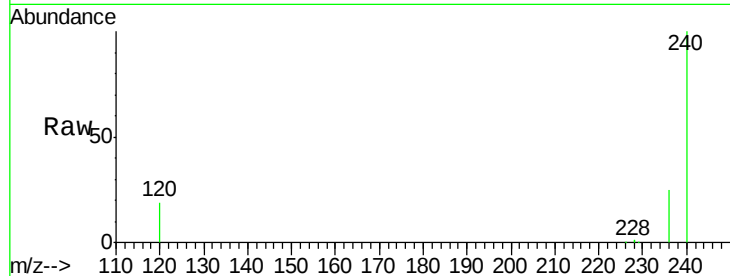




#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BE088139.D
Acq: 21 Oct 2014 13:01

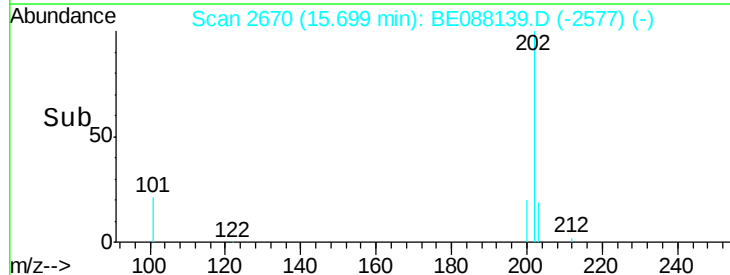
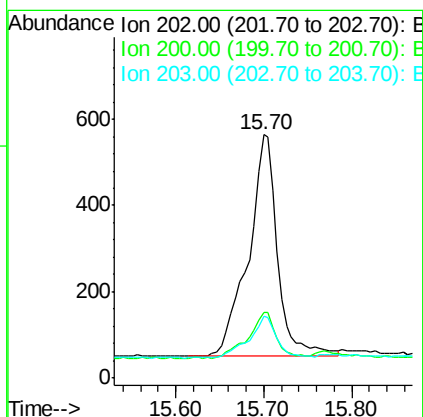
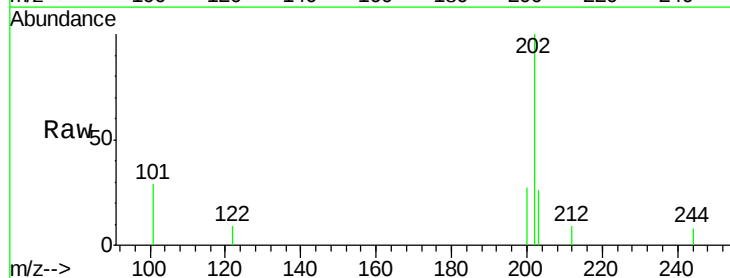
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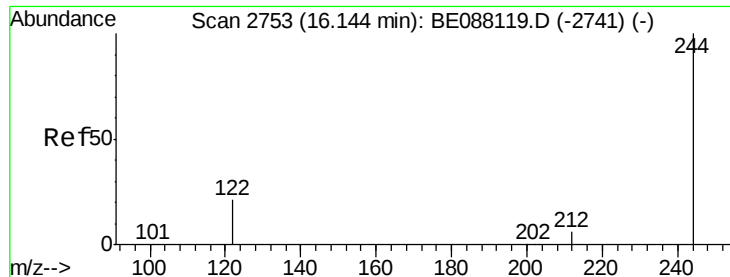
Tgt Ion:240 Resp: 80670
Ion Ratio Lower Upper
240 100
120 18.5 13.9 20.9
236 25.5 19.9 29.9



#17
Pyrene
Concen: 0.05 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088139.D
Acq: 21 Oct 2014 13:01

Tgt Ion:202 Resp: 1196
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 17.6 13.9 20.9





#18

Terphenyl-d14

Concen: 9.13 ng

RT: 16.14 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

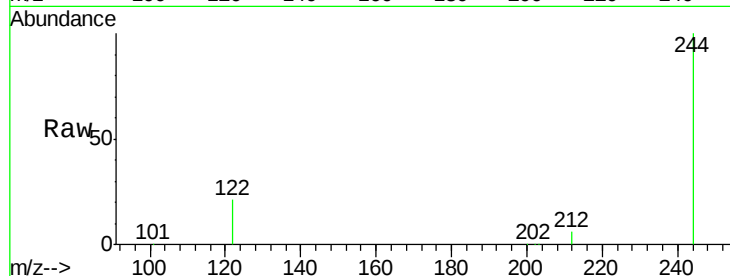
Tgt Ion: 244 Resp: 118471

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

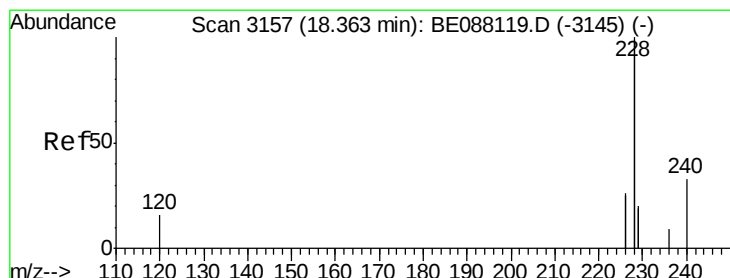
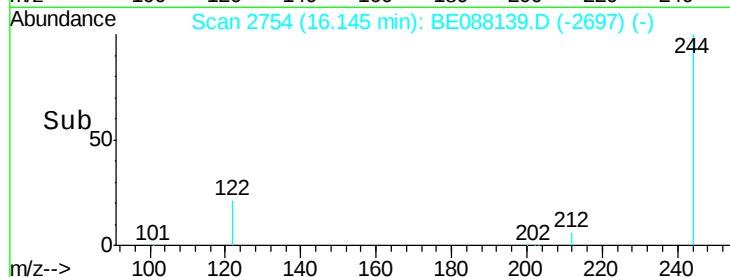
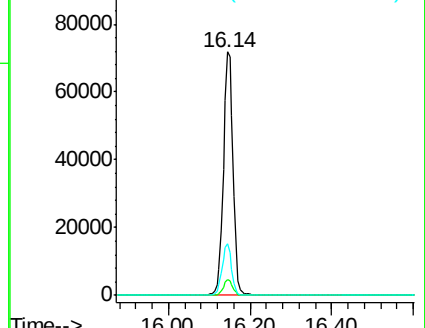
122 21.1 17.5 26.3



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: 0.05 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

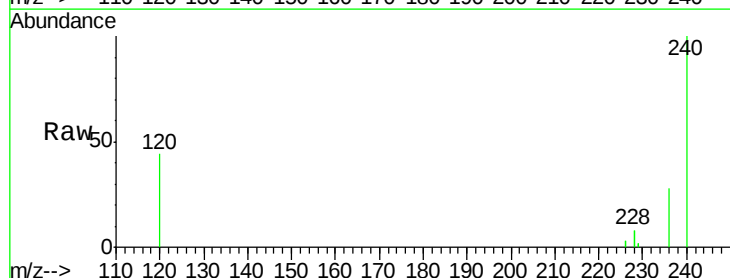
Tgt Ion: 228 Resp: 3725

Ion Ratio Lower Upper

228 100

226 31.7 20.8 31.2#

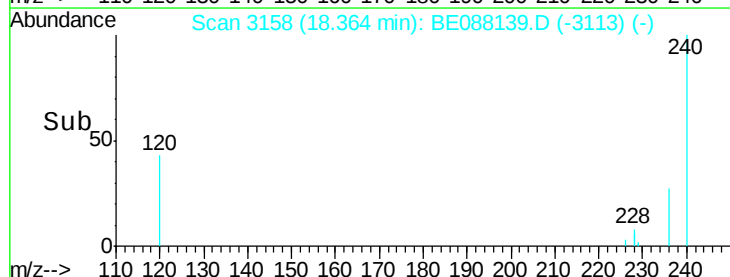
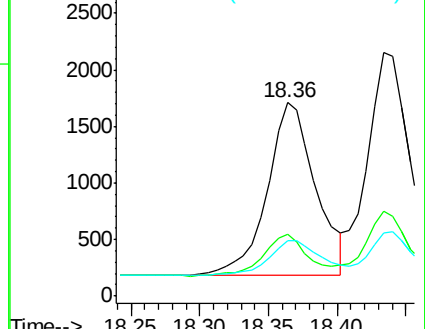
229 28.9 15.6 23.4#

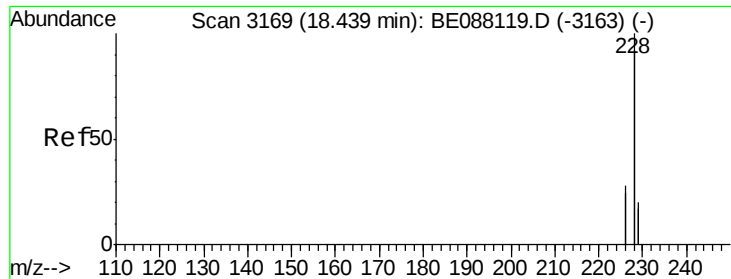


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.06 ng

RT: 18.43 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

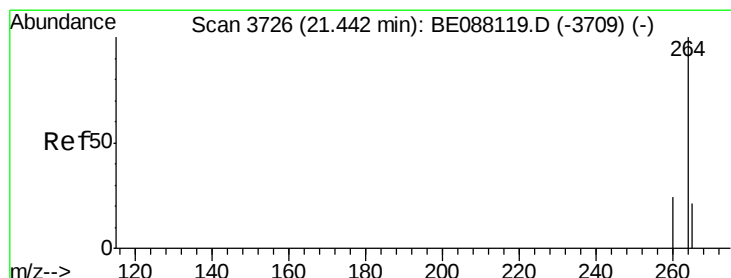
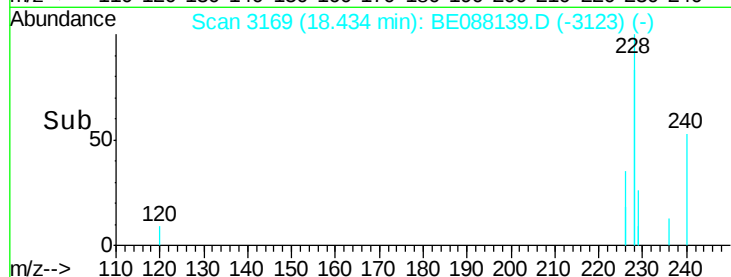
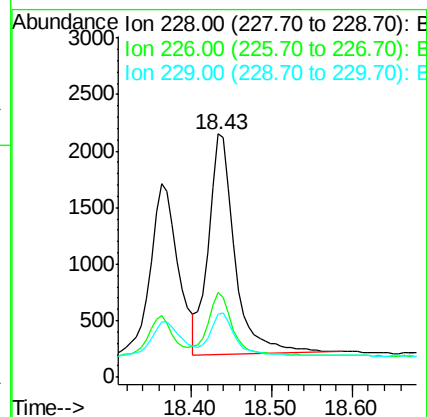
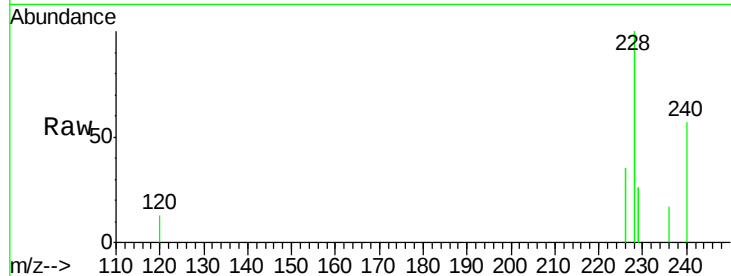
Tgt Ion:228 Resp: 4469

Ion Ratio Lower Upper

228 100

226 34.8 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: BE088139.D

Acq: 21 Oct 2014 13:01

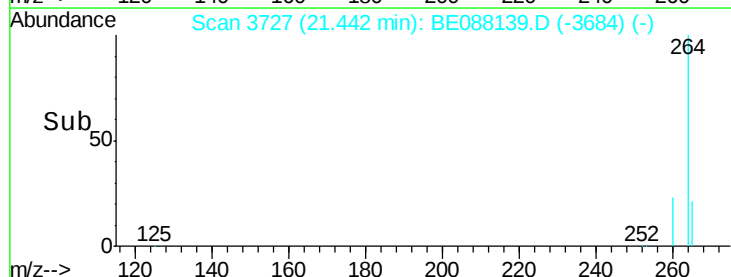
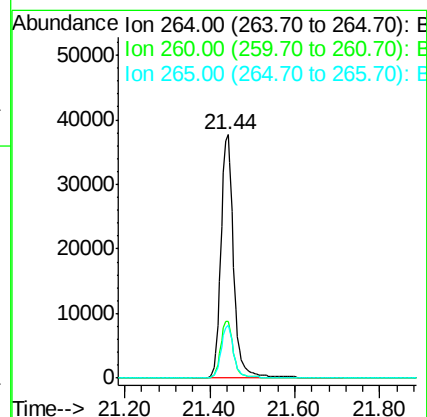
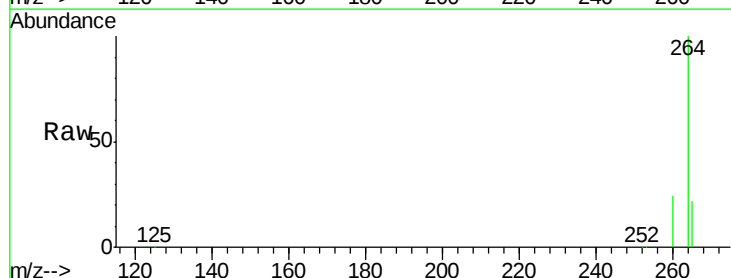
Tgt Ion:264 Resp: 74892

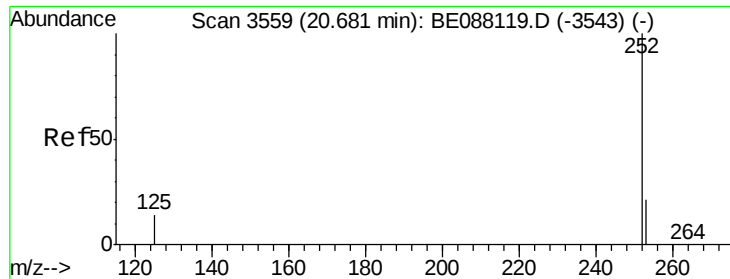
Ion Ratio Lower Upper

264 100

260 23.6 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: BE088139.D

Acq: 21 Oct 2014 13:01

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101614-SW

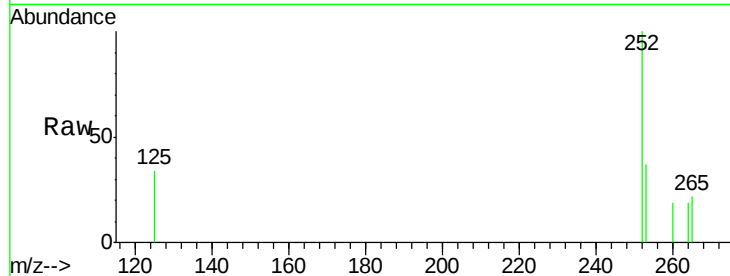
Tgt Ion: 252 Resp: 458

Ion Ratio Lower Upper

252 100

253 37.3 17.4 26.0#

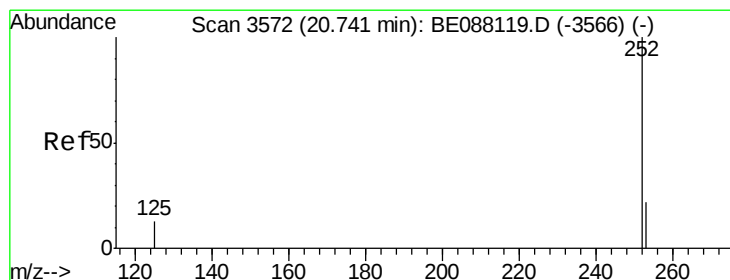
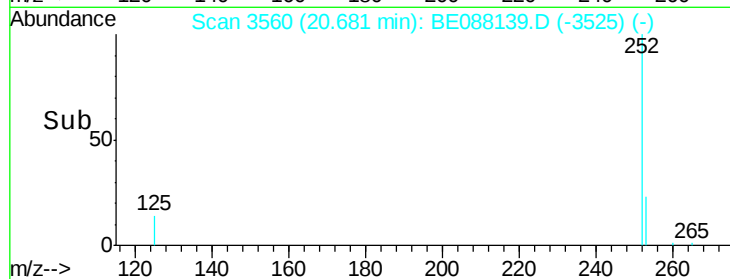
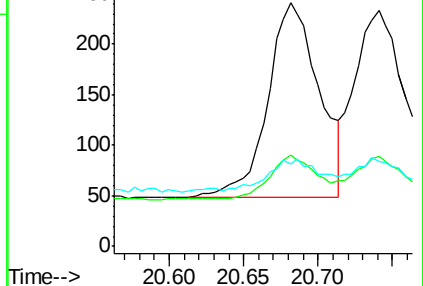
125 34.0 11.8 17.8#



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: BE088139.D

Acq: 21 Oct 2014 13:01

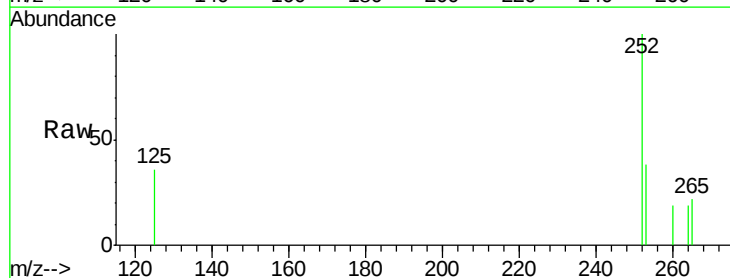
Tgt Ion: 252 Resp: 460

Ion Ratio Lower Upper

252 100

253 38.2 17.6 26.4#

125 36.1 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

