

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
 Data File : BE088137.D
 Acq On : 21 Oct 2014 11:52
 Operator : TP/JJ
 Sample : F4322-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB02-101514-SO

Quant Time: Oct 21 15:12:04 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

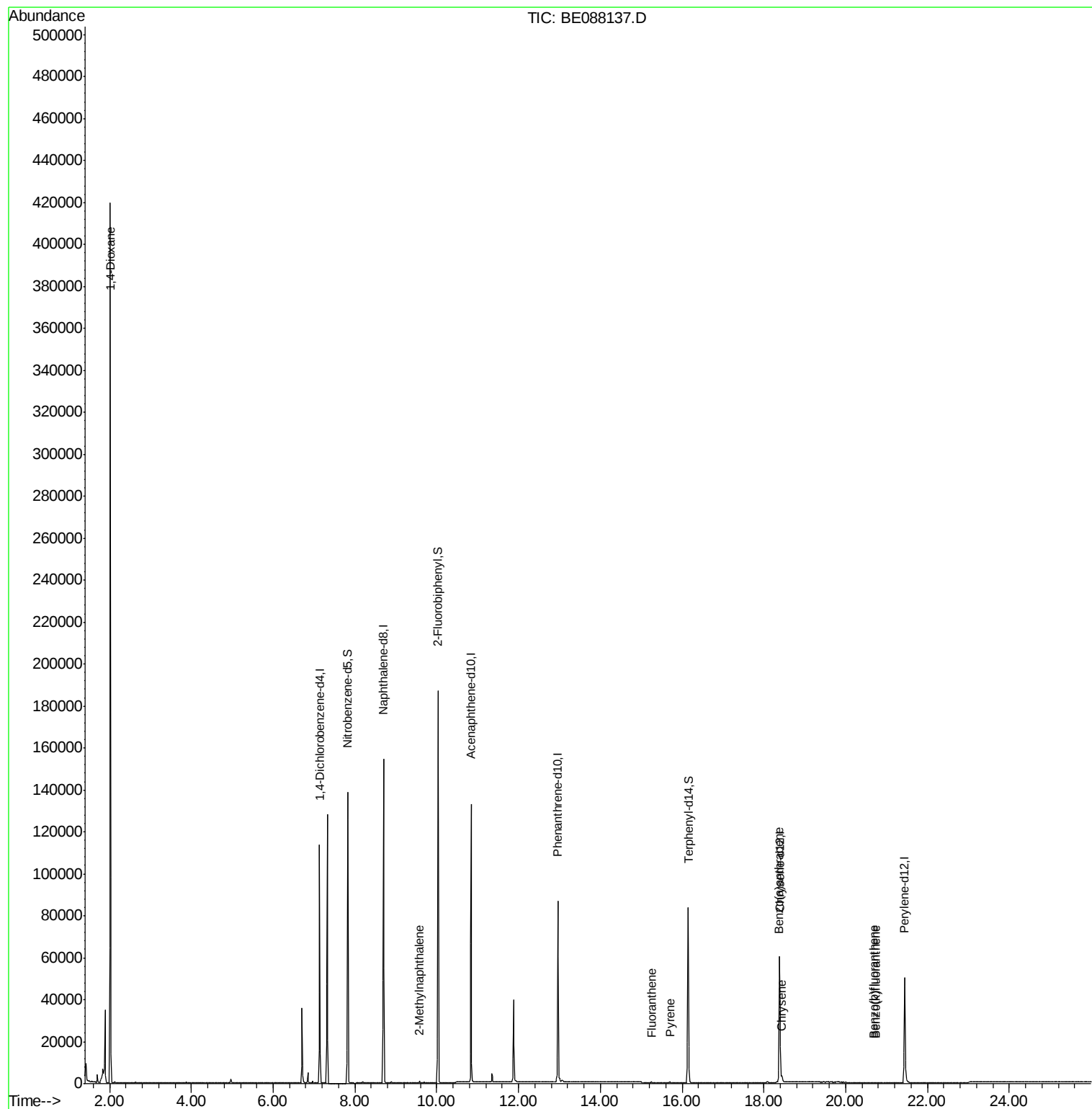
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	36710	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	135872	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	59583	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	106536	5.00	ng	0.00
16) Chrysene-d12	18.38	240	71721	5.00	ng	0.00
22) Perylene-d12	21.44	264	67457	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	71255	7.27	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	122759	7.46	ng	0.00
18) Terphenyl-d14	16.15	244	108437	9.40	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.02	88	12989	2.46	ng	# 1
6) 2-Methylnaphthalene	9.58	142	599	0.04	ng	# 95
13) Phenanthrene	13.01	178	3196	Below Cal		# 1
15) Fluoranthene	15.25	202	1007	0.05	ng	99
17) Pyrene	15.70	202	1076	0.06	ng	98
19) Benzo(a)anthracene	18.37	228	3276	0.05	ng	# 82
20) Chrysene	18.44	228	3718	0.06	ng	# 85
23) Benzo(b)fluoranthene	20.69	252	352	0.02	ng	# 55
24) Benzo(k)fluoranthene	20.74	252	350	0.02	ng	# 54

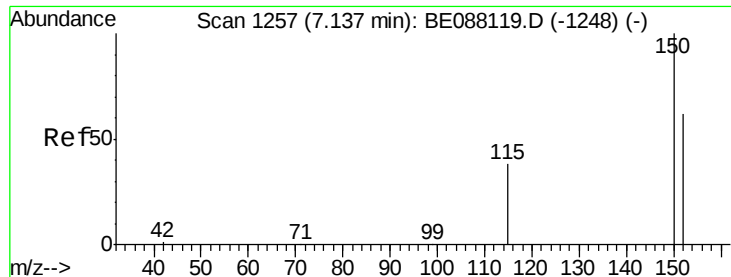
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BE088137.D

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YS19-EB02-101514-SO

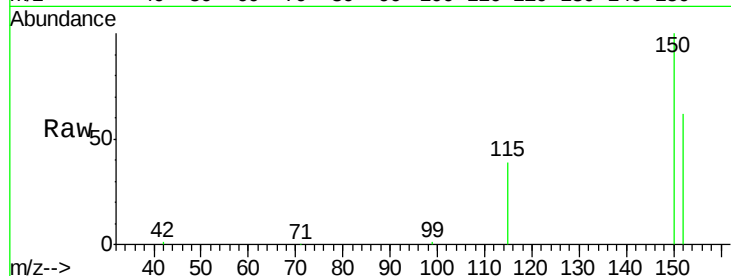
Tgt Ion:152 Resp: 36710

Ion Ratio Lower Upper

152 100

150 161.6 129.2 193.8

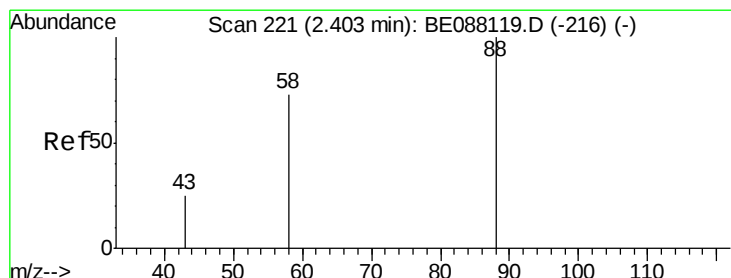
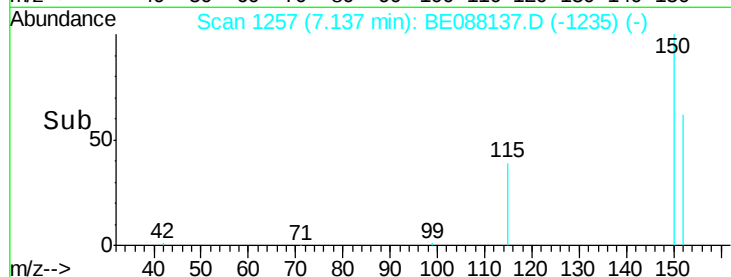
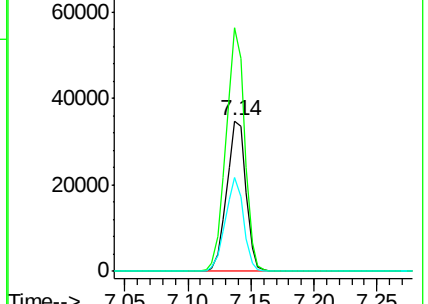
115 62.4 49.3 73.9



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: 2.46 ng

RT: 2.02 min Scan# 137

Delta R.T. -0.38 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

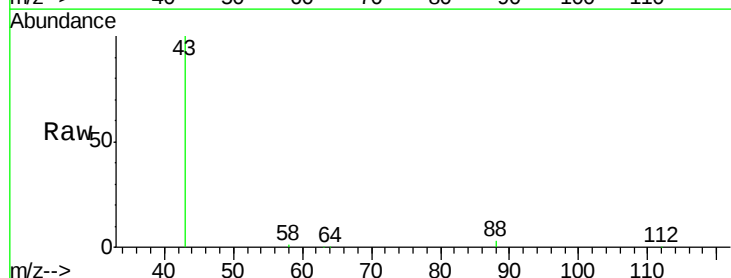
Tgt Ion: 88 Resp: 12989

Ion Ratio Lower Upper

88 100

58 27.7 59.5 89.3#

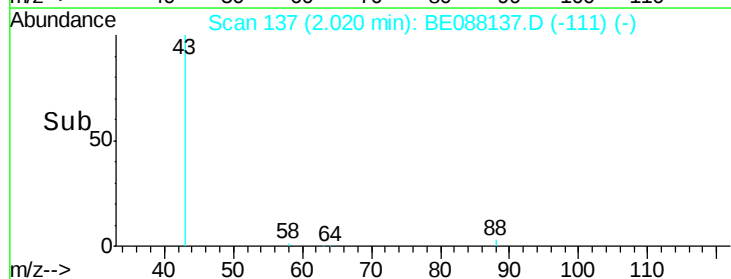
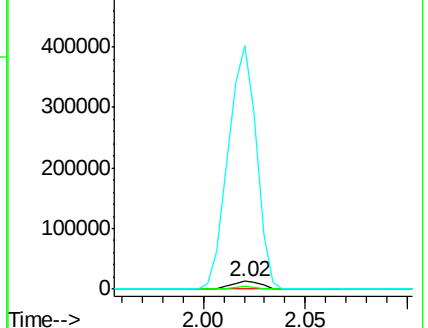
43 2959.0 21.2 31.8#

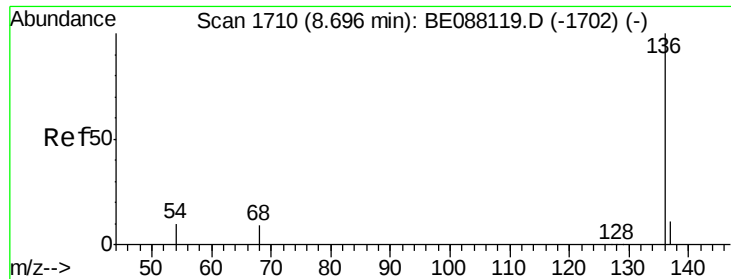


Abundance Ion 88.00 (87.70 to 88.70): BE0

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# 1710

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

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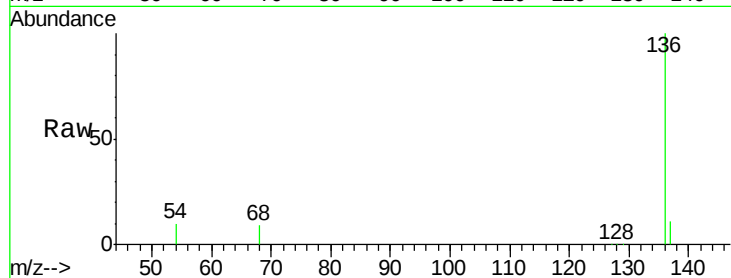
Tgt Ion: 136 Resp: 135872

Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

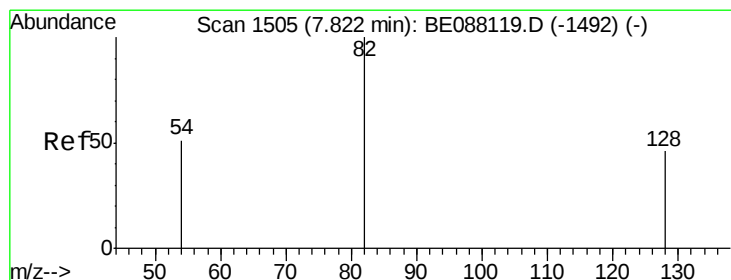
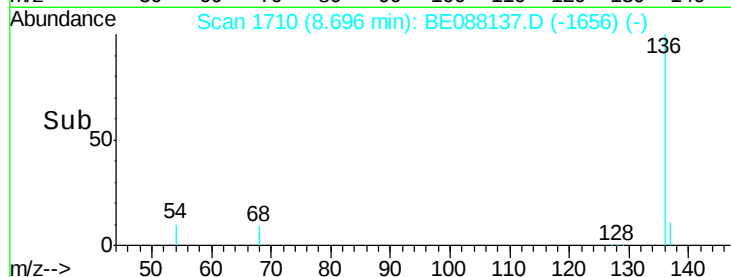
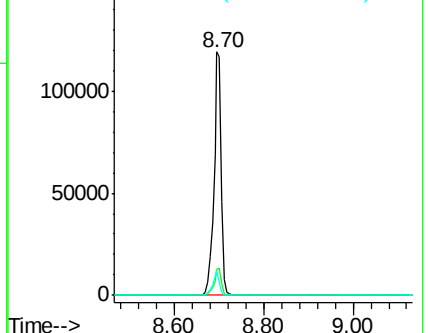
54 9.9 7.7 11.5



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: 7.27 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

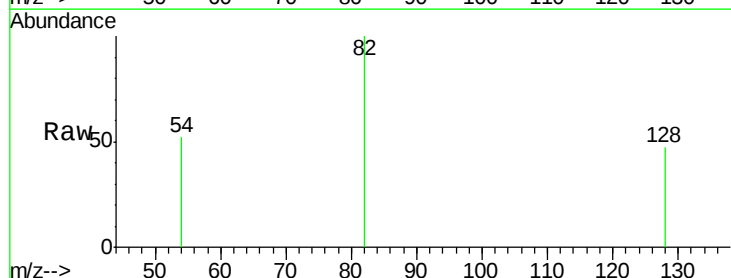
Tgt Ion: 82 Resp: 71255

Ion Ratio Lower Upper

82 100

128 47.2 37.1 55.7

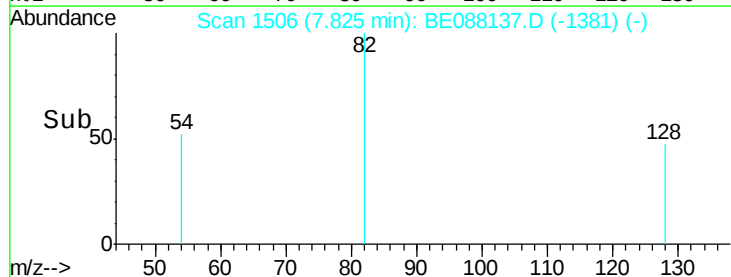
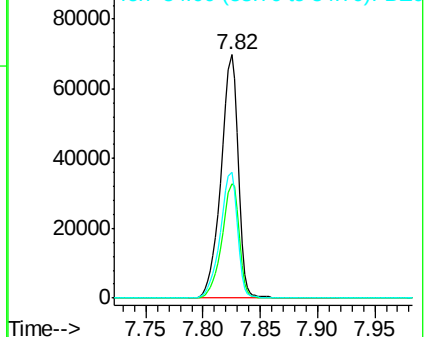
54 51.6 41.1 61.7

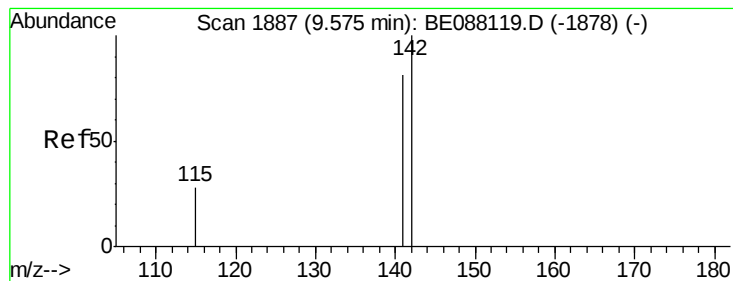


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#6

2-Methylnaphthalene

Concen: 0.04 ng

RT: 9.58 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

BNA_E

ClientSampleId :

YS19-EB02-101514-SO

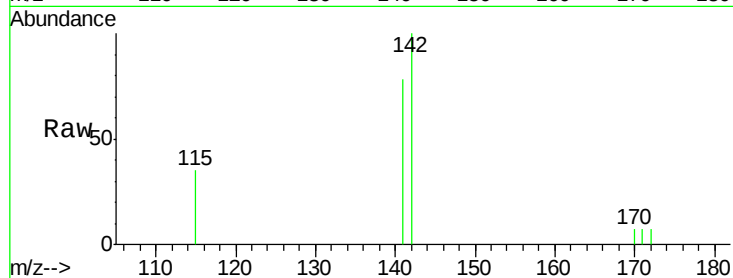
Tgt Ion:142 Resp: 599

Ion Ratio Lower Upper

142 100

141 78.4 64.6 97.0

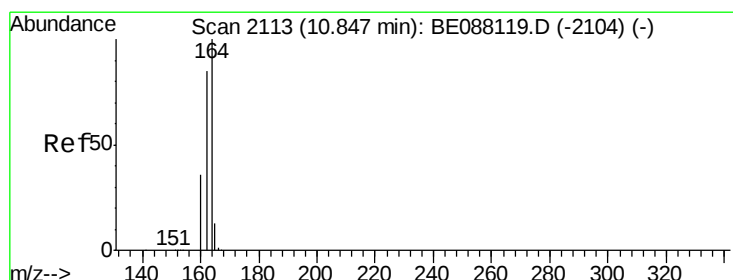
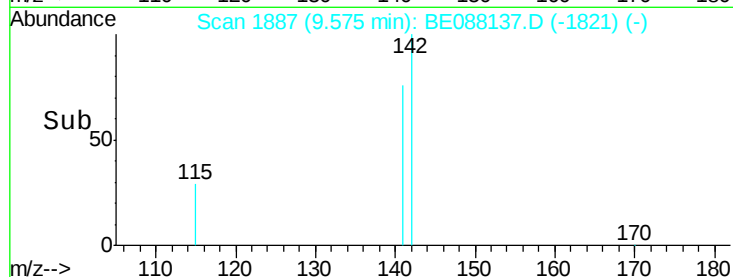
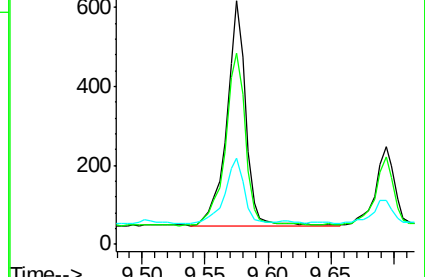
115 35.2 22.6 34.0#



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



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

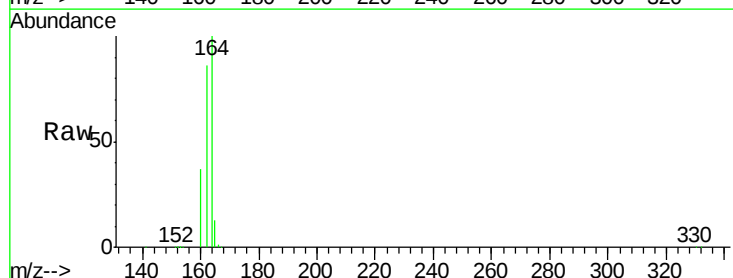
Tgt Ion:164 Resp: 59583

Ion Ratio Lower Upper

164 100

162 86.3 68.3 102.5

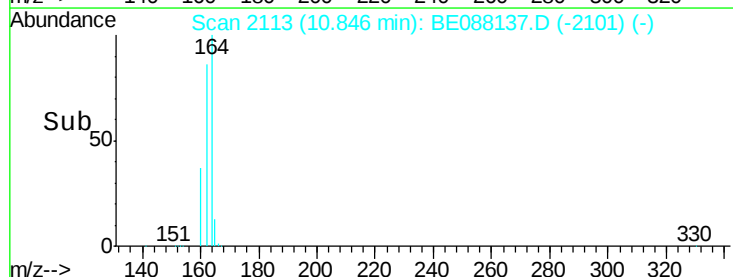
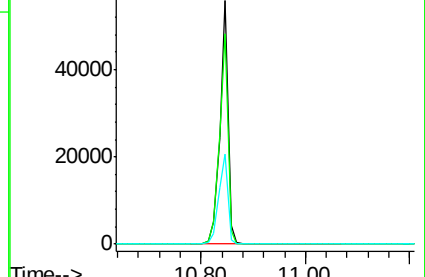
160 37.0 28.7 43.1



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

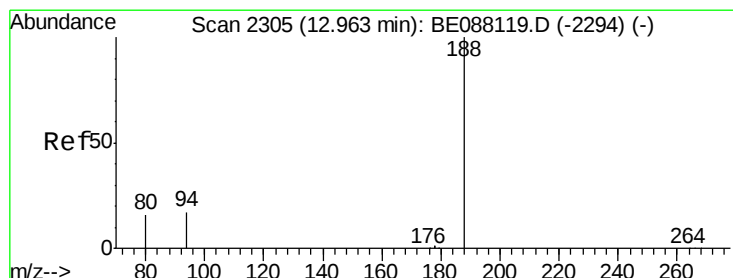
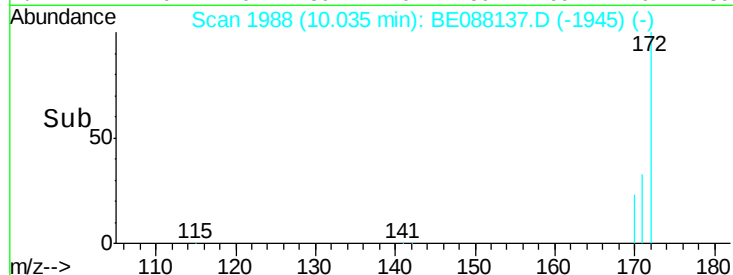
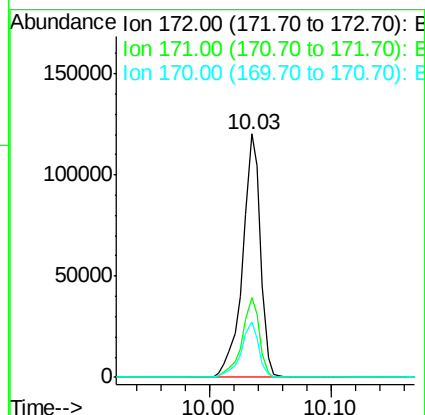
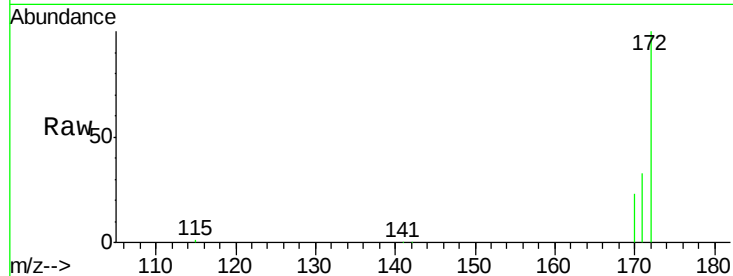




#8
 2-Fluorobiphenyl
 Concen: 7.46 ng
 RT: 10.03 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BE088137.D
 Acq: 21 Oct 2014 11:52

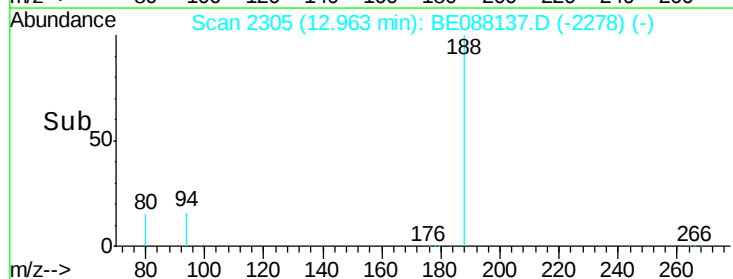
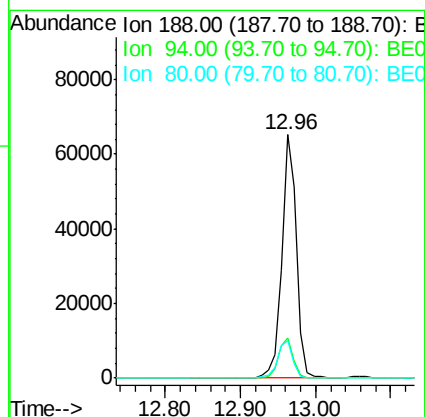
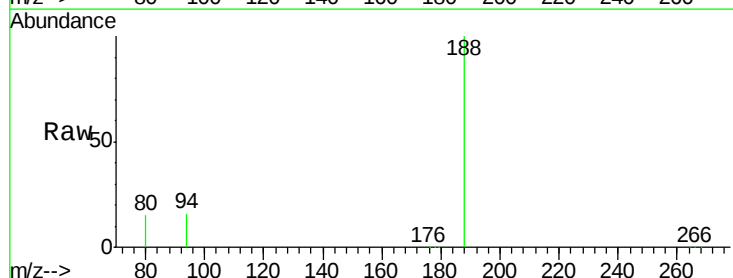
Instrument :
 BNA_E
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 YS19-EB02-101514-SO

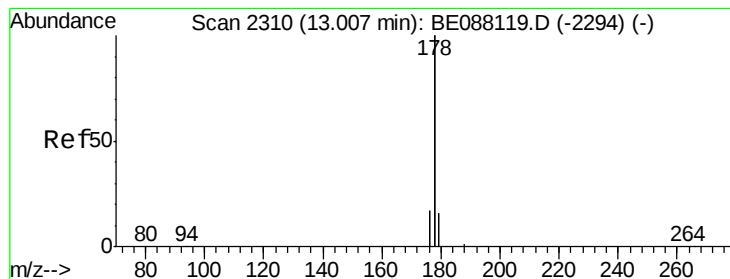
Tgt Ion:172 Resp: 122759
 Ion Ratio Lower Upper
 172 100
 171 32.6 25.4 38.2
 170 22.5 17.4 26.2



#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BE088137.D
 Acq: 21 Oct 2014 11:52

Tgt Ion:188 Resp: 106536
 Ion Ratio Lower Upper
 188 100
 94 16.5 13.9 20.9
 80 15.2 12.9 19.3





#13

Phenanthrene

Concen: Below Cal

RT: 13.01 min Scan# 2310

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

BNA_E

ClientSampleId :

YS19-EB02-101514-SO

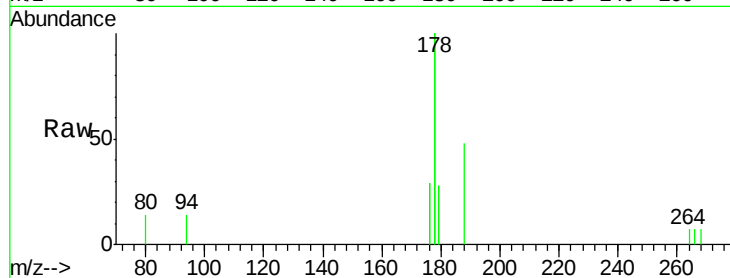
Tgt Ion:178 Resp: 3196

Ion Ratio Lower Upper

178 100

176 87.4 12.5 18.7#

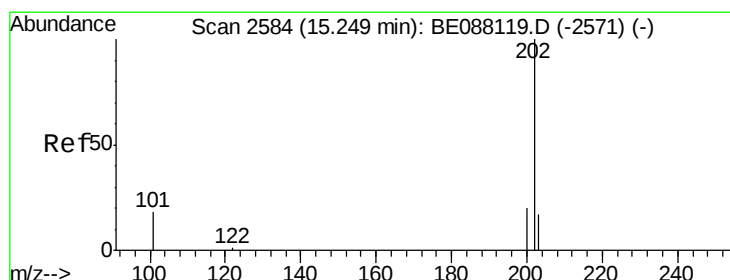
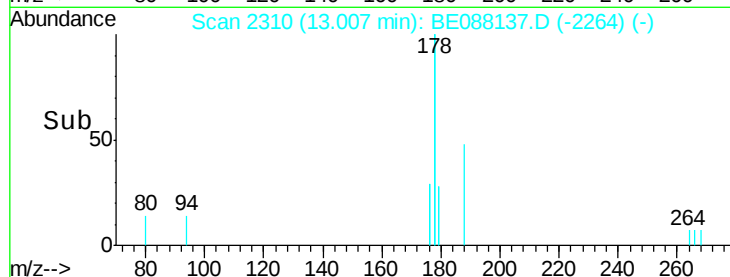
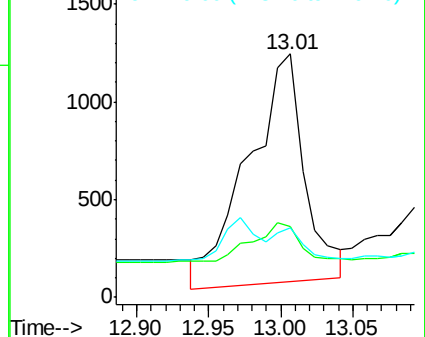
179 0.0 13.5 20.3#



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: 0.05 ng

RT: 15.25 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

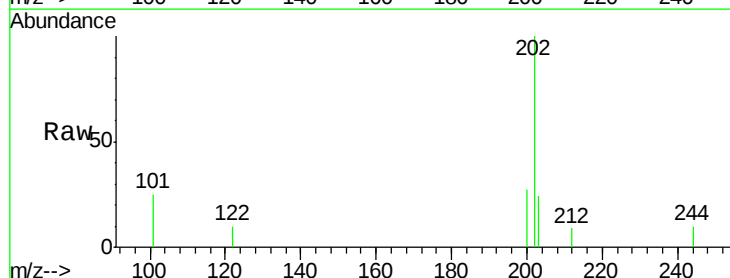
Tgt Ion:202 Resp: 1007

Ion Ratio Lower Upper

202 100

101 17.7 14.8 22.2

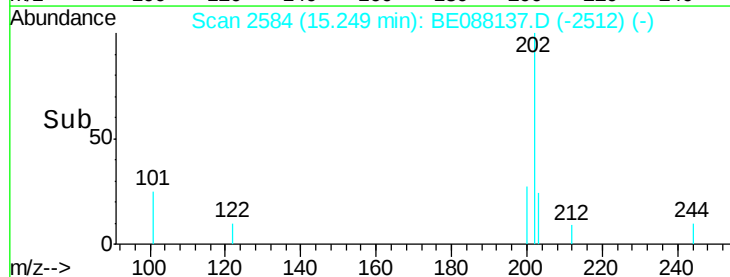
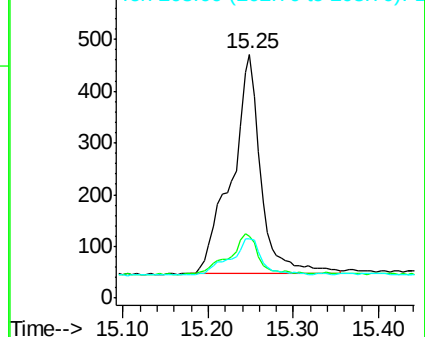
203 16.7 13.5 20.3

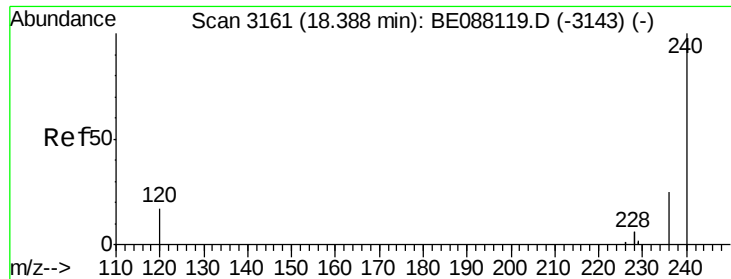


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

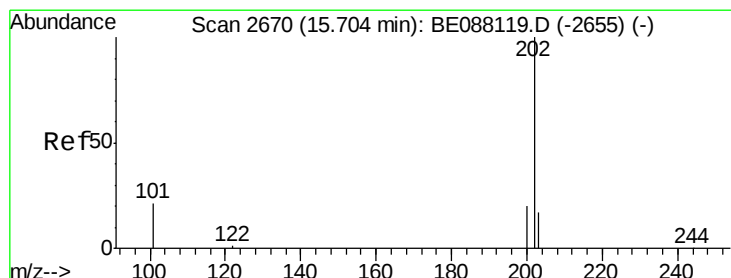
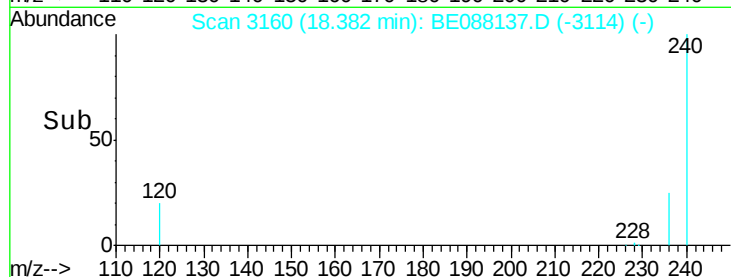
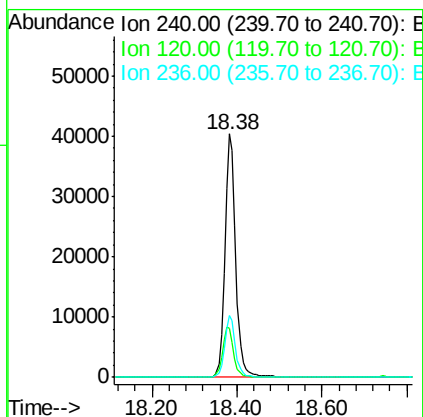
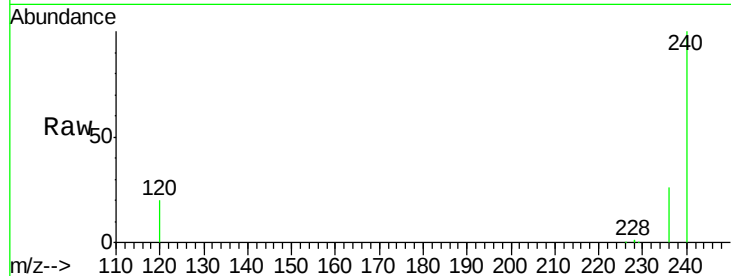




#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088137.D
Acq: 21 Oct 2014 11:52

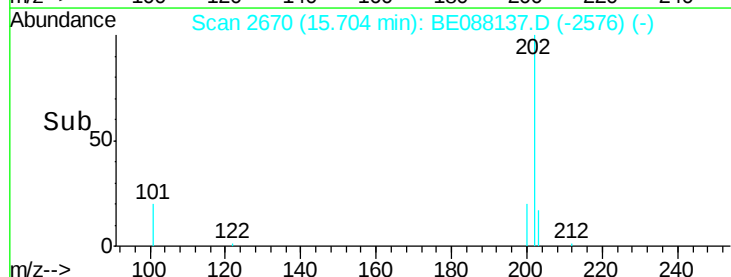
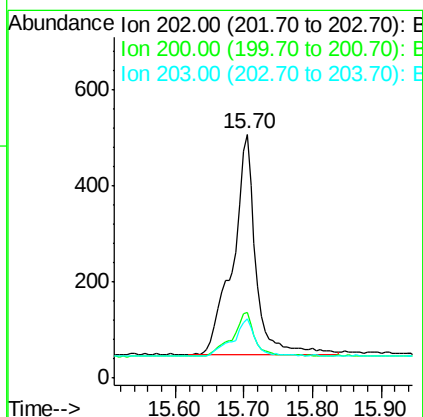
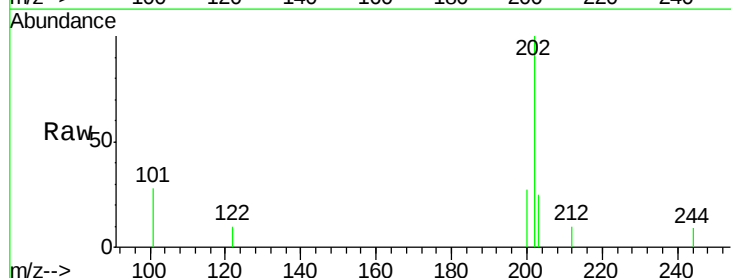
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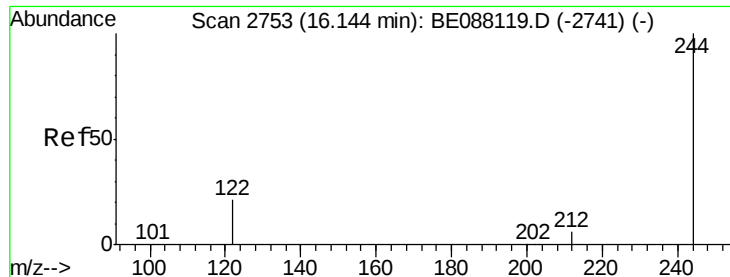
Tgt Ion:240 Resp: 71721
Ion Ratio Lower Upper
240 100
120 20.4 13.9 20.9
236 25.5 19.9 29.9



#17
Pyrene
Concen: 0.06 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088137.D
Acq: 21 Oct 2014 11:52

Tgt Ion:202 Resp: 1076
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 16.4 13.9 20.9





#18

Terphenyl-d14

Concen: 9.40 ng

RT: 16.15 min Scan# 2754

Delta R.T. 0.01 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

BNA_E

ClientSampleId :

YS19-EB02-101514-SO

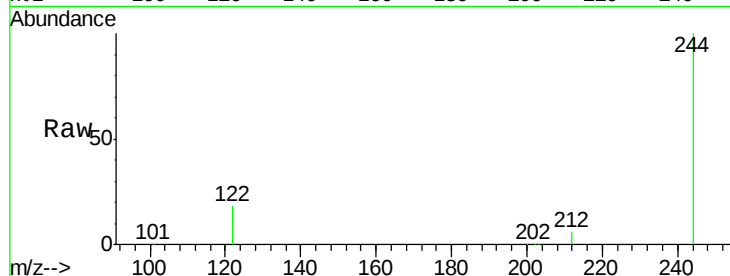
Tgt Ion:244 Resp: 108437

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

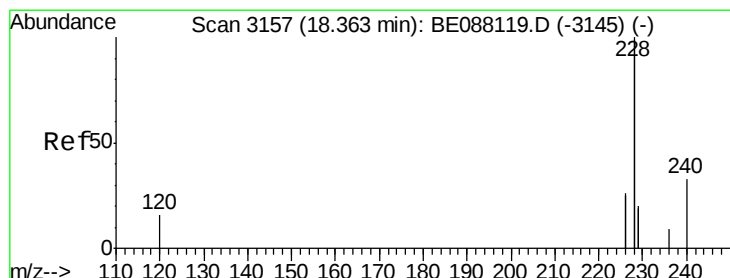
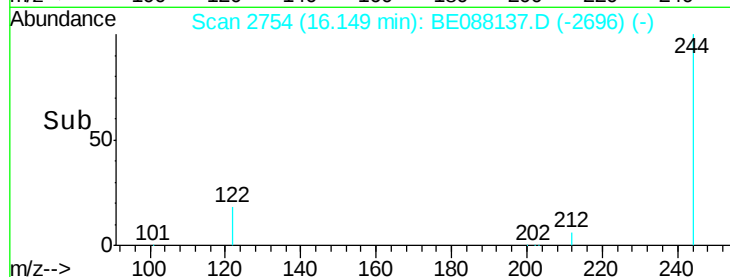
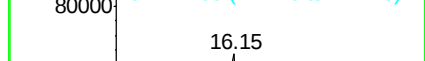
122 18.3 17.5 26.3



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: 18.37 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

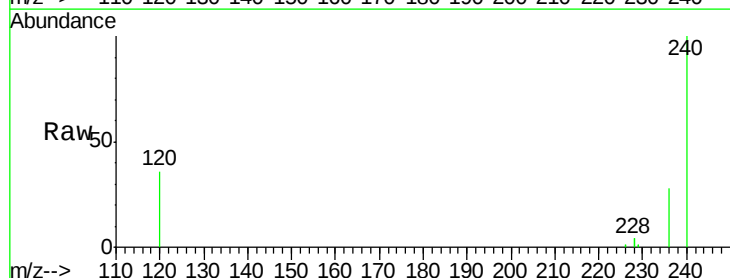
Tgt Ion:228 Resp: 3276

Ion Ratio Lower Upper

228 100

226 32.4 20.8 31.2#

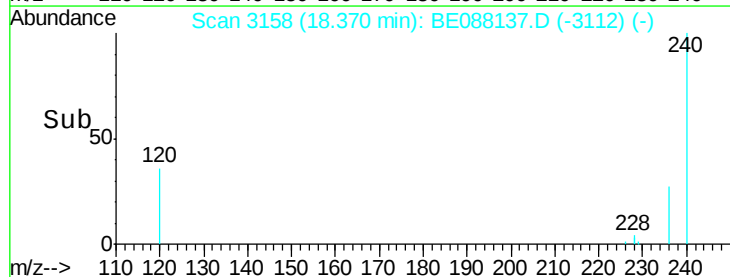
229 31.1 15.6 23.4#

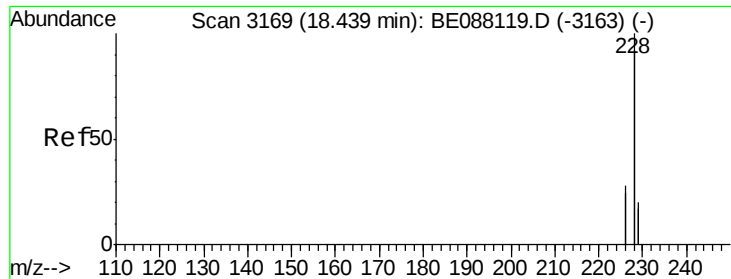


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.06 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

BNA_E

ClientSampleId :

YS19-EB02-101514-SO

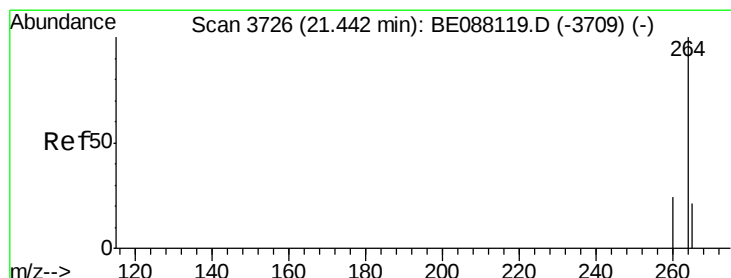
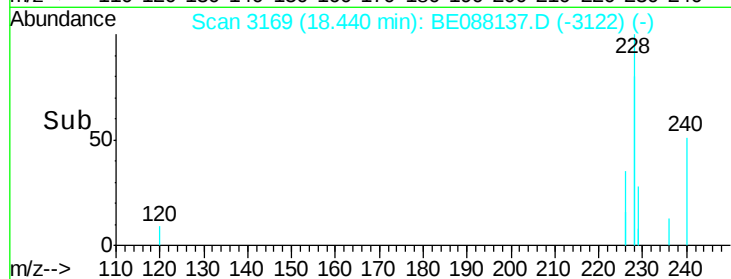
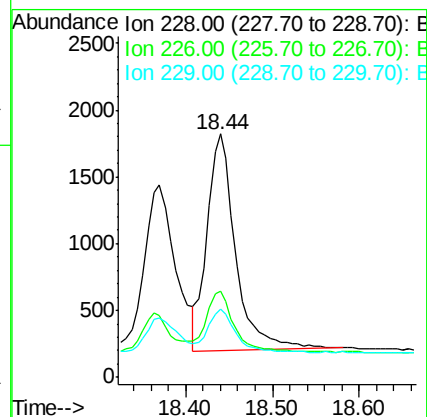
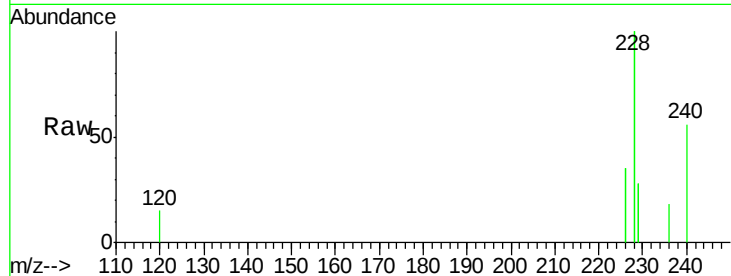
Tgt Ion:228 Resp: 3718

Ion Ratio Lower Upper

228 100

226 35.5 22.7 34.1#

229 27.8 15.8 23.6#



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

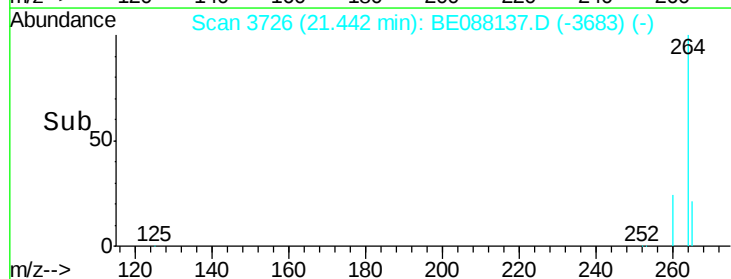
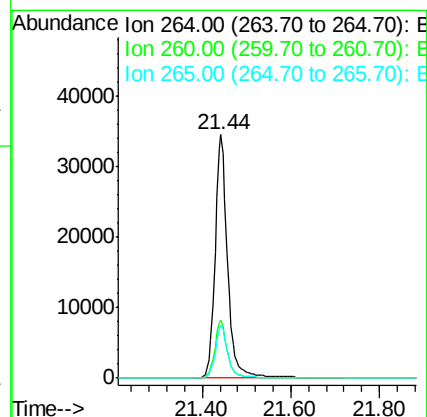
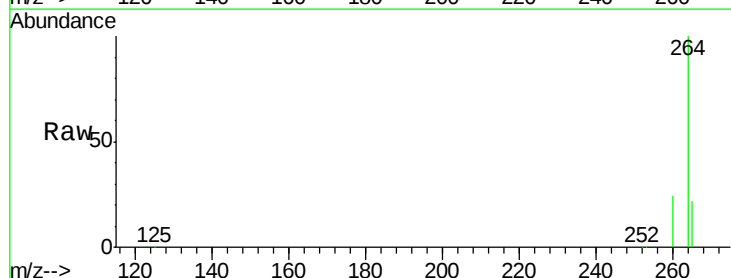
Tgt Ion:264 Resp: 67457

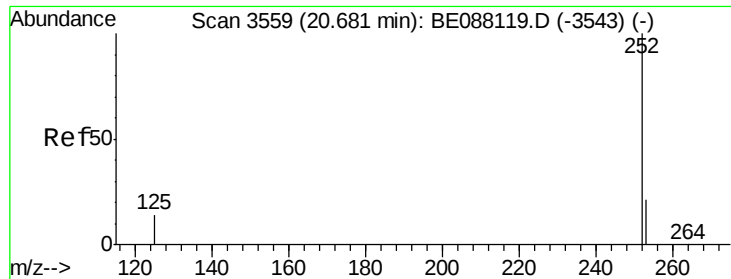
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.5 17.2 25.8





#23

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 20.69 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

Instrument :

BNA_E

ClientSampleId :

YS19-EB02-101514-SO

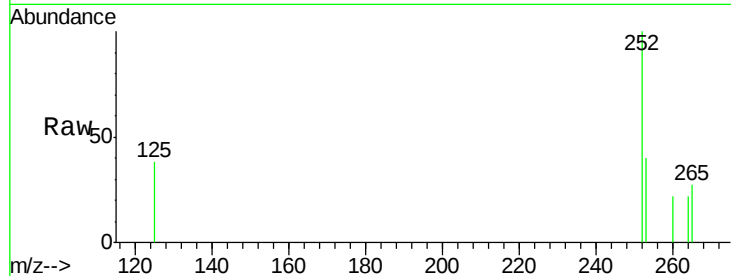
Tgt Ion:252 Resp: 352

Ion Ratio Lower Upper

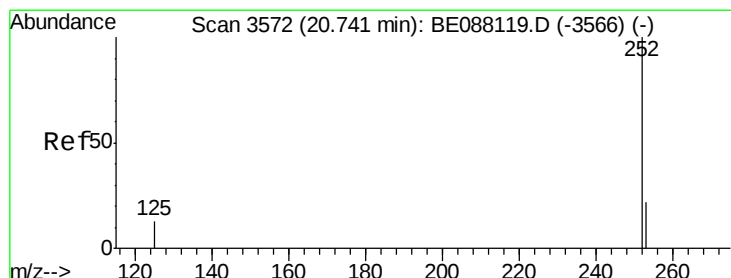
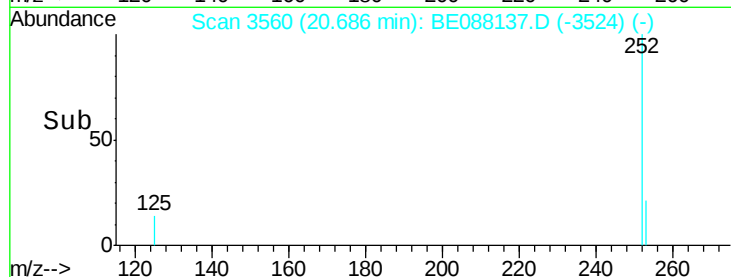
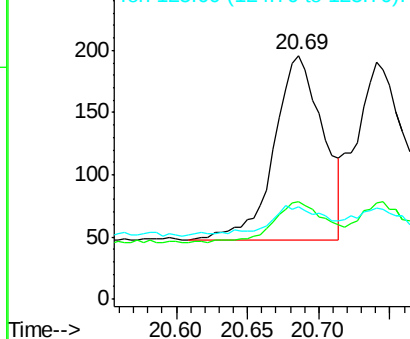
252 100

253 39.8 17.4 26.0#

125 37.8 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# 3572

Delta R.T. 0.00 min

Lab File: BE088137.D

Acq: 21 Oct 2014 11:52

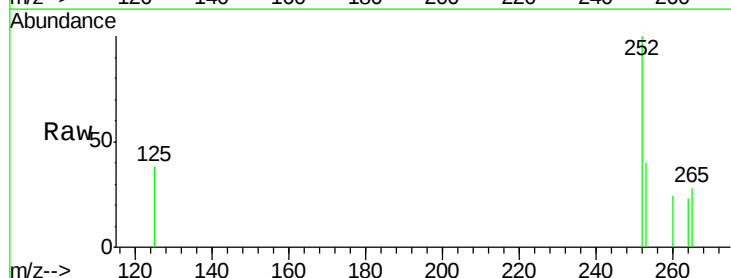
Tgt Ion:252 Resp: 350

Ion Ratio Lower Upper

252 100

253 40.3 17.6 26.4#

125 38.2 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

