

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088142.D
 Acq On : 21 Oct 2014 15:12
 Operator : TP/JJ
 Sample : F4351-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW01-1014

Quant Time: Oct 22 04:37:06 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	37602	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	138098	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	60444	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	109009	5.00	ng	0.00
16) Chrysene-d12	18.38	240	74590	5.00	ng	0.00
22) Perylene-d12	21.44	264	70812	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.82	82	67904	6.82	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	112187	6.72	ng	0.00
18) Terphenyl-d14	16.15	244	94863	7.90	ng	0.00

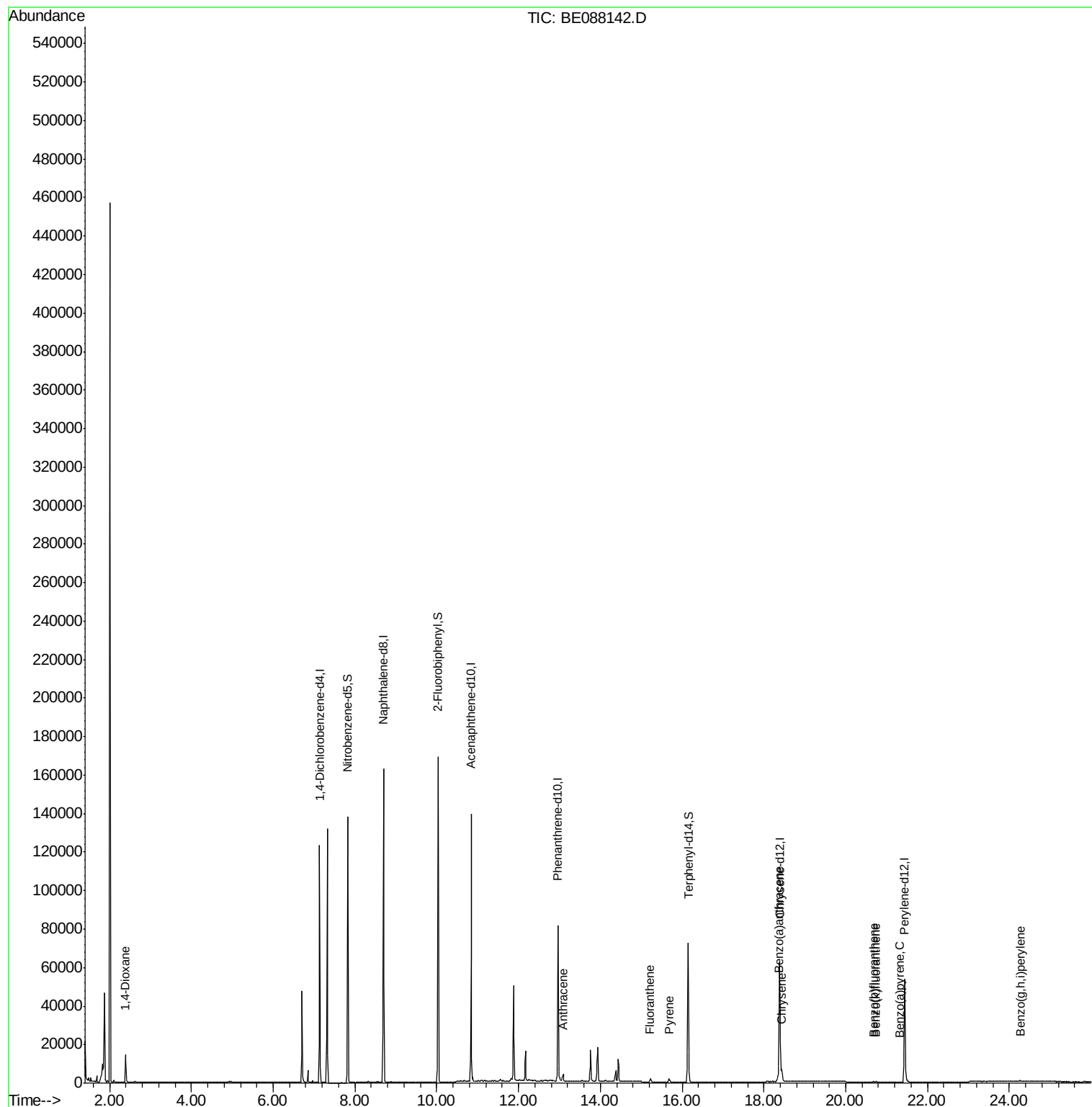
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.39	88	7631	1.41	ng	# 86
13) Phenanthrene	12.98	178	6230	Below Cal		# 74
14) Anthracene	13.09	178	4641	0.05	ng	93
15) Fluoranthene	15.22	202	3037	0.15	ng	99
17) Pyrene	15.68	202	3037	0.15	ng	100
19) Benzo(a)anthracene	18.36	228	7605	0.11	ng	# 90
20) Chrysene	18.43	228	11394	0.18	ng	92
23) Benzo(b)fluoranthene	20.68	252	902	0.05	ng	# 76
24) Benzo(k)fluoranthene	20.74	252	912	0.05	ng	# 72
25) Benzo(a)pyrene	21.32	252	317	0.02	ng	# 43
27) Benzo(g,h,i)perylene	24.26	276	1520	0.02	ng	# 46

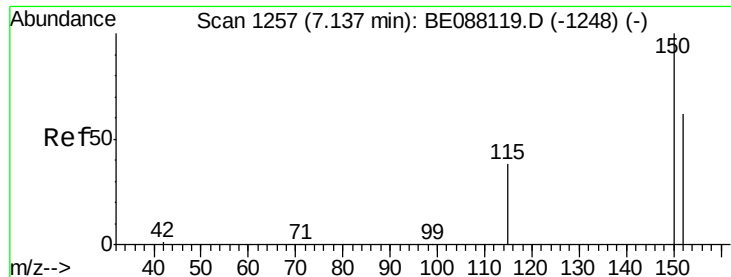
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
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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: BE088142.D

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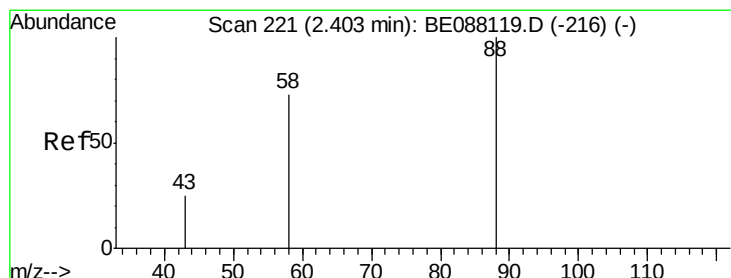
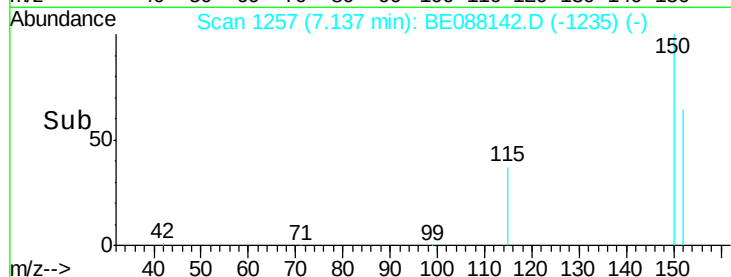
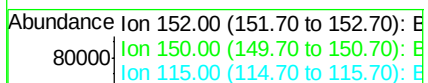
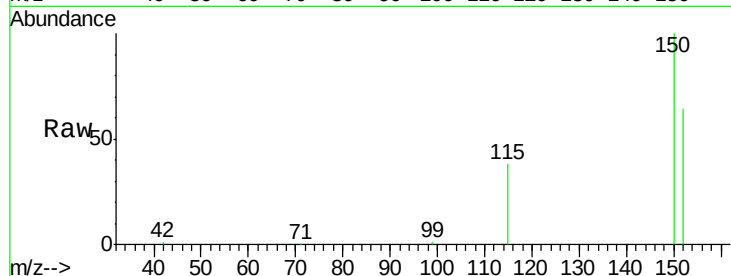
Tgt Ion:152 Resp: 37602

Ion Ratio Lower Upper

152 100

150 157.4 129.2 193.8

115 59.1 49.3 73.9



#2

1,4-Dioxane

Concen: 1.41 ng

RT: 2.39 min Scan# 218

Delta R.T. -0.01 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

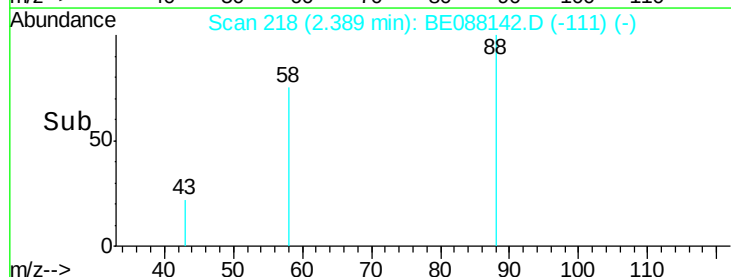
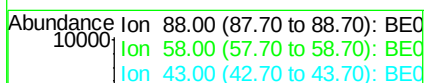
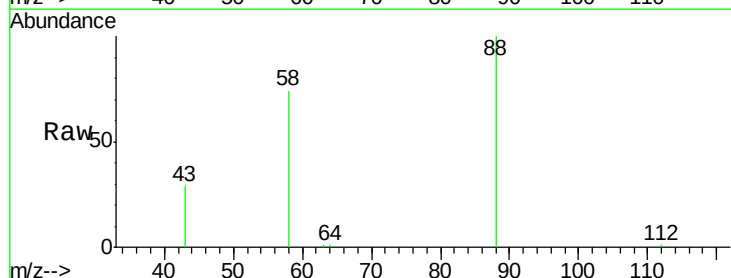
Tgt Ion: 88 Resp: 7631

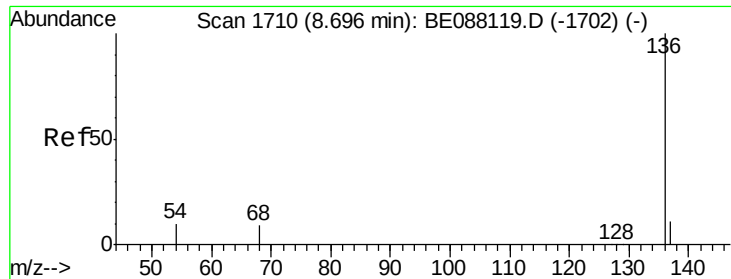
Ion Ratio Lower Upper

88 100

58 74.2 59.5 89.3

43 0.0 21.2 31.8#





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1710

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

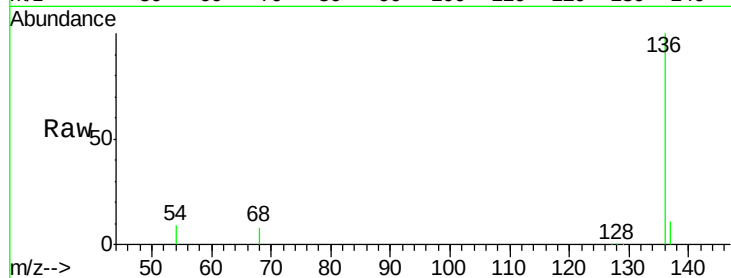
Tgt Ion: 136 Resp: 138098

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

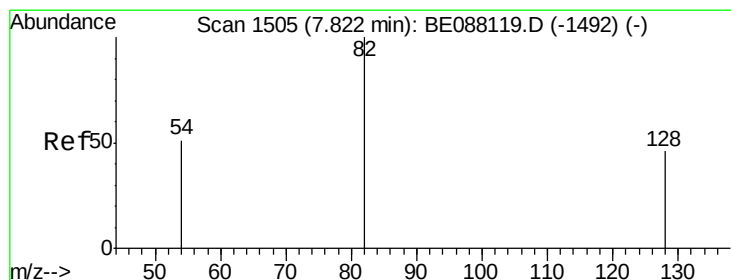
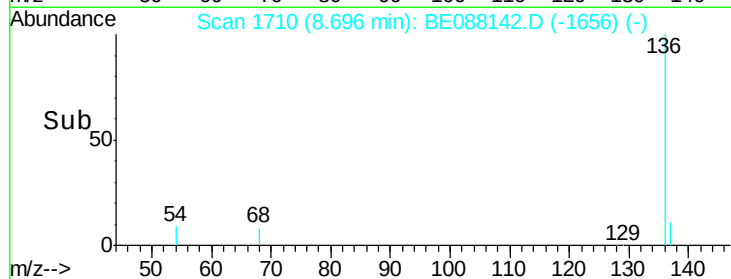
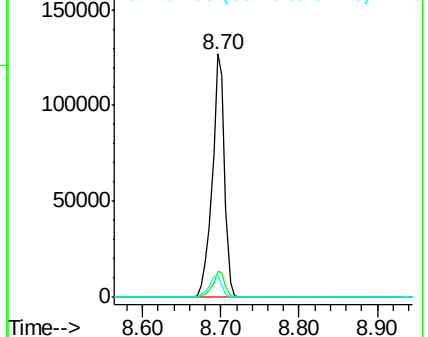
54 9.4 7.7 11.5



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: 6.82 ng

RT: 7.82 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

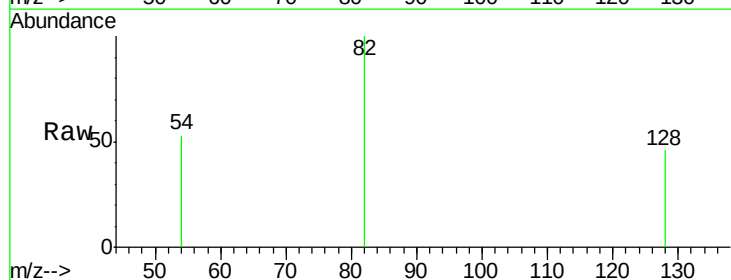
Tgt Ion: 82 Resp: 67904

Ion Ratio Lower Upper

82 100

128 45.6 37.1 55.7

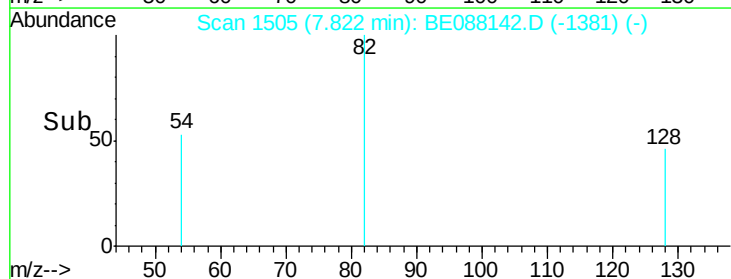
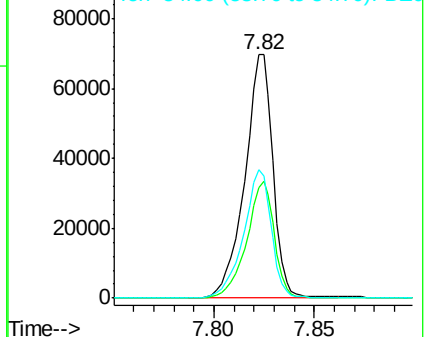
54 52.8 41.1 61.7

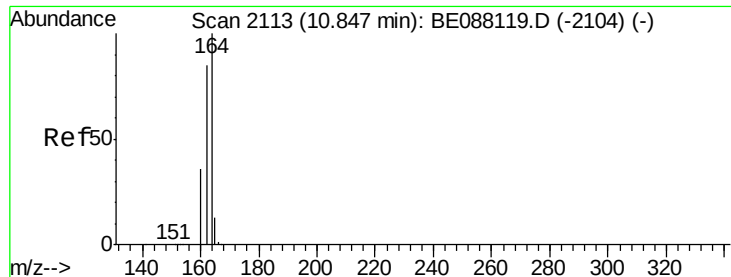


Abundance Ion 82.00 (81.70 to 82.70): BE0

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# 2113

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

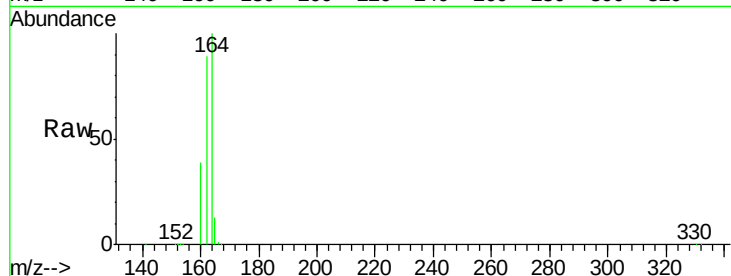
Tgt Ion:164 Resp: 60444

Ion Ratio Lower Upper

164 100

162 88.8 68.3 102.5

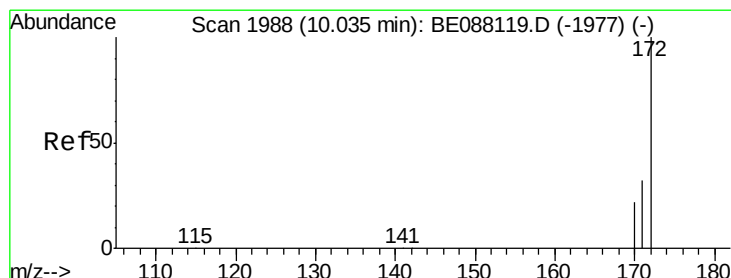
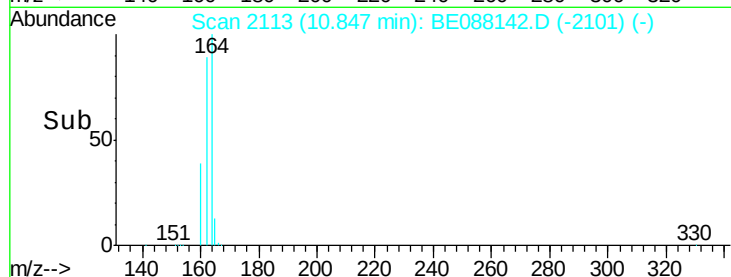
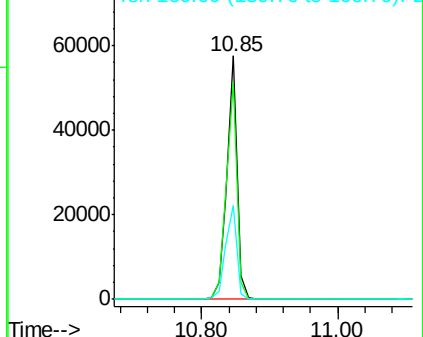
160 38.6 28.7 43.1



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: 6.72 ng

RT: 10.03 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

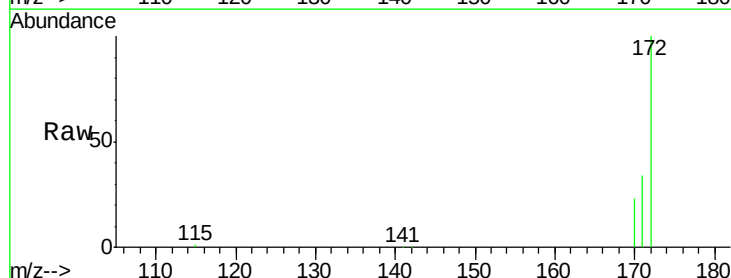
Tgt Ion:172 Resp: 112187

Ion Ratio Lower Upper

172 100

171 33.5 25.4 38.2

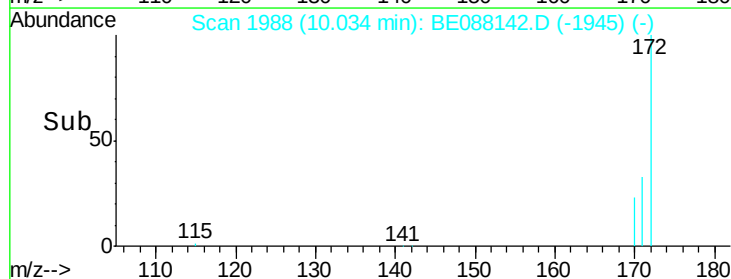
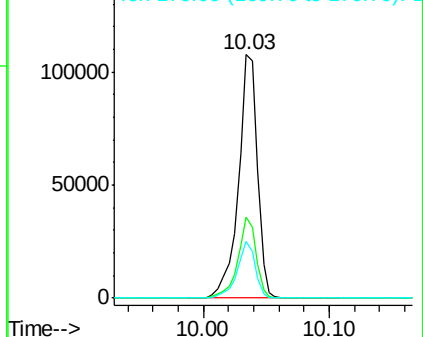
170 23.2 17.4 26.2

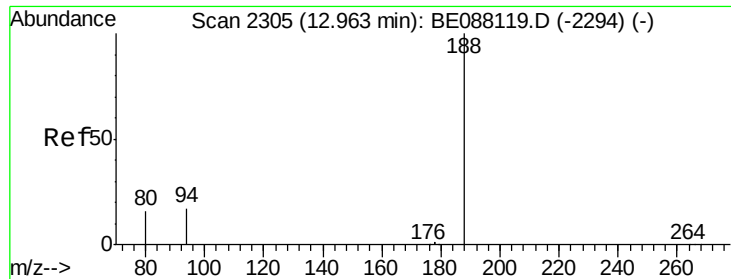


Abundance Ion 172.00 (171.70 to 172.70): E

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: 12.97 min Scan# 2306

Delta R.T. 0.01 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

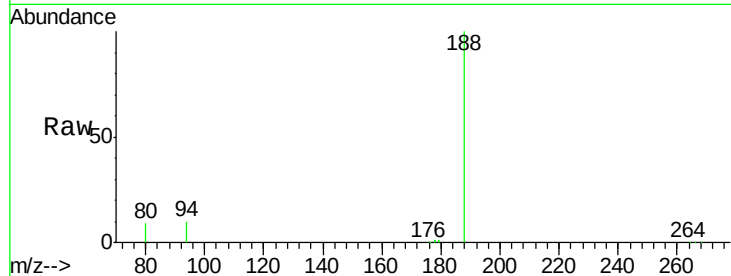
Tgt Ion:188 Resp: 109009

Ion Ratio Lower Upper

188 100

94 10.5 13.9 20.9#

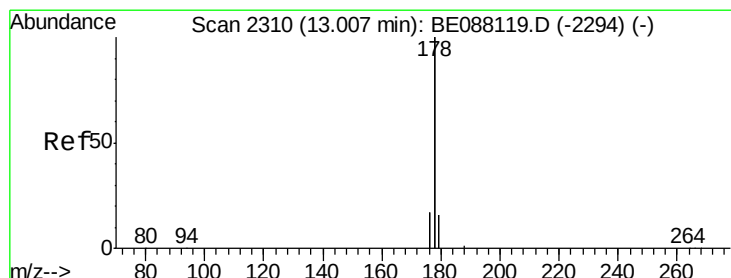
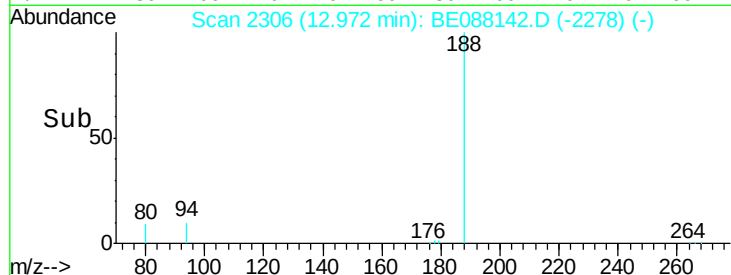
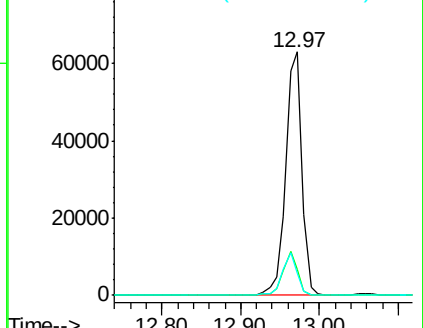
80 9.3 12.9 19.3#



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: 12.98 min Scan# 2307

Delta R.T. -0.03 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

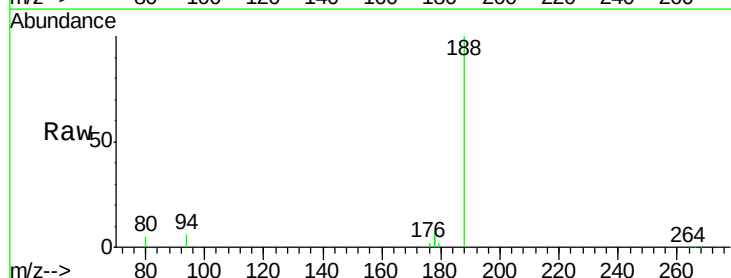
Tgt Ion:178 Resp: 6230

Ion Ratio Lower Upper

178 100

176 25.9 12.5 18.7#

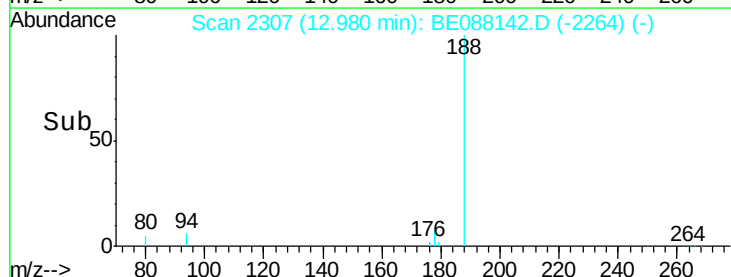
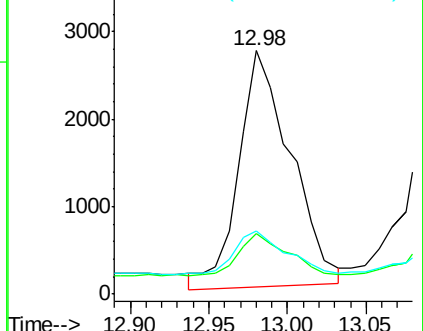
179 28.6 13.5 20.3#

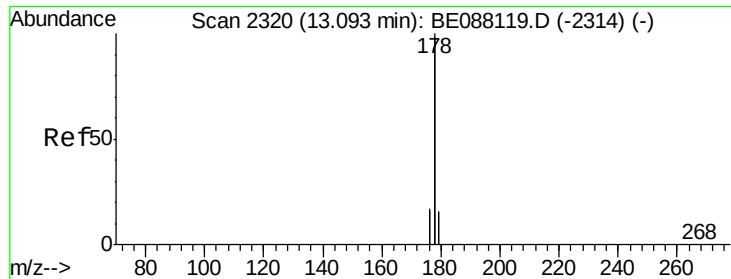


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.05 ng

RT: 13.09 min Scan# 2320

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

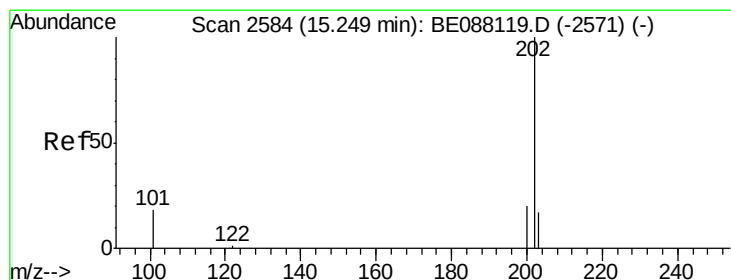
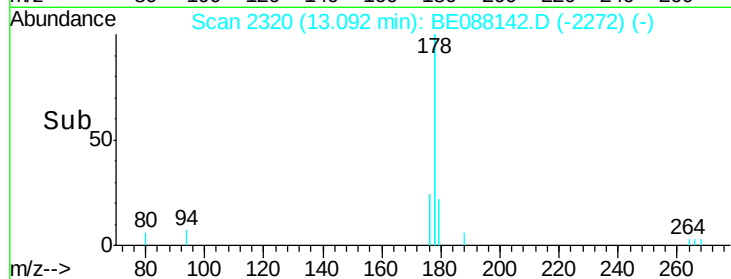
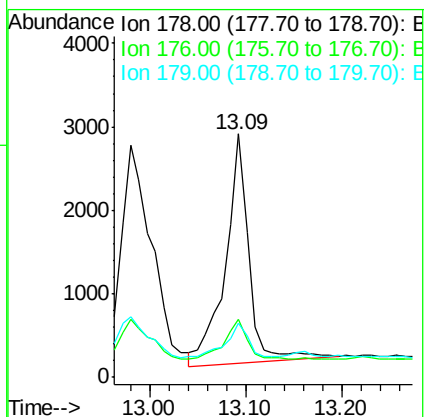
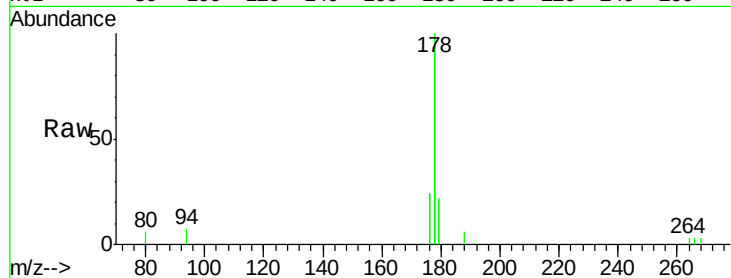
Tgt Ion:178 Resp: 4641

Ion Ratio Lower Upper

178 100

176 21.7 14.6 21.8

179 18.1 12.5 18.7



#15

Fluoranthene

Concen: 0.15 ng

RT: 15.22 min Scan# 2579

Delta R.T. -0.03 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

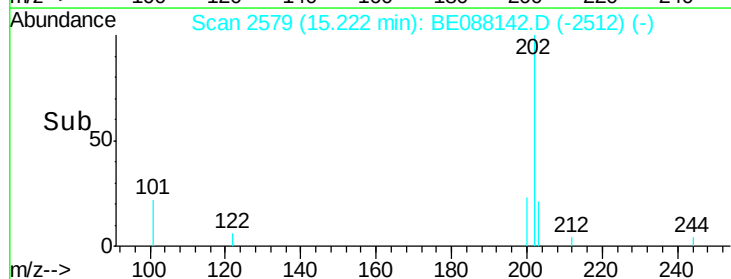
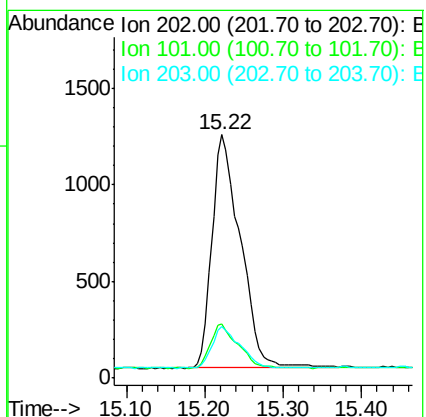
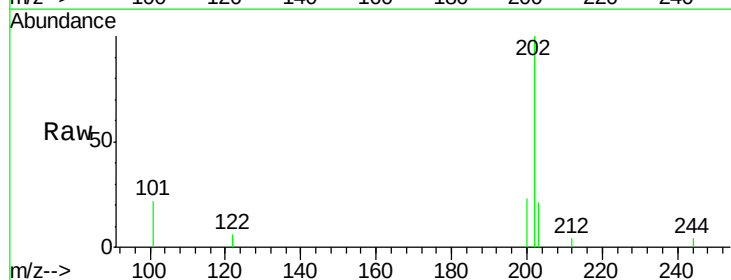
Tgt Ion:202 Resp: 3037

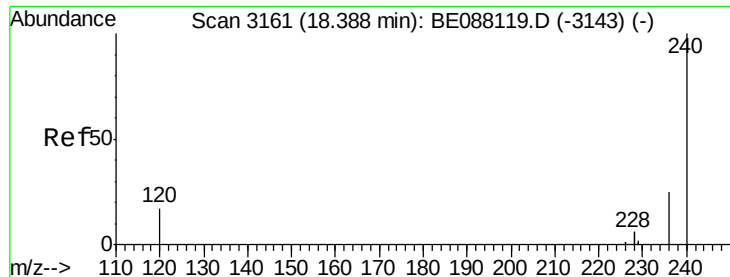
Ion Ratio Lower Upper

202 100

101 17.9 14.8 22.2

203 16.8 13.5 20.3





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

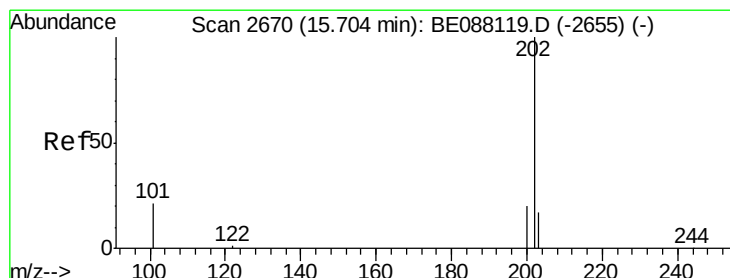
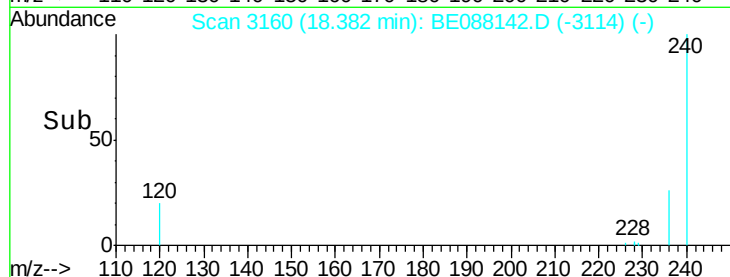
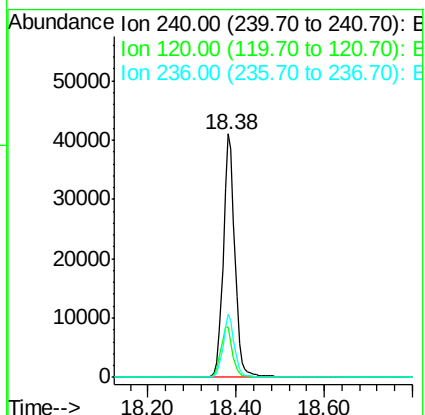
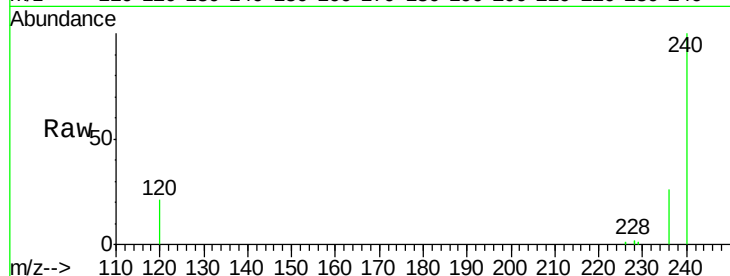
Tgt Ion:240 Resp: 74590

Ion Ratio Lower Upper

240 100

120 20.6 13.9 20.9

236 25.7 19.9 29.9



#17

Pyrene

Concen: 0.15 ng

RT: 15.68 min Scan# 2665

Delta R.T. -0.03 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

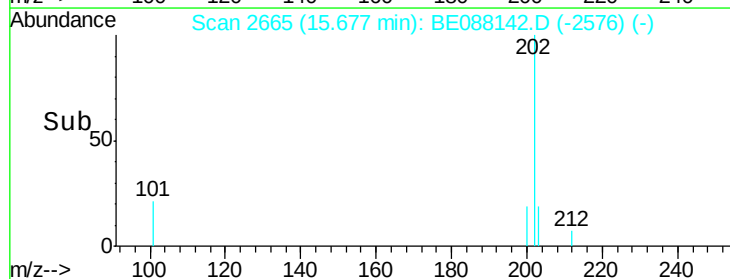
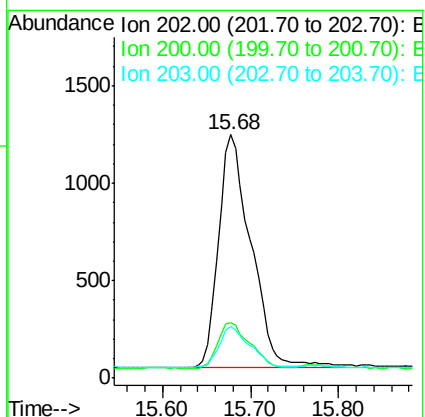
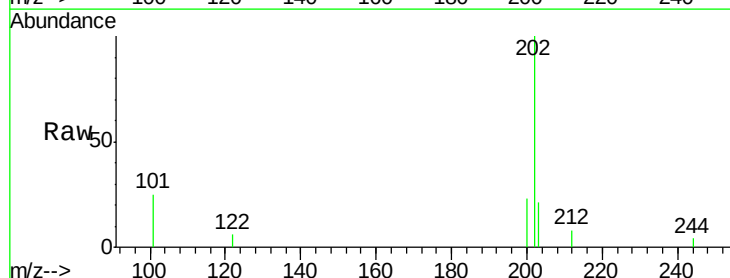
Tgt Ion:202 Resp: 3037

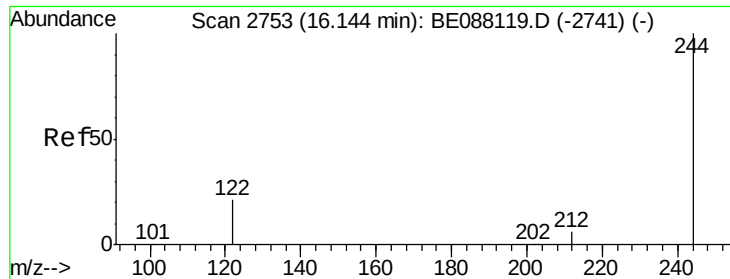
Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.7 13.9 20.9





#18

Terphenyl-d14

Concen: 7.90 ng

RT: 16.15 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

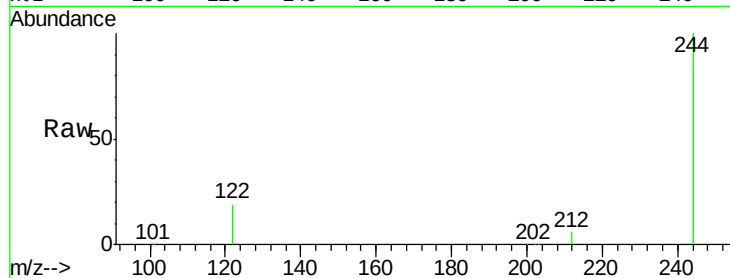
Tgt Ion:244 Resp: 94863

Ion Ratio Lower Upper

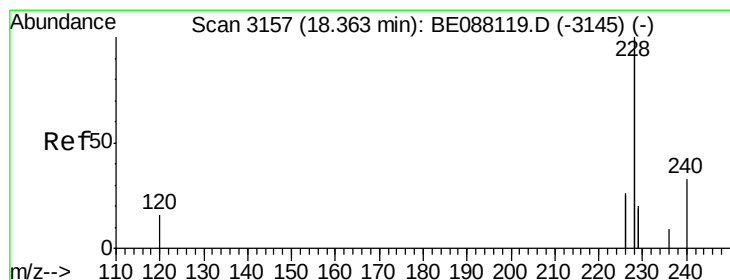
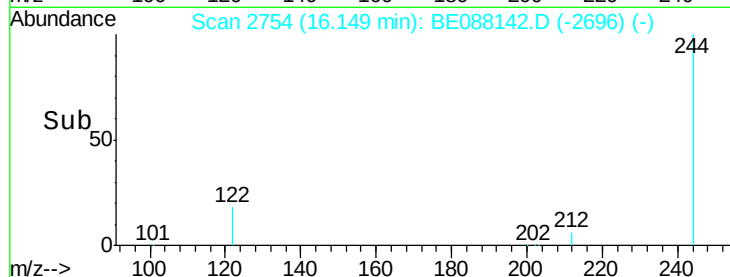
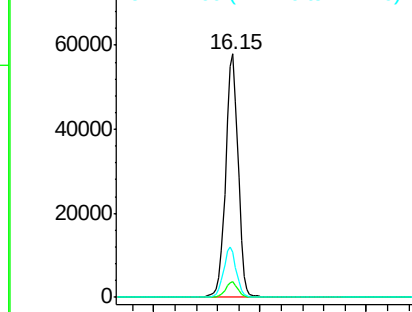
244 100

212 6.3 5.4 8.0

122 18.5 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: 0.11 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

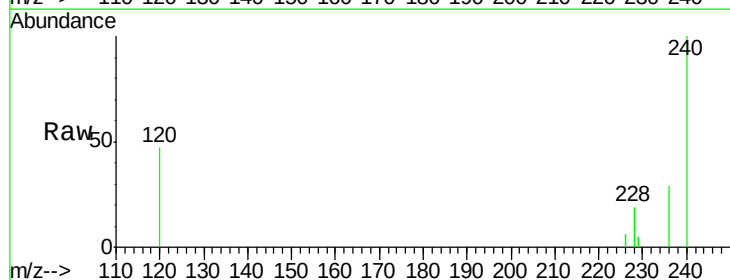
Tgt Ion:228 Resp: 7605

Ion Ratio Lower Upper

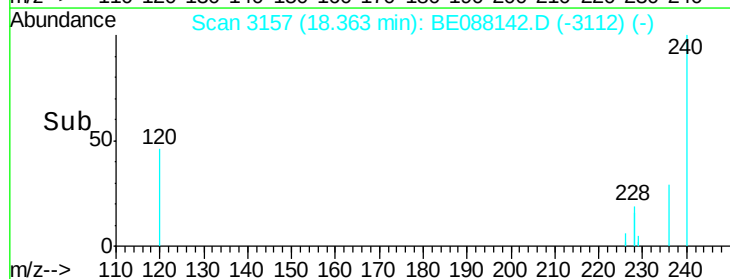
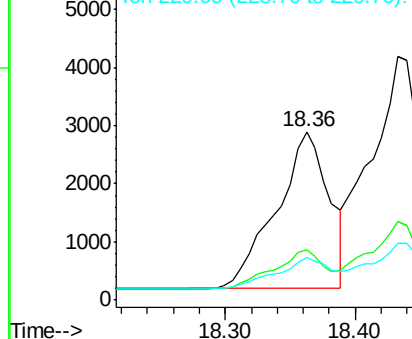
228 100

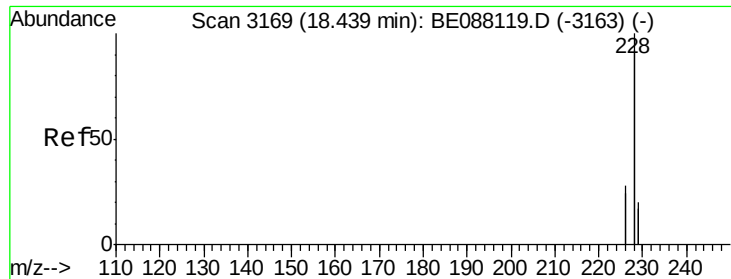
226 29.9 20.8 31.2

229 25.6 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: 0.18 ng

RT: 18.43 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

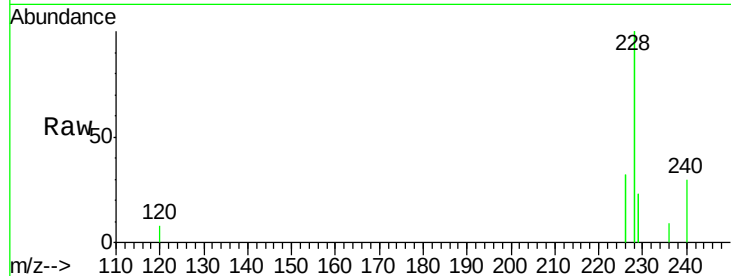
Tgt Ion:228 Resp: 11394

Ion Ratio Lower Upper

228 100

226 32.4 22.7 34.1

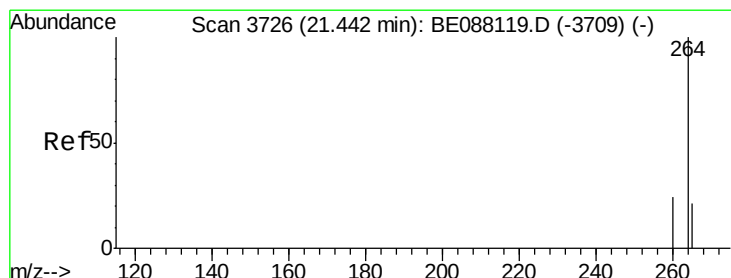
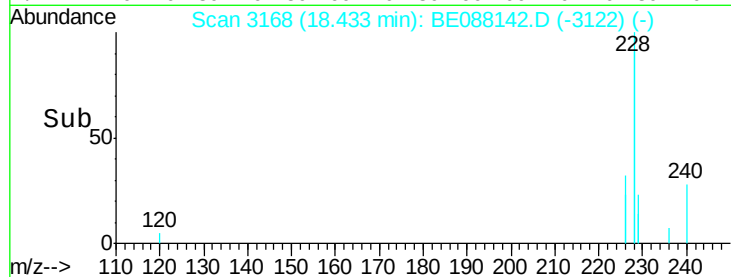
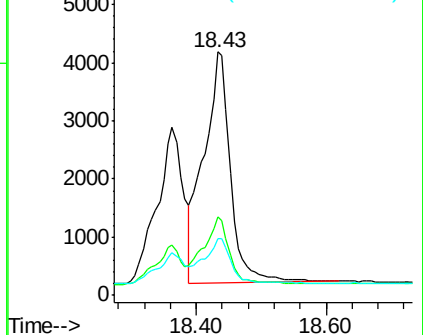
229 23.4 15.8 23.6



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# 3726

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

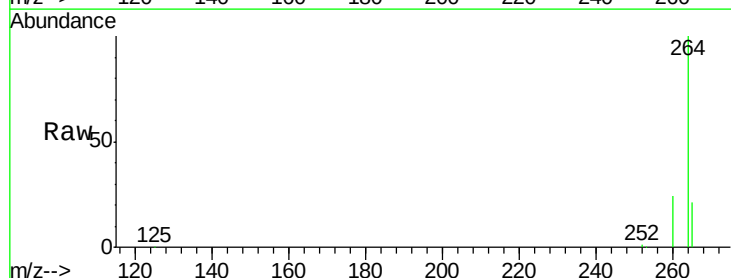
Tgt Ion:264 Resp: 70812

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

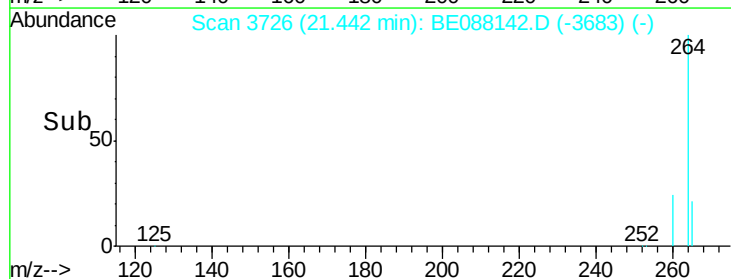
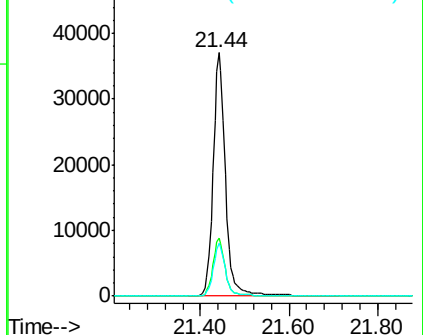
265 21.5 17.2 25.8

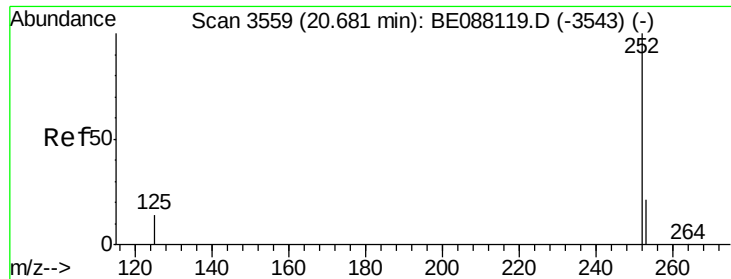


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 20.68 min Scan# 3559

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

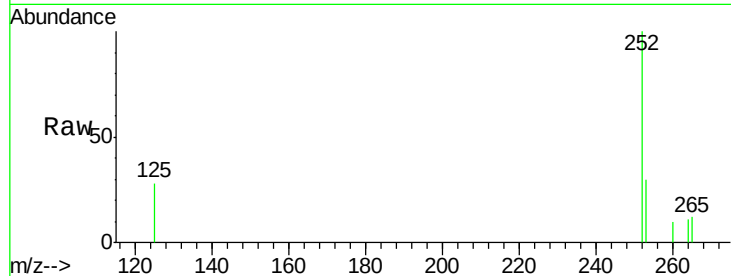
Tgt Ion:252 Resp: 902

Ion Ratio Lower Upper

252 100

253 30.0 17.4 26.0#

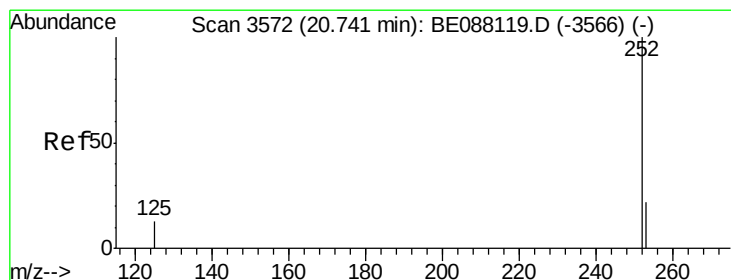
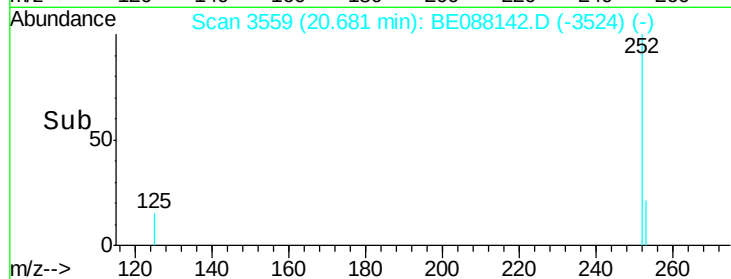
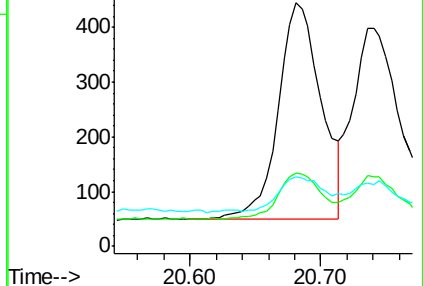
125 28.4 11.8 17.8#



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: 0.05 ng

RT: 20.74 min Scan# 3571

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

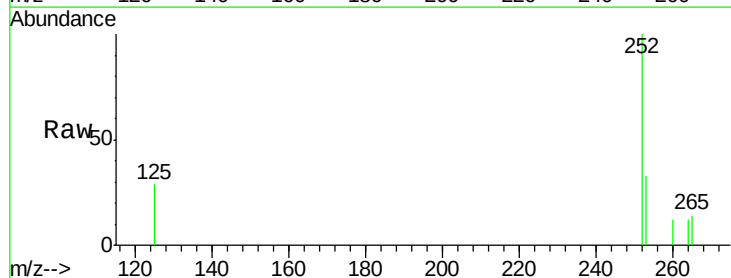
Tgt Ion:252 Resp: 912

Ion Ratio Lower Upper

252 100

253 32.7 17.6 26.4#

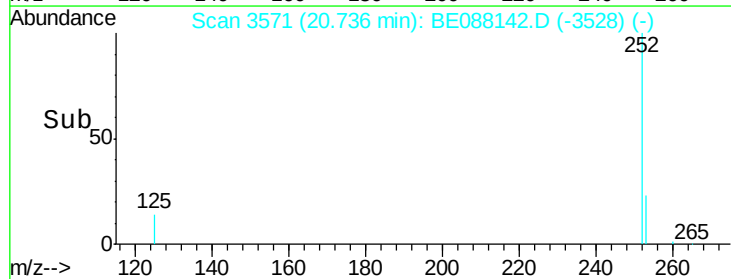
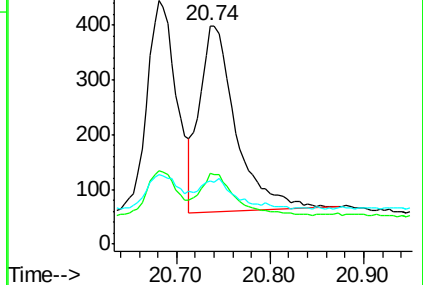
125 29.1 11.5 17.3#

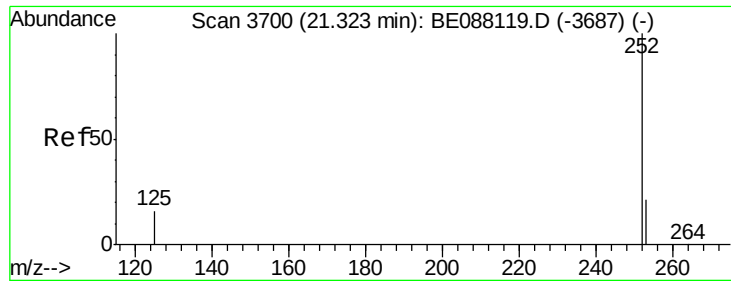


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.02 ng

RT: 21.32 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

Instrument :

BNA_E

ClientSampleId :

YS19-SW01-1014

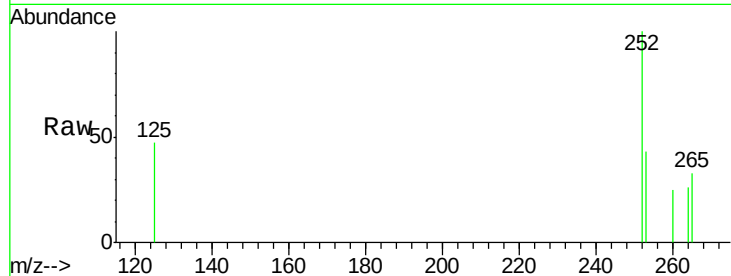
Tgt Ion: 252 Resp: 317

Ion Ratio Lower Upper

252 100

253 43.4 17.5 26.3#

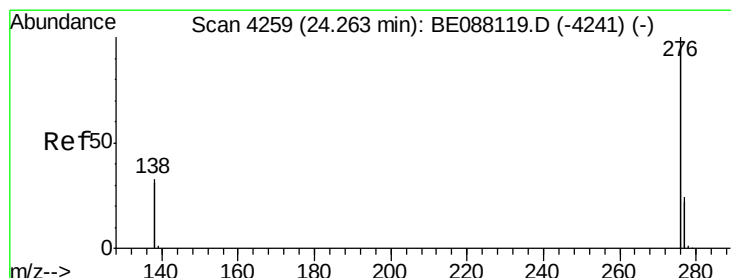
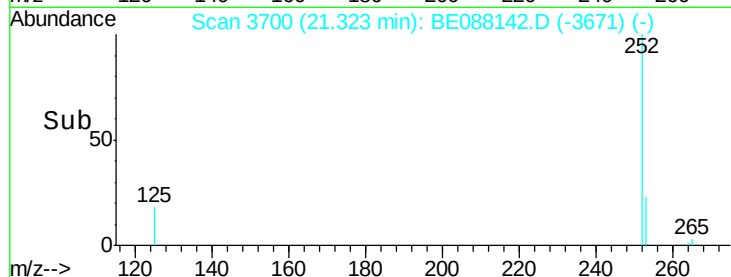
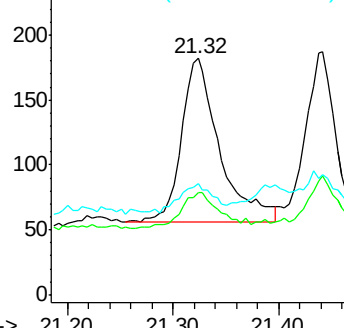
125 47.3 13.0 19.6#



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



#27

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 24.26 min Scan# 4259

Delta R.T. -0.00 min

Lab File: BE088142.D

Acq: 21 Oct 2014 15:12

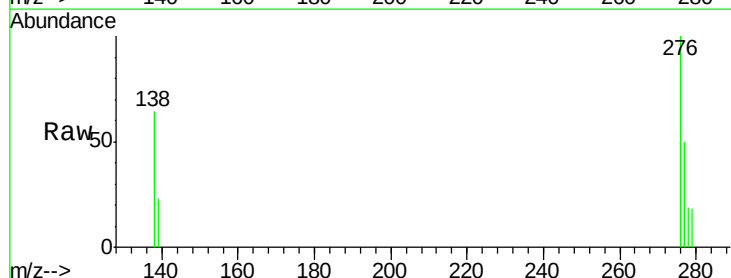
Tgt Ion: 276 Resp: 1520

Ion Ratio Lower Upper

276 100

277 50.4 19.2 28.8#

138 63.7 26.6 40.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

