

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
 Data File : BE088131.D
 Acq On : 21 Oct 2014 8:32
 Operator : TP/JJ
 Sample : F4303-10RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-GW12-1014A

Quant Time: Oct 21 14:47:41 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

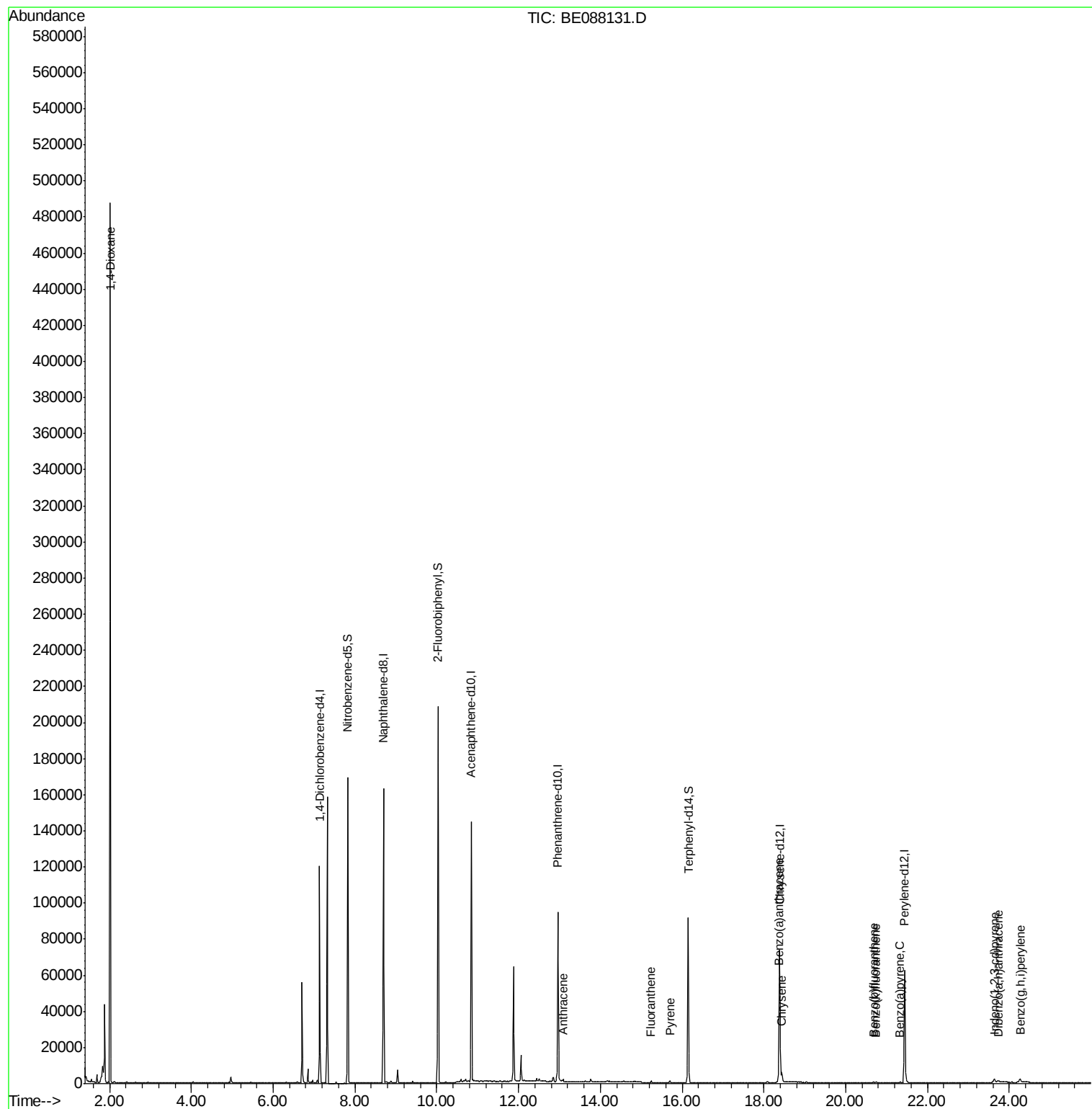
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	39695	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	147212	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	66681	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	119719	5.00	ng	0.00
16) Chrysene-d12	18.38	240	85710	5.00	ng	0.00
22) Perylene-d12	21.44	264	82195	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	85271	8.04	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	140008	7.60	ng	0.00
18) Terphenyl-d14	16.15	244	118699	8.61	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.02	88	15538	2.72	ng	# 1
13) Phenanthrene	13.01	178	6851	Below Cal		# 75
14) Anthracene	13.09	178	1956	0.02	ng	# 69
15) Fluoranthene	15.25	202	1589	0.07	ng	# 99
17) Pyrene	15.70	202	1796	0.08	ng	# 96
19) Benzo(a)anthracene	18.36	228	6959	0.09	ng	# 93
20) Chrysene	18.44	228	7406	0.10	ng	# 93
21) Indeno(1,2,3-cd)pyrene	23.63	276	3625	0.04	ng	# 87
23) Benzo(b)fluoranthene	20.68	252	1295	0.07	ng	# 84
24) Benzo(k)fluoranthene	20.74	252	1415	0.07	ng	# 83
25) Benzo(a)pyrene	21.32	252	1022	0.06	ng	# 78
26) Dibenzo(a,h)anthracene	23.73	278	912	0.05	ng	# 74
27) Benzo(g,h,i)perylene	24.26	276	4514	0.06	ng	# 79

(#) = 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: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

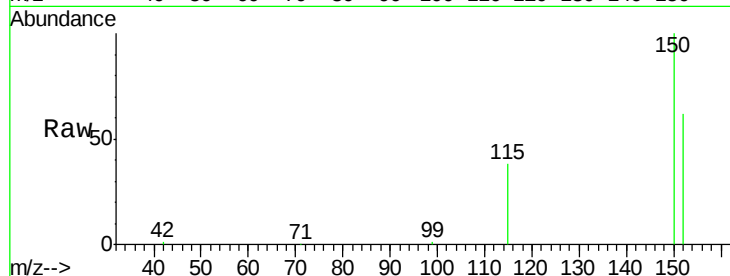
Tgt Ion:152 Resp: 39695

Ion Ratio Lower Upper

152 100

150 160.5 129.2 193.8

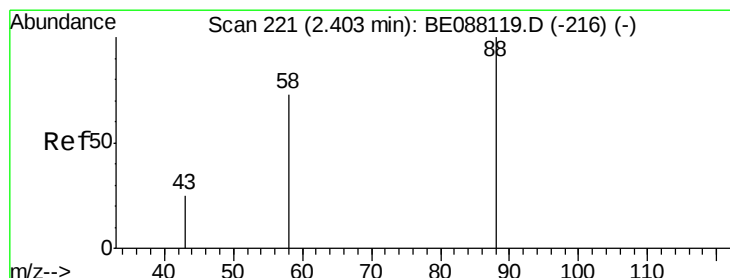
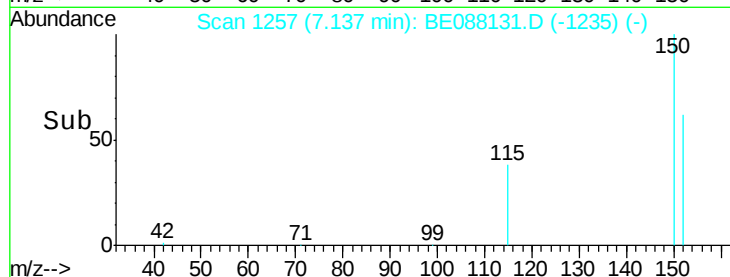
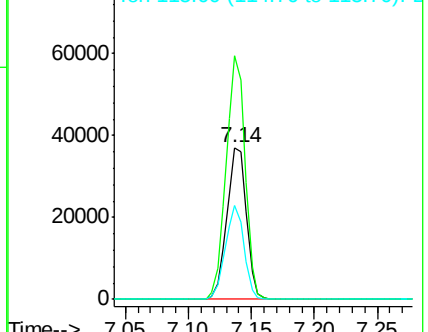
115 61.6 49.3 73.9



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: 2.72 ng

RT: 2.02 min Scan# 136

Delta R.T. -0.39 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

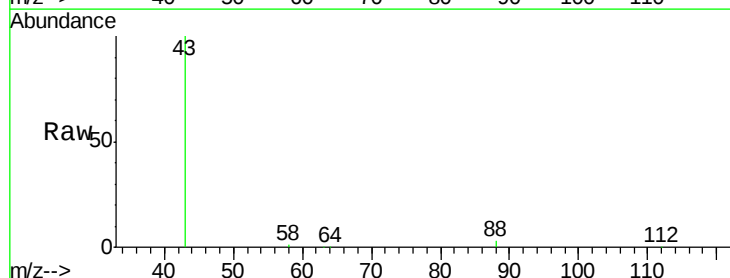
Tgt Ion: 88 Resp: 15538

Ion Ratio Lower Upper

88 100

58 28.3 59.5 89.3#

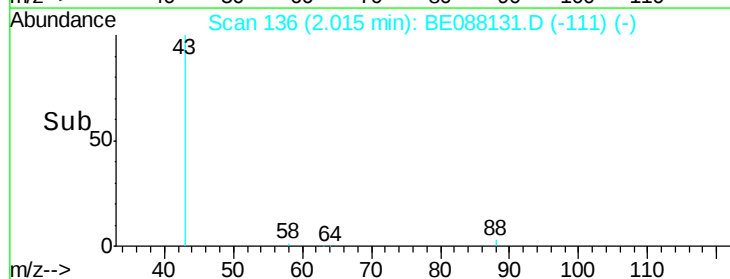
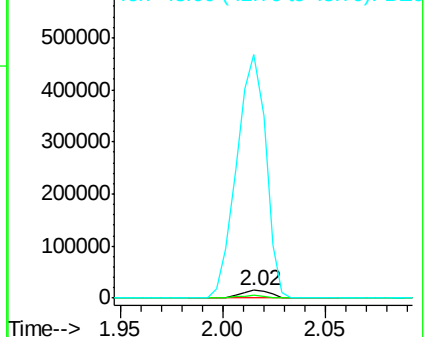
43 2979.2 21.2 31.8#

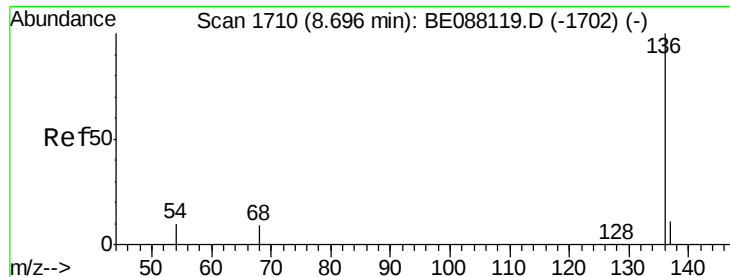


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

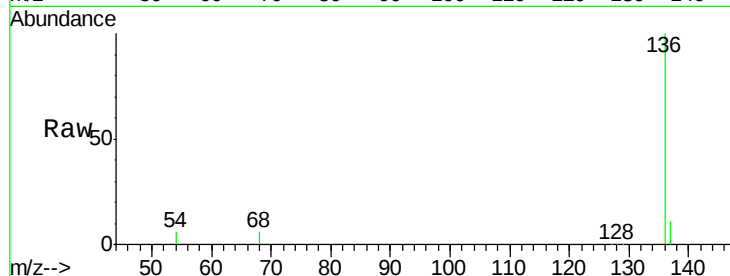




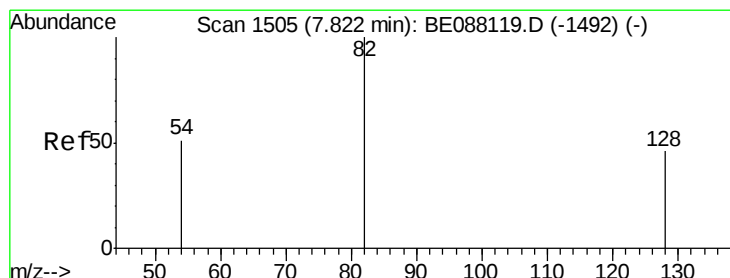
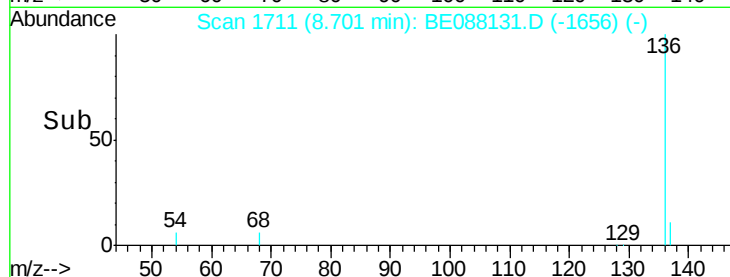
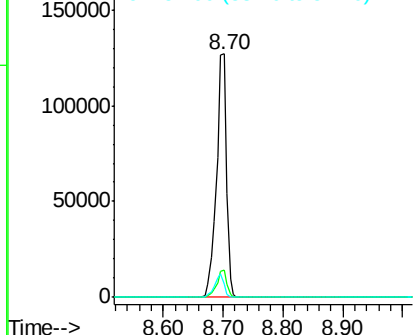
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088131.D
Acq: 21 Oct 2014 8:32

Instrument :
BNA_E
ClientSampleId :
YS19-GW12-1014A

Tgt Ion: 136 Resp: 147212
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 5.6 7.7 11.5#

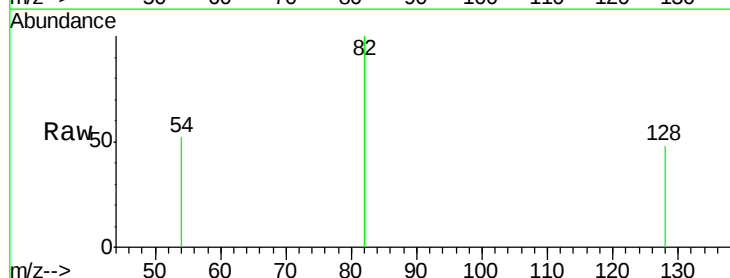


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

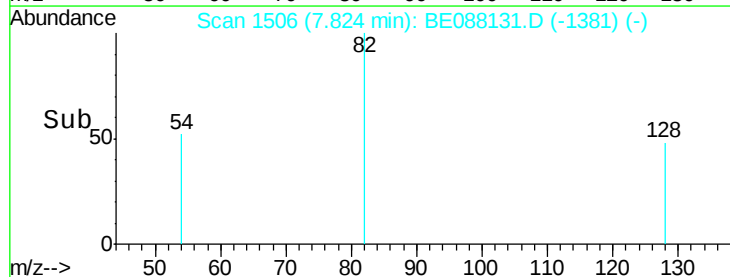
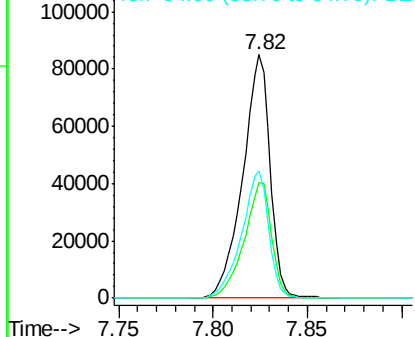


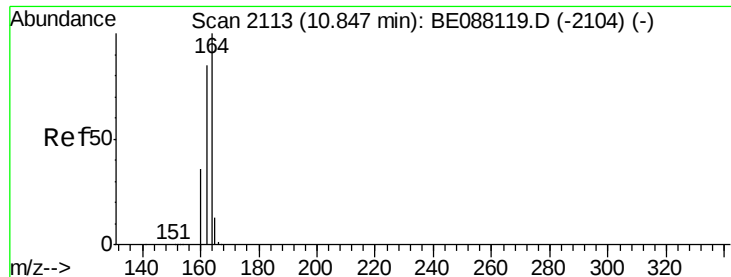
#4
Nitrobenzene-d5
Concen: 8.04 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088131.D
Acq: 21 Oct 2014 8:32

Tgt Ion: 82 Resp: 85271
Ion Ratio Lower Upper
82 100
128 47.7 37.1 55.7
54 52.0 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: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

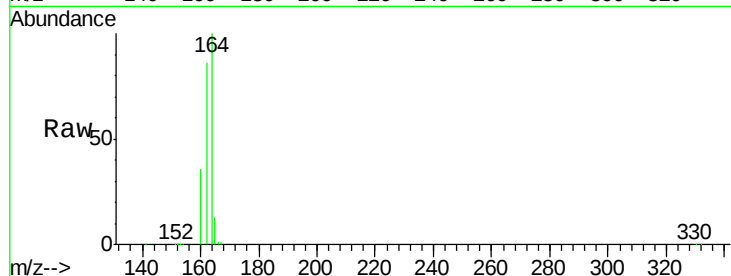
Tgt Ion:164 Resp: 66681

Ion Ratio Lower Upper

164 100

162 85.9 68.3 102.5

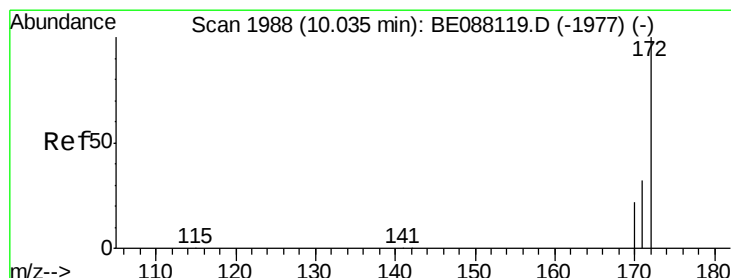
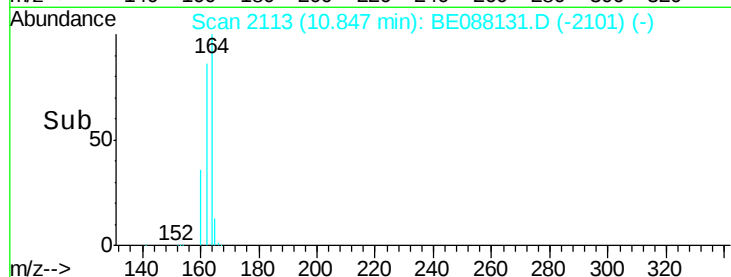
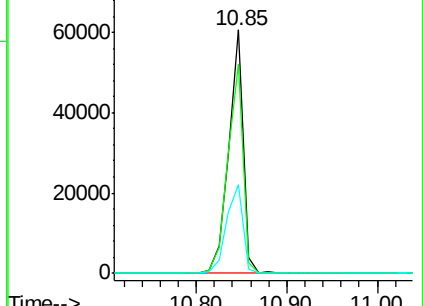
160 36.3 28.7 43.1



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: 7.60 ng

RT: 10.03 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

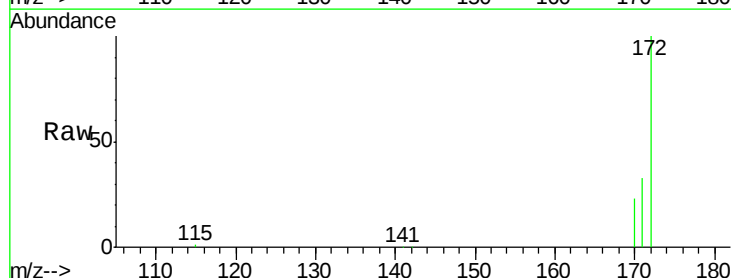
Tgt Ion:172 Resp: 140008

Ion Ratio Lower Upper

172 100

171 33.1 25.4 38.2

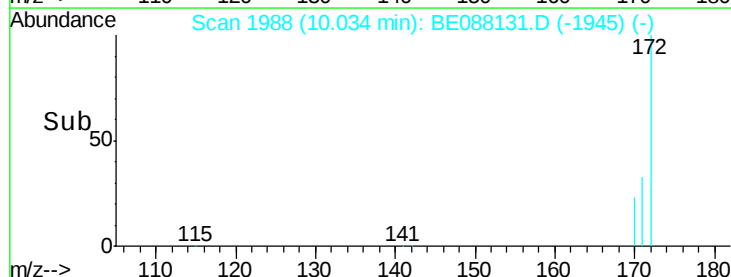
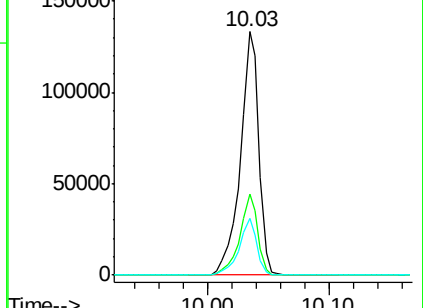
170 23.1 17.4 26.2

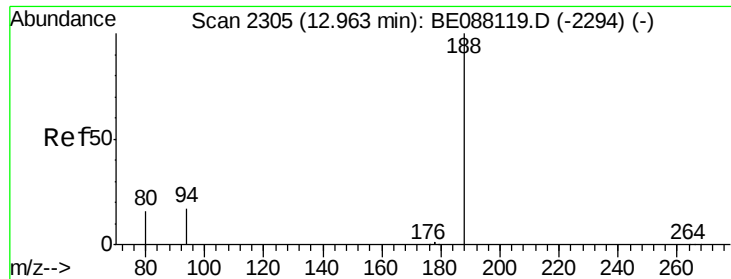


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

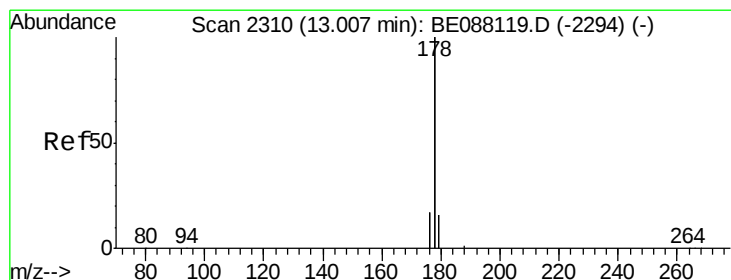
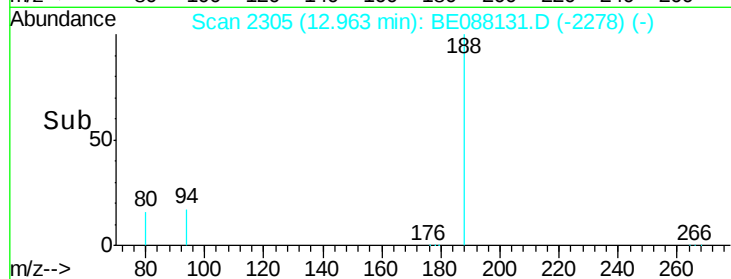
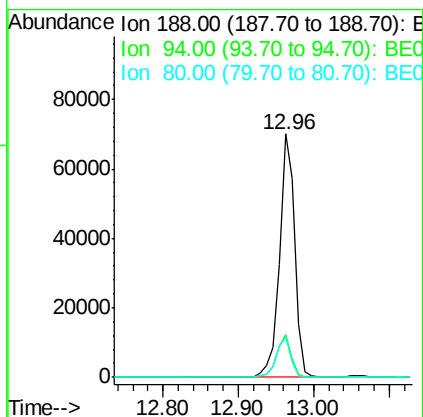
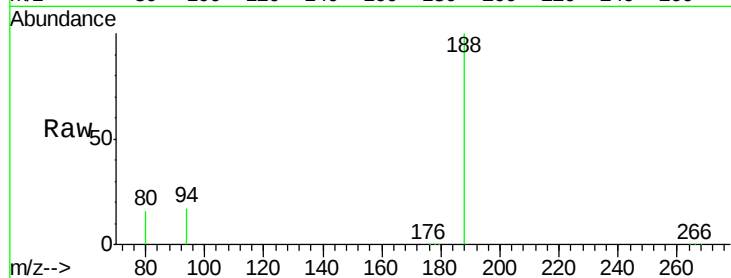




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BE088131.D
Acq: 21 Oct 2014 8:32

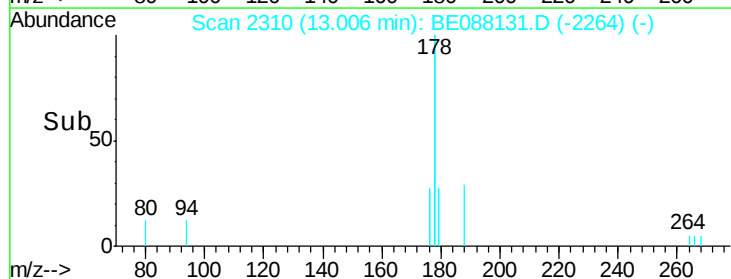
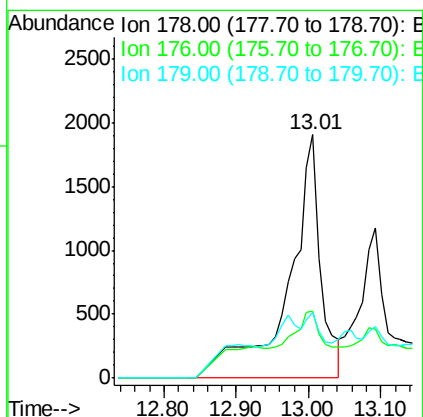
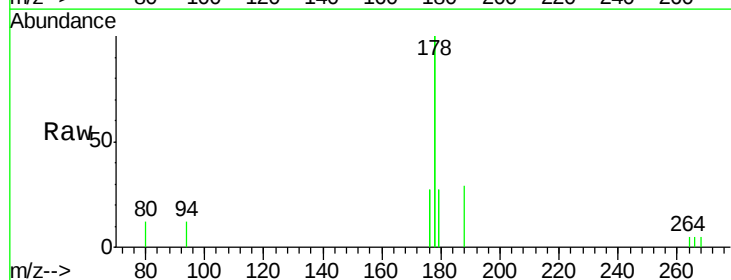
Instrument :
BNA_E
ClientSampleId :
YS19-GW12-1014A

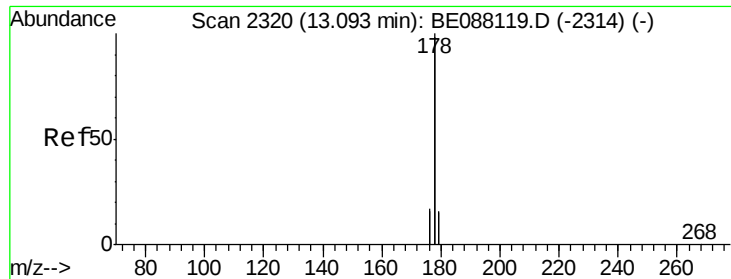
Tgt Ion:188 Resp: 119719
Ion Ratio Lower Upper
188 100
94 17.3 13.9 20.9
80 16.2 12.9 19.3



#13
Phenanthrene
Concen: Below Cal
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088131.D
Acq: 21 Oct 2014 8:32

Tgt Ion:178 Resp: 6851
Ion Ratio Lower Upper
178 100
176 19.6 12.5 18.7#
179 0.0 13.5 20.3#





#14

Anthracene

Concen: 0.02 ng

RT: 13.09 min Scan# 2320

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

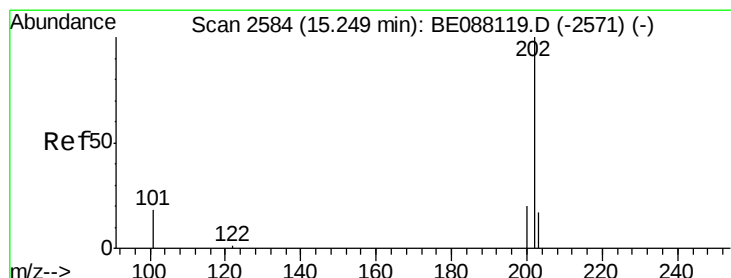
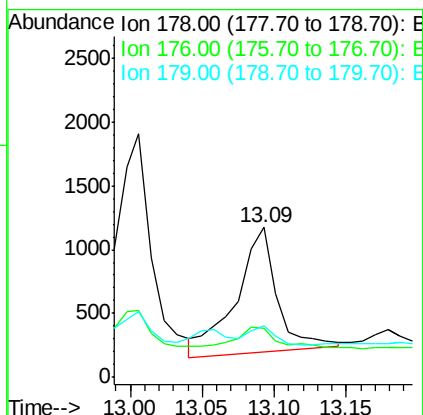
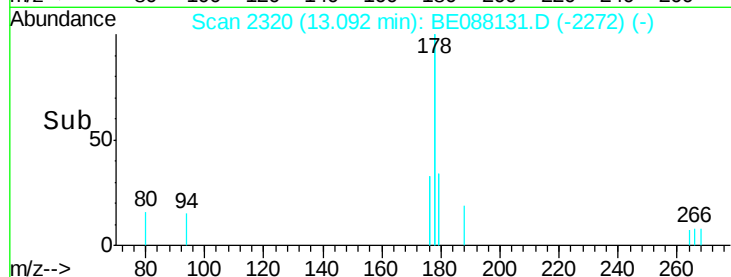
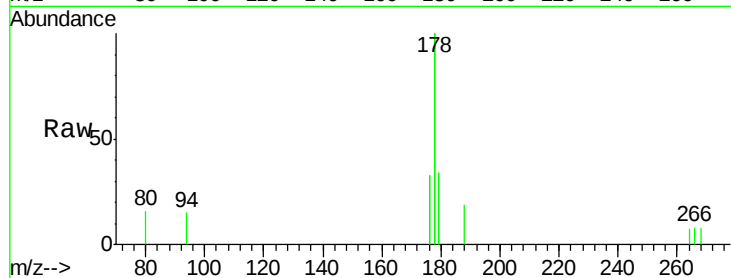
Tgt Ion:178 Resp: 1956

Ion Ratio Lower Upper

178 100

176 29.8 14.6 21.8#

179 0.0 12.5 18.7#



#15

Fluoranthene

Concen: 0.07 ng

RT: 15.25 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

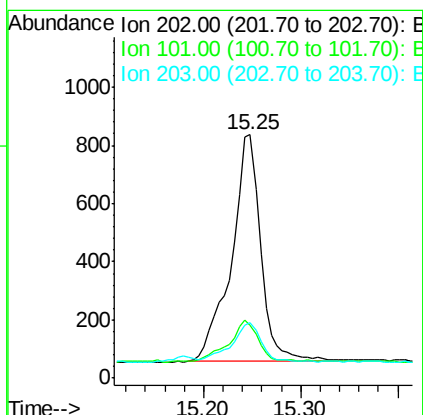
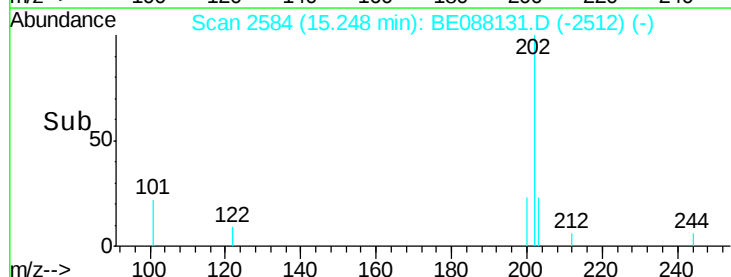
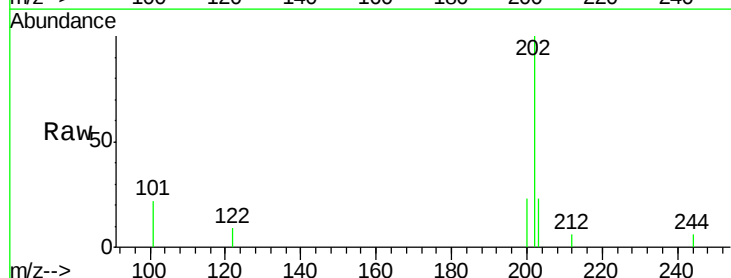
Tgt Ion:202 Resp: 1589

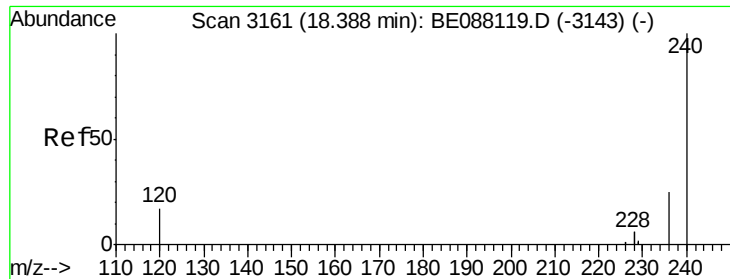
Ion Ratio Lower Upper

202 100

101 17.5 14.8 22.2

203 16.7 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: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

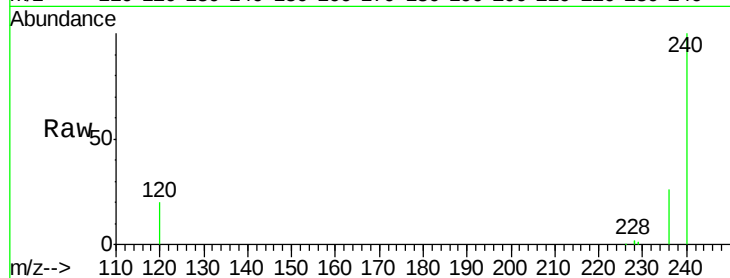
Tgt Ion:240 Resp: 85710

Ion Ratio Lower Upper

240 100

120 20.3 13.9 20.9

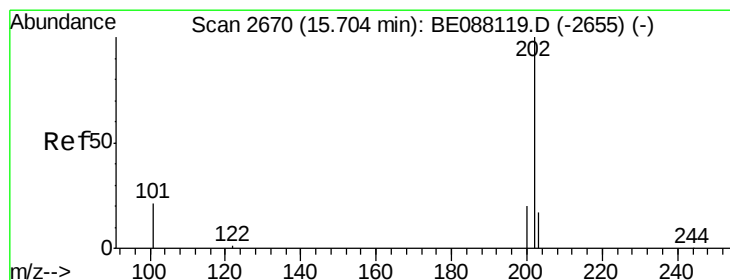
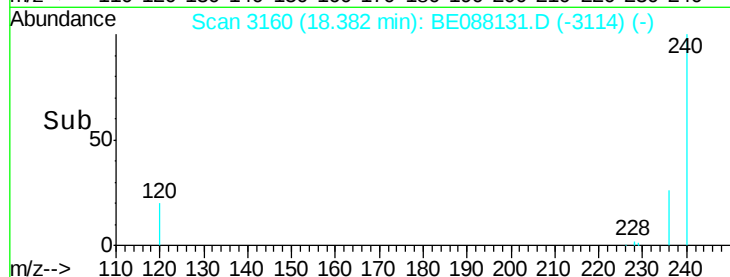
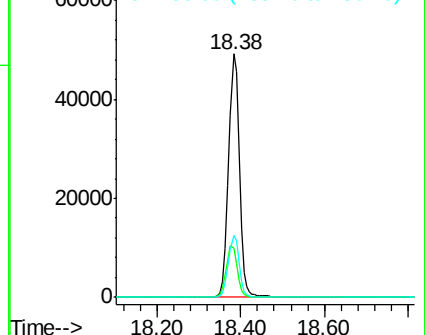
236 25.7 19.9 29.9



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: 0.08 ng

RT: 15.70 min Scan# 2670

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

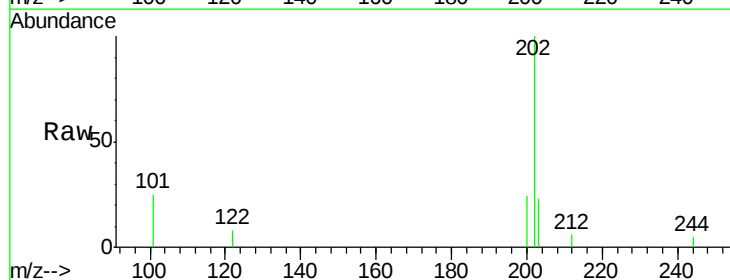
Tgt Ion:202 Resp: 1796

Ion Ratio Lower Upper

202 100

200 18.9 16.1 24.1

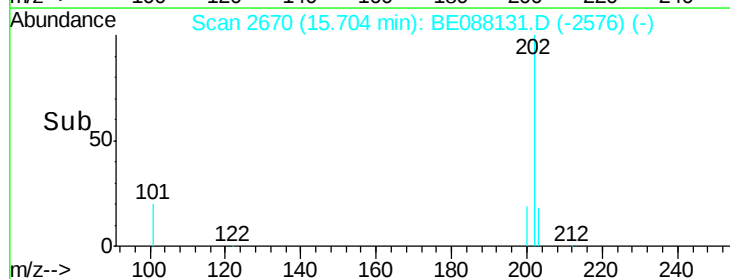
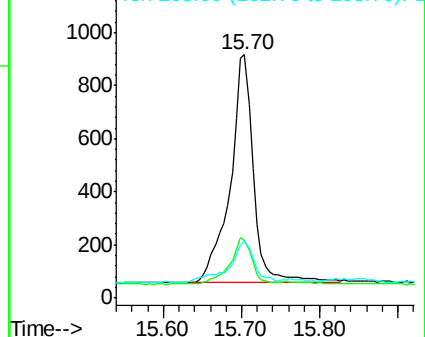
203 19.5 13.9 20.9

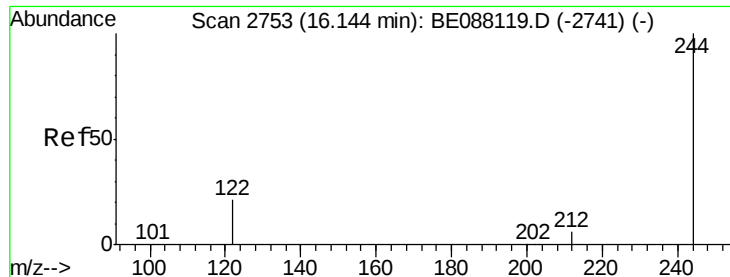


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 8.61 ng

RT: 16.15 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

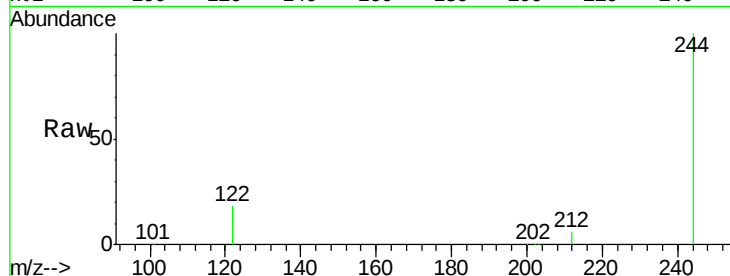
Tgt Ion:244 Resp: 118699

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

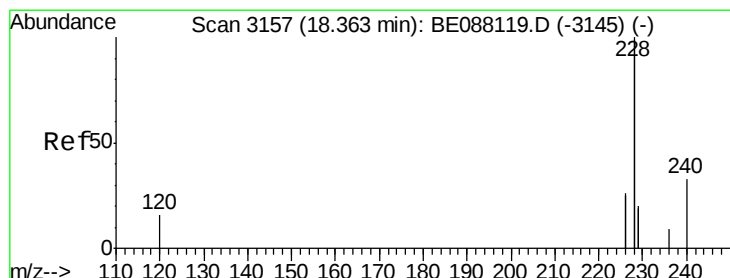
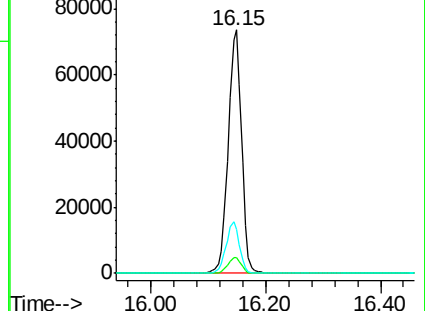
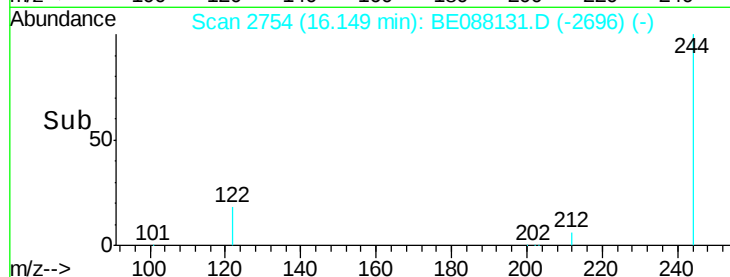
122 18.0 17.5 26.3



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: 0.09 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

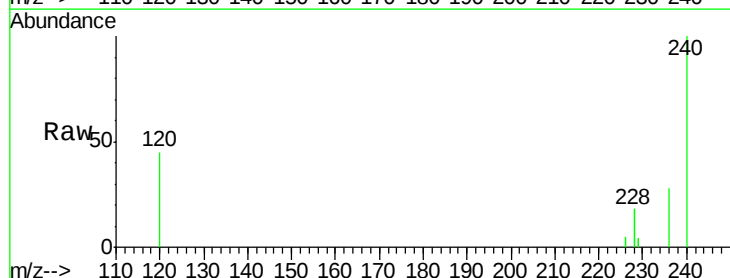
Tgt Ion:228 Resp: 6959

Ion Ratio Lower Upper

228 100

226 28.4 20.8 31.2

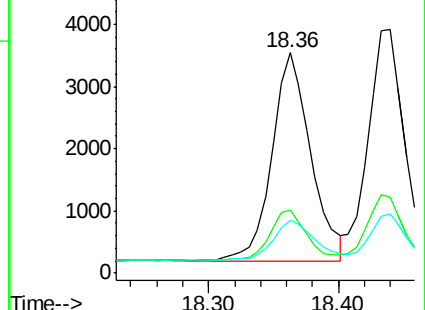
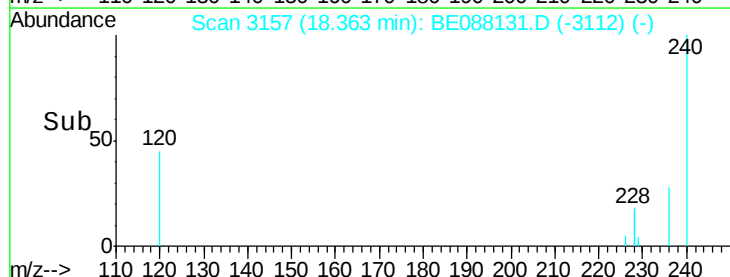
229 24.0 15.6 23.4#

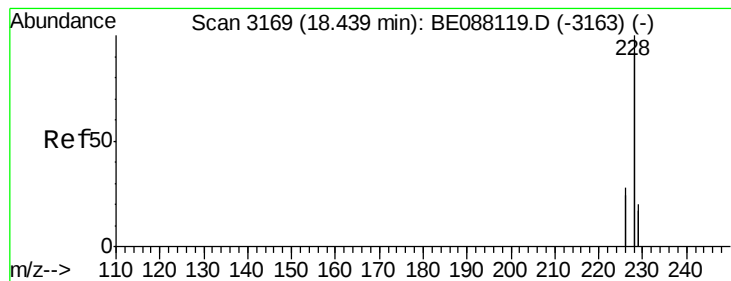


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.10 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

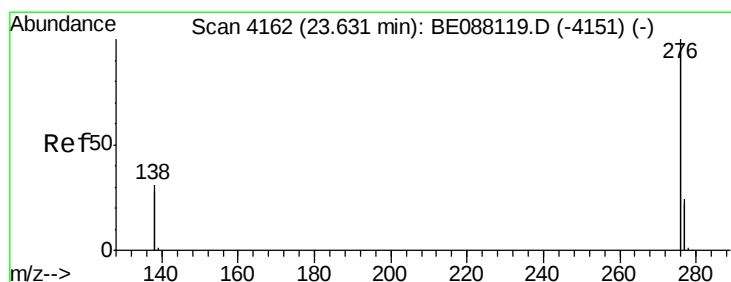
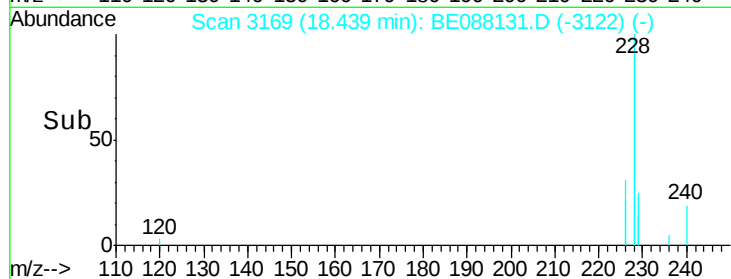
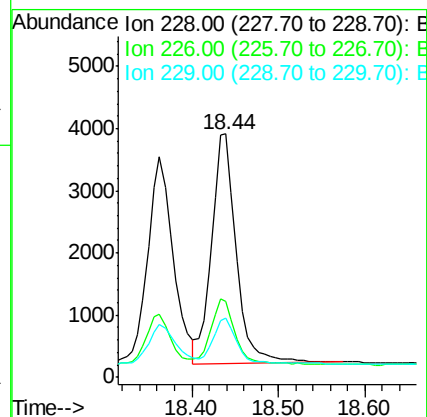
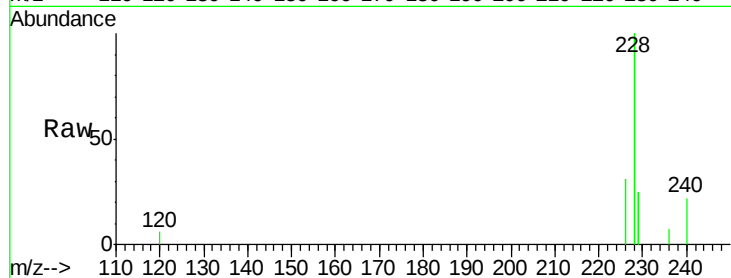
Tgt Ion:228 Resp: 7406

Ion Ratio Lower Upper

228 100

226 31.1 22.7 34.1

229 24.5 15.8 23.6#



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng

RT: 23.63 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

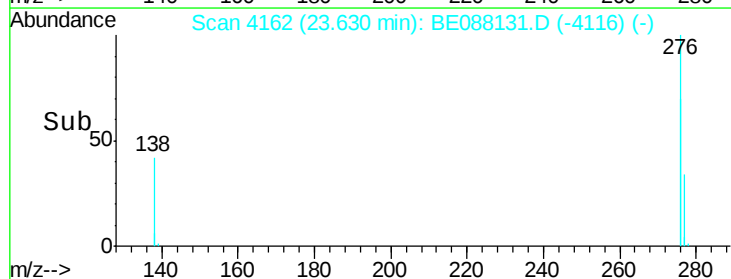
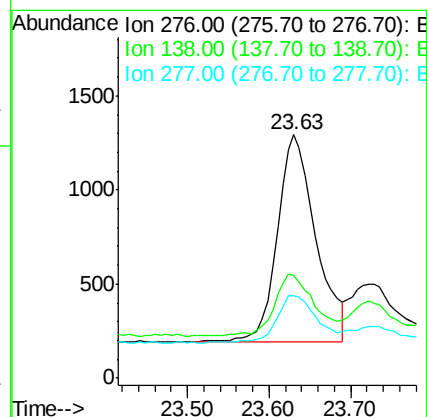
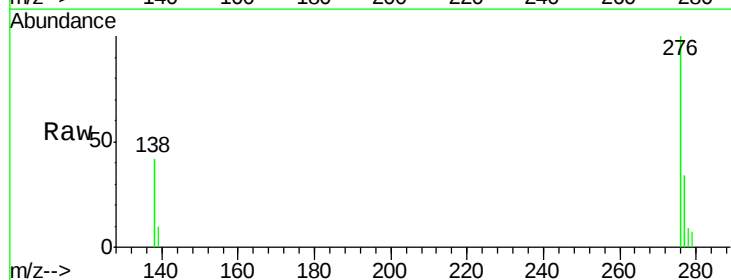
Tgt Ion:276 Resp: 3625

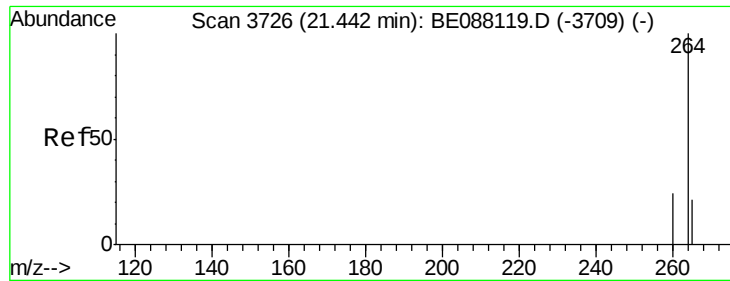
Ion Ratio Lower Upper

276 100

138 30.5 18.5 27.7#

277 22.7 14.6 21.8#

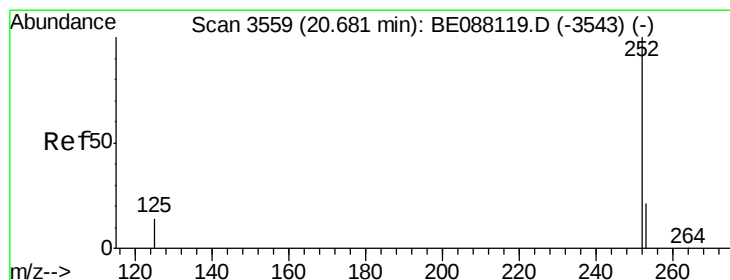
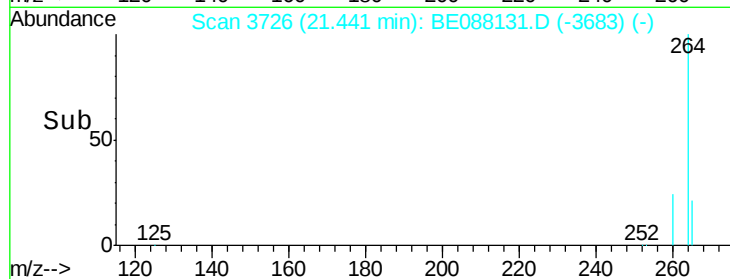
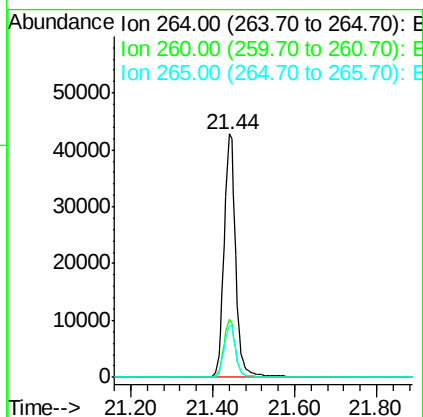
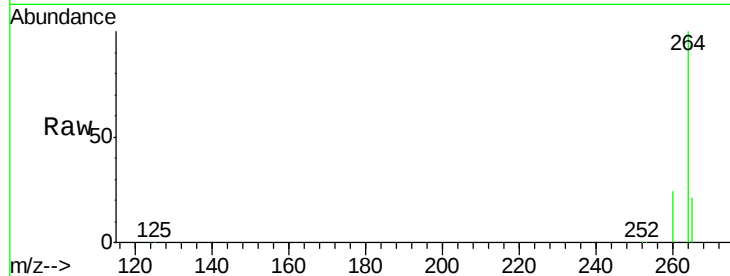




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. -0.00 min
 Lab File: BE088131.D
 Acq: 21 Oct 2014 8:32

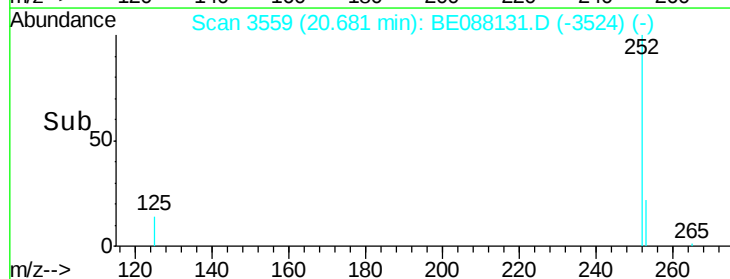
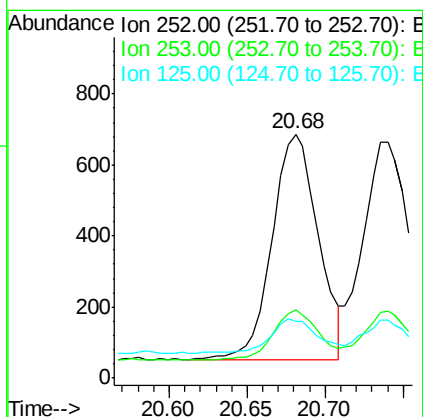
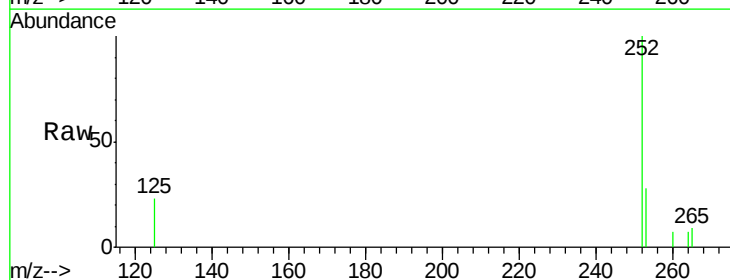
Instrument :
 BNA_E
 ClientSampleId :
 YS19-GW12-1014A

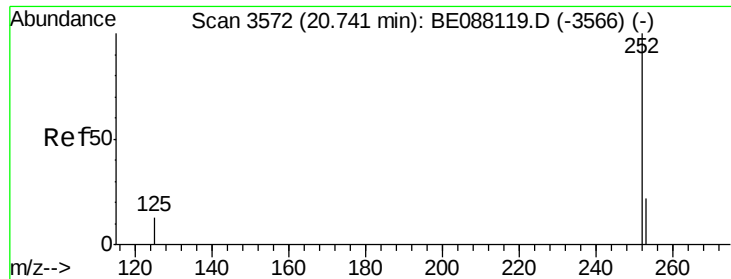
Tgt Ion: 264 Resp: 82195
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.4 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 0.07 ng
 RT: 20.68 min Scan# 3559
 Delta R.T. -0.00 min
 Lab File: BE088131.D
 Acq: 21 Oct 2014 8:32

Tgt Ion: 252 Resp: 1295
 Ion Ratio Lower Upper
 252 100
 253 27.8 17.4 26.0#
 125 23.3 11.8 17.8#





#24

Benzo(k)fluoranthene

Concen: 0.07 ng

RT: 20.74 min Scan# 3572

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

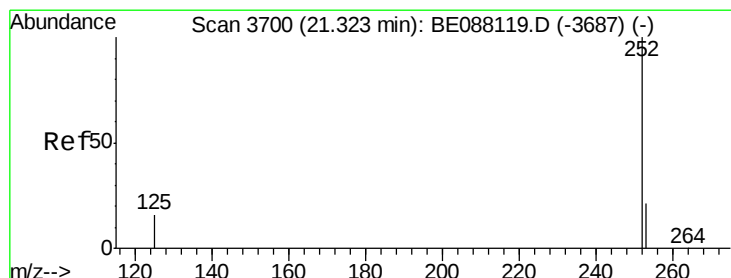
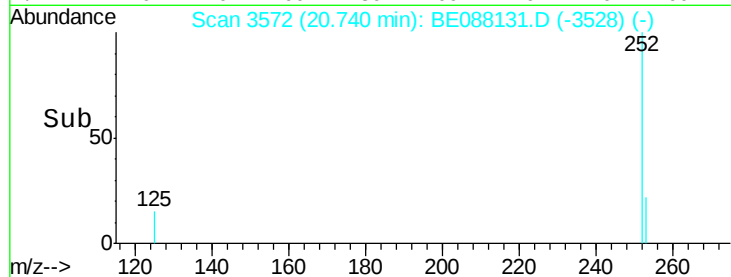
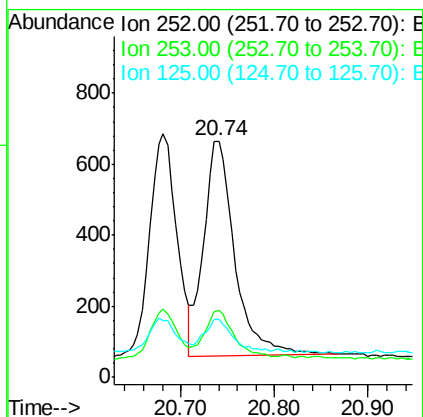
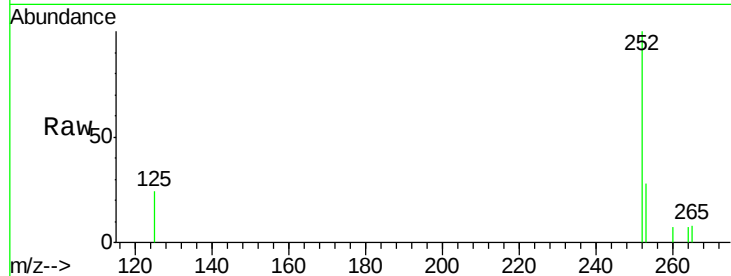
Tgt Ion: 252 Resp: 1415

Ion Ratio Lower Upper

252 100

253 28.1 17.6 26.4#

125 24.3 11.5 17.3#



#25

Benzo(a)pyrene

Concen: 0.06 ng

RT: 21.32 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

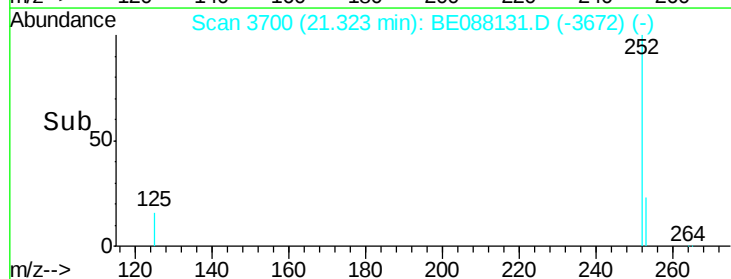
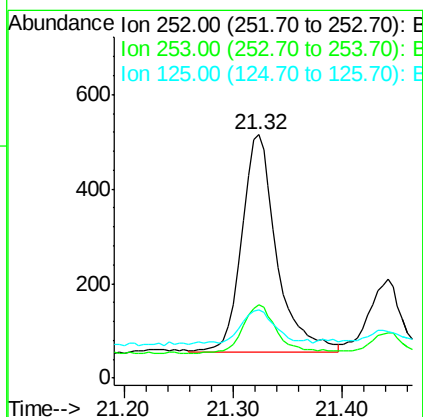
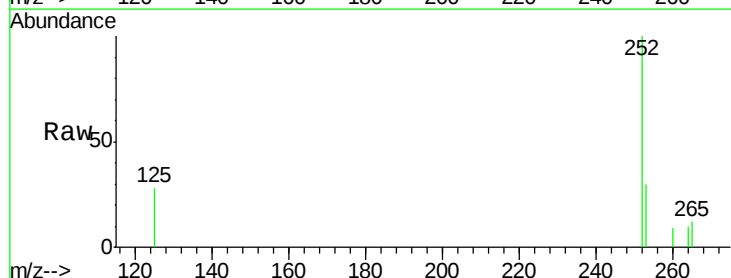
Tgt Ion: 252 Resp: 1022

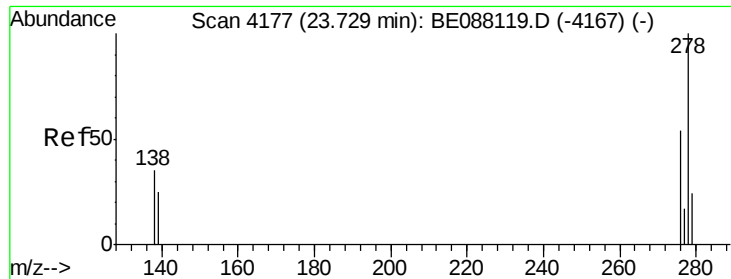
Ion Ratio Lower Upper

252 100

253 30.3 17.5 26.3#

125 28.2 13.0 19.6#





#26

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 23.73 min Scan# 4177

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

Instrument :

BNA_E

ClientSampleId :

YS19-GW12-1014A

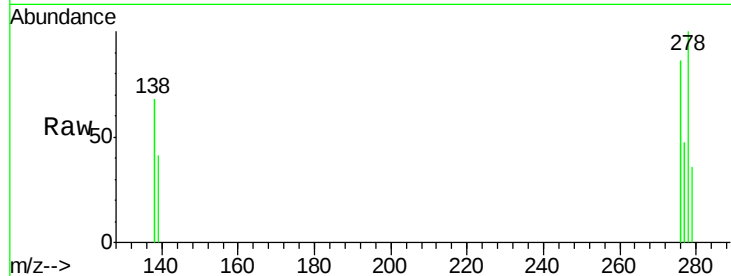
Tgt Ion: 278 Resp: 912

Ion Ratio Lower Upper

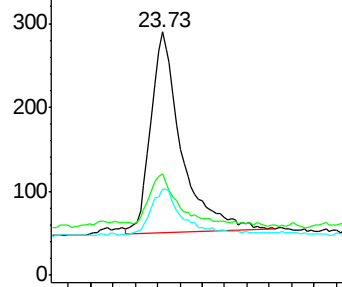
278 100

139 41.4 20.9 31.3#

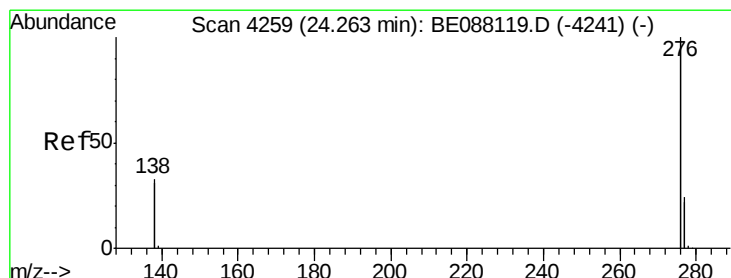
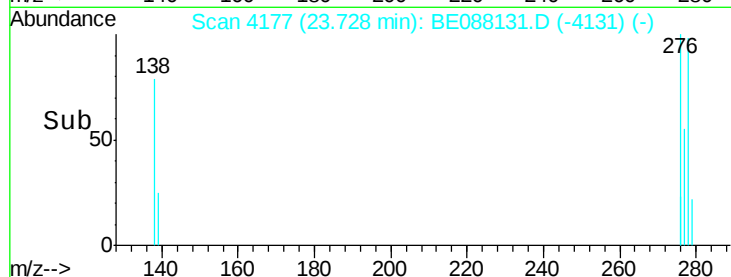
279 35.5 19.8 29.8#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->



#27

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 24.26 min Scan# 4259

Delta R.T. -0.00 min

Lab File: BE088131.D

Acq: 21 Oct 2014 8:32

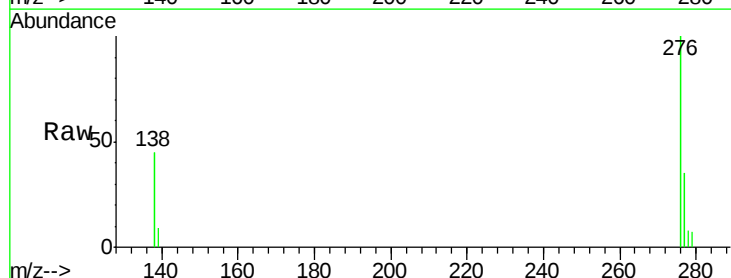
Tgt Ion: 276 Resp: 4514

Ion Ratio Lower Upper

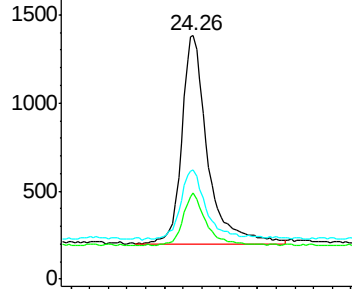
276 100

277 35.2 19.2 28.8#

138 44.9 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



Time-->

