

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088445.D
 Acq On : 1 Nov 2014 4:45
 Operator : TP/JJ
 Sample : F4379-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS37-1014

Quant Time: Nov 01 05:31:12 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	36900	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	128885	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	51308	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	91408	5.00	ng	0.00
16) Chrysene-d12	18.31	240	58567	5.00	ng	0.00
22) Perylene-d12	21.38	264	56509	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.79	82	533770	56.47	ng	0.01
8) 2-Fluorobiphenyl	9.99	172	570323	39.44	ng	0.00
18) Terphenyl-d14	16.09	244	332495	30.90	ng	0.01

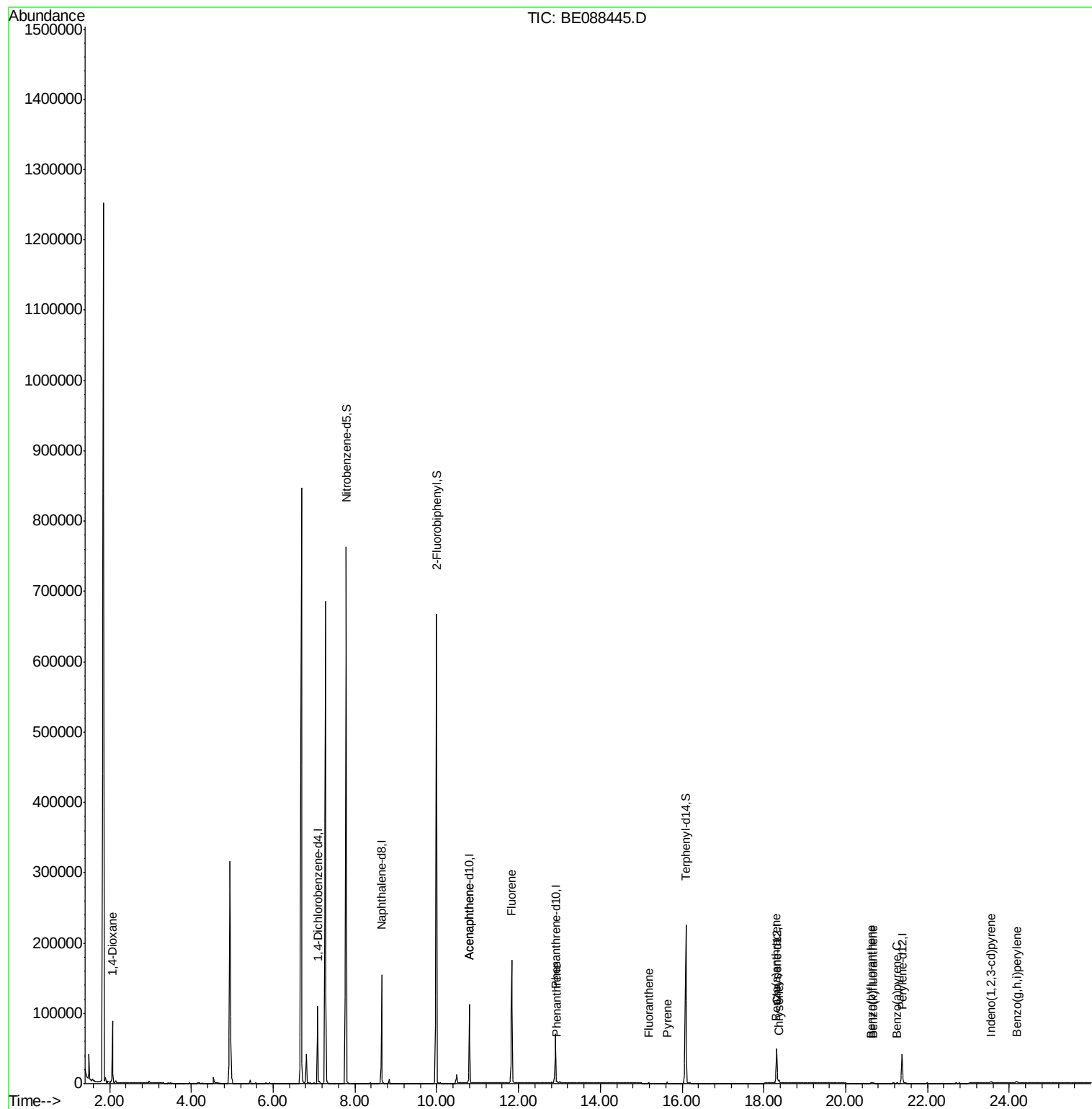
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.07	88	2892	0.60	ng	# 1
10) Acenaphthene	10.79	154	250	0.02	ng	# 1
11) Fluorene	11.83	166	6561	0.50	ng	# 81
13) Phenanthrene	12.94	178	4787	0.06	ng	# 61
15) Fluoranthene	15.18	202	1278	0.09	ng	99
17) Pyrene	15.63	202	1706	0.09	ng	98
19) Benzo(a)anthracene	18.29	228	3862	0.07	ng	# 82
20) Chrysene	18.37	228	5437	0.10	ng	# 88
21) Indeno(1,2,3-cd)pyrene	23.55	276	3192	0.06	ng	# 62
23) Benzo(b)fluoranthene	20.62	252	1892	0.15	ng	# 72
24) Benzo(k)fluoranthene	20.67	252	681	0.05	ng	# 54
25) Benzo(a)pyrene	21.26	252	1083	0.09	ng	# 69
27) Benzo(g,h,i)perylene	24.17	276	3660	0.07	ng	# 66

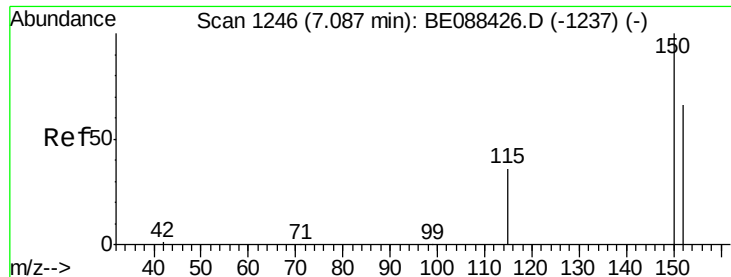
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

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YS19-SS37-1014

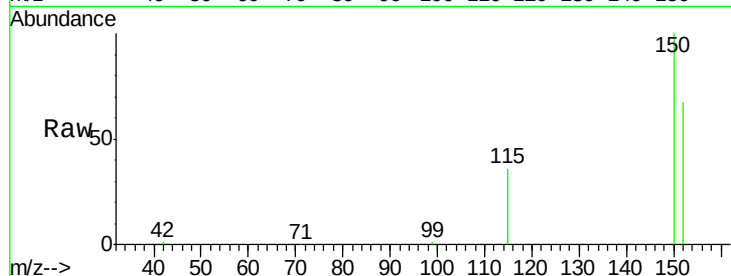
Tgt Ion:152 Resp: 36900

Ion Ratio Lower Upper

152 100

150 149.8 121.8 182.8

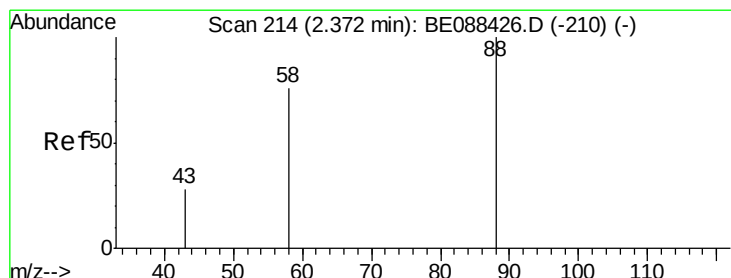
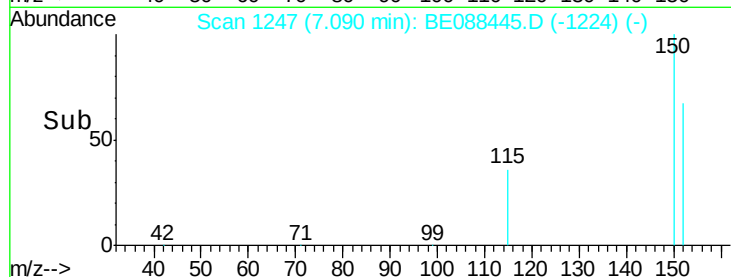
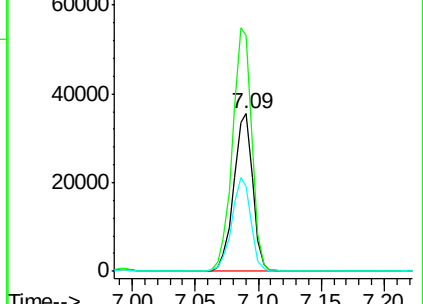
115 53.5 43.9 65.9



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: 0.60 ng

RT: 2.07 min Scan# 148

Delta R.T. -0.30 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

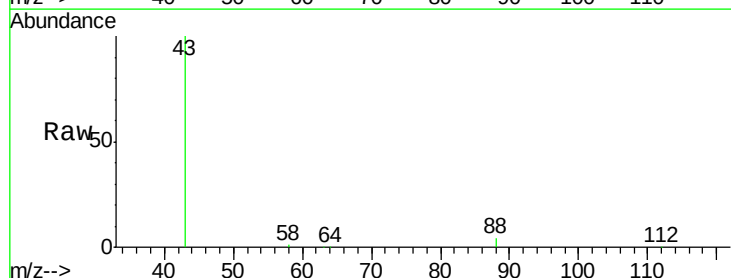
Tgt Ion: 88 Resp: 2892

Ion Ratio Lower Upper

88 100

58 25.0 59.1 88.7#

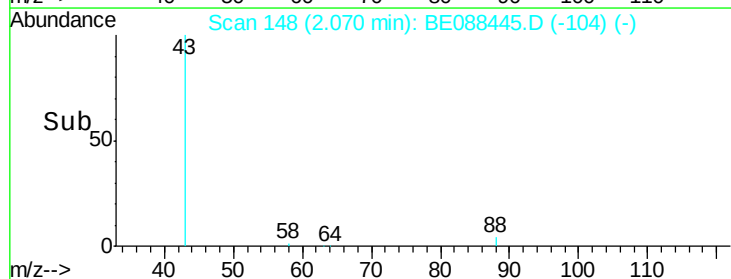
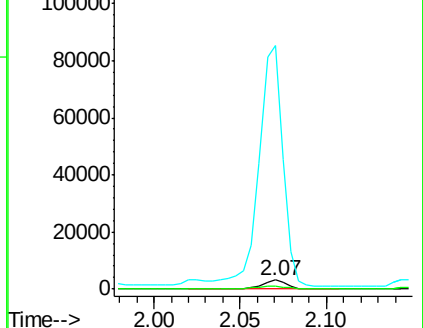
43 2792.7 21.9 32.9#

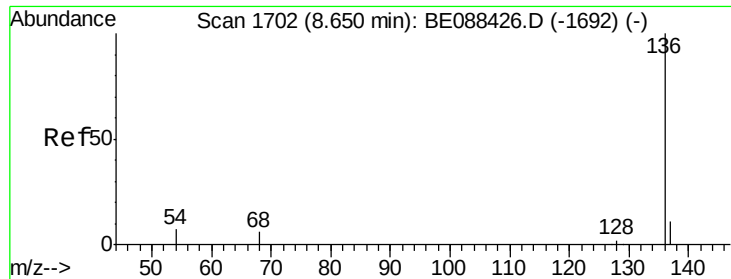


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.65 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

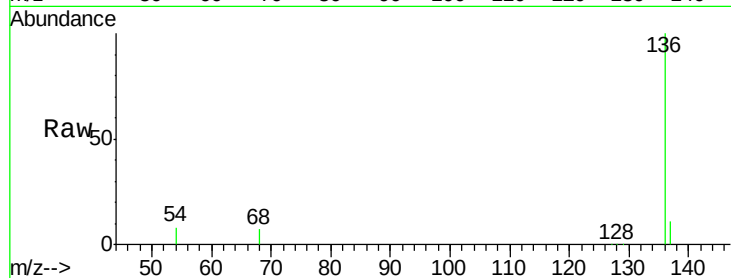
Tgt Ion: 136 Resp: 128885

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

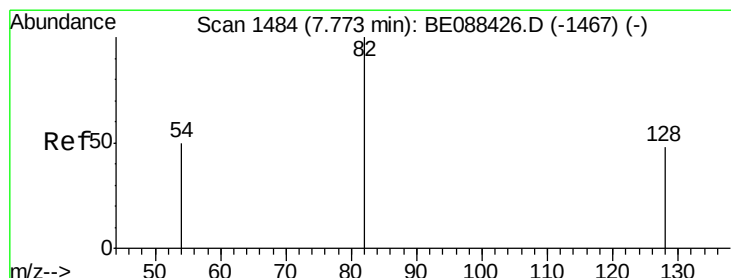
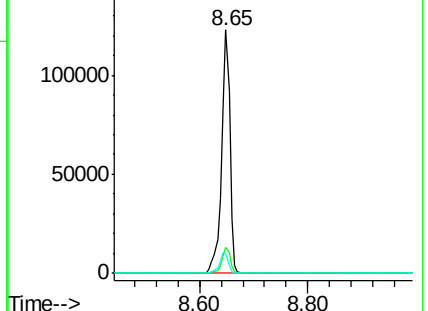
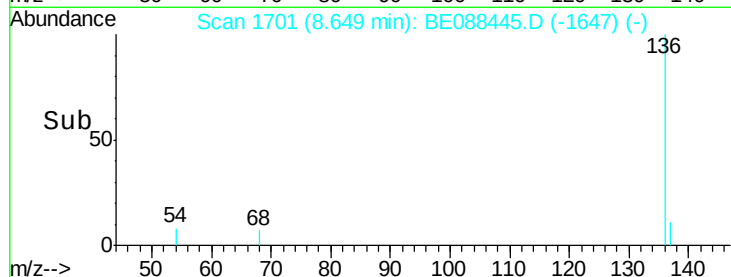
54 8.1 5.3 7.9#



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: 56.47 ng

RT: 7.79 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

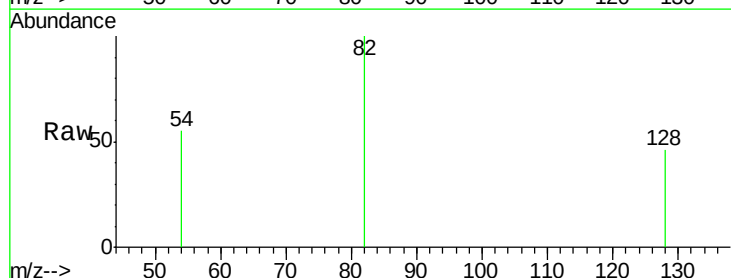
Tgt Ion: 82 Resp: 533770

Ion Ratio Lower Upper

82 100

128 46.0 38.4 57.6

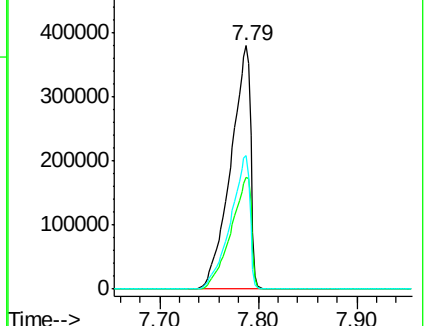
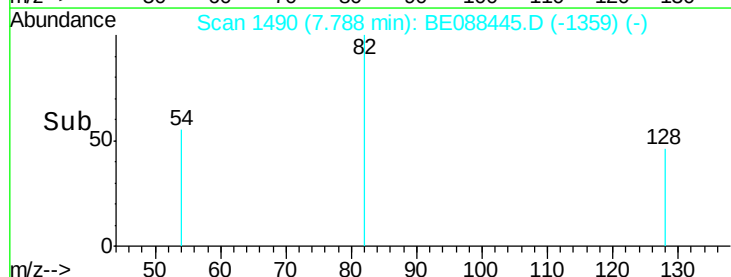
54 54.9 40.2 60.2

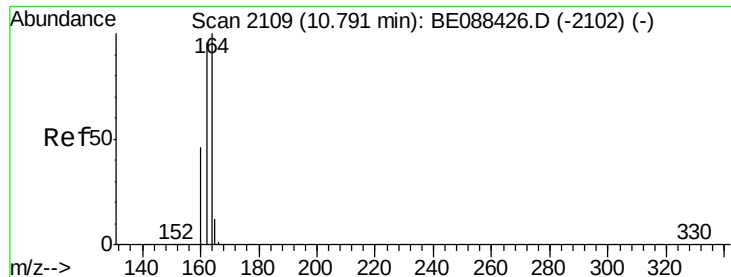


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

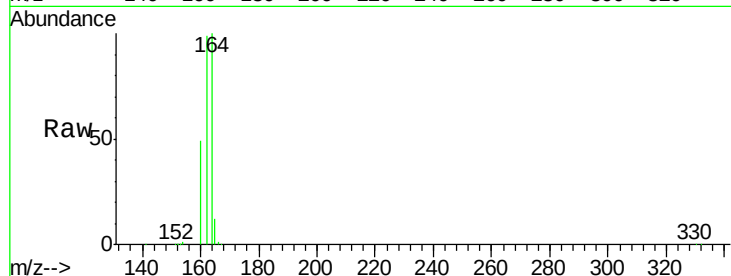
Tgt Ion:164 Resp: 51308

Ion Ratio Lower Upper

164 100

162 99.1 77.0 115.4

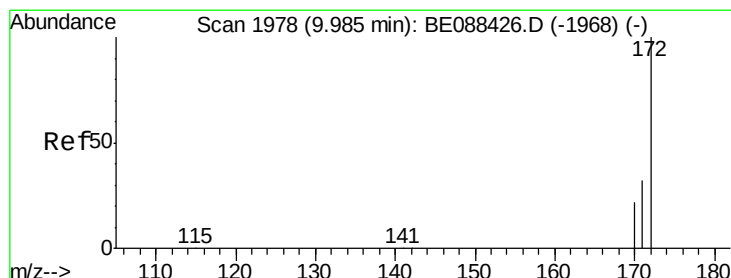
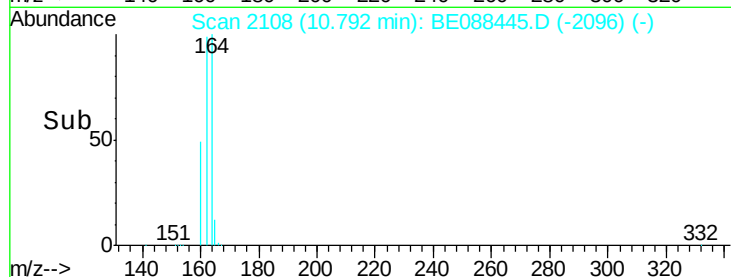
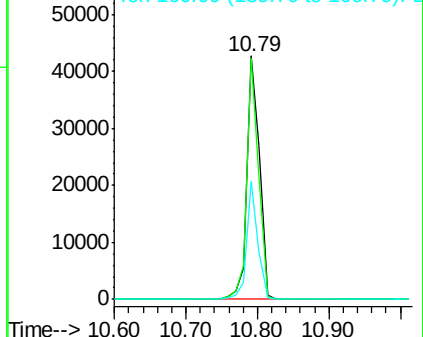
160 48.6 36.8 55.2



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: 39.44 ng

RT: 9.99 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

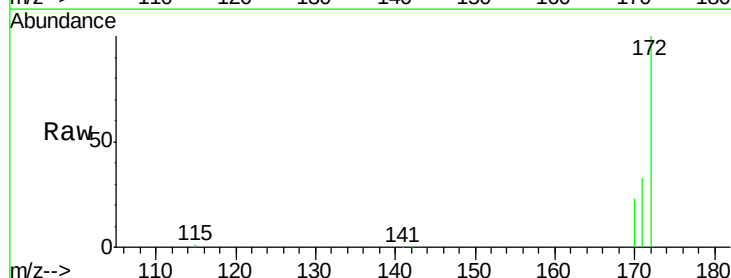
Tgt Ion:172 Resp: 570323

Ion Ratio Lower Upper

172 100

171 33.3 26.0 39.0

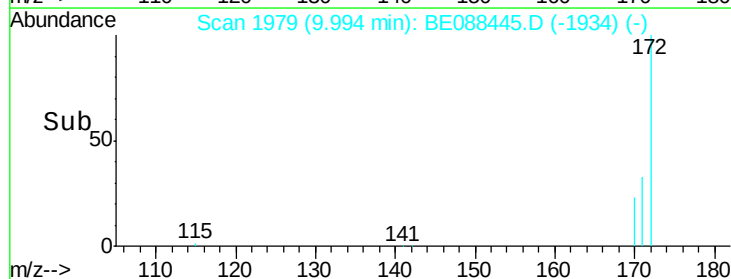
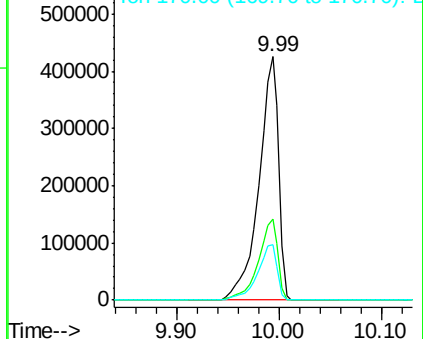
170 22.9 17.6 26.4

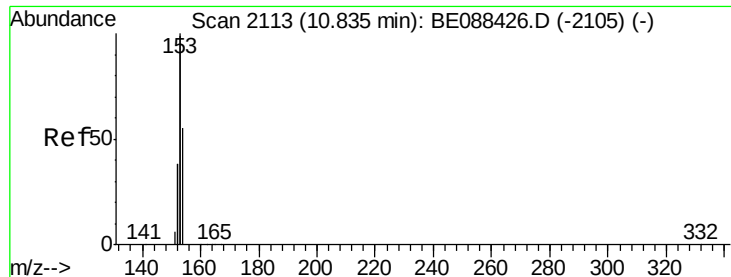


Abundance Ion 172.00 (171.70 to 172.70): E

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: 10.79 min Scan# 2108

Delta R.T. -0.04 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

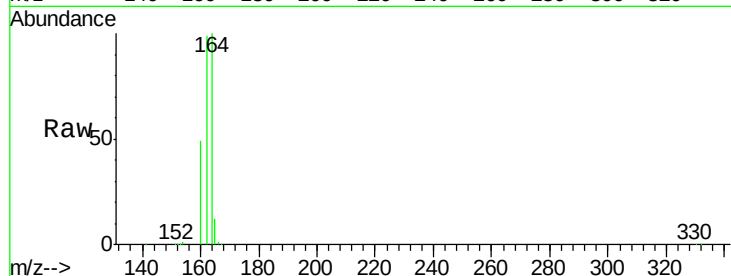
Tgt Ion:154 Resp: 250

Ion Ratio Lower Upper

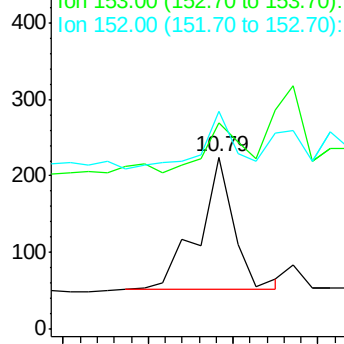
154 100

153 0.0 324.3 486.5#

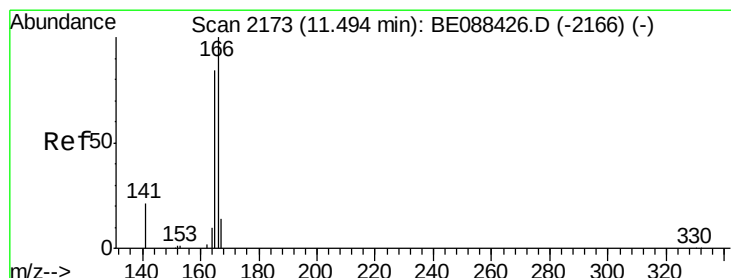
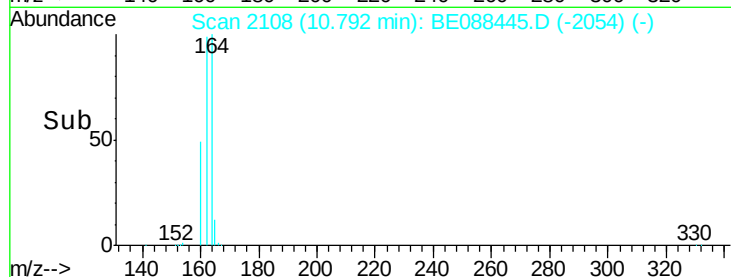
152 0.0 154.9 232.3#



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



Time-->



#11

Fluorene

Concen: 0.50 ng

RT: 11.83 min Scan# 2203

Delta R.T. 0.34 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

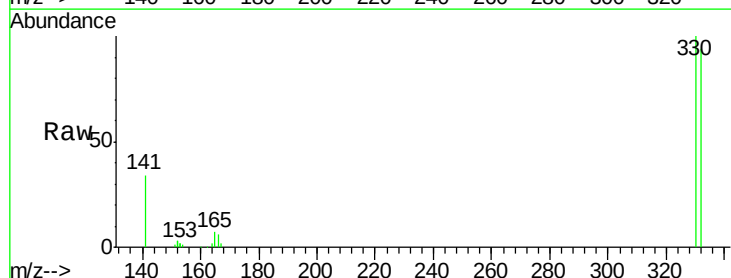
Tgt Ion:166 Resp: 6561

Ion Ratio Lower Upper

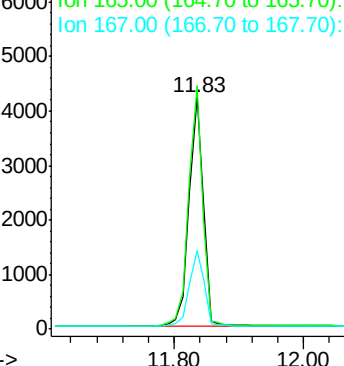
166 100

165 102.4 71.3 106.9

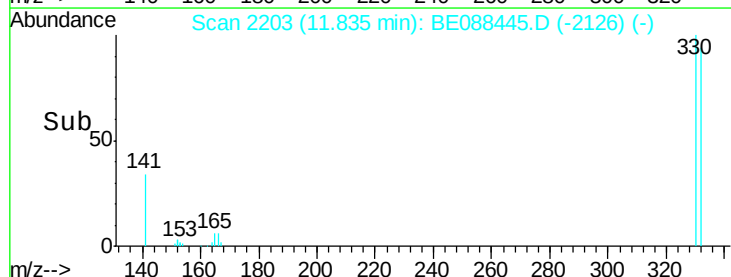
167 33.9 10.7 16.1#

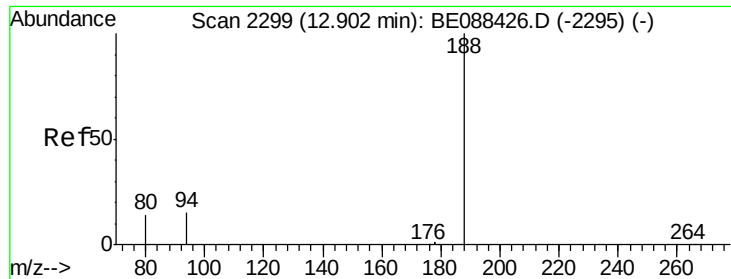


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.90 min Scan# 2298

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

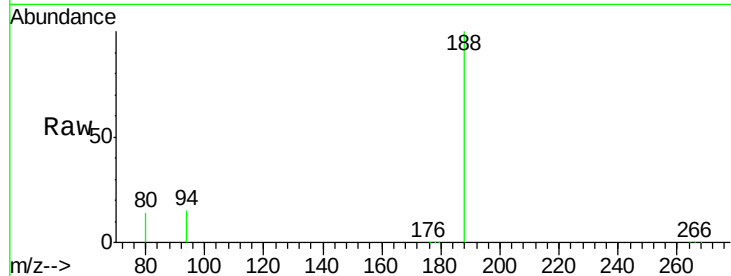
Tgt Ion:188 Resp: 91408

Ion Ratio Lower Upper

188 100

94 15.3 11.8 17.8

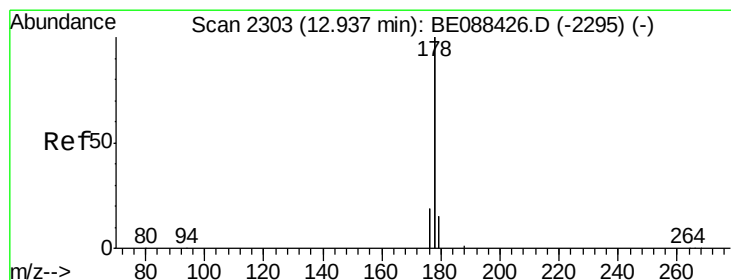
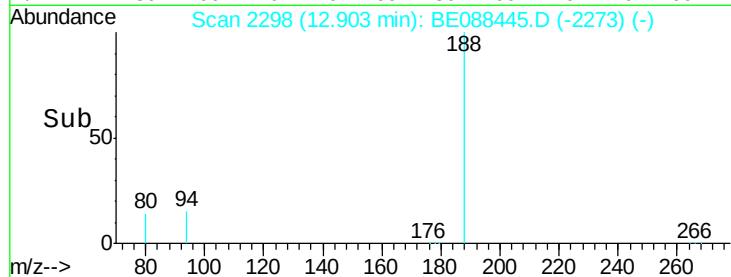
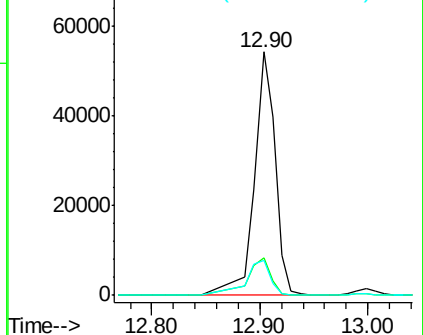
80 14.2 10.9 16.3



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: 0.06 ng

RT: 12.94 min Scan# 2302

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

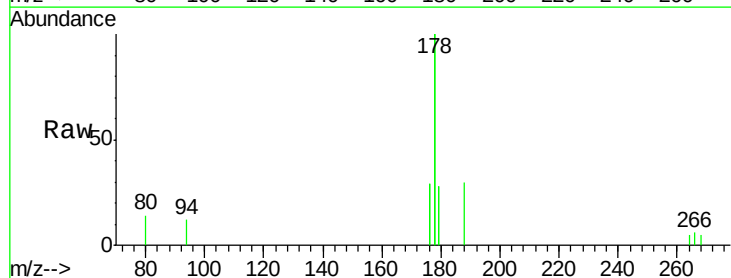
Tgt Ion:178 Resp: 4787

Ion Ratio Lower Upper

178 100

176 46.6 15.4 23.2#

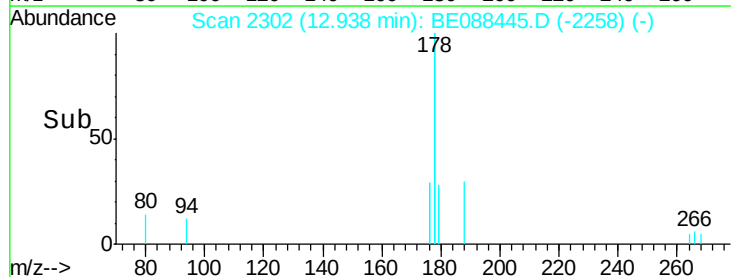
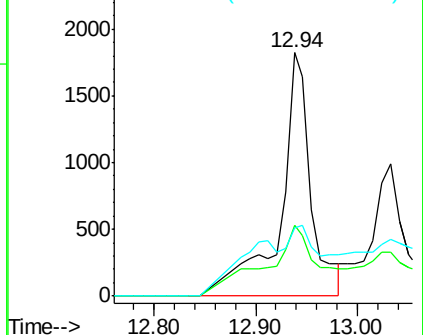
179 10.6 12.8 19.2#

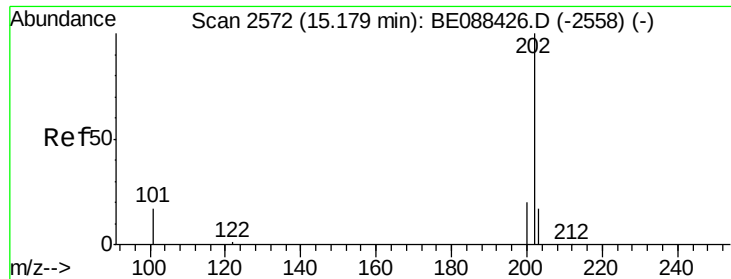


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

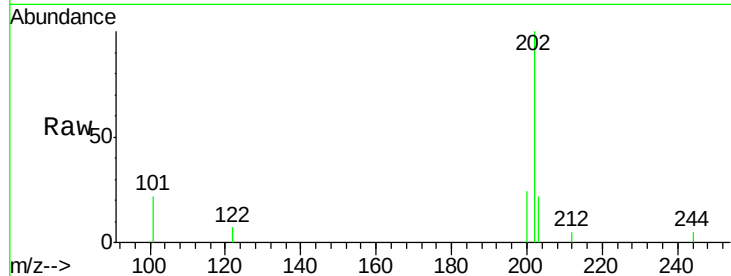




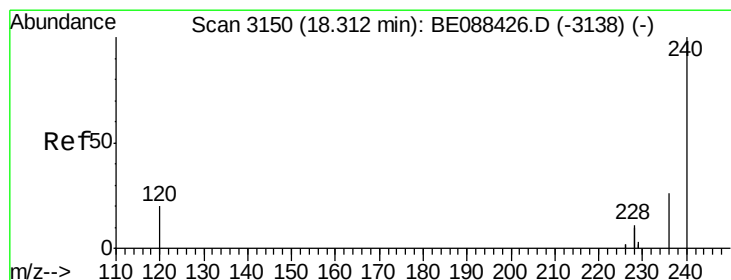
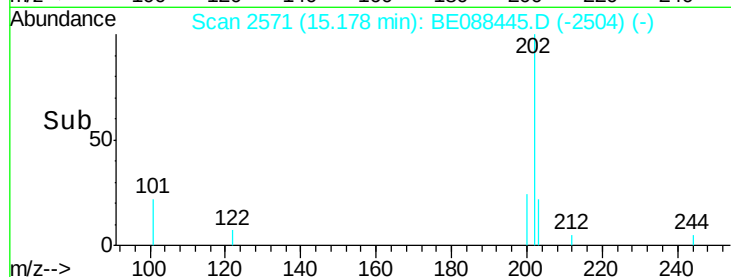
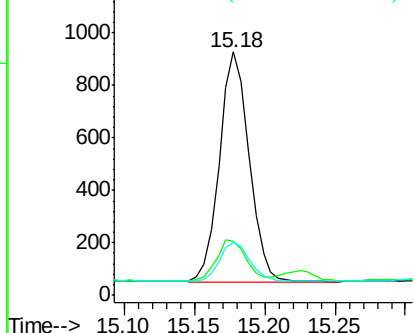
#15
 Fluoranthene
 Concen: 0.09 ng
 RT: 15.18 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: BE088445.D
 Acq: 1 Nov 2014 4:45

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS37-1014

Tgt Ion: 202 Resp: 1278
 Ion Ratio Lower Upper
 202 100
 101 18.0 14.3 21.5
 203 17.4 13.6 20.4

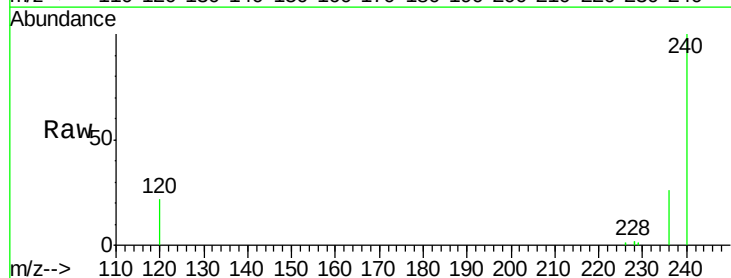


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

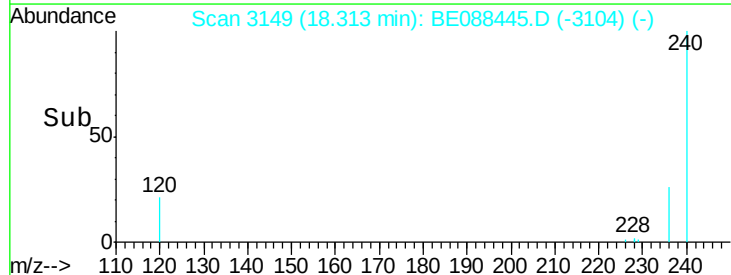
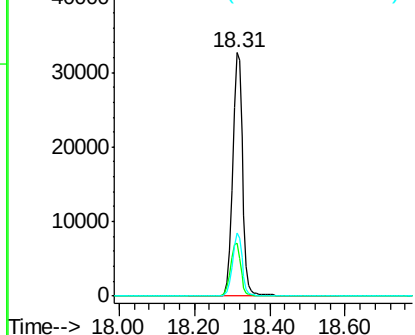


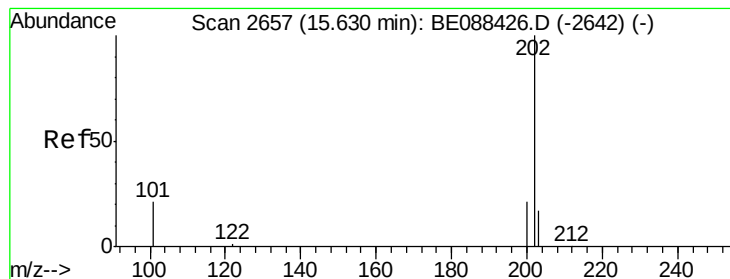
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: BE088445.D
 Acq: 1 Nov 2014 4:45

Tgt Ion: 240 Resp: 58567
 Ion Ratio Lower Upper
 240 100
 120 21.6 16.4 24.6
 236 25.9 20.5 30.7



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: 0.09 ng

RT: 15.63 min Scan# 2657

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

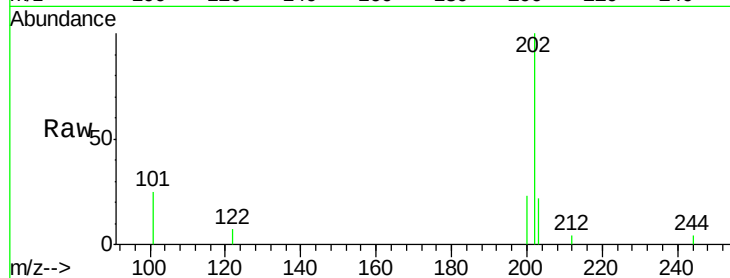
Tgt Ion:202 Resp: 1706

Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

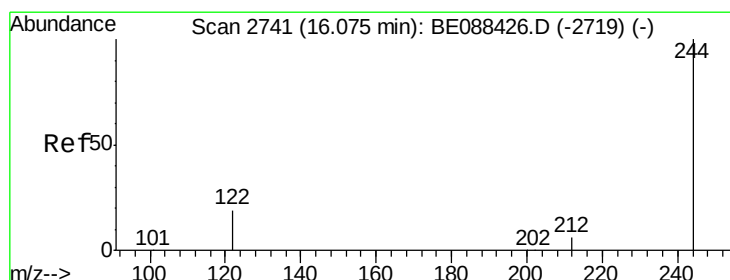
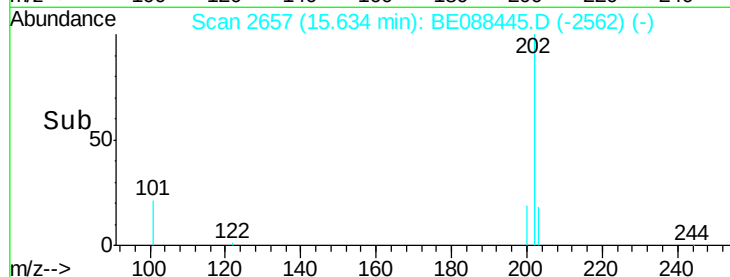
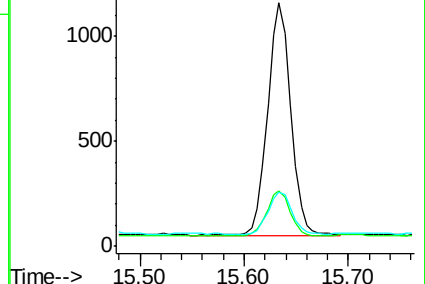
203 18.7 13.8 20.8



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: 30.90 ng

RT: 16.09 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

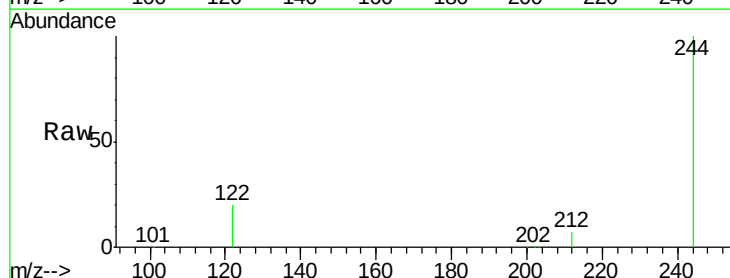
Tgt Ion:244 Resp: 332495

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

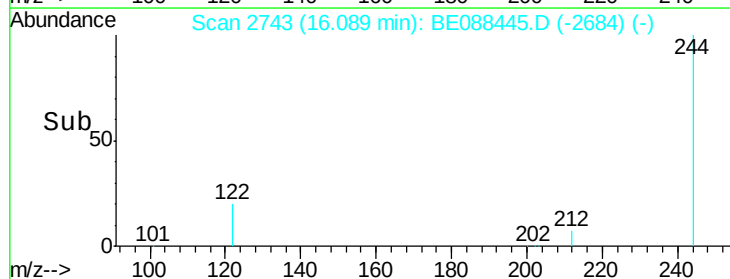
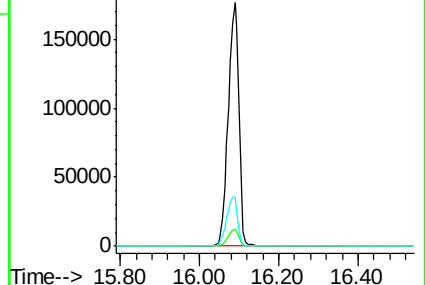
122 20.2 15.6 23.4

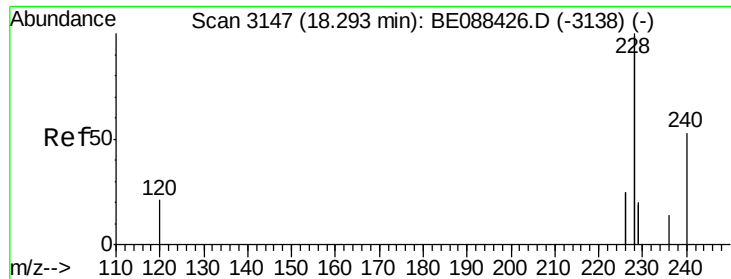


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.07 ng

RT: 18.29 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

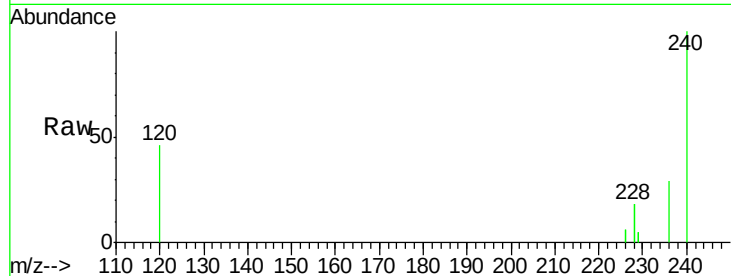
Tgt Ion:228 Resp: 3862

Ion Ratio Lower Upper

228 100

226 32.4 19.8 29.6#

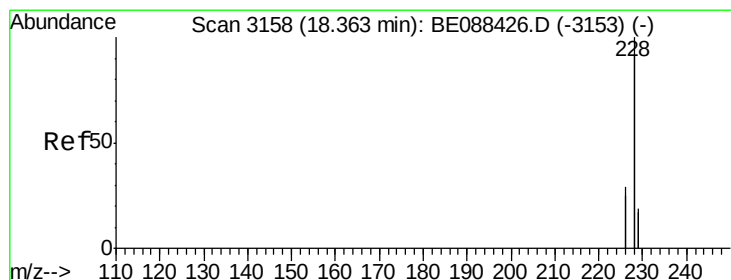
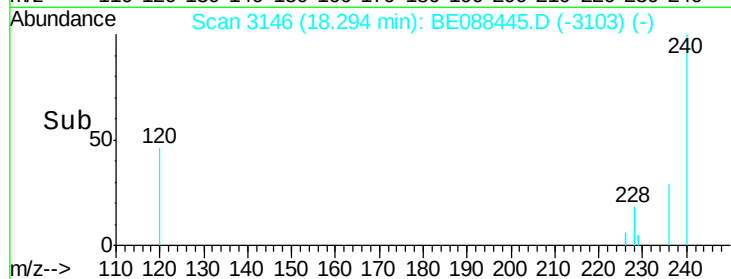
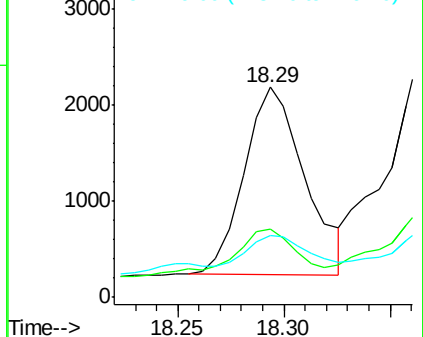
229 29.6 16.0 24.0#



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: 18.37 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

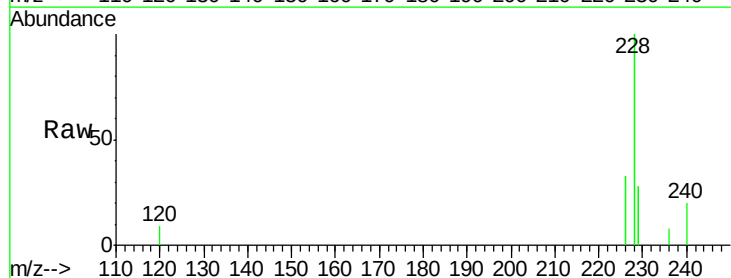
Tgt Ion:228 Resp: 5437

Ion Ratio Lower Upper

228 100

226 32.9 23.6 35.4

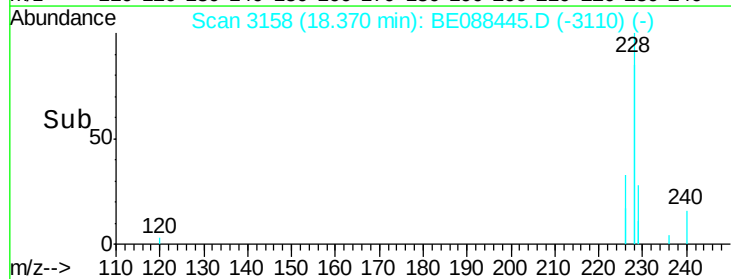
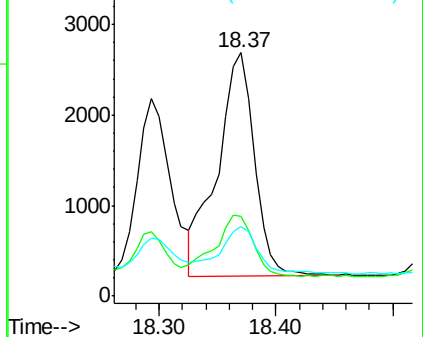
229 28.3 15.4 23.2#

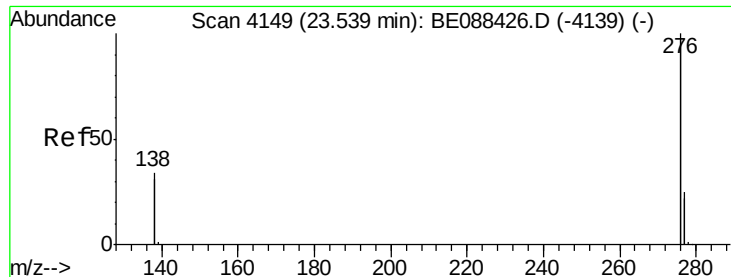


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 23.55 min Scan# 4150

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

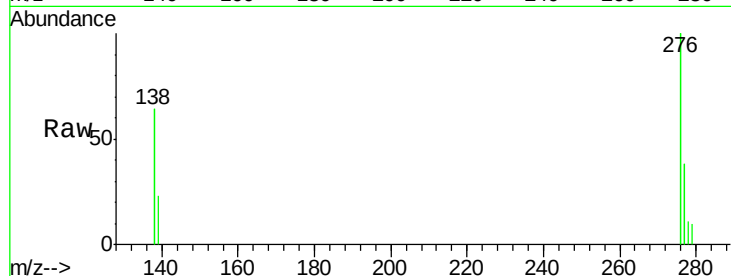
Tgt Ion:276 Resp: 3192

Ion Ratio Lower Upper

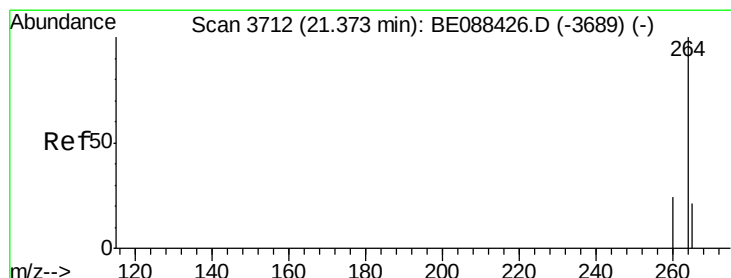
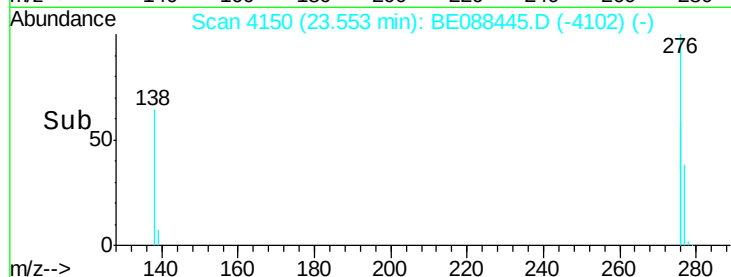
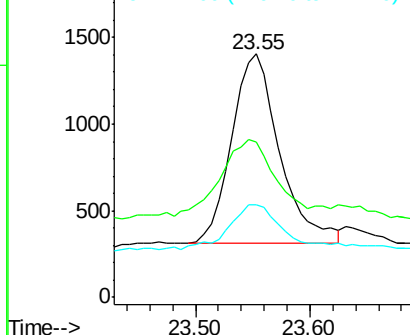
276 100

138 49.9 20.2 30.2#

277 28.9 14.8 22.2#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.38 min Scan# 3712

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

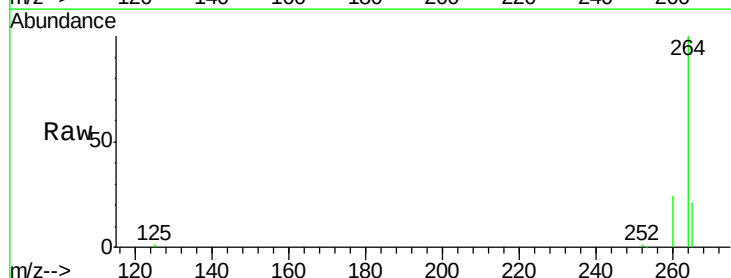
Tgt Ion:264 Resp: 56509

Ion Ratio Lower Upper

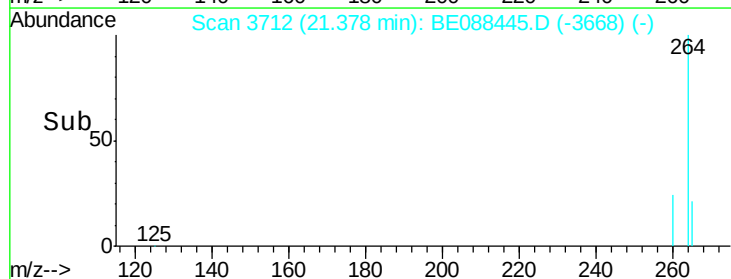
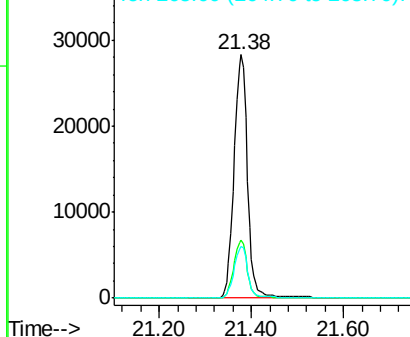
264 100

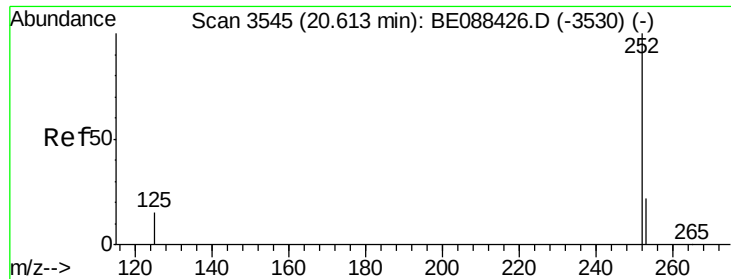
260 23.8 18.9 28.3

265 21.3 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

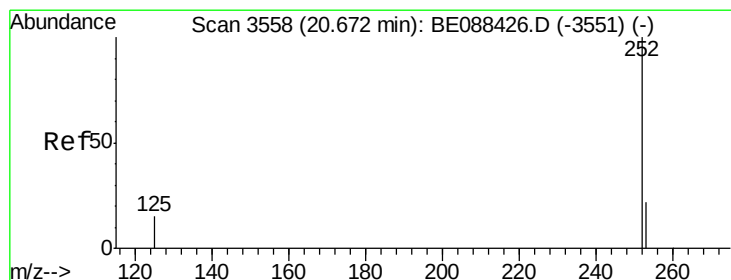
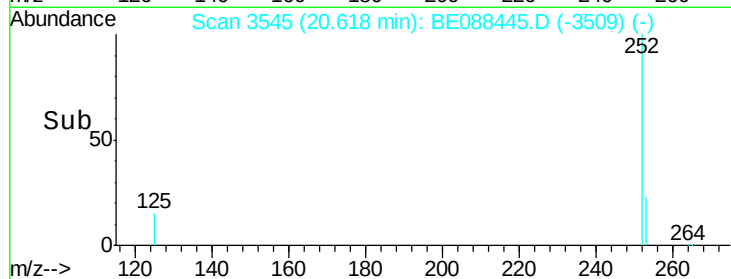
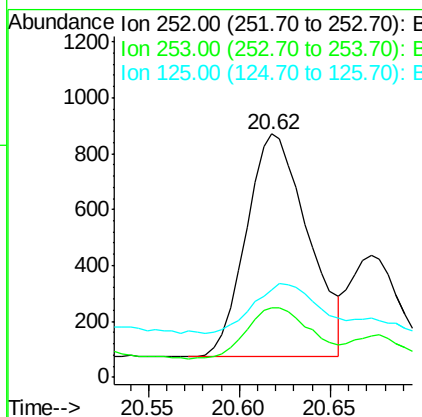
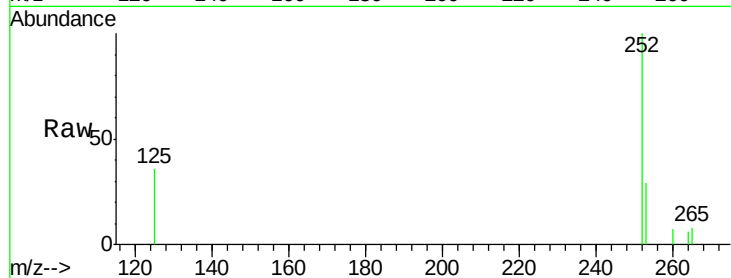




#23
Benzo(b)fluoranthene
Concen: 0.15 ng
RT: 20.62 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

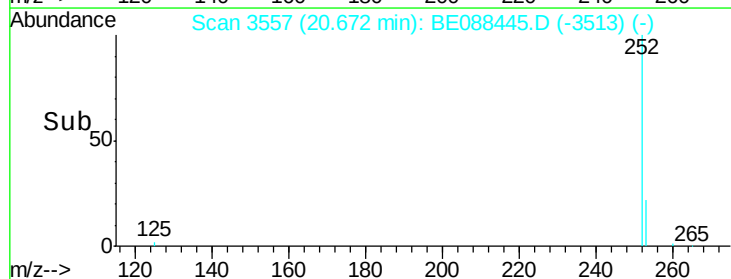
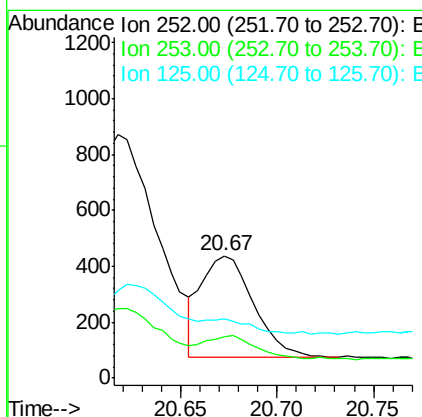
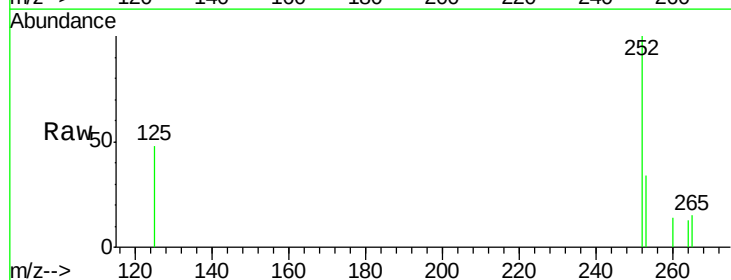
Instrument :
BNA_E
ClientSampleId :
YS19-SS37-1014

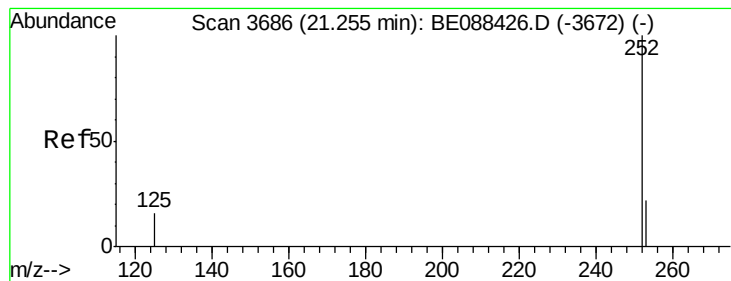
Tgt Ion: 252 Resp: 1892
Ion Ratio Lower Upper
252 100
253 28.7 17.8 26.8#
125 36.1 12.3 18.5#



#24
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 20.67 min Scan# 3557
Delta R.T. 0.00 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Tgt Ion: 252 Resp: 681
Ion Ratio Lower Upper
252 100
253 33.6 17.8 26.8#
125 48.3 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.09 ng

RT: 21.26 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014

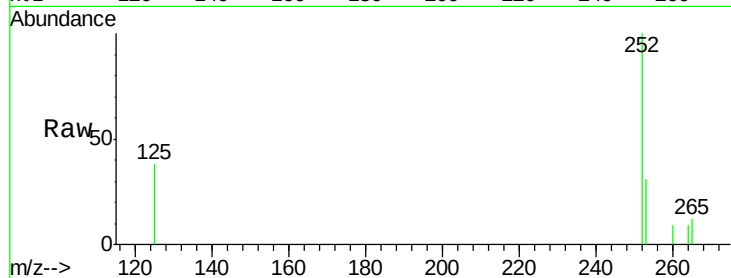
Tgt Ion: 252 Resp: 1083

Ion Ratio Lower Upper

252 100

253 31.3 18.2 27.4#

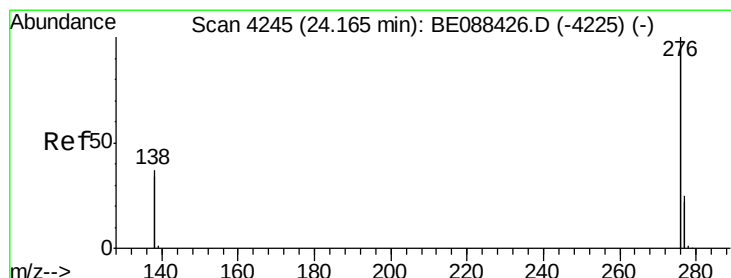
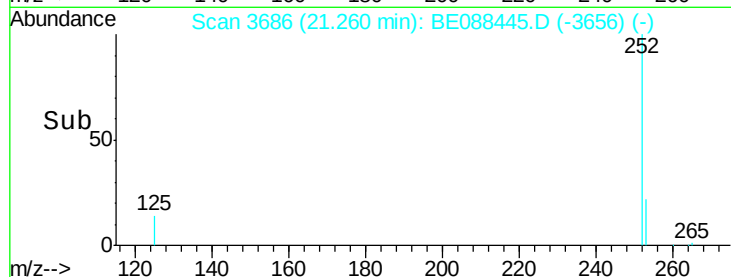
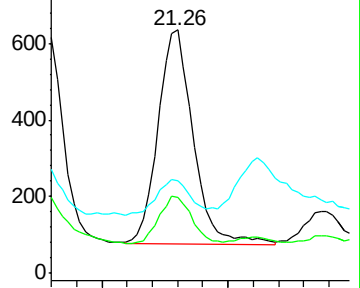
125 38.1 13.7 20.5#



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: 0.07 ng

RT: 24.17 min Scan# 4245

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

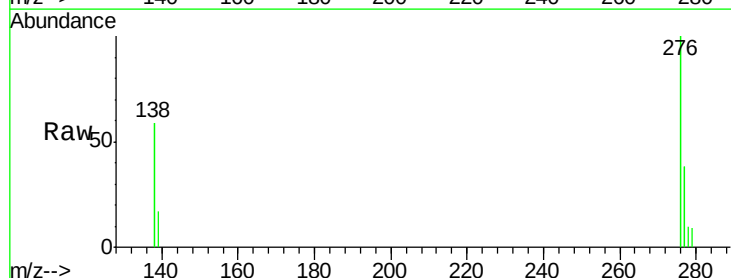
Tgt Ion: 276 Resp: 3660

Ion Ratio Lower Upper

276 100

277 37.9 19.8 29.6#

138 59.3 29.3 43.9#



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

