

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088466.D
 Acq On : 1 Nov 2014 23:45
 Operator : TP/JJ
 Sample : F4368-07RE
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS40-1014RE

Quant Time: Nov 02 04:22:34 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	40082	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	147596	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	69191	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	140396	5.00	ng	0.00
16) Chrysene-d12	18.33	240	87630	5.00	ng	0.02
22) Perylene-d12	21.40	264	86126	5.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.79	82	534757	49.40	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	597342	30.63	ng	0.00
18) Terphenyl-d14	16.10	244	471865	29.31	ng	0.03

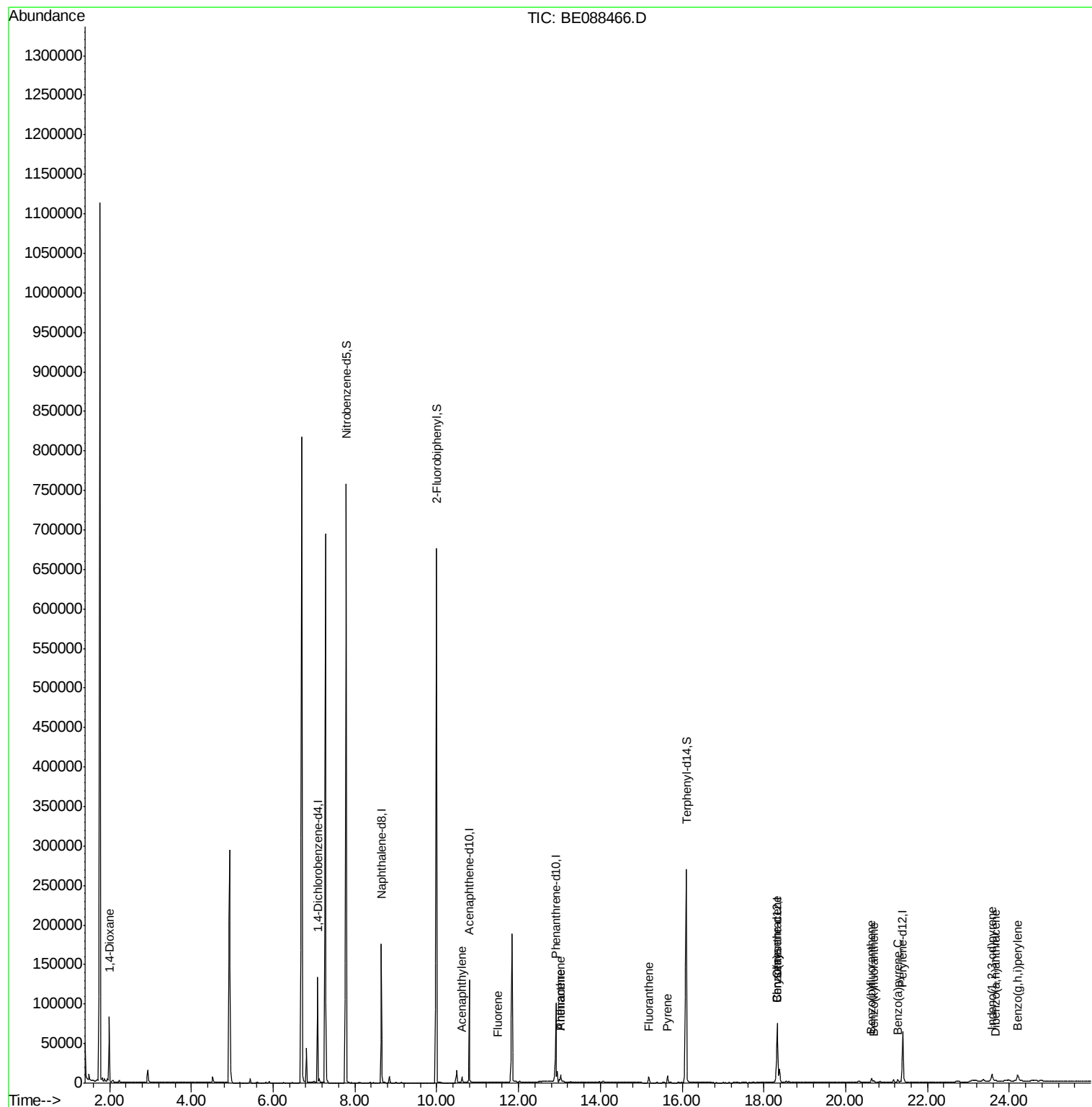
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.99	88	2843	0.54	ng	# 1
9) Acenaphthylene	10.62	152	8280	0.07	ng	# 90
11) Fluorene	11.49	166	361	0.02	ng	# 58
13) Phenanthrene	13.03	178	10457	0.08	ng	# 98
14) Anthracene	13.03	178	10457	0.10	ng	# 98
15) Fluoranthene	15.18	202	7936	0.38	ng	# 99
17) Pyrene	15.64	202	7929	0.28	ng	# 97
19) Benzo(a)anthracene	18.31	228	19193	0.23	ng	# 93
20) Chrysene	18.31	228	19193	0.24	ng	# 95
21) Indeno(1,2,3-cd)pyrene	23.58	276	14707	0.19	ng	# 84
23) Benzo(b)fluoranthene	20.63	252	7717	0.41	ng	# 82
24) Benzo(k)fluoranthene	20.69	252	2575	0.12	ng	# 70
25) Benzo(a)pyrene	21.27	252	4738	0.26	ng	# 80
26) Dibenzo(a,h)anthracene	23.66	278	770	0.05	ng	# 1
27) Benzo(g,h,i)perylene	24.20	276	14457	0.19	ng	# 75

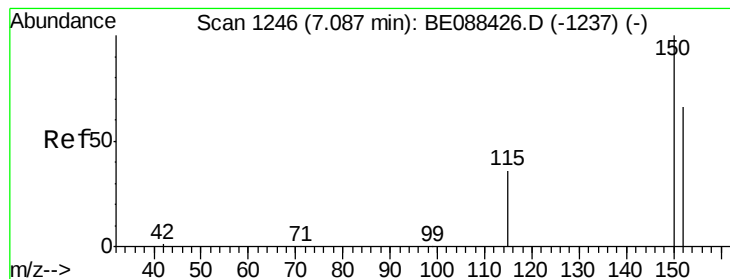
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088466.D
Acq On : 1 Nov 2014 23:45
Operator : TP/JJ
Sample : F4368-07RE
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SS40-1014RE

Quant Time: Nov 02 04:22:34 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

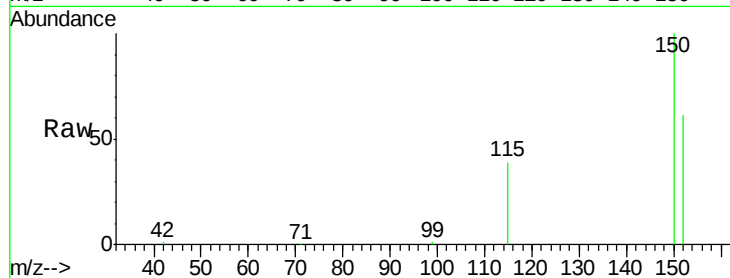
Tgt Ion:152 Resp: 40082

Ion Ratio Lower Upper

152 100

150 164.4 121.8 182.8

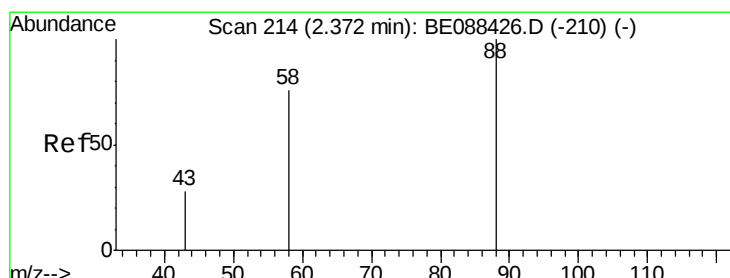
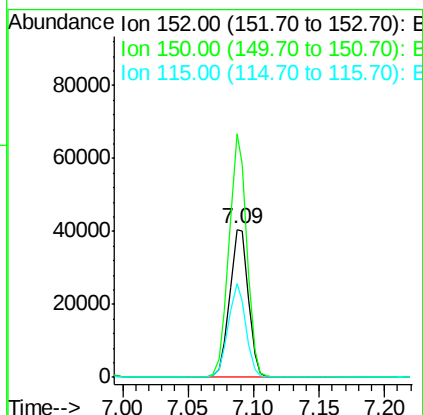
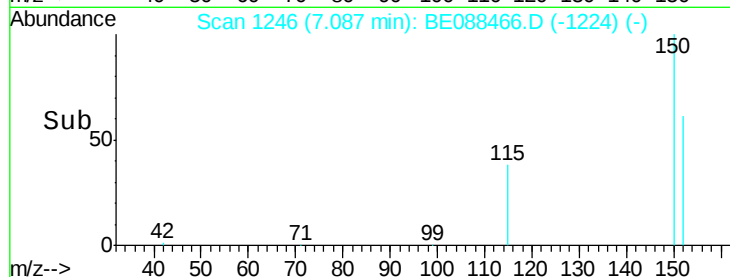
115 63.3 43.9 65.9



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: 0.54 ng

RT: 1.99 min Scan# 131

Delta R.T. -0.38 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

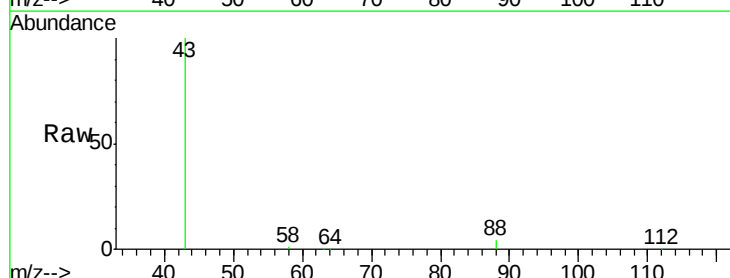
Tgt Ion: 88 Resp: 2843

Ion Ratio Lower Upper

88 100

58 26.7 59.1 88.7#

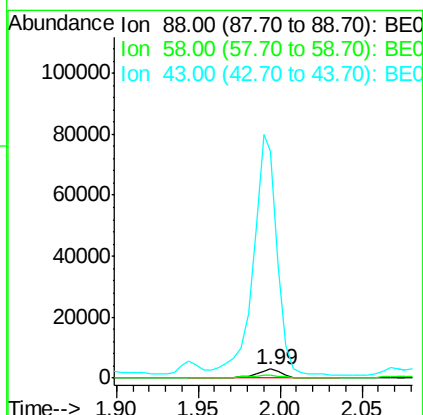
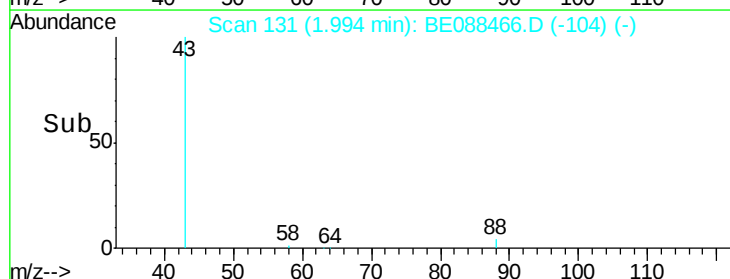
43 2790.5 21.9 32.9#

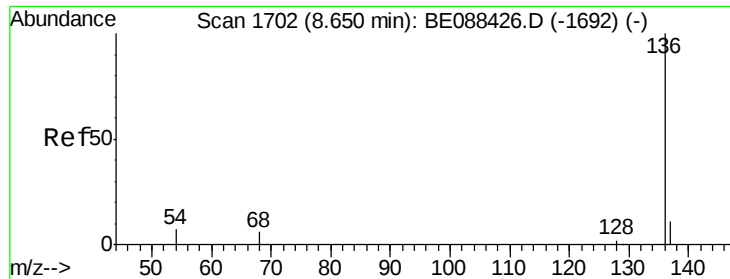


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

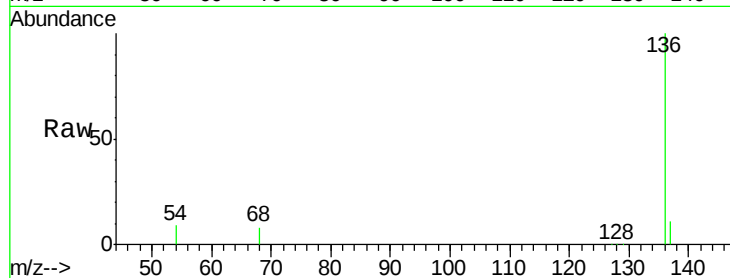
Tgt Ion: 136 Resp: 147596

Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

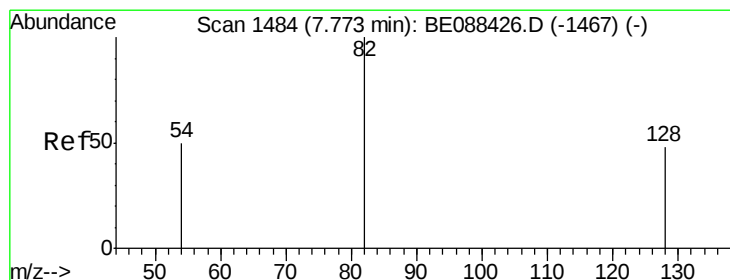
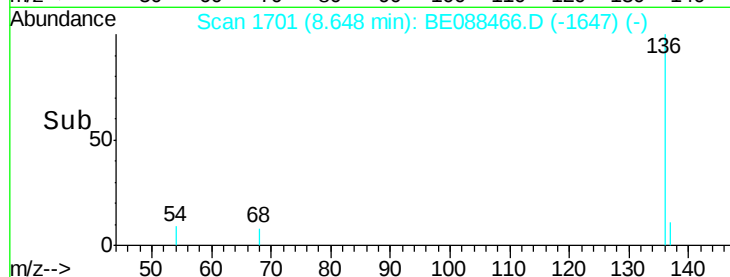
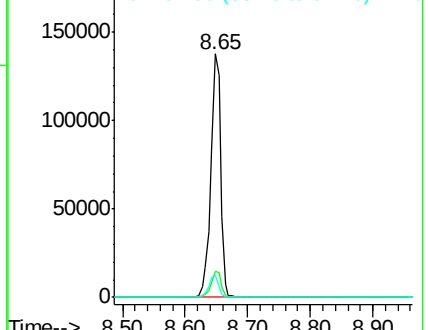
54 9.1 5.3 7.9#



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: 49.40 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

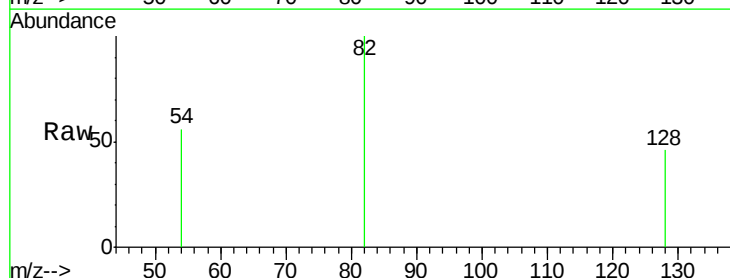
Tgt Ion: 82 Resp: 534757

Ion Ratio Lower Upper

82 100

128 45.8 38.4 57.6

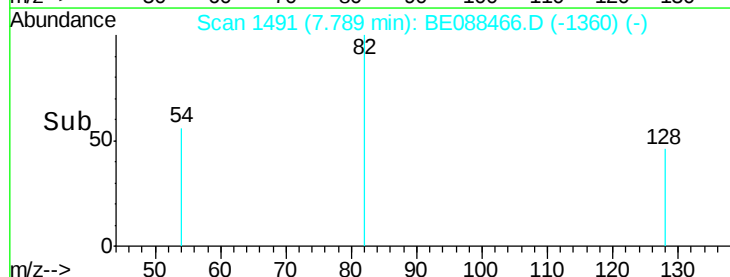
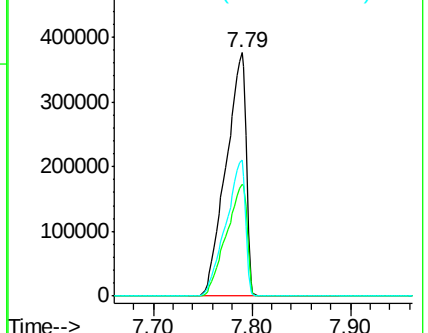
54 55.8 40.2 60.2

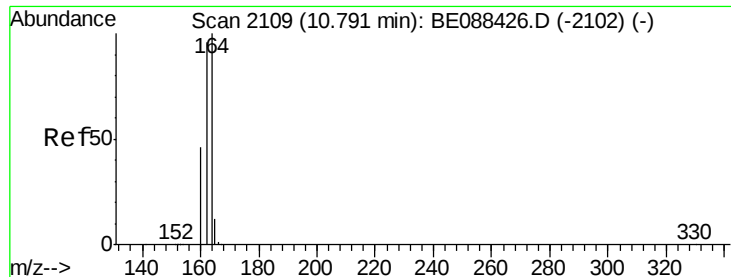


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

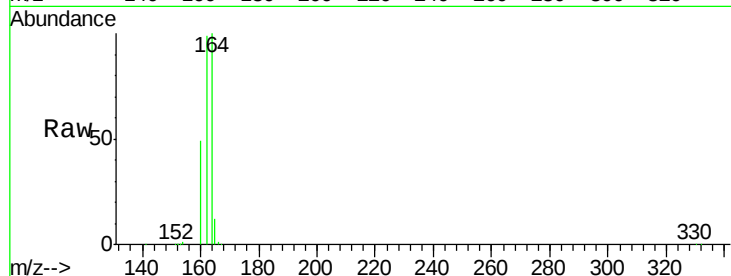
Tgt Ion:164 Resp: 69191

Ion Ratio Lower Upper

164 100

162 99.2 77.0 115.4

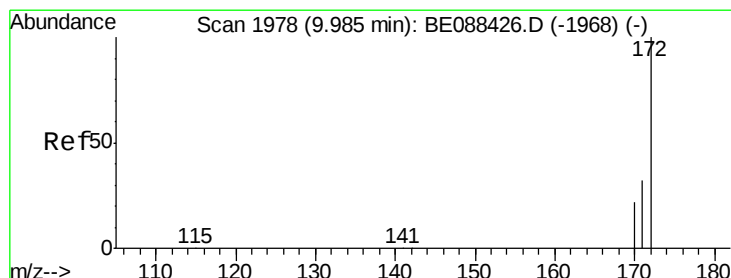
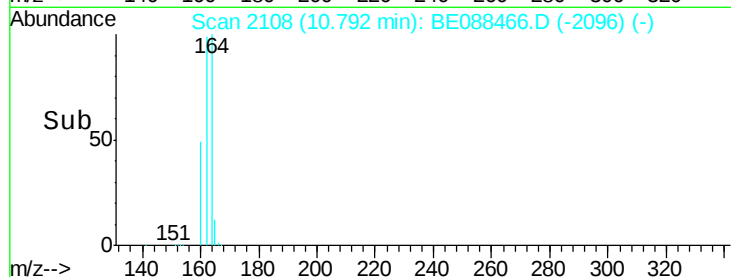
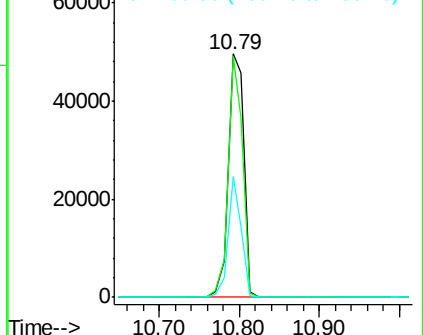
160 49.4 36.8 55.2



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: 30.63 ng

RT: 9.99 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

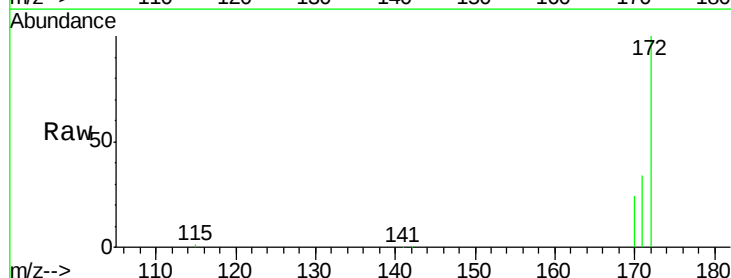
Tgt Ion:172 Resp: 597342

Ion Ratio Lower Upper

172 100

171 34.2 26.0 39.0

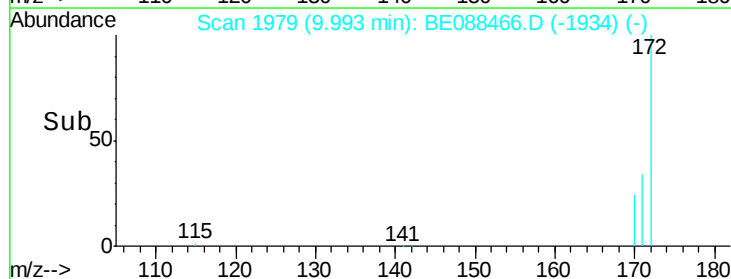
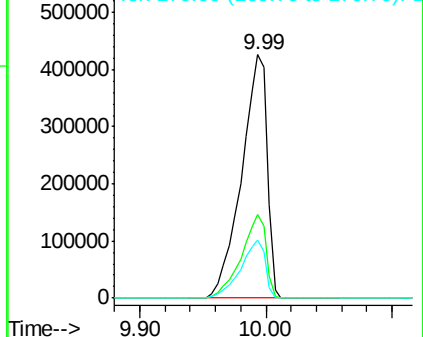
170 23.9 17.6 26.4

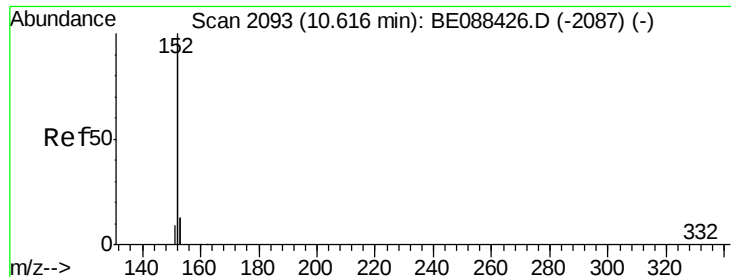


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 0.07 ng

RT: 10.62 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

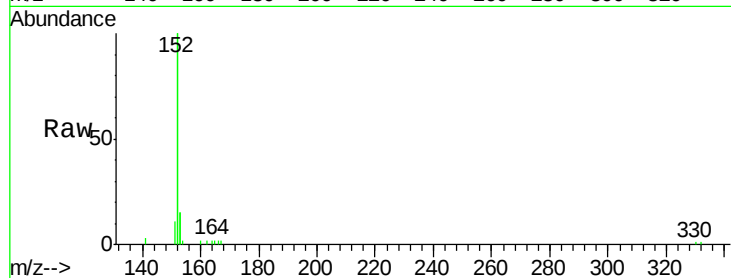
Tgt Ion:152 Resp: 8280

Ion Ratio Lower Upper

152 100

151 4.1 4.4 6.6#

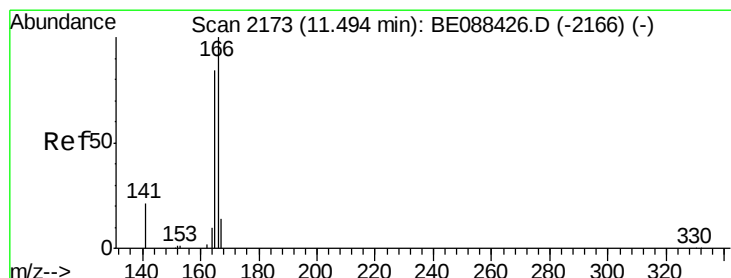
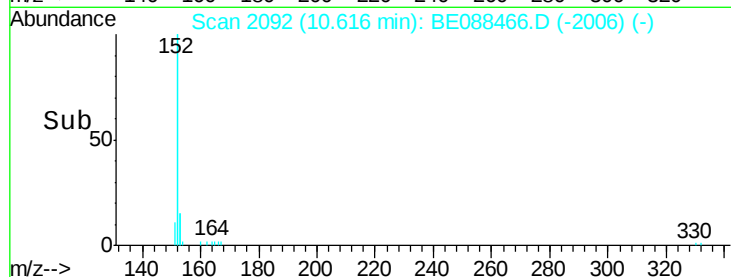
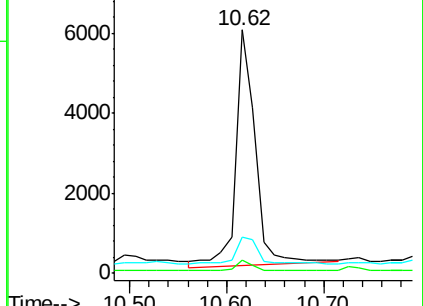
153 18.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Fluorene

Concen: 0.02 ng

RT: 11.49 min Scan# 2172

Delta R.T. 0.00 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

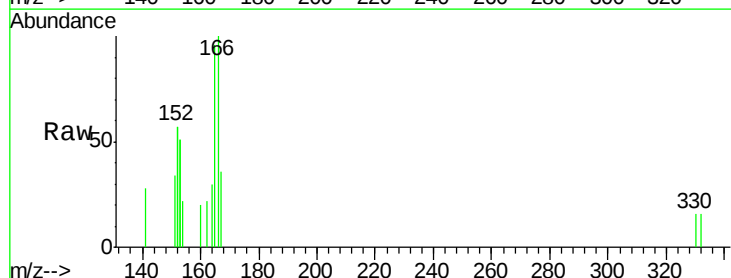
Tgt Ion:166 Resp: 361

Ion Ratio Lower Upper

166 100

165 130.2 71.3 106.9#

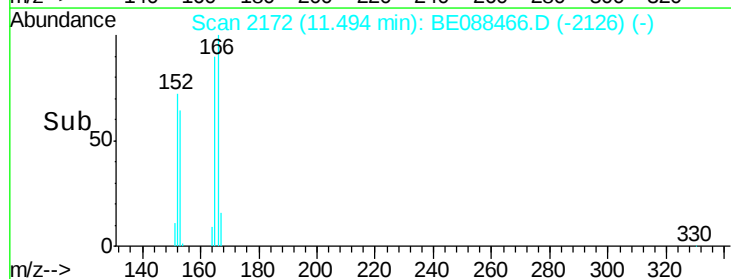
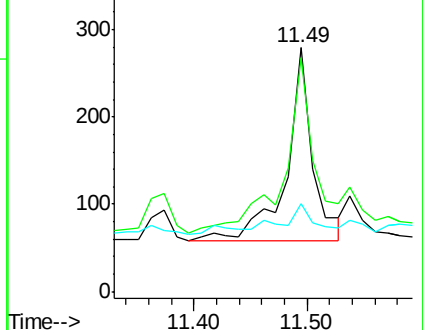
167 0.0 10.7 16.1#

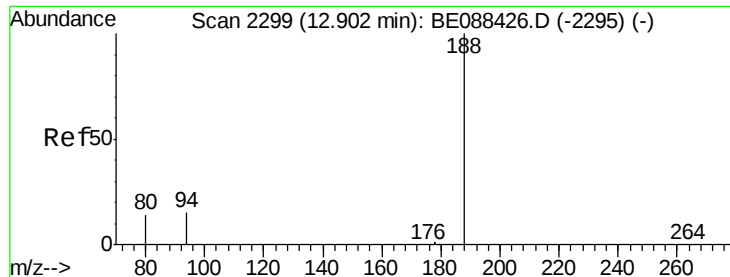


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.91 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

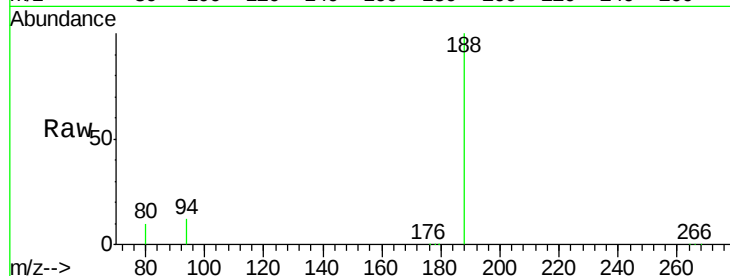
Tgt Ion:188 Resp: 140396

Ion Ratio Lower Upper

188 100

94 11.5 11.8 17.8#

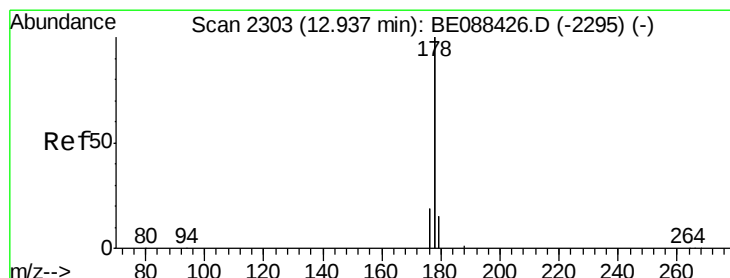
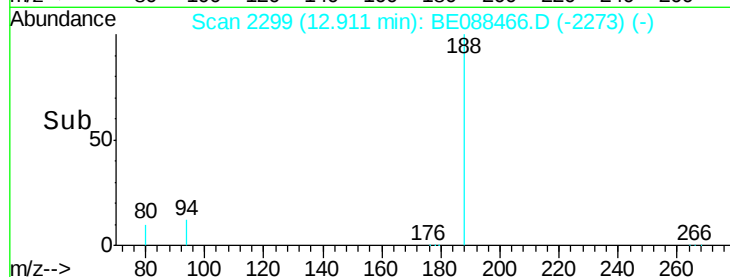
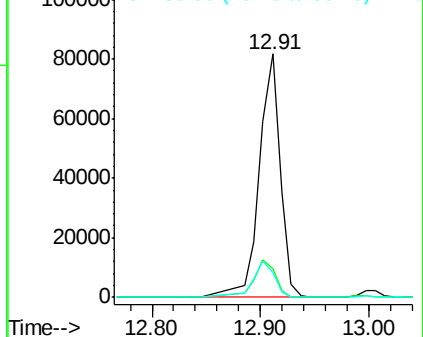
80 10.3 10.9 16.3#



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: 0.08 ng

RT: 13.03 min Scan# 2313

Delta R.T. 0.09 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

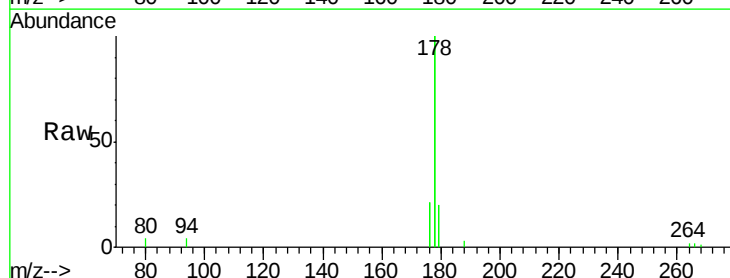
Tgt Ion:178 Resp: 10457

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

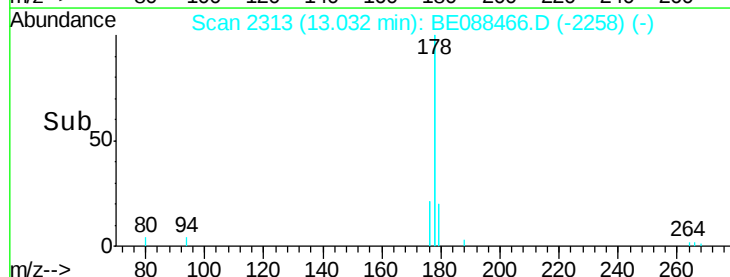
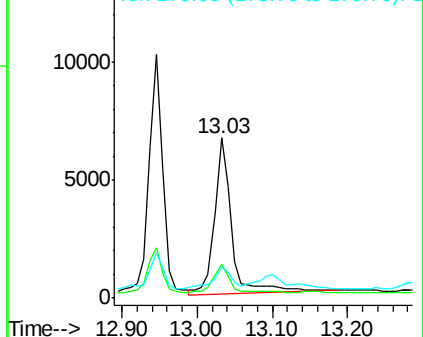
179 16.9 12.8 19.2

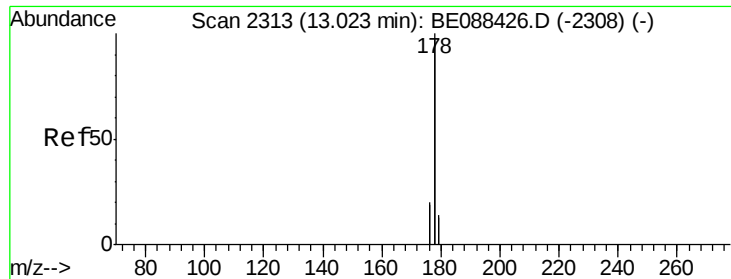


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.10 ng

RT: 13.03 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

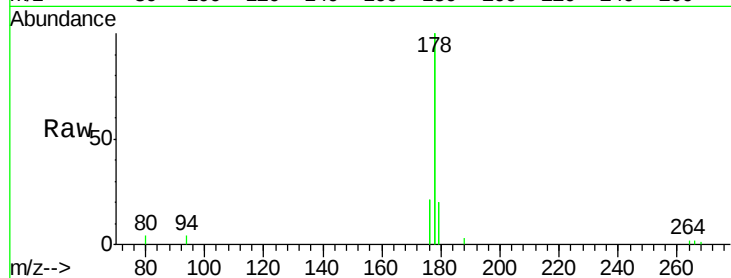
Tgt Ion:178 Resp: 10457

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

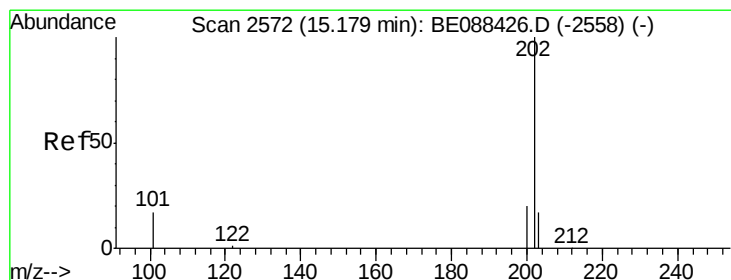
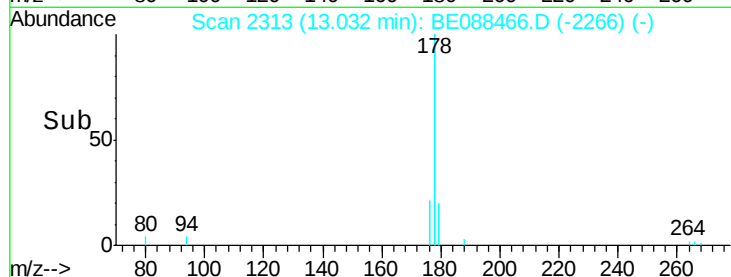
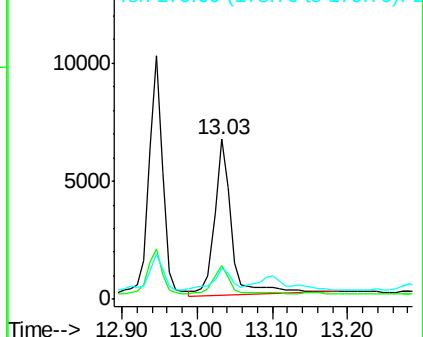
179 16.9 12.5 18.7



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: 0.38 ng

RT: 15.18 min Scan# 2572

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

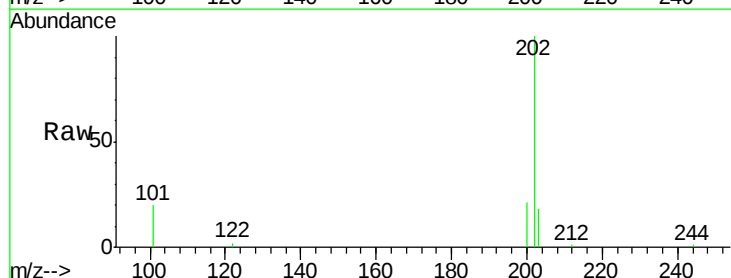
Tgt Ion:202 Resp: 7936

Ion Ratio Lower Upper

202 100

101 18.6 14.3 21.5

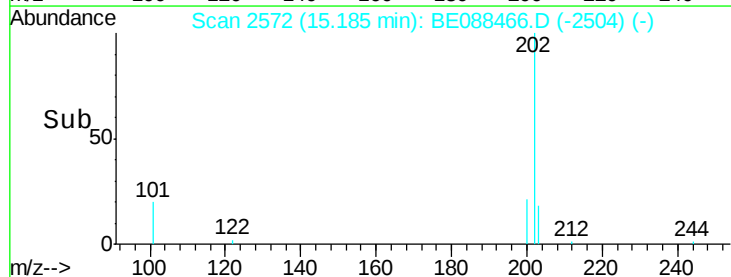
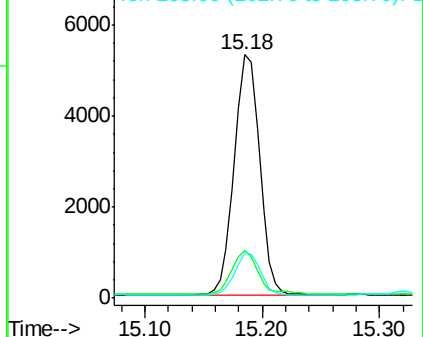
203 17.2 13.6 20.4

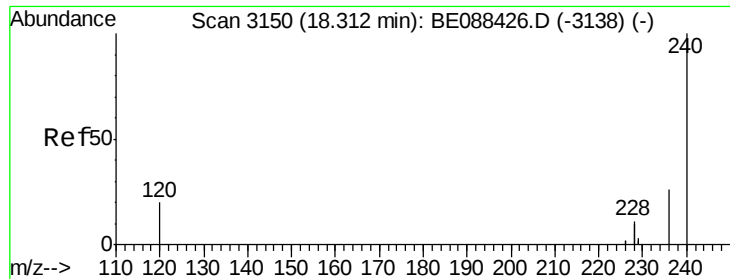


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.33 min Scan# 3152

Delta R.T. 0.02 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

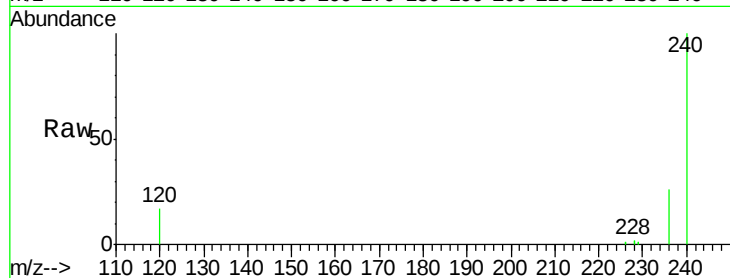
Tgt Ion:240 Resp: 87630

Ion Ratio Lower Upper

240 100

120 17.4 16.4 24.6

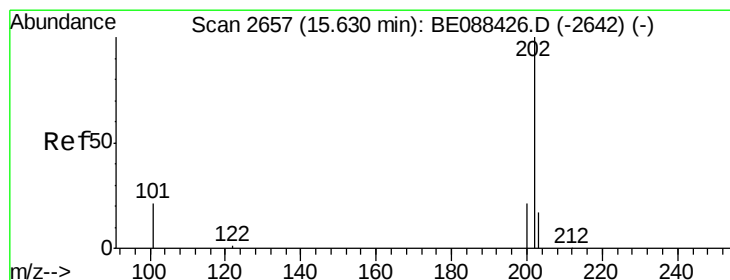
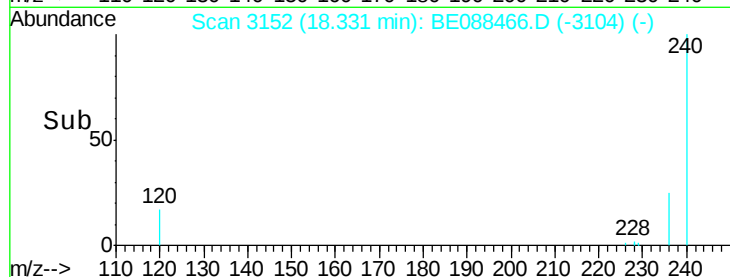
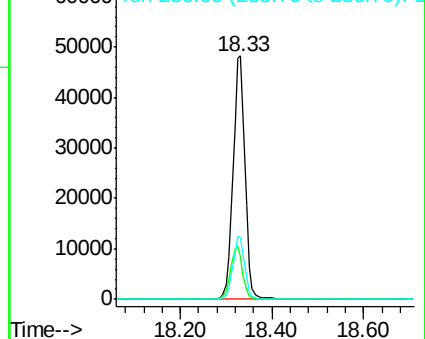
236 25.6 20.5 30.7



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: 0.28 ng

RT: 15.64 min Scan# 2658

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

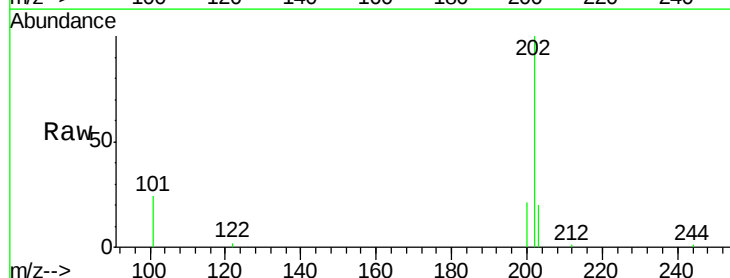
Tgt Ion:202 Resp: 7929

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

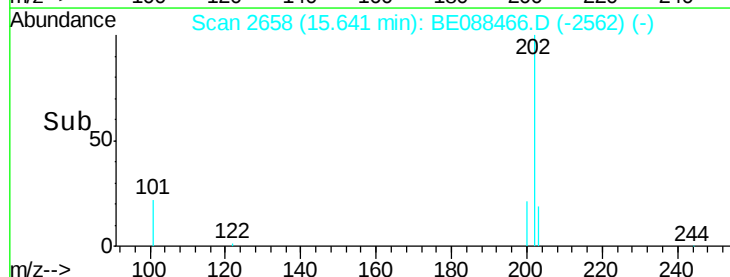
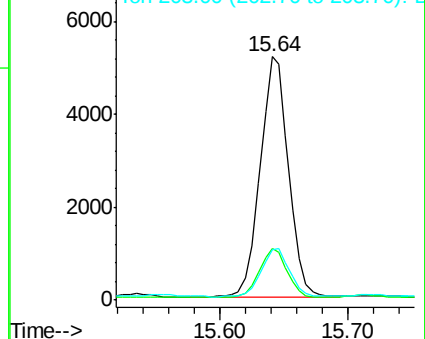
203 19.7 13.8 20.8

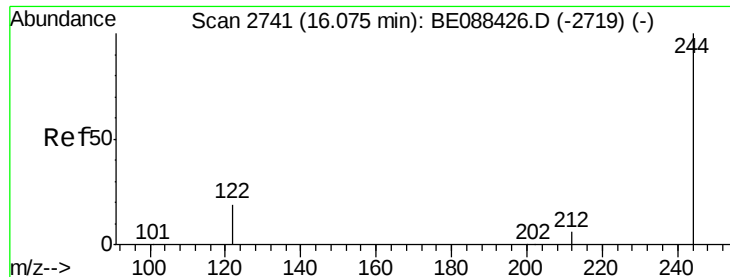


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 29.31 ng

RT: 16.10 min Scan# 2745

Delta R.T. 0.03 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

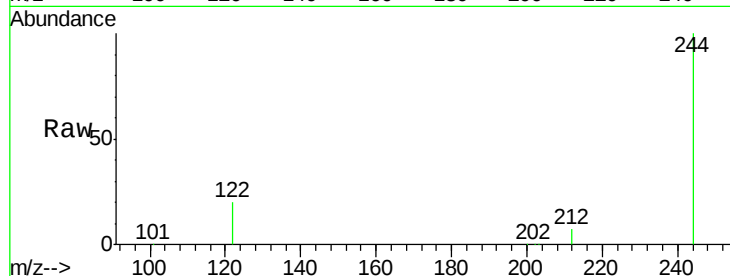
Tgt Ion:244 Resp: 471865

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 20.2 15.6 23.4

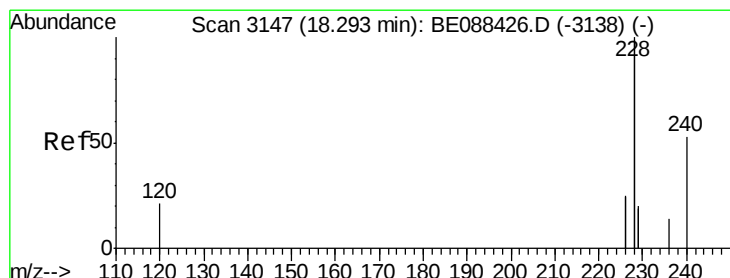
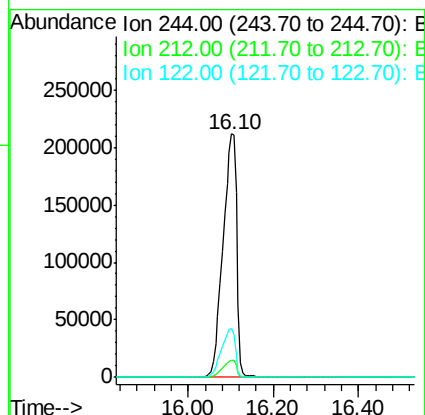
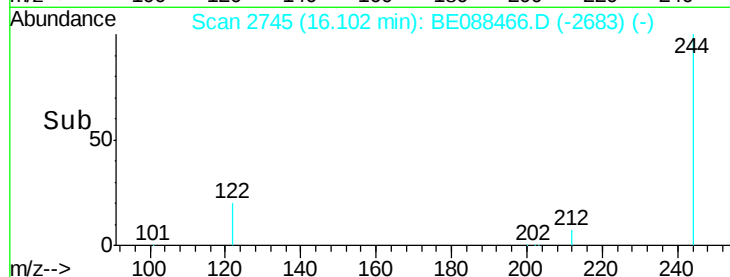


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#19

Benzo(a)anthracene

Concen: 0.23 ng

RT: 18.31 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

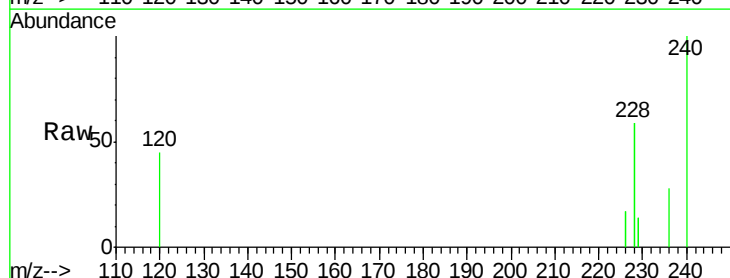
Tgt Ion:228 Resp: 19193

Ion Ratio Lower Upper

228 100

226 28.1 19.8 29.6

229 23.1 16.0 24.0

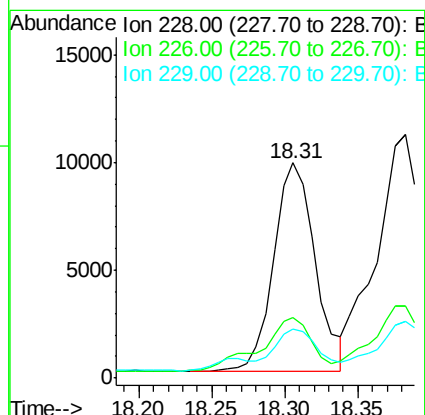
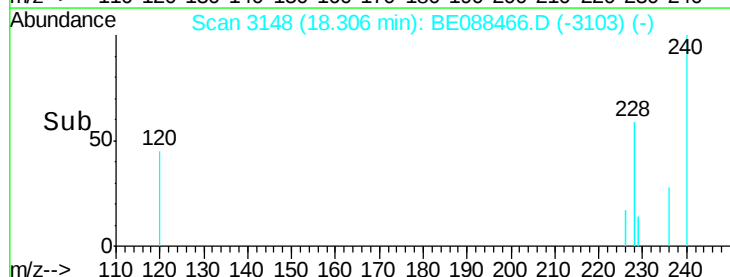


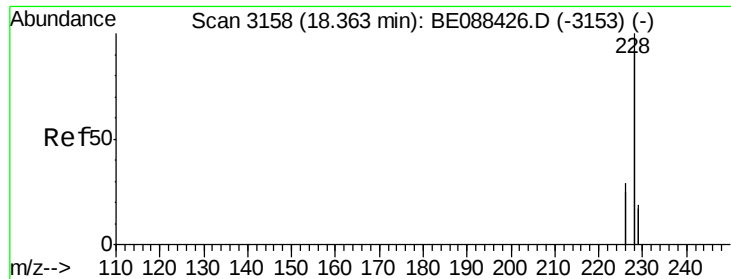
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->





#20

Chrysene

Concen: 0.24 ng

RT: 18.31 min Scan# 3148

Delta R.T. -0.06 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

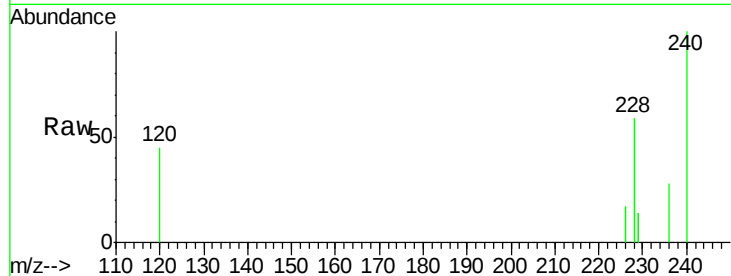
Tgt Ion:228 Resp: 19193

Ion Ratio Lower Upper

228 100

226 28.1 23.6 35.4

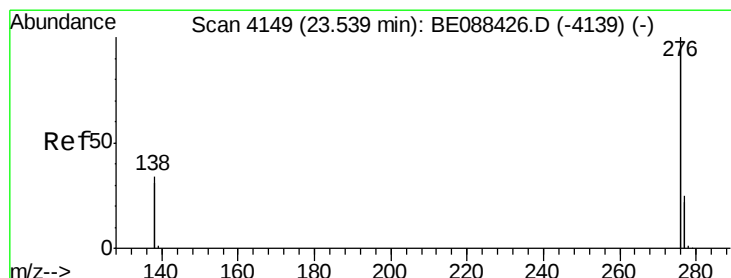
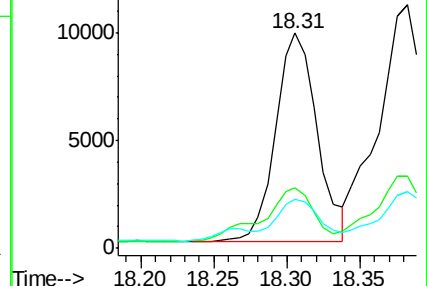
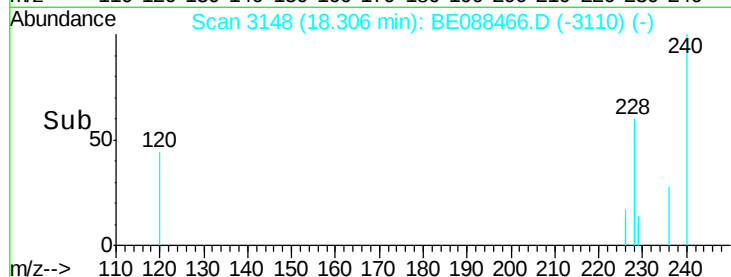
229 23.1 15.4 23.2



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: 0.19 ng

RT: 23.58 min Scan# 4154

Delta R.T. 0.04 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

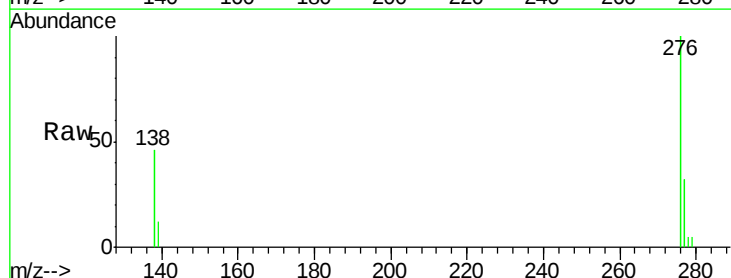
Tgt Ion:276 Resp: 14707

Ion Ratio Lower Upper

276 100

138 34.6 20.2 30.2#

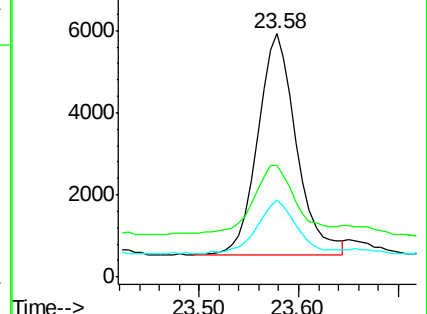
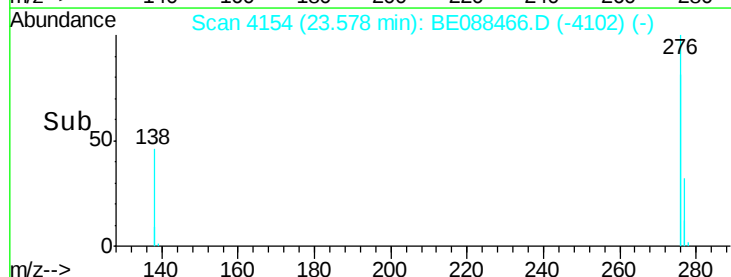
277 24.2 14.8 22.2#

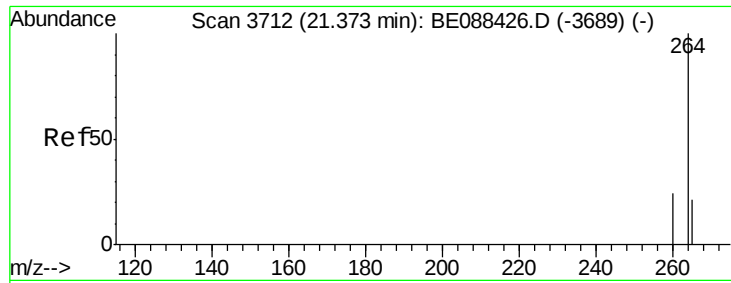


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

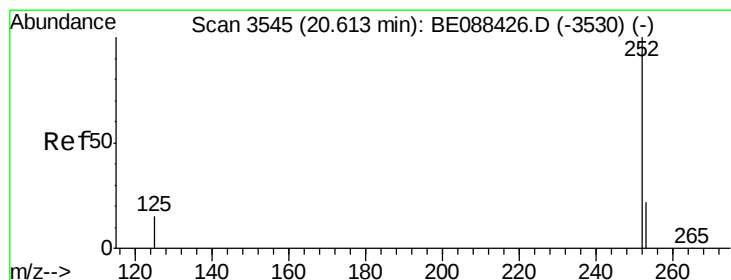
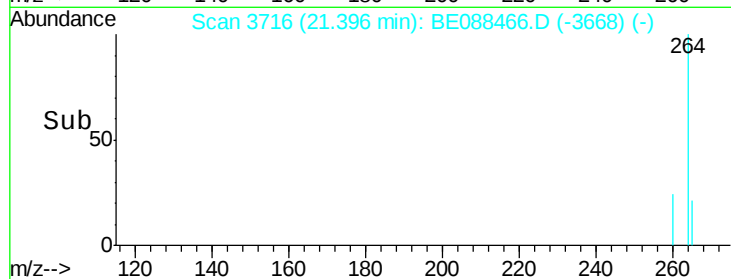
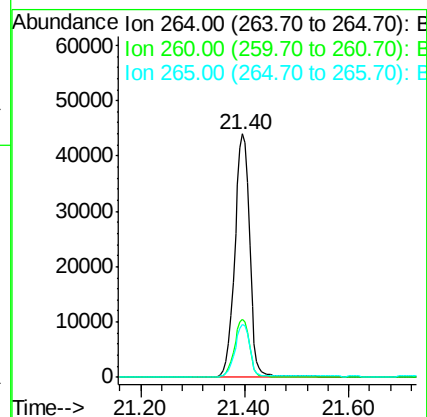
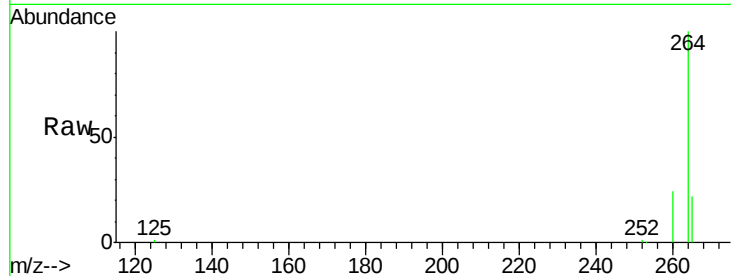




#22
Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3716
 Delta R.T. 0.02 min
 Lab File: BE088466.D
 Acq: 1 Nov 2014 23:45

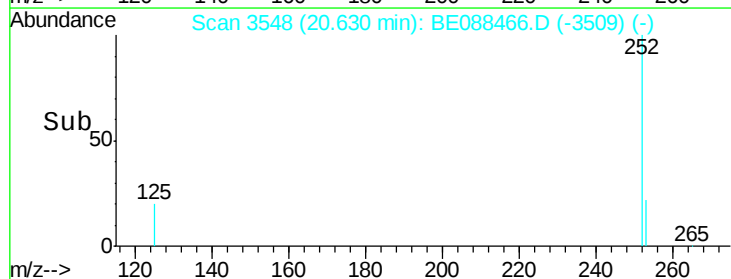
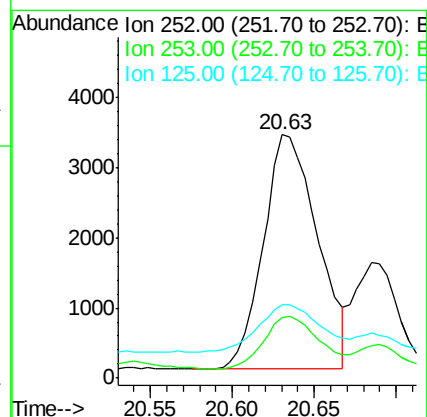
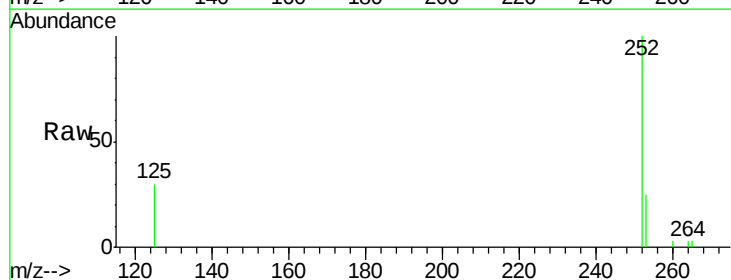
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS40-1014RE

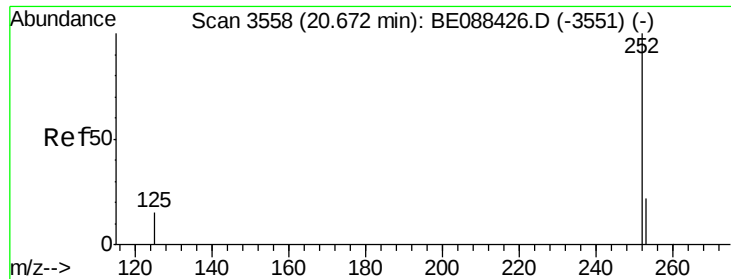
Tgt Ion: 264 Resp: 86126
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.9 28.3
 265 21.6 17.2 25.8



#23
Benzo(b)fluoranthene
 Concen: 0.41 ng
 RT: 20.63 min Scan# 3548
 Delta R.T. 0.02 min
 Lab File: BE088466.D
 Acq: 1 Nov 2014 23:45

Tgt Ion: 252 Resp: 7717
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.8 26.8
 125 30.2 12.3 18.5#





#24

Benzo(k)fluoranthene

Concen: 0.12 ng

RT: 20.69 min Scan# 3560

Delta R.T. 0.01 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

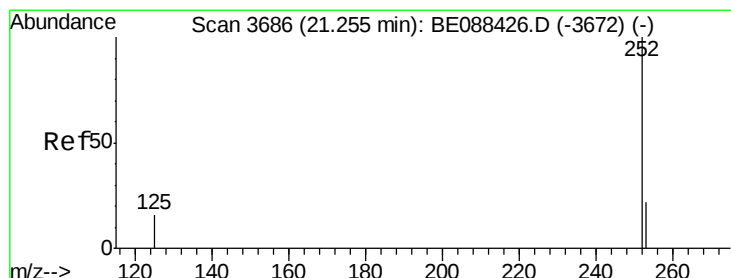
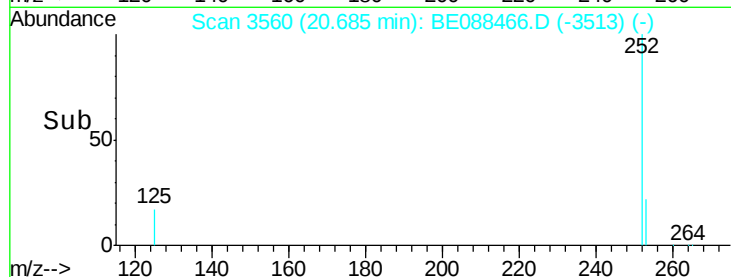
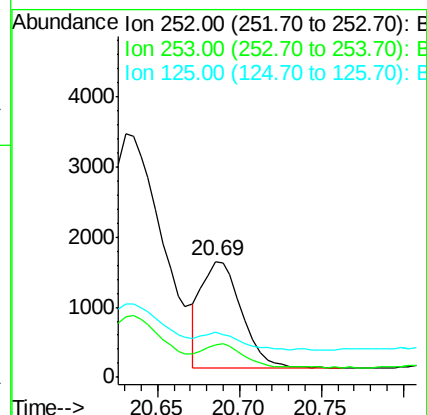
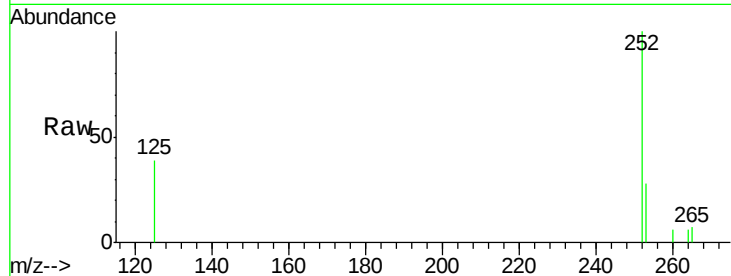
Tgt Ion:252 Resp: 2575

Ion Ratio Lower Upper

252 100

253 28.3 17.8 26.8#

125 38.5 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.26 ng

RT: 21.27 min Scan# 3689

Delta R.T. 0.02 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

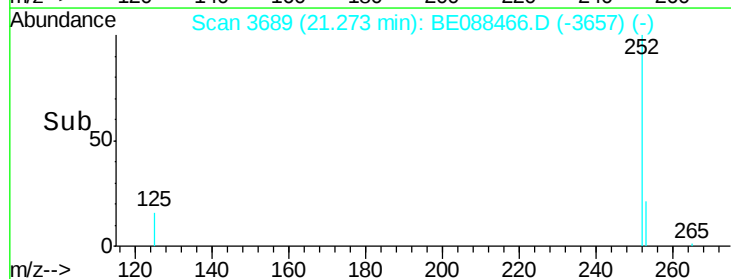
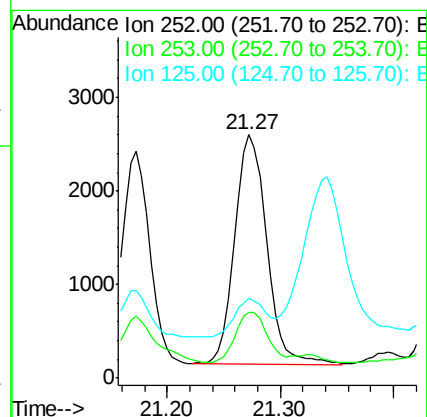
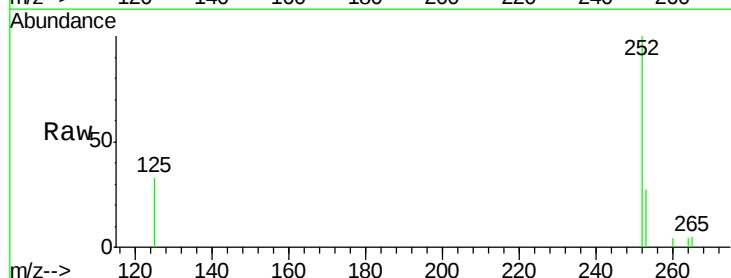
Tgt Ion:252 Resp: 4738

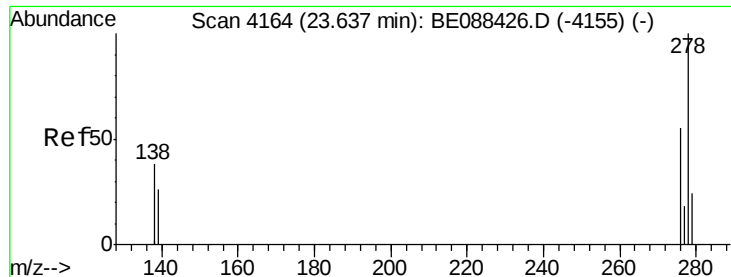
Ion Ratio Lower Upper

252 100

253 26.9 18.2 27.4

125 32.7 13.7 20.5#





#26

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 23.66 min Scan# 4167

Delta R.T. 0.03 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS40-1014RE

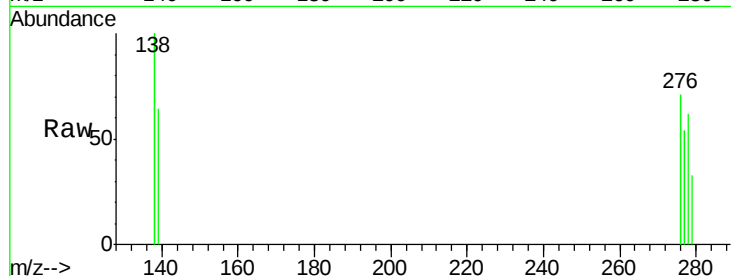
Tgt Ion: 278 Resp: 770

Ion Ratio Lower Upper

278 100

139 102.1 22.1 33.1#

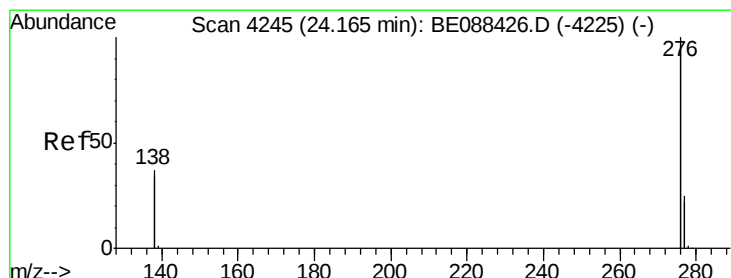
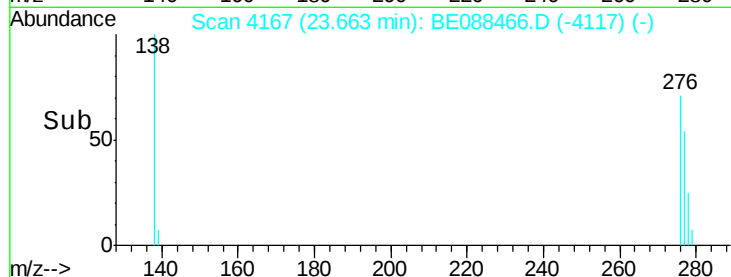
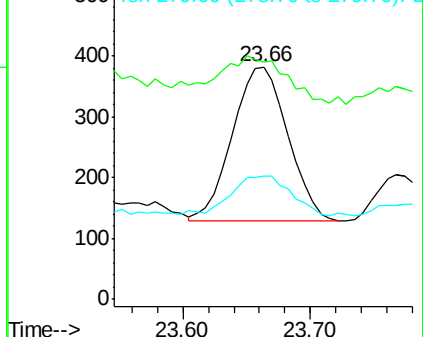
279 52.7 19.7 29.5#



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



#27

Benzo(g,h,i)perylene

Concen: 0.19 ng

RT: 24.20 min Scan# 4250

Delta R.T. 0.04 min

Lab File: BE088466.D

Acq: 1 Nov 2014 23:45

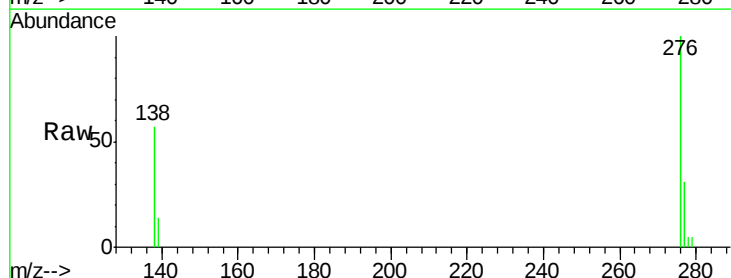
Tgt Ion: 276 Resp: 14457

Ion Ratio Lower Upper

276 100

277 30.7 19.8 29.6#

138 56.7 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

