

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088440.D
 Acq On : 1 Nov 2014 1:58
 Operator : TP/JJ
 Sample : F4379-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014

Quant Time: Nov 01 03:16:15 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

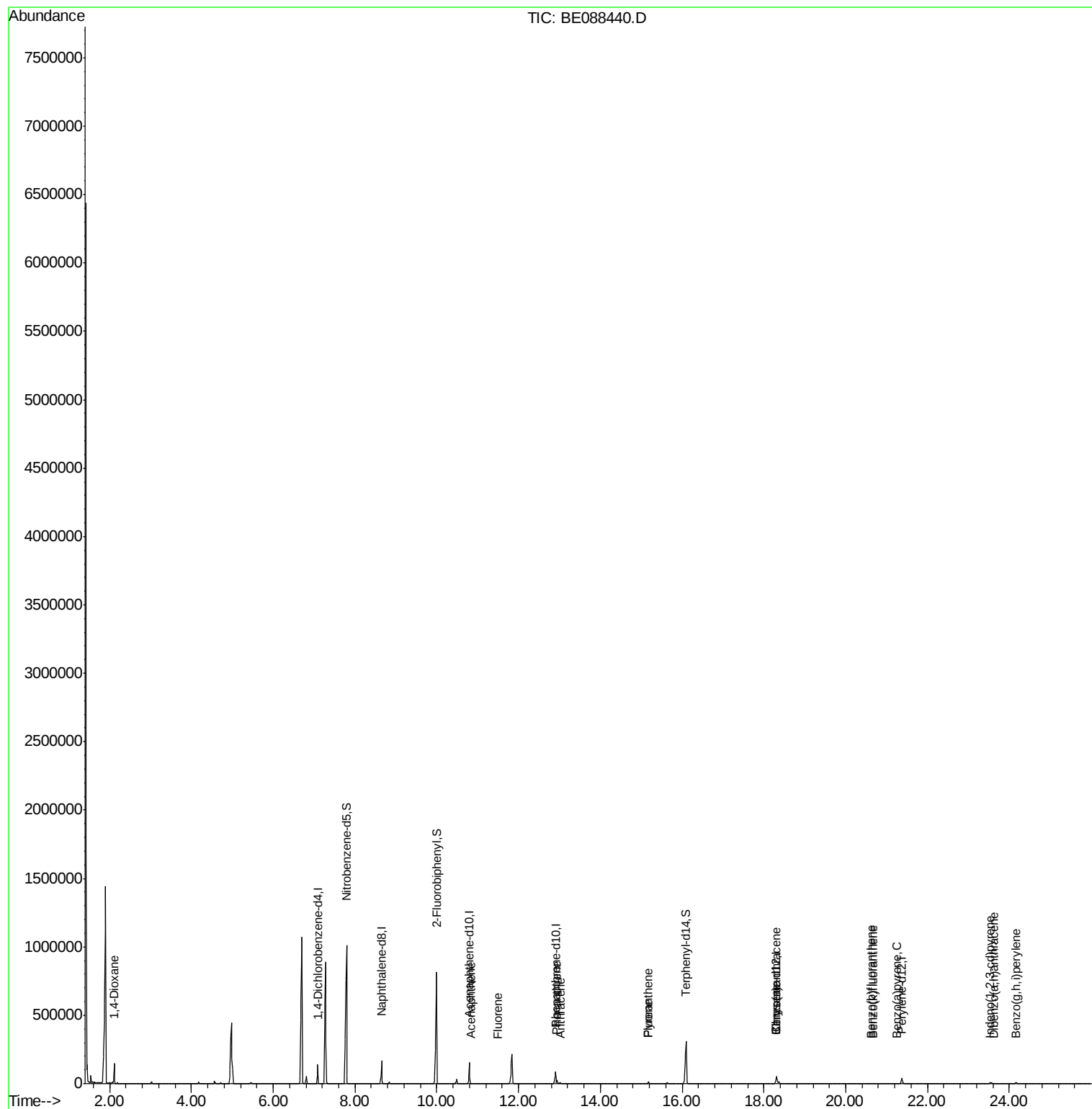
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	46076	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	162643	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	69798	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	118011	5.00	ng	0.00
16) Chrysene-d12	18.31	240	57912	5.00	ng	0.00
22) Perylene-d12	21.37	264	53047	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	907697	76.10	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	980517	49.84	ng	0.01
18) Terphenyl-d14	16.10	244	563015	52.92	ng	0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	2.11	88	5087	0.84	ng	# 1
10) Acenaphthene	10.84	154	383	0.02	ng	# 37
11) Fluorene	11.49	166	412	0.02	ng	# 92
13) Phenanthrene	12.94	178	36957	0.34	ng	# 89
14) Anthracene	13.02	178	5877	0.07	ng	# 79
15) Fluoranthene	15.18	202	11066	0.64	ng	100
17) Pyrene	15.18	202	11041	0.58	ng	100
19) Benzo(a)anthracene	18.29	228	18384	0.34	ng	95
20) Chrysene	18.29	228	18449	0.34	ng	96
21) Indeno(1,2,3-cd)pyrene	23.55	276	10614	0.21	ng	# 82
23) Benzo(b)fluoranthene	20.61	252	5538	0.48	ng	# 93
24) Benzo(k)fluoranthene	20.67	252	2135	0.17	ng	# 84
25) Benzo(a)pyrene	21.25	252	3877	0.35	ng	# 92
26) Dibenzo(a,h)anthracene	23.62	278	527	0.05	ng	# 50
27) Benzo(g,h,i)perylene	24.17	276	10567	0.22	ng	89

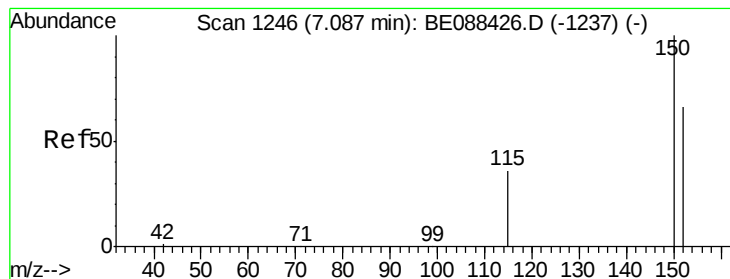
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

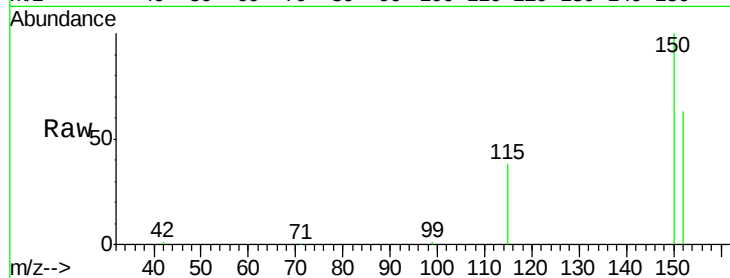
Tgt Ion:152 Resp: 46076

Ion Ratio Lower Upper

152 100

150 159.7 121.8 182.8

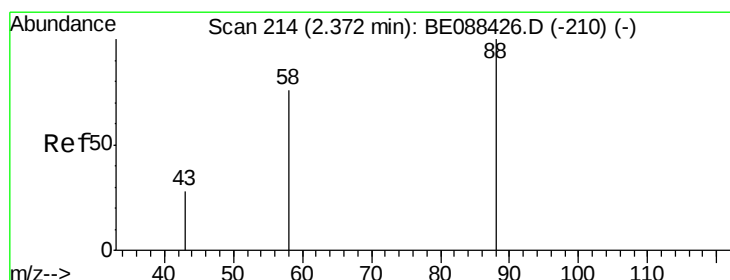
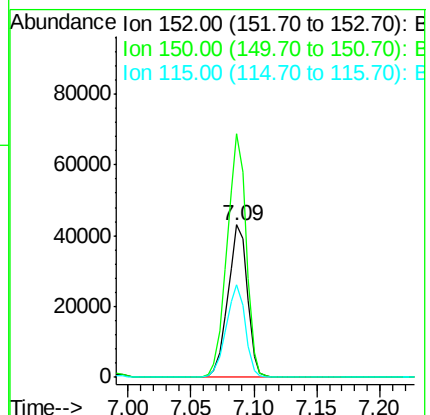
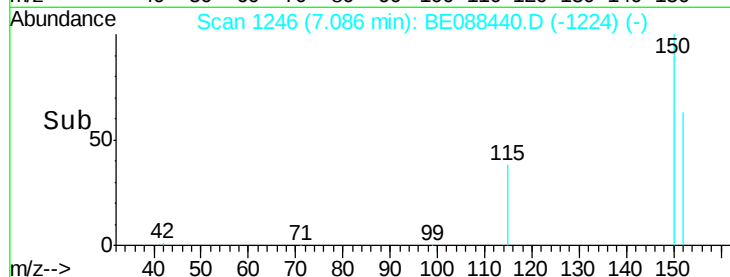
115 60.7 43.9 65.9



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: 0.84 ng

RT: 2.11 min Scan# 158

Delta R.T. -0.26 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

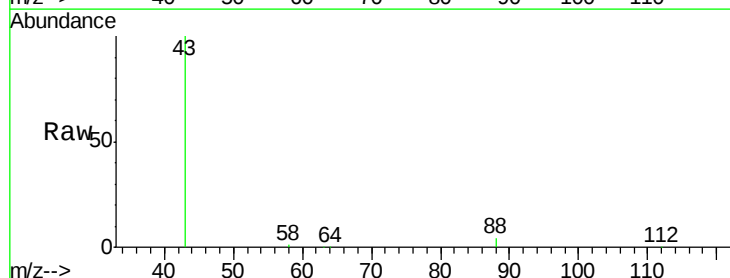
Tgt Ion: 88 Resp: 5087

Ion Ratio Lower Upper

88 100

58 24.5 59.1 88.7#

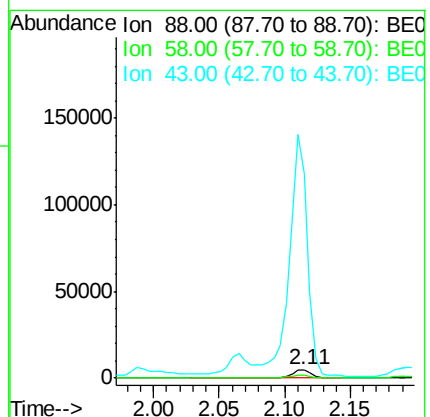
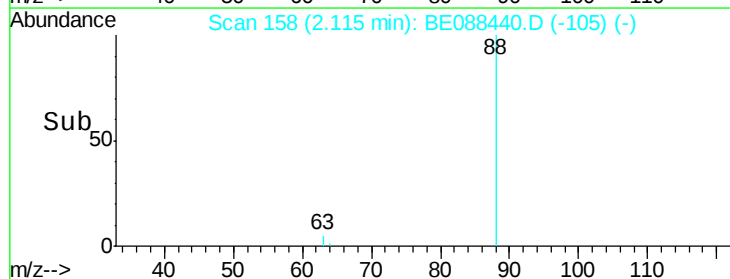
43 2667.3 21.9 32.9#

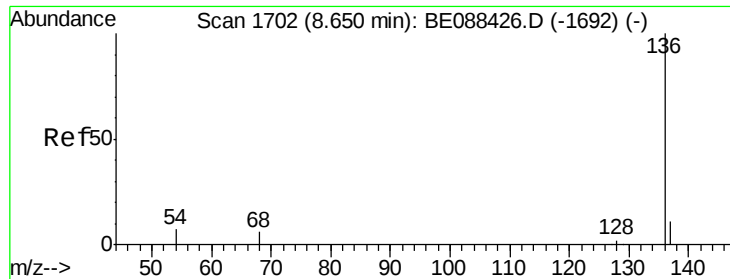


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

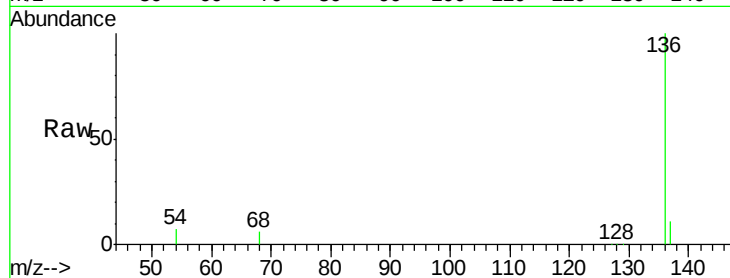




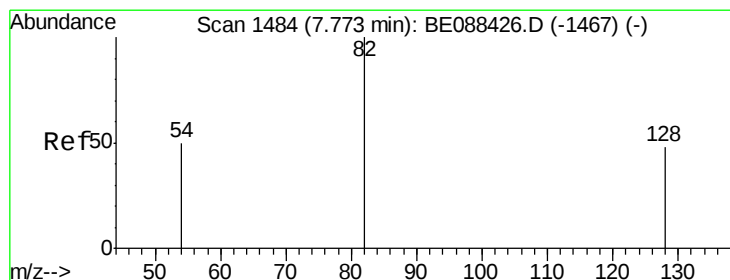
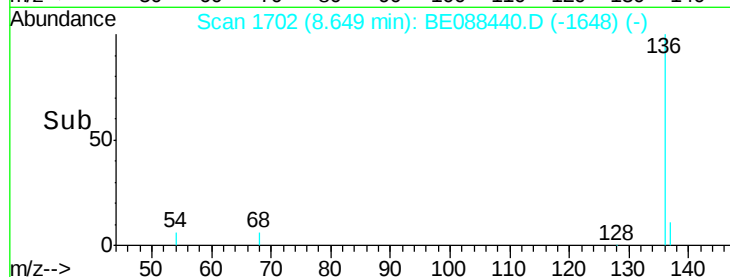
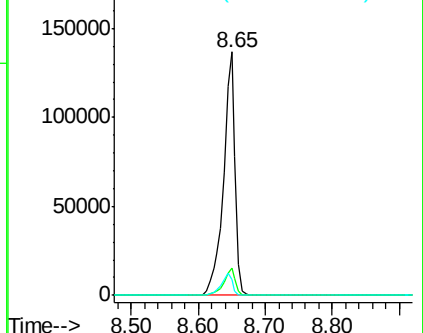
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Instrument :
BNA_E
ClientSampleId :
YS19-SB29-1014

Tgt Ion: 136 Resp: 162643
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.3 7.9

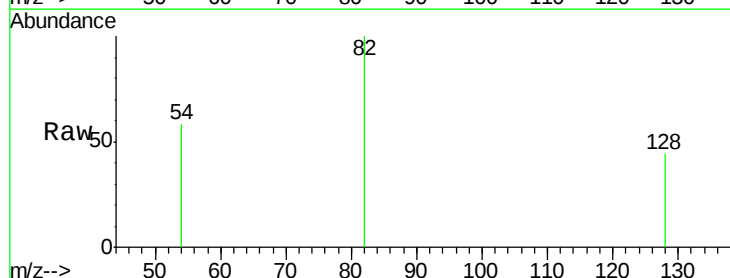


Abundance Ion 136.00 (135.70 to 136.70): BE088440.D (-1692) (-)
Ion 137.00 (136.70 to 137.70): BE088440.D (-1692) (-)
Ion 54.00 (53.70 to 54.70): BE088440.D (-1692) (-)

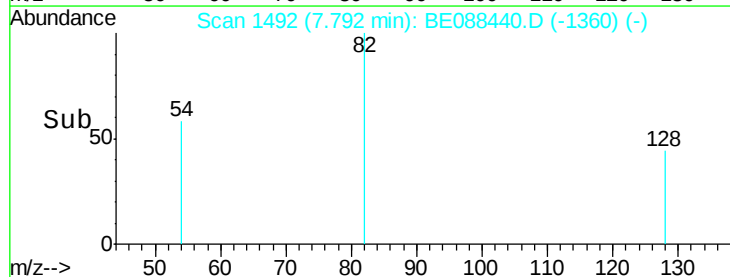
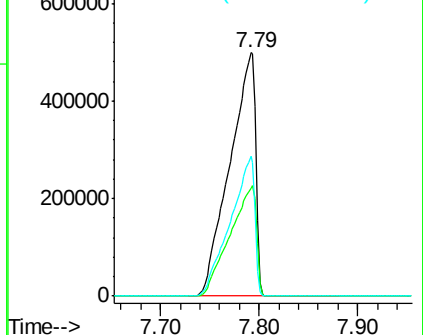


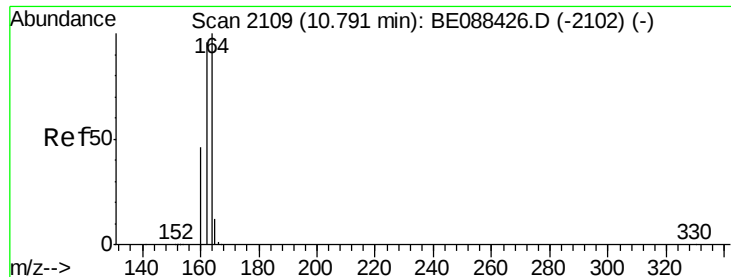
#4
Nitrobenzene-d5
Concen: 76.10 ng
RT: 7.79 min Scan# 1492
Delta R.T. 0.02 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Tgt Ion: 82 Resp: 907697
Ion Ratio Lower Upper
82 100
128 44.5 38.4 57.6
54 57.6 40.2 60.2



Abundance Ion 82.00 (81.70 to 82.70): BE088440.D (-1360) (-)
Ion 128.00 (127.70 to 128.70): BE088440.D (-1360) (-)
Ion 54.00 (53.70 to 54.70): BE088440.D (-1360) (-)





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

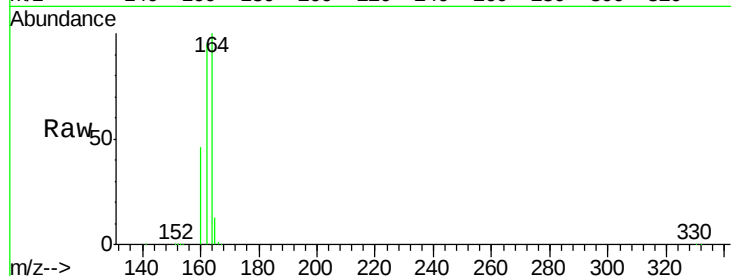
Tgt Ion:164 Resp: 69798

Ion Ratio Lower Upper

164 100

162 95.3 77.0 115.4

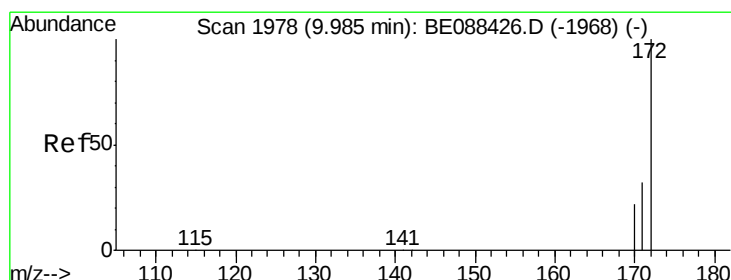
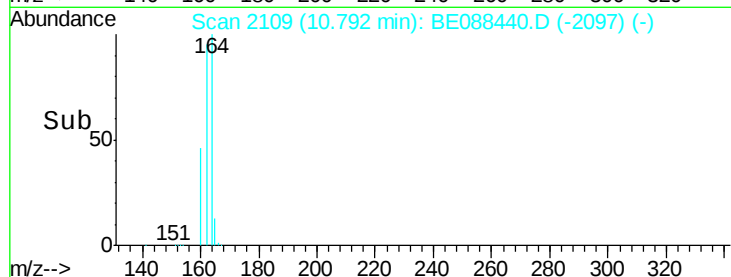
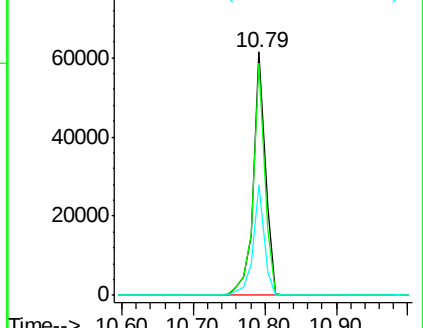
160 45.6 36.8 55.2



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: 49.84 ng

RT: 10.00 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

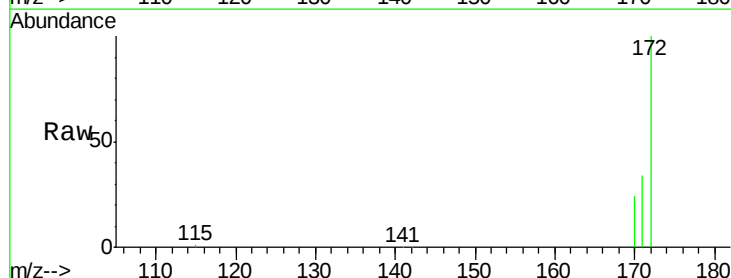
Tgt Ion:172 Resp: 980517

Ion Ratio Lower Upper

172 100

171 34.0 26.0 39.0

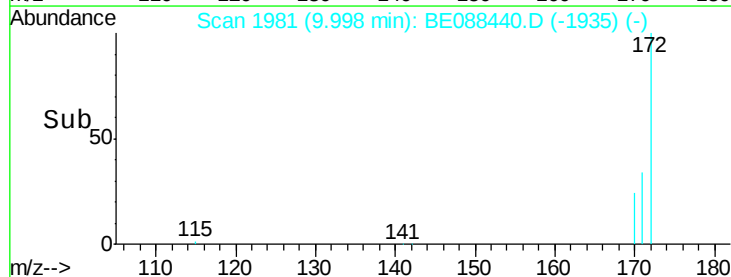
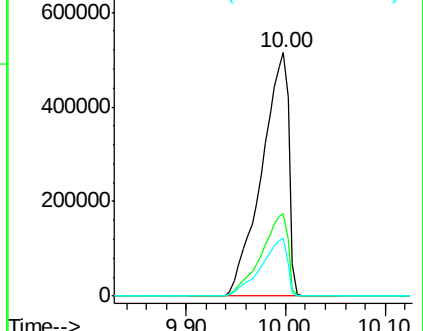
170 23.6 17.6 26.4

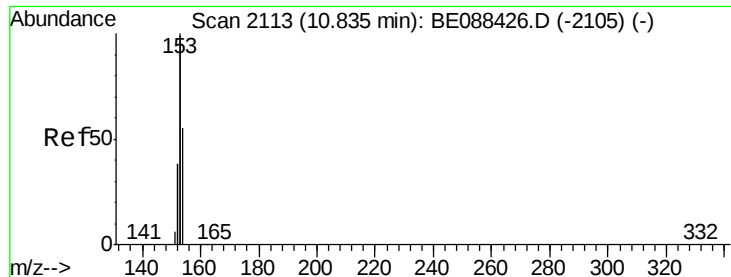


Abundance Ion 172.00 (171.70 to 172.70): E

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: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

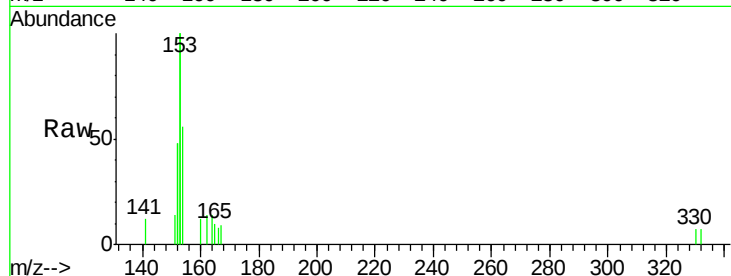
Tgt Ion:154 Resp: 383

Ion Ratio Lower Upper

154 100

153 504.7 324.3 486.5#

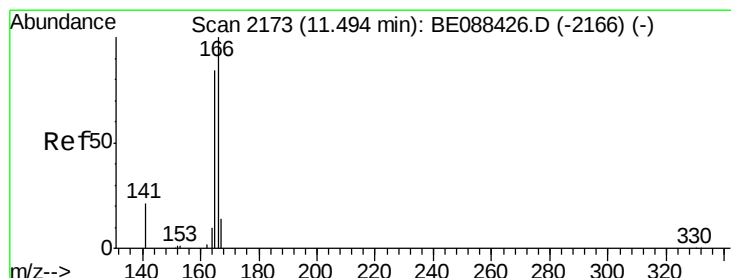
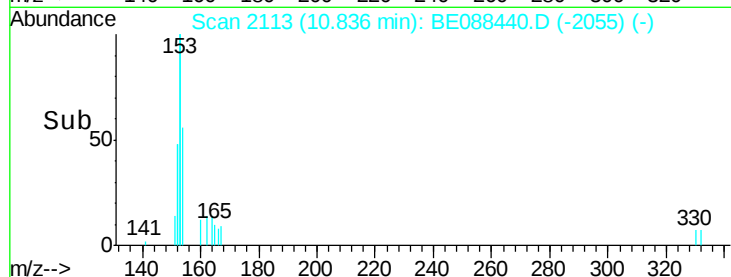
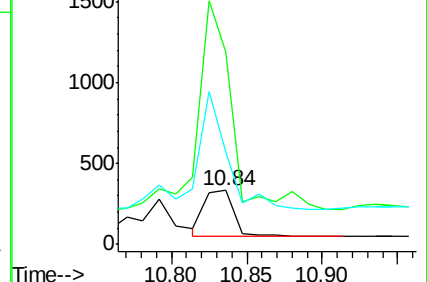
152 352.7 154.9 232.3#



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



#11

Fluorene

Concen: 0.02 ng

RT: 11.49 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

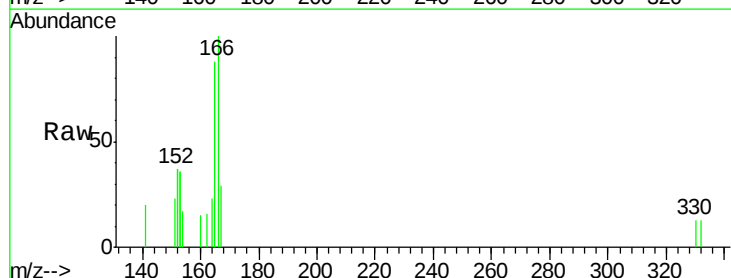
Tgt Ion:166 Resp: 412

Ion Ratio Lower Upper

166 100

165 92.7 71.3 106.9

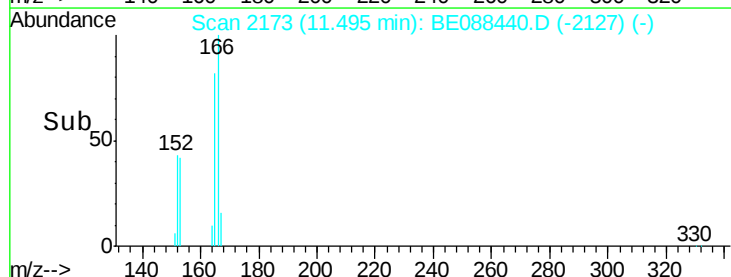
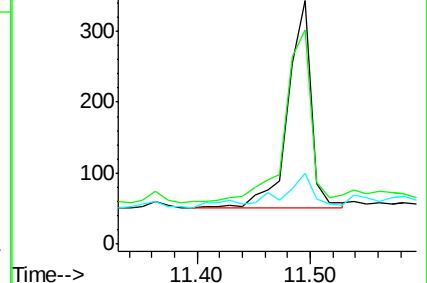
167 0.0 10.7 16.1#

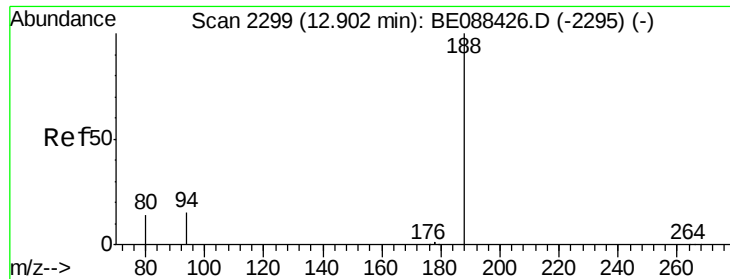


Abundance Ion 166.00 (165.70 to 166.70): E

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: 12.90 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

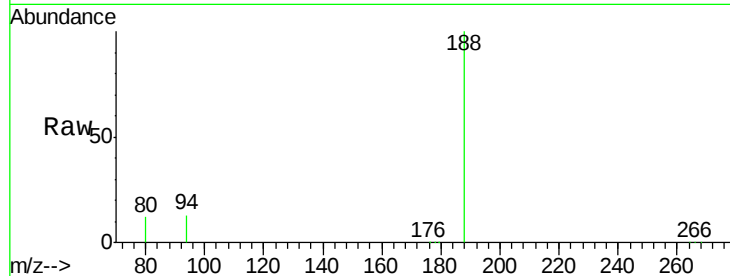
Tgt Ion:188 Resp: 118011

Ion Ratio Lower Upper

188 100

94 12.9 11.8 17.8

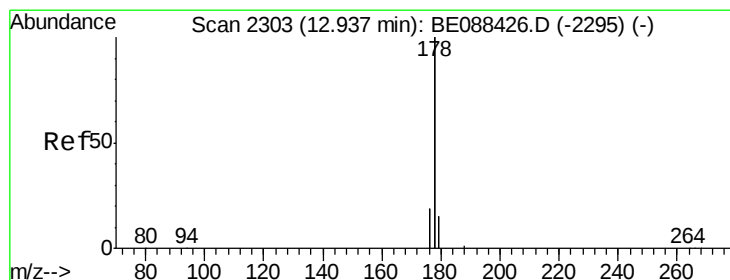
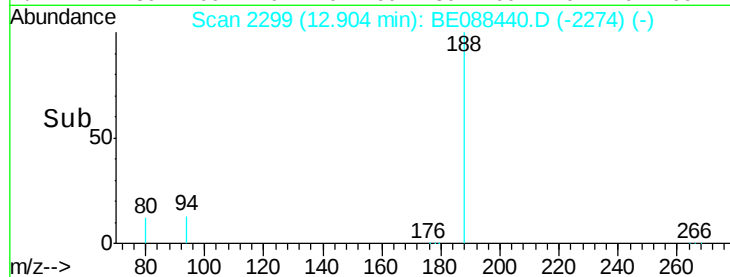
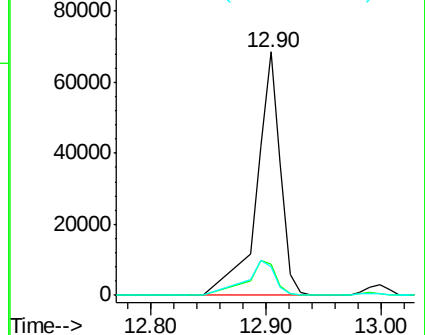
80 11.7 10.9 16.3



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: 0.34 ng

RT: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

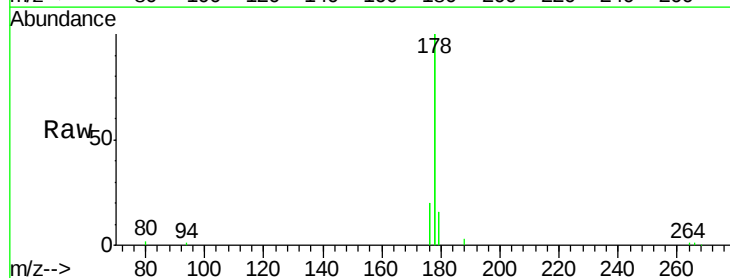
Tgt Ion:178 Resp: 36957

Ion Ratio Lower Upper

178 100

176 22.1 15.4 23.2

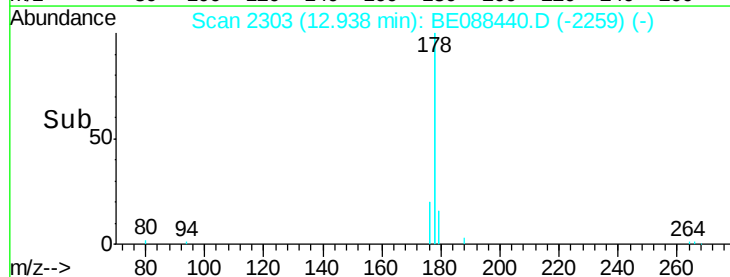
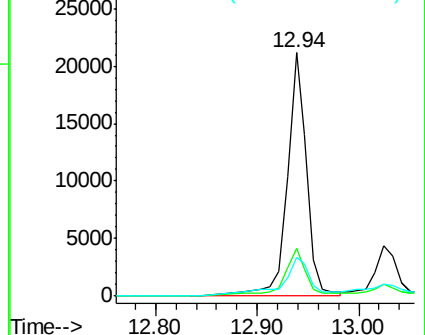
179 22.7 12.8 19.2#

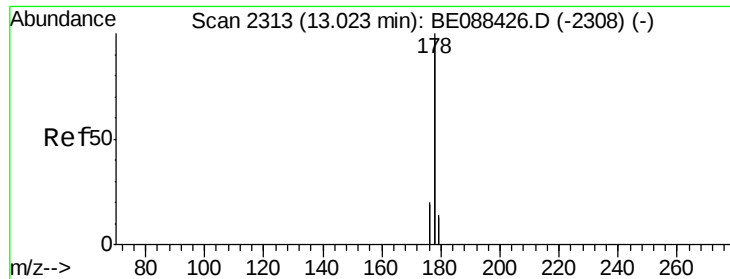


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#14

Anthracene

Concen: 0.07 ng

RT: 13.02 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

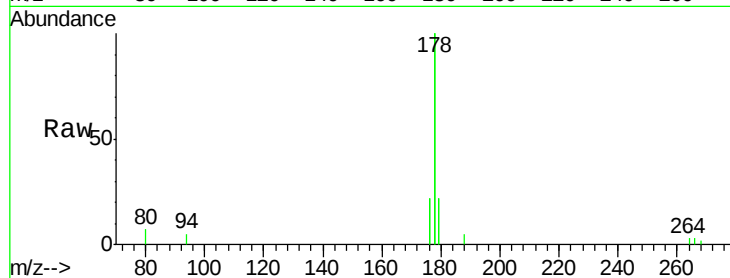
Tgt Ion:178 Resp: 5877

Ion Ratio Lower Upper

178 100

176 25.0 15.0 22.4#

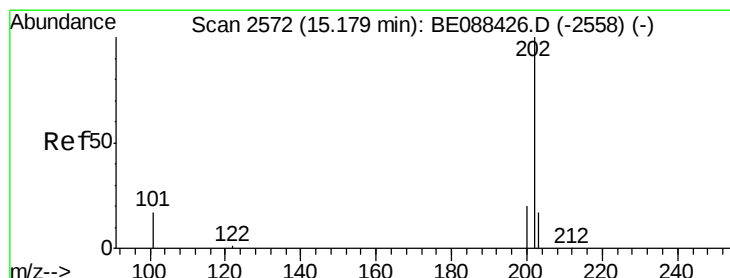
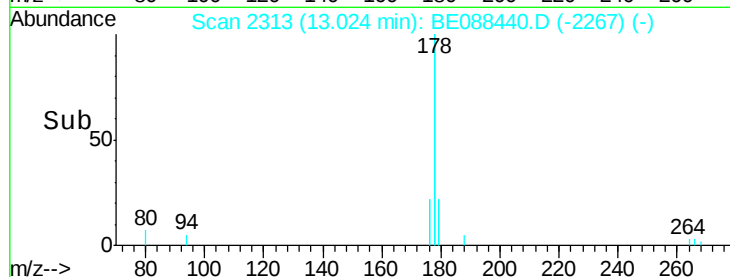
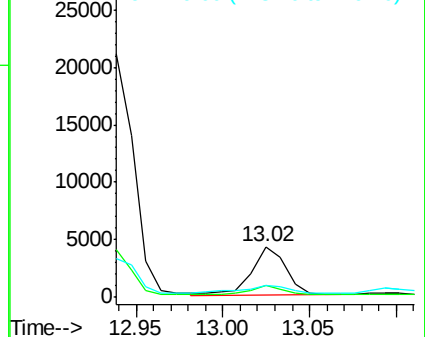
179 27.8 12.5 18.7#



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: 0.64 ng

RT: 15.18 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

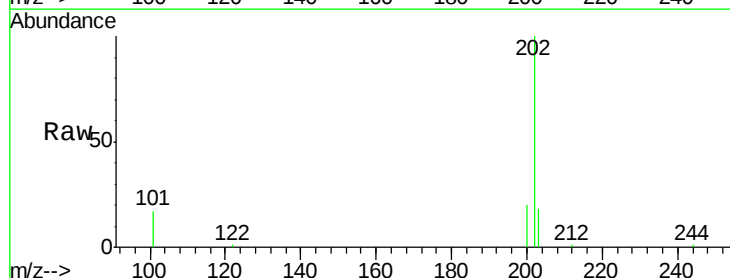
Tgt Ion:202 Resp: 11066

Ion Ratio Lower Upper

202 100

101 17.9 14.3 21.5

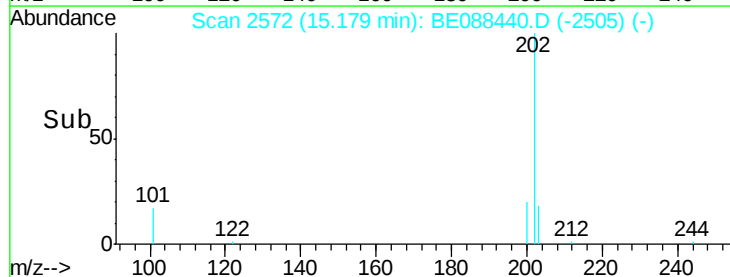
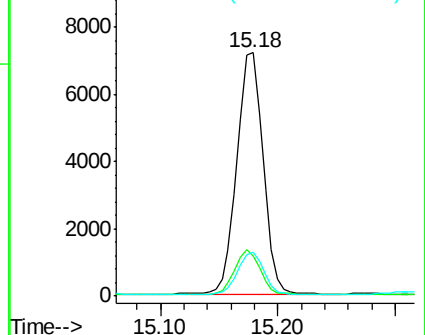
203 17.2 13.6 20.4

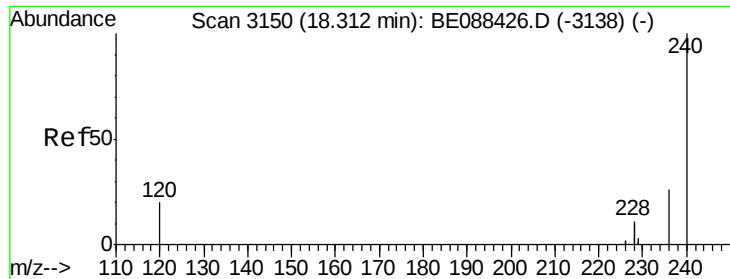


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.31 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

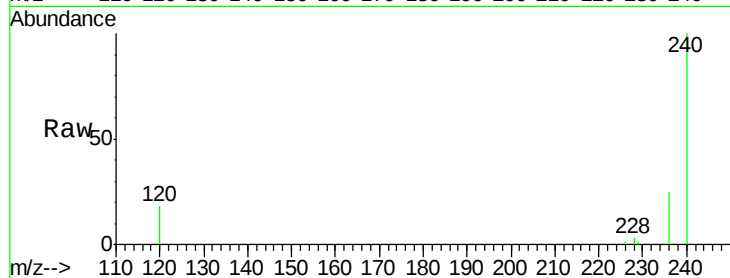
Tgt Ion:240 Resp: 57912

Ion Ratio Lower Upper

240 100

120 17.7 16.4 24.6

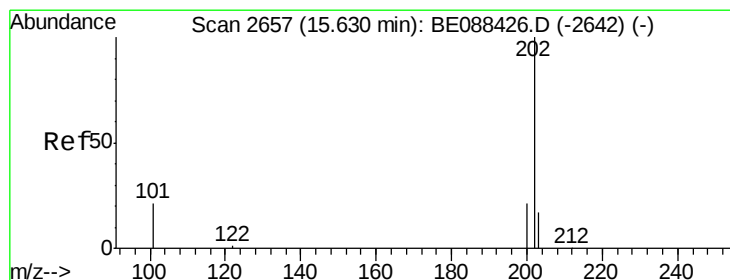
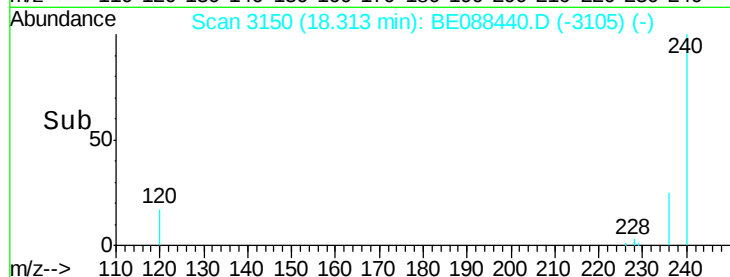
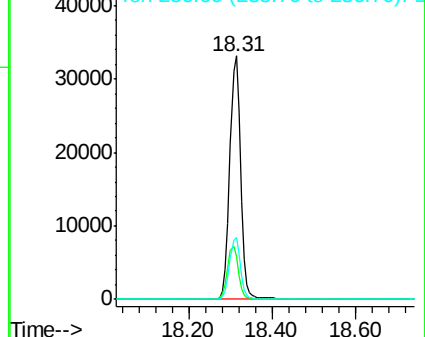
236 25.4 20.5 30.7



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: 0.58 ng

RT: 15.18 min Scan# 2572

Delta R.T. -0.45 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

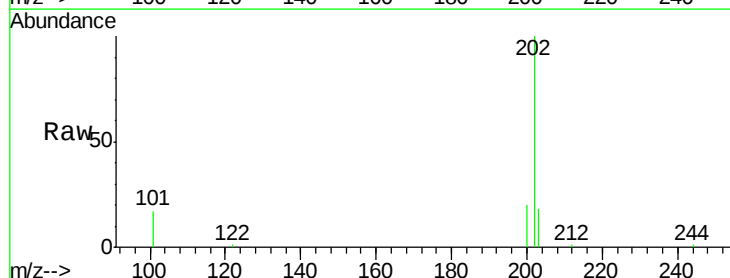
Tgt Ion:202 Resp: 11041

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

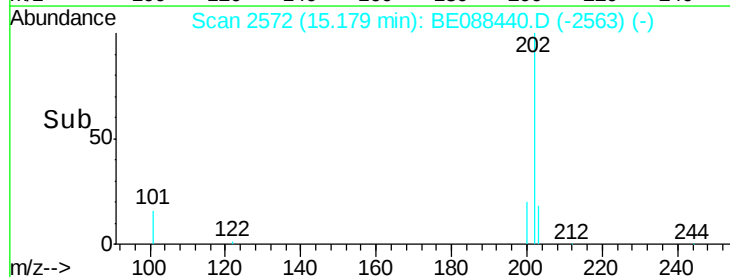
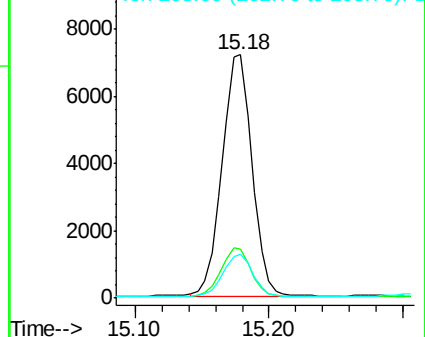
203 17.3 13.8 20.8

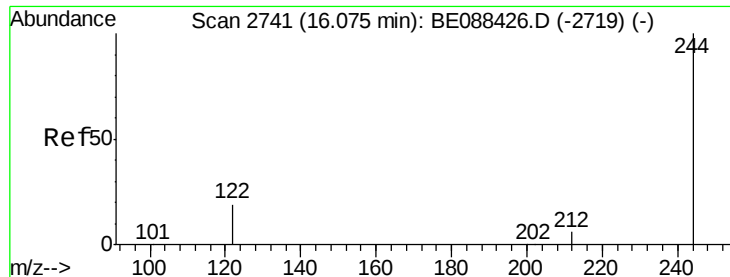


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

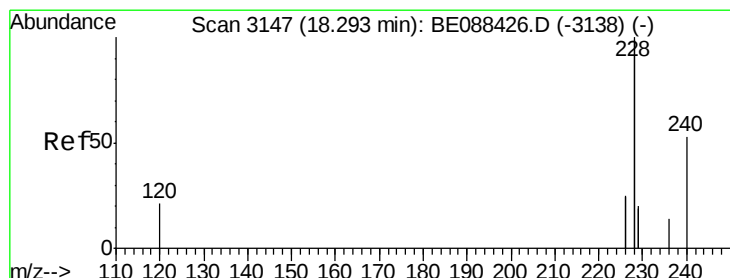
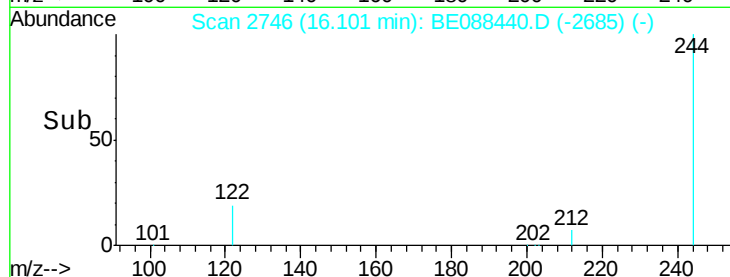
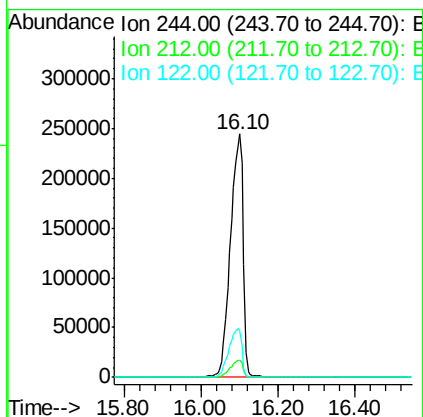
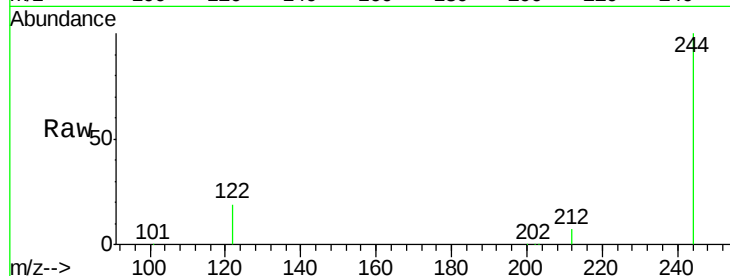




#18
 Terphenyl-d14
 Concen: 52.92 ng
 RT: 16.10 min Scan# 2746
 Delta R.T. 0.03 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

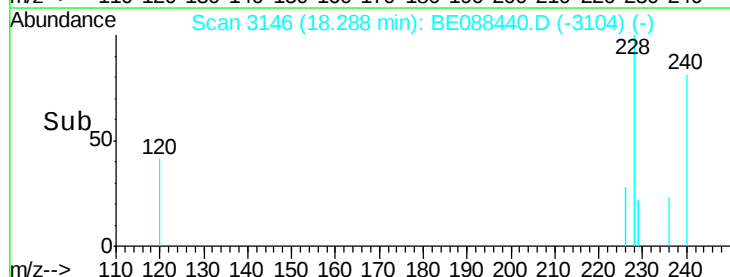
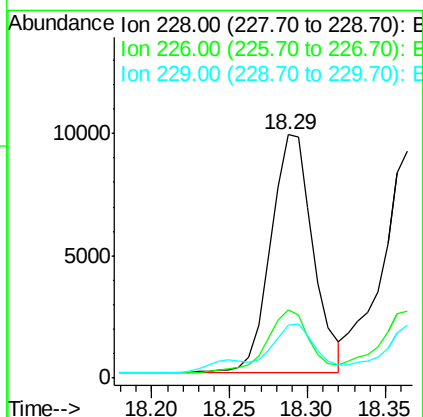
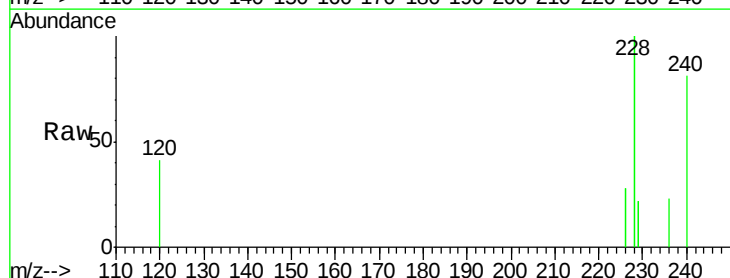
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014

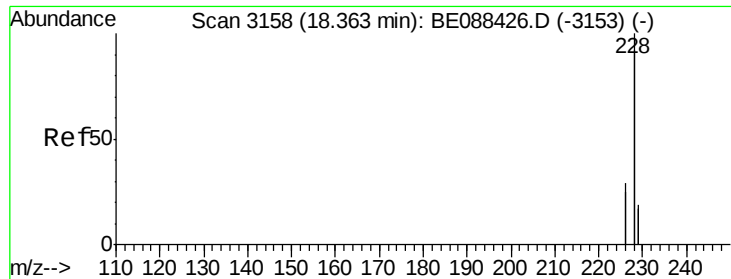
Tgt Ion:244 Resp: 563015
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 19.2 15.6 23.4



#19
 Benzo(a)anthracene
 Concen: 0.34 ng
 RT: 18.29 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Tgt Ion:228 Resp: 18384
 Ion Ratio Lower Upper
 228 100
 226 27.8 19.8 29.6
 229 21.9 16.0 24.0





#20

Chrysene

Concen: 0.34 ng

RT: 18.29 min Scan# 3146

Delta R.T. -0.08 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

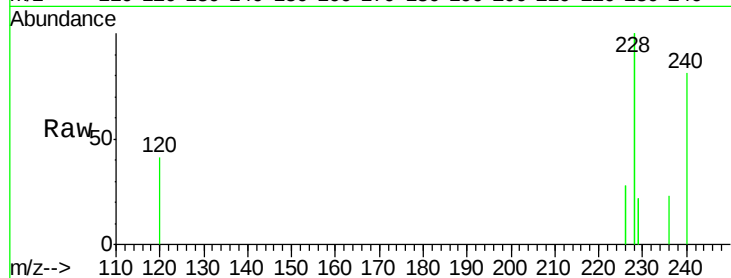
Tgt Ion:228 Resp: 18449

Ion Ratio Lower Upper

228 100

226 27.8 23.6 35.4

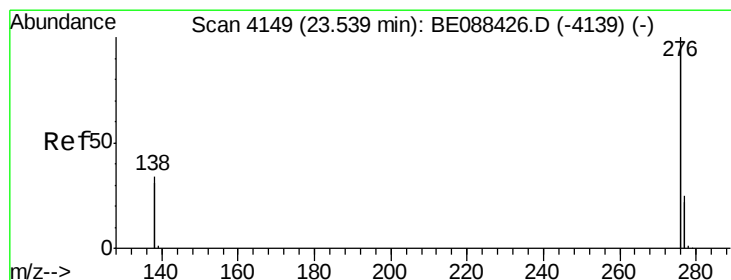
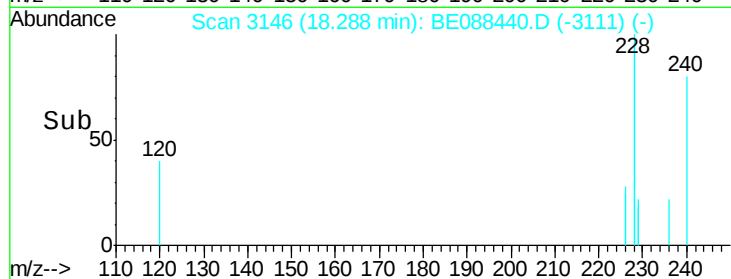
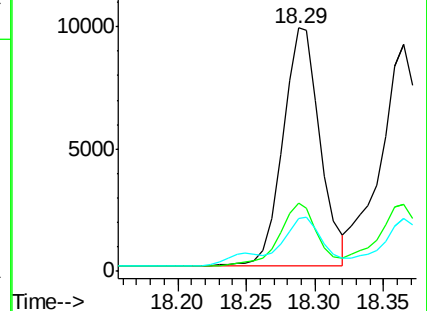
229 21.9 15.4 23.2



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: 0.21 ng

RT: 23.55 min Scan# 4150

Delta R.T. 0.01 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

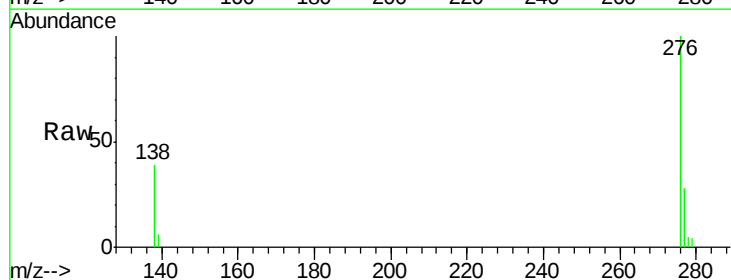
Tgt Ion:276 Resp: 10614

Ion Ratio Lower Upper

276 100

138 33.4 20.2 30.2#

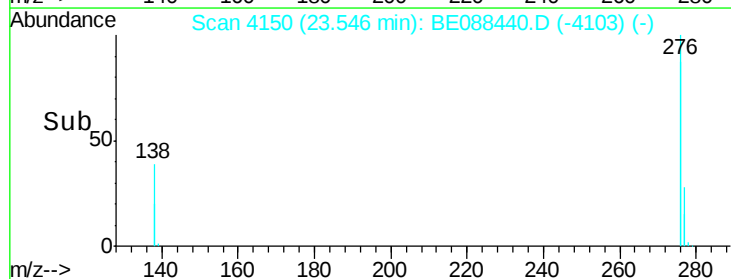
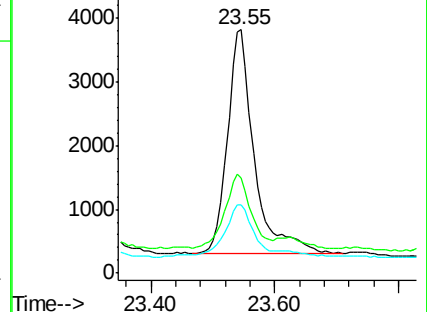
277 27.6 14.8 22.2#

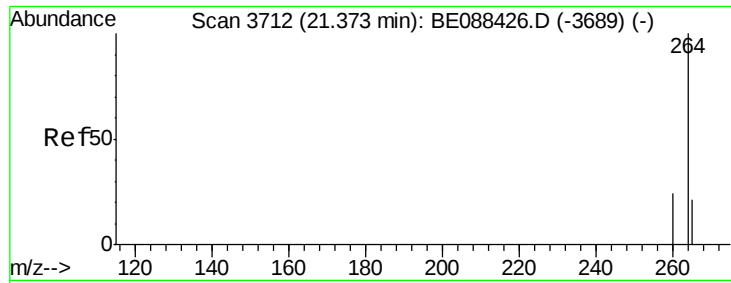


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

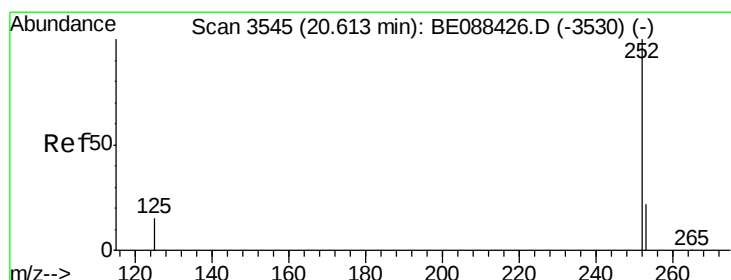
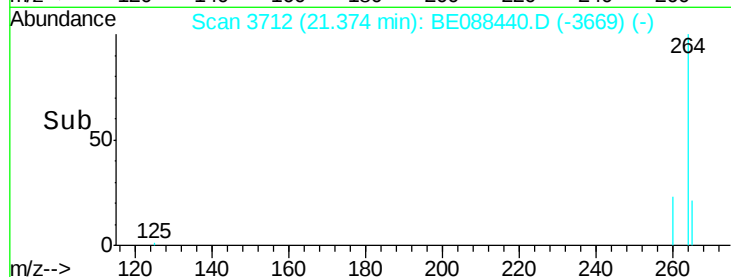
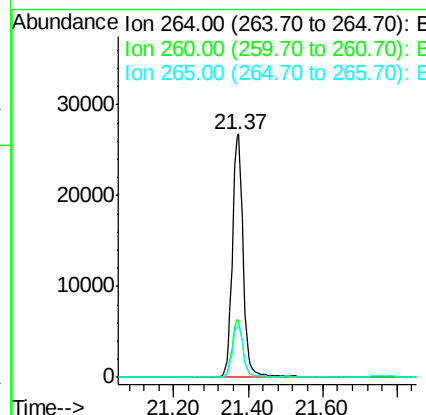
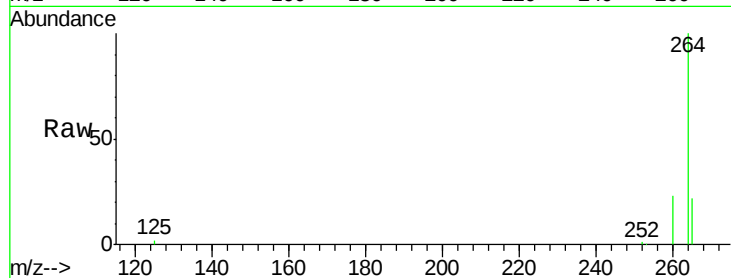




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3712
 Delta R.T. 0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

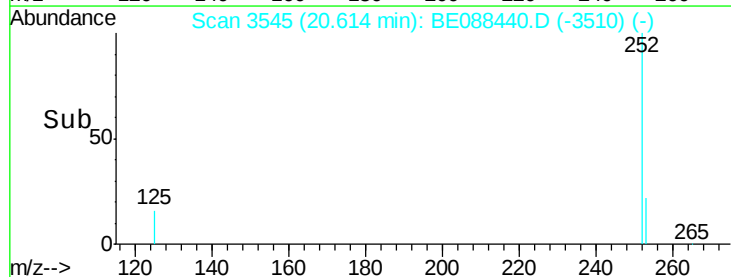
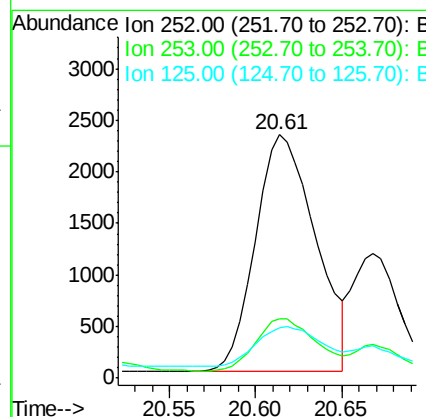
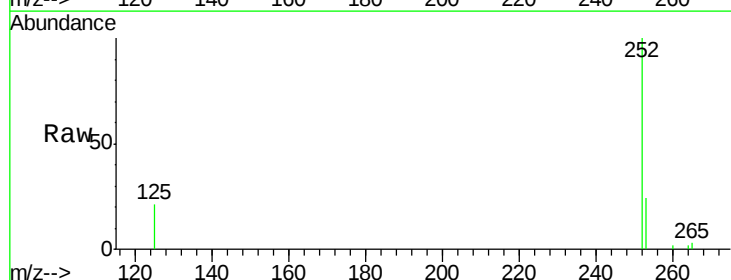
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB29-1014

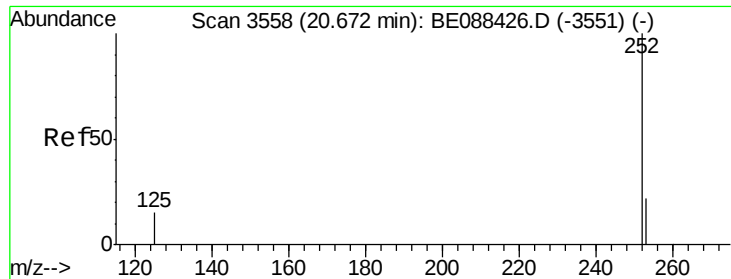
Tgt Ion: 264 Resp: 53047
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.9 28.3
 265 21.6 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 0.48 ng
 RT: 20.61 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: BE088440.D
 Acq: 1 Nov 2014 1:58

Tgt Ion: 252 Resp: 5538
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.8 26.8
 125 20.7 12.3 18.5#





#24

Benzo(k)fluoranthene

Concen: 0.17 ng

RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

Instrument :

BNA_E

ClientSampleId :

YS19-SB29-1014

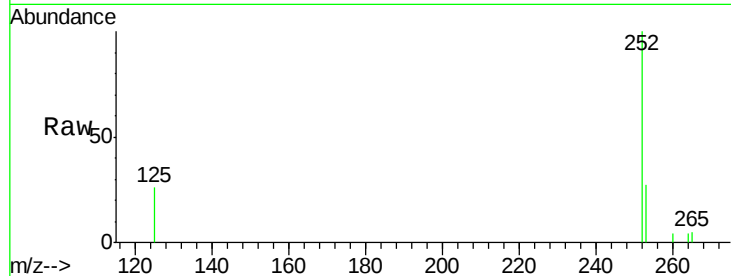
Tgt Ion:252 Resp: 2135

Ion Ratio Lower Upper

252 100

253 26.9 17.8 26.8#

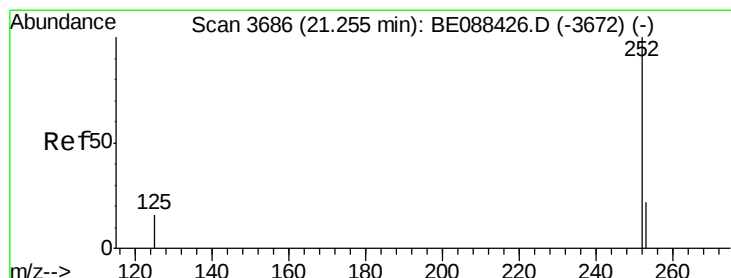
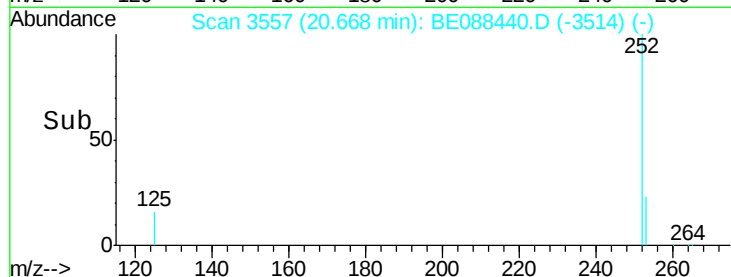
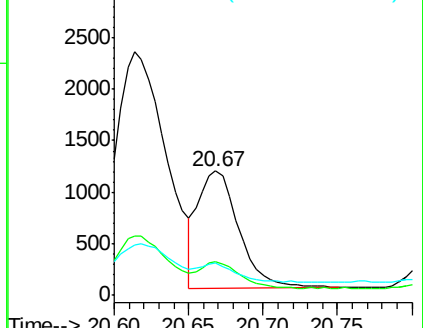
125 25.7 12.2 18.4#



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: 0.35 ng

RT: 21.25 min Scan# 3685

Delta R.T. -0.00 min

Lab File: BE088440.D

Acq: 1 Nov 2014 1:58

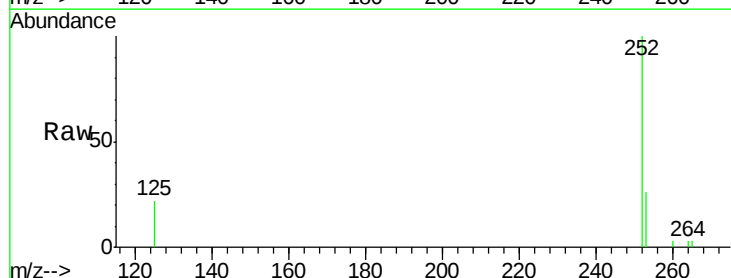
Tgt Ion:252 Resp: 3877

Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.4

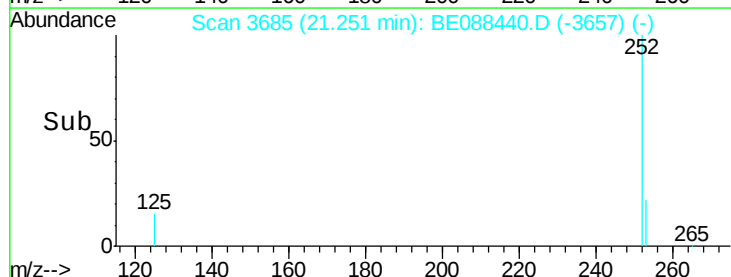
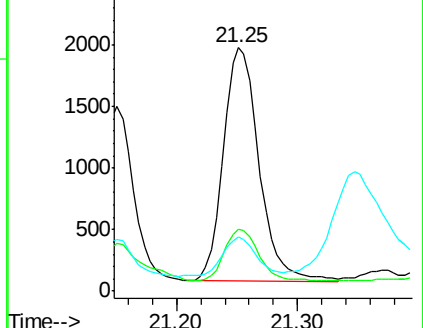
125 22.1 13.7 20.5#

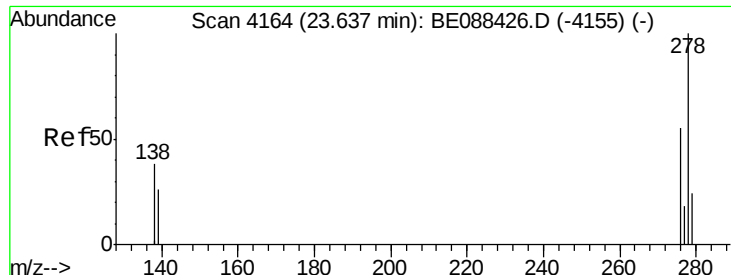


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

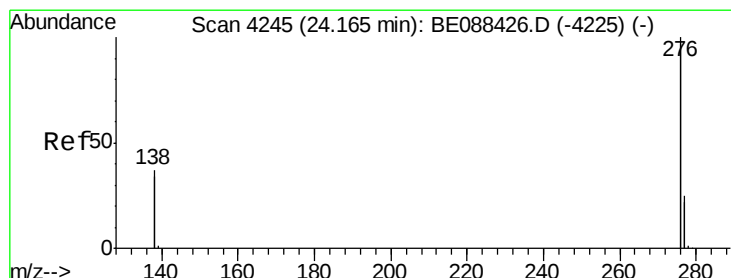
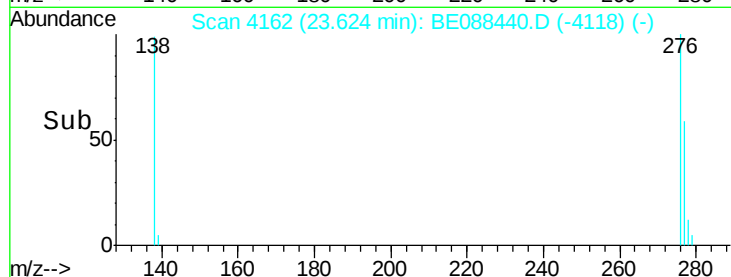
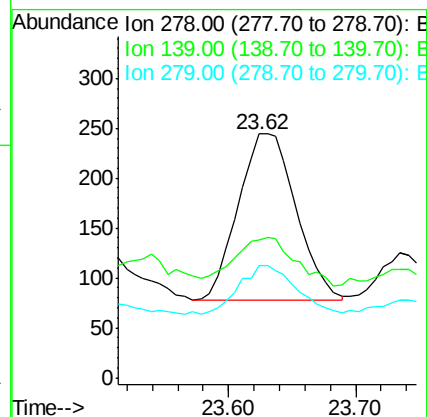
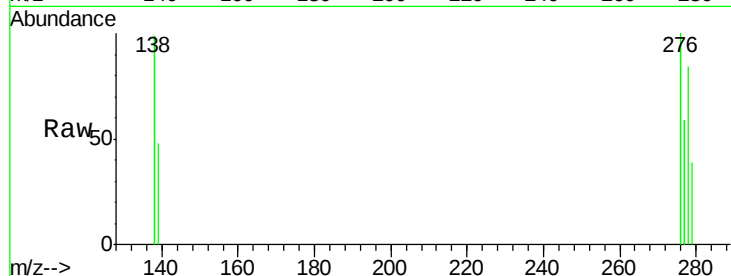




#26
Dibenzo(a,h)anthracene
Concen: 0.05 ng
RT: 23.62 min Scan# 4162
Delta R.T. -0.01 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Instrument :
BNA_E
ClientSampleId :
YS19-SB29-1014

Tgt Ion: 278 Resp: 527
Ion Ratio Lower Upper
278 100
139 56.6 22.1 33.1#
279 46.3 19.7 29.5#



#27
Benzo(g,h,i)perylene
Concen: 0.22 ng
RT: 24.17 min Scan# 4245
Delta R.T. 0.00 min
Lab File: BE088440.D
Acq: 1 Nov 2014 1:58

Tgt Ion: 276 Resp: 10567
Ion Ratio Lower Upper
276 100
277 28.9 19.8 29.6
138 43.7 29.3 43.9

