

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088442.D
 Acq On : 1 Nov 2014 3:03
 Operator : TP/JJ
 Sample : F4379-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS36-1014

Quant Time: Nov 01 03:17:01 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

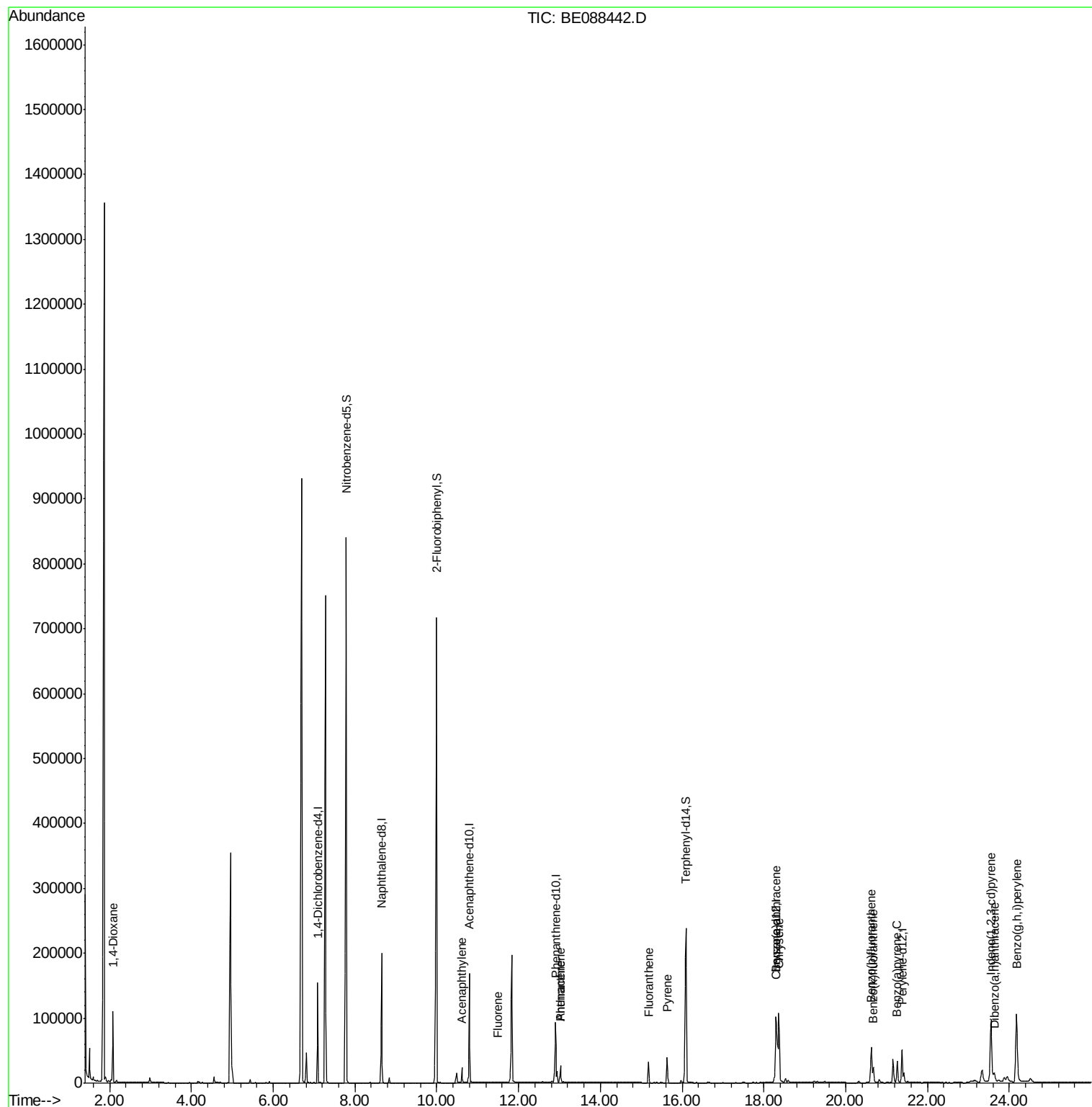
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	49144	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	175997	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	72229	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	125909	5.00	ng	0.00
16) Chrysene-d12	18.31	240	71212	5.00	ng	0.00
22) Perylene-d12	21.38	264	66973	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	647080	50.13	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	686953	33.74	ng	0.00
18) Terphenyl-d14	16.10	244	392161	29.98	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.08	88	3671	0.57	ng	# 1
9) Acenaphthylene	10.62	152	19332	0.17	ng	# 99
11) Fluorene	11.50	166	593	0.03	ng	# 88
13) Phenanthrene	13.02	178	26322	0.23	ng	# 97
14) Anthracene	13.02	178	26322	0.28	ng	# 96
15) Fluoranthene	15.18	202	32169	1.73	ng	100
17) Pyrene	15.63	202	38799	1.67	ng	98
19) Benzo(a)anthracene	18.29	228	112010	1.67	ng	98
20) Chrysene	18.36	228	169956	2.58	ng	99
21) Indeno(1,2,3-cd)pyrene	23.55	276	184610	3.01	ng	# 90
23) Benzo(b)fluoranthene	20.62	252	91229	6.21	ng	99
24) Benzo(k)fluoranthene	20.67	252	29791	1.84	ng	99
25) Benzo(a)pyrene	21.26	252	45693	3.24	ng	98
26) Dibenzo(a,h)anthracene	23.64	278	8666	0.66	ng	96
27) Benzo(g,h,i)perylene	24.18	276	200094	3.33	ng	97

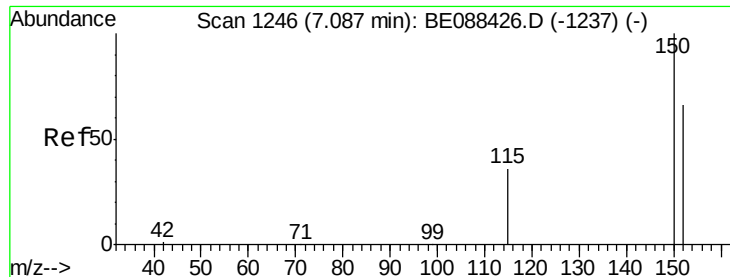
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088442.D
Acq On : 1 Nov 2014 3:03
Operator : TP/JJ
Sample : F4379-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SS36-1014

Quant Time: Nov 01 03:17:01 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: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

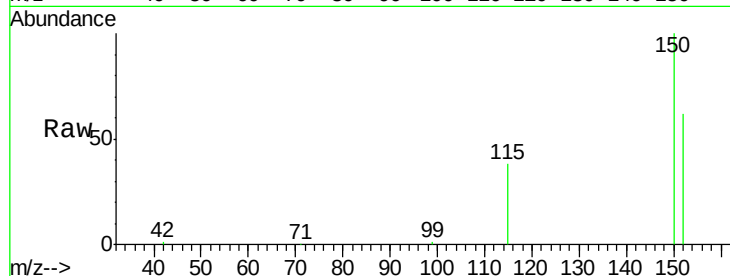
Tgt Ion:152 Resp: 49144

Ion Ratio Lower Upper

152 100

150 160.9 121.8 182.8

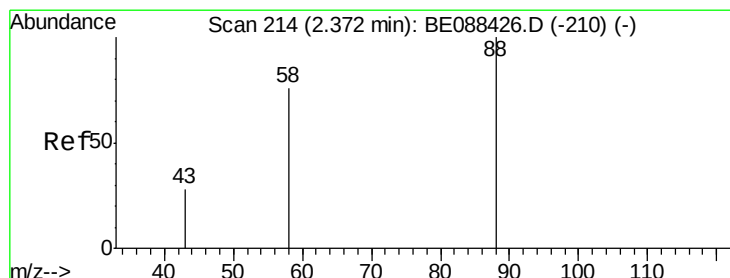
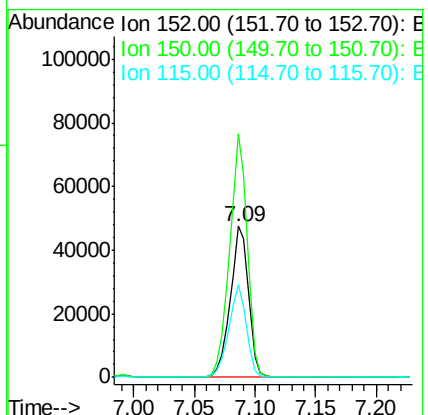
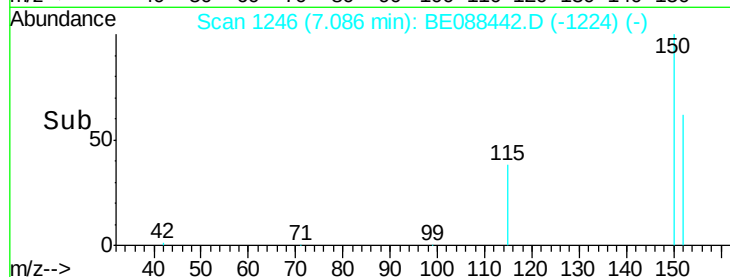
115 61.3 43.9 65.9



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: 0.57 ng

RT: 2.08 min Scan# 151

Delta R.T. -0.29 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

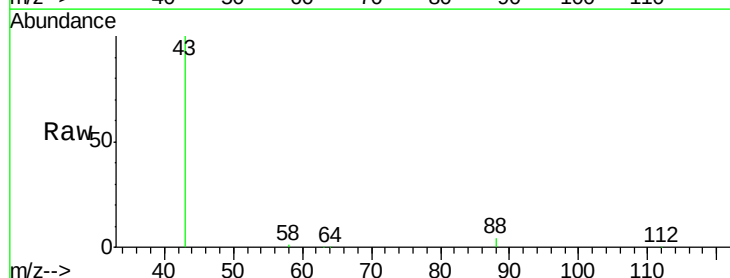
Tgt Ion: 88 Resp: 3671

Ion Ratio Lower Upper

88 100

58 25.1 59.1 88.7#

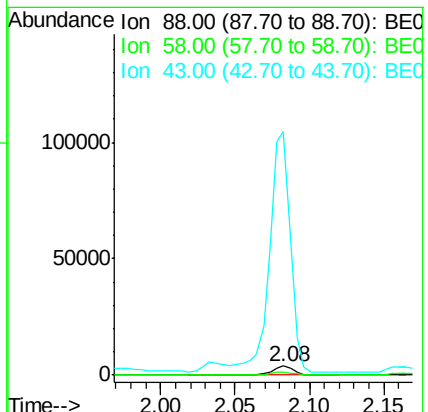
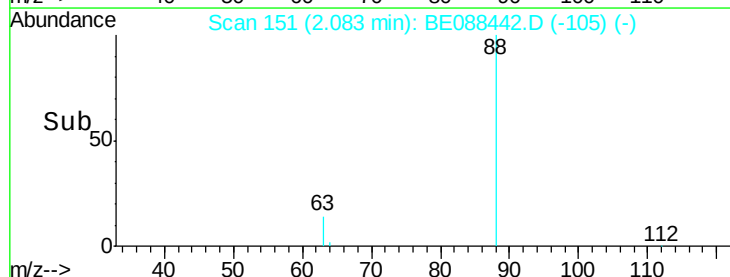
43 2776.3 21.9 32.9#

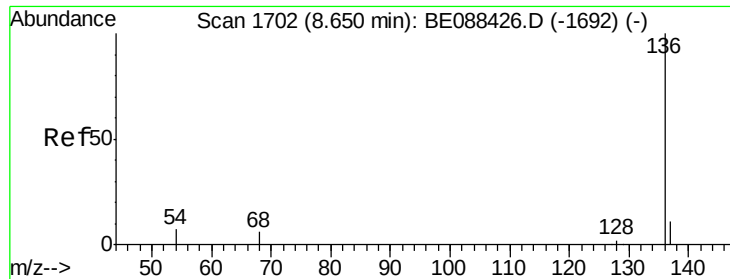


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

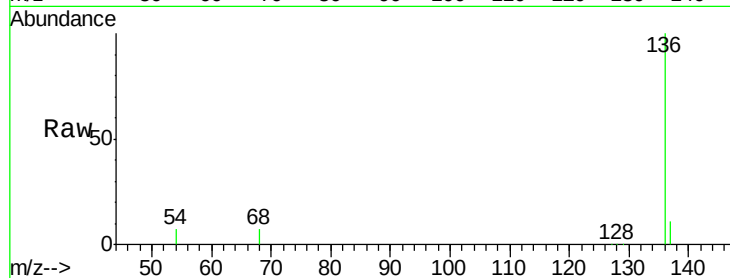
Tgt Ion:136 Resp: 175997

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

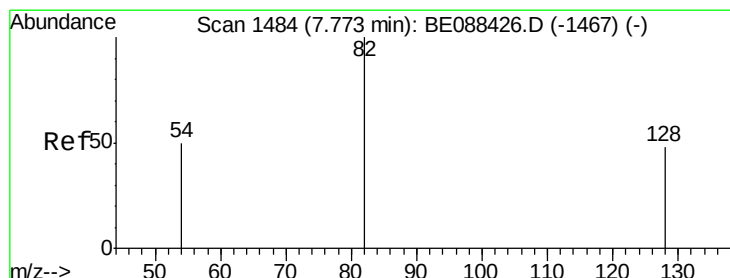
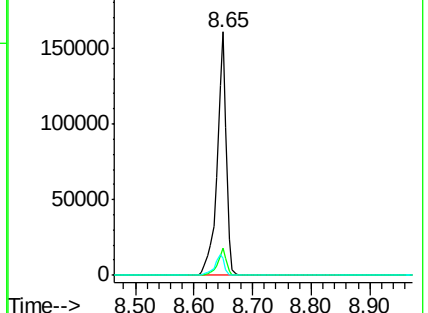
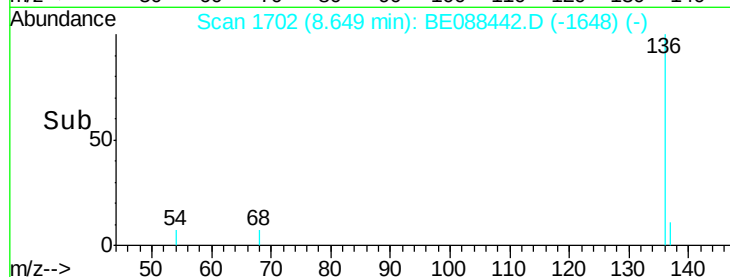
54 7.0 5.3 7.9



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: 50.13 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

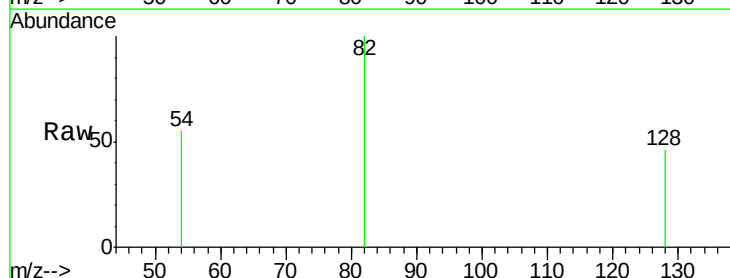
Tgt Ion: 82 Resp: 647080

Ion Ratio Lower Upper

82 100

128 46.0 38.4 57.6

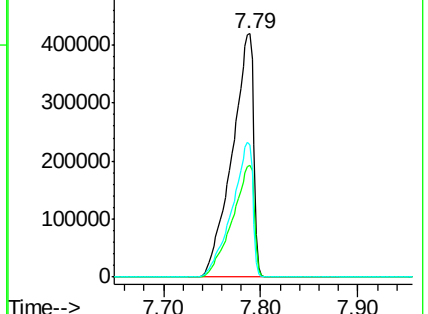
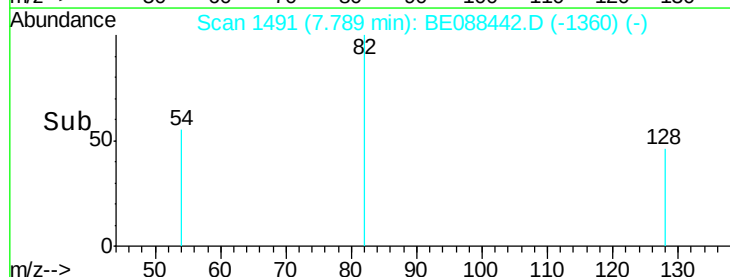
54 54.5 40.2 60.2

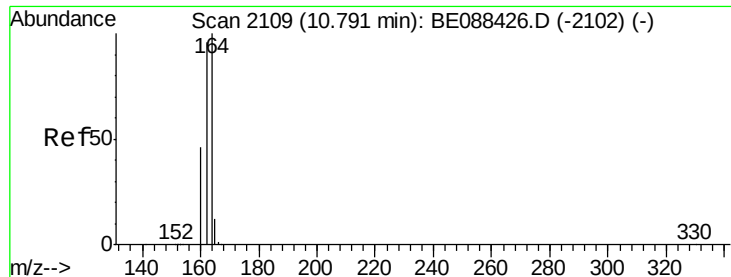


Abundance Ion 82.00 (81.70 to 82.70): BE0

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# 2109

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

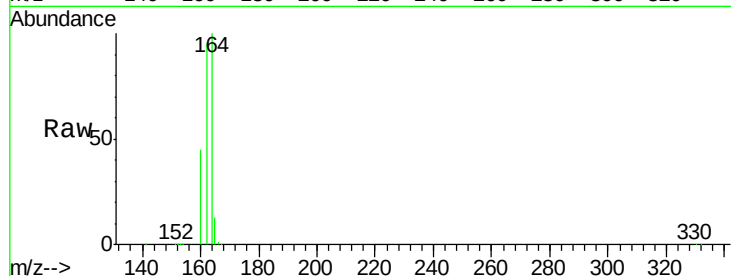
Tgt Ion:164 Resp: 72229

Ion Ratio Lower Upper

164 100

162 95.1 77.0 115.4

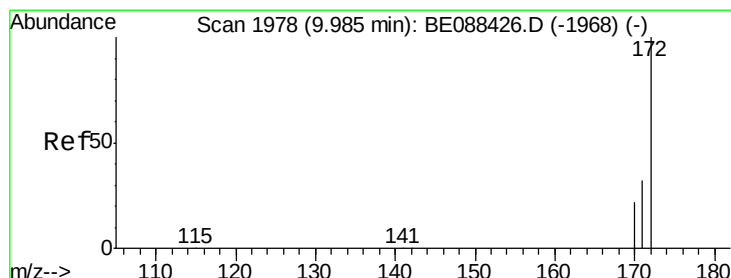
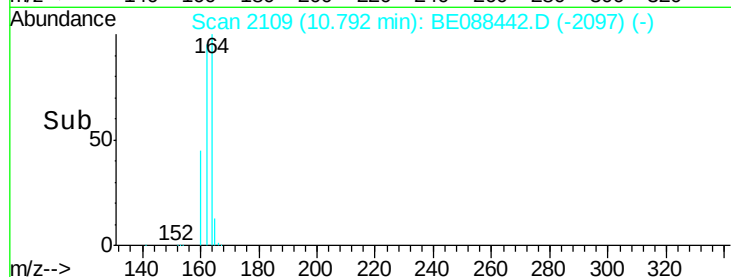
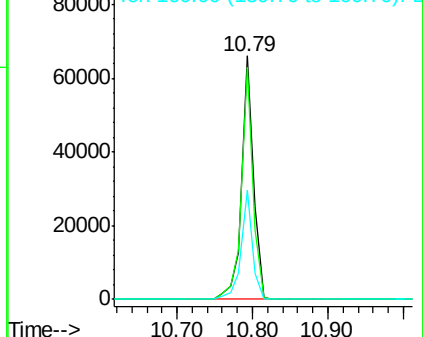
160 44.9 36.8 55.2



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: 33.74 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

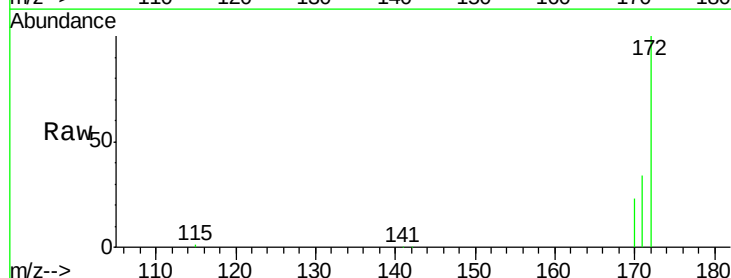
Tgt Ion:172 Resp: 686953

Ion Ratio Lower Upper

172 100

171 33.8 26.0 39.0

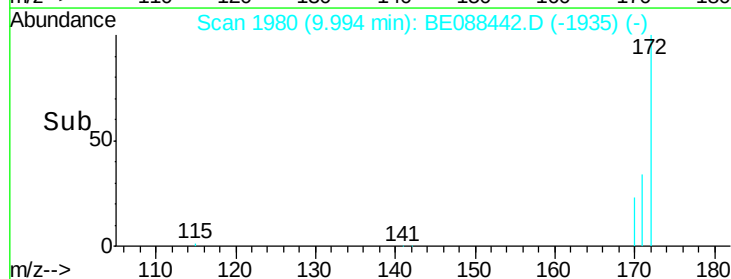
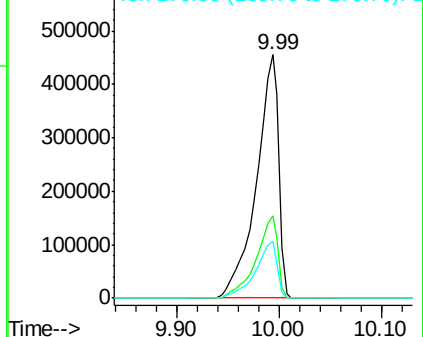
170 23.2 17.6 26.4

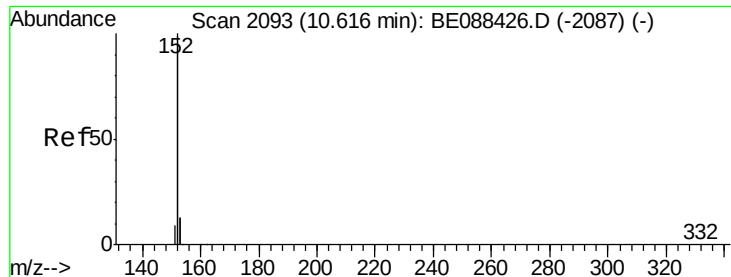


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 0.17 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

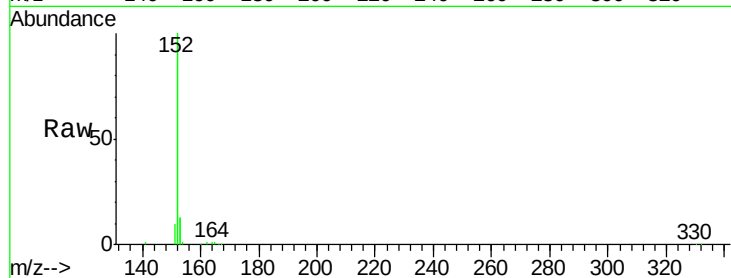
Tgt Ion:152 Resp: 19332

Ion Ratio Lower Upper

152 100

151 4.5 4.4 6.6

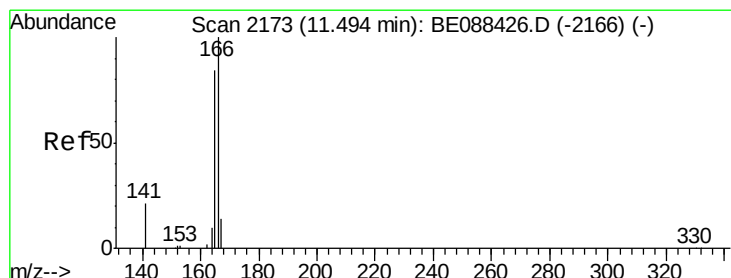
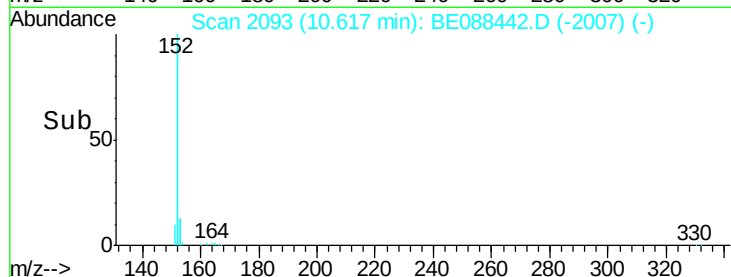
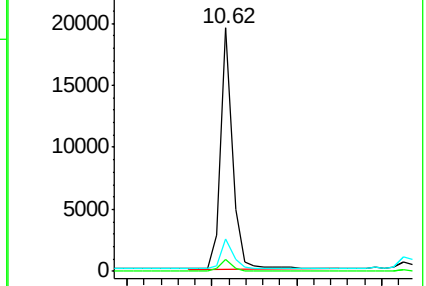
153 13.4 10.5 15.7



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: 0.03 ng

RT: 11.50 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

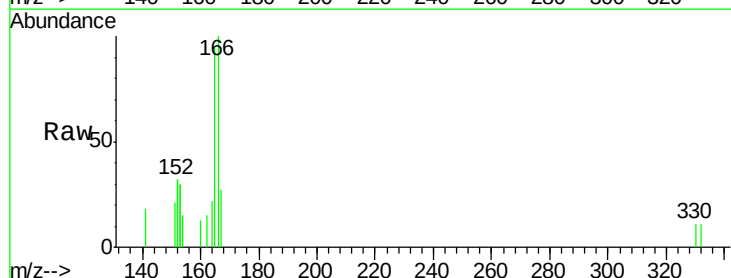
Tgt Ion:166 Resp: 593

Ion Ratio Lower Upper

166 100

165 99.7 71.3 106.9

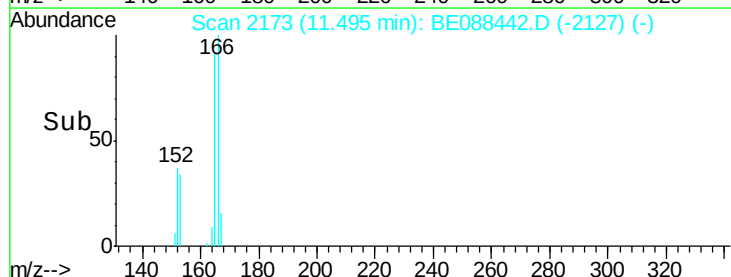
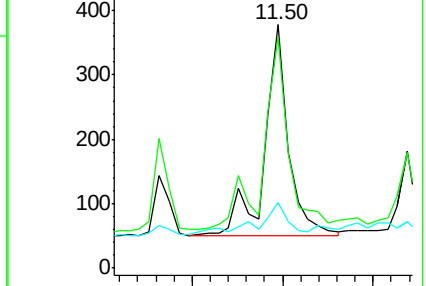
167 19.7 10.7 16.1#

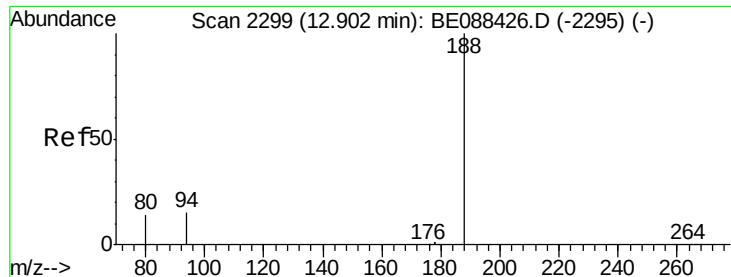


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

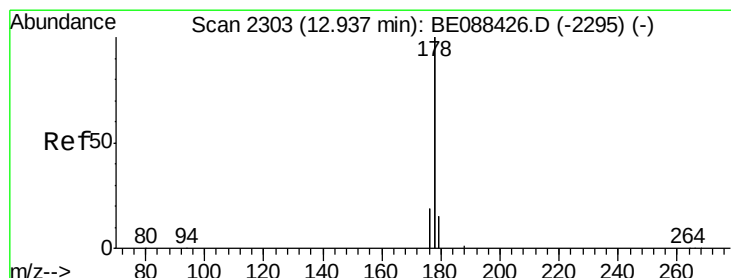
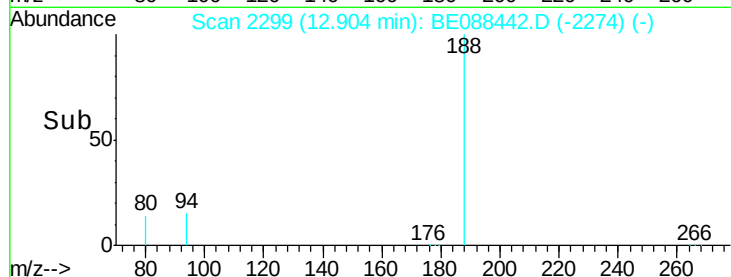
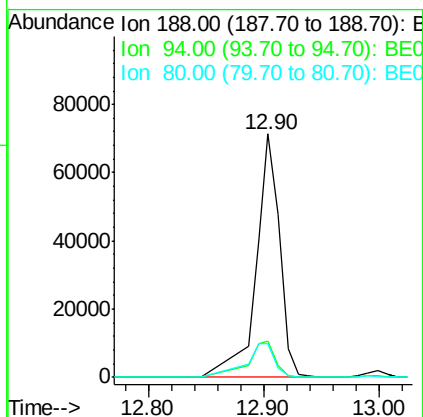
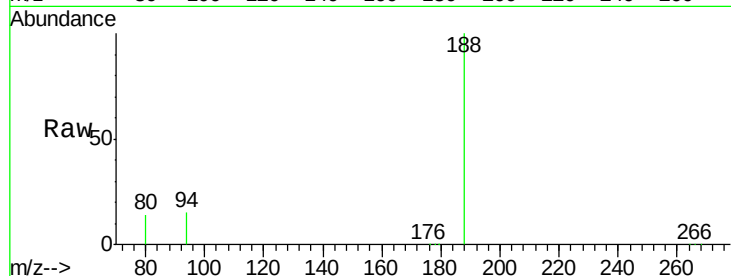




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

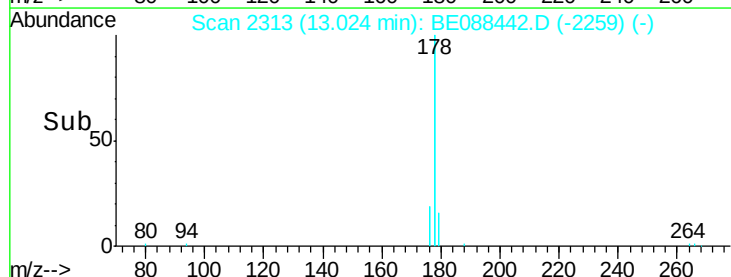
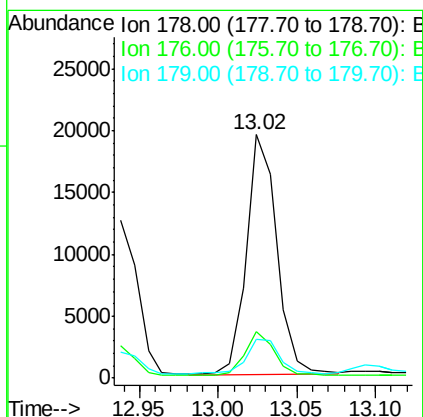
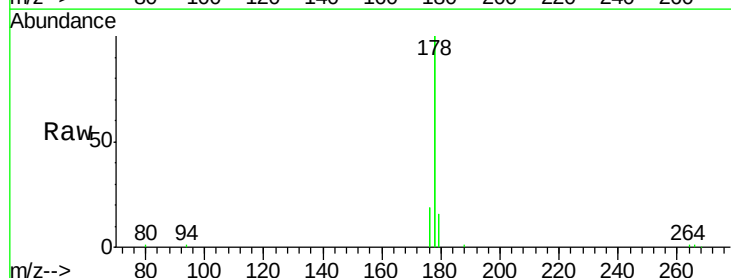
Instrument :
BNA_E
ClientSampleId :
YS19-SS36-1014

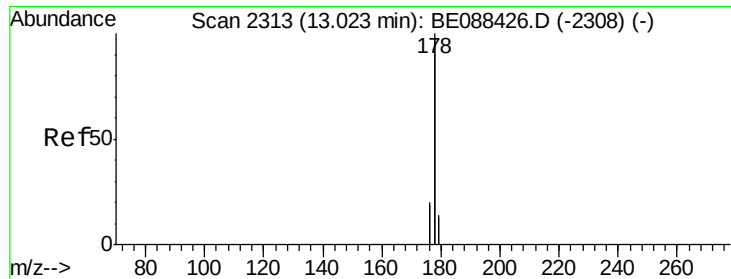
Tgt Ion:188 Resp: 125909
Ion Ratio Lower Upper
188 100
94 14.8 11.8 17.8
80 13.8 10.9 16.3



#13
Phenanthrene
Concen: 0.23 ng
RT: 13.02 min Scan# 2313
Delta R.T. 0.09 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Tgt Ion:178 Resp: 26322
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 18.8 12.8 19.2





#14

Anthracene

Concen: 0.28 ng

RT: 13.02 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

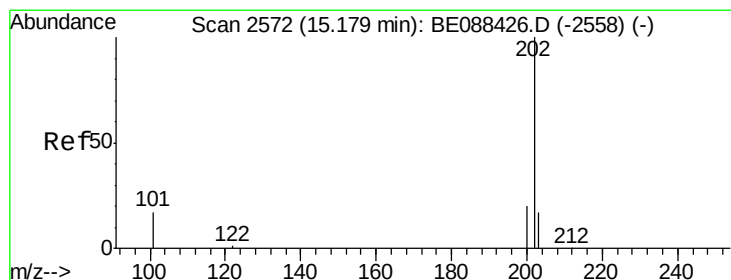
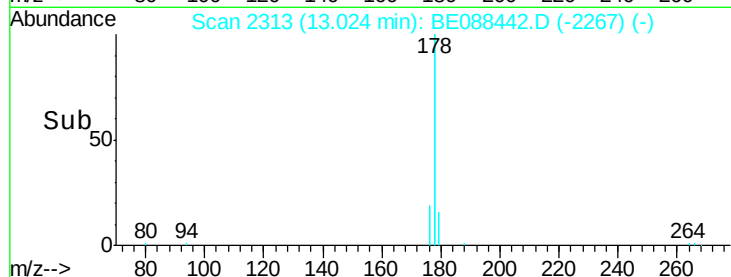
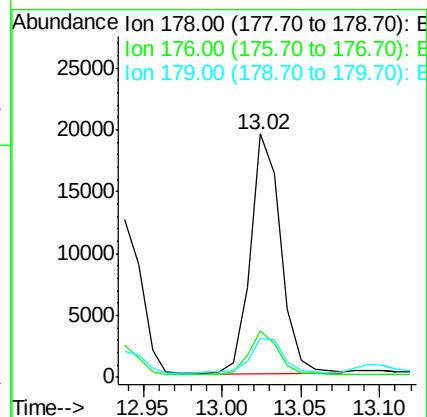
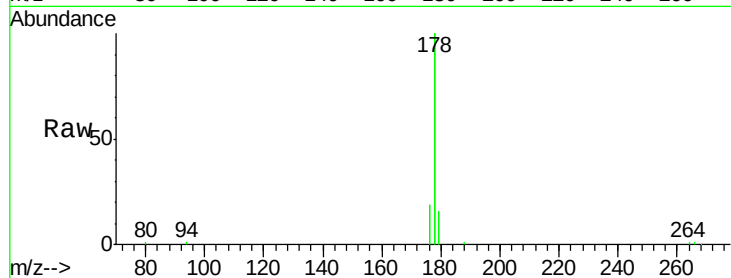
Tgt Ion:178 Resp: 26322

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.4

179 18.8 12.5 18.7#



#15

Fluoranthene

Concen: 1.73 ng

RT: 15.18 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

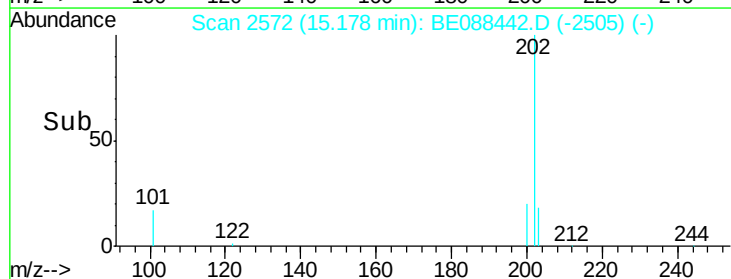
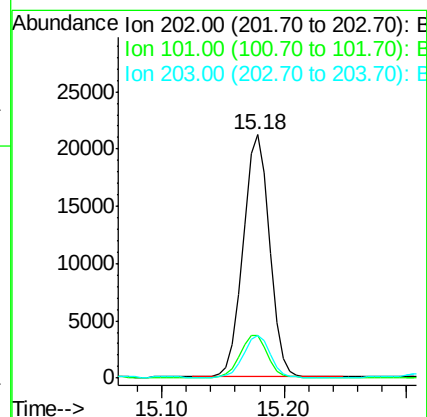
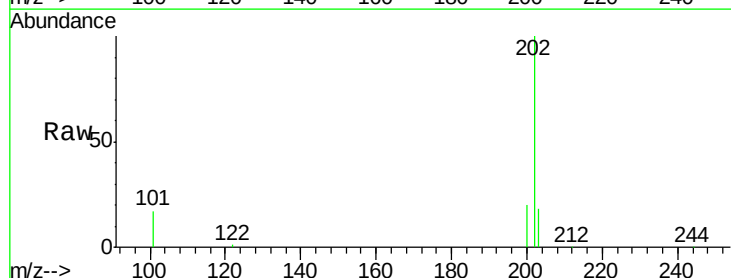
Tgt Ion:202 Resp: 32169

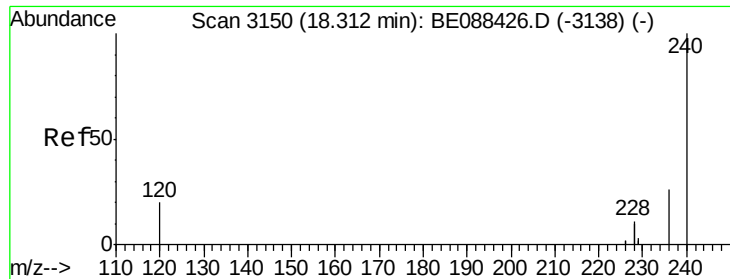
Ion Ratio Lower Upper

202 100

101 17.8 14.3 21.5

203 17.3 13.6 20.4





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.31 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

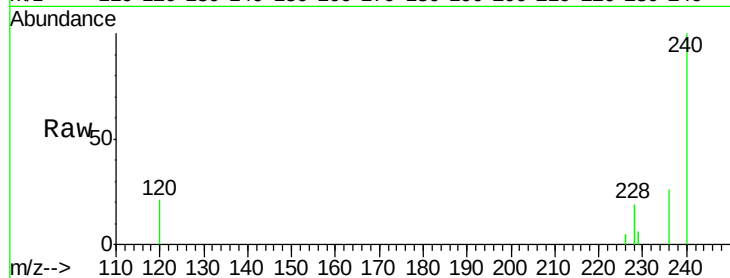
Tgt Ion:240 Resp: 71212

Ion Ratio Lower Upper

240 100

120 20.6 16.4 24.6

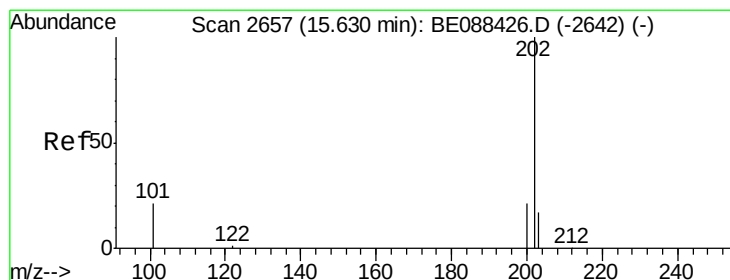
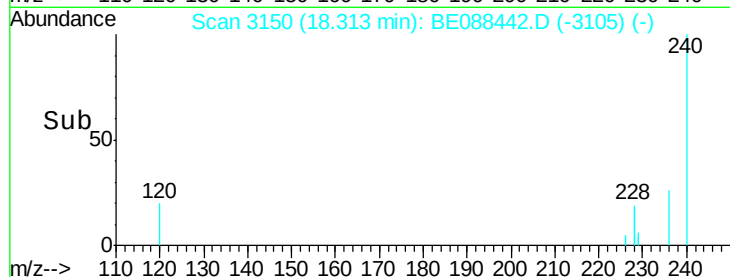
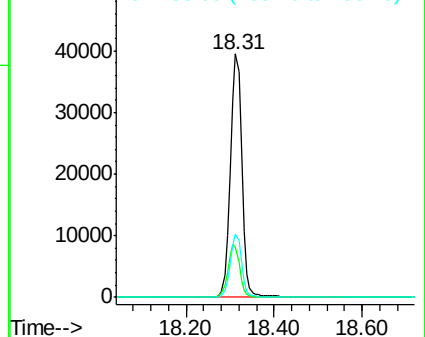
236 25.8 20.5 30.7



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: 1.67 ng

RT: 15.63 min Scan# 2658

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

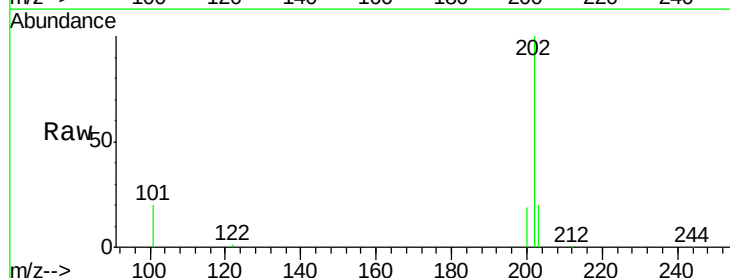
Tgt Ion:202 Resp: 38799

Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

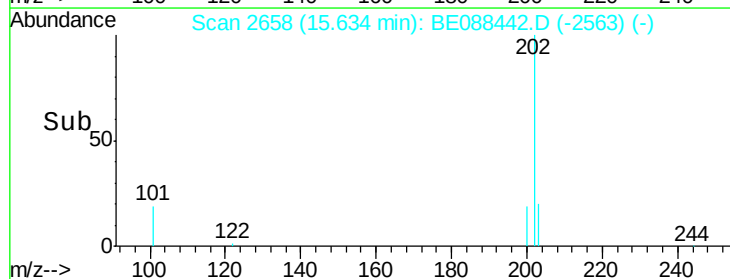
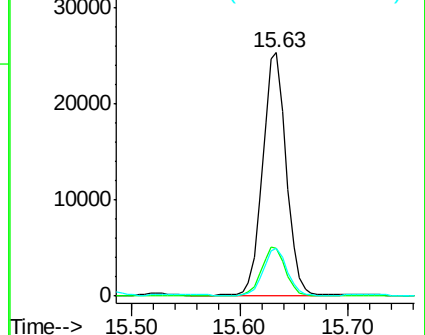
203 19.3 13.8 20.8

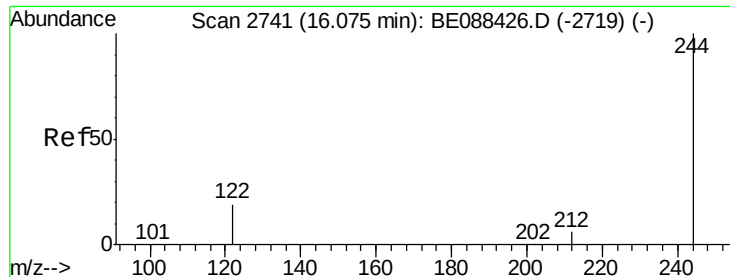


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 29.98 ng

RT: 16.10 min Scan# 2745

Delta R.T. 0.02 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

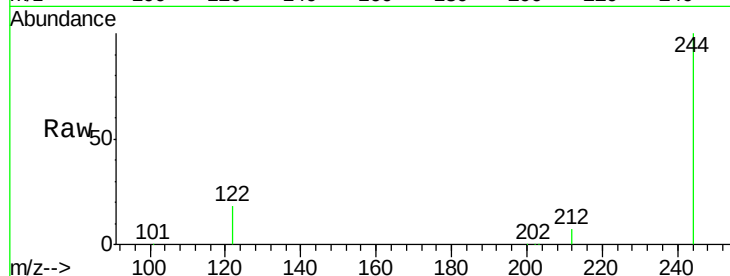
Tgt Ion:244 Resp: 392161

Ion Ratio Lower Upper

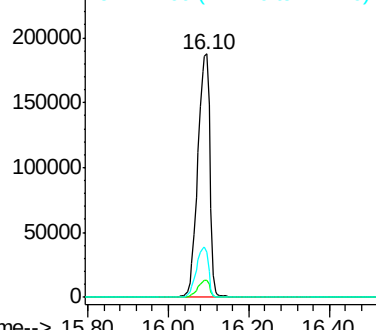
244 100

212 7.0 5.5 8.3

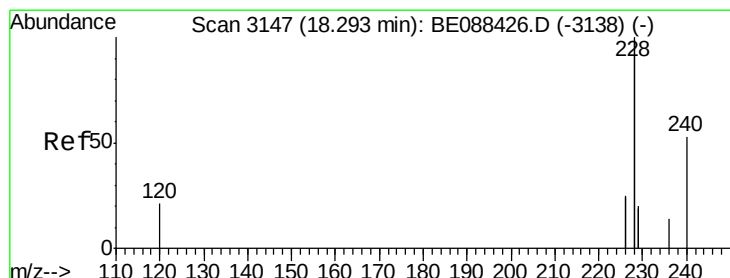
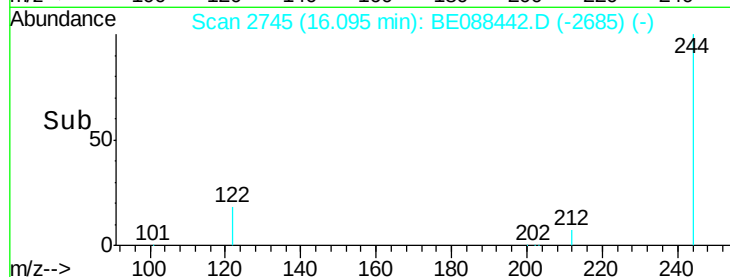
122 18.4 15.6 23.4



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--> 15.80 16.00 16.20 16.40



#19

Benzo(a)anthracene

Concen: 1.67 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

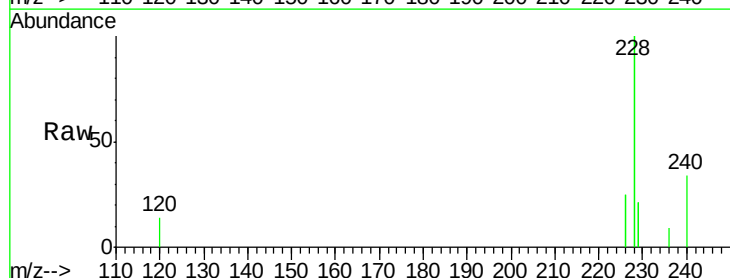
Tgt Ion:228 Resp: 112010

Ion Ratio Lower Upper

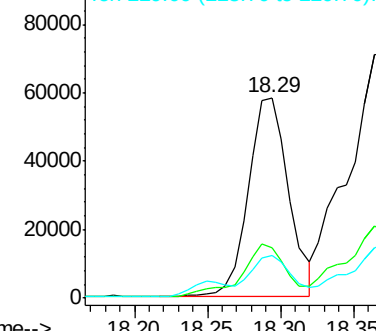
228 100

226 25.0 19.8 29.6

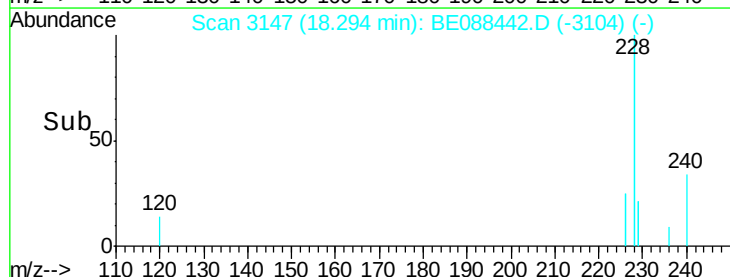
229 21.3 16.0 24.0

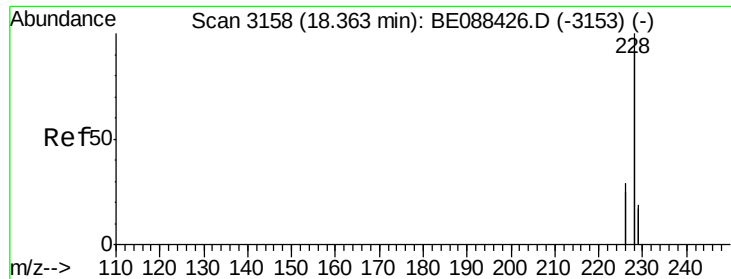


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 18.20 18.25 18.30 18.35





#20

Chrysene

Concen: 2.58 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

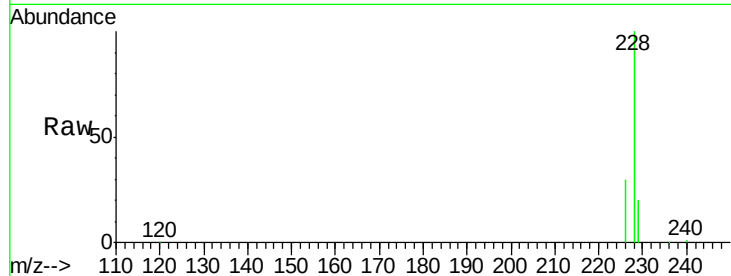
Tgt Ion:228 Resp: 169956

Ion Ratio Lower Upper

228 100

226 29.8 23.6 35.4

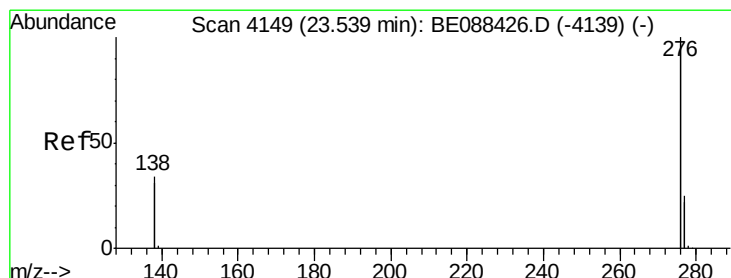
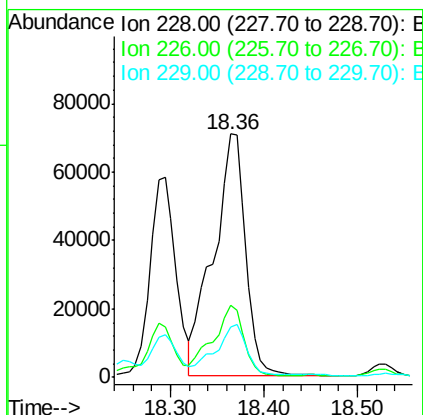
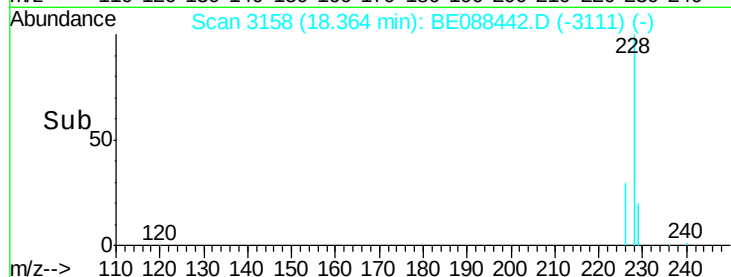
229 20.5 15.4 23.2



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: 3.01 ng

RT: 23.55 min Scan# 4151

Delta R.T. 0.01 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

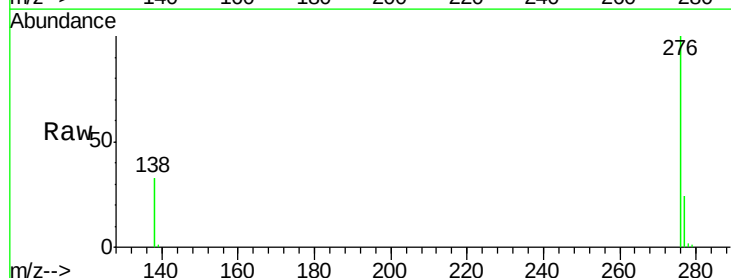
Tgt Ion:276 Resp: 184610

Ion Ratio Lower Upper

276 100

138 29.6 20.2 30.2

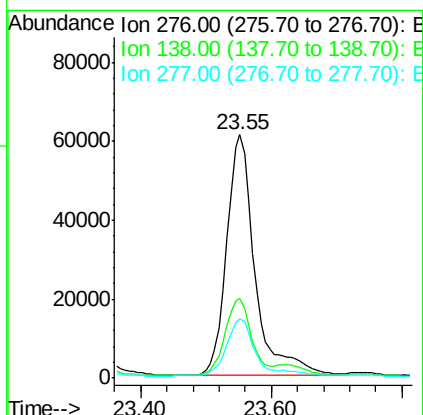
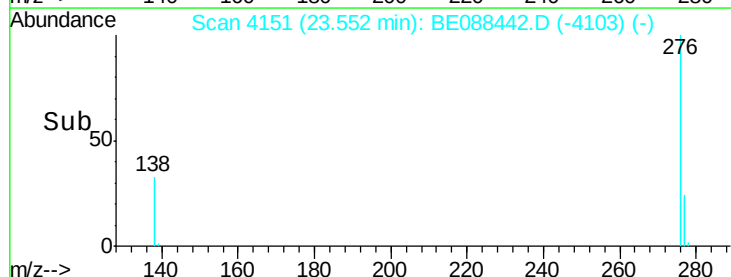
277 24.3 14.8 22.2#

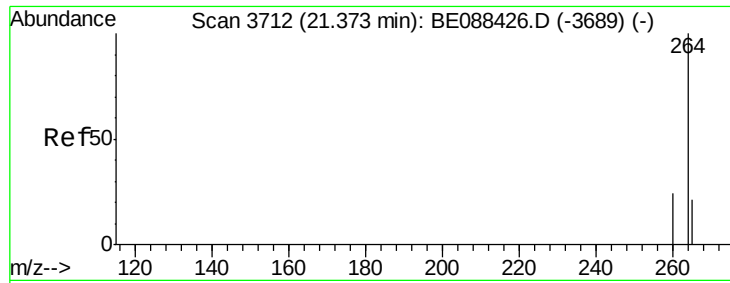


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

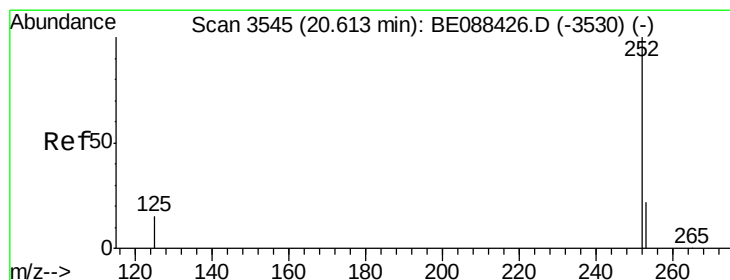
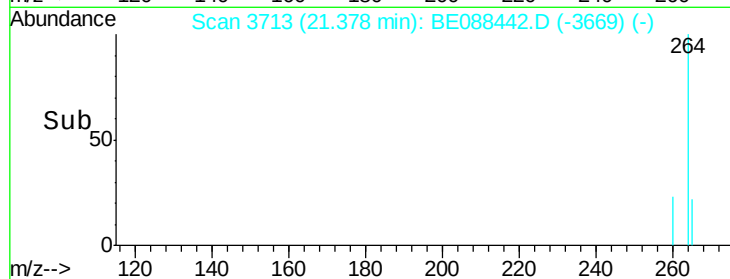
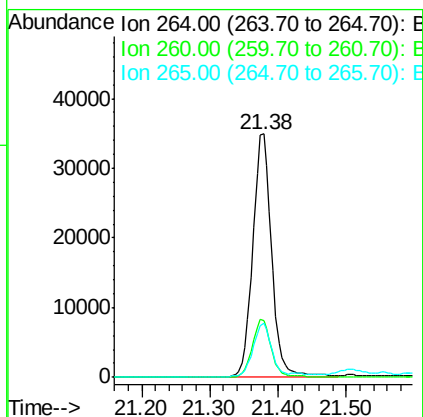
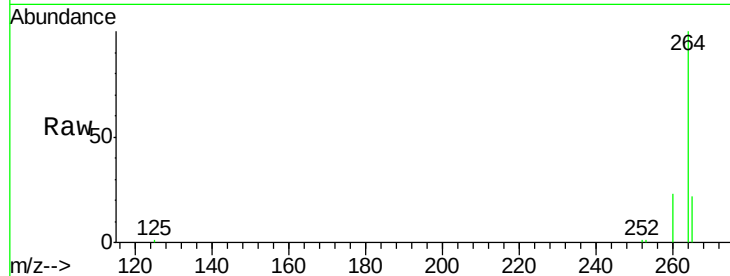




#22
Perylene-d12
 Concen: 5.00 ng
 RT: 21.38 min Scan# 3713
 Delta R.T. 0.01 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

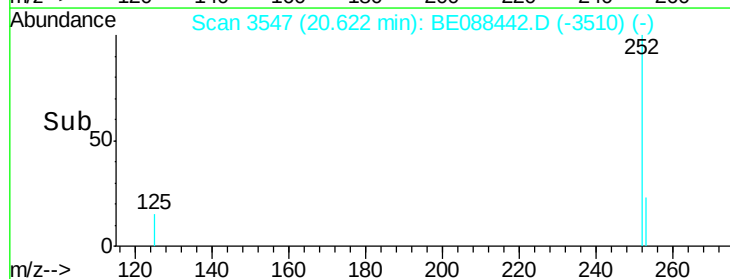
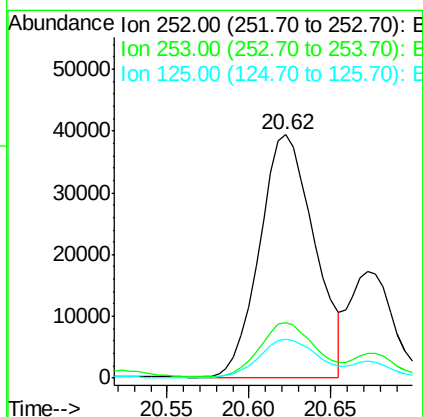
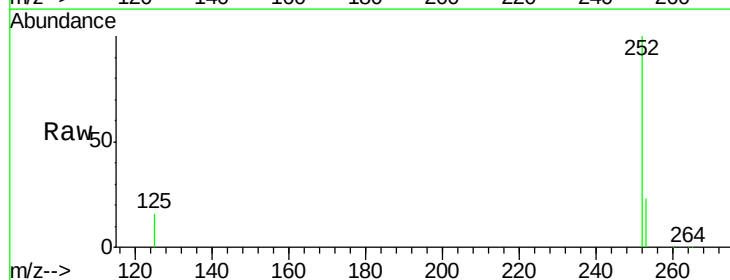
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS36-1014

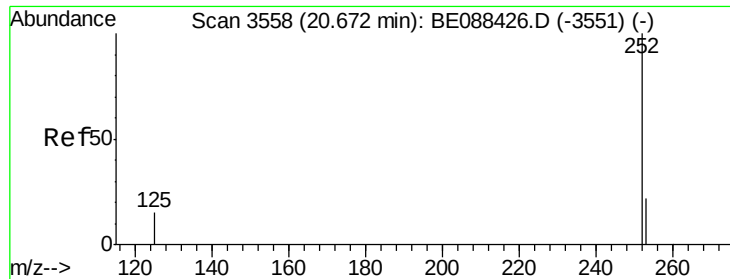
Tgt Ion: 264 Resp: 66973
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.9 28.3
 265 22.2 17.2 25.8



#23
Benzo(b)fluoranthene
 Concen: 6.21 ng
 RT: 20.62 min Scan# 3547
 Delta R.T. 0.01 min
 Lab File: BE088442.D
 Acq: 1 Nov 2014 3:03

Tgt Ion: 252 Resp: 91229
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.8
 125 15.8 12.3 18.5





#24

Benzo(k)fluoranthene

Concen: 1.84 ng

RT: 20.67 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

Instrument :

BNA_E

ClientSampleId :

YS19-SS36-1014

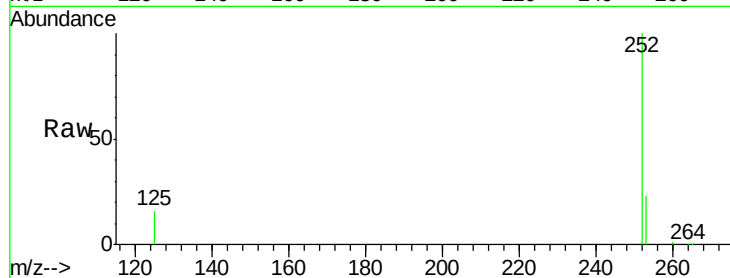
Tgt Ion:252 Resp: 29791

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

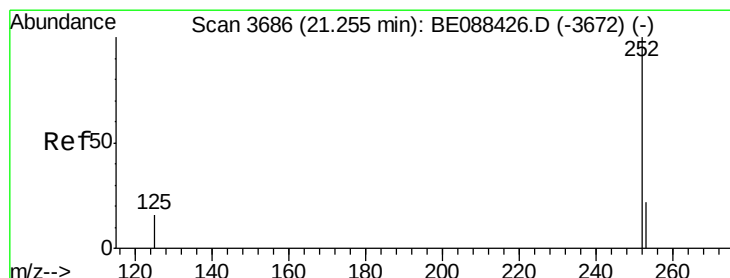
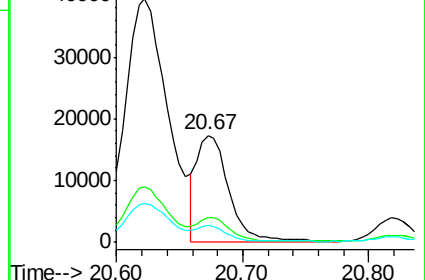
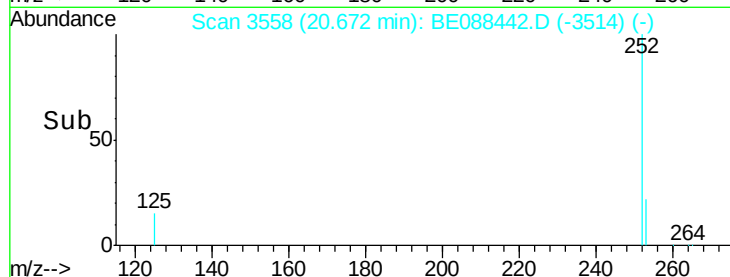
125 15.8 12.2 18.4



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: 3.24 ng

RT: 21.26 min Scan# 3687

Delta R.T. 0.01 min

Lab File: BE088442.D

Acq: 1 Nov 2014 3:03

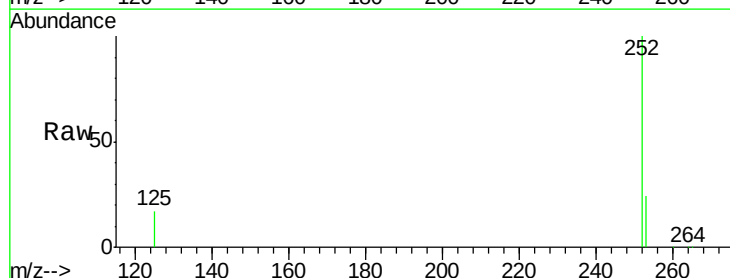
Tgt Ion:252 Resp: 45693

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.4

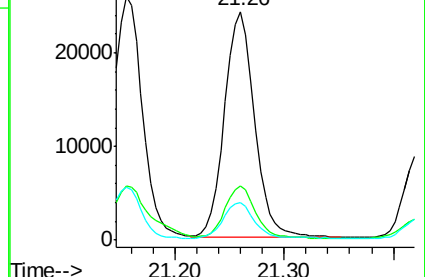
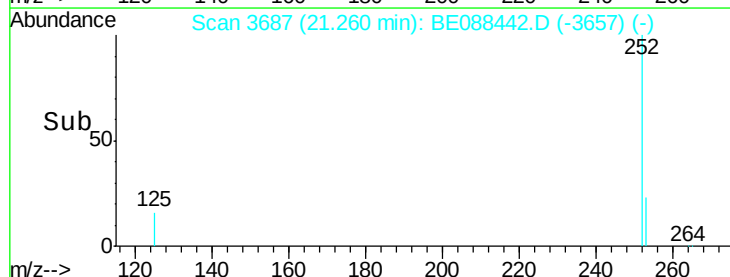
125 16.6 13.7 20.5

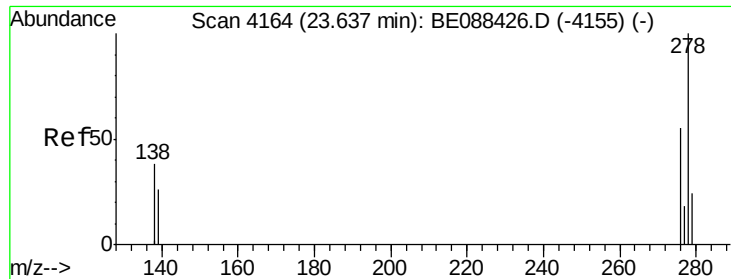


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



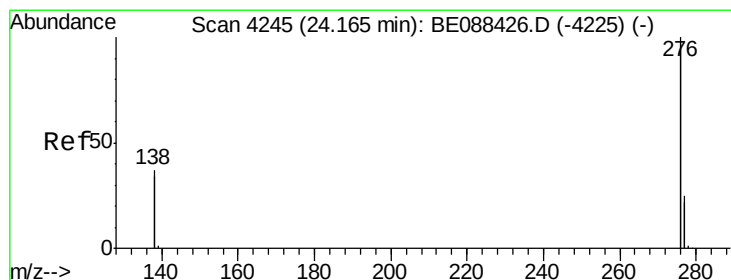
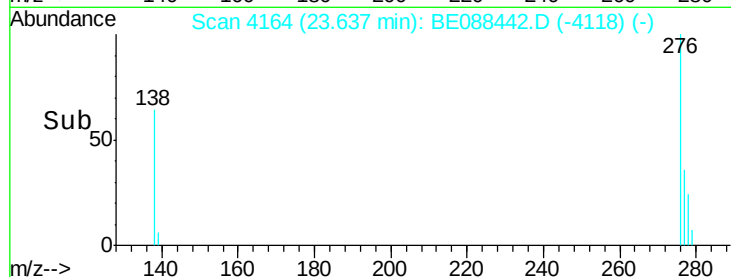
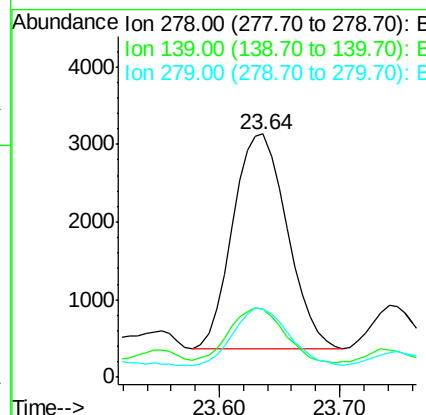
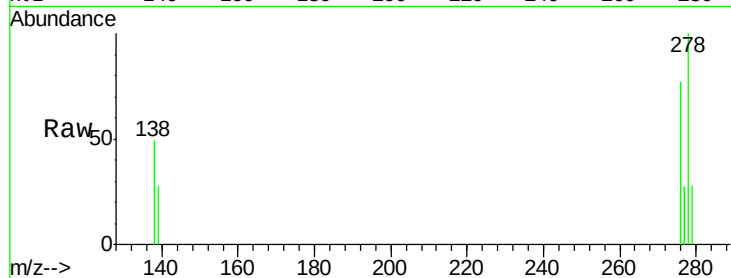


#26
Dibenzo(a,h)anthracene
Concen: 0.66 ng
RT: 23.64 min Scan# 4164
Delta R.T. -0.00 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Instrument :
BNA_E
ClientSampleId :
YS19-SS36-1014

Tgt Ion: 278 Resp: 8666

Ion	Ratio	Lower	Upper
278	100		
139	28.0	22.1	33.1
279	28.1	19.7	29.5



#27
Benzo(g,h,i)perylene
Concen: 3.33 ng
RT: 24.18 min Scan# 4247
Delta R.T. 0.01 min
Lab File: BE088442.D
Acq: 1 Nov 2014 3:03

Tgt Ion: 276 Resp: 200094

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.6
138	34.5	29.3	43.9

