

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088213.D
 Acq On : 24 Oct 2014 15:27
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 27 12:42:37 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 12:38:23 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	61708	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	237895	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	108788	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	193936	5.00	ng	0.00
16) Chrysene-d12	18.35	240	113340	5.00	ng	0.00
22) Perylene-d12	21.40	264	103914	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	87205	5.97	ng	0.00
8) 2-Fluorobiphenyl	10.02	172	148033	4.88	ng	0.00
18) Terphenyl-d14	16.11	244	101790	5.48	ng	0.00

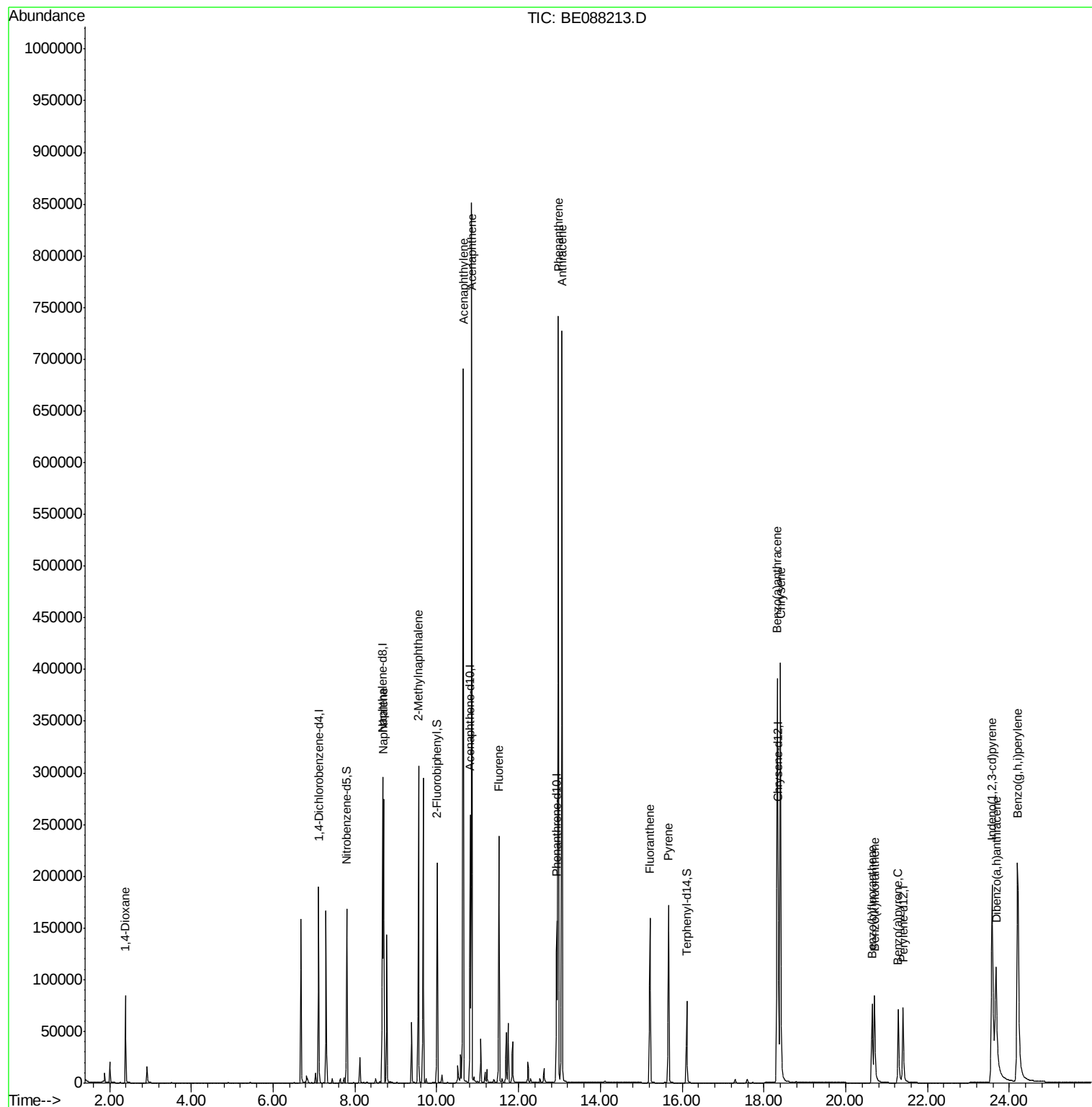
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.39	88	43720	5.05	ng	99
5) Naphthalene	8.70	128	236781	4.89	ng	98
6) 2-Methylnaphthalene	9.55	142	147810	5.07	ng	96
9) Acenaphthylene	10.65	152	822782	5.06	ng	100
10) Acenaphthene	10.86	154	118558	4.61	ng	98
11) Fluorene	11.52	166	129887	4.95	ng	100
13) Phenanthrene	12.97	178	884043	5.52	ng	98
14) Anthracene	13.06	178	717609	5.20	ng	100
15) Fluoranthene	15.21	202	157051	5.54	ng	100
17) Pyrene	15.67	202	166775	5.36	ng	100
19) Benzo(a)anthracene	18.32	228	491347	5.51	ng	99
20) Chrysene	18.40	228	498522	4.92	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	361331	4.04	ng	# 72
23) Benzo(b)fluoranthene	20.64	252	107283	6.32	ng	99
24) Benzo(k)fluoranthene	20.70	252	136662	5.09	ng	99
25) Benzo(a)pyrene	21.28	252	107076	6.38	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	99738	6.28	ng	97
27) Benzo(g,h,i)perylene	24.21	276	469526	5.63	ng	98

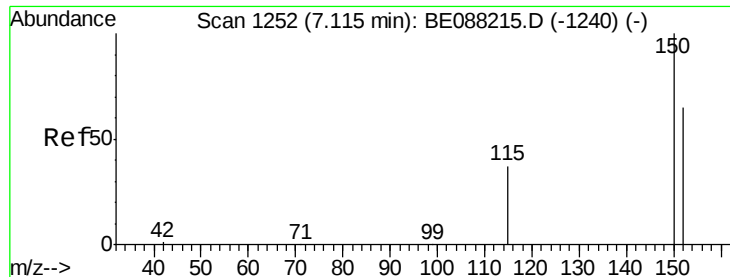
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088213.D
Acq On : 24 Oct 2014 15:27
Operator : TP/JJ
Sample : SSTDIC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Quant Time: Oct 27 12:42:37 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 27 12:38:23 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

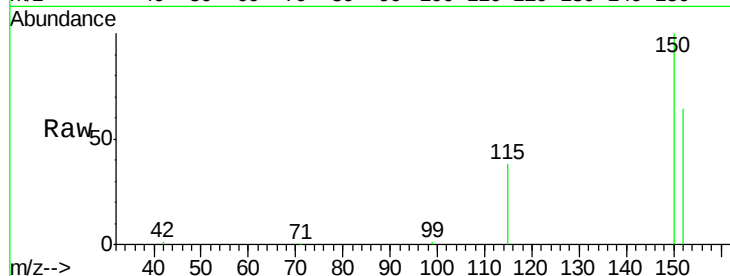
Tgt Ion:152 Resp: 61708

Ion Ratio Lower Upper

152 100

150 156.2 123.2 184.8

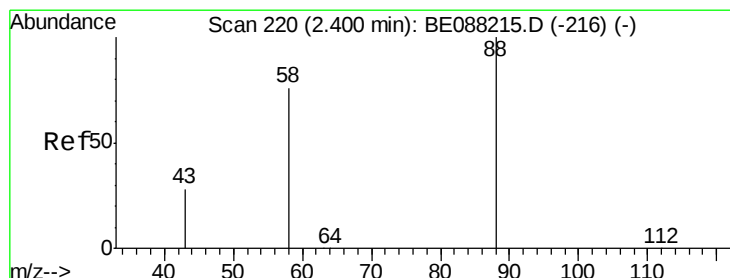
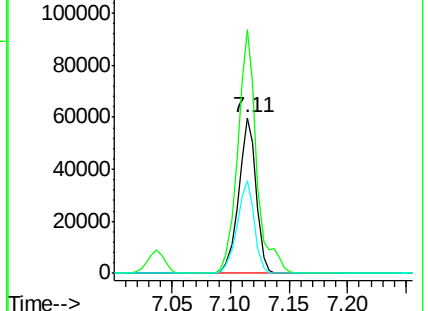
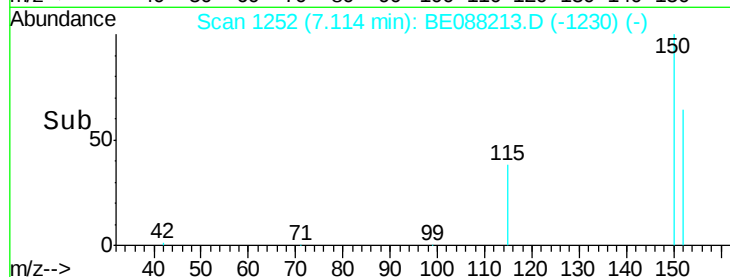
115 59.1 45.3 67.9



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: 5.05 ng

RT: 2.39 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

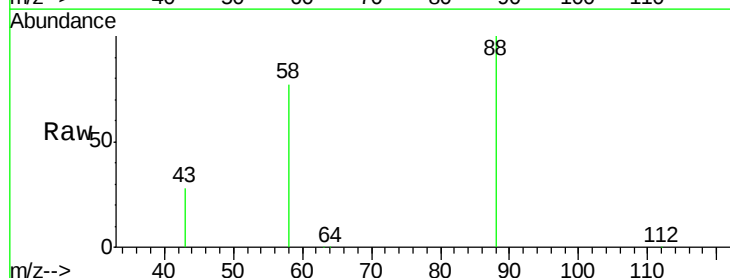
Tgt Ion: 88 Resp: 43720

Ion Ratio Lower Upper

88 100

58 74.8 59.0 88.4

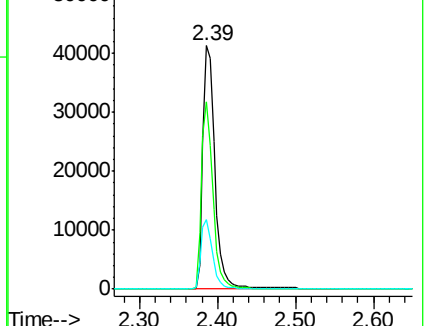
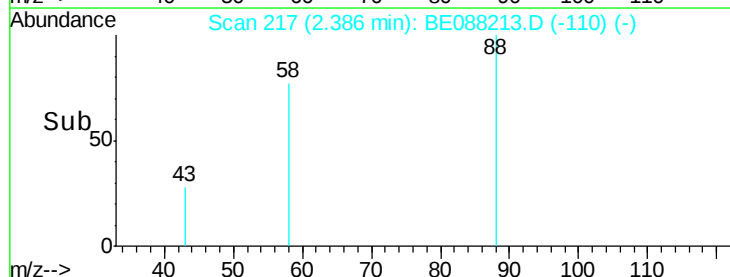
43 27.9 21.9 32.9

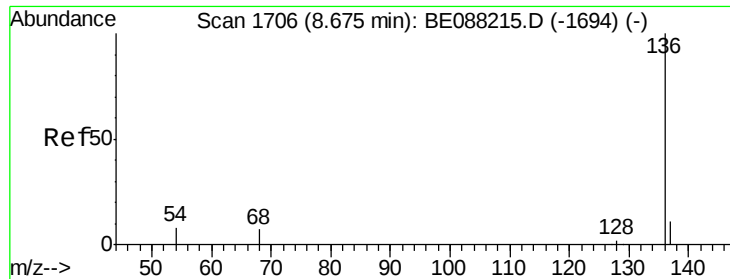


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

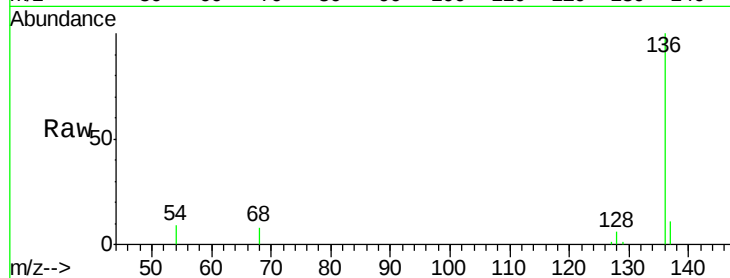




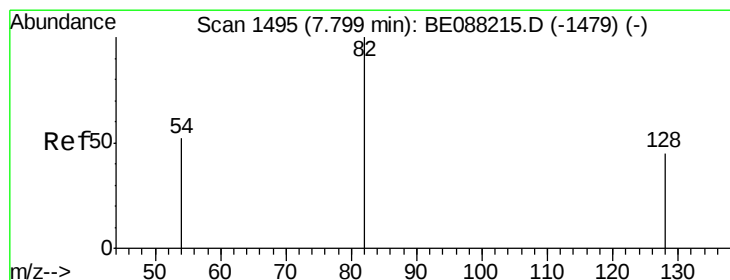
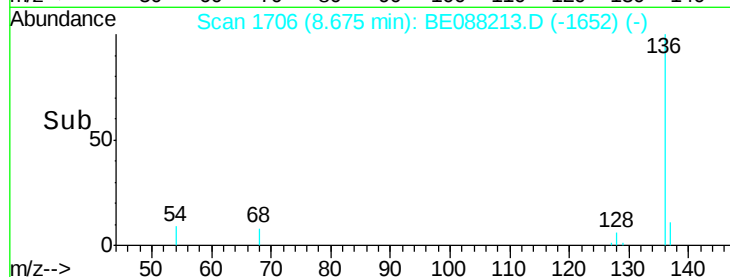
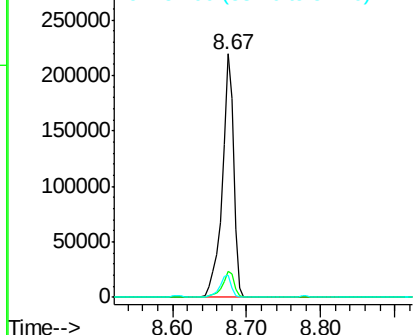
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion: 136 Resp: 237895
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.9 6.1 9.1

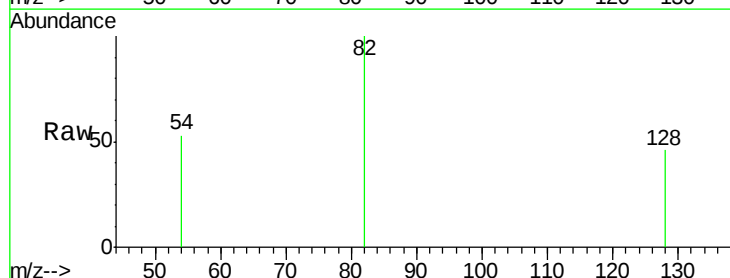


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): E

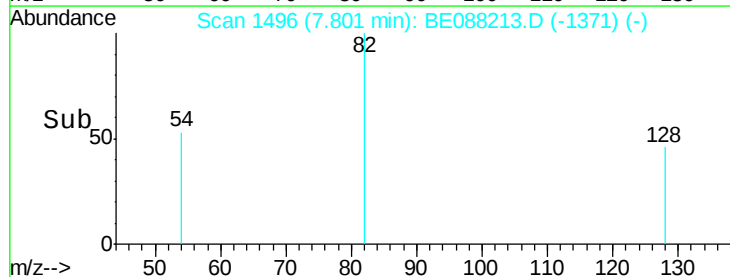
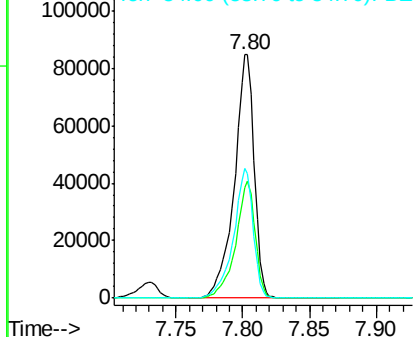


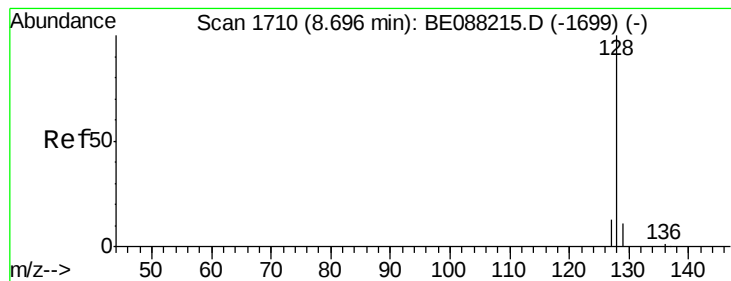
#4
Nitrobenzene-d5
Concen: 5.97 ng
RT: 7.80 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Tgt Ion: 82 Resp: 87205
Ion Ratio Lower Upper
82 100
128 45.5 36.2 54.2
54 53.3 41.8 62.8



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





#5

Naphthalene

Concen: 4.89 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

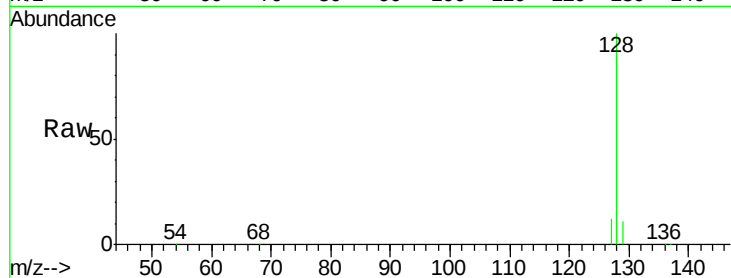
Tgt Ion:128 Resp: 236781

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

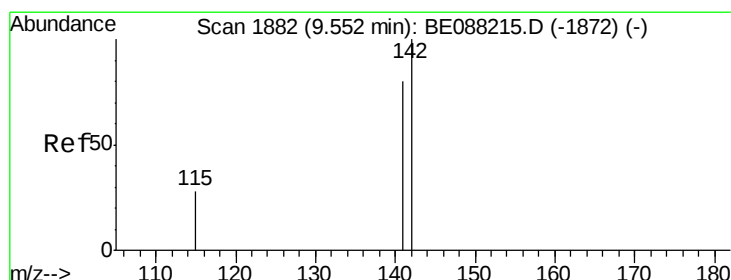
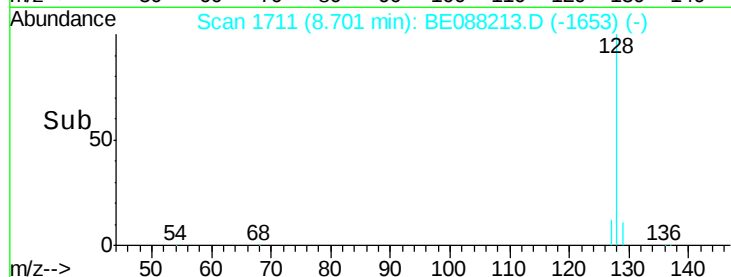
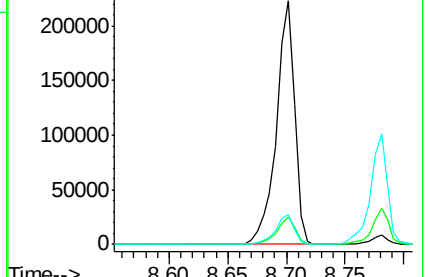
127 12.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#6

2-Methylnaphthalene

Concen: 5.07 ng

RT: 9.55 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

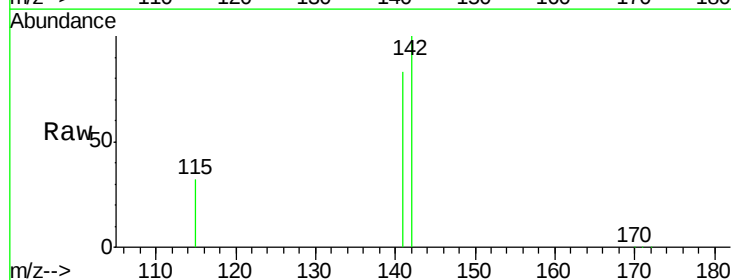
Tgt Ion:142 Resp: 147810

Ion Ratio Lower Upper

142 100

141 82.7 63.7 95.5

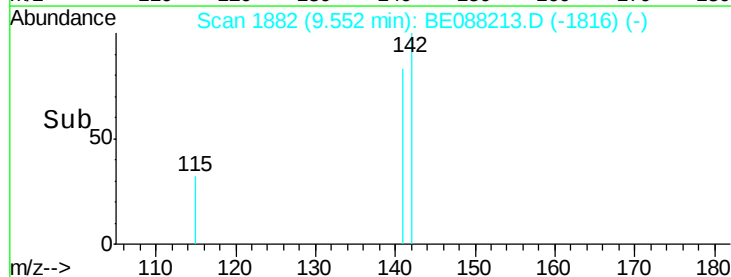
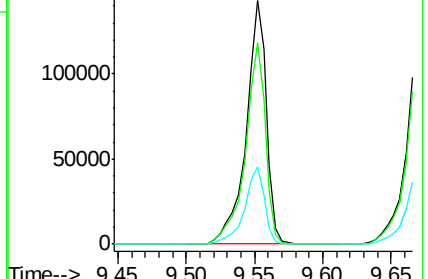
115 31.7 22.6 34.0

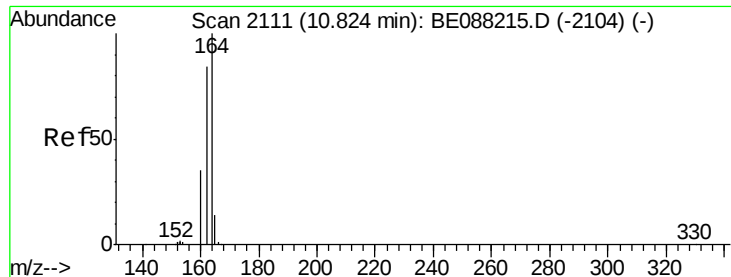


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.82 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

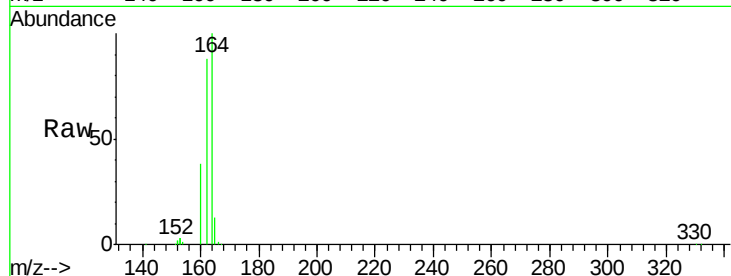
Tgt Ion:164 Resp: 108788

Ion Ratio Lower Upper

164 100

162 87.7 67.4 101.0

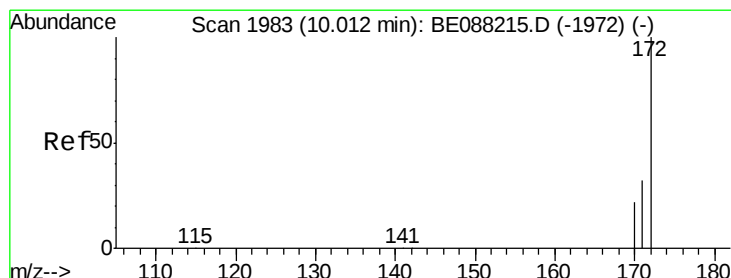
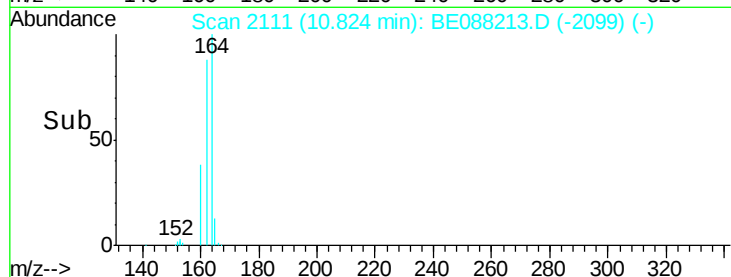
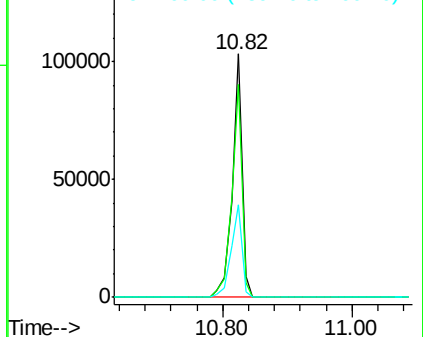
160 38.1 27.7 41.5



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: 4.88 ng

RT: 10.02 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

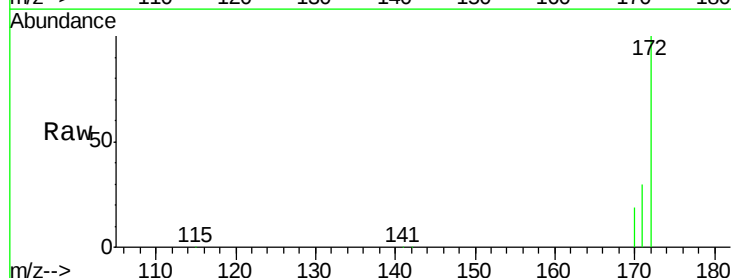
Tgt Ion:172 Resp: 148033

Ion Ratio Lower Upper

172 100

171 30.1 25.8 38.6

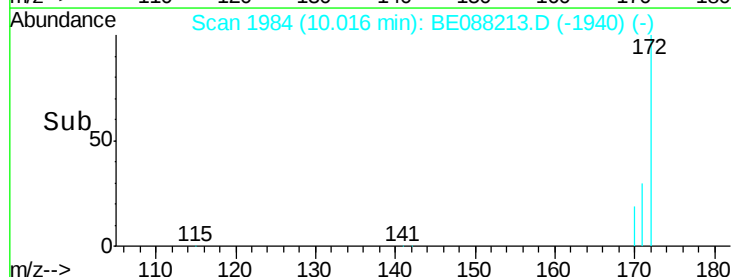
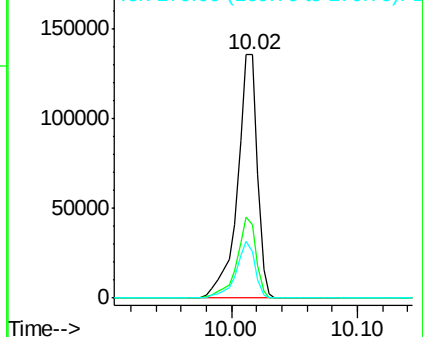
170 19.3 17.4 26.0

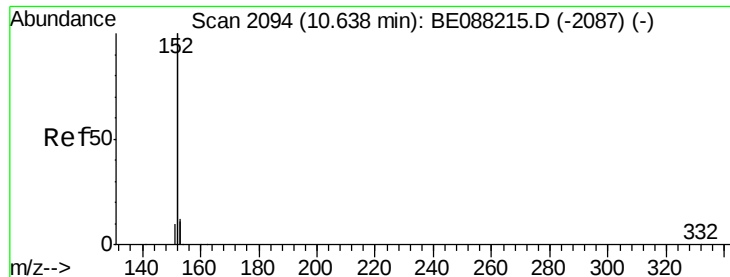


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 5.06 ng

RT: 10.65 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

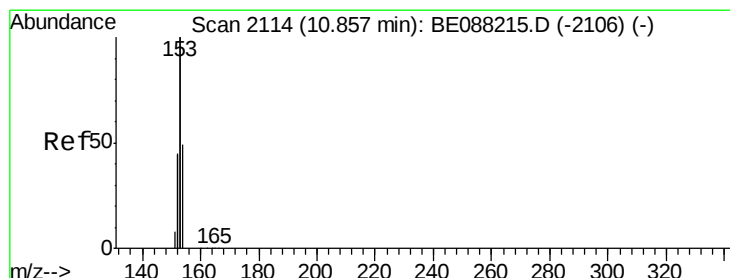
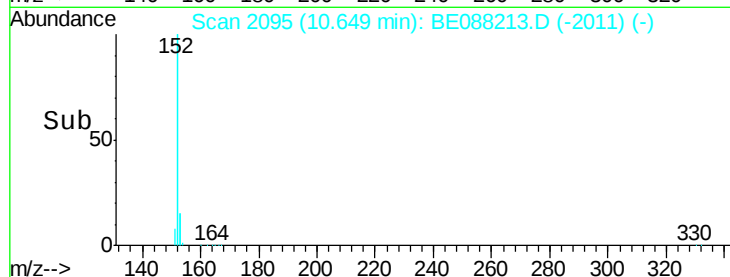
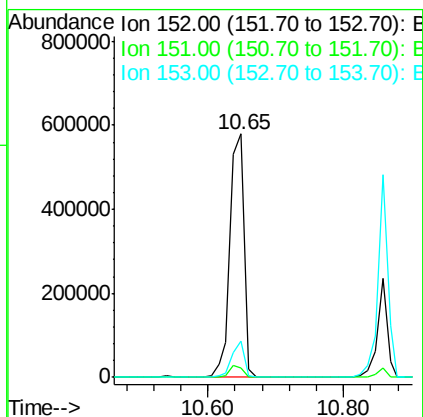
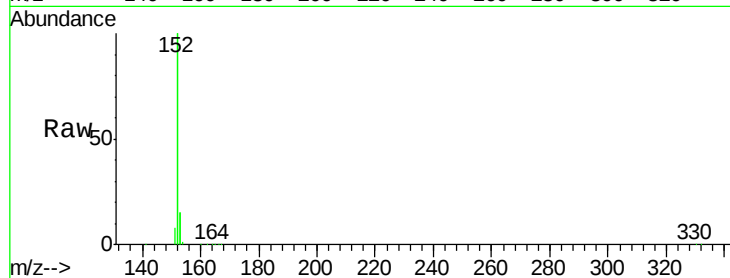
Tgt Ion:152 Resp: 822782

Ion Ratio Lower Upper

152 100

151 4.6 3.7 5.5

153 13.1 10.3 15.5



#10

Acenaphthene

Concen: 4.61 ng

RT: 10.86 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

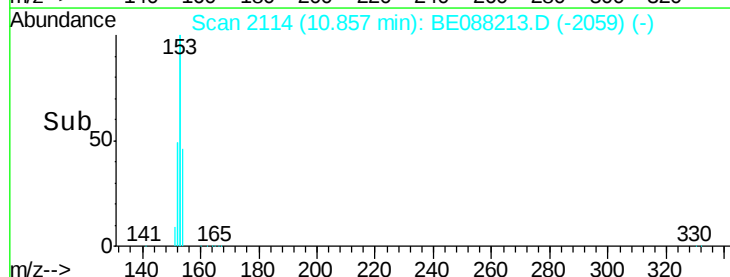
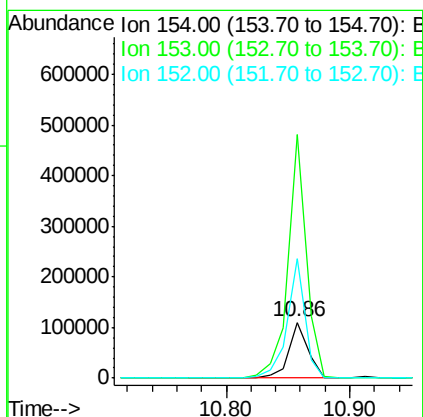
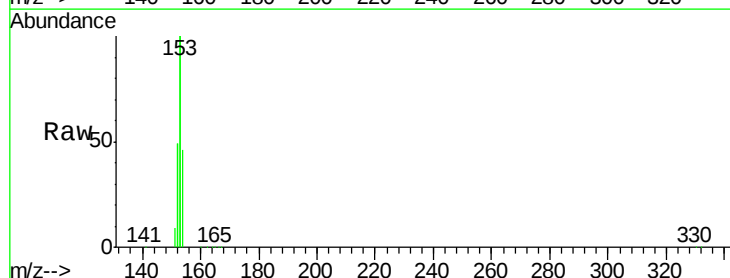
Tgt Ion:154 Resp: 118558

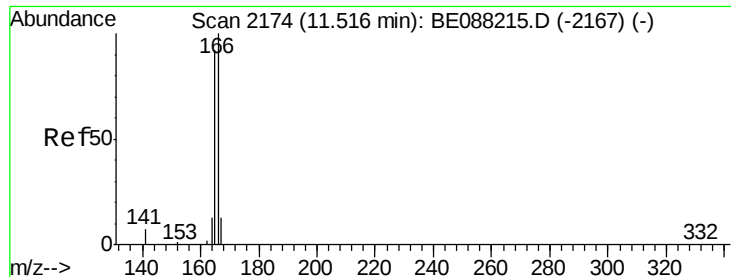
Ion Ratio Lower Upper

154 100

153 412.1 326.0 489.0

152 198.2 155.6 233.4





#11

Fluorene

Concen: 4.95 ng

RT: 11.52 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDICC005

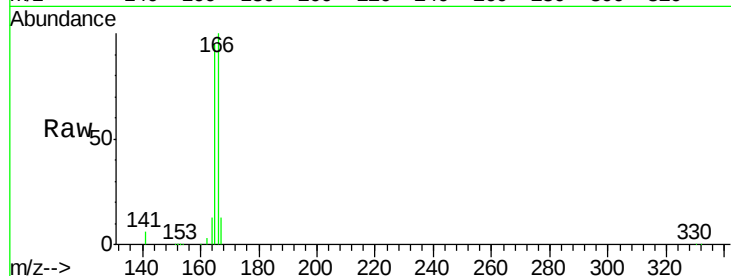
Tgt Ion:166 Resp: 129887

Ion Ratio Lower Upper

166 100

165 89.5 71.8 107.6

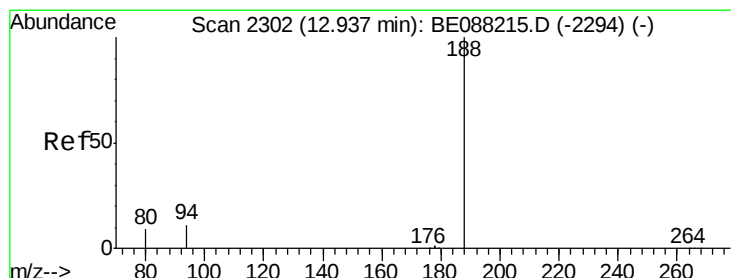
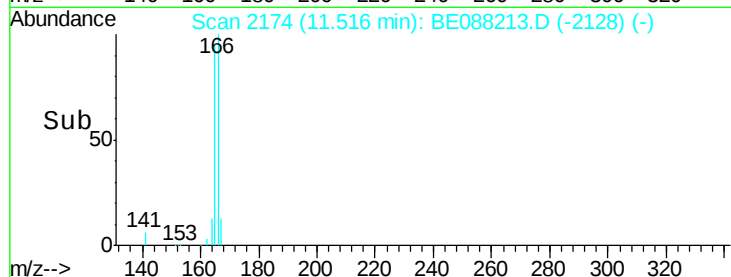
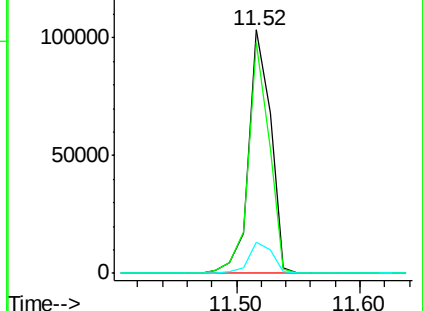
167 13.6 10.7 16.1



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: 12.94 min Scan# 2302

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

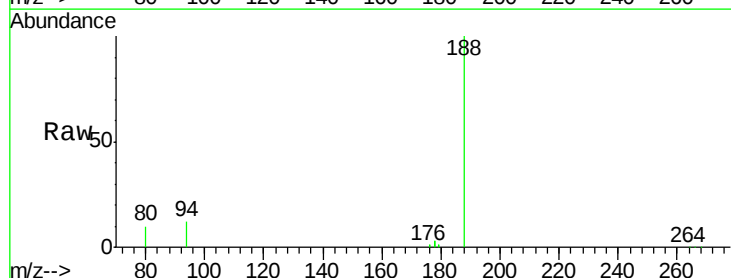
Tgt Ion:188 Resp: 193936

Ion Ratio Lower Upper

188 100

94 11.8 8.5 12.7

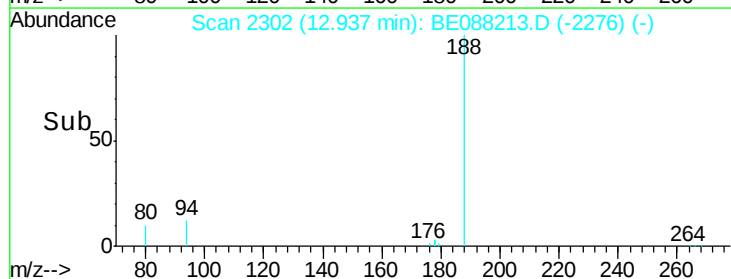
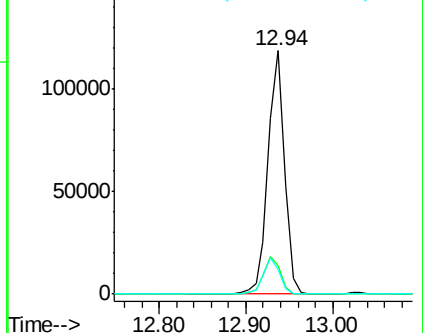
80 10.4 7.4 11.0

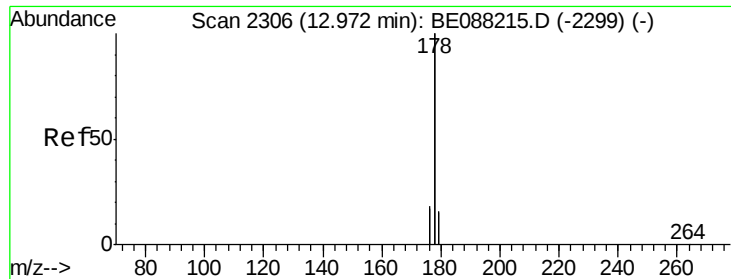


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 5.52 ng

RT: 12.97 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

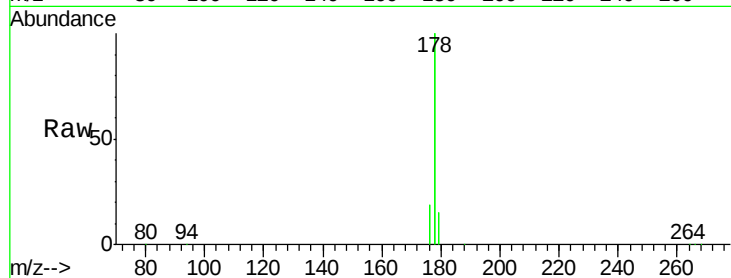
Tgt Ion:178 Resp: 884043

Ion Ratio Lower Upper

178 100

176 18.8 14.0 21.0

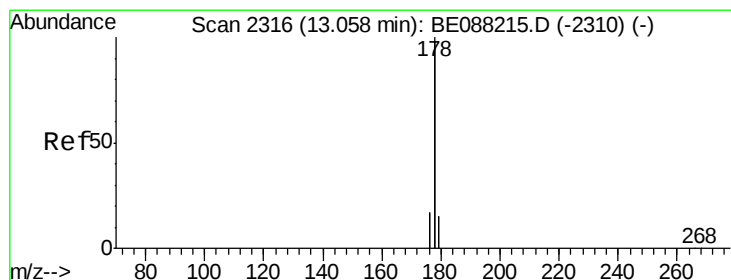
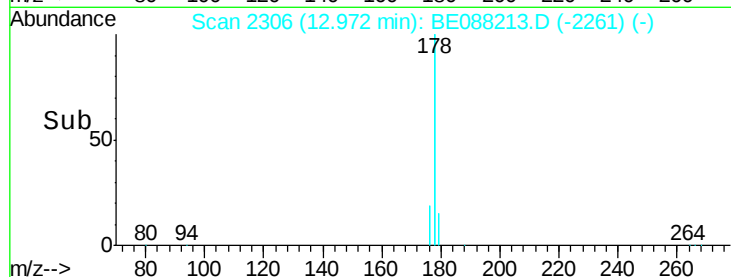
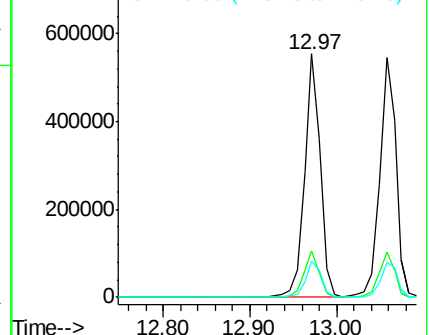
179 15.4 11.8 17.6



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: 5.20 ng

RT: 13.06 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

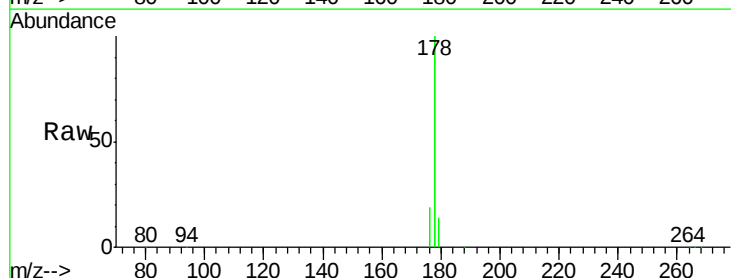
Tgt Ion:178 Resp: 717609

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

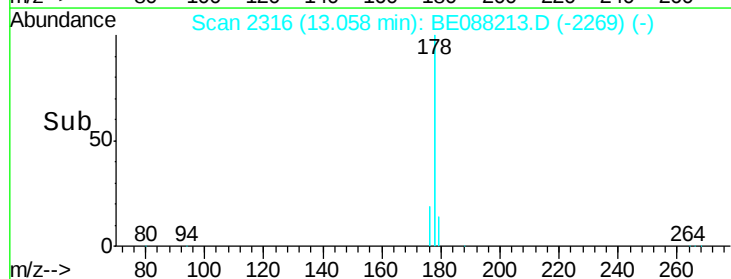
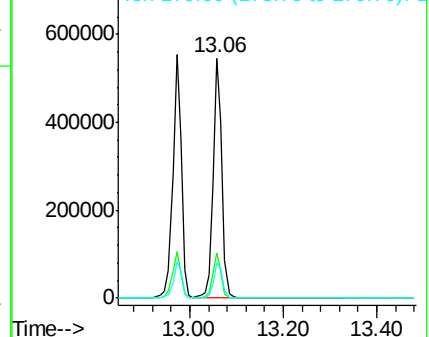
179 15.4 12.3 18.5

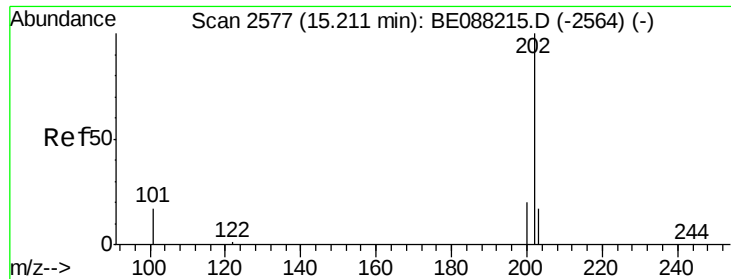


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 5.54 ng

RT: 15.21 min Scan# 2577

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

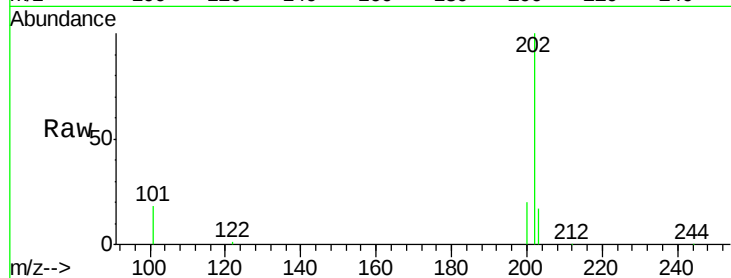
Tgt Ion:202 Resp: 157051

Ion Ratio Lower Upper

202 100

101 18.0 14.4 21.6

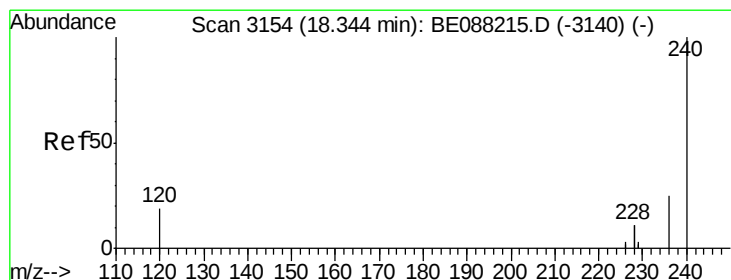
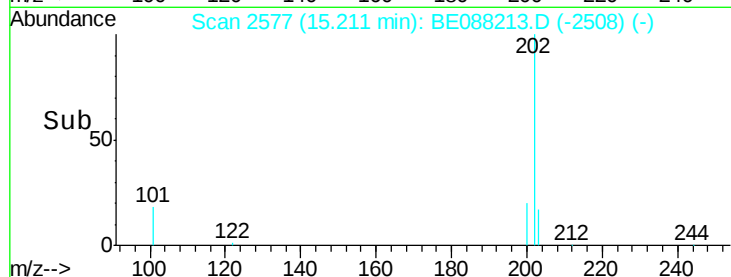
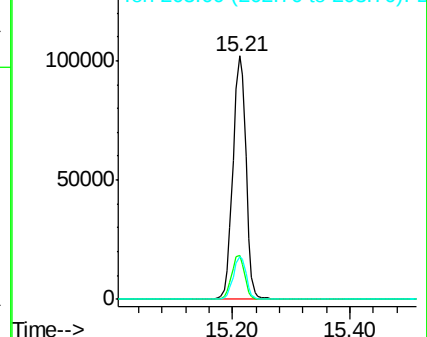
203 17.2 13.4 20.2



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: 18.35 min Scan# 3155

Delta R.T. 0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

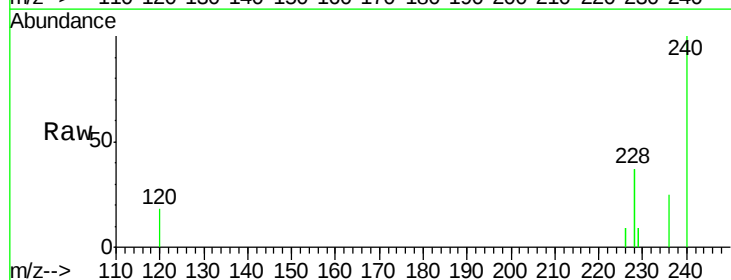
Tgt Ion:240 Resp: 113340

Ion Ratio Lower Upper

240 100

120 17.6 15.1 22.7

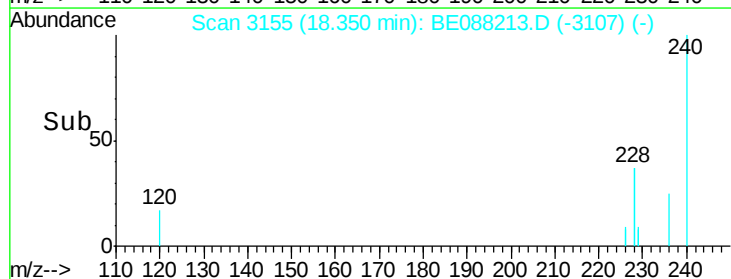
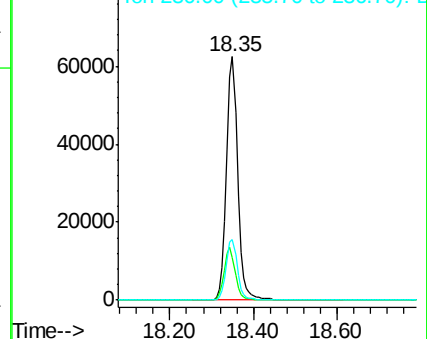
236 25.0 20.1 30.1

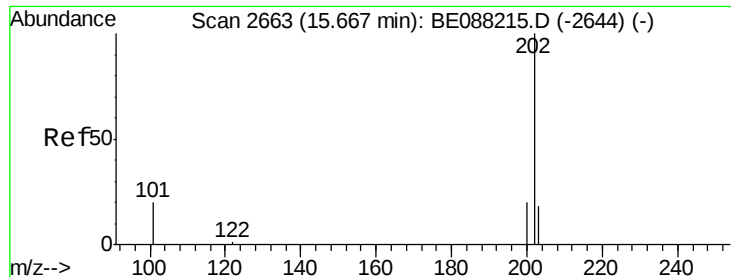


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

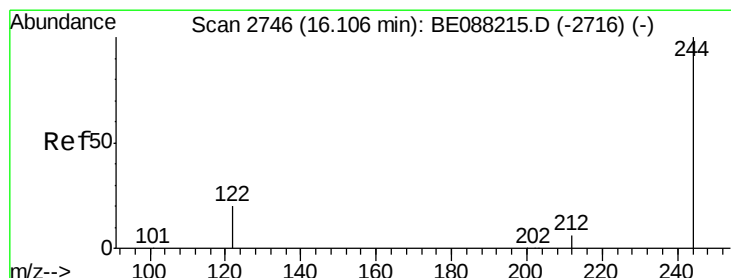
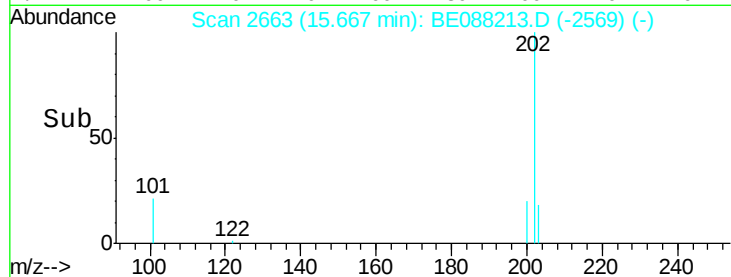
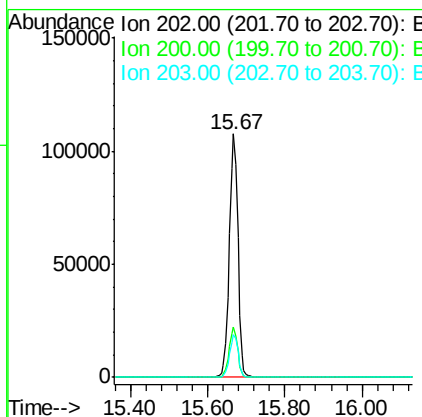
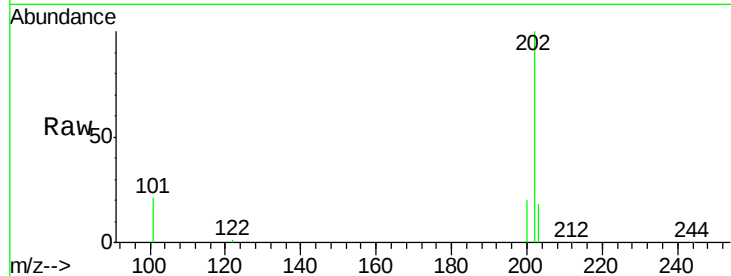




#17
 Pyrene
 Concen: 5.36 ng
 RT: 15.67 min Scan# 2663
 Delta R.T. 0.00 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

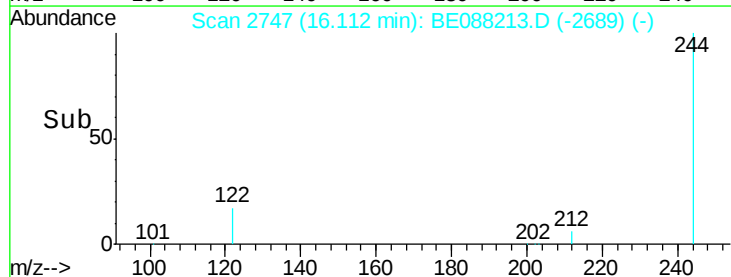
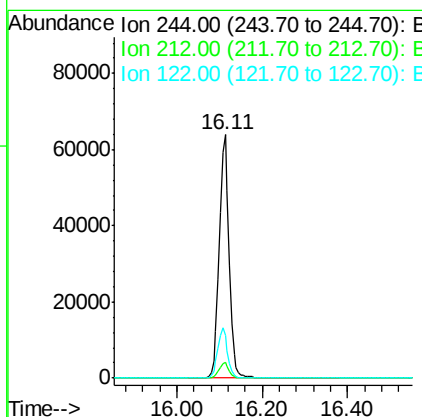
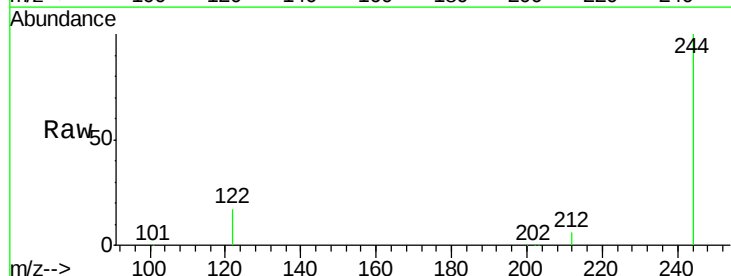
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

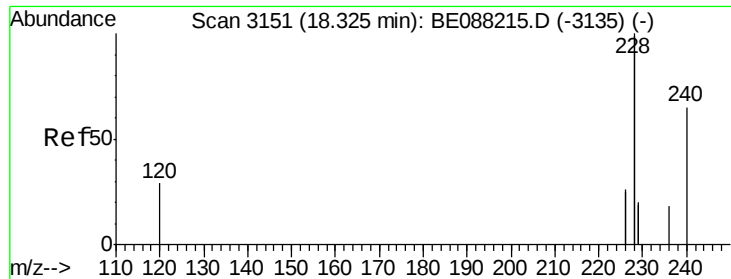
Tgt Ion: 202 Resp: 166775
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 17.4 13.8 20.8



#18
 Terphenyl-d14
 Concen: 5.48 ng
 RT: 16.11 min Scan# 2747
 Delta R.T. 0.01 min
 Lab File: BE088213.D
 Acq: 24 Oct 2014 15:27

Tgt Ion: 244 Resp: 101790
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 17.5 16.7 25.1





#19

Benzo(a)anthracene

Concen: 5.51 ng

RT: 18.32 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

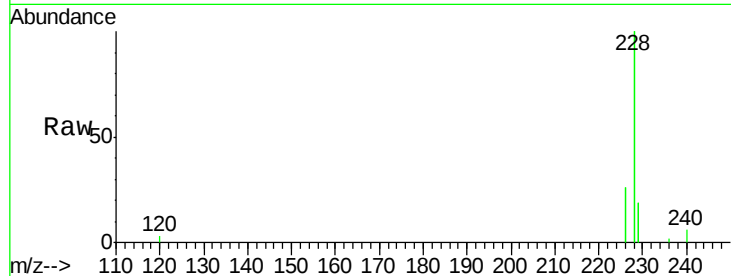
Tgt Ion:228 Resp: 491347

Ion Ratio Lower Upper

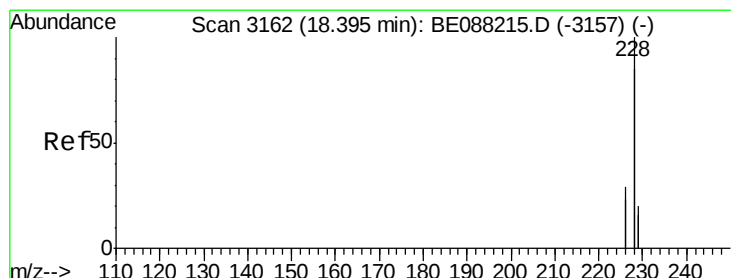
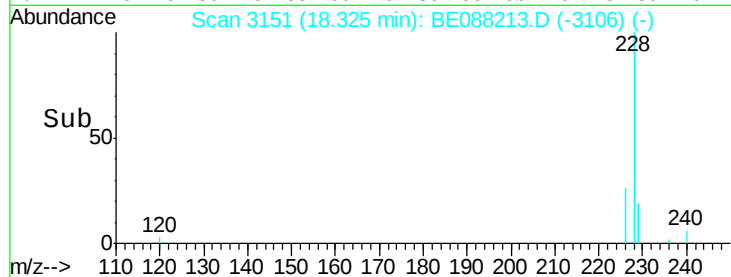
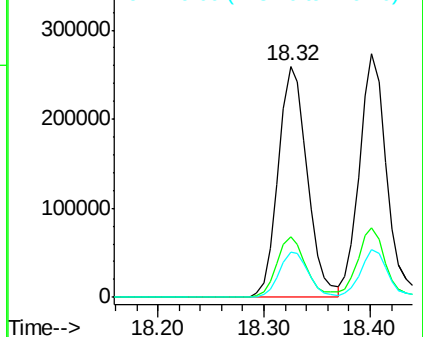
228 100

226 26.2 20.5 30.7

229 19.4 16.1 24.1



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: 4.92 ng

RT: 18.40 min Scan# 3163

Delta R.T. 0.01 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

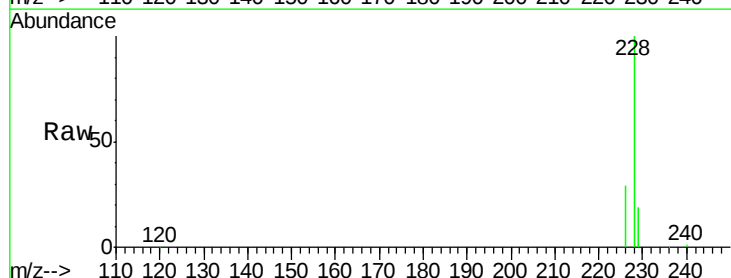
Tgt Ion:228 Resp: 498522

Ion Ratio Lower Upper

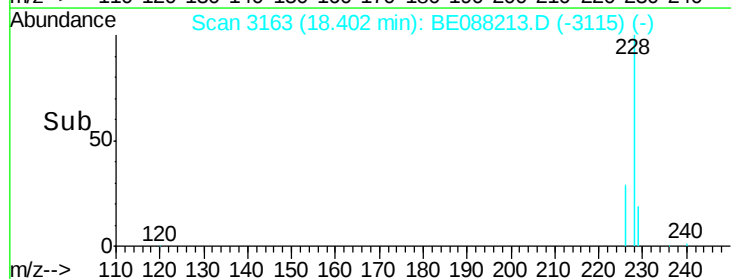
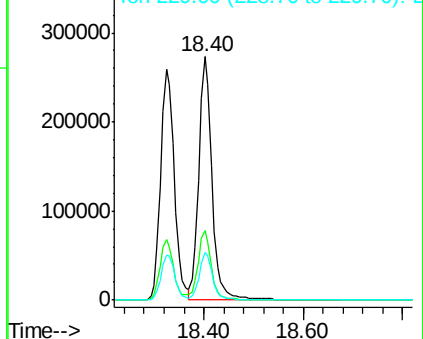
228 100

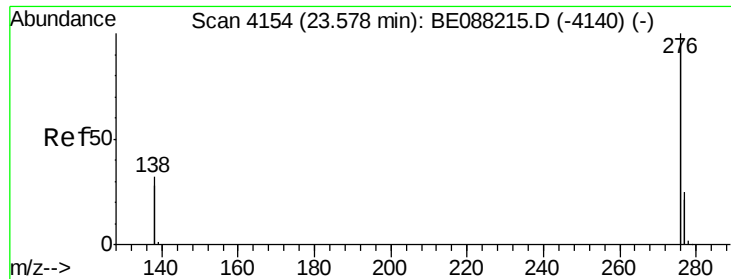
226 28.6 23.3 34.9

229 19.5 15.6 23.4



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





#21

Indeno(1,2,3-cd)pyrene

Concen: 4.04 ng

RT: 23.58 min Scan# 4154

Delta R.T. -0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

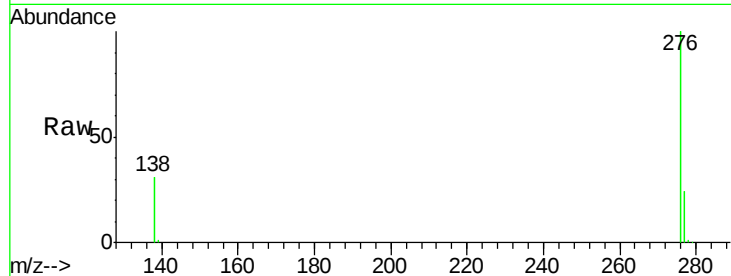
Tgt Ion: 276 Resp: 361331

Ion Ratio Lower Upper

276 100

138 30.0 13.9 20.9#

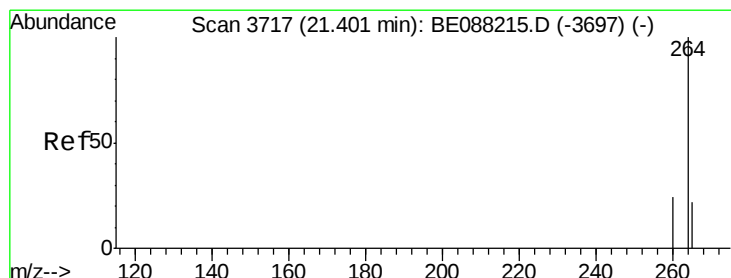
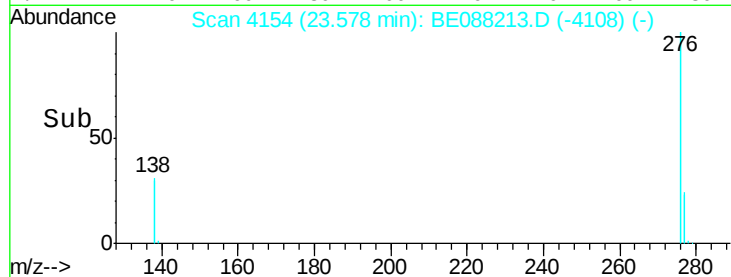
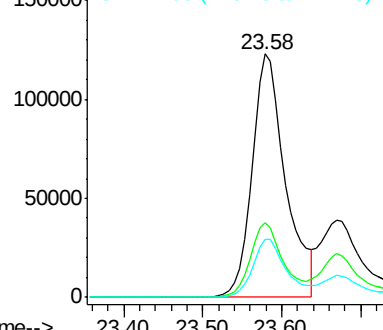
277 23.8 10.7 16.1#



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# 3717

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

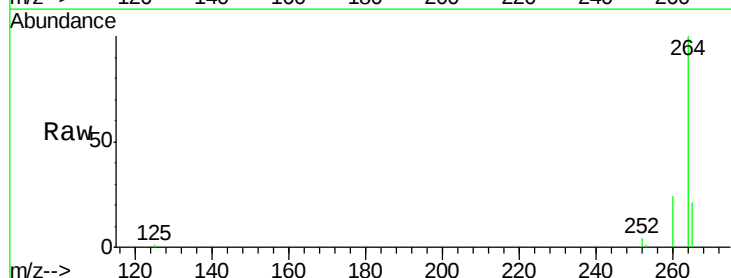
Tgt Ion: 264 Resp: 103914

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

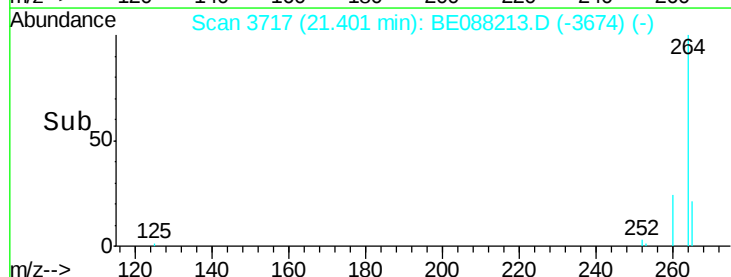
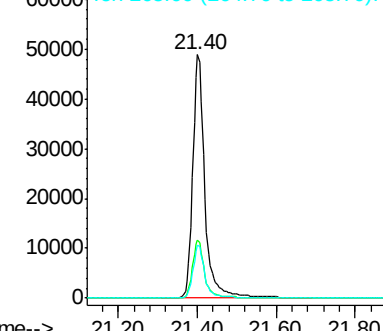
265 21.5 17.4 26.2

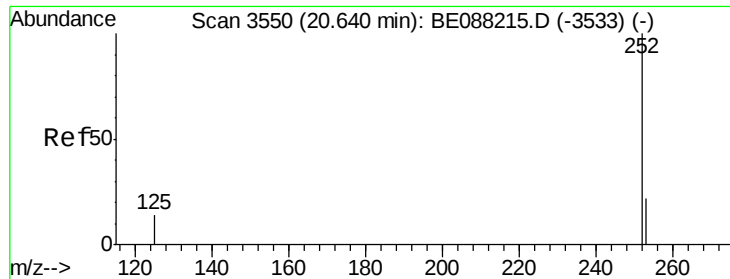


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 6.32 ng

RT: 20.64 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005

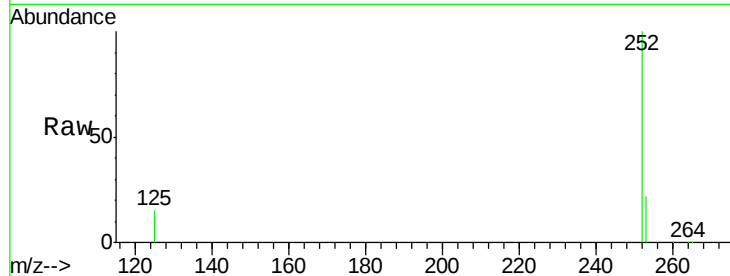
Tgt Ion:252 Resp: 107283

Ion Ratio Lower Upper

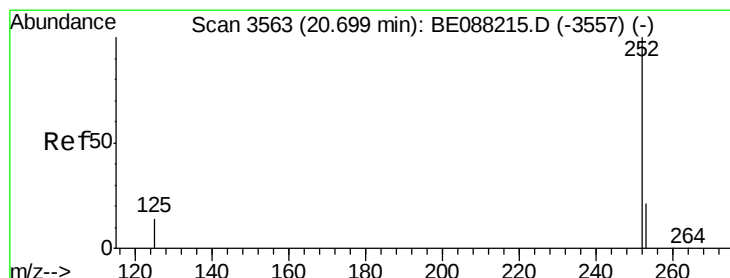
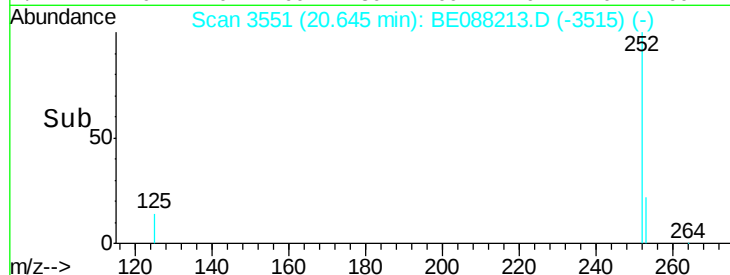
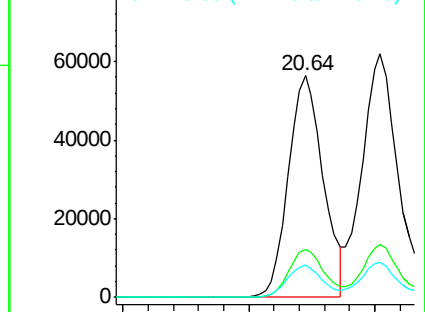
252 100

253 21.7 17.9 26.9

125 14.5 12.2 18.2



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



#24

Benzo(k)fluoranthene

Concen: 5.09 ng

RT: 20.70 min Scan# 3564

Delta R.T. 0.00 min

Lab File: BE088213.D

Acq: 24 Oct 2014 15:27

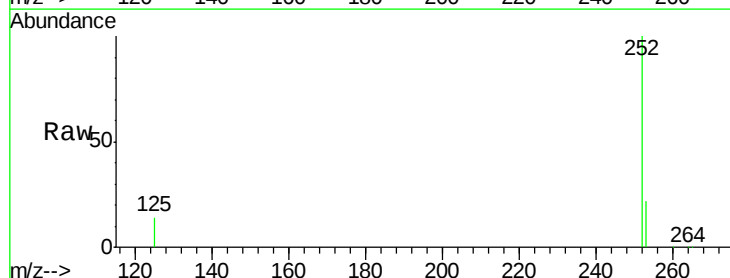
Tgt Ion:252 Resp: 136662

Ion Ratio Lower Upper

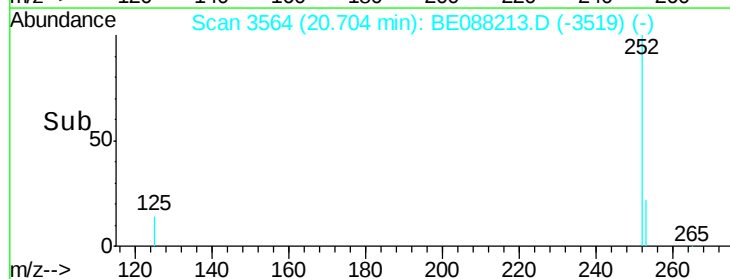
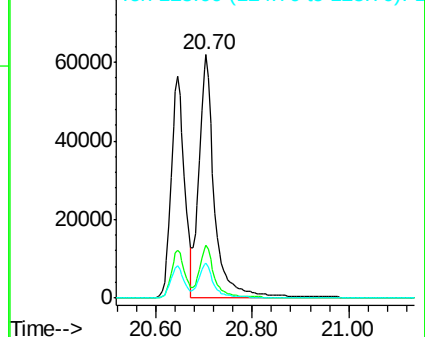
252 100

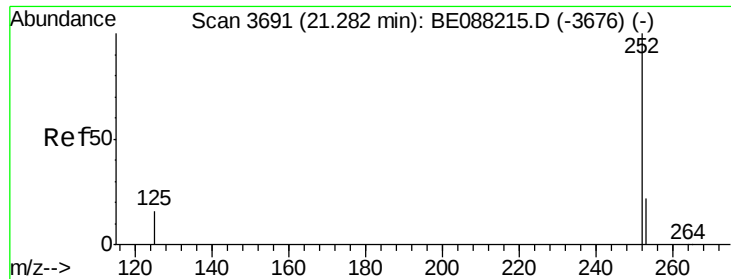
253 21.9 17.6 26.4

125 14.2 12.1 18.1



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

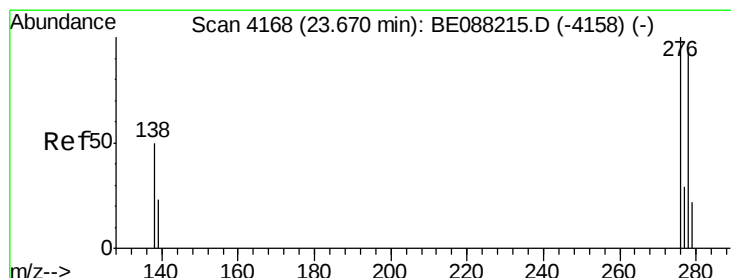
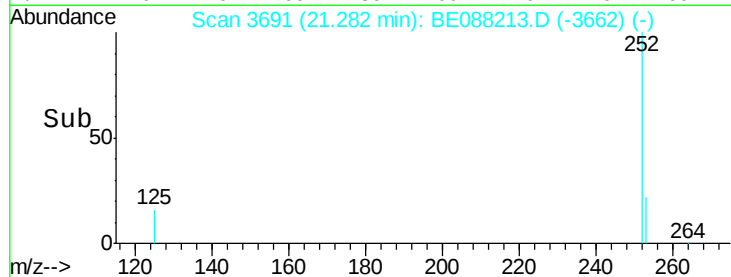
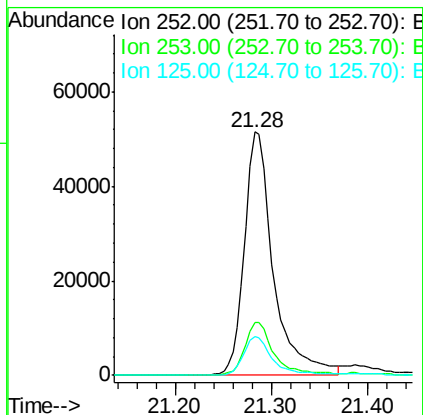
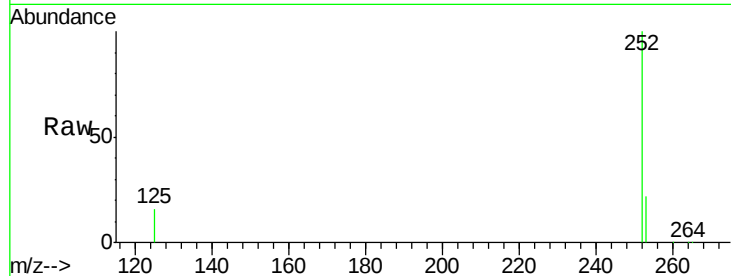




#25
Benzo(a)pyrene
Concen: 6.38 ng
RT: 21.28 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

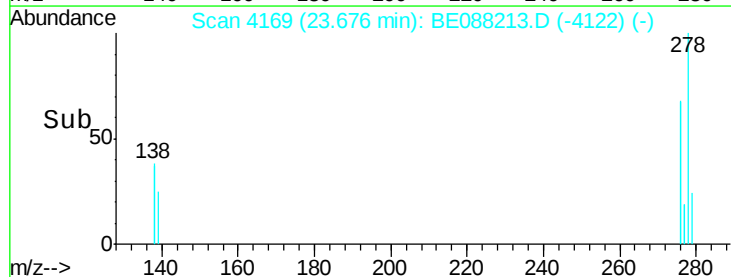
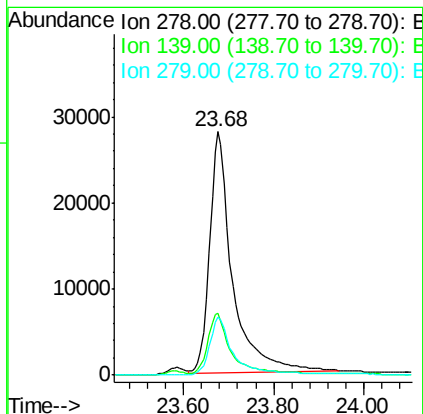
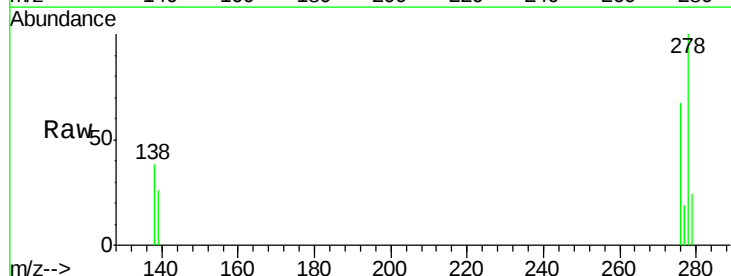
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

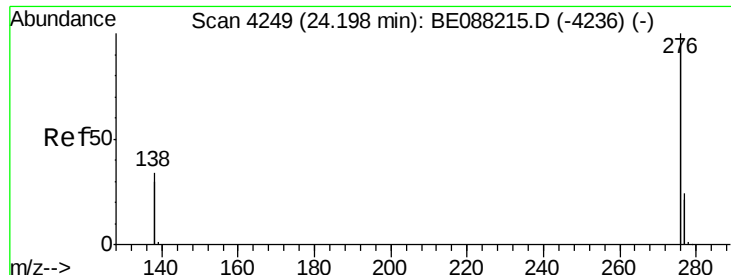
Tgt Ion: 252 Resp: 107076
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 16.1 13.5 20.3



#26
Dibenzo(a,h)anthracene
Concen: 6.28 ng
RT: 23.68 min Scan# 4169
Delta R.T. 0.01 min
Lab File: BE088213.D
Acq: 24 Oct 2014 15:27

Tgt Ion: 278 Resp: 99738
Ion Ratio Lower Upper
278 100
139 25.5 22.1 33.1
279 24.0 20.2 30.2





#27

Benzo(g,h,i)perylene

Concen: 5.63 ng

RT: 24.21 min Scan# 4251

Delta R.T. 0.01 min

Lab File: BE088213.D

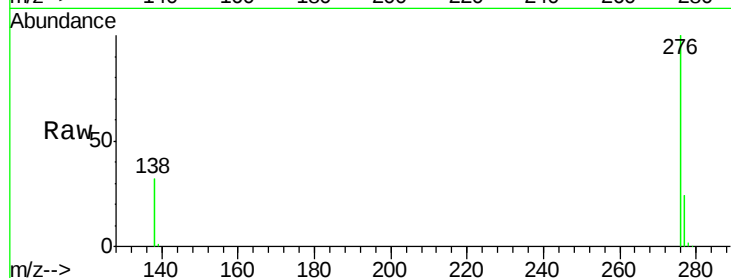
Acq: 24 Oct 2014 15:27

Instrument :

BNA_E

ClientSampleId :

SSTDICC005



Tgt Ion: 276 Resp: 469526

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.2

138 32.1 27.3 40.9

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

