

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088119.D
 Acq On : 20 Oct 2014 21:47
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Quant Time: Oct 21 01:57:22 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 01:52:35 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	38915	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	146030	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	65417	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	118158	5.00	ng	0.00
16) Chrysene-d12	18.39	240	88310	5.00	ng	0.00
22) Perylene-d12	21.44	264	82108	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	10914	1.24	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	18840	1.04	ng	0.00
18) Terphenyl-d14	16.14	244	14391	1.05	ng	0.00

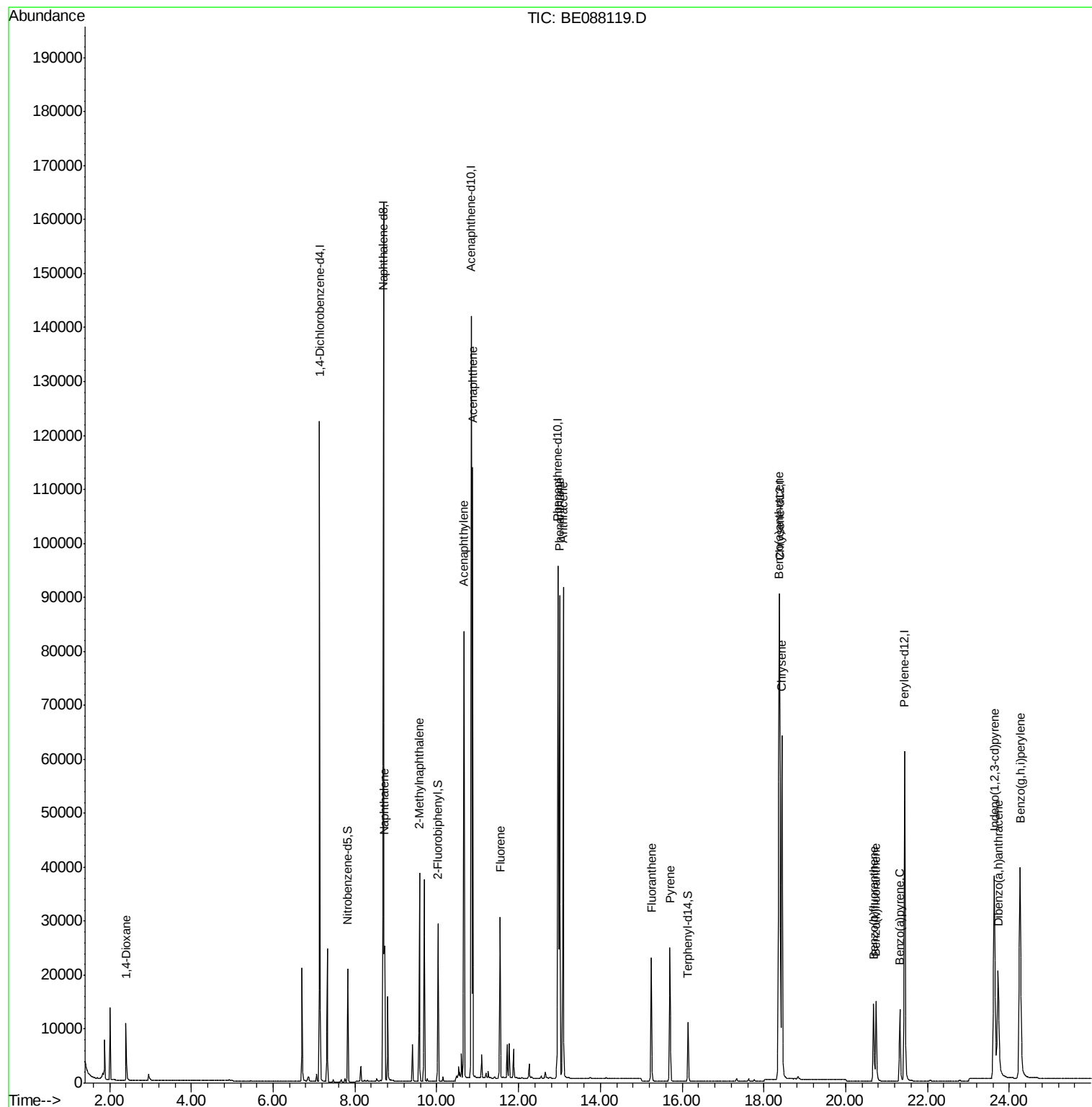
Target Compounds					Qvalue	
2) 1,4-Dioxane	2.40	88	5882	1.06	ng	100
5) Naphthalene	8.72	128	31287	1.06	ng	100
6) 2-Methylnaphthalene	9.58	142	18867	1.08	ng	100
9) Acenaphthylene	10.66	152	104425	1.13	ng	100
10) Acenaphthene	10.88	154	15575	1.02	ng	100
11) Fluorene	11.55	166	16942	1.10	ng	100
13) Phenanthrene	13.01	178	119073	1.08	ng	100
14) Anthracene	13.09	178	94317	0.98	ng	100
15) Fluoranthene	15.25	202	22456	0.97	ng	100
17) Pyrene	15.70	202	23923	1.05	ng	100
19) Benzo(a)anthracene	18.36	228	76406	1.13	ng	100
20) Chrysene	18.44	228	76931	0.93	ng	100
21) Indeno(1,2,3-cd)pyrene	23.63	276	69711	1.04	ng	# 87
23) Benzo(b)fluoranthene	20.68	252	19661	1.28	ng	100
24) Benzo(k)fluoranthene	20.74	252	20968	0.98	ng	100
25) Benzo(a)pyrene	21.32	252	18469	1.39	ng	100
26) Dibenzo(a,h)anthracene	23.73	278	17686	1.26	ng	100
27) Benzo(g,h,i)perylene	24.26	276	78333	1.16	ng	100

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088119.D
Acq On : 20 Oct 2014 21:47
Operator : TP/JJ
Sample : SSTDICCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Quant Time: Oct 21 01:57:22 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 01:52:35 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

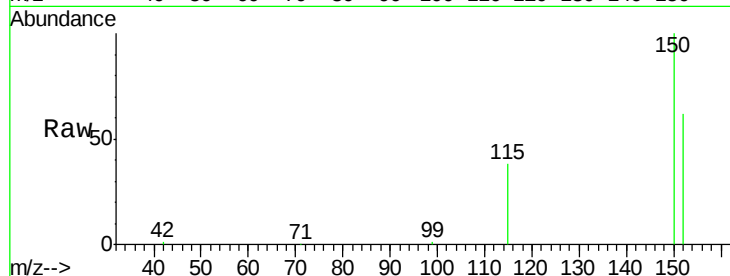
Tgt Ion:152 Resp: 38915

Ion Ratio Lower Upper

152 100

150 161.5 129.2 193.8

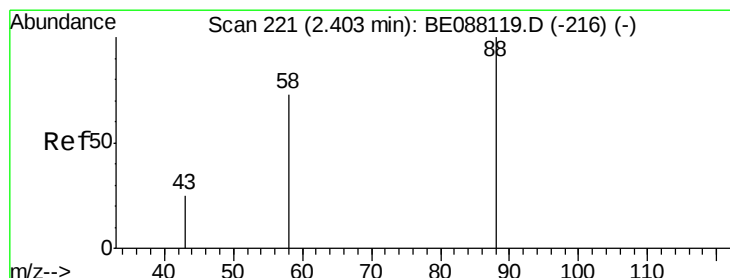
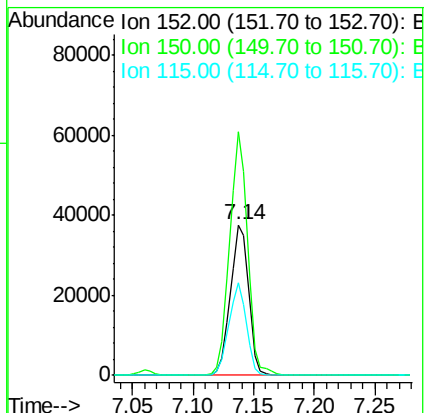
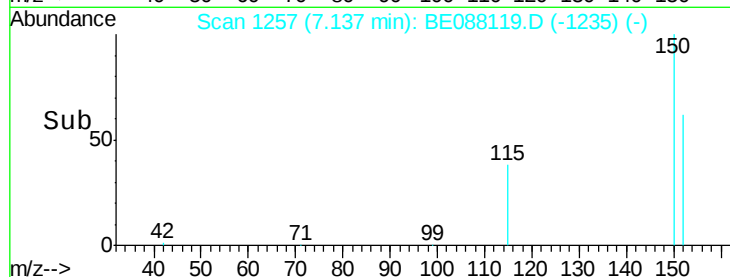
115 61.6 49.3 73.9



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: 1.06 ng

RT: 2.40 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

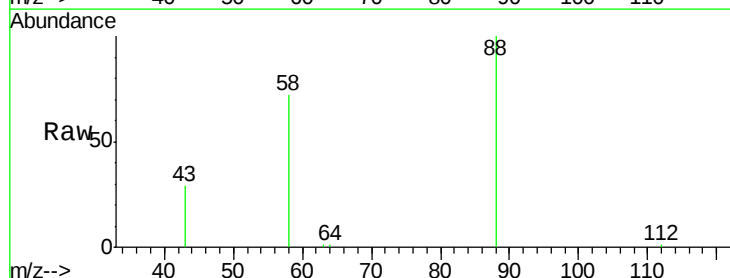
Tgt Ion: 88 Resp: 5882

Ion Ratio Lower Upper

88 100

58 74.4 59.5 89.3

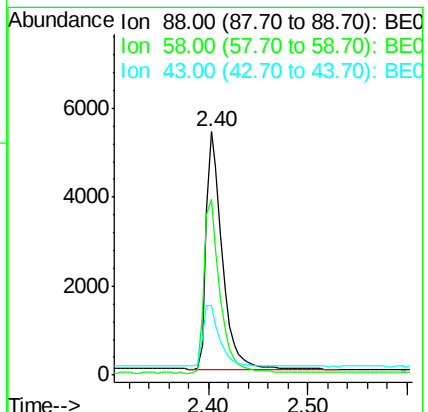
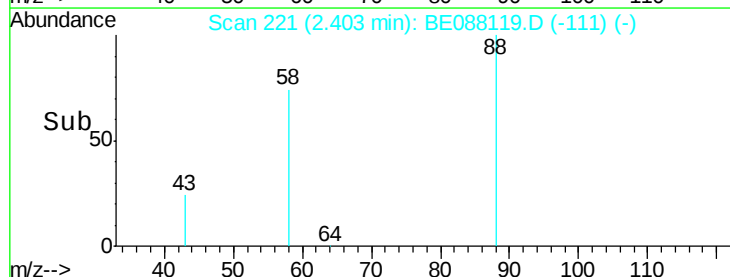
43 26.5 21.2 31.8

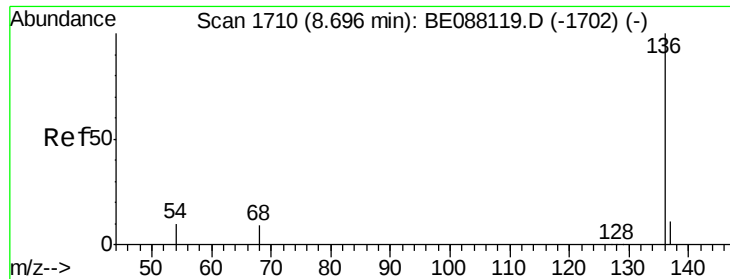


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.70 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

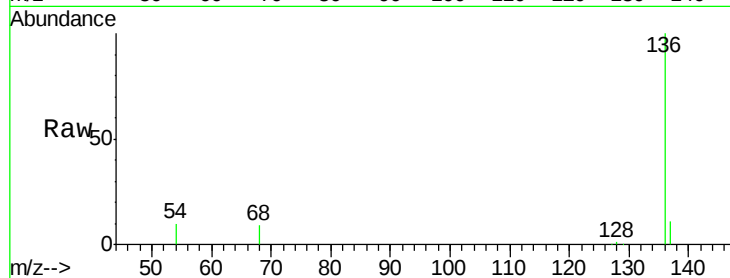
Tgt Ion: 136 Resp: 146030

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

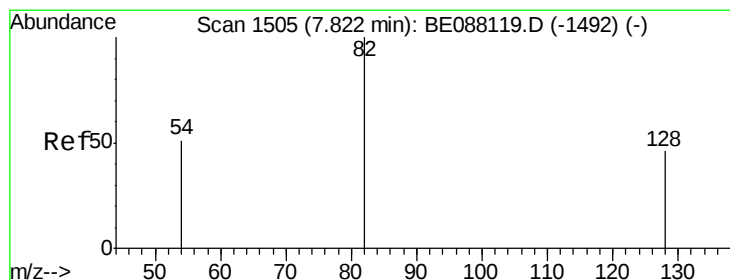
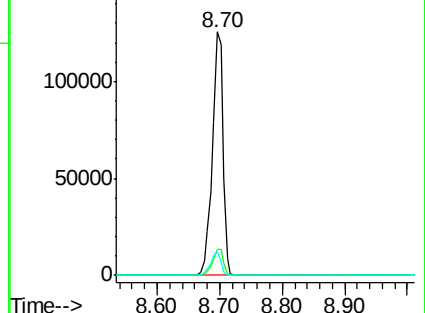
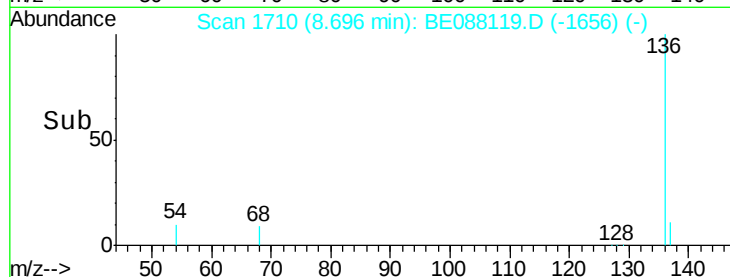
54 9.6 7.7 11.5



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: 1.24 ng

RT: 7.82 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

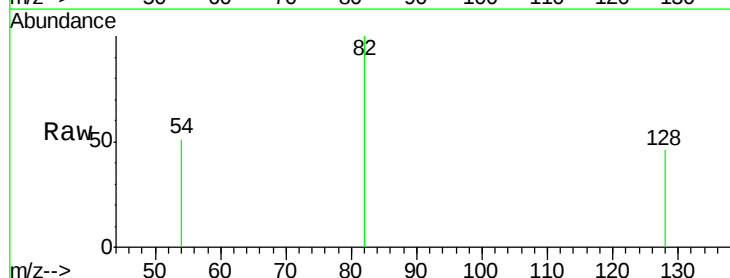
Tgt Ion: 82 Resp: 10914

Ion Ratio Lower Upper

82 100

128 46.4 37.1 55.7

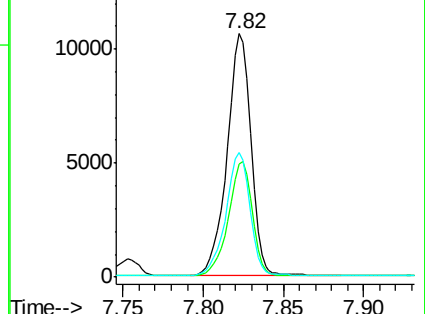
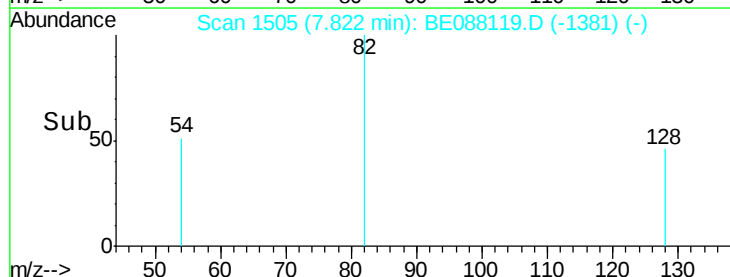
54 51.4 41.1 61.7

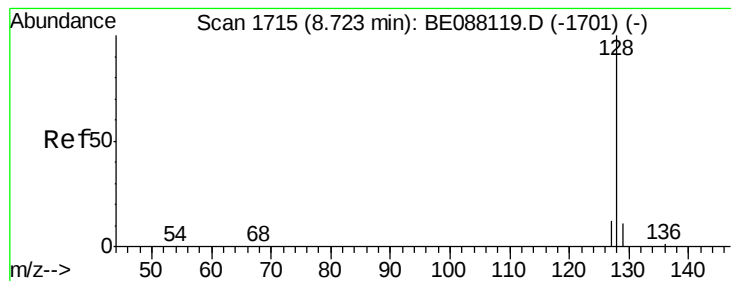


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 1.06 ng

RT: 8.72 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

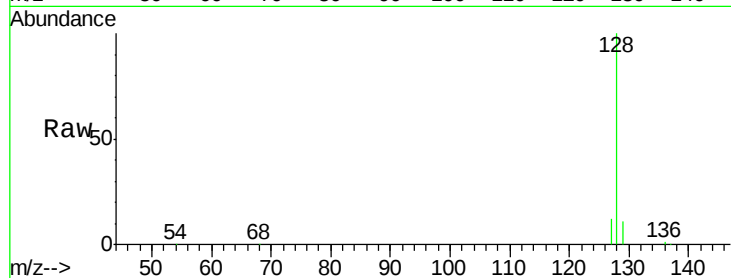
Tgt Ion:128 Resp: 31287

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

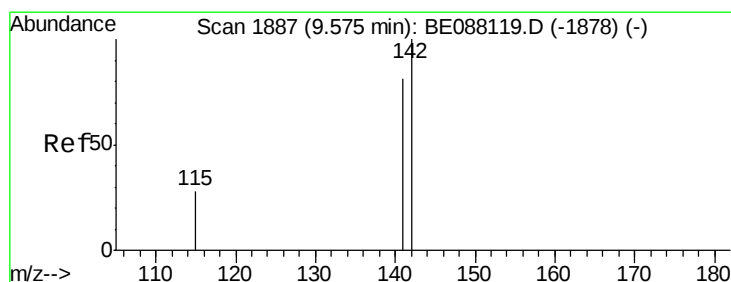
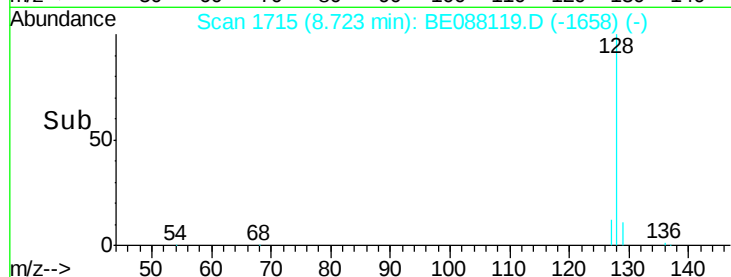
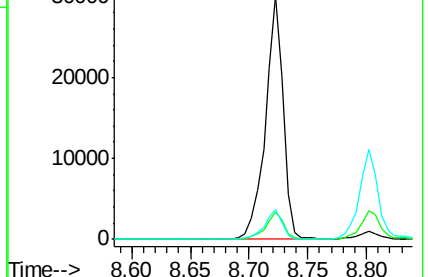
127 12.1 9.7 14.5



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: 1.08 ng

RT: 9.58 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

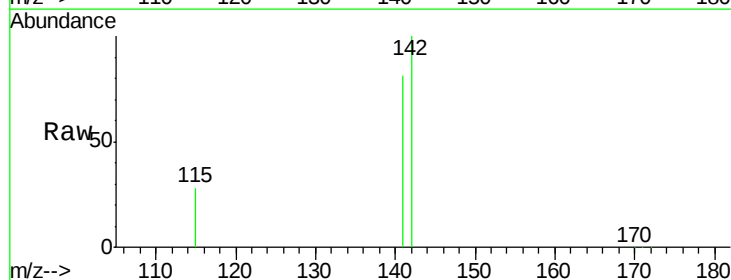
Tgt Ion:142 Resp: 18867

Ion Ratio Lower Upper

142 100

141 80.8 64.6 97.0

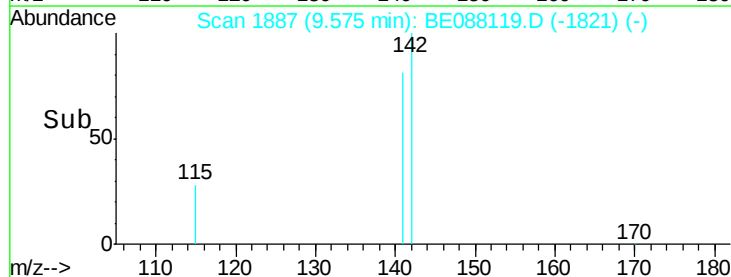
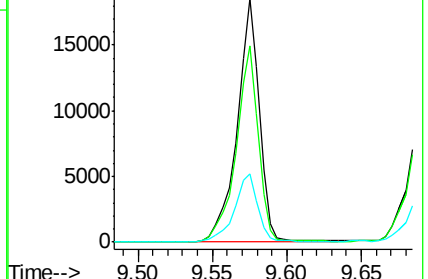
115 28.3 22.6 34.0



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: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

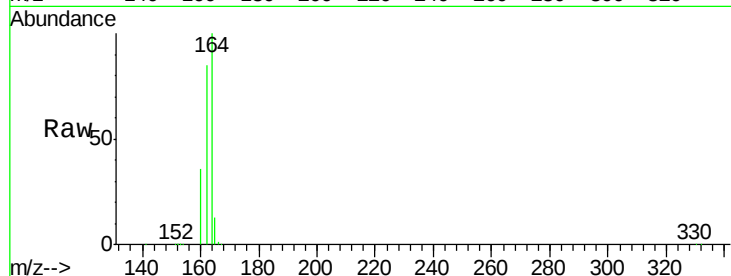
Tgt Ion:164 Resp: 65417

Ion Ratio Lower Upper

164 100

162 85.4 68.3 102.5

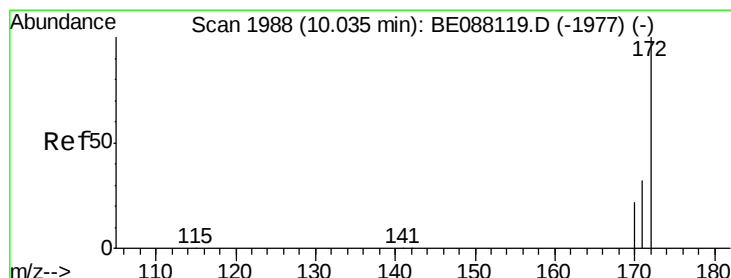
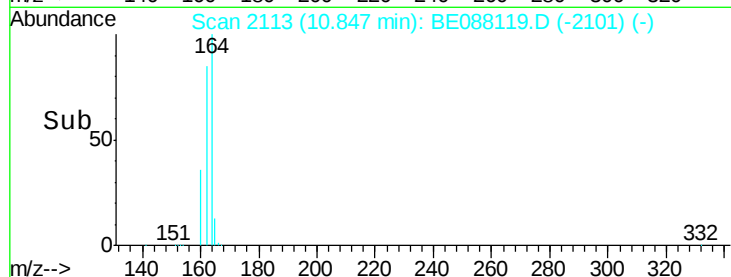
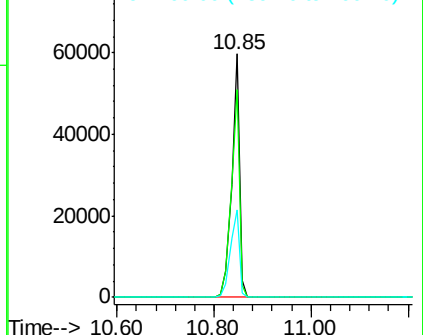
160 35.9 28.7 43.1



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: 1.04 ng

RT: 10.03 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

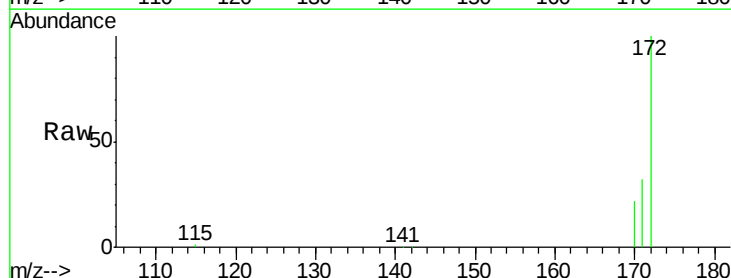
Tgt Ion:172 Resp: 18840

Ion Ratio Lower Upper

172 100

171 31.8 25.4 38.2

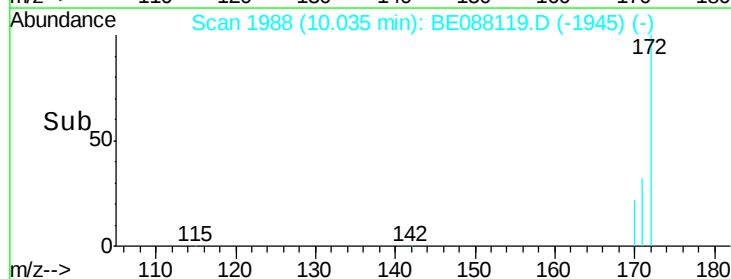
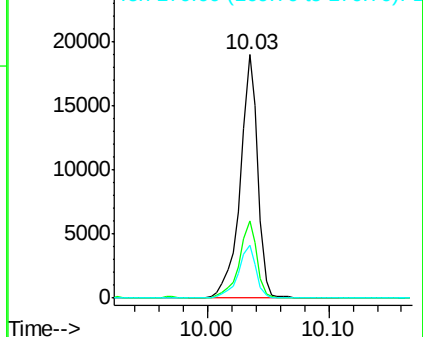
170 21.8 17.4 26.2

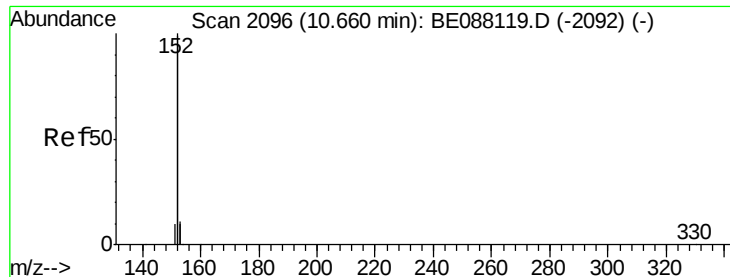


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 1.13 ng

RT: 10.66 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

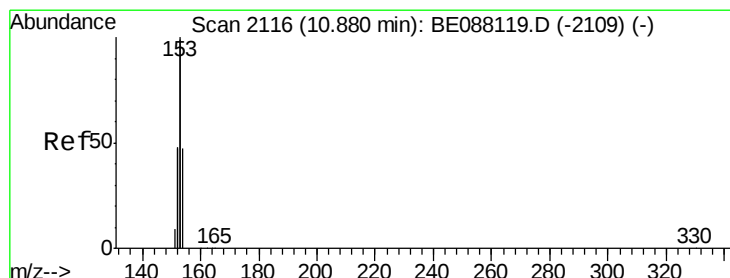
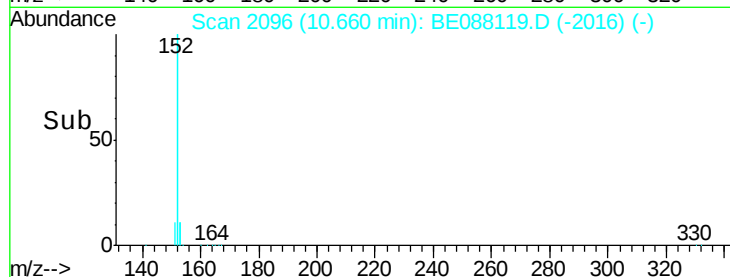
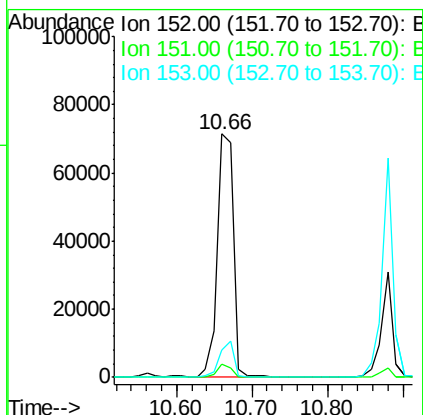
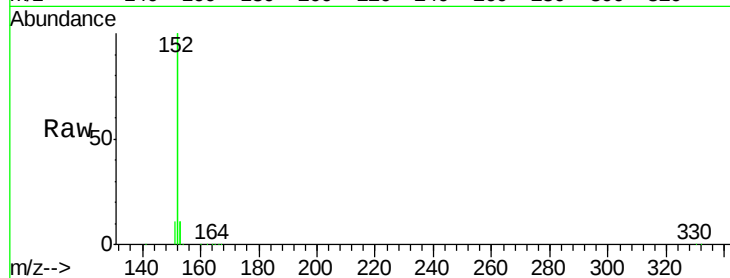
Tgt Ion:152 Resp: 104425

Ion Ratio Lower Upper

152 100

151 4.6 3.7 5.5

153 13.0 10.4 15.6



#10

Acenaphthene

Concen: 1.02 ng

RT: 10.88 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

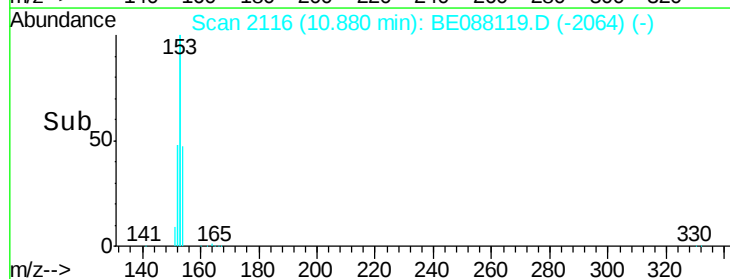
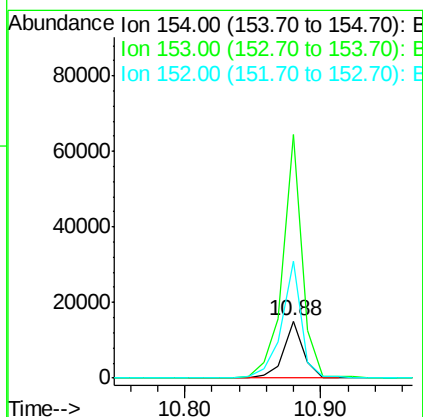
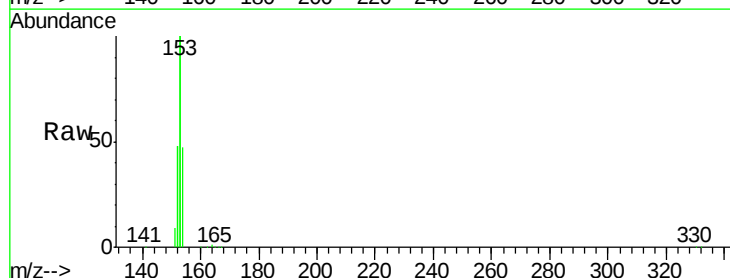
Tgt Ion:154 Resp: 15575

Ion Ratio Lower Upper

154 100

153 409.7 327.8 491.6

152 197.0 157.6 236.4





#11

Fluorene

Concen: 1.10 ng

RT: 11.55 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

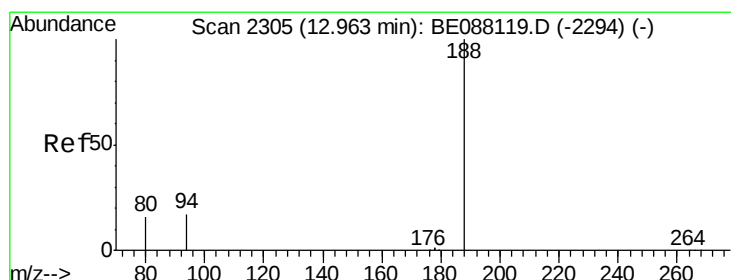
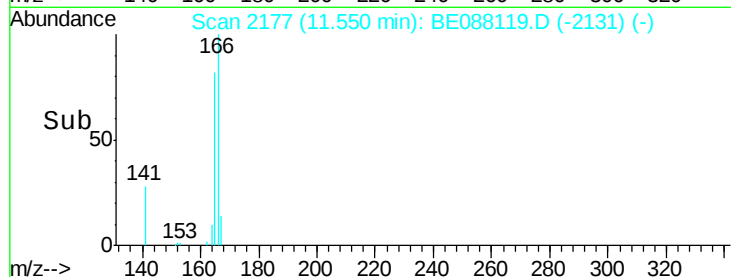
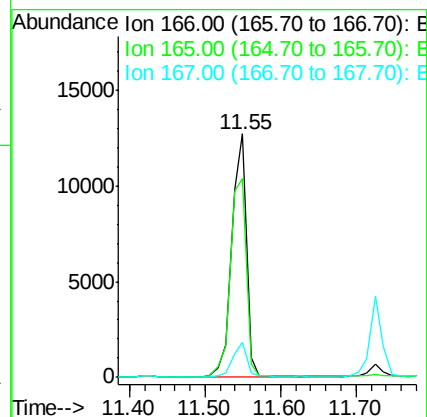
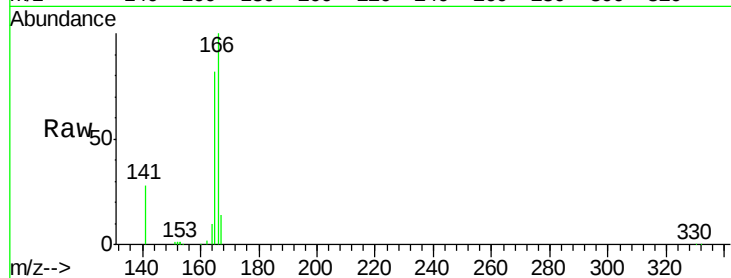
Tgt Ion:166 Resp: 16942

Ion Ratio Lower Upper

166 100

165 89.3 71.4 107.2

167 13.3 10.6 16.0



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.96 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

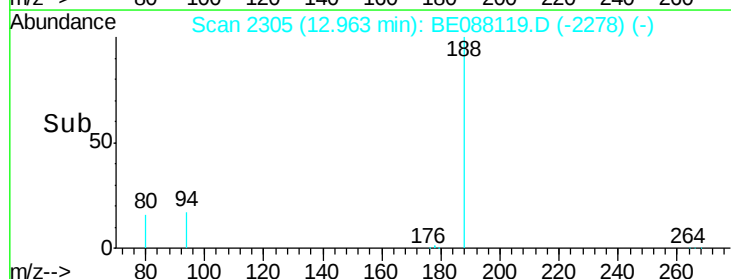
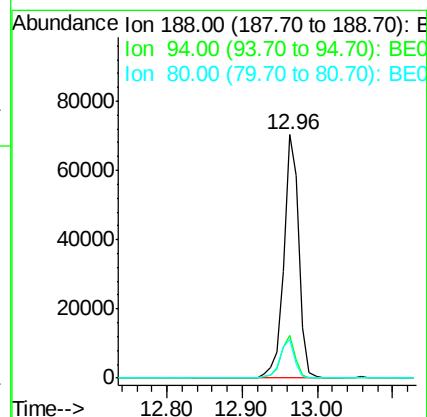
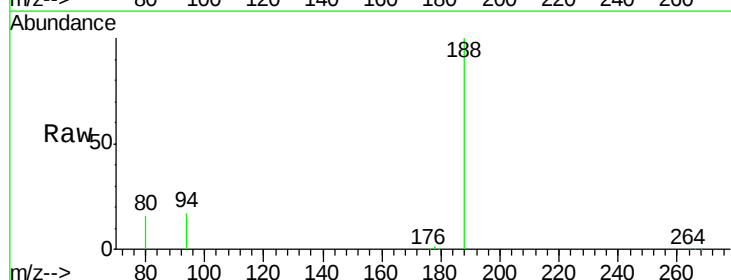
Tgt Ion:188 Resp: 118158

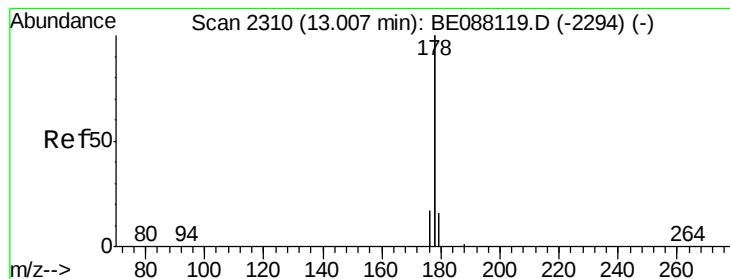
Ion Ratio Lower Upper

188 100

94 17.4 13.9 20.9

80 16.1 12.9 19.3





#13

Phenanthrene

Concen: 1.08 ng

RT: 13.01 min Scan# 2310

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

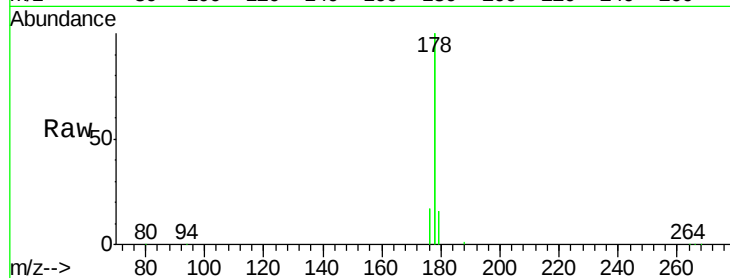
Tgt Ion:178 Resp: 119073

Ion Ratio Lower Upper

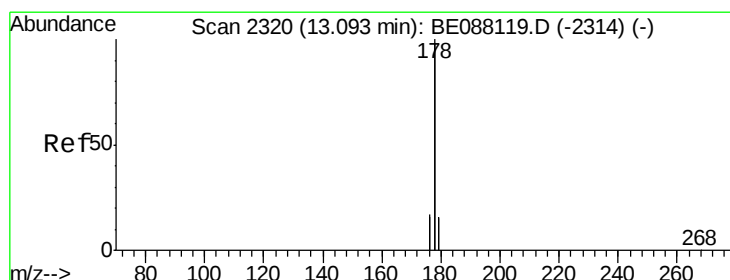
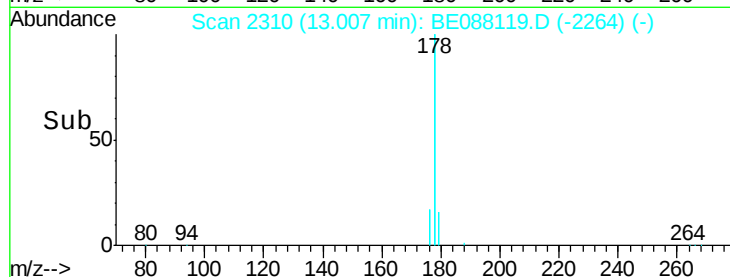
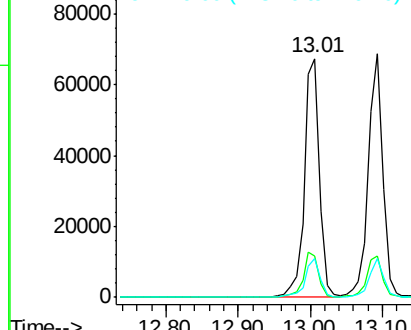
178 100

176 15.6 12.5 18.7

179 16.9 13.5 20.3



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: 0.98 ng

RT: 13.09 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

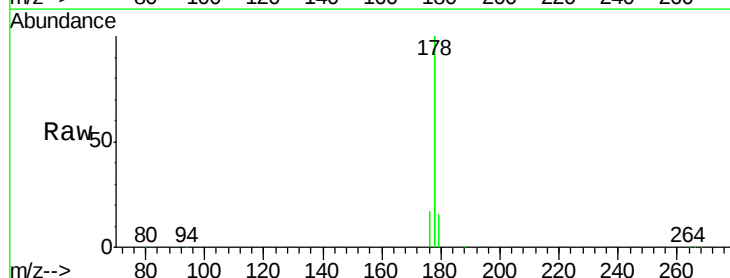
Tgt Ion:178 Resp: 94317

Ion Ratio Lower Upper

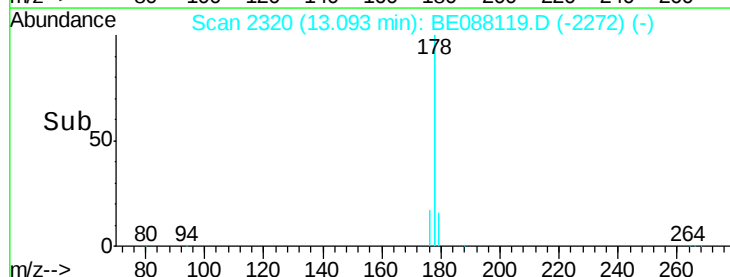
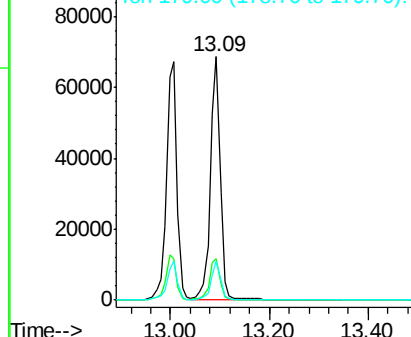
178 100

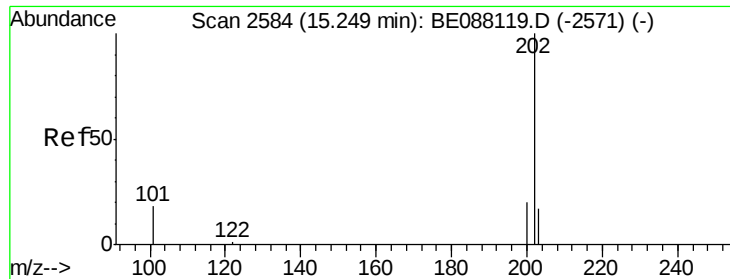
176 18.2 14.6 21.8

179 15.6 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: 0.97 ng

RT: 15.25 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

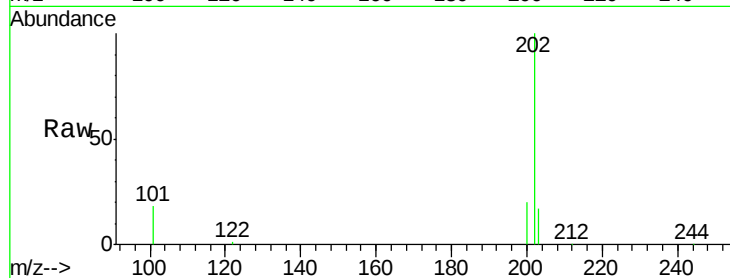
Tgt Ion:202 Resp: 22456

Ion Ratio Lower Upper

202 100

101 18.5 14.8 22.2

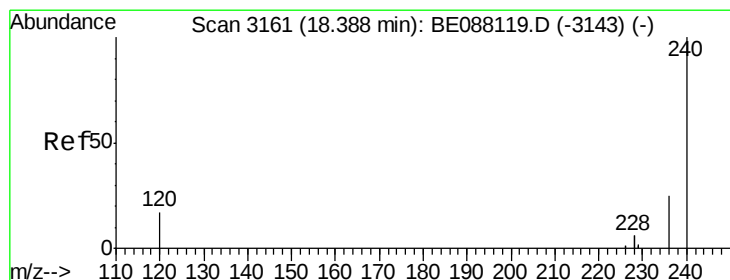
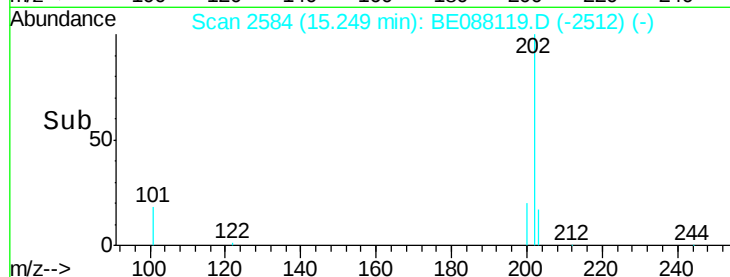
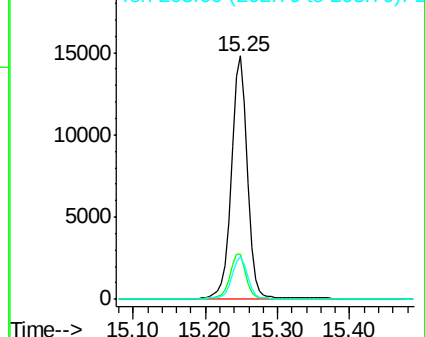
203 16.9 13.5 20.3



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: 18.39 min Scan# 3161

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

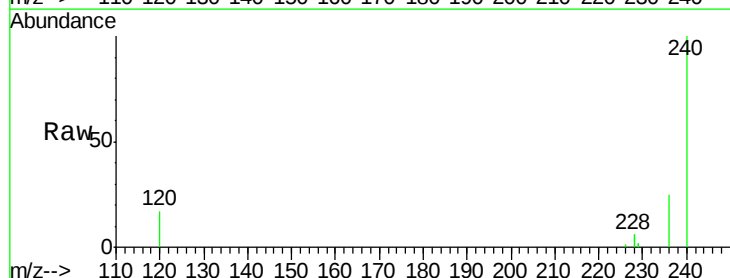
Tgt Ion:240 Resp: 88310

Ion Ratio Lower Upper

240 100

120 17.4 13.9 20.9

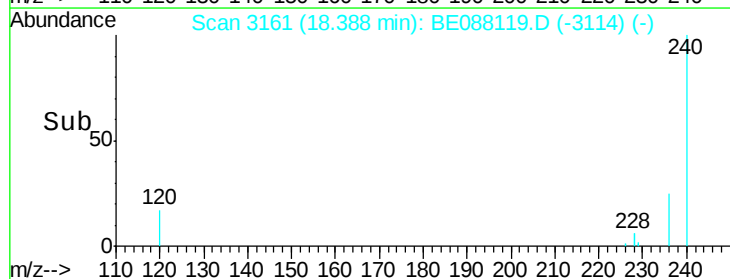
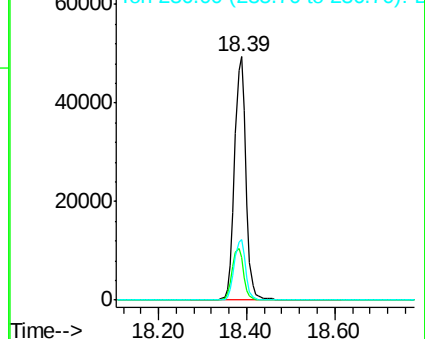
236 24.9 19.9 29.9

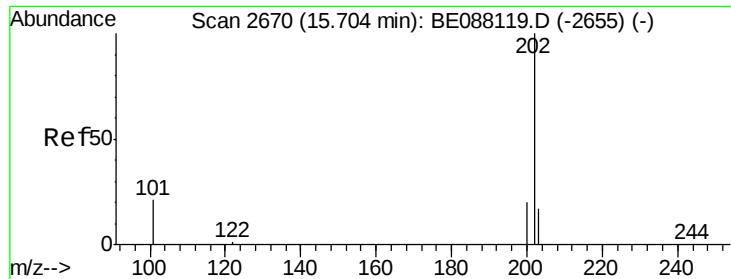


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

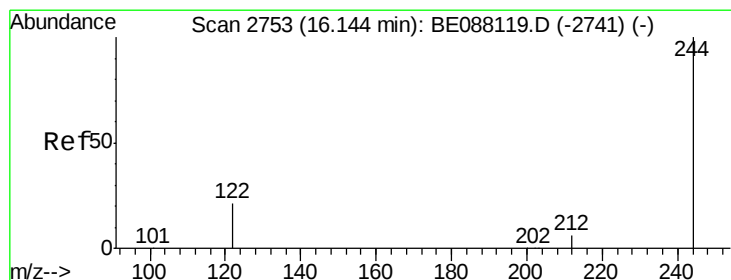
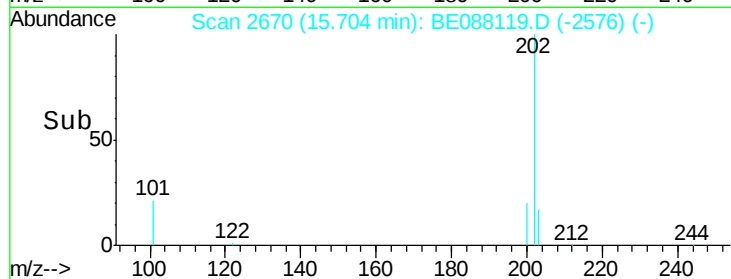
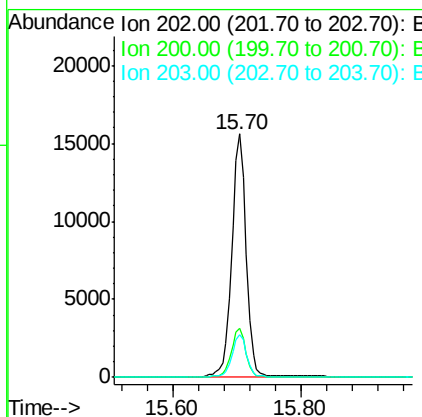
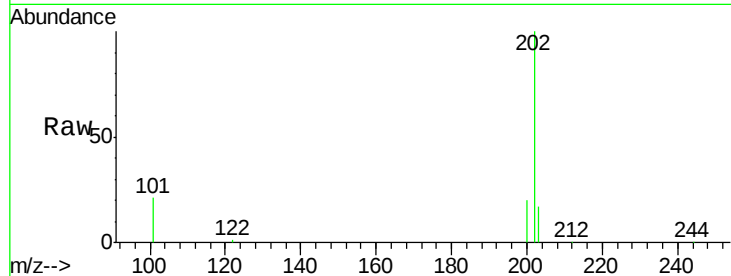




#17
 Pyrene
 Concen: 1.05 ng
 RT: 15.70 min Scan# 2670
 Delta R.T. 0.00 min
 Lab File: BE088119.D
 Acq: 20 Oct 2014 21:47

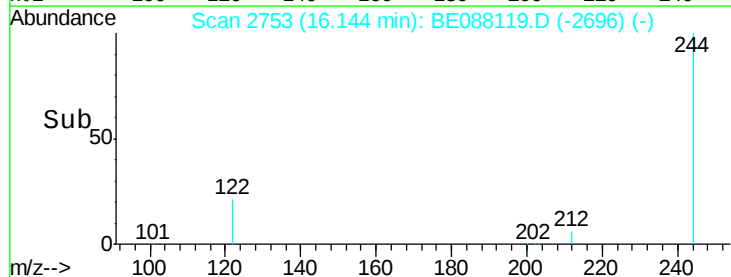
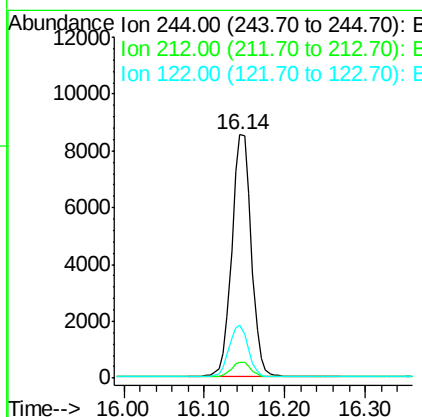
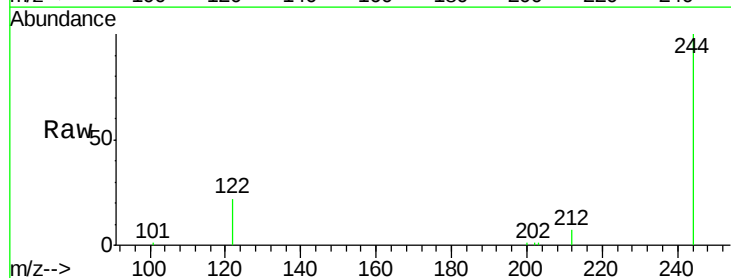
Instrument :
 BNA_E
 ClientSampleId :
 SSTD1CCC001

Tgt Ion: 202 Resp: 23923
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.1 24.1
 203 17.4 13.9 20.9



#18
 Terphenyl-d14
 Concen: 1.05 ng
 RT: 16.14 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: BE088119.D
 Acq: 20 Oct 2014 21:47

Tgt Ion: 244 Resp: 14391
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 21.9 17.5 26.3





#19

Benzo(a)anthracene

Concen: 1.13 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

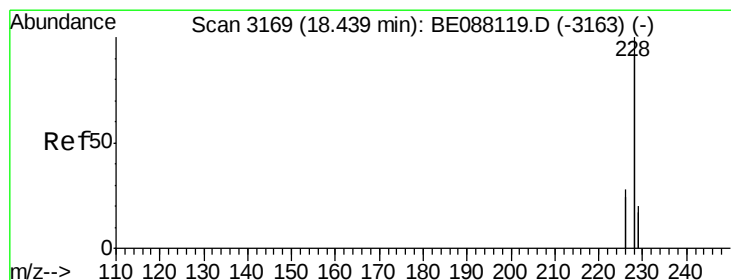
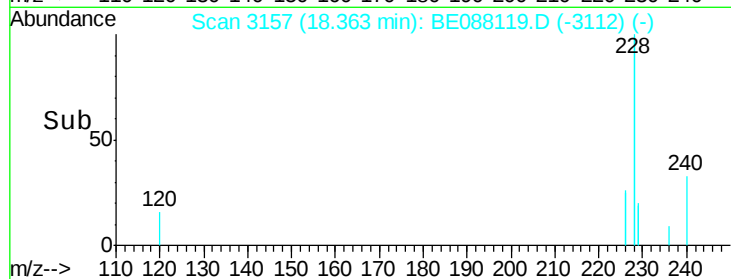
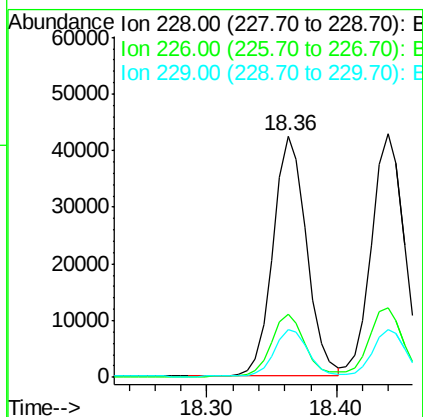
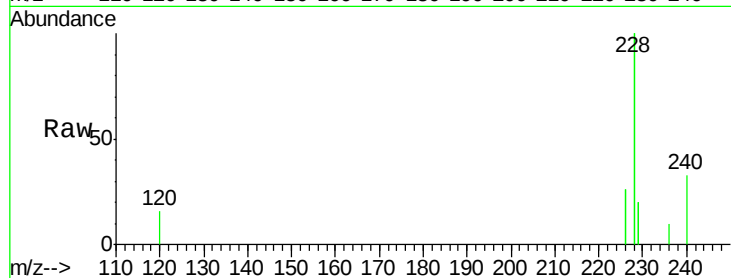
Tgt Ion:228 Resp: 76406

Ion Ratio Lower Upper

228 100

226 26.0 20.8 31.2

229 19.5 15.6 23.4



#20

Chrysene

Concen: 0.93 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

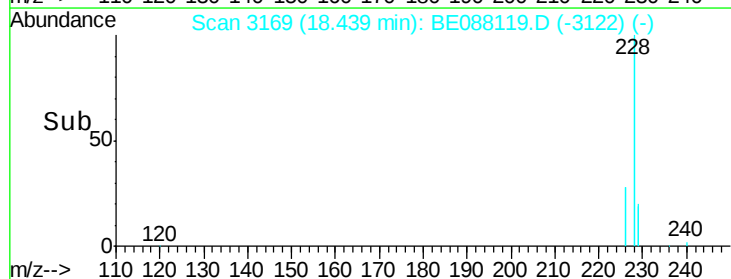
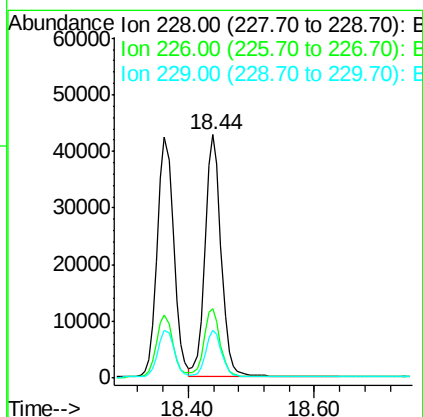
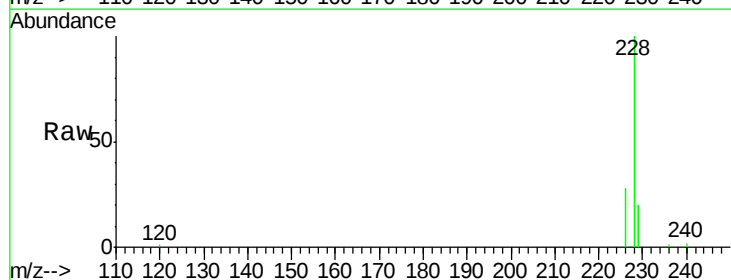
Tgt Ion:228 Resp: 76931

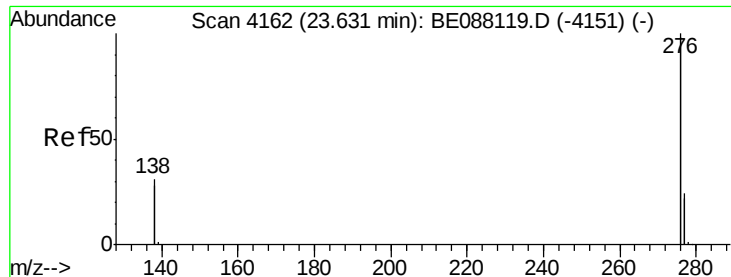
Ion Ratio Lower Upper

228 100

226 28.4 22.7 34.1

229 19.7 15.8 23.6





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.04 ng

RT: 23.63 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

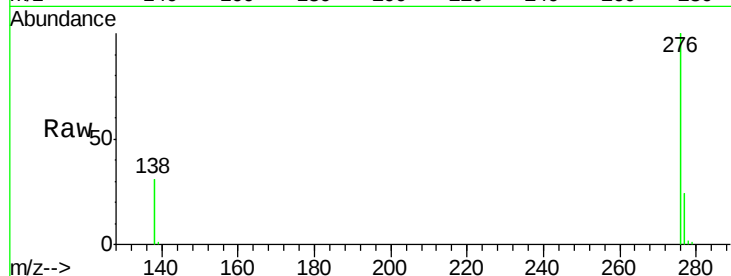
Tgt Ion: 276 Resp: 69711

Ion Ratio Lower Upper

276 100

138 30.0 18.5 27.7#

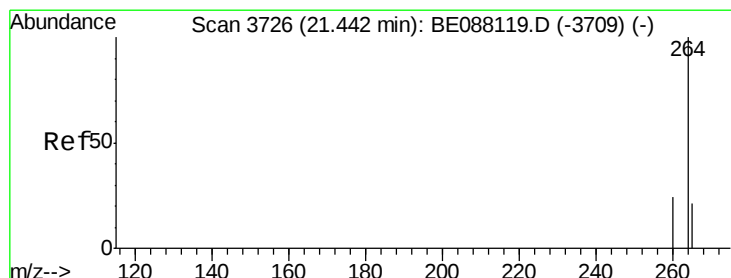
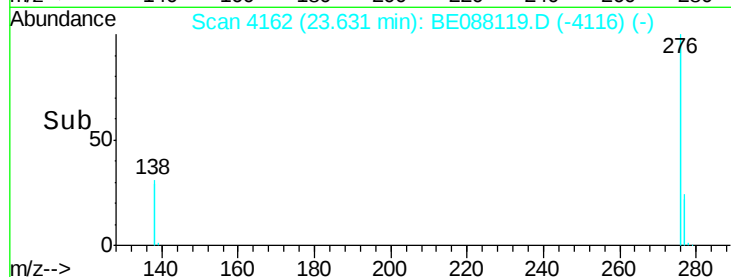
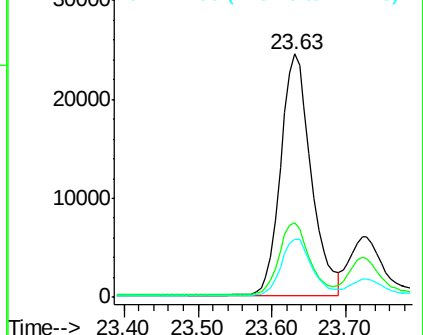
277 23.7 14.6 21.8#



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: 21.44 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

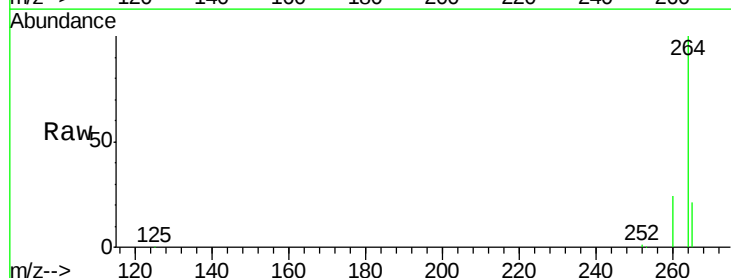
Tgt Ion: 264 Resp: 82108

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

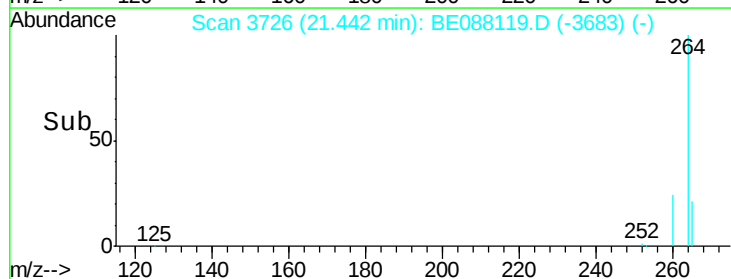
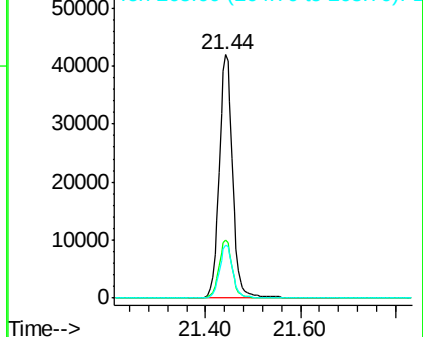
265 21.5 17.2 25.8

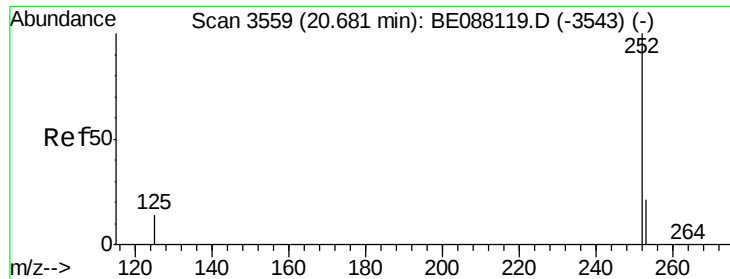


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 1.28 ng

RT: 20.68 min Scan# 3559

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

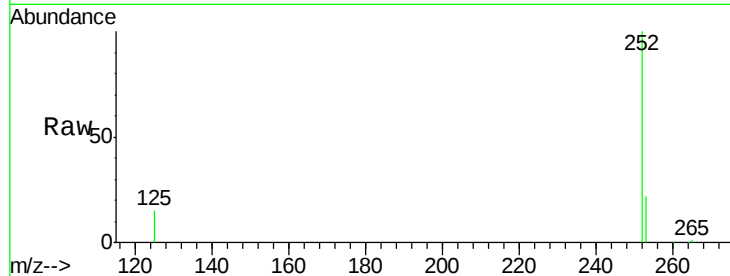
Tgt Ion:252 Resp: 19661

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

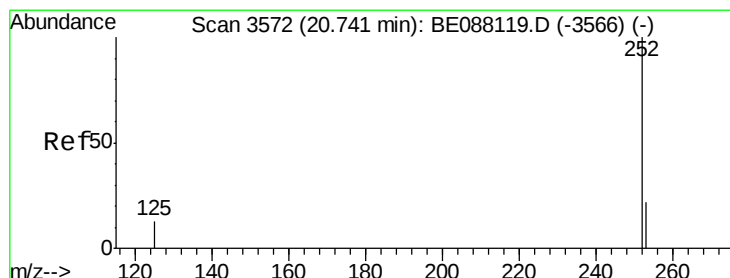
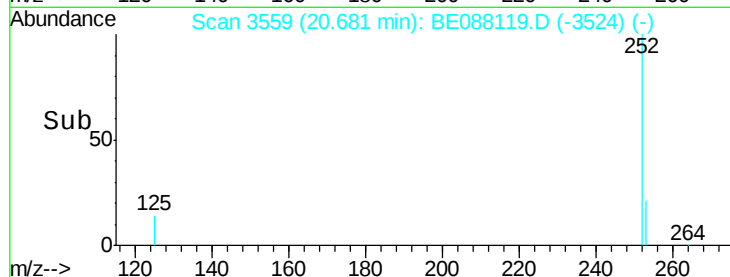
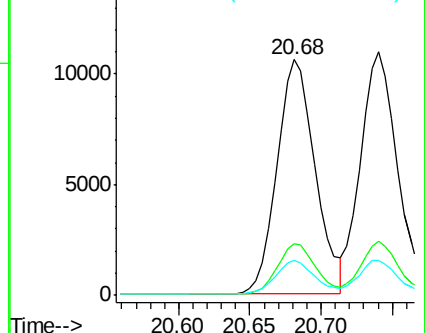
125 14.8 11.8 17.8



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: 0.98 ng

RT: 20.74 min Scan# 3572

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

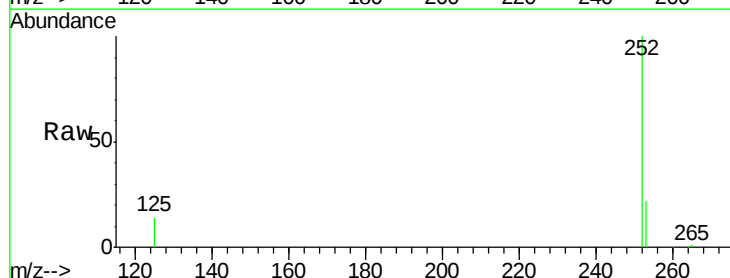
Tgt Ion:252 Resp: 20968

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

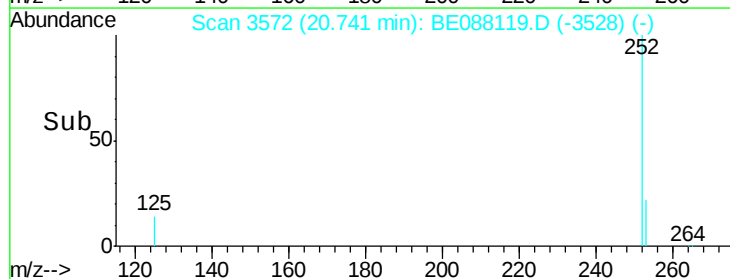
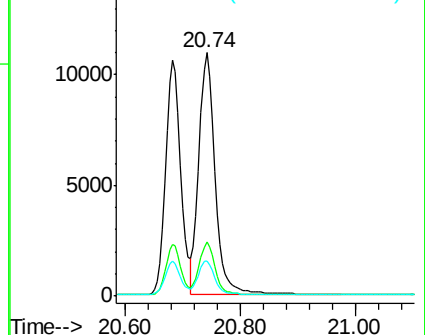
125 14.4 11.5 17.3



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: 1.39 ng

RT: 21.32 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

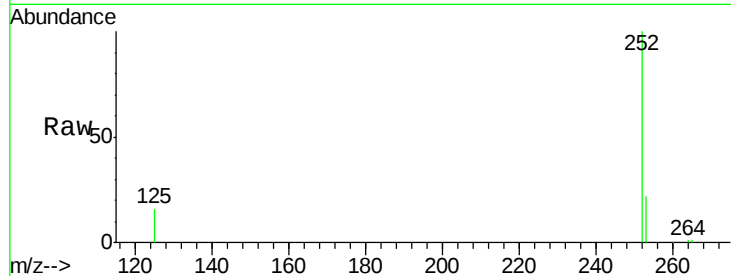
Tgt Ion:252 Resp: 18469

Ion Ratio Lower Upper

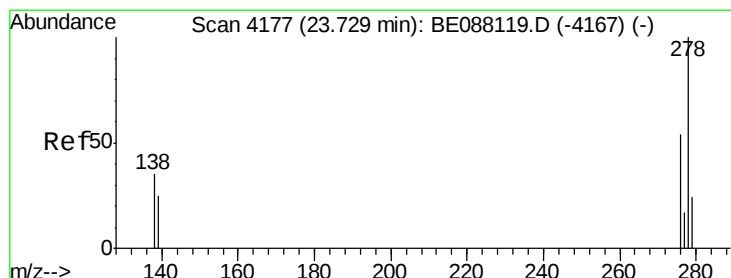
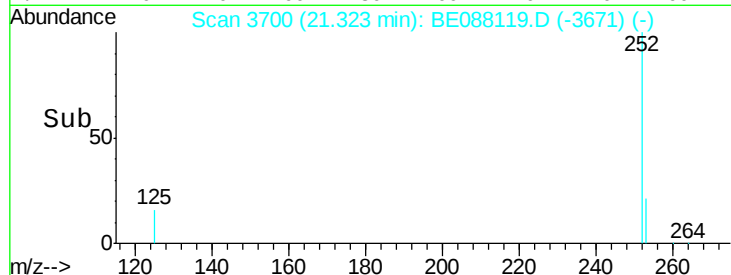
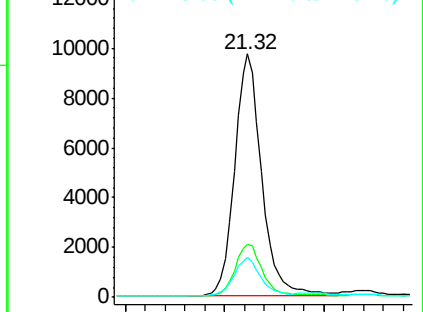
252 100

253 21.9 17.5 26.3

125 16.3 13.0 19.6



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: 1.26 ng

RT: 23.73 min Scan# 4177

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

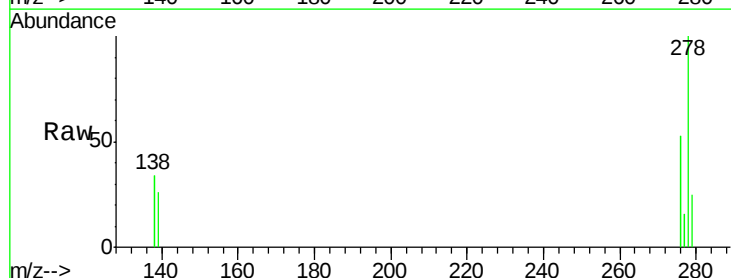
Tgt Ion:278 Resp: 17686

Ion Ratio Lower Upper

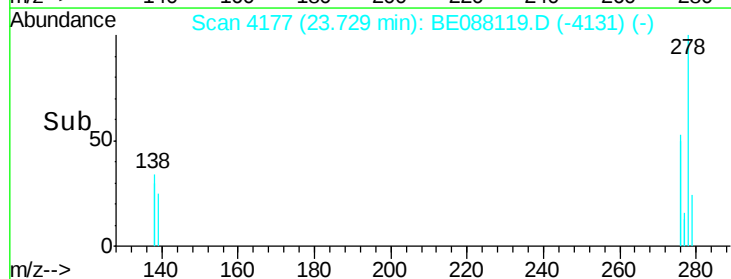
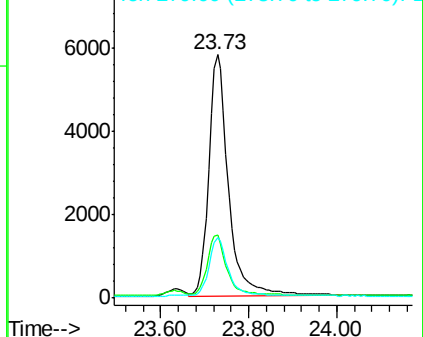
278 100

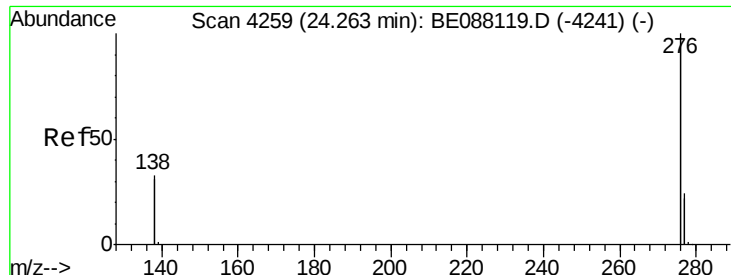
139 26.1 20.9 31.3

279 24.8 19.8 29.8



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: 1.16 ng

RT: 24.26 min Scan# 4259

Delta R.T. 0.00 min

Lab File: BE088119.D

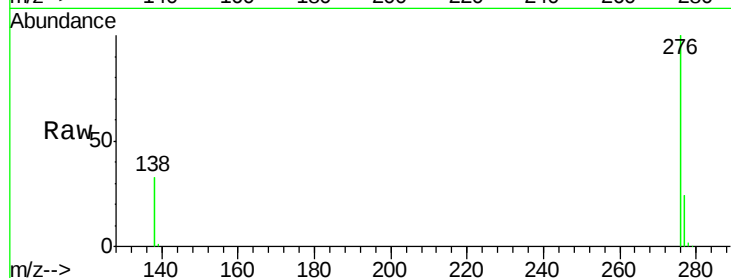
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



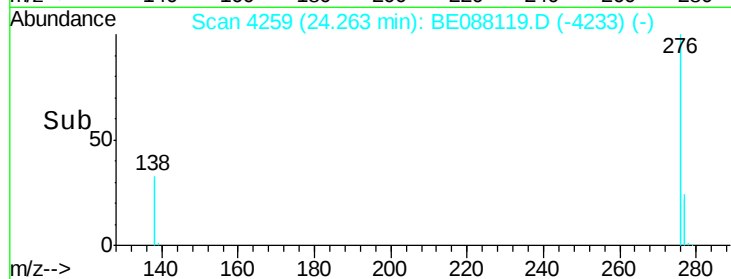
Tgt Ion: 276 Resp: 78333

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 33.3 26.6 40.0



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

