

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011515\
 Data File : BE089396.D
 Acq On : 15 Jan 2015 16:54
 Operator : TP/IZ
 Sample : SSTDICC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDICC002

Quant Time: Jan 16 05:29:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE011515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 16 05:21:30 2015
 Response via : Initial Calibration

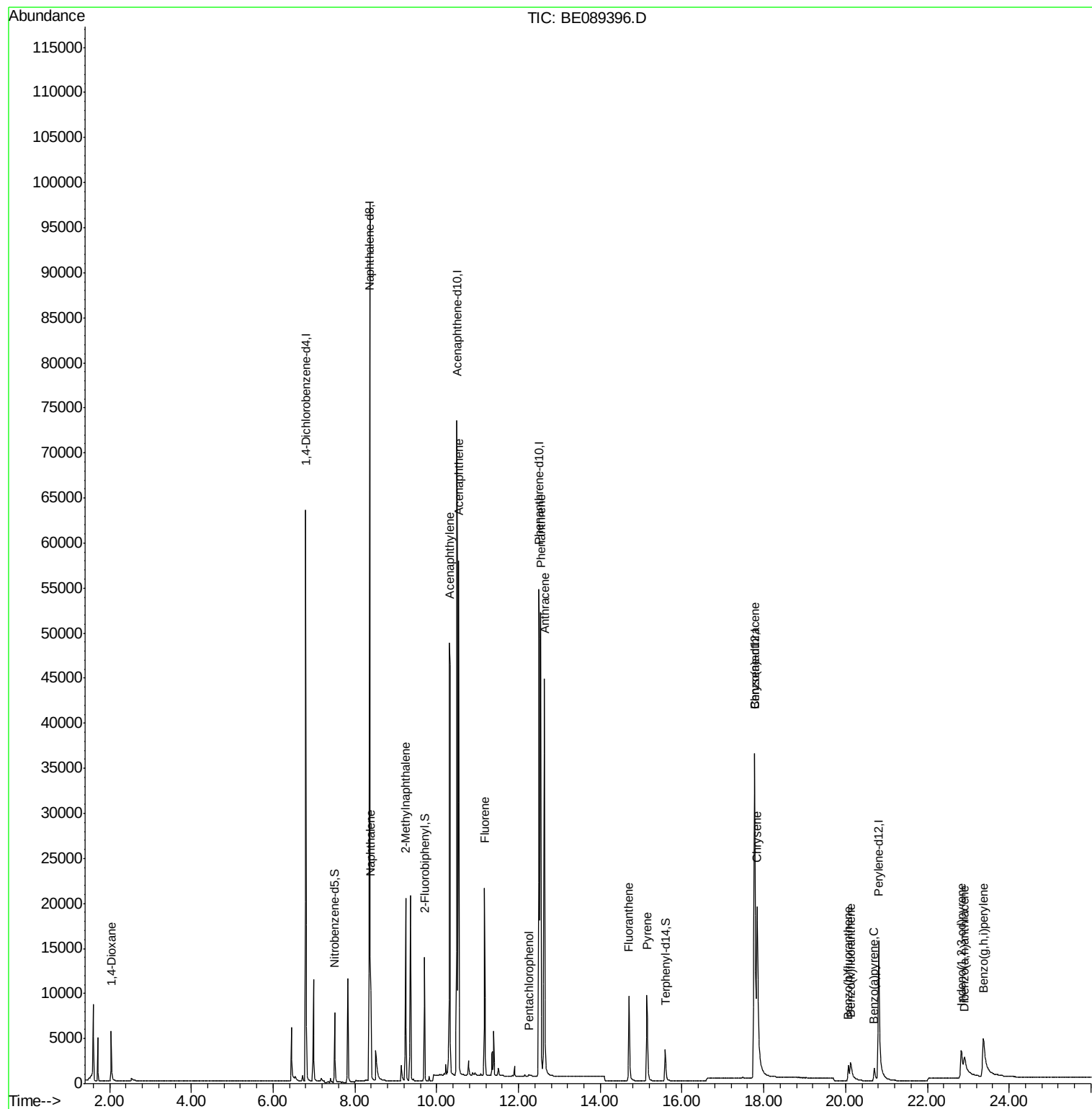
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	22488	5.00	ng	0.00
3) Naphthalene-d8	8.36	136	85684	5.00	ng	0.00
7) Acenaphthene-d10	10.49	164	39174	5.00	ng	0.00
12) Phenanthrene-d10	12.51	188	59090	5.00	ng	0.00
17) Chrysene-d12	17.78	240	38146	5.00	ng	0.00
23) Perylene-d12	20.81	264	29006	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.50	82	4449	0.80	ng	0.00
8) 2-Fluorobiphenyl	9.71	172	9746	0.91	ng	0.00
19) Terphenyl-d14	15.59	244	5643	0.88	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.04	88	3066	0.95	ng	100
5) Naphthalene	8.39	128	17833	0.94	ng	100
6) 2-Methylnaphthalene	9.24	142	10839	0.89	ng	100
9) Acenaphthylene	10.32	152	61945	0.94	ng	100
10) Acenaphthene	10.54	154	9537	0.94	ng	100
11) Fluorene	11.17	166	10206	0.96	ng	100
13) Pentachlorophenol	12.25	266	340	0.54	ng	100
14) Phenanthrene	12.55	178	57031	0.95	ng	100
15) Anthracene	12.63	178	52298	0.93	ng	100
16) Fluoranthene	14.70	202	10812	0.93	ng	100
18) Pyrene	15.14	202	11341	0.91	ng	100
20) Benzo(a)anthracene	17.77	228	24924	0.74	ng	100
21) Chrysene	17.84	228	37120	0.96	ng	100
22) Indeno(1,2,3-cd)pyrene	22.83	276	6542	0.28	ng	# 75
24) Benzo(b)fluoranthene	20.07	252	2923	0.58	ng	100
25) Benzo(k)fluoranthene	20.13	252	6785	0.86	ng	100
26) Benzo(a)pyrene	20.70	252	2985	0.60	ng	100
27) Dibenzo(a,h)anthracene	22.91	278	2221	0.56	ng	100
28) Benzo(g,h,i)perylene	23.37	276	15328	0.67	ng	100

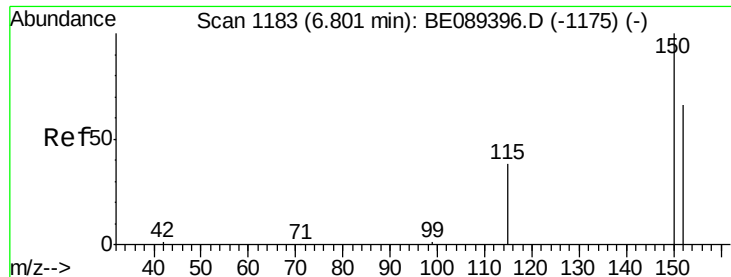
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011515\
Data File : BE089396.D
Acq On : 15 Jan 2015 16:54
Operator : TP/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDICCC002

Quant Time: Jan 16 05:29:16 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE011515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 16 05:21:30 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.80 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDIC002

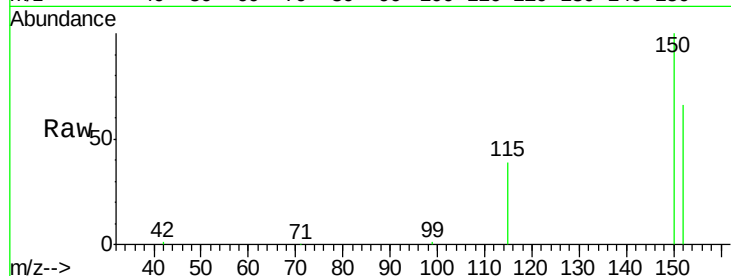
Tgt Ion: 152 Resp: 22488

Ion Ratio Lower Upper

152 100

150 152.4 121.9 182.9

115 58.8 47.0 70.6

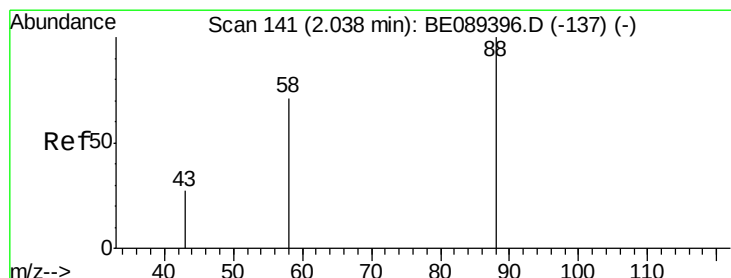
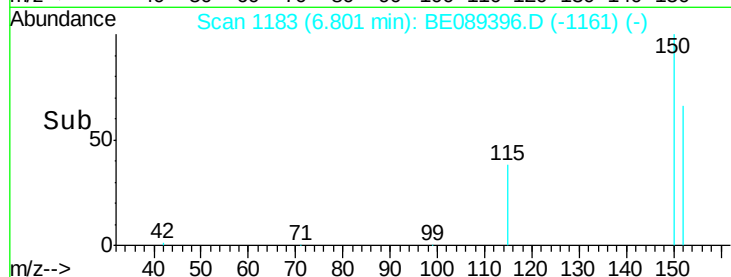
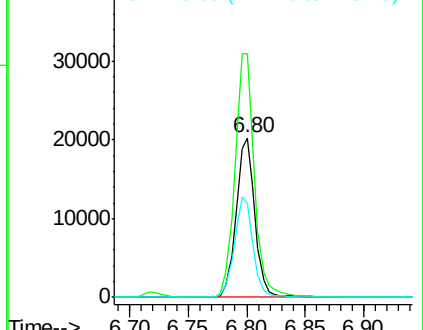


Abundance

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: 0.95 ng

RT: 2.04 min Scan# 141

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

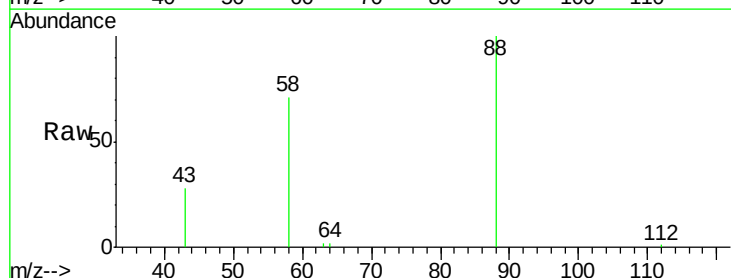
Tgt Ion: 88 Resp: 3066

Ion Ratio Lower Upper

88 100

58 80.7 64.6 96.8

43 32.1 25.7 38.5

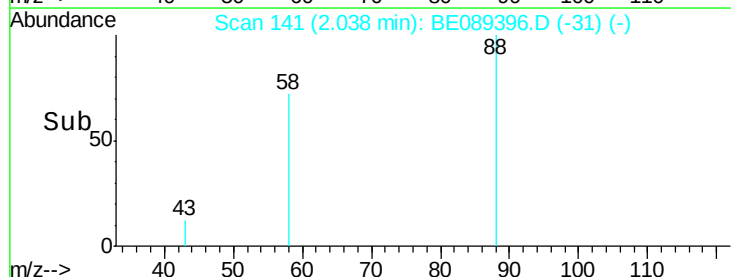
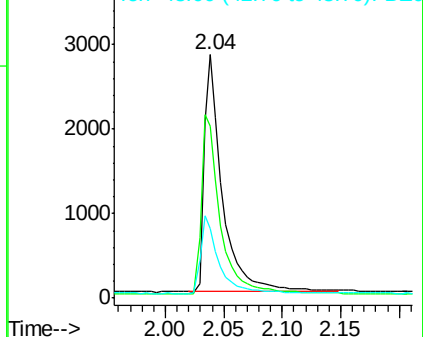


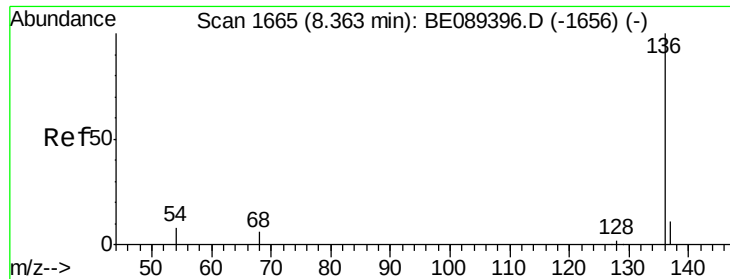
Abundance

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

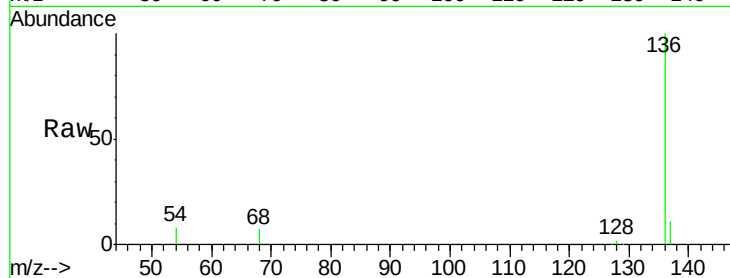




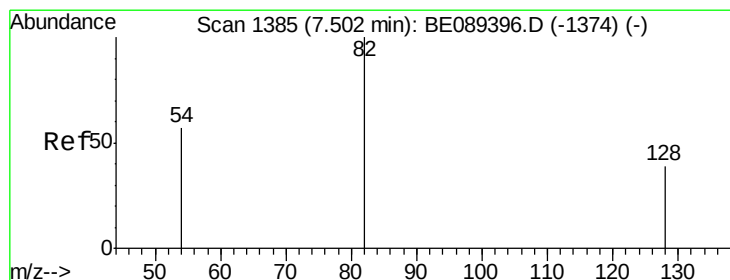
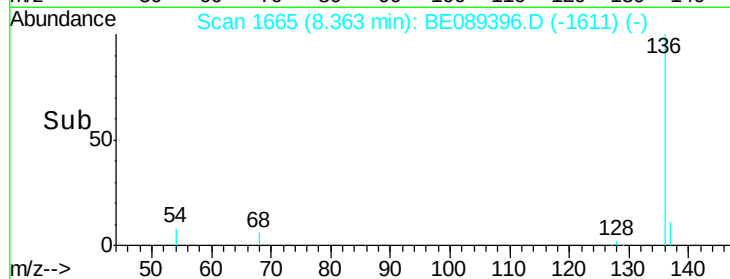
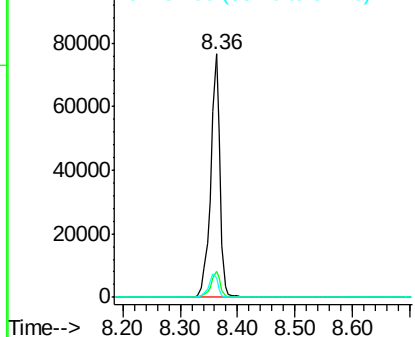
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.36 min Scan# 1665
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 15 Jan 2015 16:54

Instrument :
BNA_M
LabSampleId :
SSTDIC002

Tgt Ion: 136 Resp: 85684
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.1 6.5 9.7

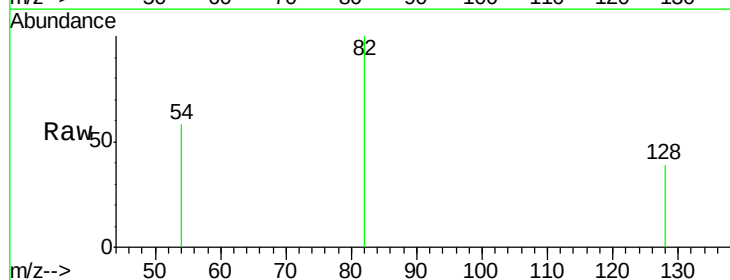


Abundance Ion 136.00 (135.70 to 136.70): BE0
Ion 137.00 (136.70 to 137.70): BE0
Ion 54.00 (53.70 to 54.70): BE0

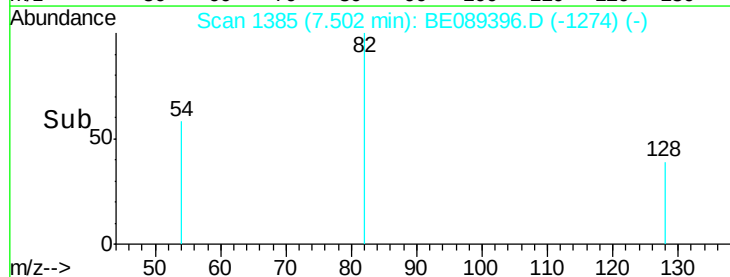
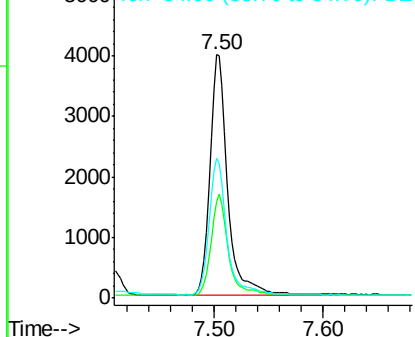


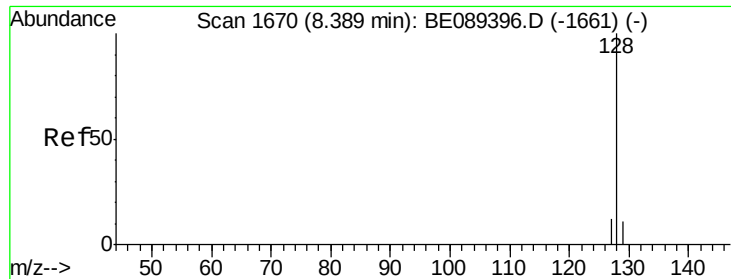
#4
Nitrobenzene-d5
Concen: 0.80 ng
RT: 7.50 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 15 Jan 2015 16:54

Tgt Ion: 82 Resp: 4449
Ion Ratio Lower Upper
82 100
128 39.4 31.5 47.3
54 57.7 46.2 69.2



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 0.94 ng

RT: 8.39 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

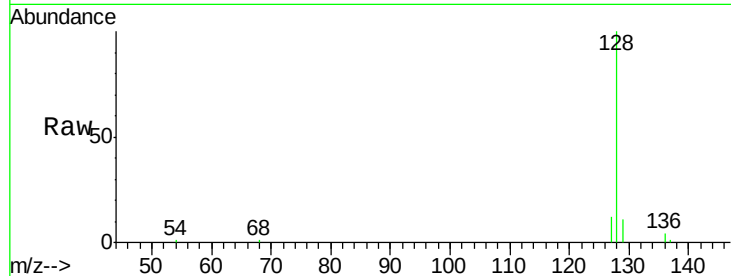
Tgt Ion:128 Resp: 17833

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

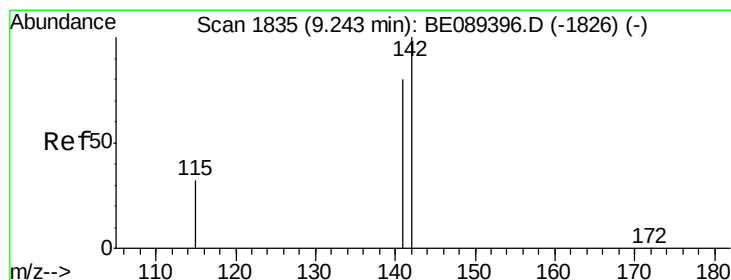
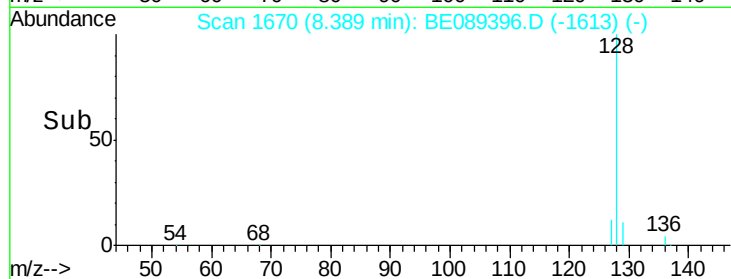
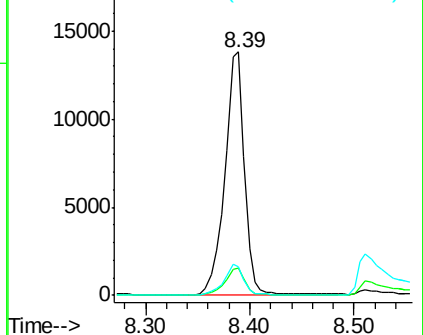
127 12.0 9.6 14.4



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: 0.89 ng

RT: 9.24 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

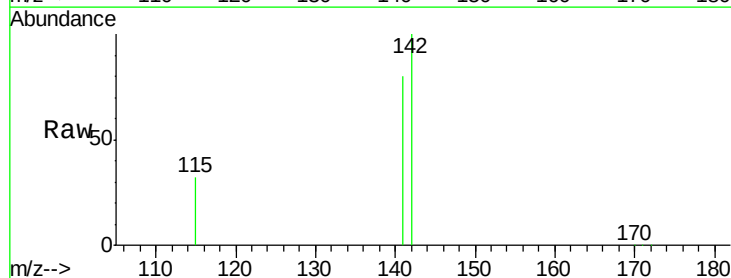
Tgt Ion:142 Resp: 10839

Ion Ratio Lower Upper

142 100

141 79.6 63.7 95.5

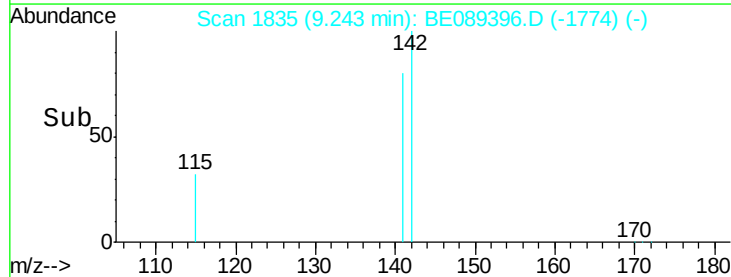
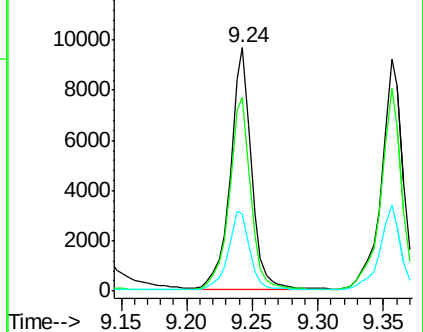
115 31.7 25.4 38.0

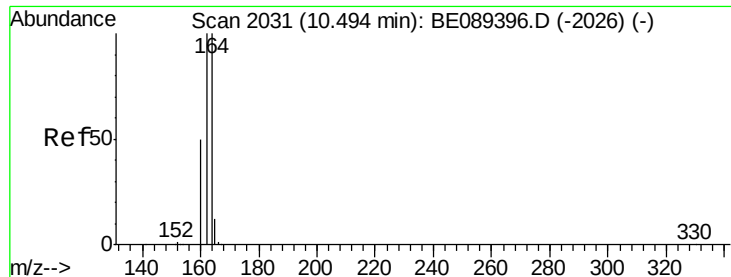


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.49 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

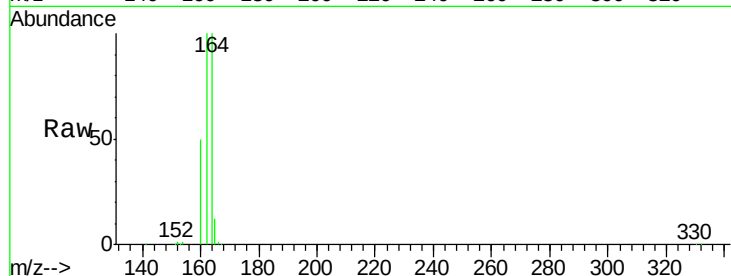
Tgt Ion:164 Resp: 39174

Ion Ratio Lower Upper

164 100

162 100.3 80.2 120.4

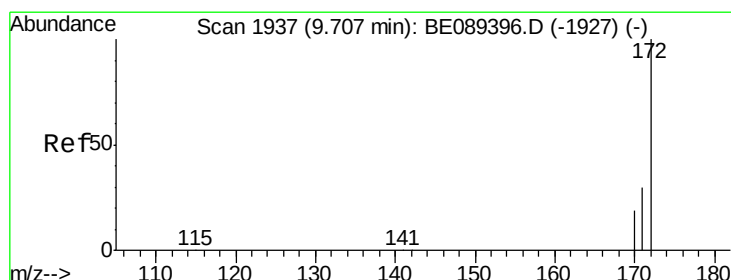
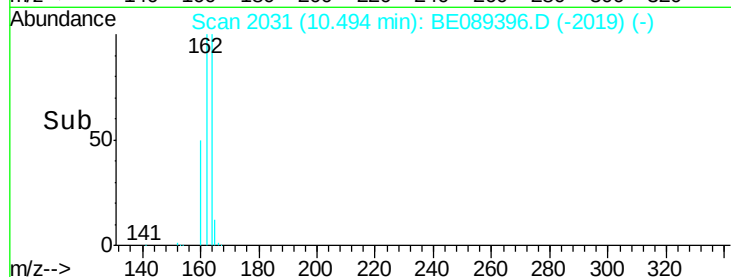
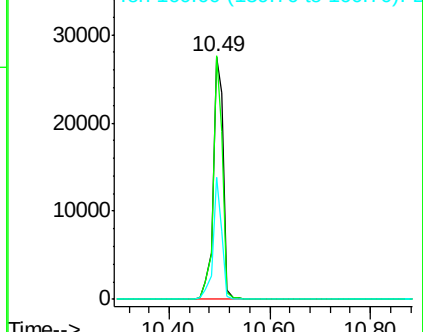
160 50.1 40.1 60.1



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: 0.91 ng

RT: 9.71 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

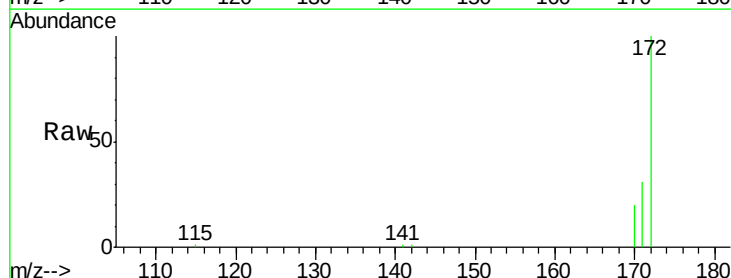
Tgt Ion:172 Resp: 9746

Ion Ratio Lower Upper

172 100

171 30.5 24.4 36.6

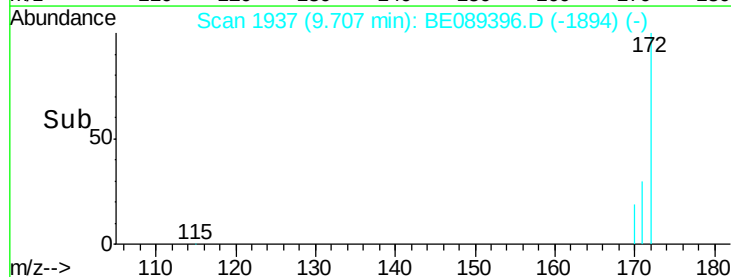
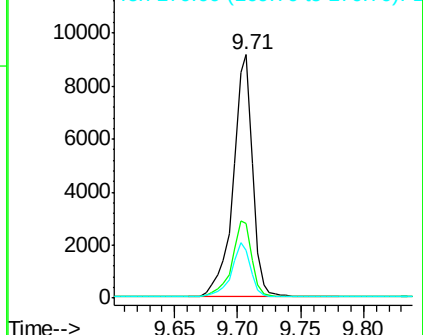
170 19.7 15.8 23.6

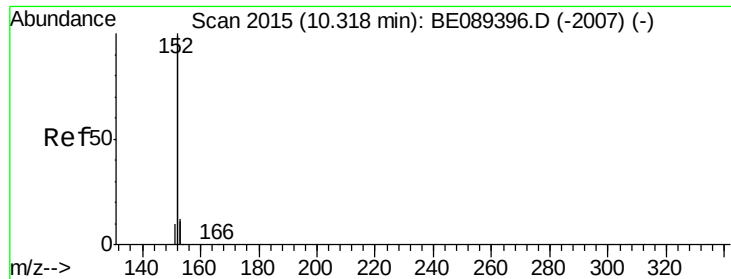


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 0.94 ng

RT: 10.32 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

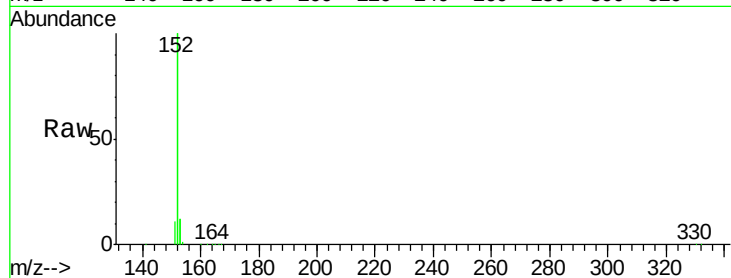
Tgt Ion:152 Resp: 61945

Ion Ratio Lower Upper

152 100

151 4.6 3.7 5.5

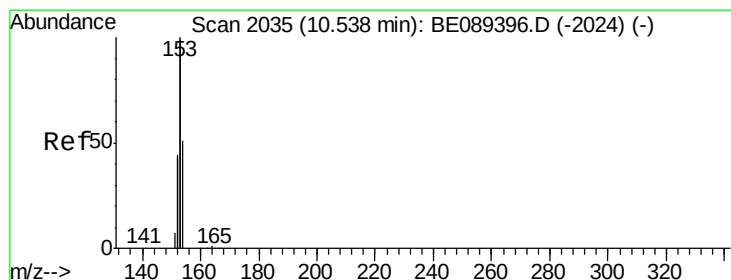
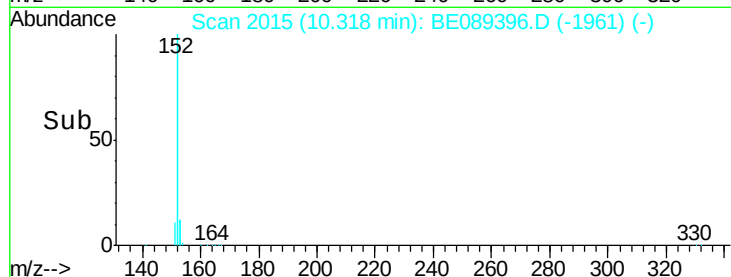
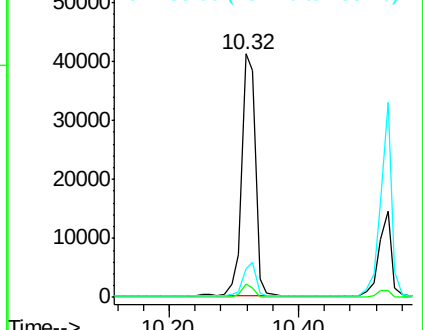
153 12.8 10.2 15.4



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



#10

Acenaphthene

Concen: 0.94 ng

RT: 10.54 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

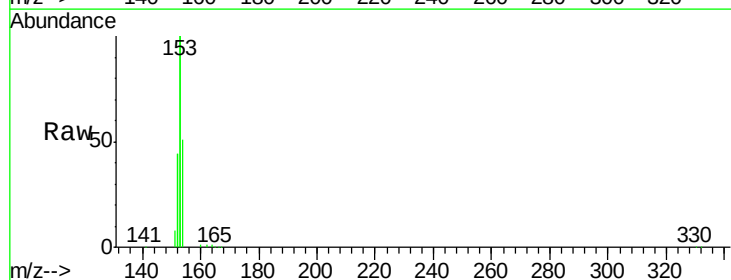
Tgt Ion:154 Resp: 9537

Ion Ratio Lower Upper

154 100

153 408.7 327.0 490.4

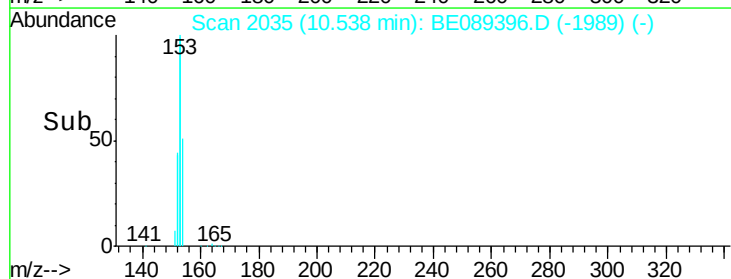
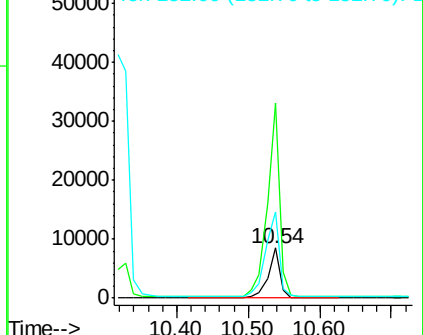
152 202.8 162.2 243.4

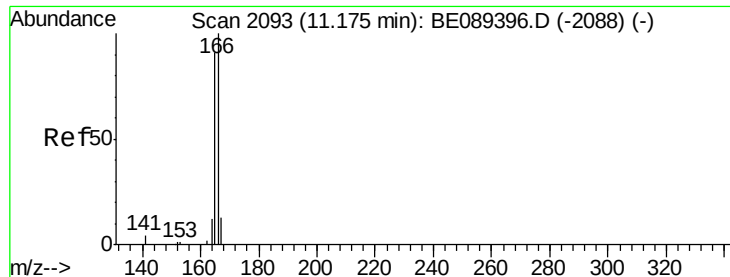


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#11

Fluorene

Concen: 0.96 ng

RT: 11.17 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

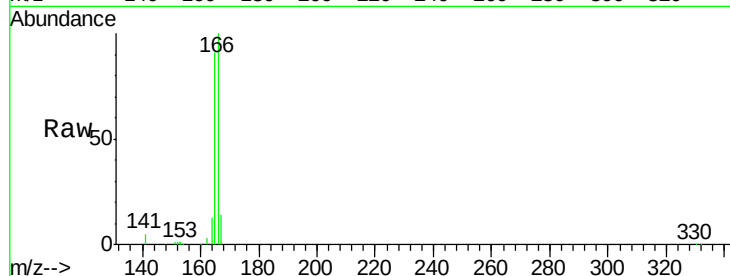
Tgt Ion:166 Resp: 10206

Ion Ratio Lower Upper

166 100

165 90.6 72.5 108.7

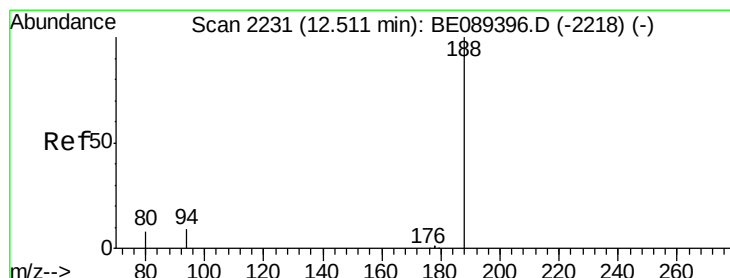
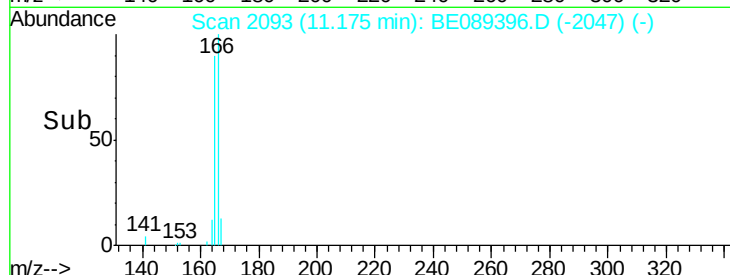
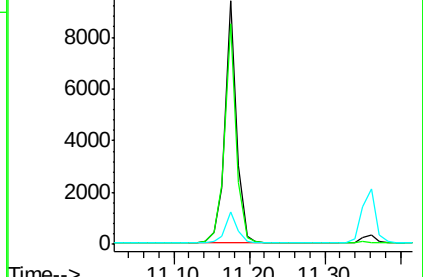
167 13.4 10.7 16.1



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: 12.51 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

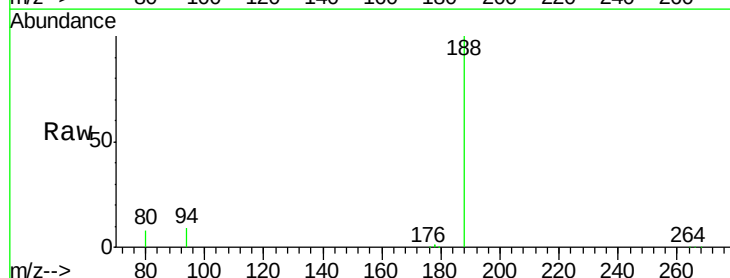
Tgt Ion:188 Resp: 59090

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

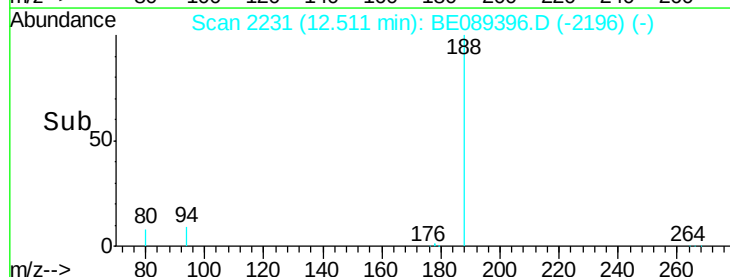
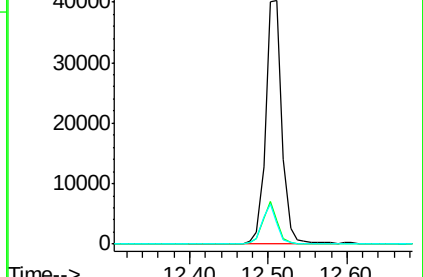
80 8.5 6.8 10.2

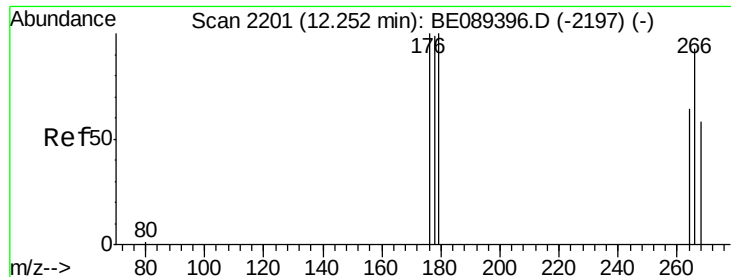


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

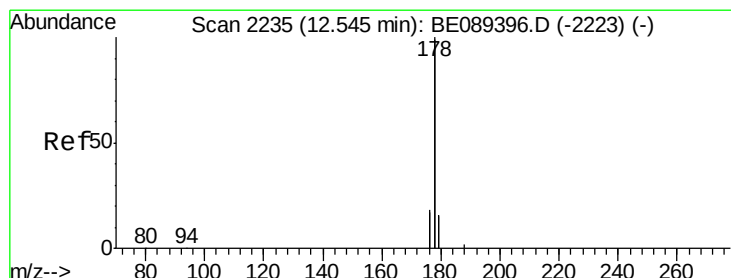
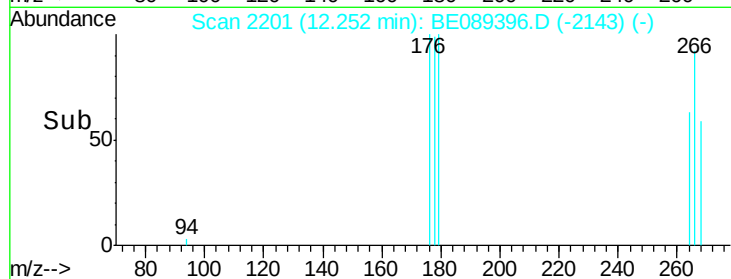
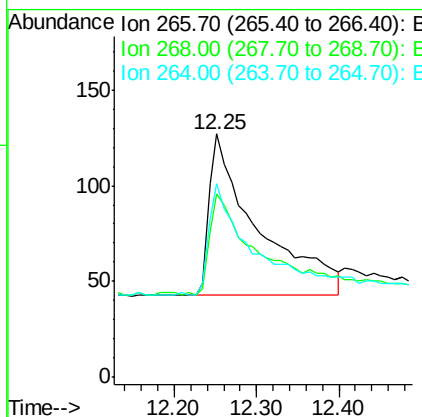
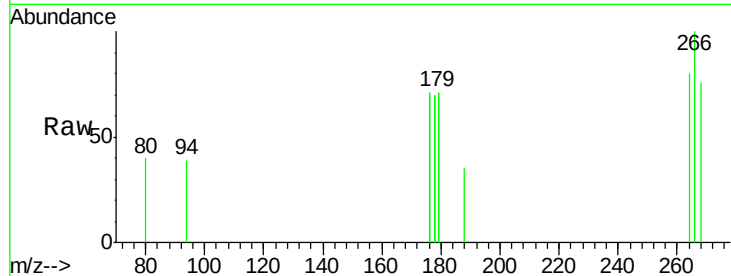




#13
 Pentachlorophenol
 Concen: 0.54 ng
 RT: 12.25 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 15 Jan 2015 16:54

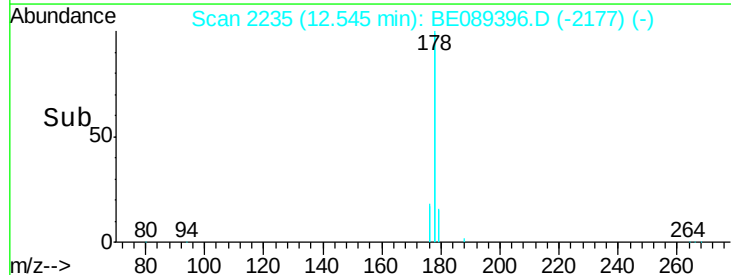
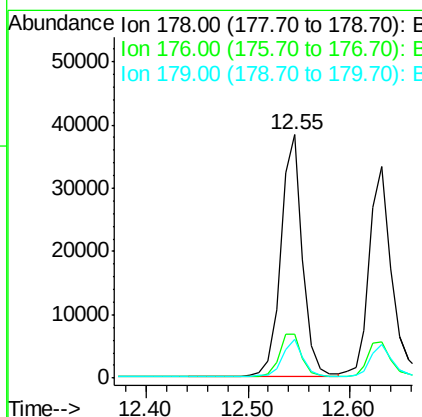
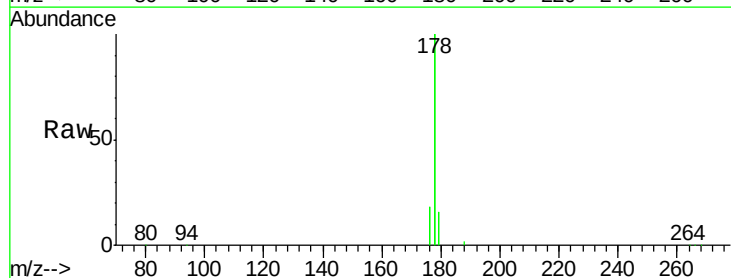
Instrument :
 BNA_M
 LabSampleId :
 SSTDICC002

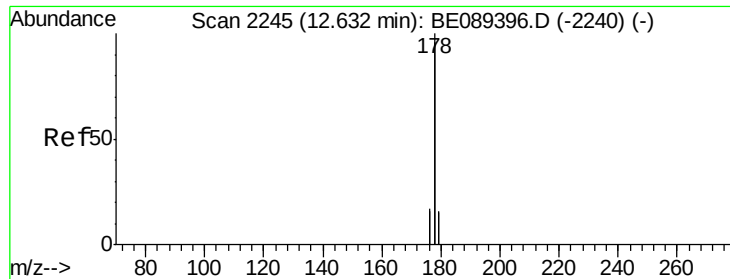
Tgt Ion: 266 Resp: 340
 Ion Ratio Lower Upper
 266 100
 268 75.6 60.5 90.7
 264 79.5 63.6 95.4



#14
 Phenanthrene
 Concen: 0.95 ng
 RT: 12.55 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 15 Jan 2015 16:54

Tgt Ion: 178 Resp: 57031
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.4 12.3 18.5





#15

Anthracene

Concen: 0.93 ng

RT: 12.63 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

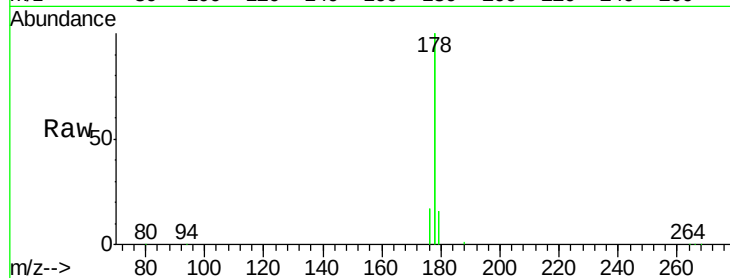
Tgt Ion:178 Resp: 52298

Ion Ratio Lower Upper

178 100

176 18.0 14.4 21.6

179 15.0 12.0 18.0

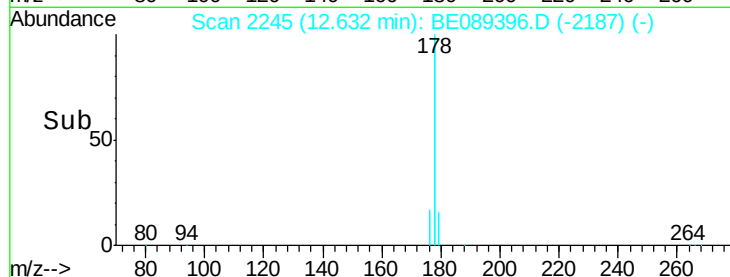


Abundance Ion 178.00 (177.70 to 178.70): E

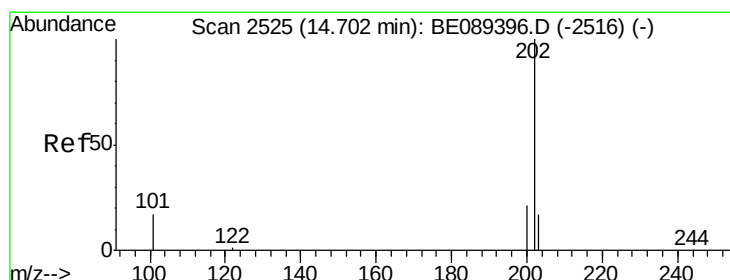
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

12.63



Time-->



#16

Fluoranthene

Concen: 0.93 ng

RT: 14.70 min Scan# 2525

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

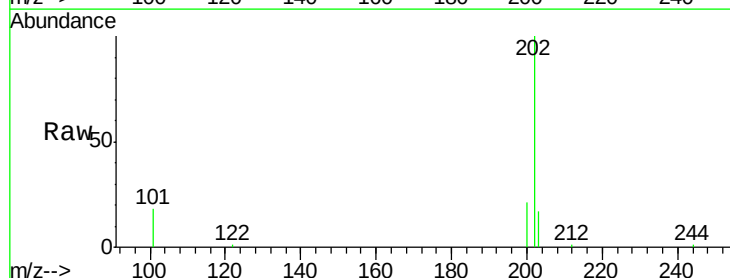
Tgt Ion:202 Resp: 10812

Ion Ratio Lower Upper

202 100

101 16.5 13.2 19.8

203 16.9 13.5 20.3

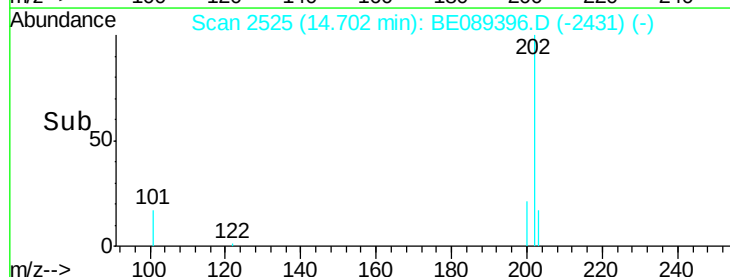


Abundance Ion 202.00 (201.70 to 202.70): E

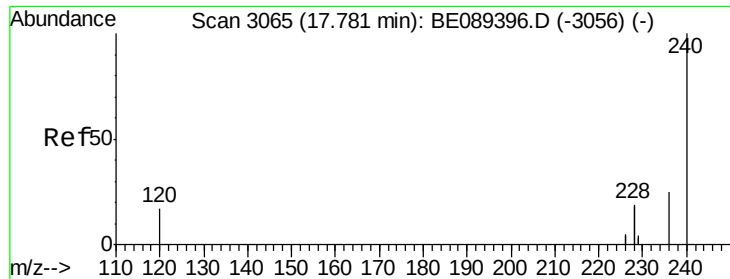
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

14.70



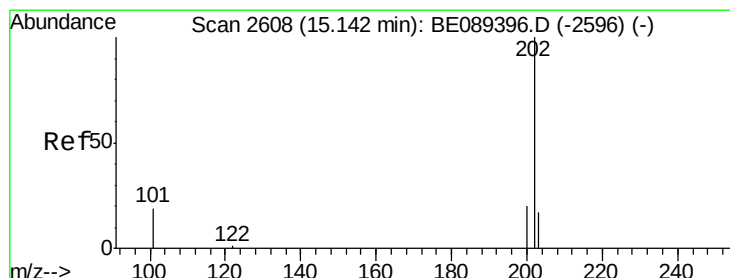
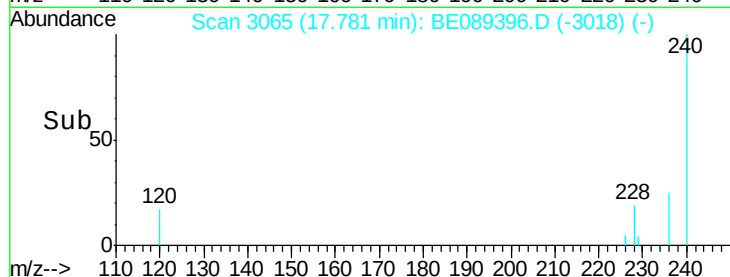
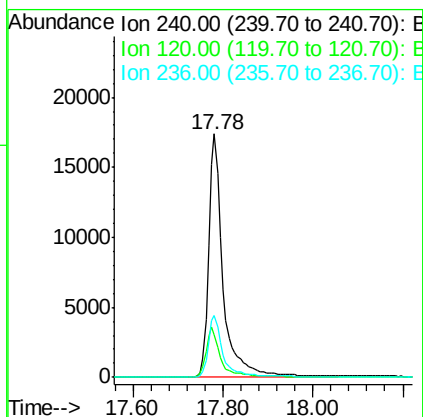
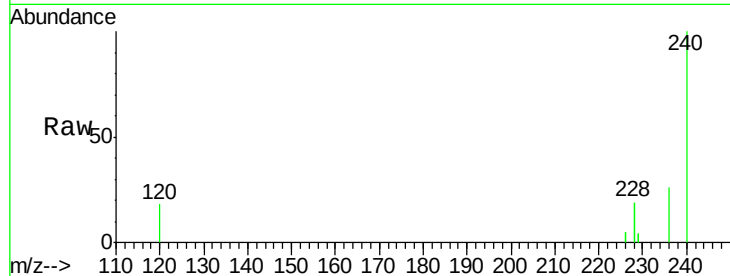
Time-->



#17
Chrysene-d12
 Concen: 5.00 ng
 RT: 17.78 min Scan# 3065
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 15 Jan 2015 16:54

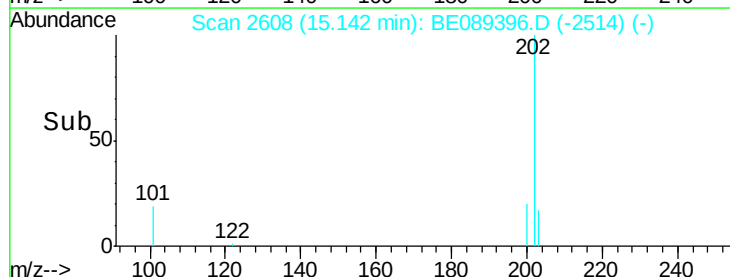
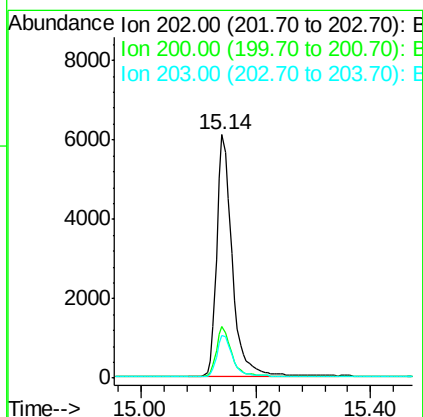
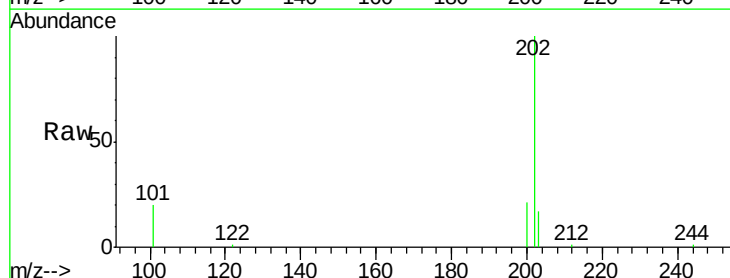
Instrument :
 BNA_M
 LabSampleId :
 SSTDICC002

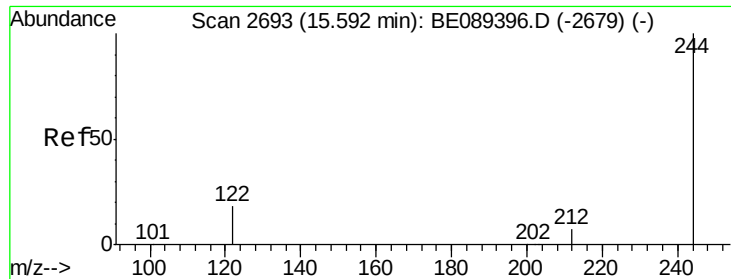
Tgt Ion:240 Resp: 38146
 Ion Ratio Lower Upper
 240 100
 120 17.7 14.2 21.2
 236 25.7 20.6 30.8



#18
Pyrene
 Concen: 0.91 ng
 RT: 15.14 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 15 Jan 2015 16:54

Tgt Ion:202 Resp: 11341
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.2
 203 17.1 13.7 20.5





#19

Terphenyl-d14

Concen: 0.88 ng

RT: 15.59 min Scan# 2693

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

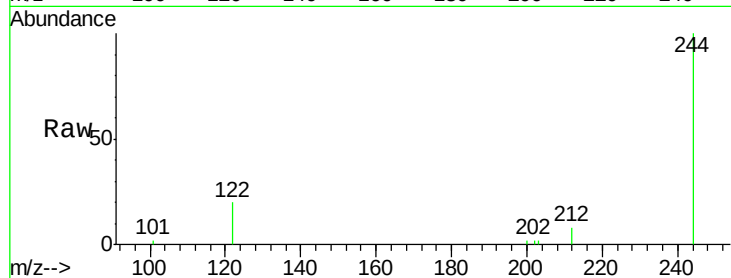
Tgt Ion:244 Resp: 5643

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

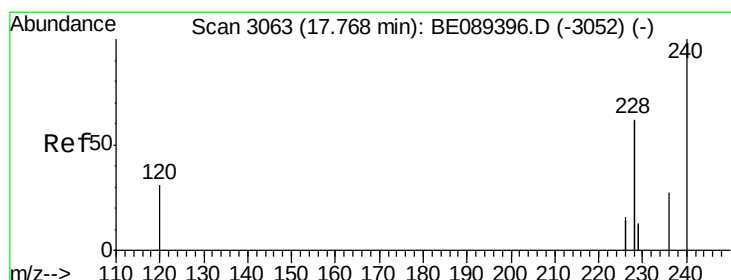
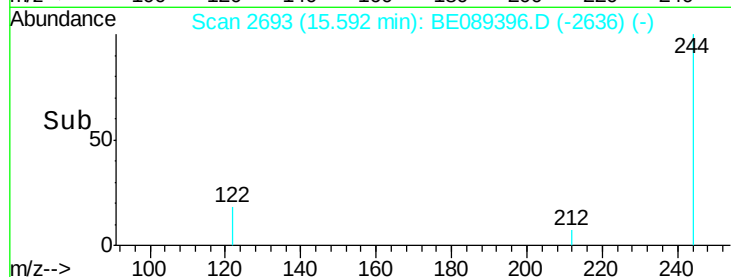
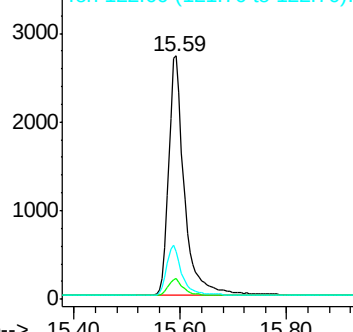
122 19.6 15.7 23.5



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



#20

Benzo(a)anthracene

Concen: 0.74 ng

RT: 17.77 min Scan# 3063

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

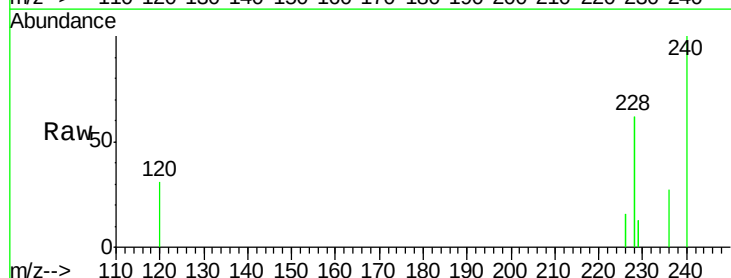
Tgt Ion:228 Resp: 24924

Ion Ratio Lower Upper

228 100

226 25.8 20.6 31.0

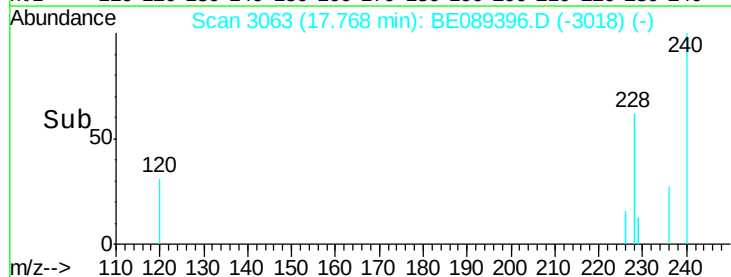
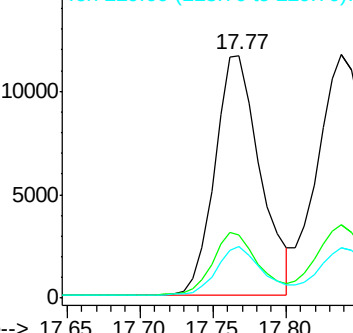
229 21.4 17.1 25.7

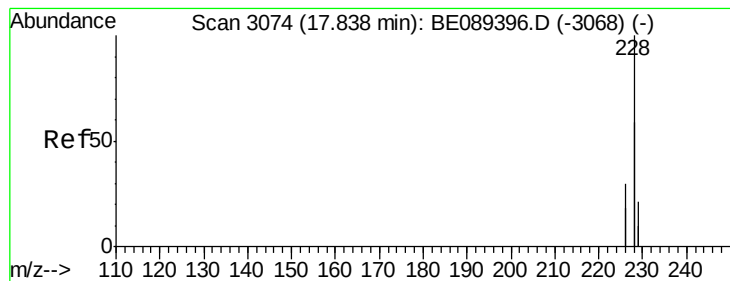


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.96 ng

RT: 17.84 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDIC002

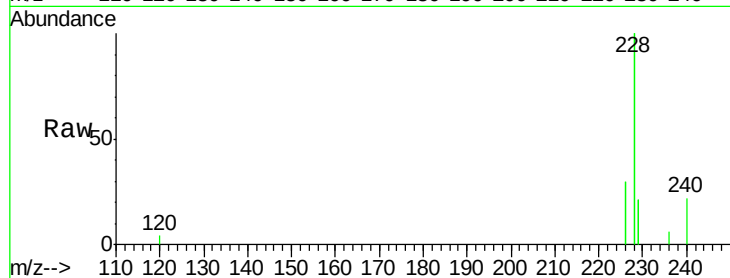
Tgt Ion:228 Resp: 37120

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.4

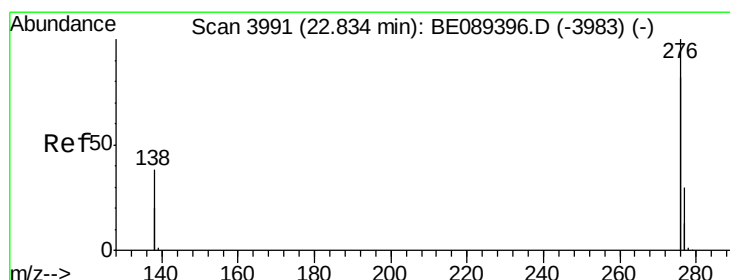
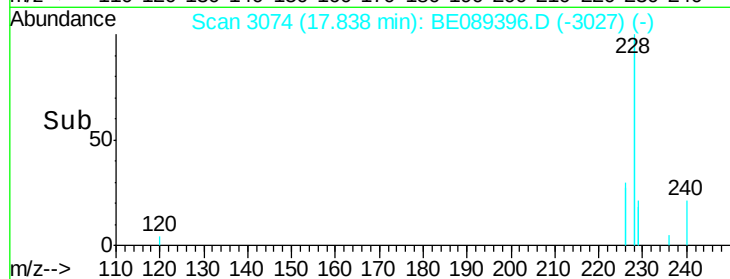
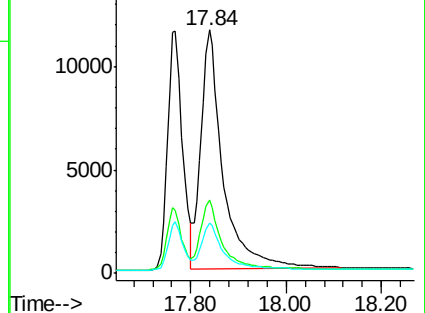
229 20.6 16.5 24.7



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



#22

Indeno(1,2,3-cd)pyrene

Concen: 0.28 ng

RT: 22.83 min Scan# 3991

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

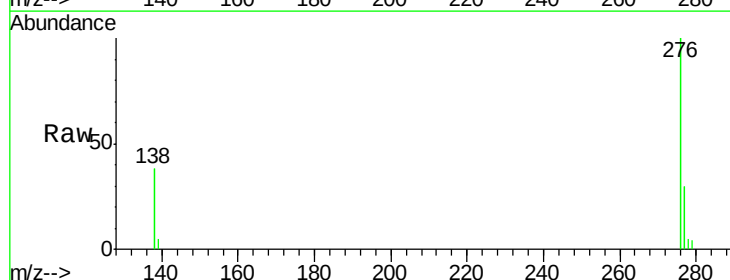
Tgt Ion:276 Resp: 6542

Ion Ratio Lower Upper

276 100

138 31.0 15.0 22.6#

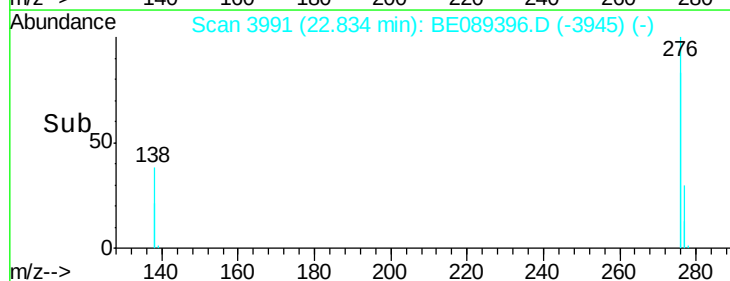
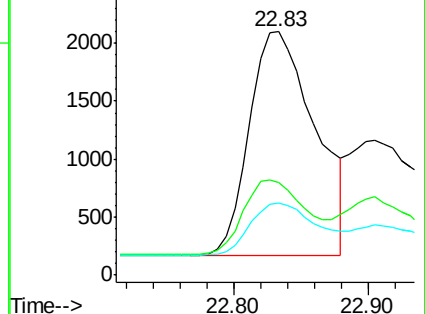
277 23.7 11.4 17.2#

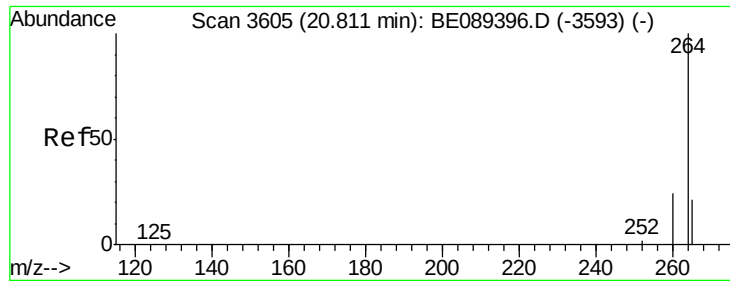


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

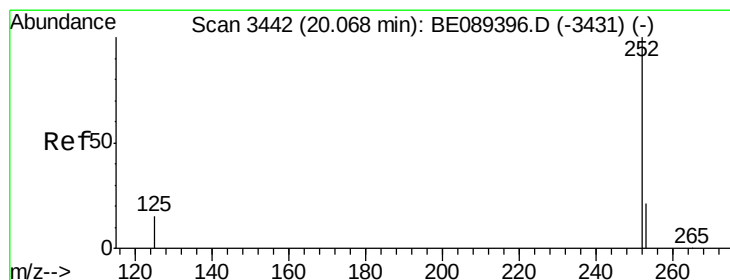
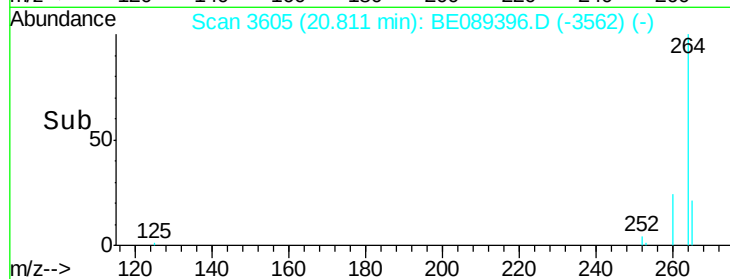
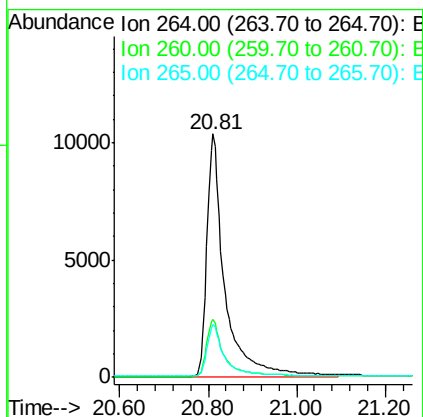
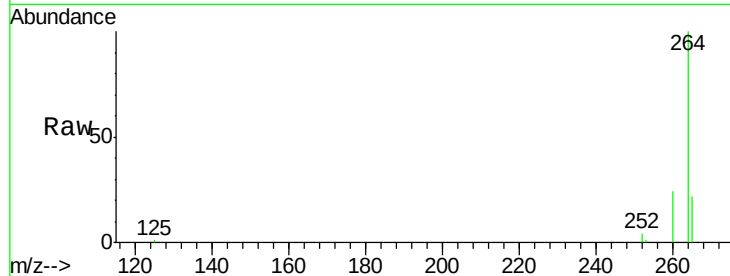




#23
Perylene-d12
 Concen: 5.00 ng
 RT: 20.81 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 15 Jan 2015 16:54

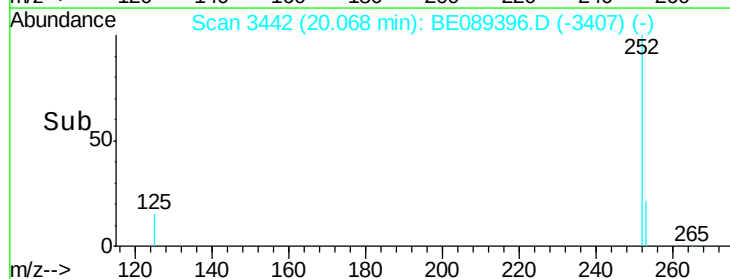
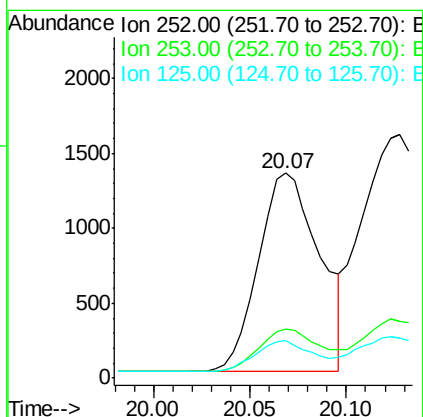
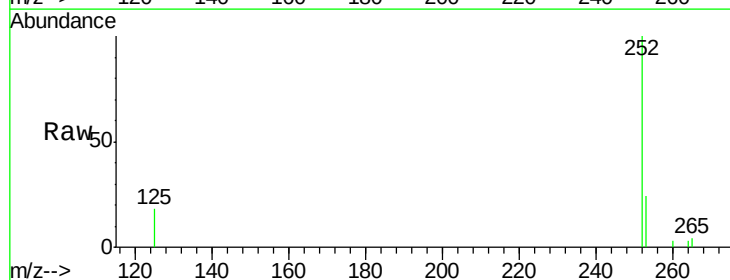
Instrument :
 BNA_M
 LabSampleId :
 SSTDICC002

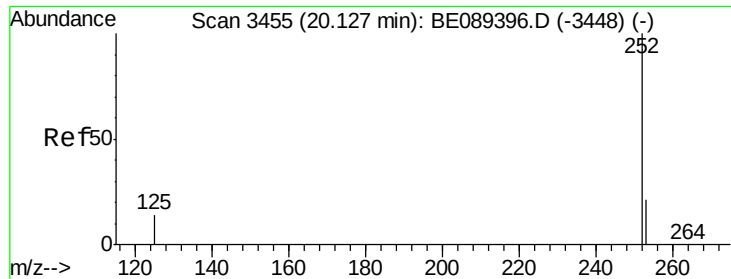
Tgt Ion: 264 Resp: 29006
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.6 17.3 25.9



#24
Benzo(b)fluoranthene
 Concen: 0.58 ng
 RT: 20.07 min Scan# 3442
 Delta R.T. 0.00 min
 Lab File: BE089396.D
 Acq: 15 Jan 2015 16:54

Tgt Ion: 252 Resp: 2923
 Ion Ratio Lower Upper
 252 100
 253 23.9 19.1 28.7
 125 18.1 14.5 21.7





#25

Benzo(k)fluoranthene

Concen: 0.86 ng

RT: 20.13 min Scan# 3455

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

Instrument :

BNA_M

LabSampleId :

SSTDICC002

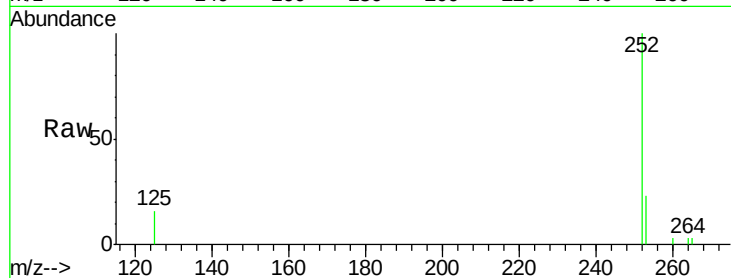
Tgt Ion:252 Resp: 6785

Ion Ratio Lower Upper

252 100

253 23.4 18.7 28.1

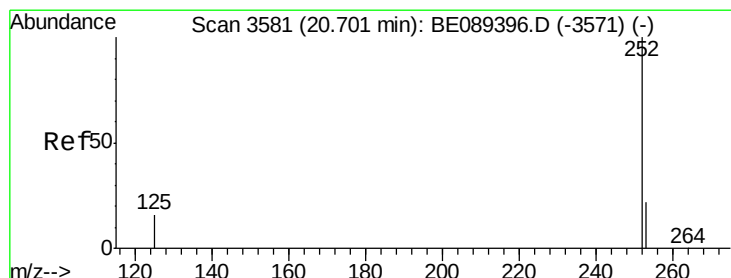
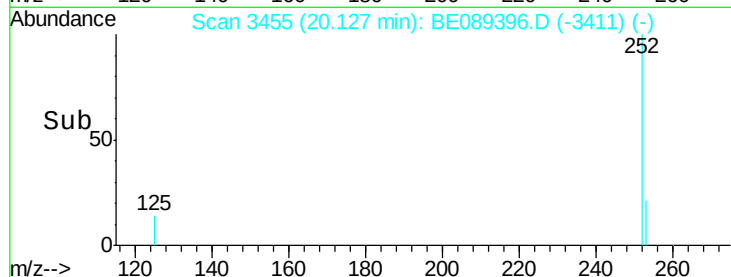
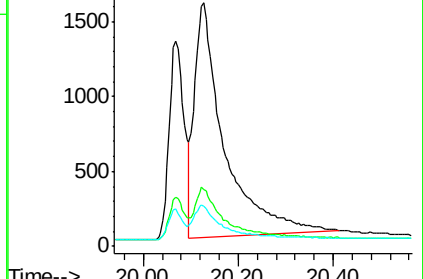
125 16.4 13.1 19.7



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

Benzo(a)pyrene

Concen: 0.60 ng

RT: 20.70 min Scan# 3581

Delta R.T. 0.00 min

Lab File: BE089396.D

Acq: 15 Jan 2015 16:54

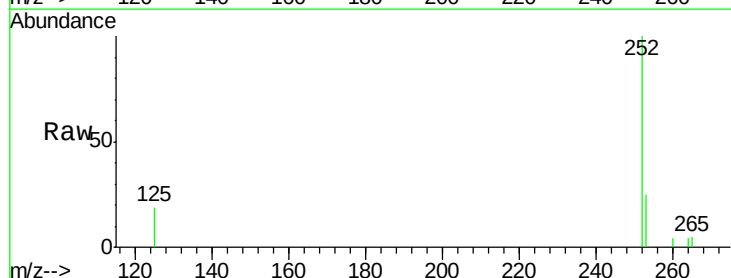
Tgt Ion:252 Resp: 2985

Ion Ratio Lower Upper

252 100

253 25.0 20.0 30.0

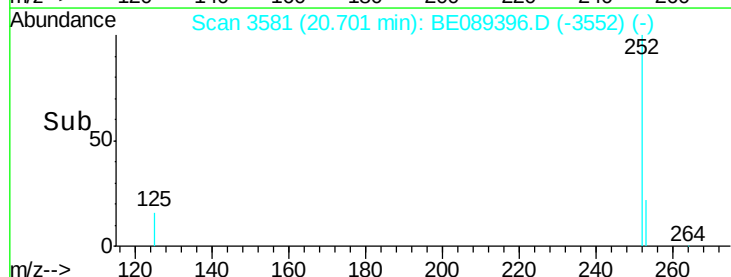
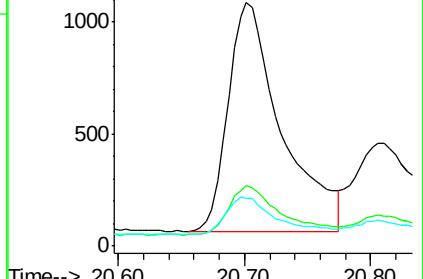
125 19.3 15.4 23.2

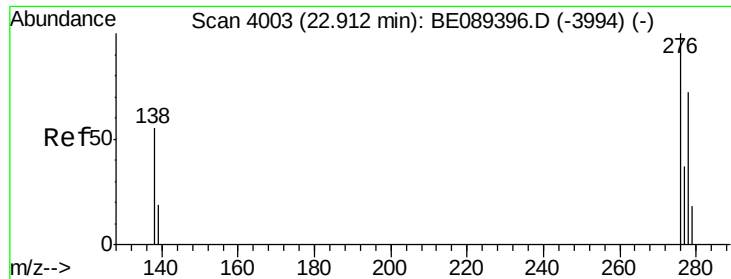


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



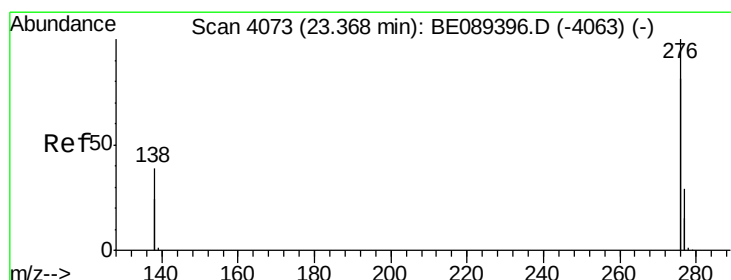
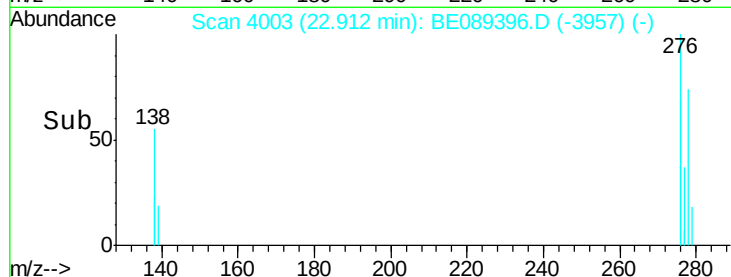
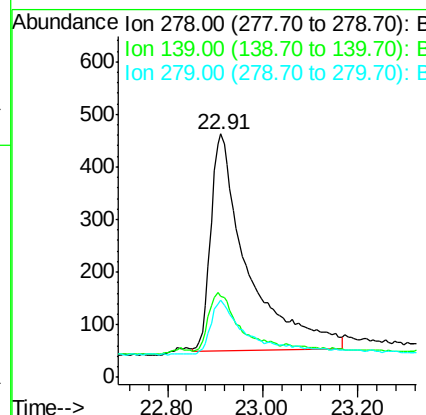
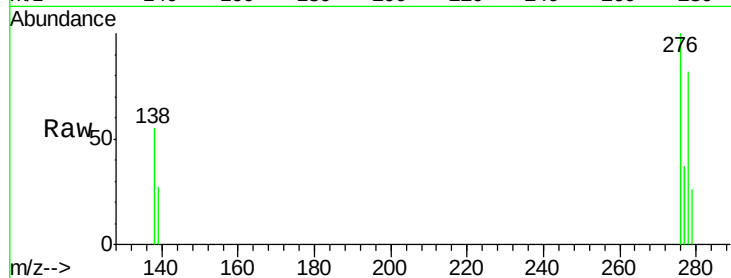


#27
Dibenzo(a,h)anthracene
Concen: 0.56 ng
RT: 22.91 min Scan# 4003
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 15 Jan 2015 16:54

Instrument :
BNA_M
LabSampleId :
SSTDICC002

Tgt Ion: 278 Resp: 2221

Ion	Ratio	Lower	Upper
278	100		
139	33.5	26.8	40.2
279	31.7	25.4	38.0



#28
Benzo(g,h,i)perylene
Concen: 0.67 ng
RT: 23.37 min Scan# 4073
Delta R.T. 0.00 min
Lab File: BE089396.D
Acq: 15 Jan 2015 16:54

Tgt Ion: 276 Resp: 15328

Ion	Ratio	Lower	Upper
276	100		
277	28.6	22.9	34.3
138	39.0	31.2	46.8

