

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089673.D
 Acq On : 24 Feb 2015 16:21
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 25 13:28:50 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 24 16:10:11 2015
 Response via : Initial Calibration

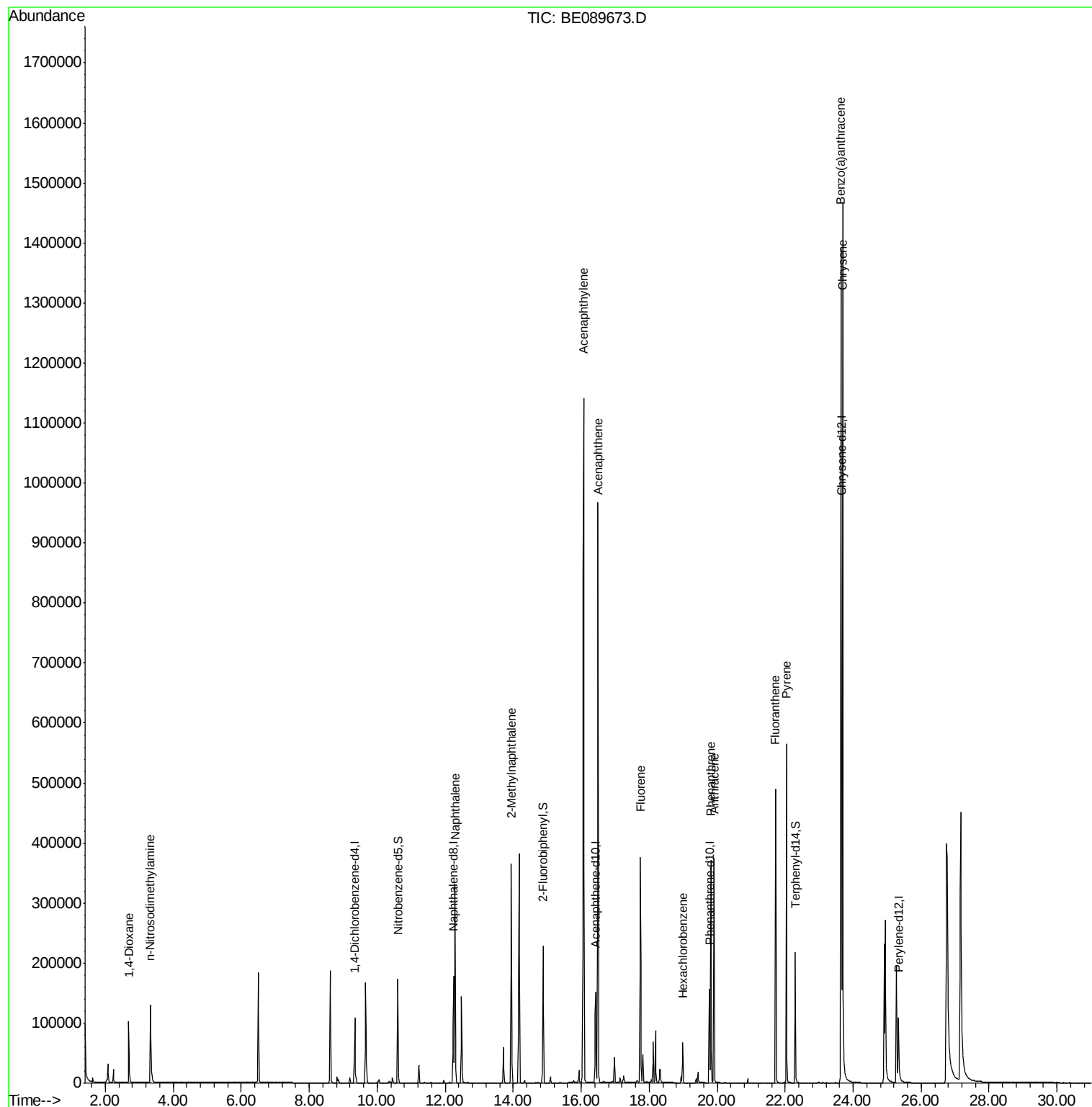
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	46946	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	202056	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	92041	5.00	ng	0.01
13) Phenanthrene-d10	19.77	188	161469	5.00	ng	0.00
19) Chrysene-d12	23.66	240	138864	5.00	ng	0.00
25) Perylene-d12	25.34	264	103139	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	122868	10.92	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	205699	8.46	ng	0.00
21) Terphenyl-d14	22.30	244	179632	11.19	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.69	88	56003	9.45	ng	99
3) n-Nitrosodimethylamine	3.32	42	79443	11.21	ng	93
6) Naphthalene	12.29	128	389692	9.96	ng	99
7) 2-Methylnaphthalene	13.95	142	243900	11.14	ng	99
10) Acenaphthylene	16.07	152	1469019	11.30	ng	100
11) Acenaphthene	16.50	154	214419	10.28	ng	98
12) Fluorene	17.74	166	246280	10.70	ng	100
14) Hexachlorobenzene	19.00	284	43037	10.34	ng	98
16) Phenanthrene	19.81	178	350320	10.19	ng	99
17) Anthracene	19.91	178	341956	11.95	ng	100
18) Fluoranthene	21.72	202	340725	12.17	ng	99
20) Pyrene	22.04	202	364756	11.00	ng	99
22) Benzo(a)anthracene	23.64	228	1140481	12.95	ng	99
23) Chrysene	23.69	228	1182275	9.31	ng	96

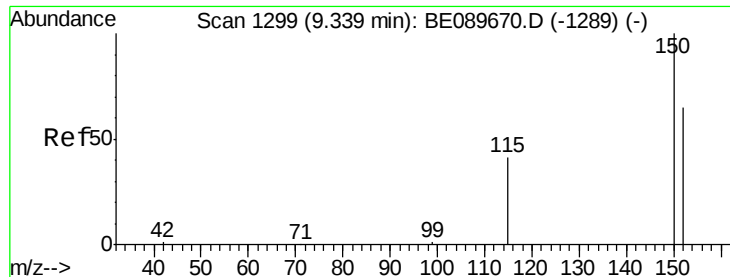
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089673.D

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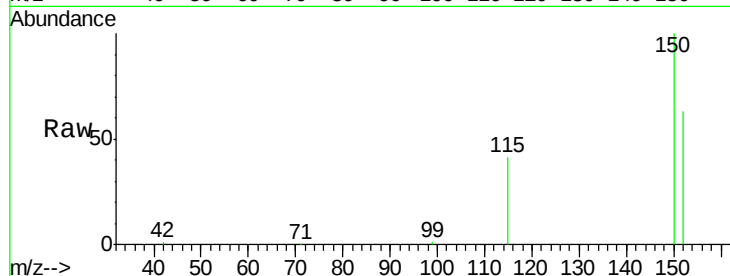
Tgt Ion:152 Resp: 46946

Ion Ratio Lower Upper

152 100

150 158.4 123.4 185.0

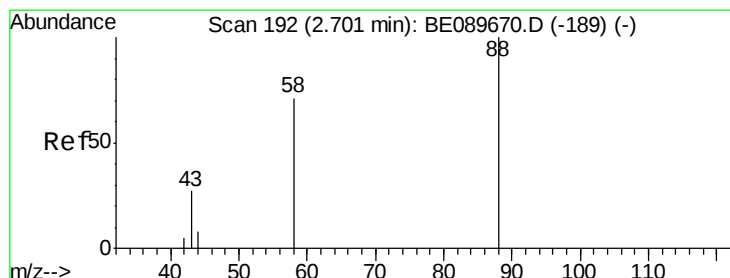
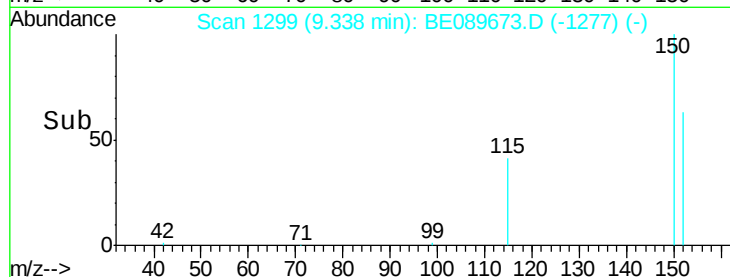
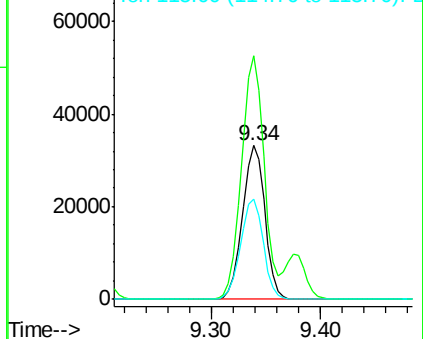
115 65.6 50.8 76.2



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: 9.45 ng

RT: 2.69 min Scan# 190

Delta R.T. -0.01 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

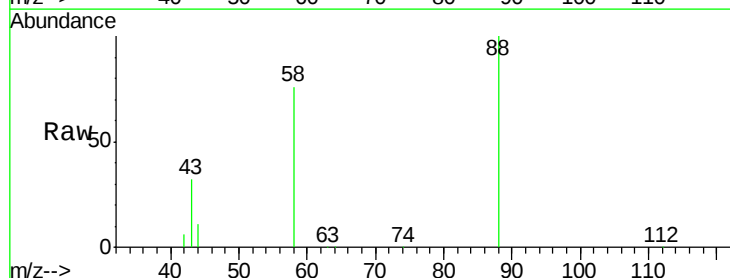
Tgt Ion: 88 Resp: 56003

Ion Ratio Lower Upper

88 100

58 77.4 62.4 93.6

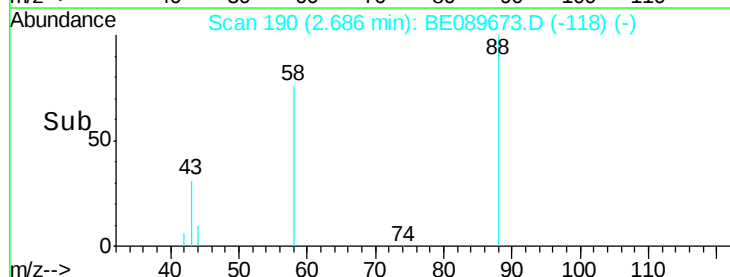
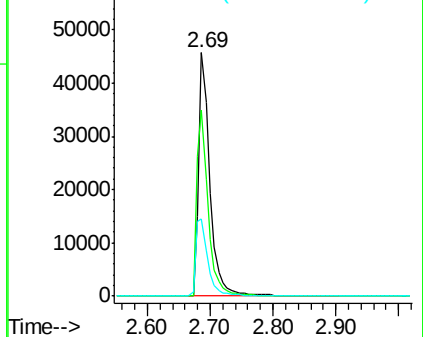
43 33.7 26.6 40.0

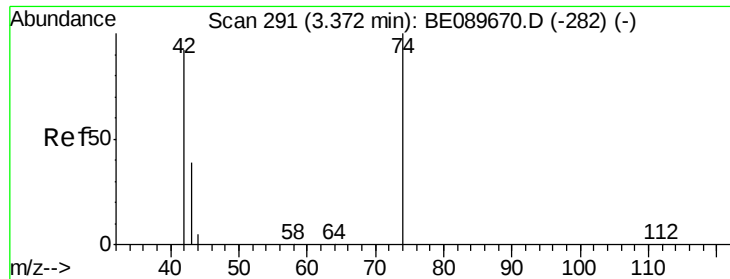


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



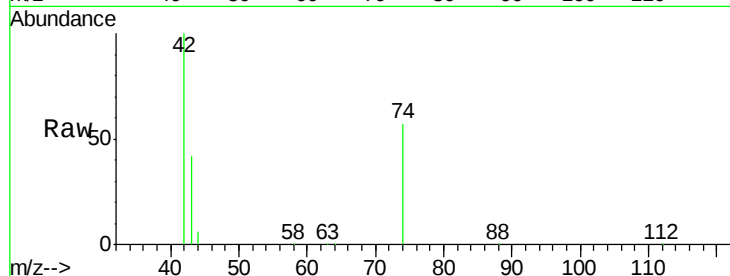


#3

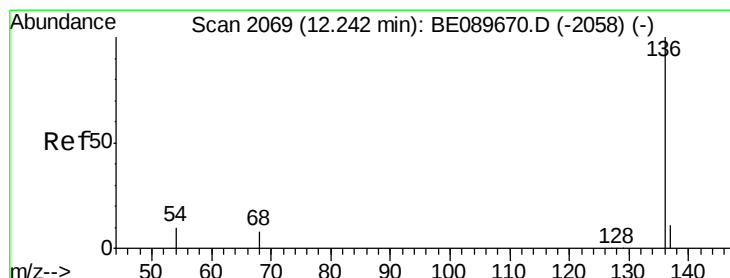
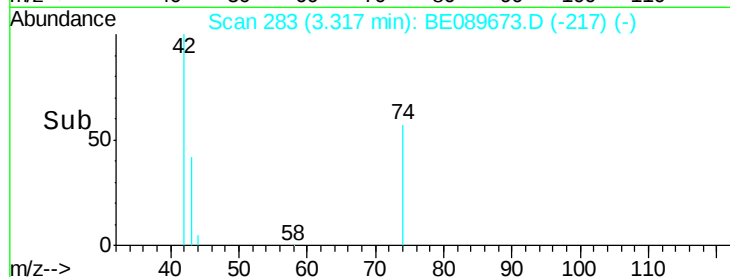
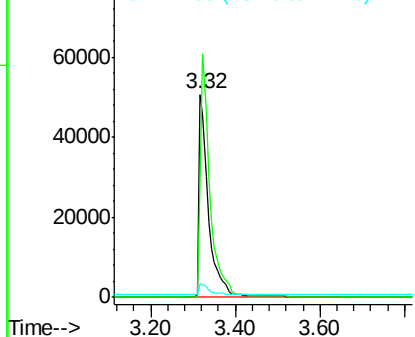
n-Nitrosodimethylamine
 Concen: 11.21 ng
 RT: 3.32 min Scan# 283
 Delta R.T. -0.06 min
 Lab File: BE089673.D
 Acq: 24 Feb 2015 16:21

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Tgt Ion: 42 Resp: 79443
 Ion Ratio Lower Upper
 42 100
 74 121.4 91.1 136.7
 44 5.7 4.7 7.1



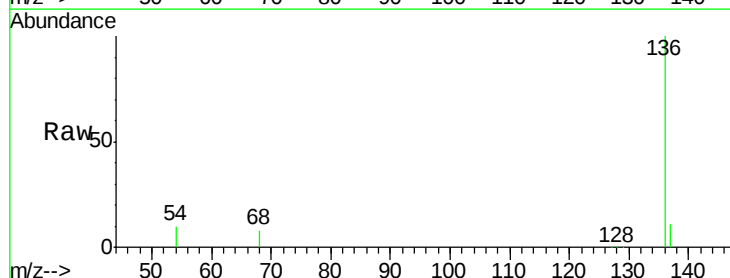
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



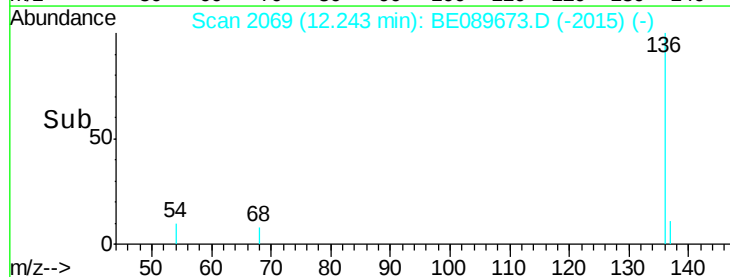
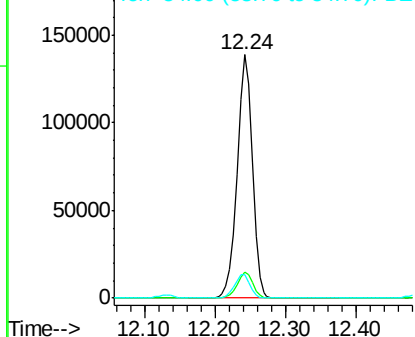
#4

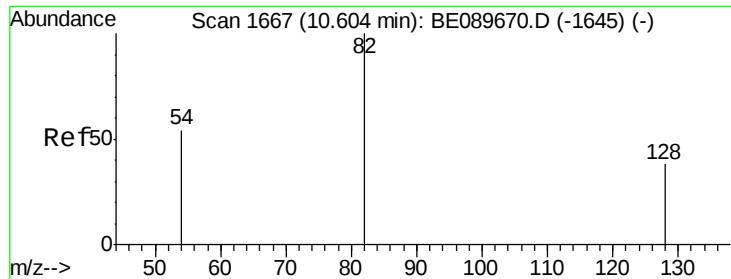
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BE089673.D
 Acq: 24 Feb 2015 16:21

Tgt Ion: 136 Resp: 202056
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 9.8 7.8 11.8



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





#5

Nitrobenzene-d5

Concen: 10.92 ng

RT: 10.61 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

BNA_E

LabSampleId :

SSTDIC010

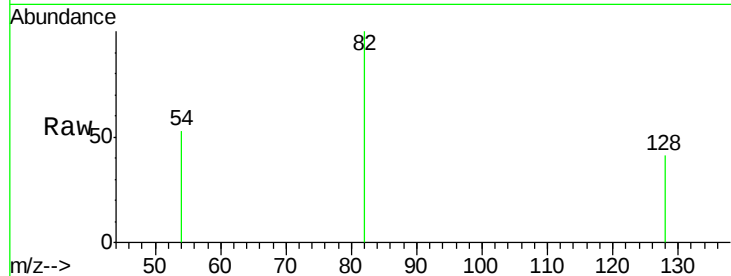
Tgt Ion: 82 Resp: 122868

Ion Ratio Lower Upper

82 100

128 41.1 30.6 46.0

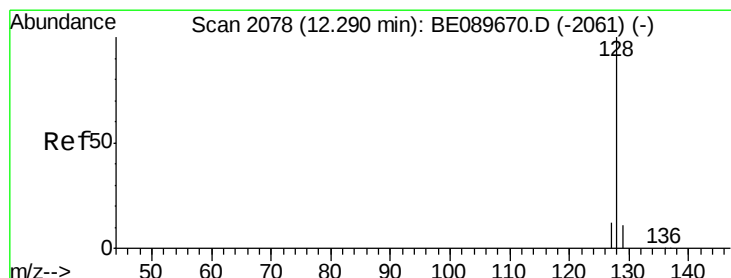
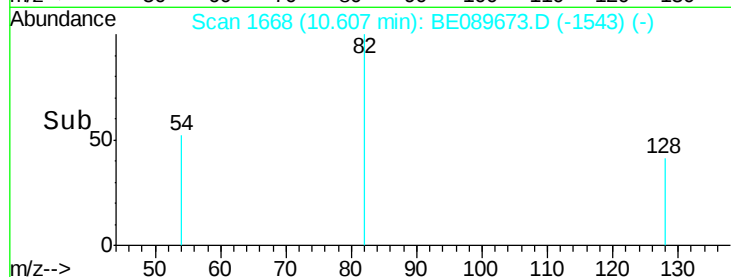
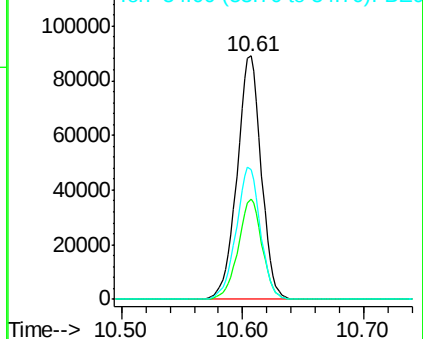
54 53.5 43.6 65.4



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



#6

Naphthalene

Concen: 9.96 ng

RT: 12.29 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

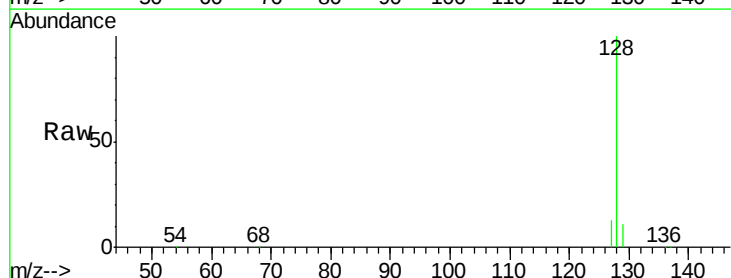
Tgt Ion: 128 Resp: 389692

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

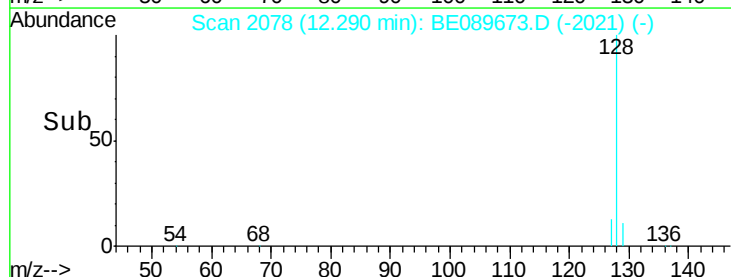
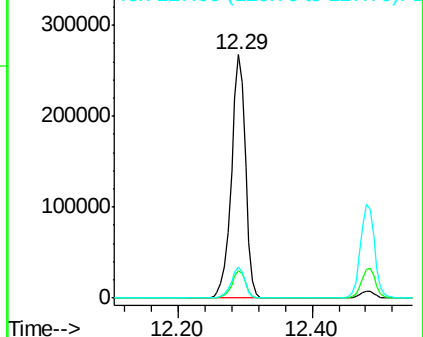
127 12.7 9.7 14.5

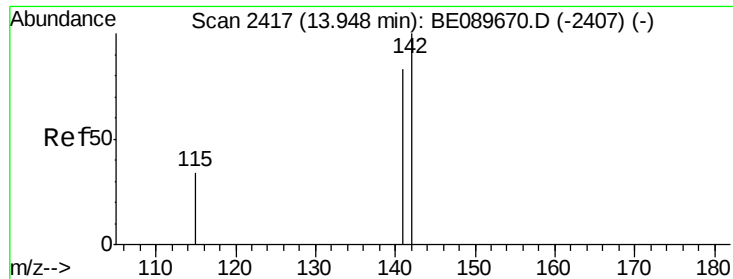


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 11.14 ng

RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

BNA_E

LabSampleId :

SSTDIC010

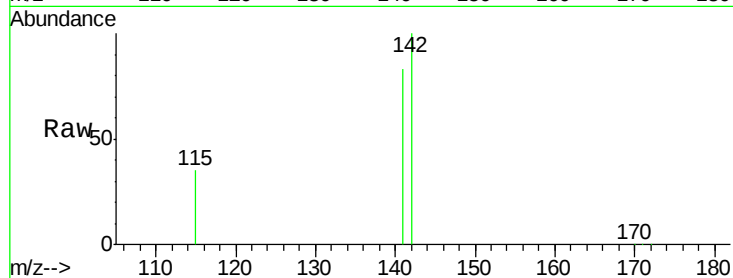
Tgt Ion:142 Resp: 243900

Ion Ratio Lower Upper

142 100

141 83.0 66.0 99.0

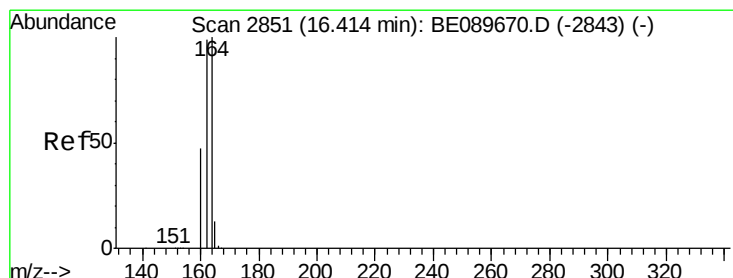
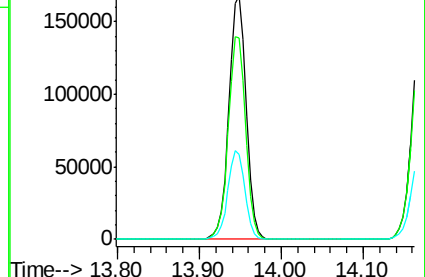
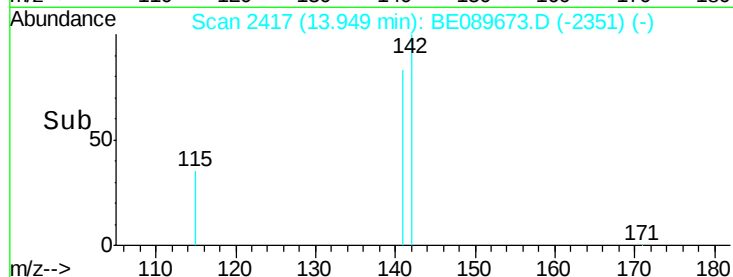
115 35.0 27.4 41.0



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



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. 0.01 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

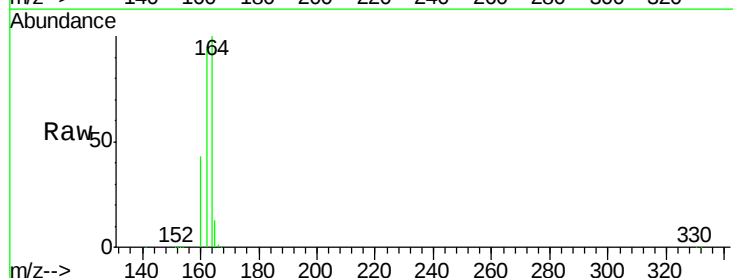
Tgt Ion:164 Resp: 92041

Ion Ratio Lower Upper

164 100

162 94.8 79.4 119.2

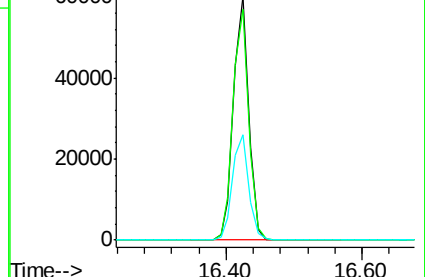
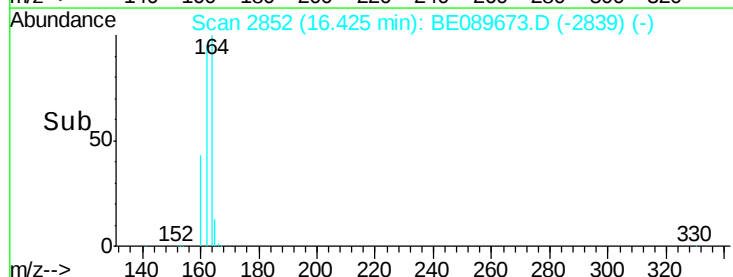
160 43.0 37.6 56.4

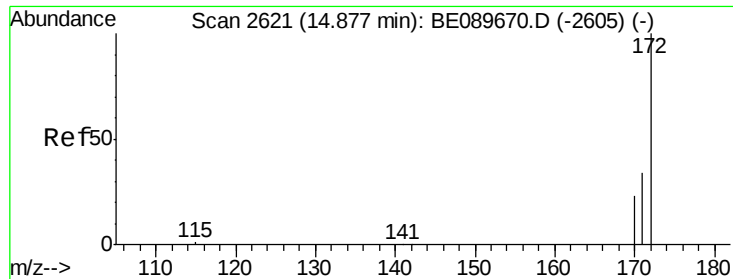


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 8.46 ng

RT: 14.88 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BE089673.D

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Instrument :

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LabSampleId :

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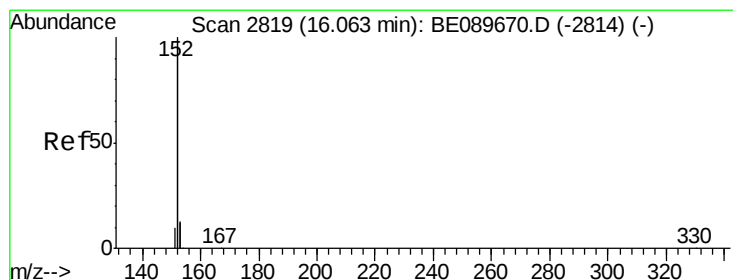
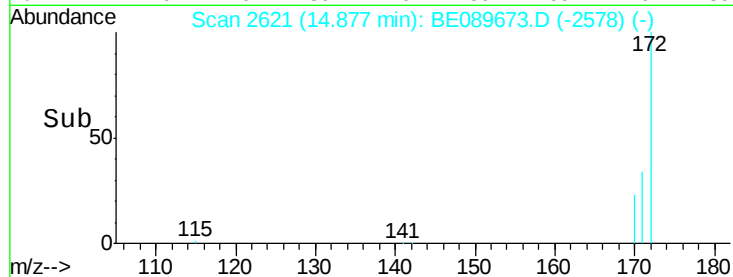
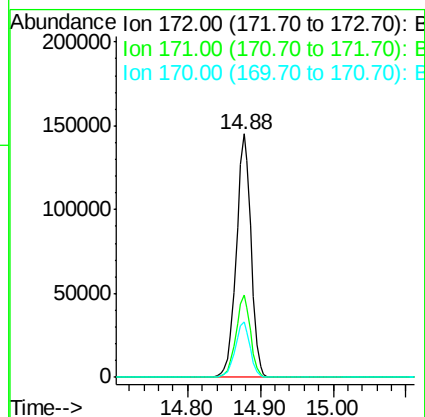
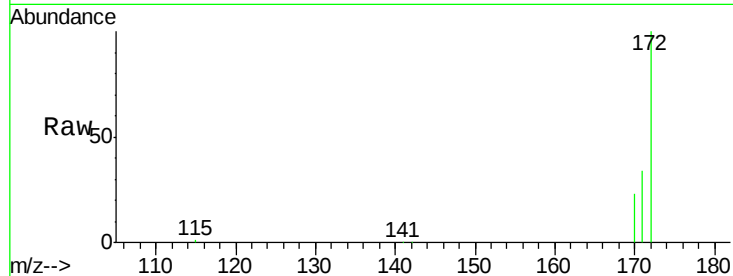
Tgt Ion:172 Resp: 205699

Ion Ratio Lower Upper

172 100

171 33.6 27.3 40.9

170 22.9 18.5 27.7



#10

Acenaphthylene

Concen: 11.30 ng

RT: 16.07 min Scan# 2820

Delta R.T. 0.01 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

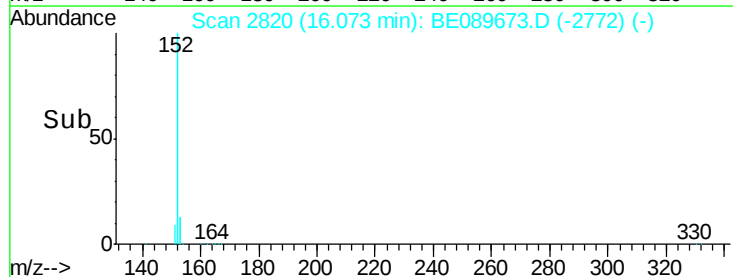
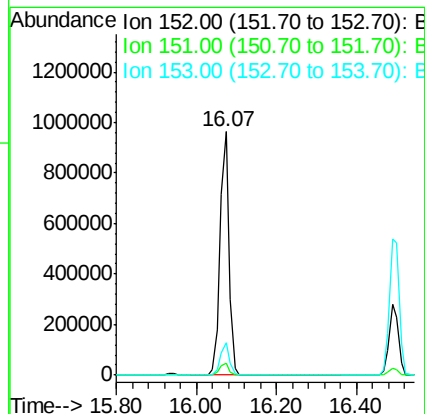
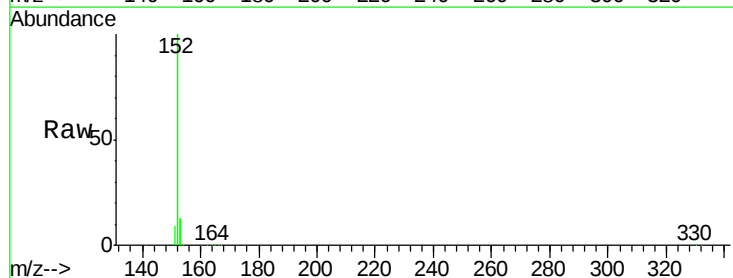
Tgt Ion:152 Resp: 1469019

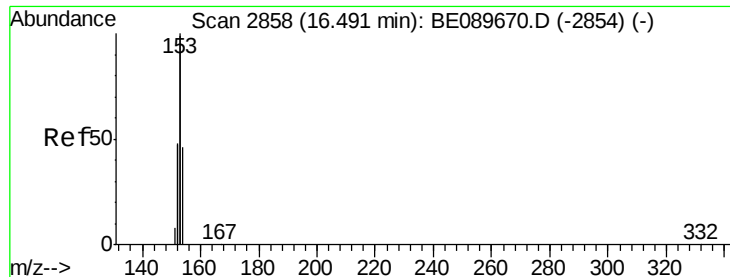
Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.6

153 13.1 10.4 15.6





#11

Acenaphthene

Concen: 10.28 ng

RT: 16.50 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

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LabSampleId :

SSTDIC010

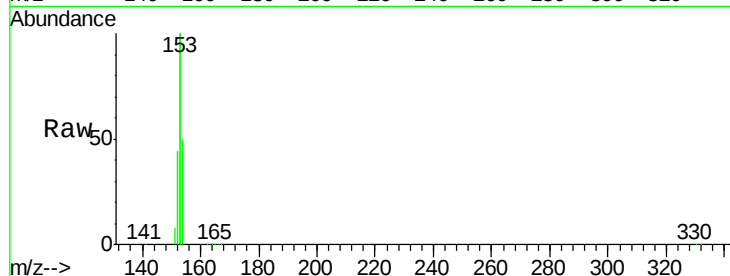
Tgt Ion:154 Resp: 214419

Ion Ratio Lower Upper

154 100

153 426.1 345.8 518.8

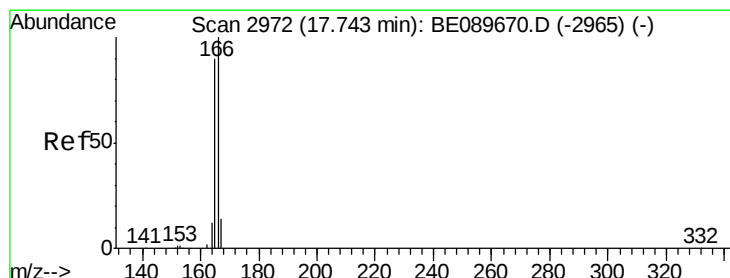
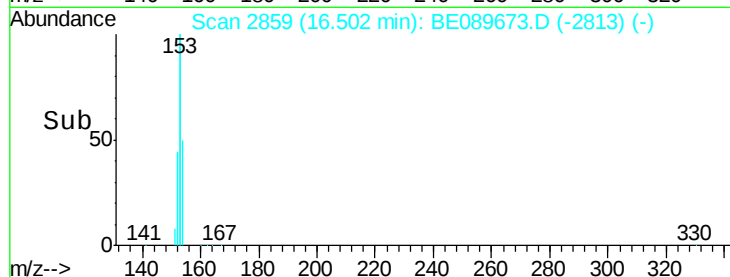
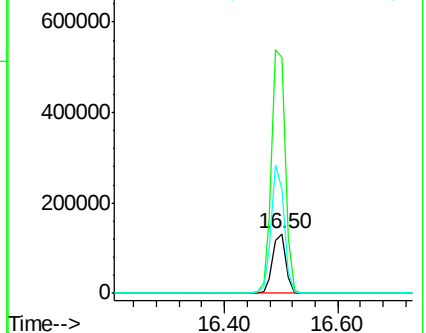
152 208.2 168.6 252.8



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



#12

Fluorene

Concen: 10.70 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

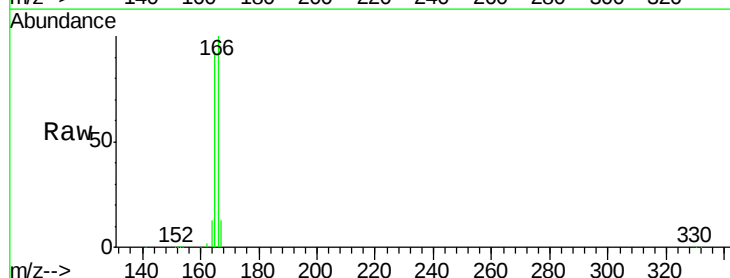
Tgt Ion:166 Resp: 246280

Ion Ratio Lower Upper

166 100

165 92.3 73.6 110.4

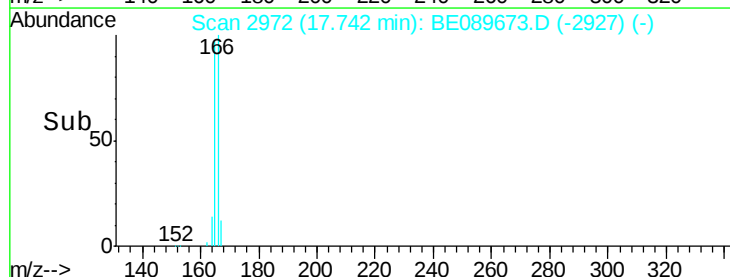
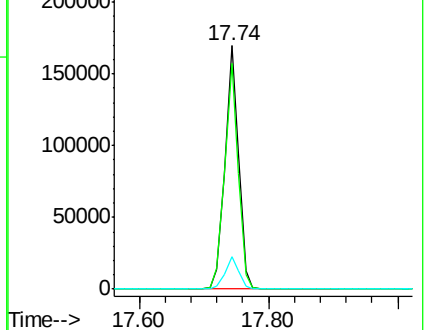
167 13.3 10.6 16.0

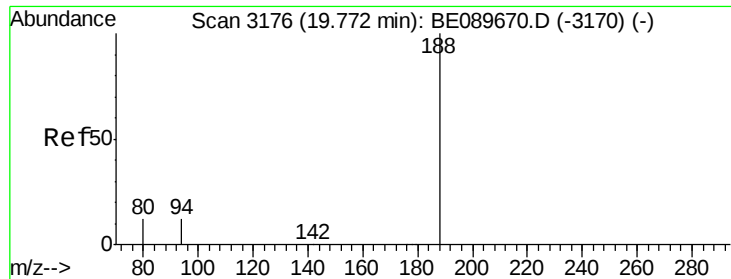


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

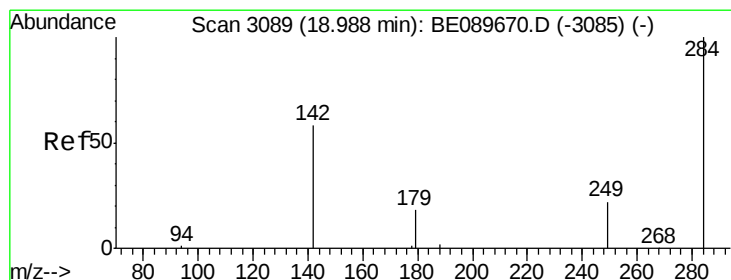
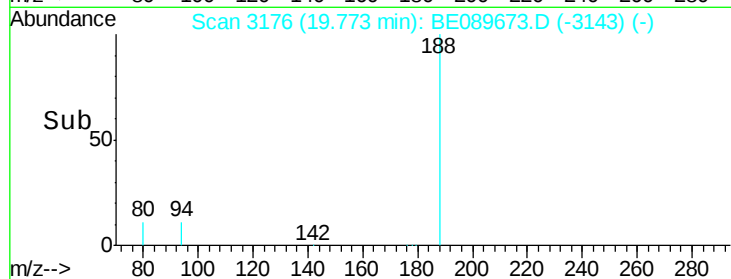
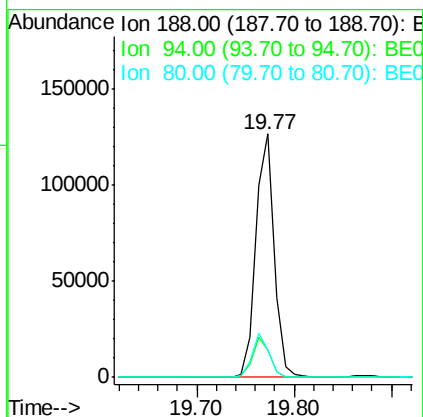
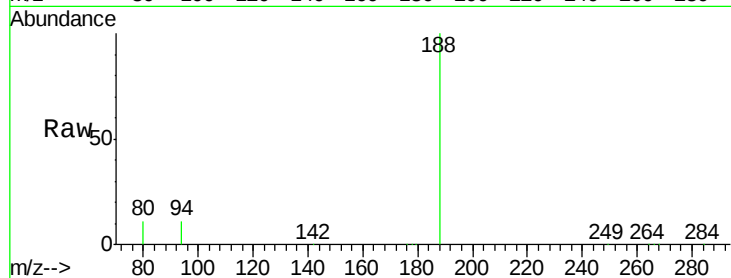




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE089673.D
Acq: 24 Feb 2015 16:21

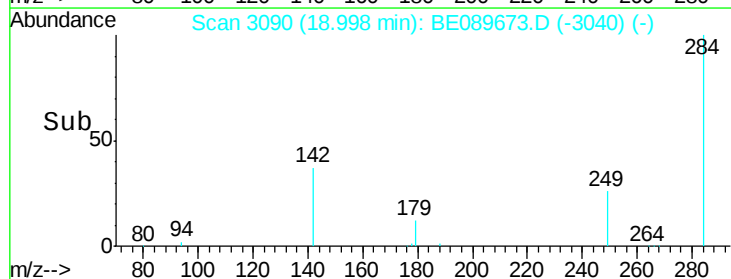
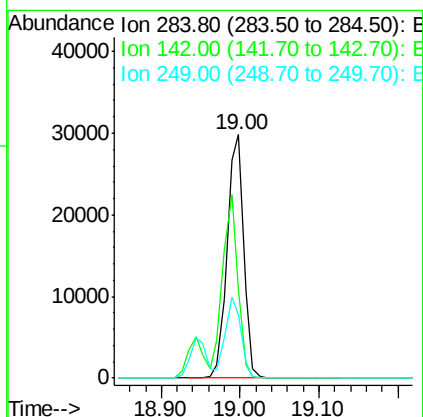
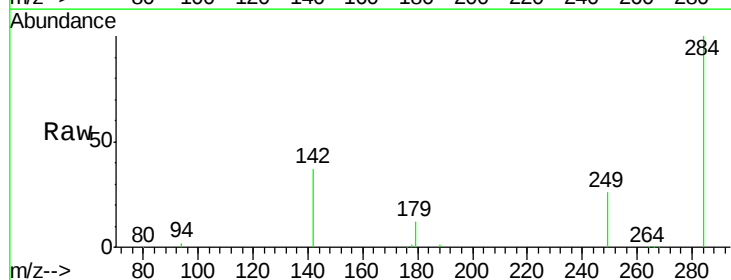
Instrument :
BNA_E
LabSampleId :
SSTDIC010

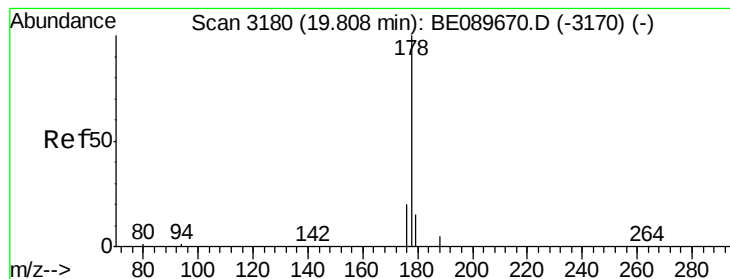
Tgt Ion:188 Resp: 161469
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.3 9.5 14.3



#14
Hexachlorobenzene
Concen: 10.34 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BE089673.D
Acq: 24 Feb 2015 16:21

Tgt Ion:284 Resp: 43037
Ion Ratio Lower Upper
284 100
142 69.5 55.4 83.2
249 30.8 27.2 40.8





#16

Phenanthrene

Concen: 10.19 ng

RT: 19.81 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

BNA_E

LabSampleId :

SSTDIC010

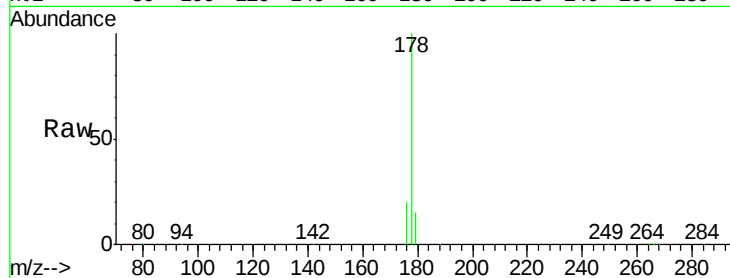
Tgt Ion:178 Resp: 350320

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

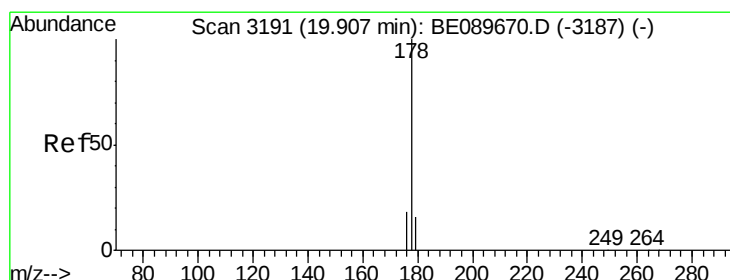
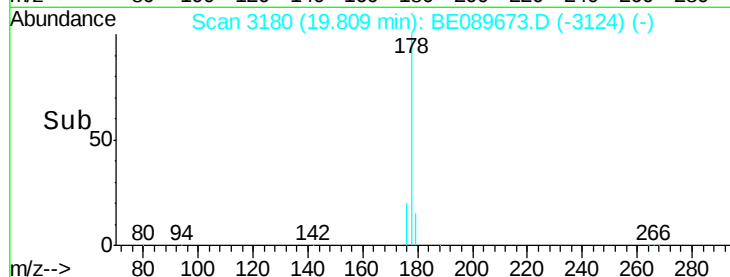
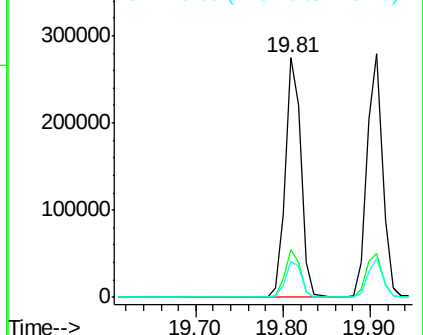
179 15.4 12.5 18.7



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



#17

Anthracene

Concen: 11.95 ng

RT: 19.91 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

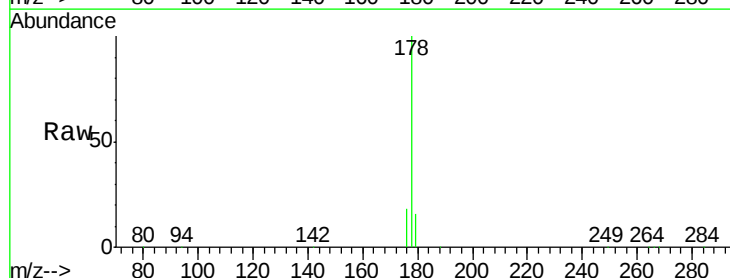
Tgt Ion:178 Resp: 341956

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

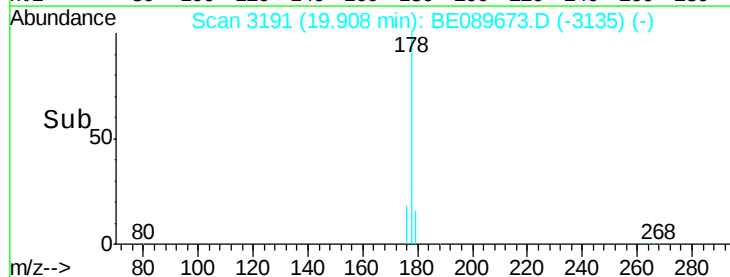
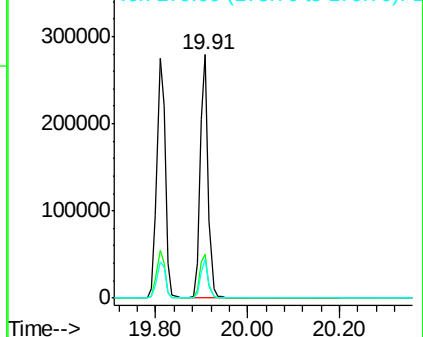
179 15.3 12.2 18.2

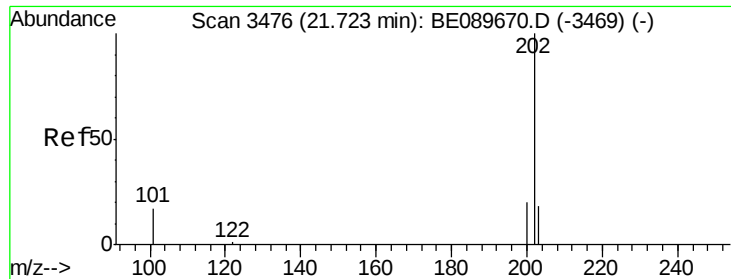


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

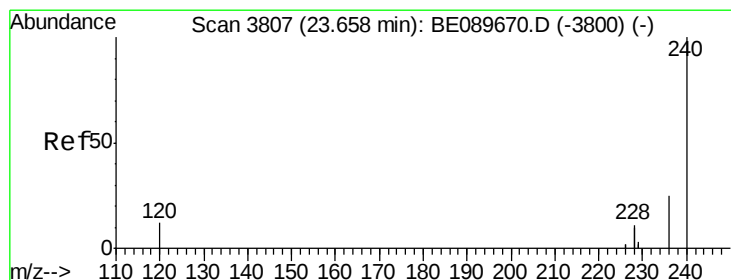
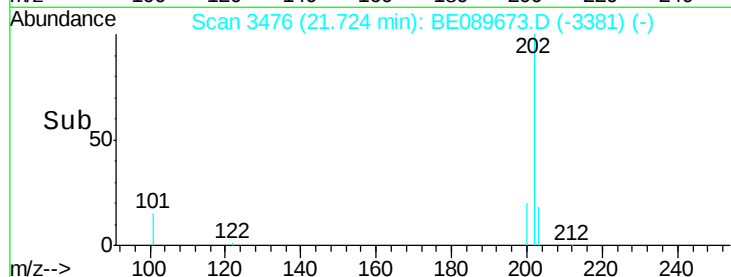
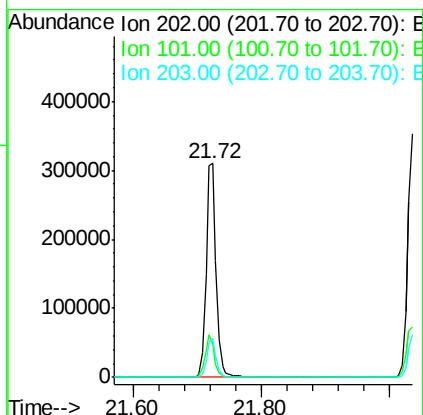
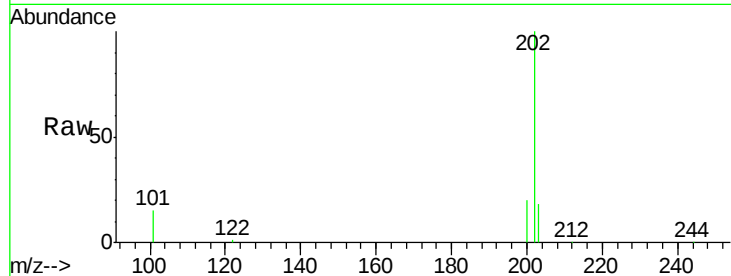




#18
 Fluoranthene
 Concen: 12.17 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089673.D
 Acq: 24 Feb 2015 16:21

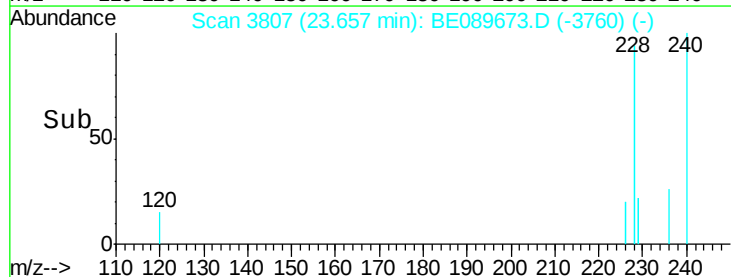
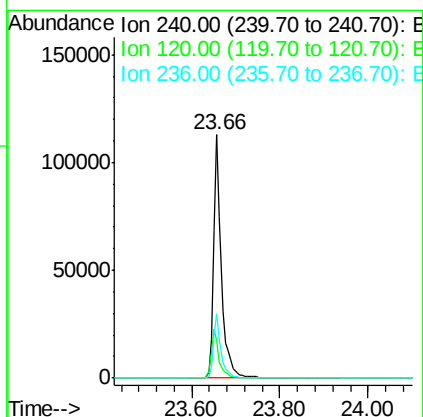
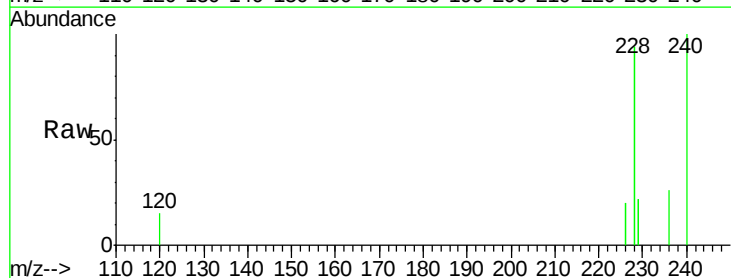
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

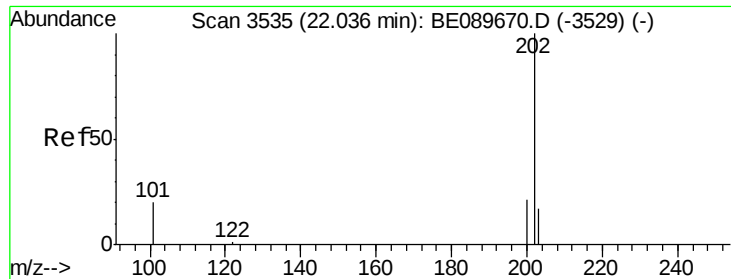
Tgt Ion: 202 Resp: 340725
 Ion Ratio Lower Upper
 202 100
 101 18.2 14.9 22.3
 203 17.4 13.8 20.6



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3807
 Delta R.T. -0.00 min
 Lab File: BE089673.D
 Acq: 24 Feb 2015 16:21

Tgt Ion: 240 Resp: 138864
 Ion Ratio Lower Upper
 240 100
 120 15.3 9.4 14.0#
 236 26.3 19.9 29.9





#20

Pyrene

Concen: 11.00 ng

RT: 22.04 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

BNA_E

LabSampleId :

SSTDIC010

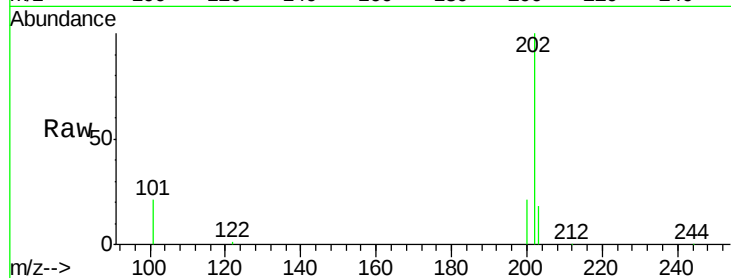
Tgt Ion:202 Resp: 364756

Ion Ratio Lower Upper

202 100

200 21.0 16.4 24.6

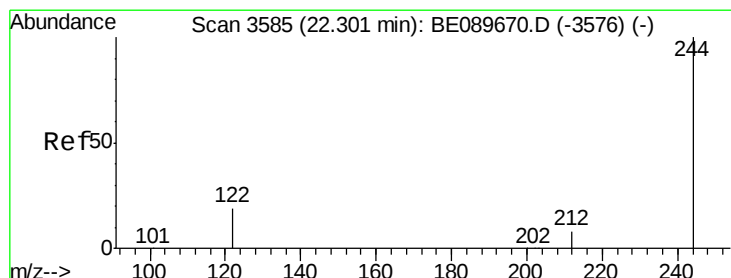
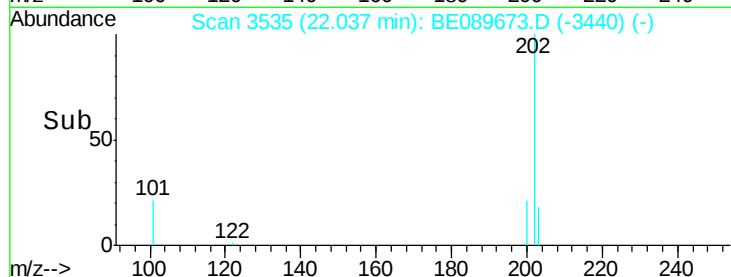
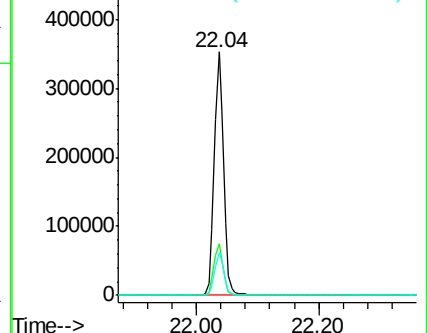
203 17.6 13.9 20.9



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



#21

Terphenyl-d14

Concen: 11.19 ng

RT: 22.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

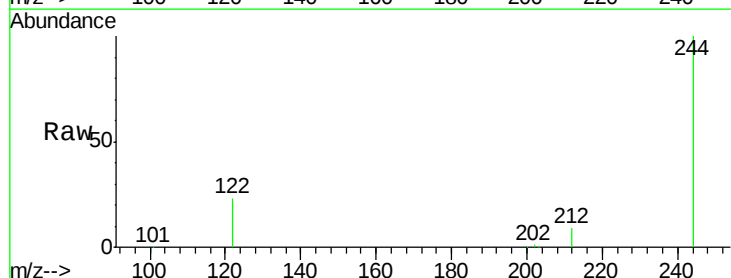
Tgt Ion:244 Resp: 179632

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

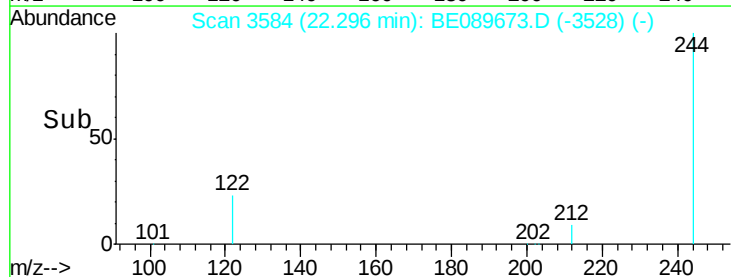
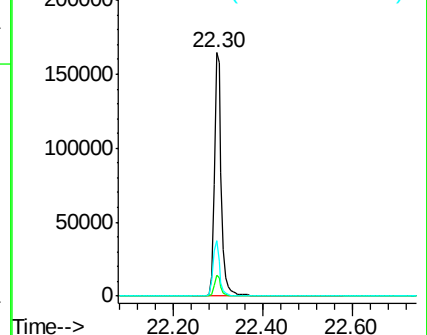
122 22.7 15.4 23.0

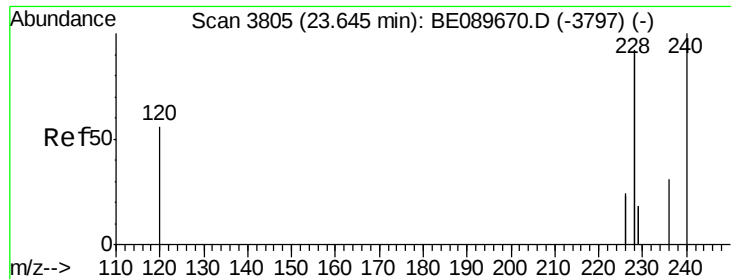


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#22

Benzo(a)anthracene

Concen: 12.95 ng

RT: 23.64 min Scan# 3805

Delta R.T. -0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

BNA_E

LabSampleId :

SSTDIC010

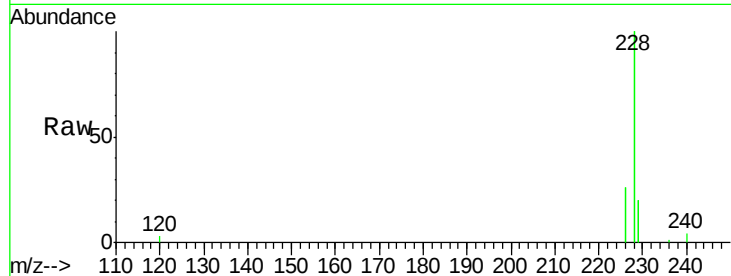
Tgt Ion:228 Resp: 1140481

Ion Ratio Lower Upper

228 100

226 25.9 20.6 31.0

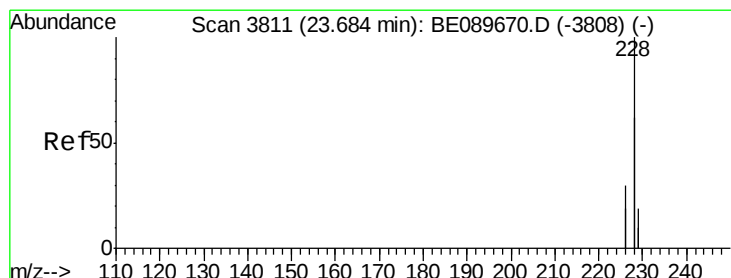
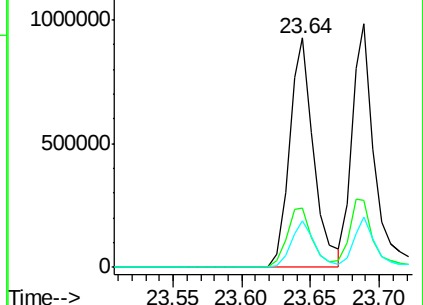
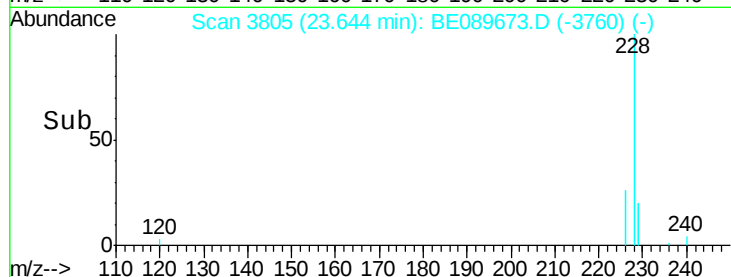
229 20.3 15.8 23.6



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



#23

Chrysene

Concen: 9.31 ng

RT: 23.69 min Scan# 3812

Delta R.T. 0.01 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

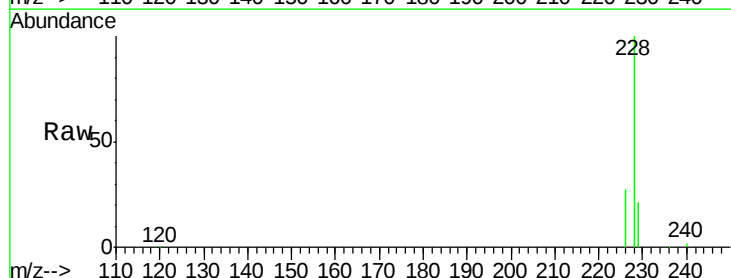
Tgt Ion:228 Resp: 1182275

Ion Ratio Lower Upper

228 100

226 27.3 23.6 35.4

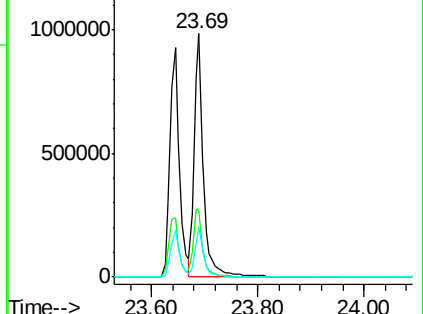
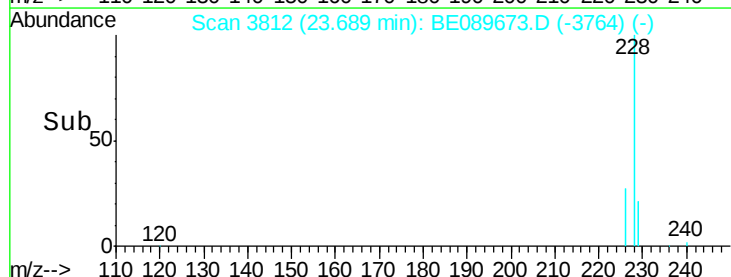
229 20.6 15.3 22.9

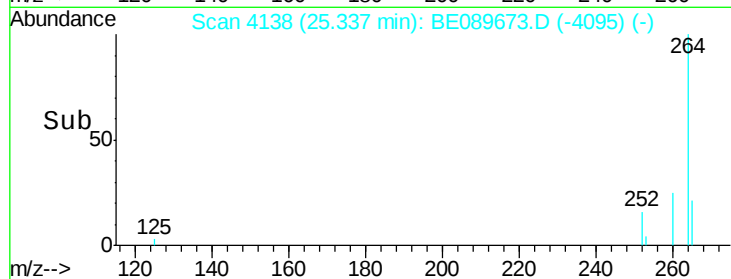
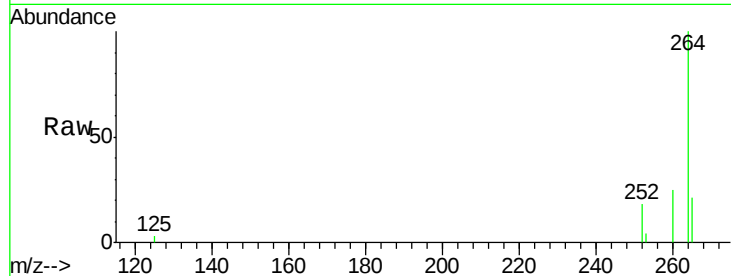
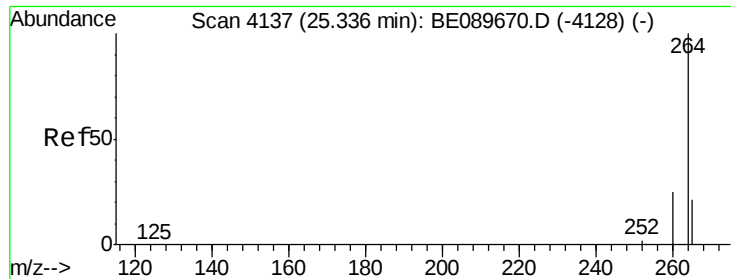


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#25

Perylene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4138

Delta R.T. 0.00 min

Lab File: BE089673.D

Acq: 24 Feb 2015 16:21

Instrument :

BNA_E

LabSampleId :

SSTDIC010

Tgt Ion: 264 Resp: 103139

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.4

265 21.4 17.0 25.4

