

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089670.D
 Acq On : 24 Feb 2015 14:21
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Feb 24 15:06:46 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 14:51:37 2015
 Response via : Initial Calibration

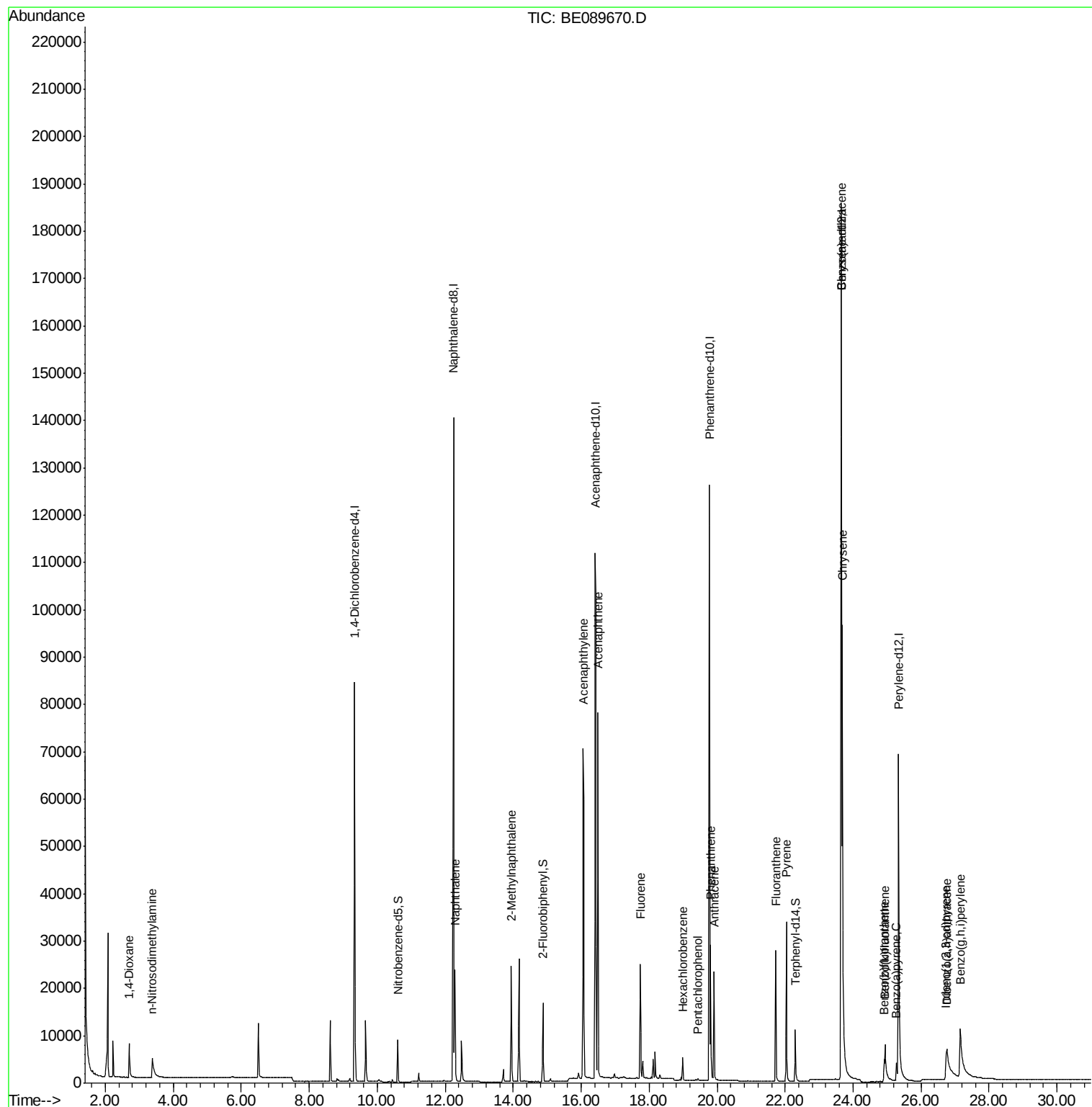
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37604	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	161155	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	73233	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	133669	5.00	ng	0.00
19) Chrysene-d12	23.66	240	126847	5.00	ng	0.00
25) Perylene-d12	25.34	264	78438	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	6739	0.76	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	15136	0.79	ng	0.00
21) Terphenyl-d14	22.30	244	11470	0.72	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.70	88	5110	1.08	ng	100
3) n-Nitrosodimethylamine	3.37	42	6536	1.20	ng	100
6) Naphthalene	12.29	128	28804	0.91	ng	100
7) 2-Methylnaphthalene	13.95	142	16600	0.93	ng	100
10) Acenaphthylene	16.06	152	96451	0.93	ng	100
11) Acenaphthene	16.49	154	15225	0.90	ng	100
12) Fluorene	17.74	166	16984	0.92	ng	100
14) Hexachlorobenzene	18.99	284	3155	0.90	ng	100
15) Pentachlorophenol	19.44	266	315	0.61	ng	100
16) Phenanthrene	19.81	178	25837	0.91	ng	100
17) Anthracene	19.91	178	22322	0.93	ng	100
18) Fluoranthene	21.72	202	22079	0.92	ng	100
20) Pyrene	22.04	202	23995	0.80	ng	100
22) Benzo(a)anthracene	23.65	228	71252	0.84	ng	100
23) Chrysene	23.68	228	104502	0.90	ng	100
24) Indeno(1,2,3-cd)pyrene	26.74	276	26197	0.57	ng	# 100
26) Benzo(b)fluoranthene	24.91	252	4476	0.58	ng	100
27) Benzo(k)fluoranthene	24.94	252	17793	1.00	ng	100
28) Benzo(a)pyrene	25.27	252	5938	0.71	ng	100
29) Dibenzo(a,h)anthracene	26.77	278	4594	0.67	ng	100
30) Benzo(g,h,i)perylene	27.16	276	31632	0.83	ng	100

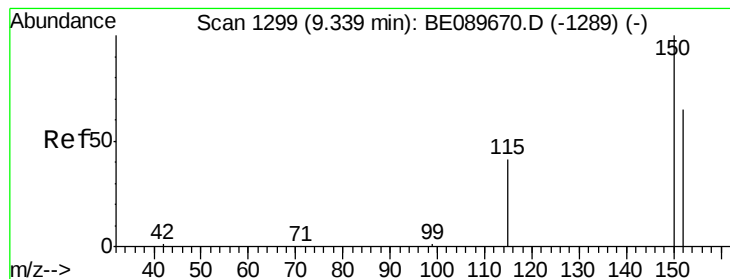
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

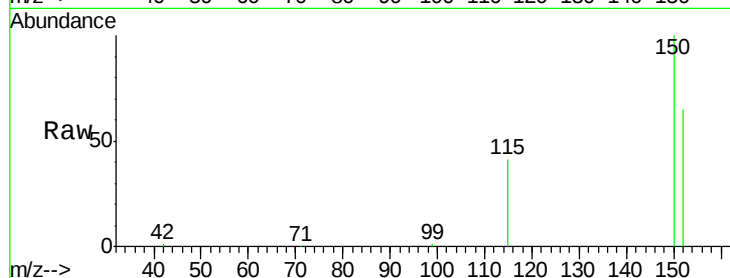
Tgt Ion:152 Resp: 37604

Ion Ratio Lower Upper

152 100

150 154.2 123.4 185.0

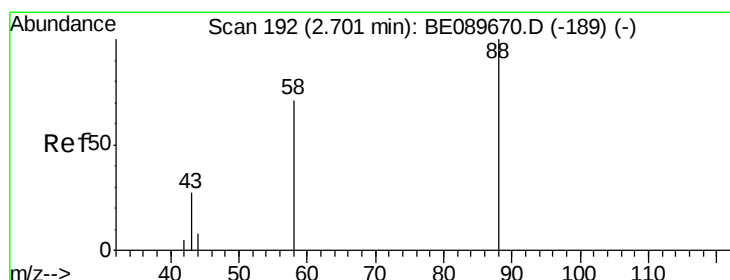
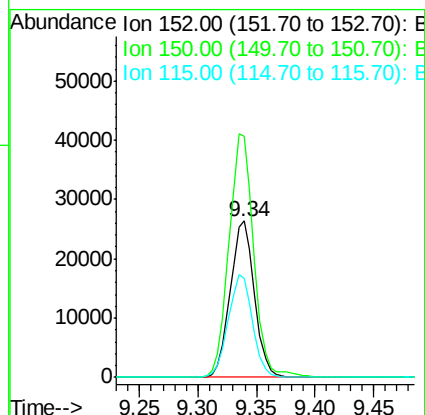
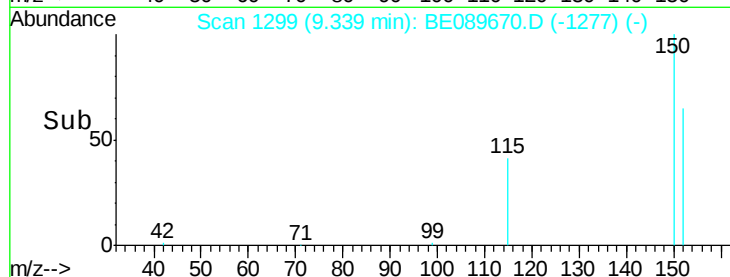
115 63.5 50.8 76.2



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: 1.08 ng

RT: 2.70 min Scan# 192

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

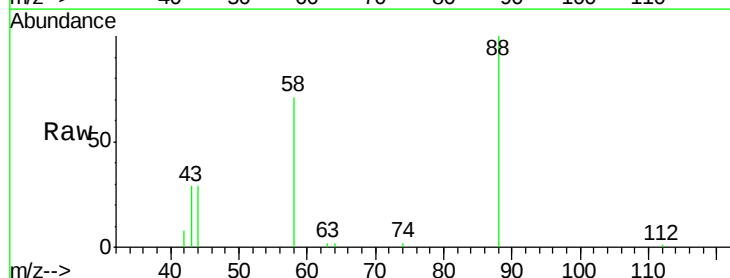
Tgt Ion: 88 Resp: 5110

Ion Ratio Lower Upper

88 100

58 78.0 62.4 93.6

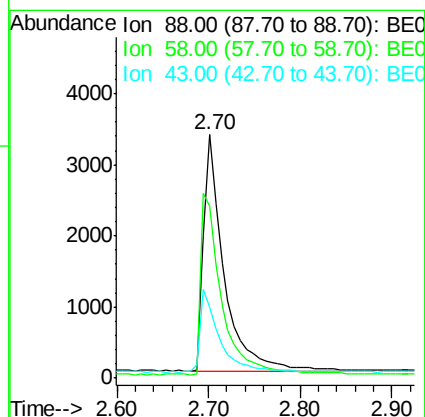
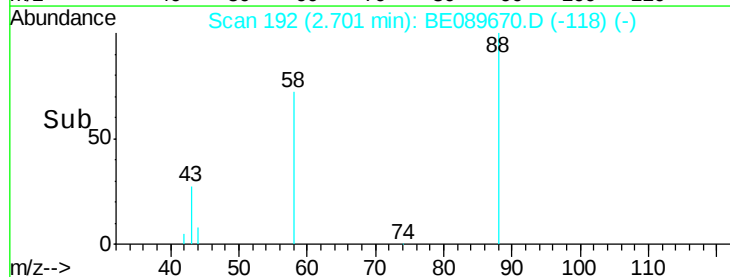
43 33.3 26.6 40.0

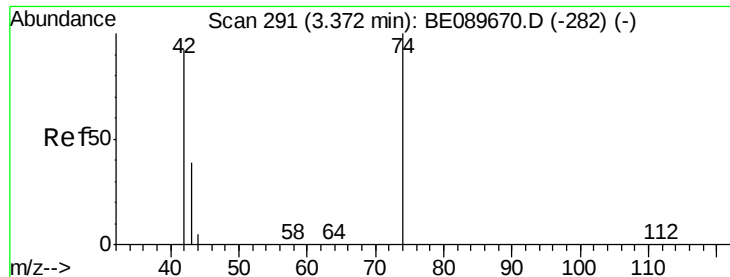


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



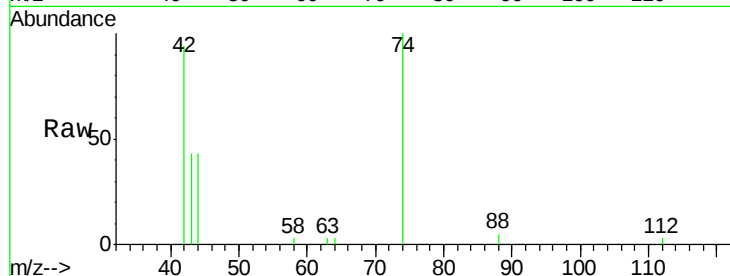


#3

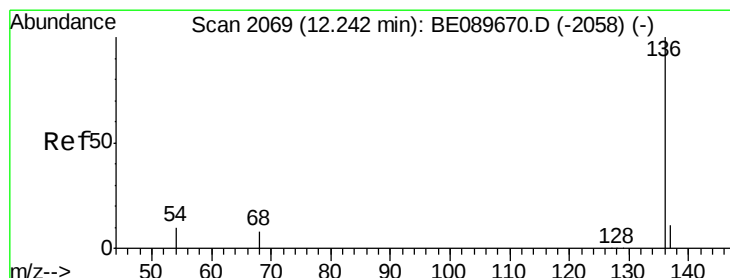
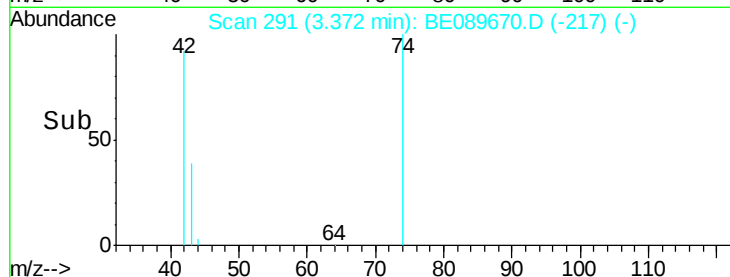
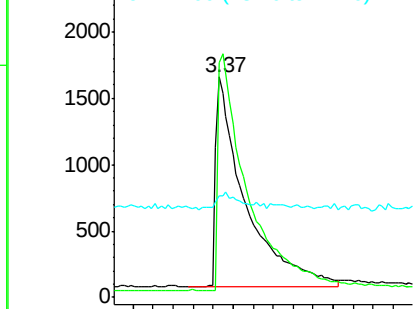
n-Nitrosodimethylamine
 Concen: 1.20 ng
 RT: 3.37 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: BE089670.D
 Acq: 24 Feb 2015 14:21

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion: 42 Resp: 6536
 Ion Ratio Lower Upper
 42 100
 74 113.9 91.1 136.7
 44 5.9 4.7 7.1



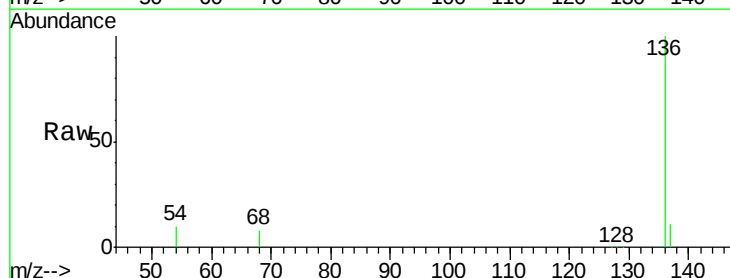
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



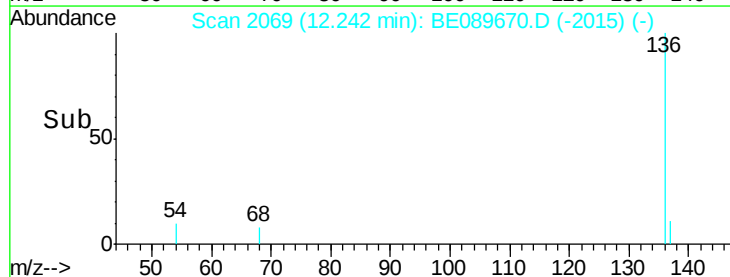
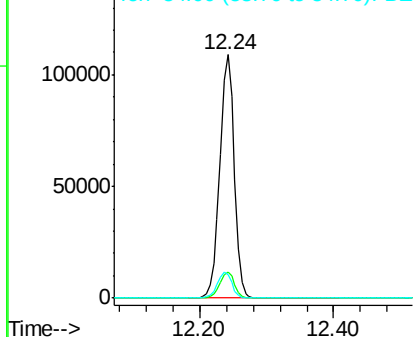
#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BE089670.D
 Acq: 24 Feb 2015 14:21

Tgt Ion: 136 Resp: 161155
 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: 0.76 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

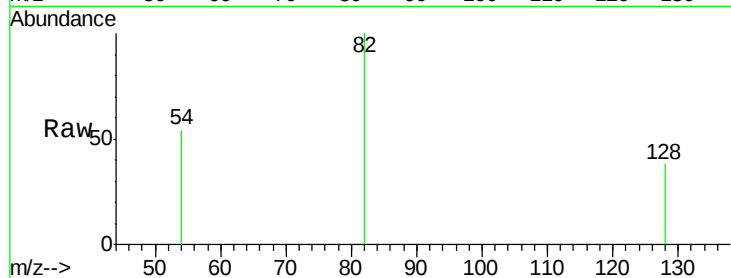
Tgt Ion: 82 Resp: 6739

Ion Ratio Lower Upper

82 100

128 38.3 30.6 46.0

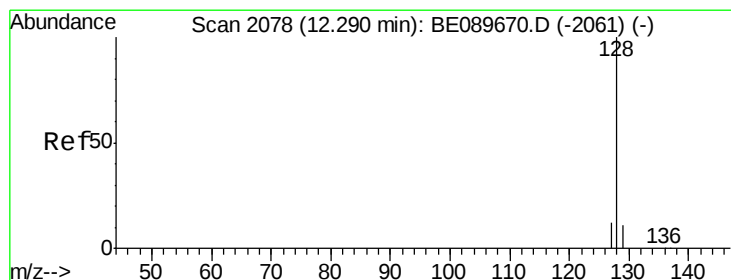
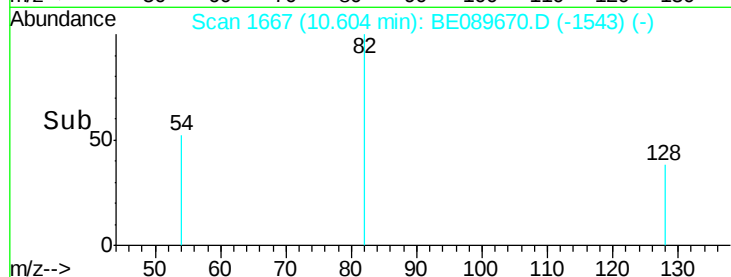
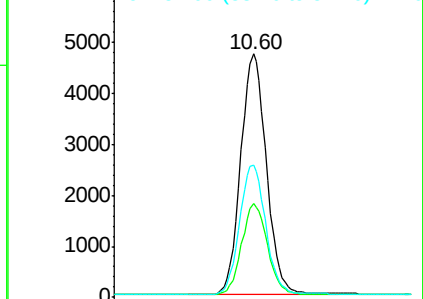
54 54.5 43.6 65.4



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: 0.91 ng

RT: 12.29 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

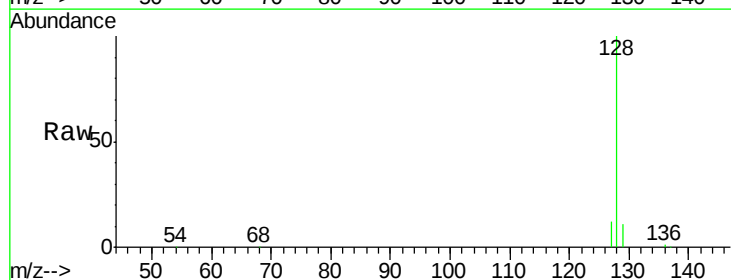
Tgt Ion: 128 Resp: 28804

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

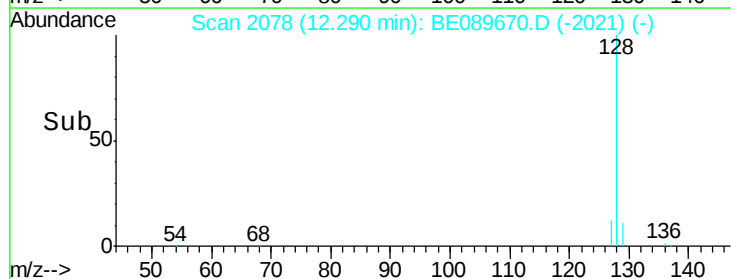
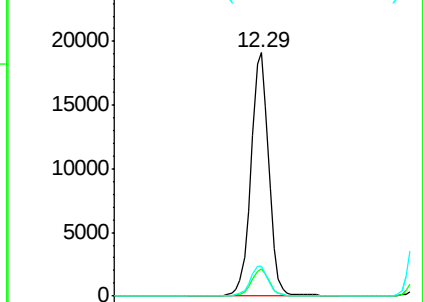
127 12.1 9.7 14.5



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





#7

2-Methylnaphthalene

Concen: 0.93 ng

RT: 13.95 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

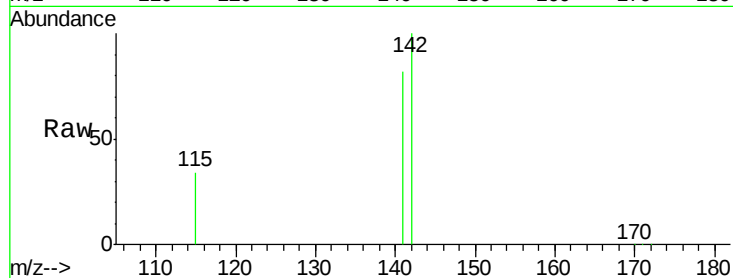
Tgt Ion:142 Resp: 16600

Ion Ratio Lower Upper

142 100

141 82.5 66.0 99.0

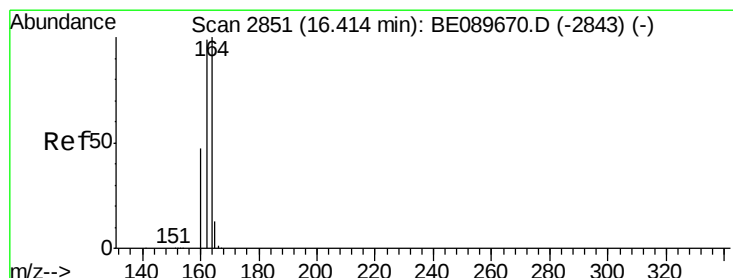
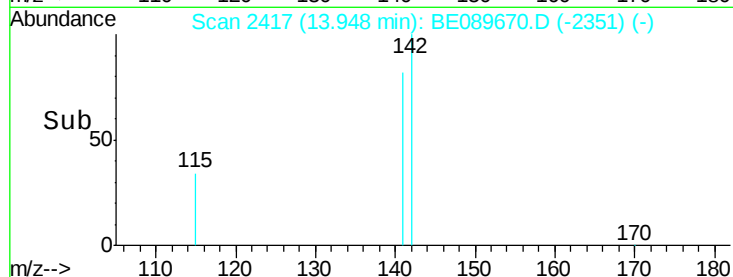
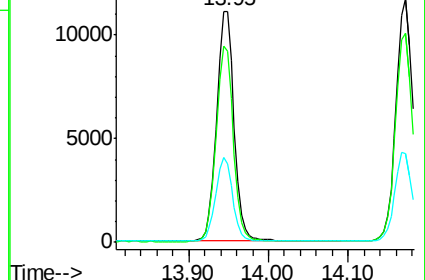
115 34.2 27.4 41.0



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: 16.41 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

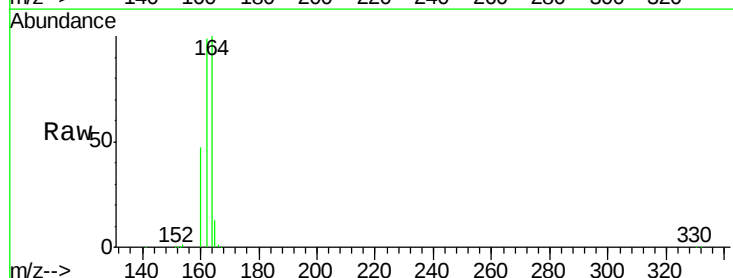
Tgt Ion:164 Resp: 73233

Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.2

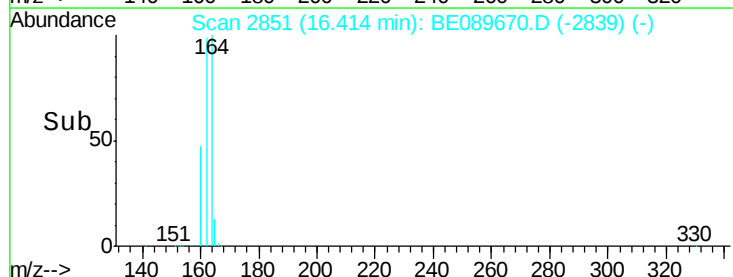
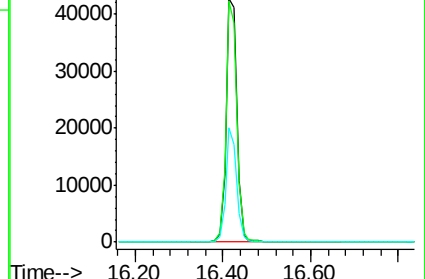
160 47.0 37.6 56.4



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: 0.79 ng

RT: 14.88 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

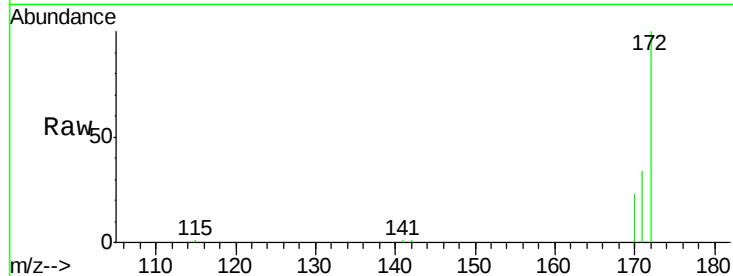
Tgt Ion:172 Resp: 15136

Ion Ratio Lower Upper

172 100

171 34.1 27.3 40.9

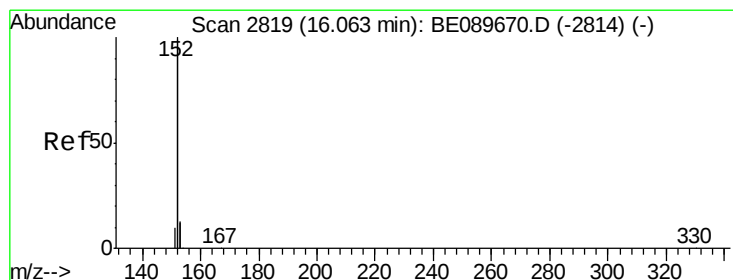
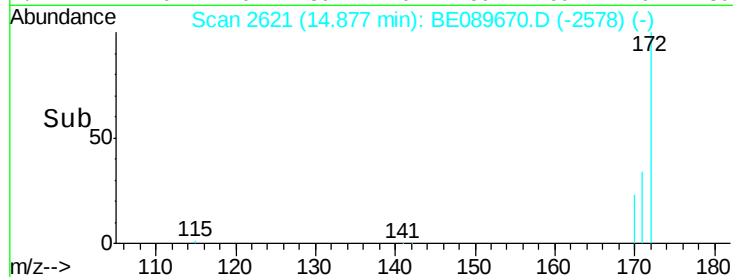
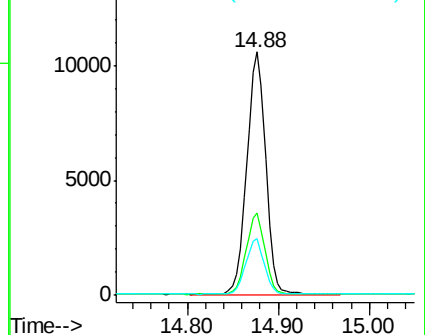
170 23.1 18.5 27.7



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



#10

Acenaphthylene

Concen: 0.93 ng

RT: 16.06 min Scan# 2819

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

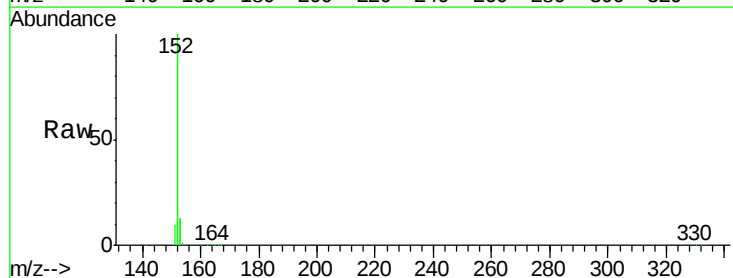
Tgt Ion:152 Resp: 96451

Ion Ratio Lower Upper

152 100

151 4.7 3.8 5.6

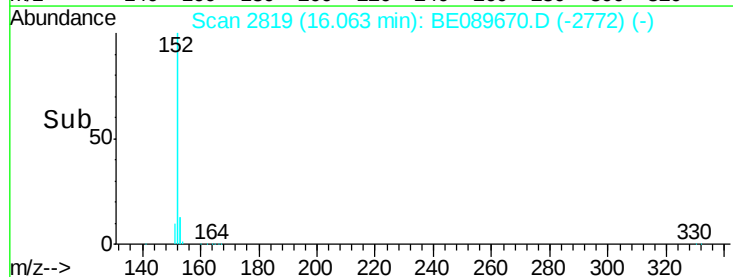
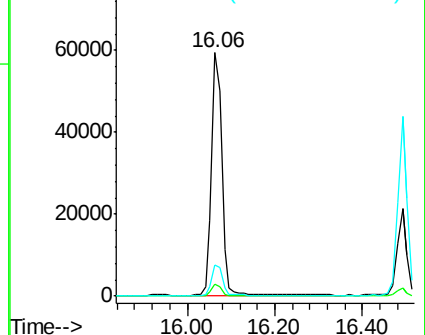
153 13.0 10.4 15.6

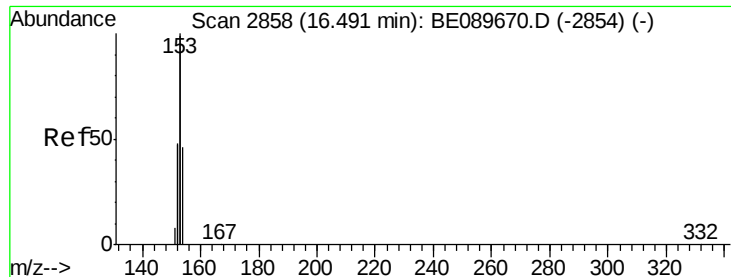


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.90 ng

RT: 16.49 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

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SSTDICCC001

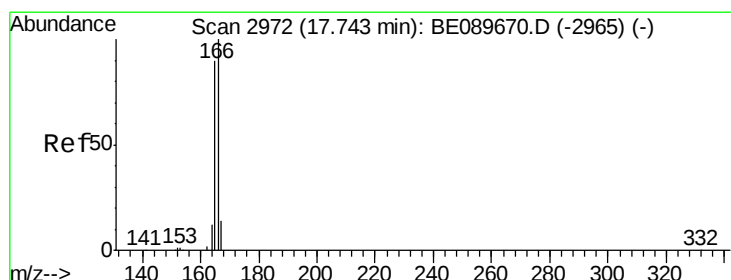
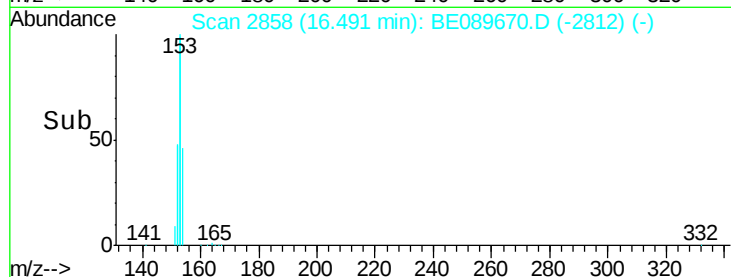
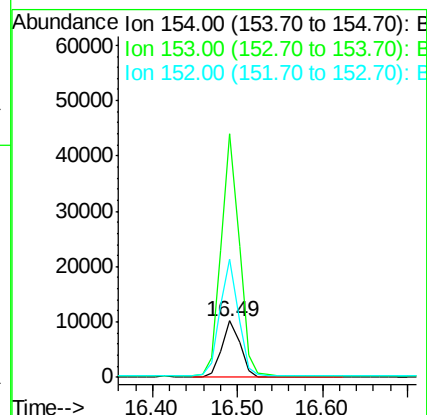
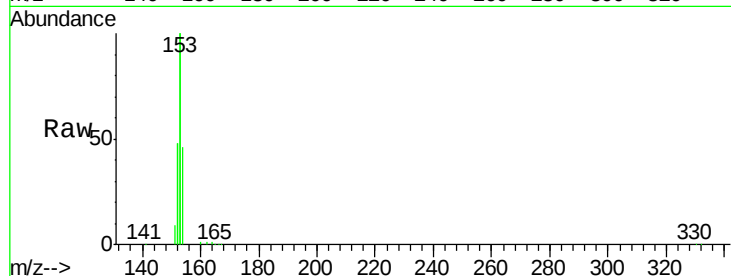
Tgt Ion:154 Resp: 15225

Ion Ratio Lower Upper

154 100

153 432.3 345.8 518.8

152 210.7 168.6 252.8



#12

Fluorene

Concen: 0.92 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

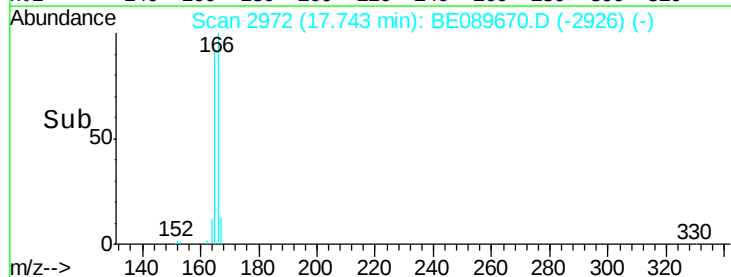
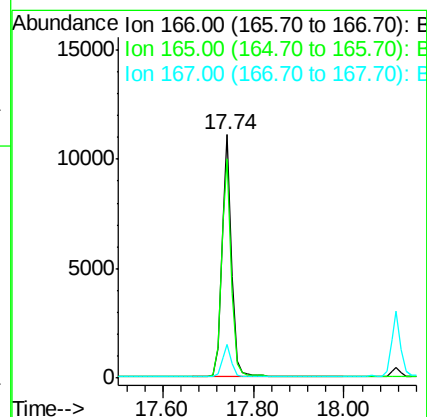
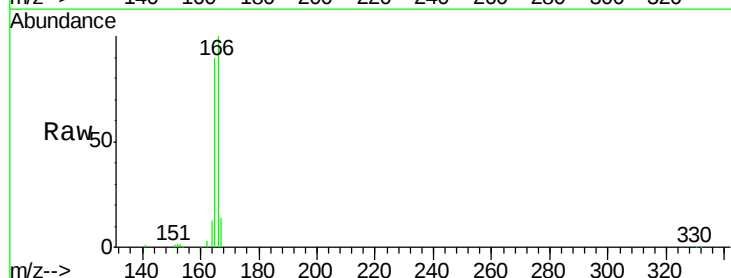
Tgt Ion:166 Resp: 16984

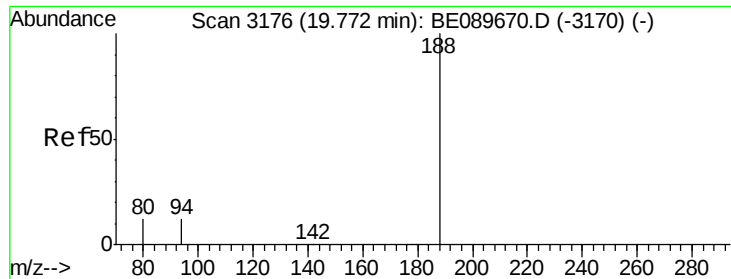
Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

167 13.3 10.6 16.0

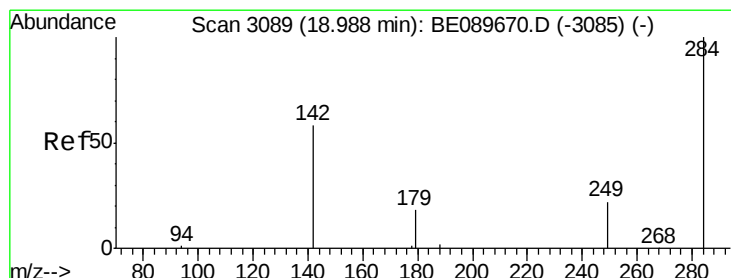
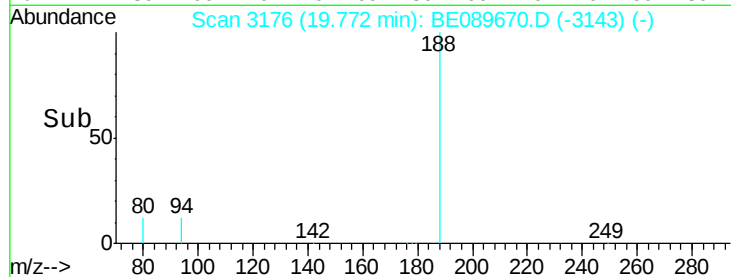
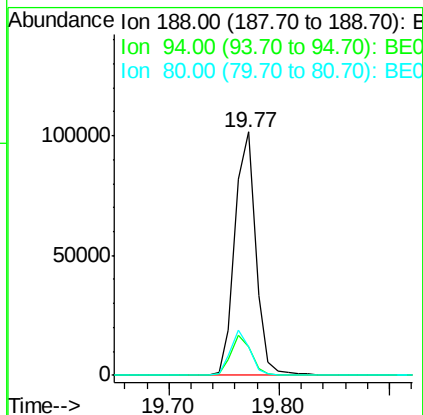
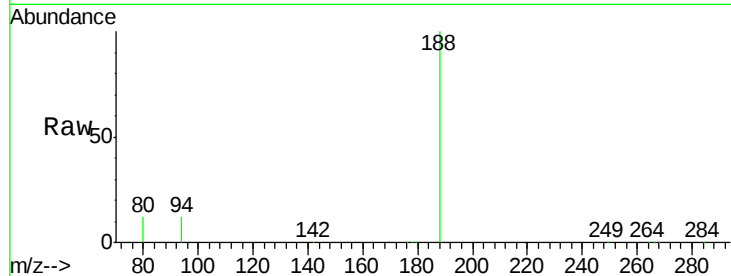




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE089670.D
Acq: 24 Feb 2015 14:21

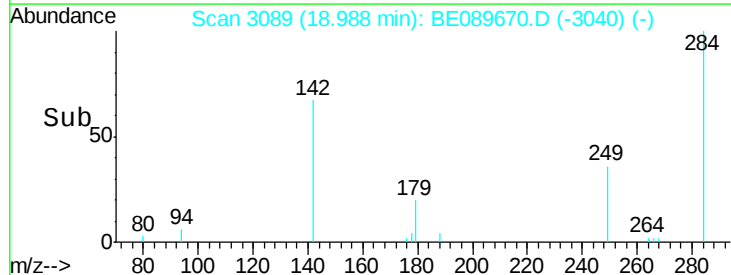
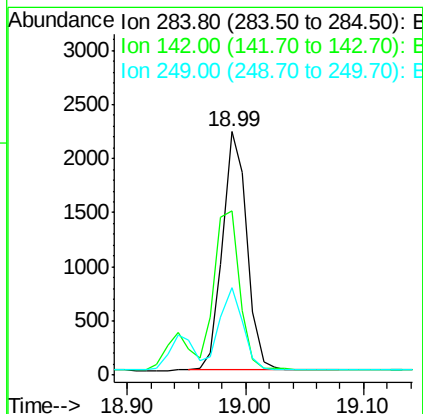
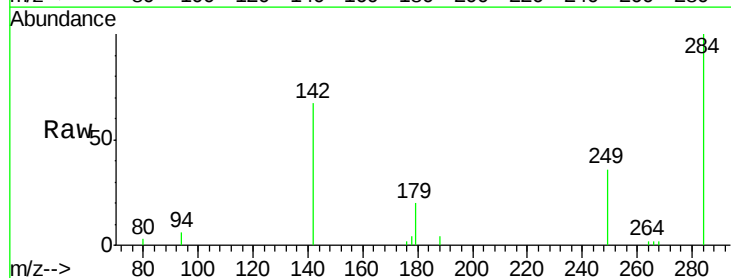
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion:188 Resp: 133669
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 11.9 9.5 14.3



#14
Hexachlorobenzene
Concen: 0.90 ng
RT: 18.99 min Scan# 3089
Delta R.T. 0.00 min
Lab File: BE089670.D
Acq: 24 Feb 2015 14:21

Tgt Ion:284 Resp: 3155
Ion Ratio Lower Upper
284 100
142 69.3 55.4 83.2
249 34.0 27.2 40.8

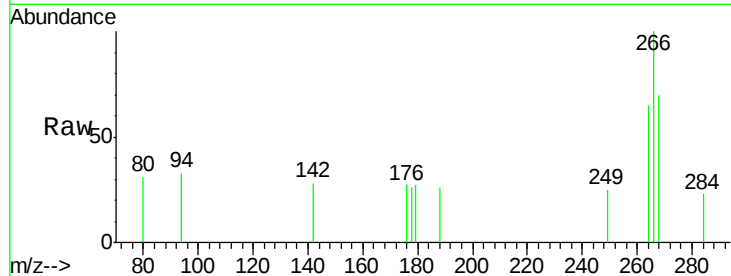




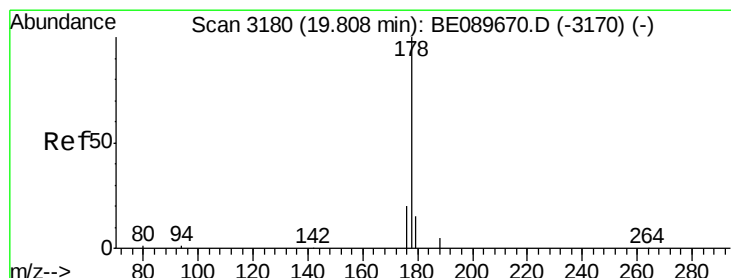
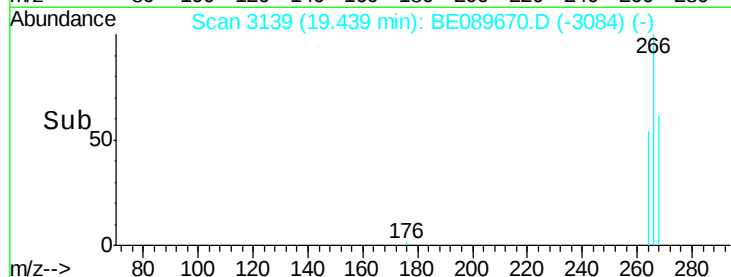
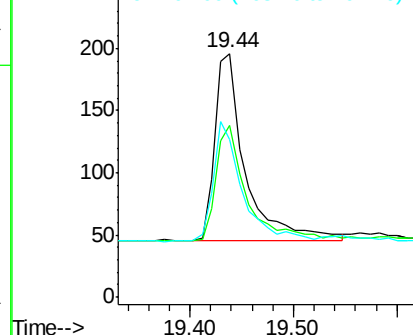
#15
 Pentachlorophenol
 Concen: 0.61 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.00 min
 Lab File: BE089670.D
 Acq: 24 Feb 2015 14:21

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion: 266 Resp: 315
 Ion Ratio Lower Upper
 266 100
 268 70.4 56.3 84.5
 264 64.8 51.8 77.8

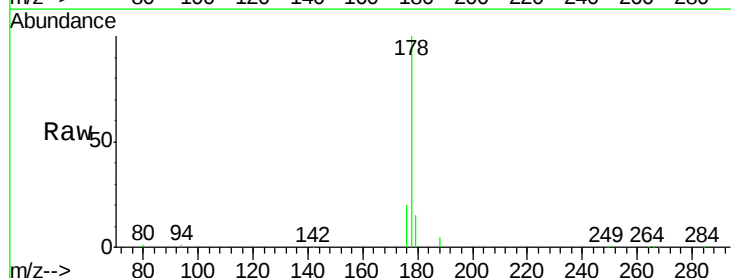


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

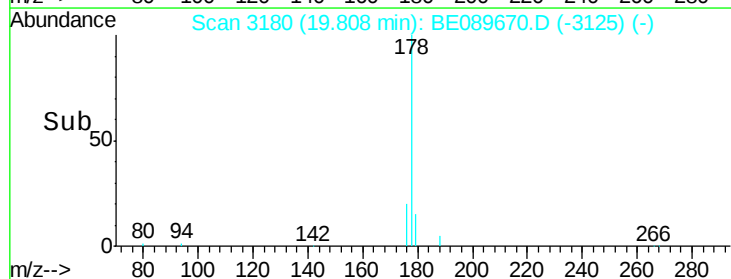
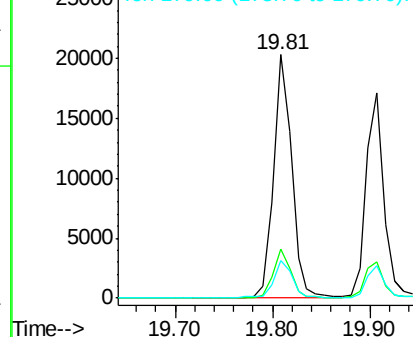


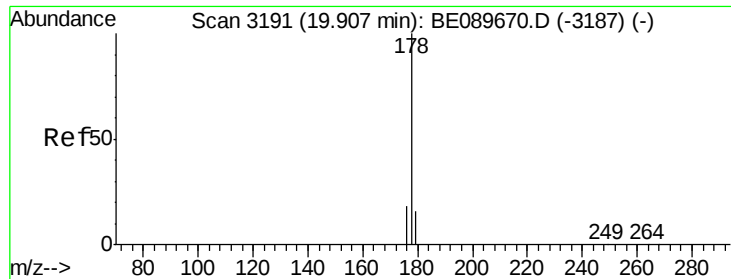
#16
 Phenanthrene
 Concen: 0.91 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: BE089670.D
 Acq: 24 Feb 2015 14:21

Tgt Ion: 178 Resp: 25837
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 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





#17

Anthracene

Concen: 0.93 ng

RT: 19.91 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

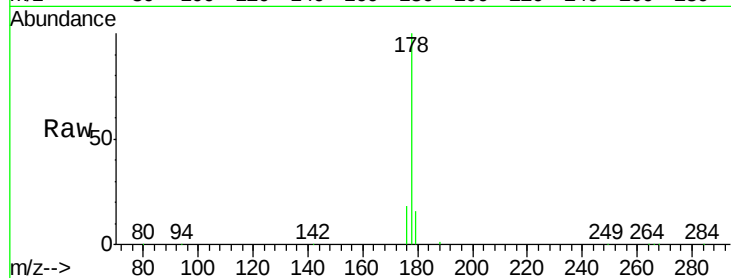
Tgt Ion:178 Resp: 22322

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

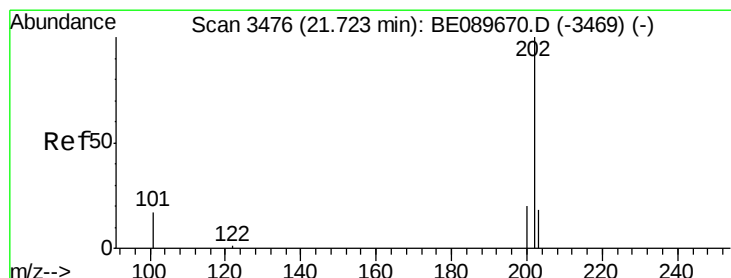
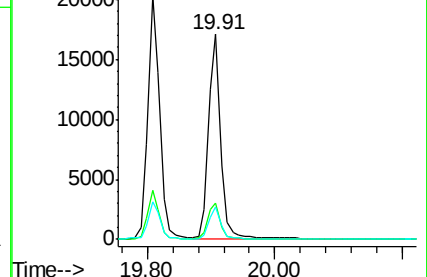
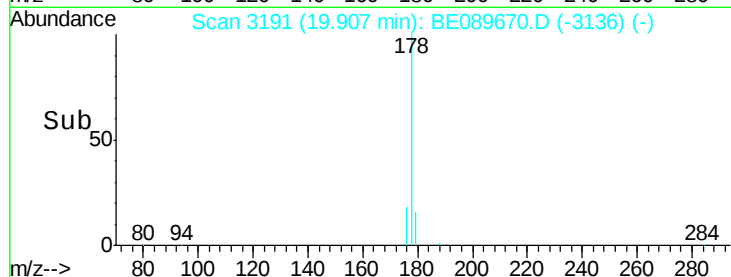
179 15.2 12.2 18.2



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: 0.92 ng

RT: 21.72 min Scan# 3476

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

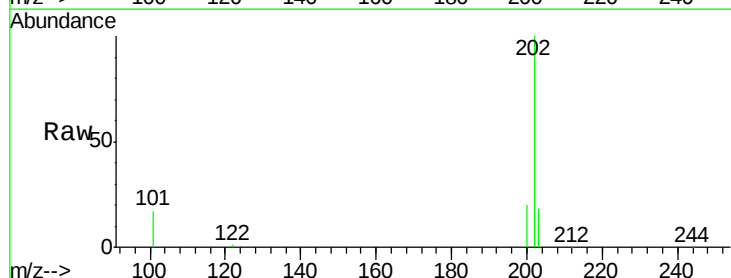
Tgt Ion:202 Resp: 22079

Ion Ratio Lower Upper

202 100

101 18.6 14.9 22.3

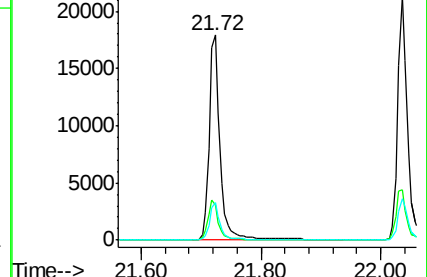
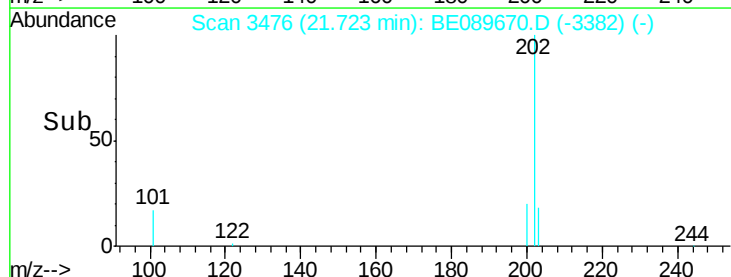
203 17.2 13.8 20.6

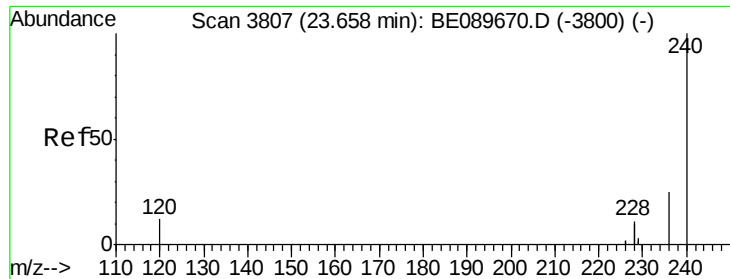


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

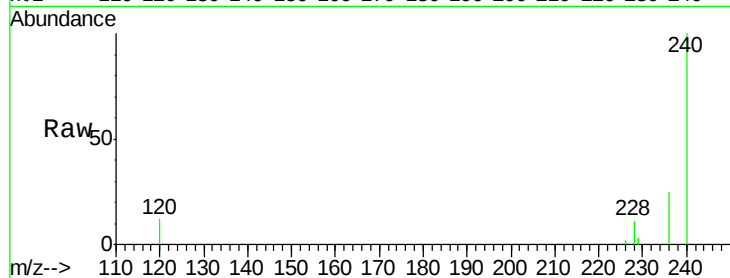
Tgt Ion:240 Resp: 126847

Ion Ratio Lower Upper

240 100

120 11.7 9.4 14.0

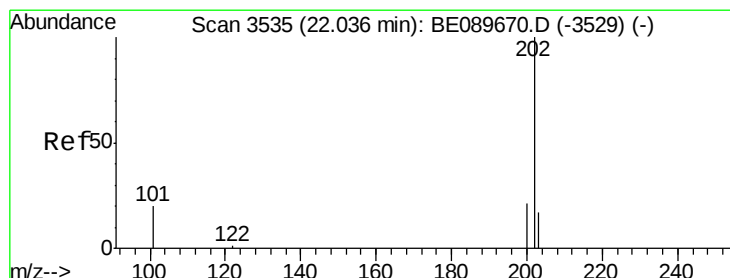
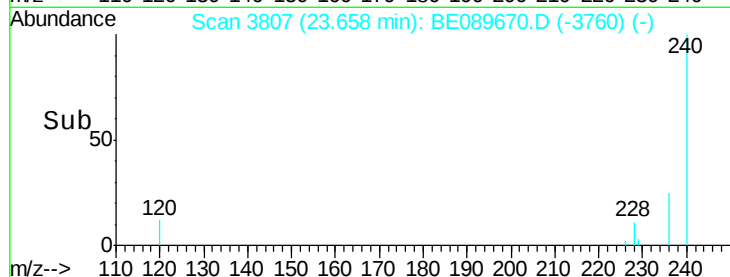
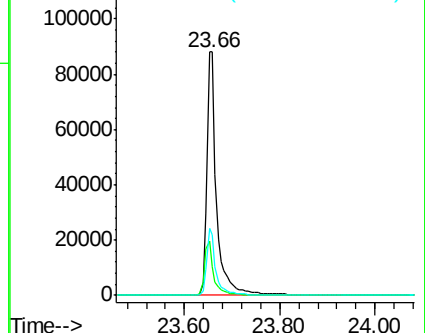
236 24.9 19.9 29.9



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



#20

Pyrene

Concen: 0.80 ng

RT: 22.04 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

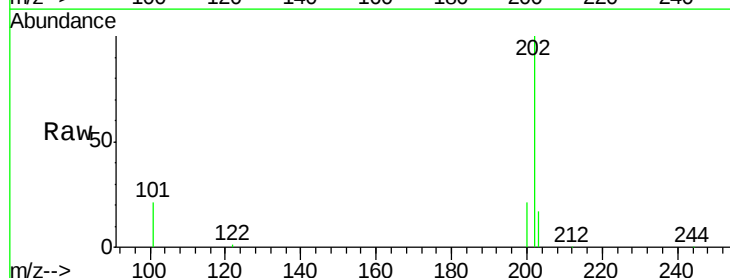
Tgt Ion:202 Resp: 23995

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

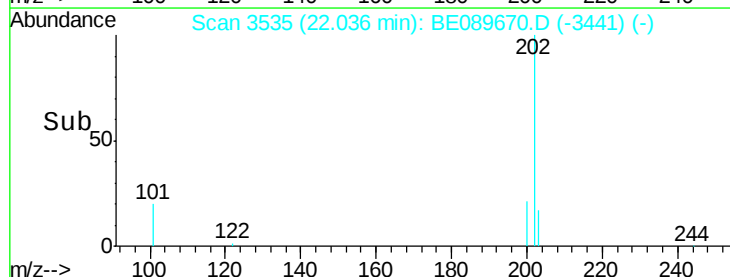
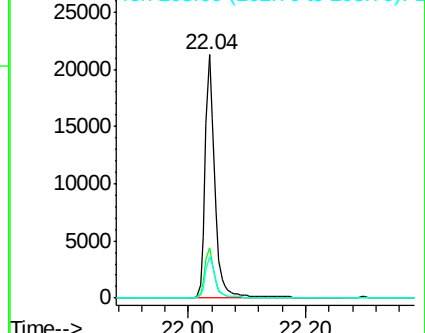
203 17.4 13.9 20.9



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: 0.72 ng

RT: 22.30 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

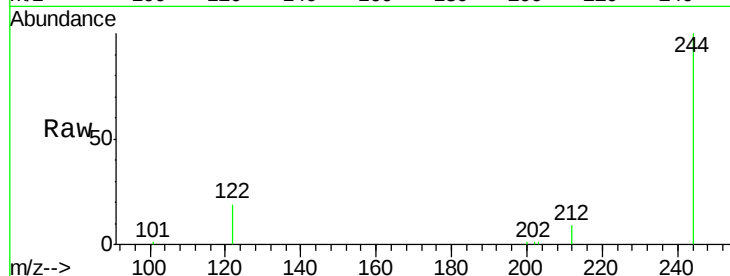
Tgt Ion:244 Resp: 11470

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

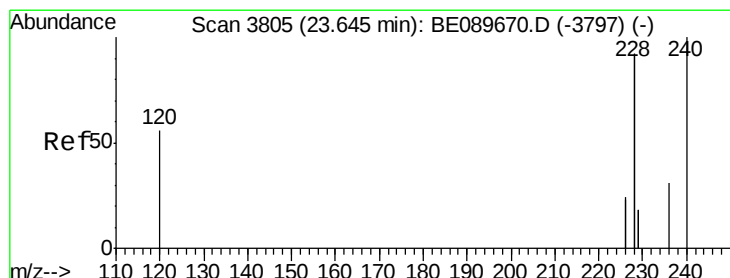
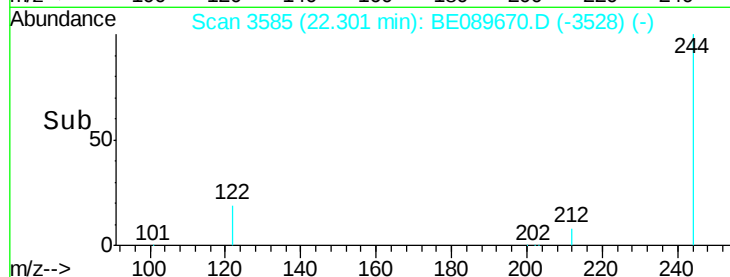
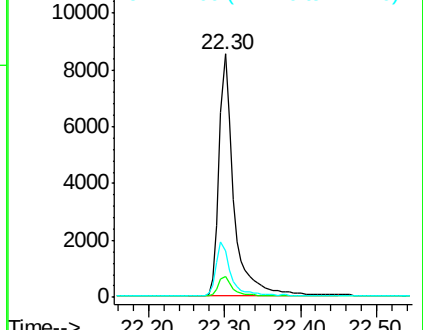
122 19.2 15.4 23.0



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: 0.84 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

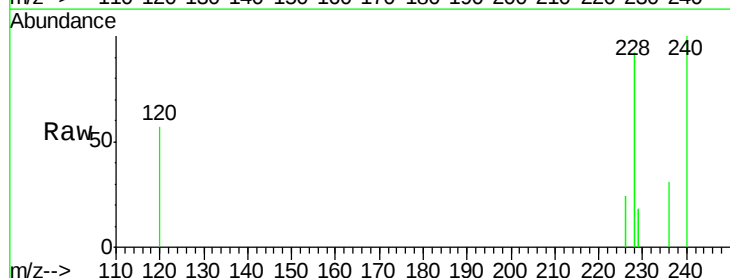
Tgt Ion:228 Resp: 71252

Ion Ratio Lower Upper

228 100

226 25.8 20.6 31.0

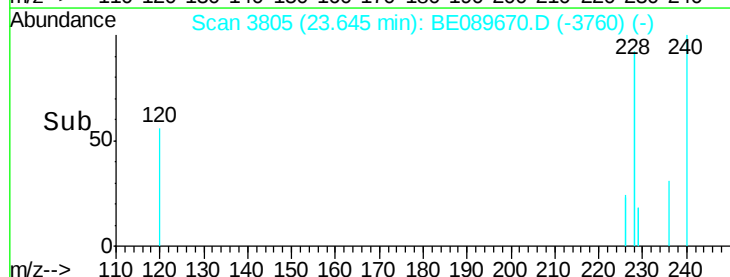
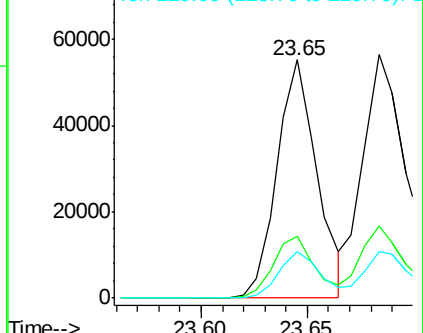
229 19.7 15.8 23.6



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: 0.90 ng

RT: 23.68 min Scan# 3811

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

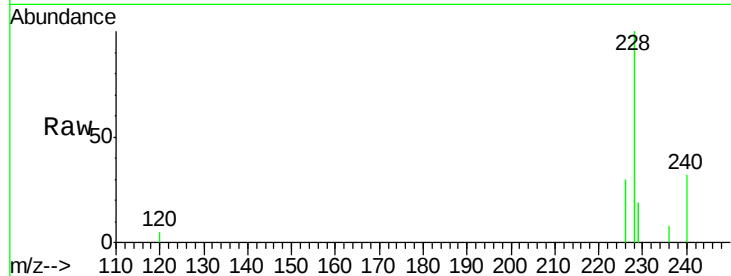
Tgt Ion:228 Resp: 104502

Ion Ratio Lower Upper

228 100

226 29.5 23.6 35.4

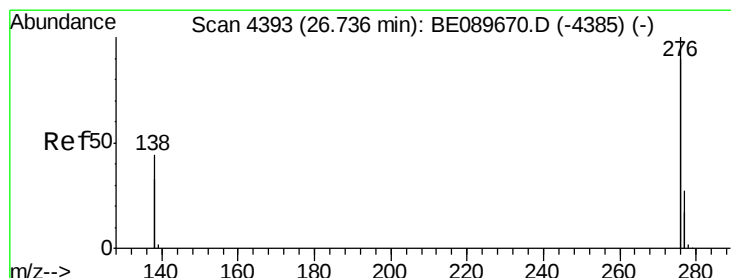
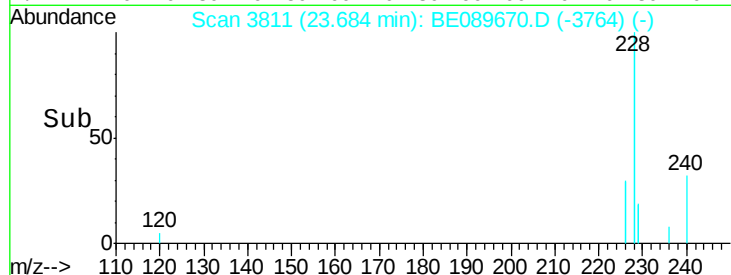
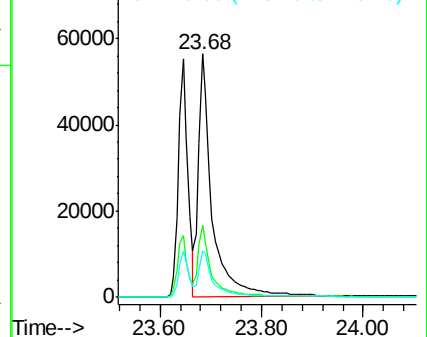
229 19.1 15.3 22.9



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.57 ng

RT: 26.74 min Scan# 4393

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

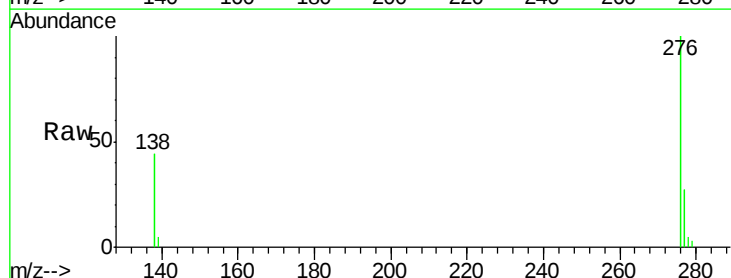
Tgt Ion:276 Resp: 26197

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

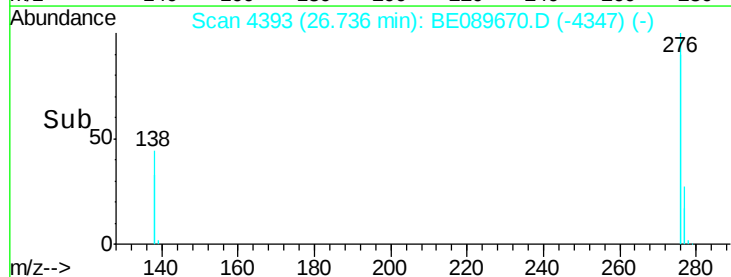
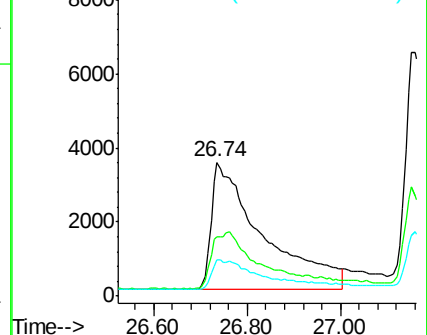
277 6.6 5.2 7.8

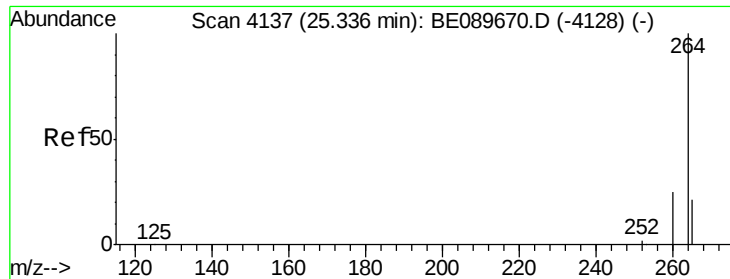


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

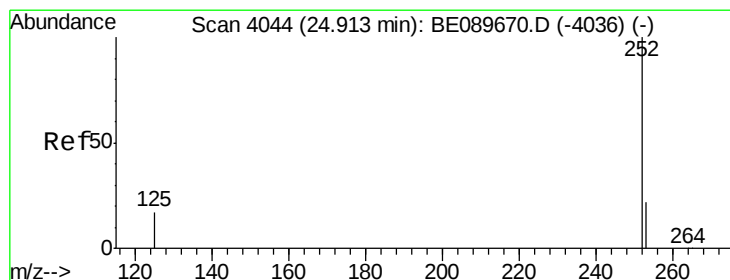
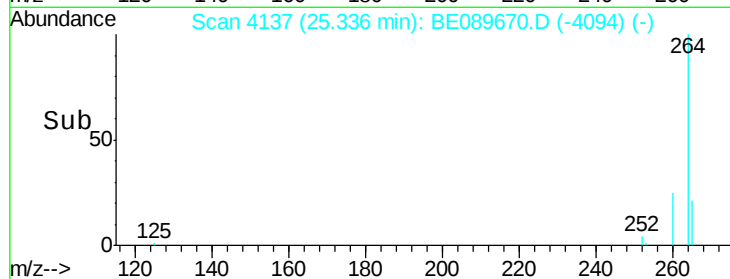
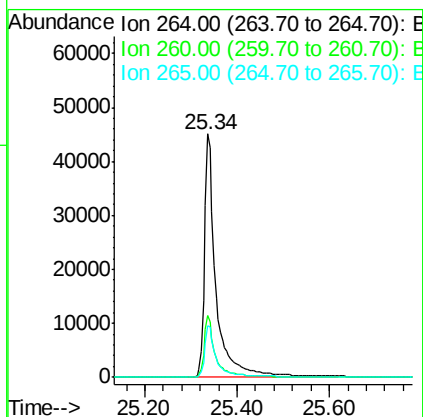
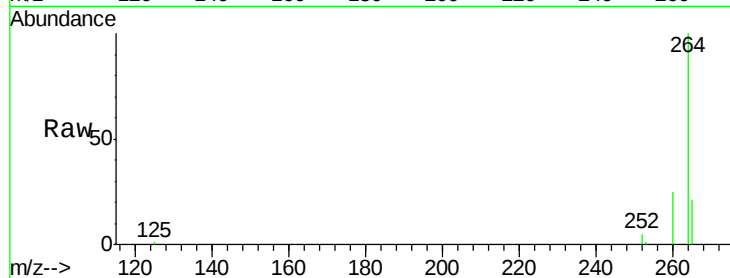




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4137
 Delta R.T. 0.00 min
 Lab File: BE089670.D
 Acq: 24 Feb 2015 14:21

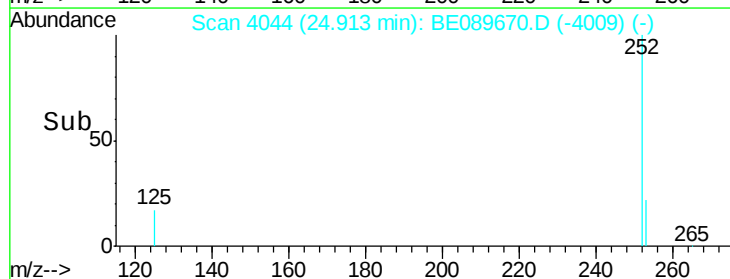
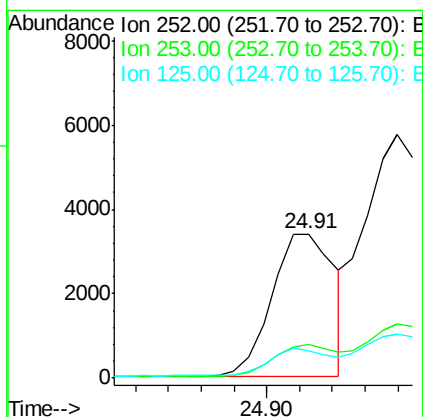
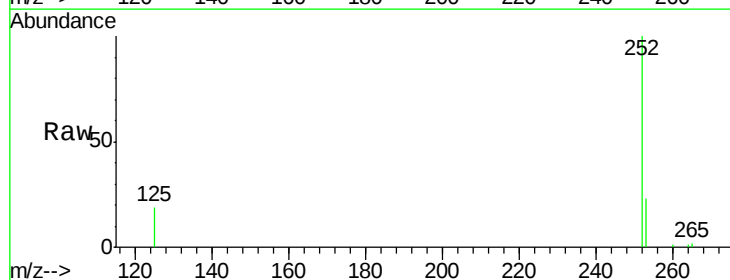
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

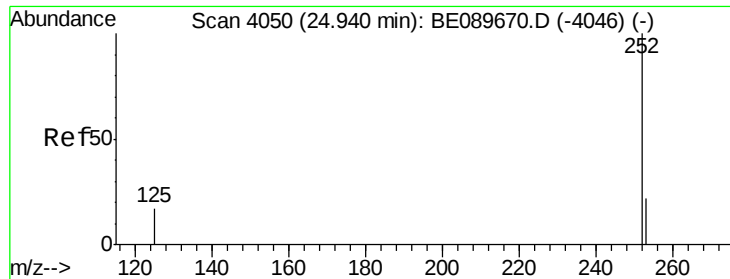
Tgt Ion: 264 Resp: 78438
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.2 30.4
 265 21.2 17.0 25.4



#26
 Benzo(b)fluoranthene
 Concen: 0.58 ng
 RT: 24.91 min Scan# 4044
 Delta R.T. 0.00 min
 Lab File: BE089670.D
 Acq: 24 Feb 2015 14:21

Tgt Ion: 252 Resp: 4476
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.6 27.8
 125 18.8 15.0 22.6





#27

Benzo(k)fluoranthene

Concen: 1.00 ng

RT: 24.94 min Scan# 4050

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

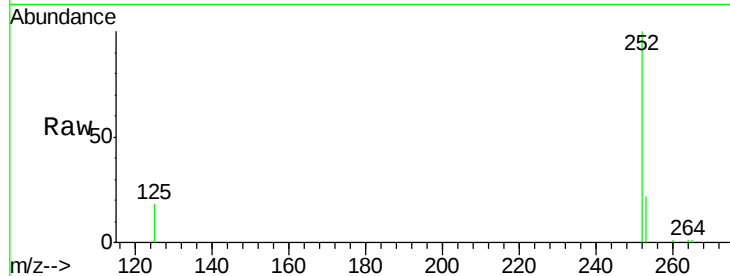
Tgt Ion:252 Resp: 17793

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 17.9 14.3 21.5

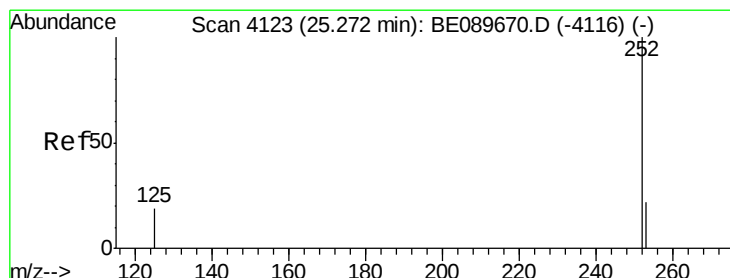
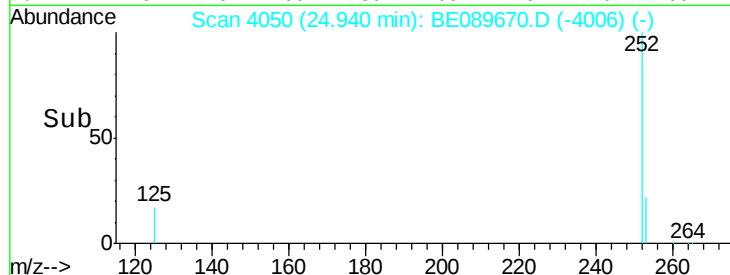
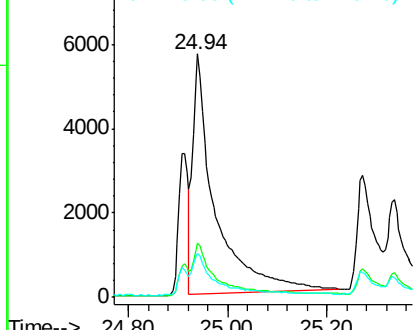


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 0.71 ng

RT: 25.27 min Scan# 4123

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

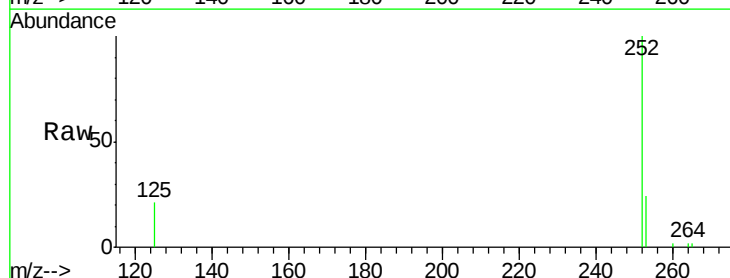
Tgt Ion:252 Resp: 5938

Ion Ratio Lower Upper

252 100

253 23.5 18.8 28.2

125 20.7 16.6 24.8

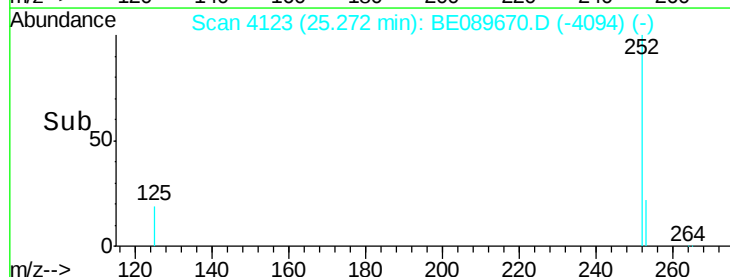
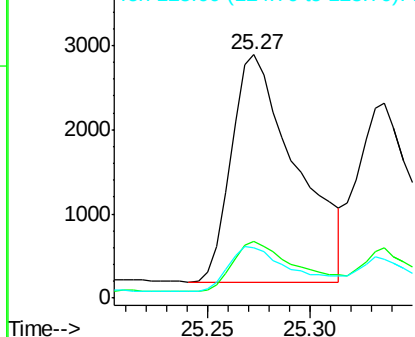


Abundance

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





#29

Dibenzo(a,h)anthracene

Concen: 0.67 ng

RT: 26.77 min Scan# 4398

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

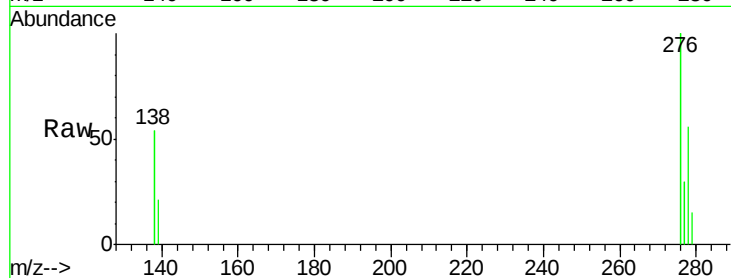
Tgt Ion:278 Resp: 4594

Ion Ratio Lower Upper

278 100

139 38.0 30.4 45.6

279 27.5 22.0 33.0



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

26.77

800

600

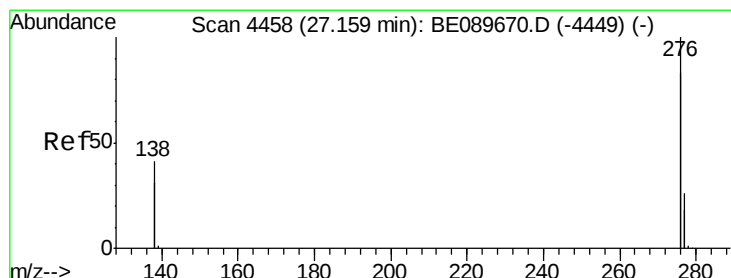
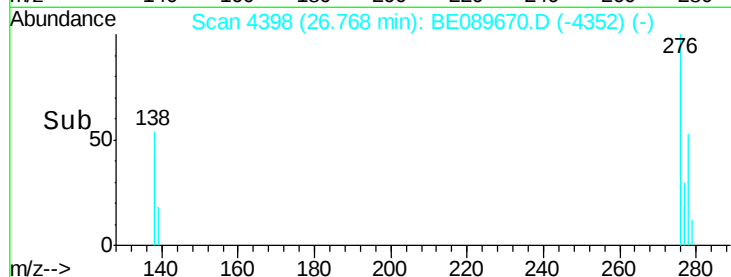
400

200

0

26.60 26.80 27.00

Time-->



#30

Benzo(g,h,i)perylene

Concen: 0.83 ng

RT: 27.16 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BE089670.D

Acq: 24 Feb 2015 14:21

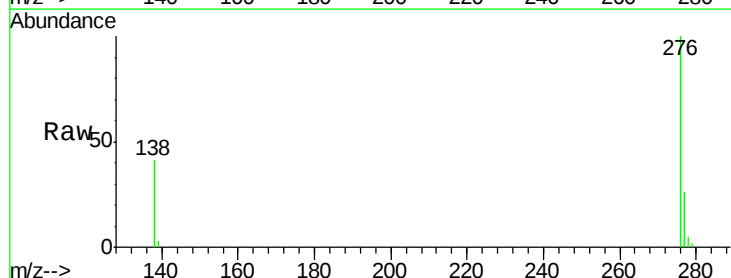
Tgt Ion:276 Resp: 31632

Ion Ratio Lower Upper

276 100

277 26.3 21.0 31.6

138 41.2 33.0 49.4



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

27.16

8000

6000

4000

2000

0

27.00 27.20 27.40

Time-->

