

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089615.D
 Acq On : 18 Feb 2015 4:48
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Quant Time: Feb 18 05:39:53 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 05:28:48 2015
 Response via : Initial Calibration

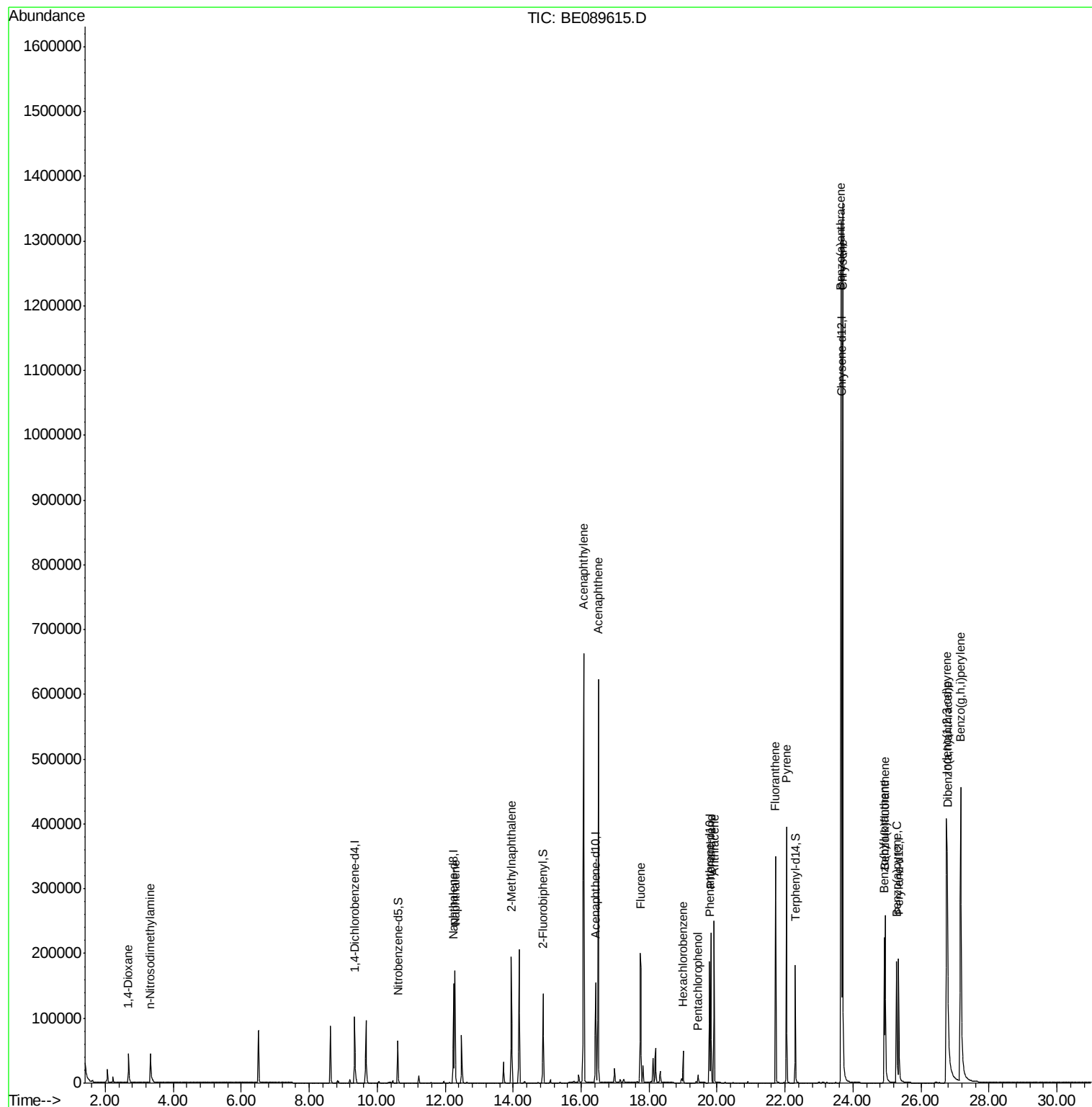
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	46251	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	184879	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	92099	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	179899	5.00	ng	0.00
19) Chrysene-d12	23.66	240	199730	5.00	ng	0.00
25) Perylene-d12	25.34	264	167543	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	47367	5.73	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	125095	4.37	ng	0.00
21) Terphenyl-d14	22.30	244	148708	4.10	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.68	88	27986	4.57	ng	99
3) n-Nitrosodimethylamine	3.32	42	29474	4.94	ng	# 99
6) Naphthalene	12.30	128	206692	4.53	ng	100
7) 2-Methylnaphthalene	13.95	142	133838	4.59	ng	98
10) Acenaphthylene	16.07	152	817849	4.77	ng	100
11) Acenaphthene	16.50	154	124091	4.42	ng	97
12) Fluorene	17.74	166	146621	4.65	ng	99
14) Hexachlorobenzene	19.00	284	39467	4.23	ng	99
15) Pentachlorophenol	19.44	266	9124	3.24	ng	98
16) Phenanthrene	19.82	178	223847	4.26	ng	100
17) Anthracene	19.91	178	213608	4.94	ng	100
18) Fluoranthene	21.72	202	239460	5.37	ng	100
20) Pyrene	22.04	202	261551	4.26	ng	99
22) Benzo(a)anthracene	23.65	228	968611	4.80	ng	99
23) Chrysene	23.69	228	971964	4.11	ng	99
24) Indeno(1,2,3-cd)pyrene	26.75	276	897115	5.23	ng	100
26) Benzo(b)fluoranthene	24.91	252	193415	5.87	ng	99
27) Benzo(k)fluoranthene	24.94	252	260224	4.82	ng	100
28) Benzo(a)pyrene	25.28	252	182004	5.70	ng	99
29) Dibenzo(a,h)anthracene	26.78	278	177619	5.51	ng	99
30) Benzo(g,h,i)perylene	27.17	276	755384	4.79	ng	99

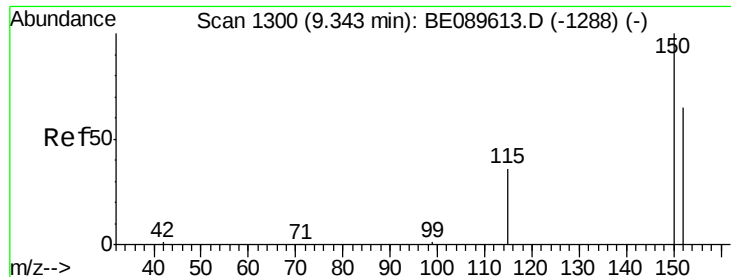
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

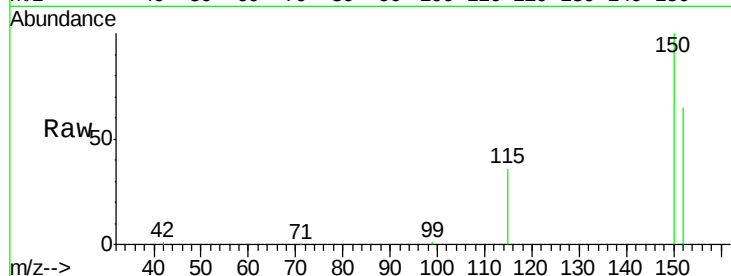
Tgt Ion:152 Resp: 46251

Ion Ratio Lower Upper

152 100

150 152.9 122.4 183.6

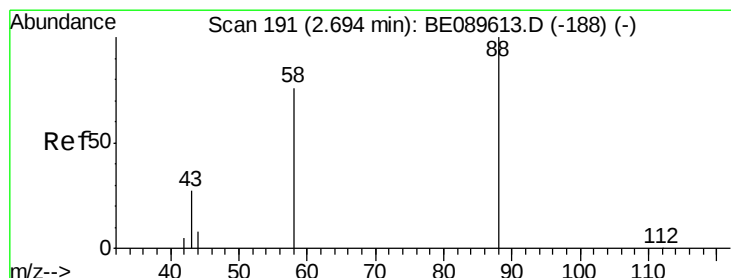
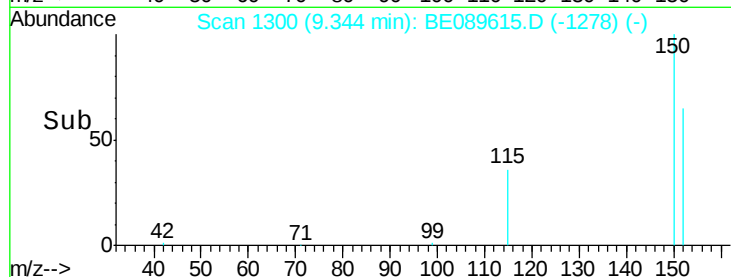
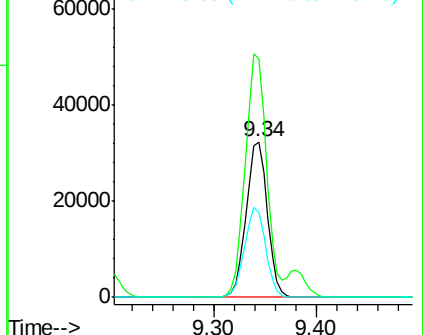
115 54.5 44.2 66.2



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: 4.57 ng

RT: 2.68 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

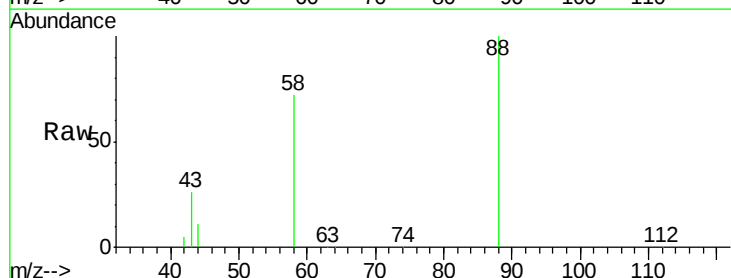
Tgt Ion: 88 Resp: 27986

Ion Ratio Lower Upper

88 100

58 69.7 54.6 81.8

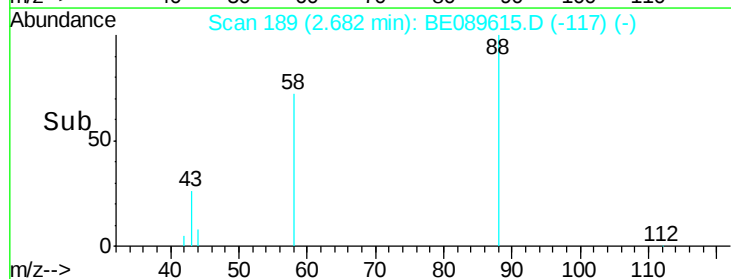
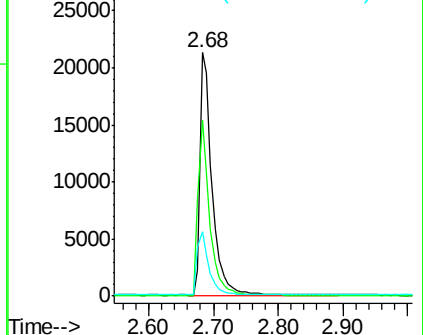
43 25.7 20.6 30.8

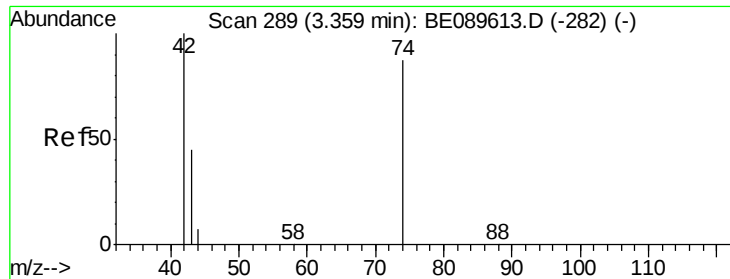


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



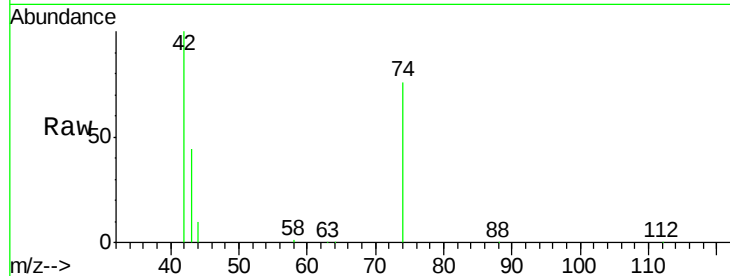


#3

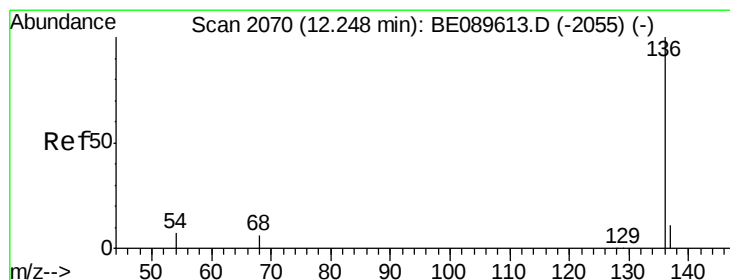
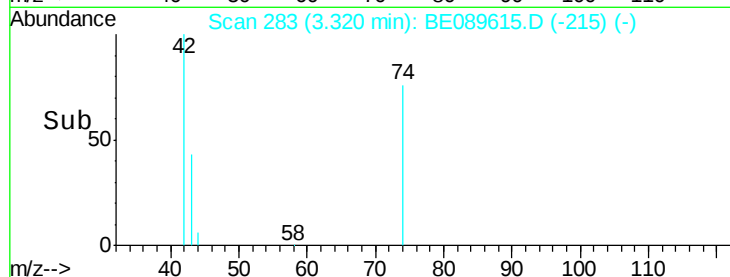
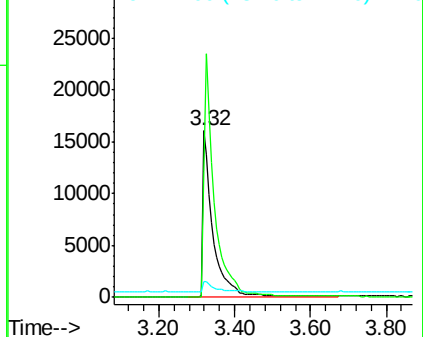
n-Nitrosodimethylamine
 Concen: 4.94 ng
 RT: 3.32 min Scan# 283
 Delta R.T. -0.04 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Tgt Ion: 42 Resp: 29474
 Ion Ratio Lower Upper
 42 100
 74 152.8 121.4 182.0
 44 7.0 4.5 6.7#



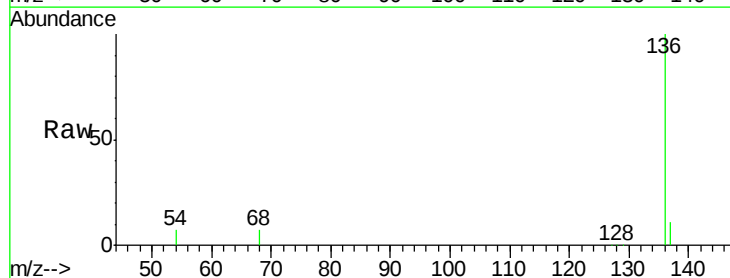
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



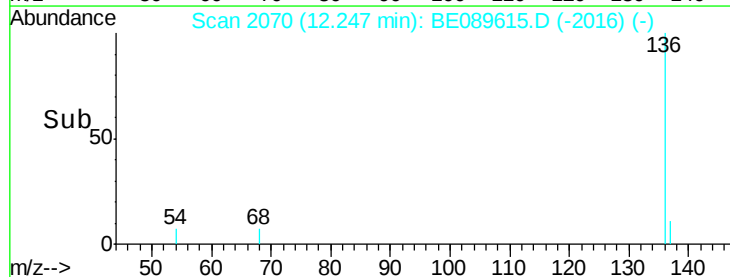
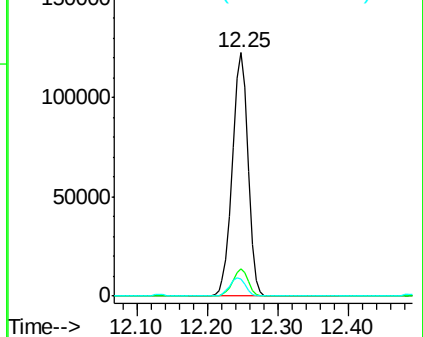
#4

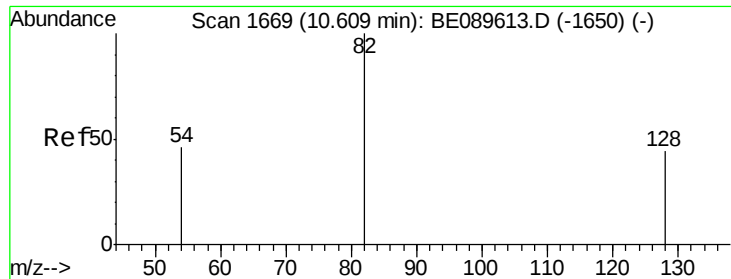
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

Tgt Ion: 136 Resp: 184879
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 7.1 5.3 7.9



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: 5.73 ng

RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

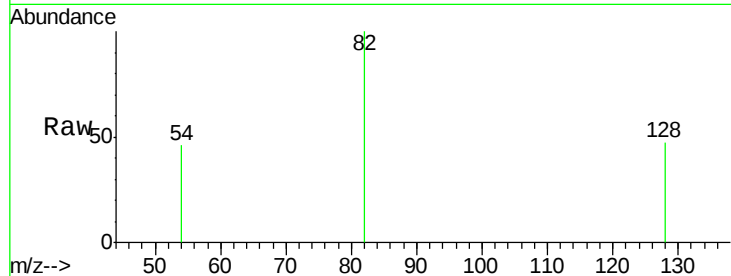
Tgt Ion: 82 Resp: 47367

Ion Ratio Lower Upper

82 100

128 46.7 35.5 53.3

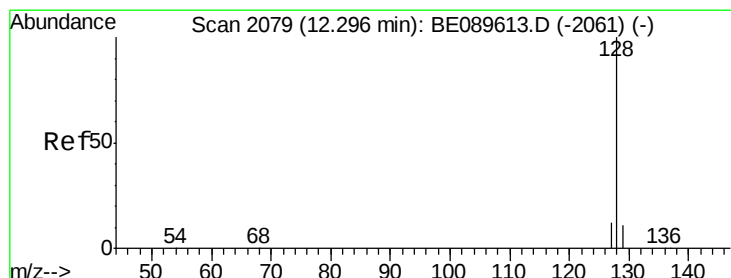
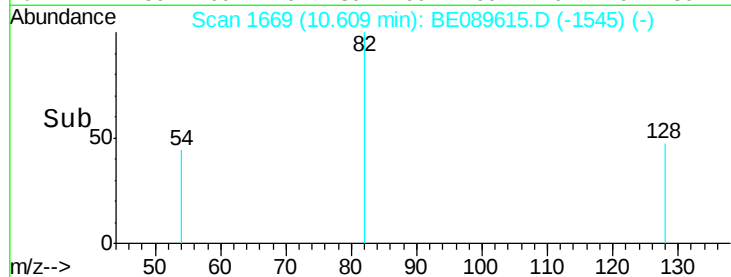
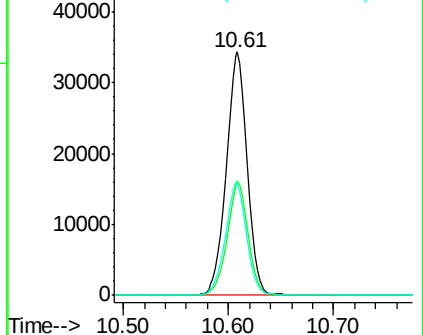
54 46.1 37.5 56.3



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: 4.53 ng

RT: 12.30 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

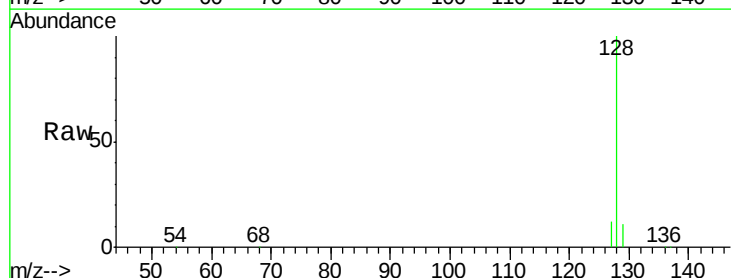
Tgt Ion: 128 Resp: 206692

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

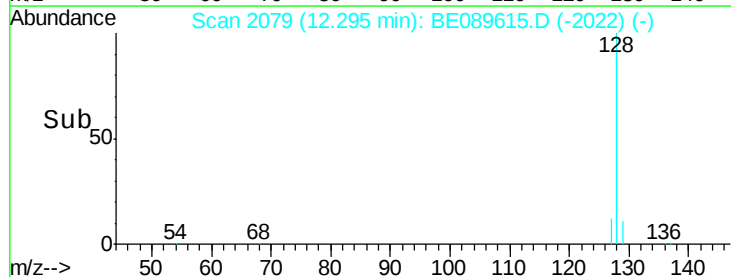
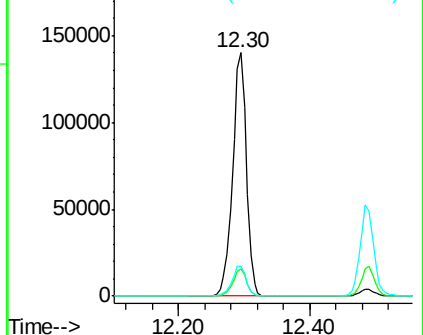
127 12.4 9.8 14.8



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: 4.59 ng

RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDICC005

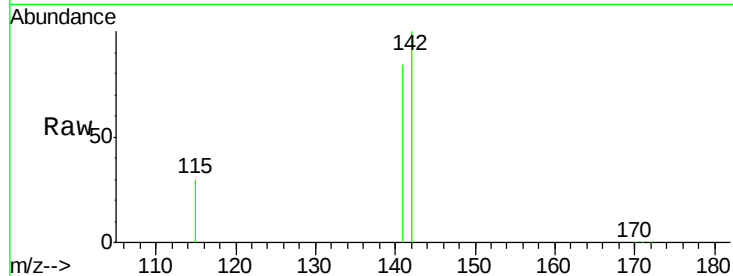
Tgt Ion:142 Resp: 133838

Ion Ratio Lower Upper

142 100

141 83.9 68.3 102.5

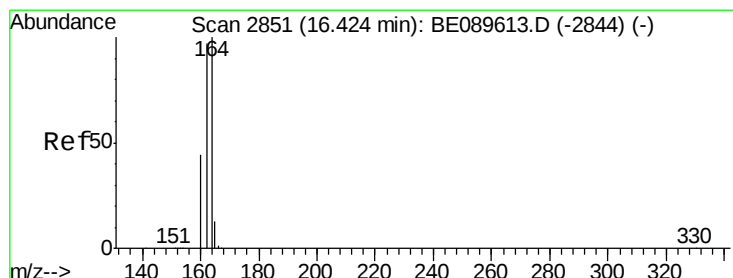
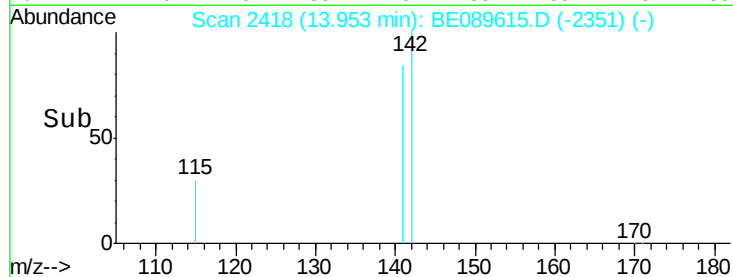
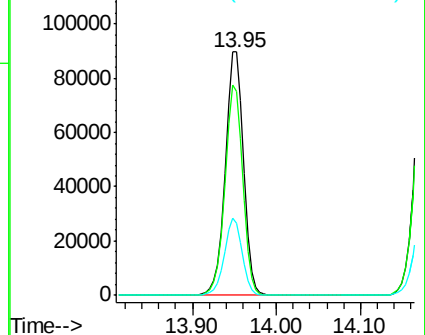
115 29.7 25.1 37.7



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. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

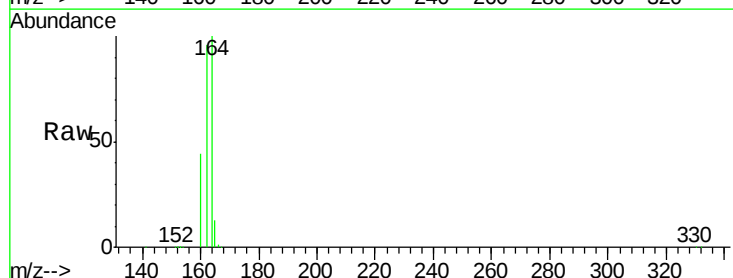
Tgt Ion:164 Resp: 92099

Ion Ratio Lower Upper

164 100

162 95.9 77.5 116.3

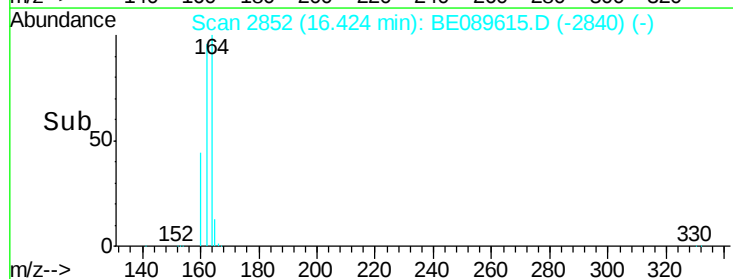
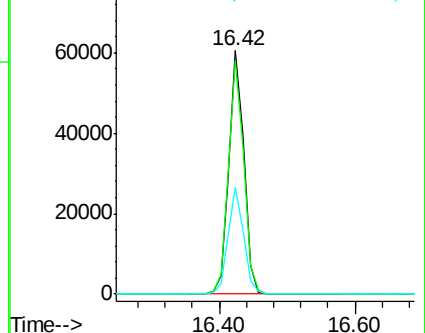
160 44.0 35.5 53.3



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

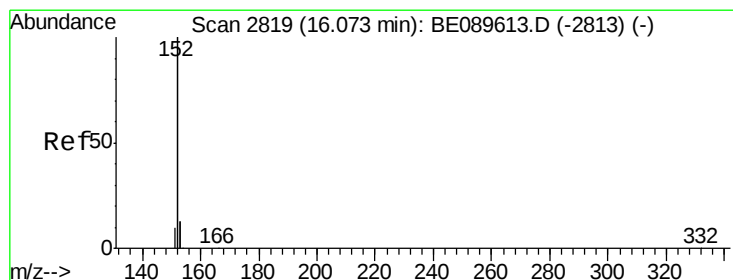
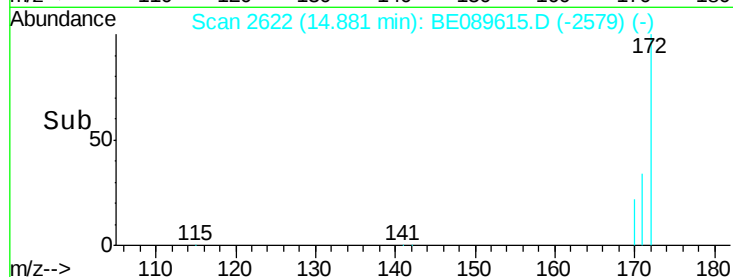
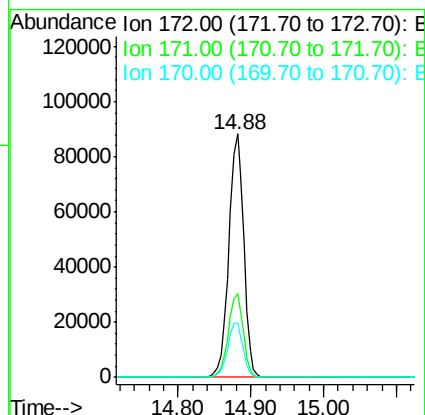
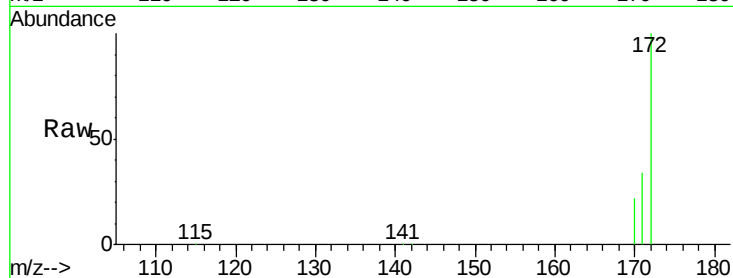




#9
2-Fluorobiphenyl
Concen: 4.37 ng
RT: 14.88 min Scan# 2622
Delta R.T. -0.00 min
Lab File: BE089615.D
Acq: 18 Feb 2015 4:48

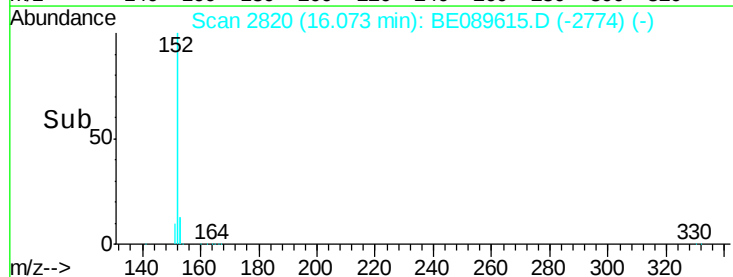
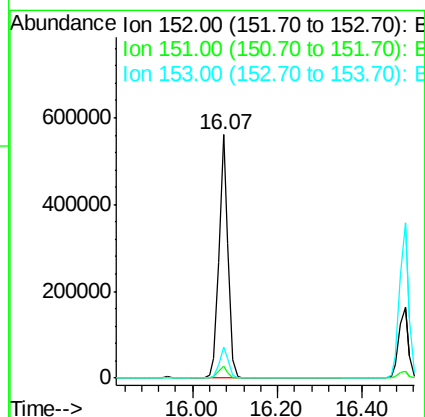
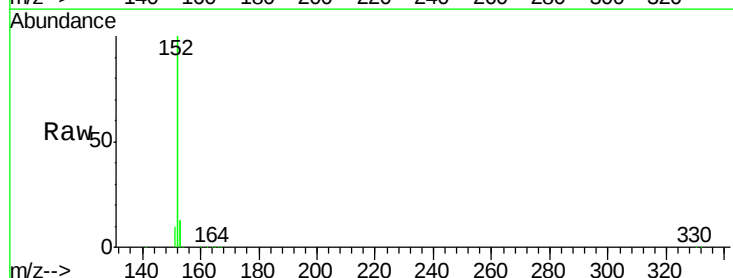
Instrument :
BNA_E
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SSTDIC005

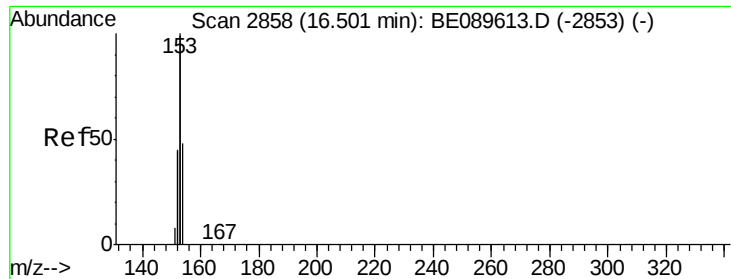
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	26.9	40.3
170	22.2	17.4	26.0



#10
Acenaphthylene
Concen: 4.77 ng
RT: 16.07 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE089615.D
Acq: 18 Feb 2015 4:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.5	15.7





#11

Acenaphthene

Concen: 4.42 ng

RT: 16.50 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

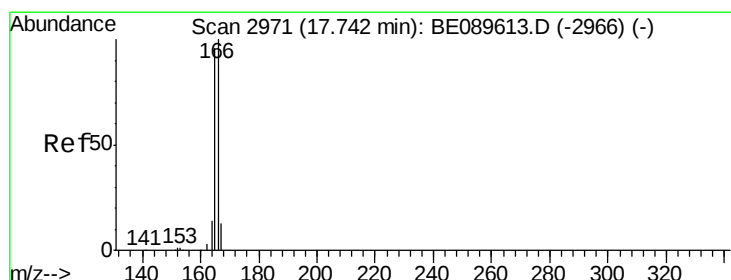
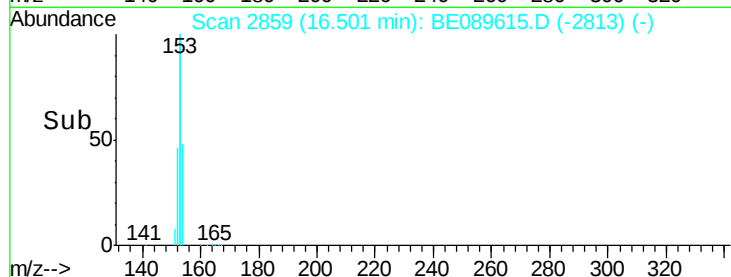
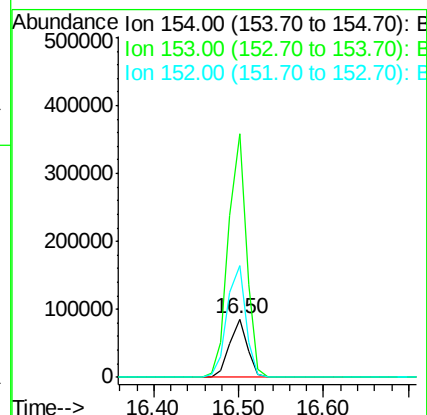
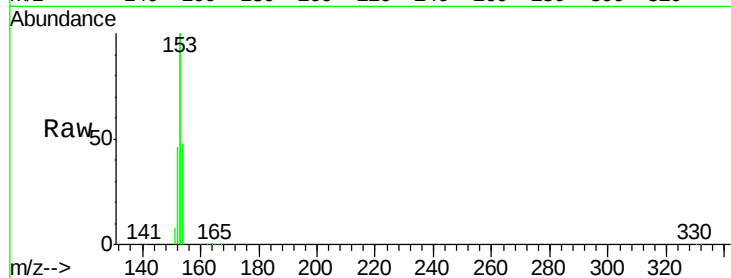
Tgt Ion:154 Resp: 124091

Ion Ratio Lower Upper

154 100

153 427.4 348.9 523.3

152 203.0 166.6 249.8



#12

Fluorene

Concen: 4.65 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

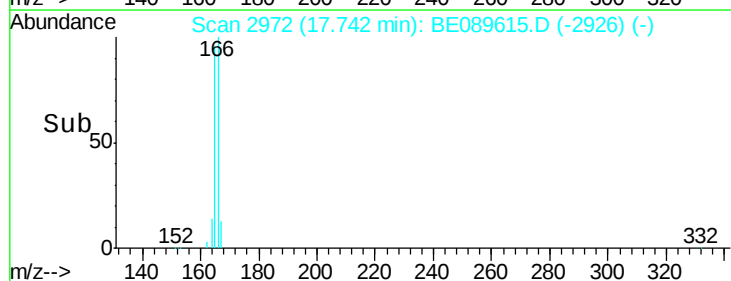
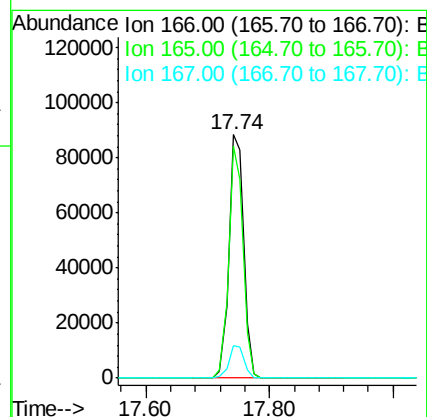
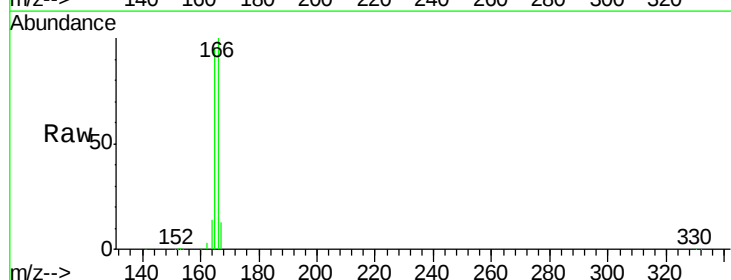
Tgt Ion:166 Resp: 146621

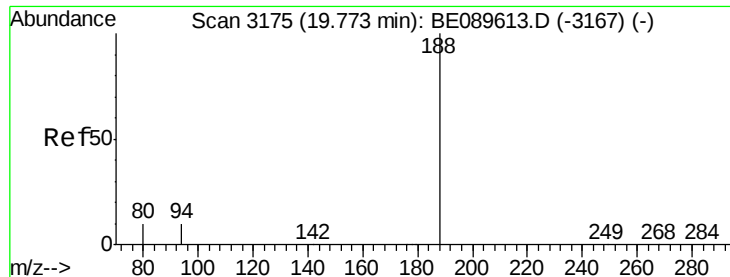
Ion Ratio Lower Upper

166 100

165 92.4 74.7 112.1

167 13.2 10.5 15.7





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

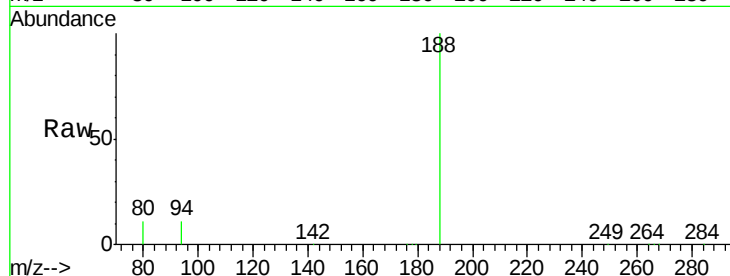
Tgt Ion:188 Resp: 179899

Ion Ratio Lower Upper

188 100

94 10.8 8.2 12.4

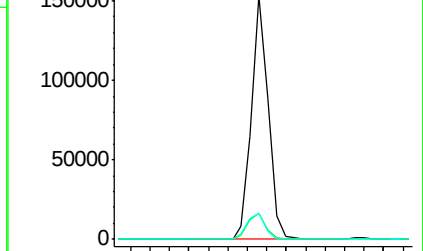
80 10.9 8.1 12.1



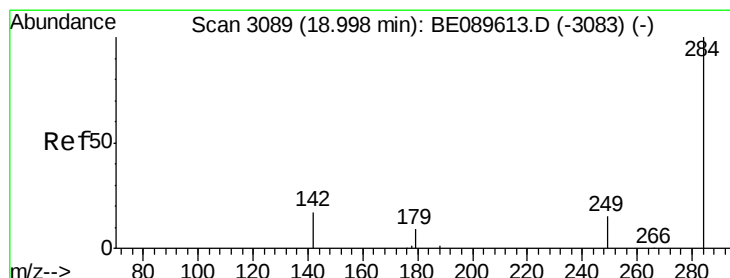
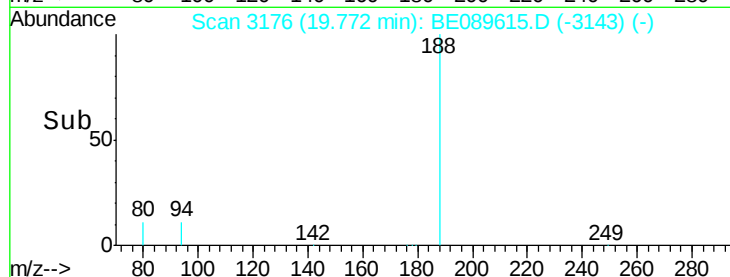
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#14

Hexachlorobenzene

Concen: 4.23 ng

RT: 19.00 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

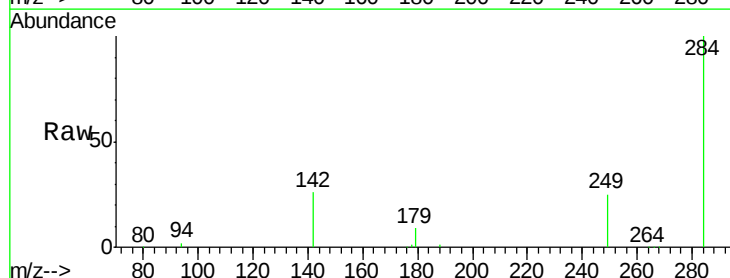
Tgt Ion:284 Resp: 39467

Ion Ratio Lower Upper

284 100

142 39.6 32.3 48.5

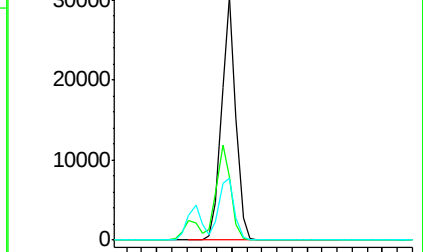
249 27.6 22.3 33.5



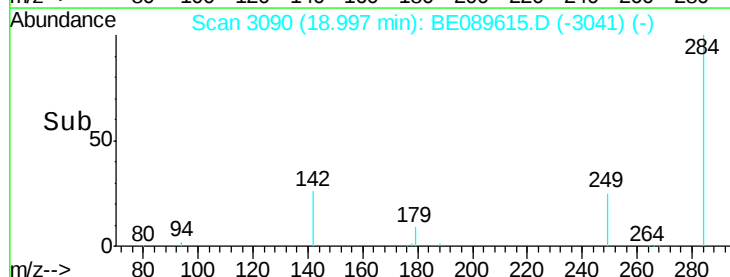
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->

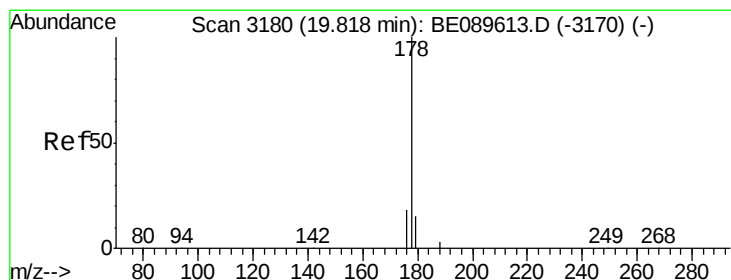
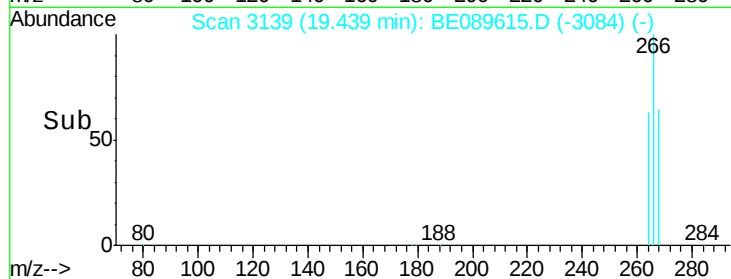
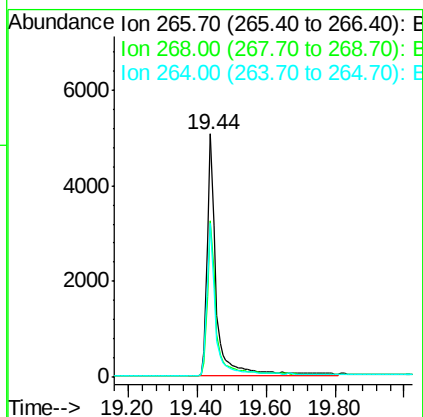
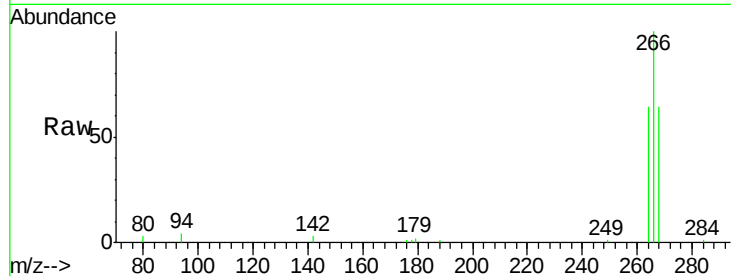




#15
 Pentachlorophenol
 Concen: 3.24 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

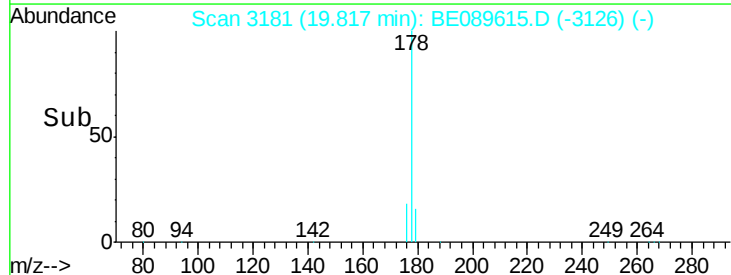
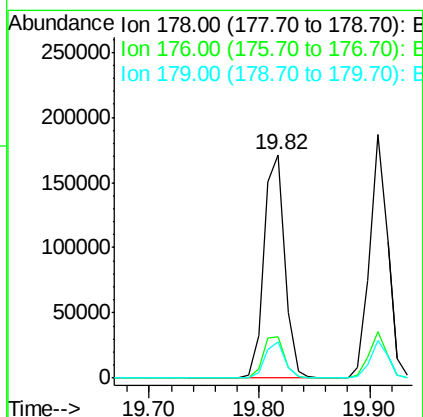
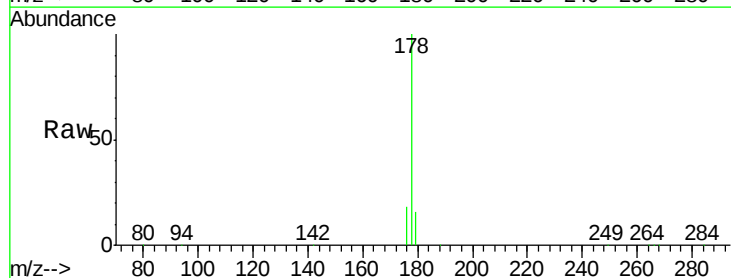
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Tgt Ion: 266 Resp: 9124
 Ion Ratio Lower Upper
 266 100
 268 64.3 52.6 79.0
 264 63.5 51.8 77.8



#16
 Phenanthrene
 Concen: 4.26 ng
 RT: 19.82 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

Tgt Ion: 178 Resp: 223847
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 15.5 12.3 18.5

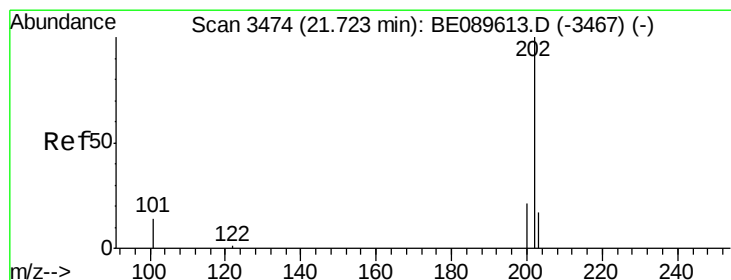
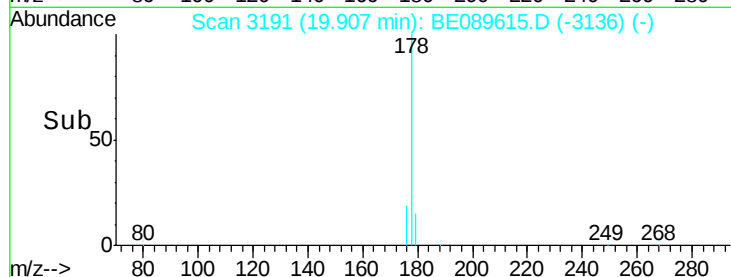
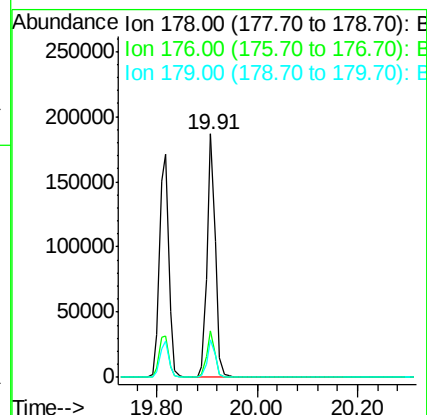
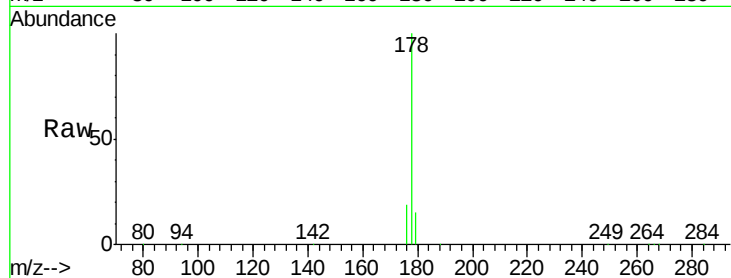




#17
 Anthracene
 Concen: 4.94 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

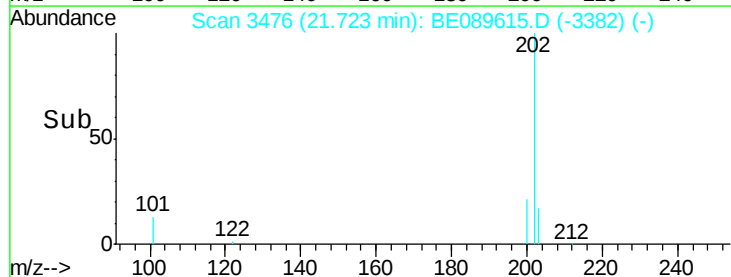
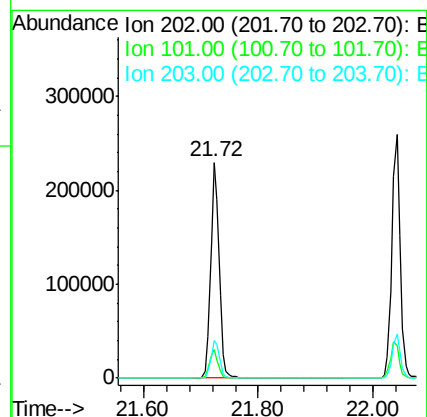
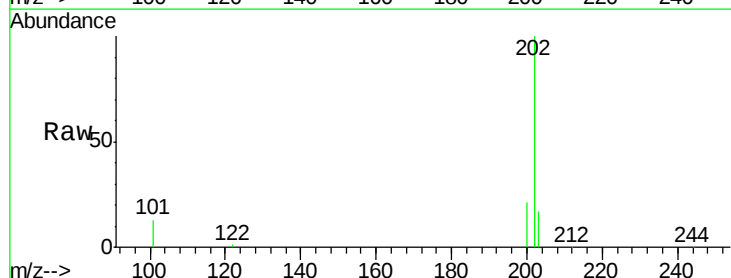
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

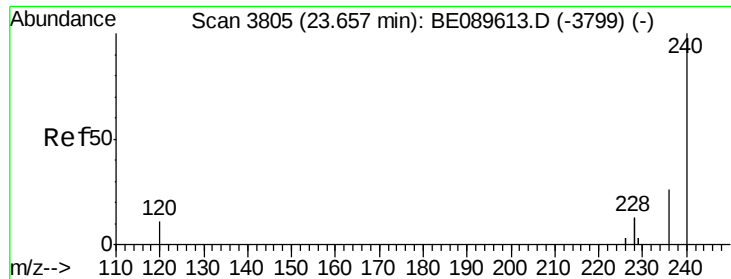
Tgt Ion:178 Resp: 213608
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 22.0
 179 15.4 12.3 18.5



#18
 Fluoranthene
 Concen: 5.37 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

Tgt Ion:202 Resp: 239460
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.4 15.6
 203 17.6 13.9 20.9





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

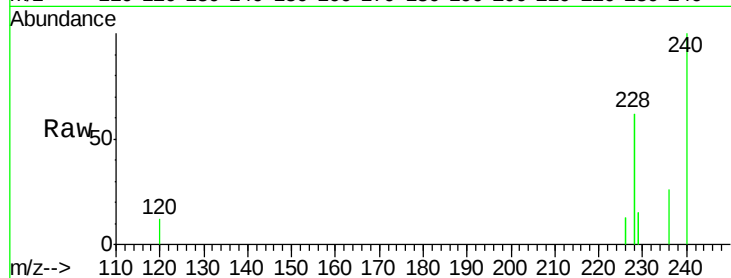
Tgt Ion:240 Resp: 199730

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

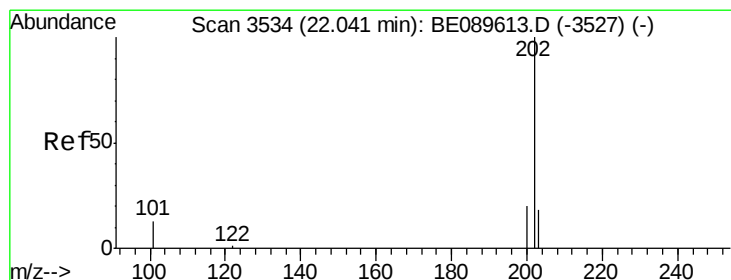
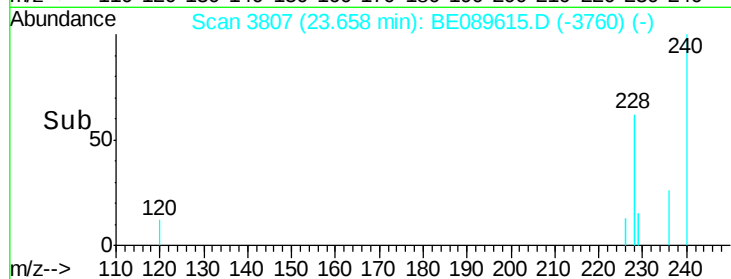
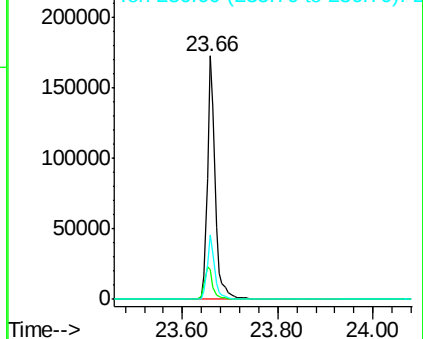
236 26.4 21.0 31.6



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: 4.26 ng

RT: 22.04 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

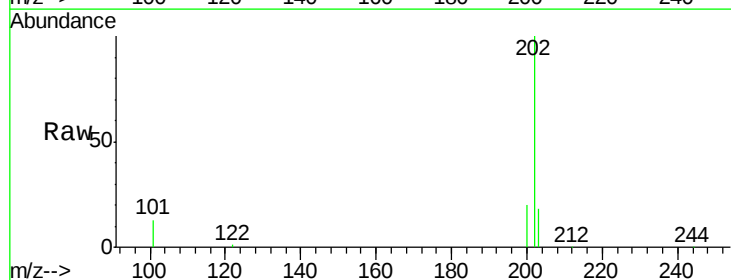
Tgt Ion:202 Resp: 261551

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

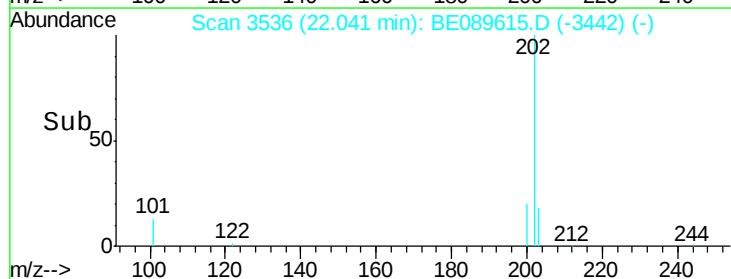
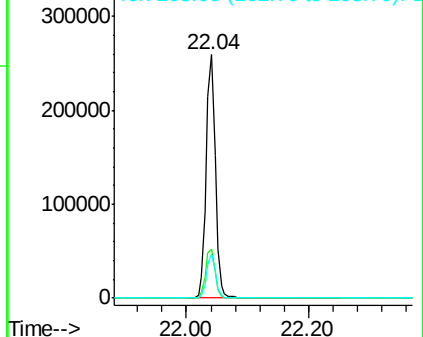
203 17.7 13.8 20.8



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: 4.10 ng

RT: 22.30 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

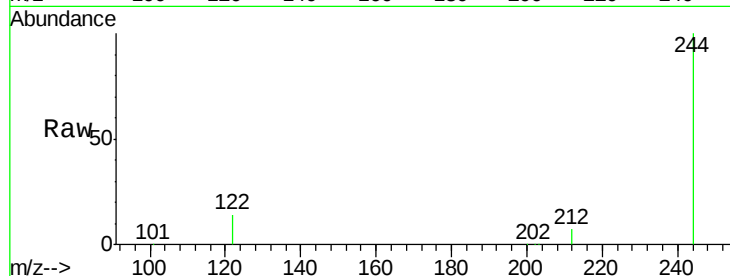
Tgt Ion:244 Resp: 148708

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

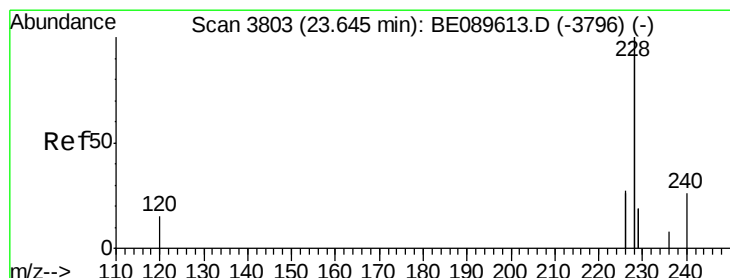
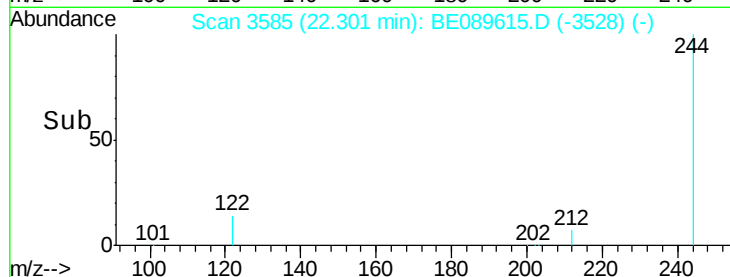
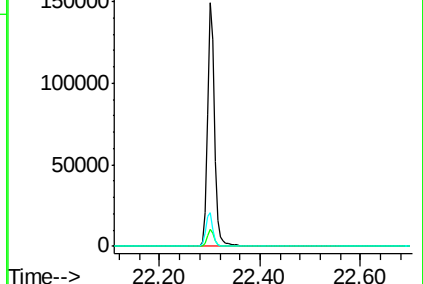
122 13.8 11.8 17.8



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: 4.80 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

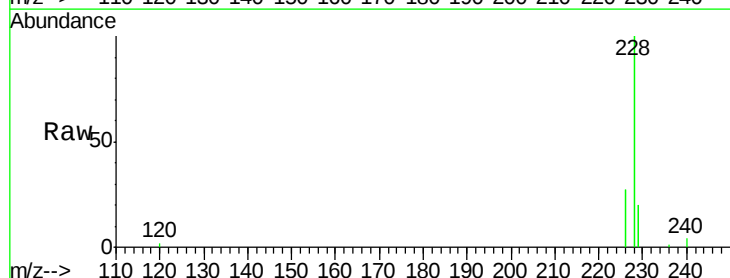
Tgt Ion:228 Resp: 968611

Ion Ratio Lower Upper

228 100

226 26.6 21.2 31.8

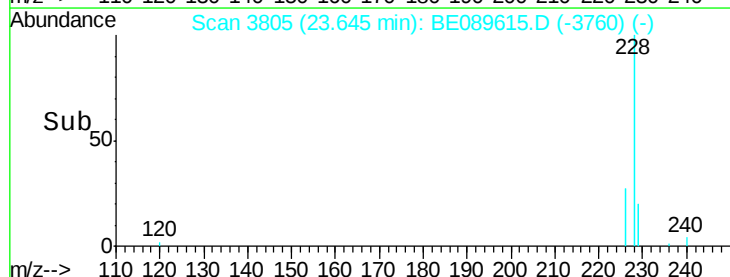
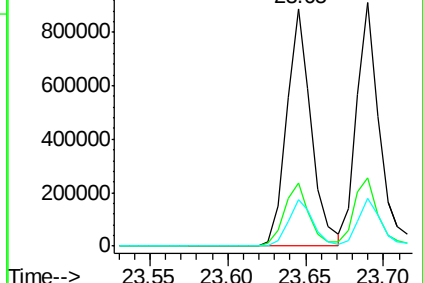
229 19.6 15.2 22.8



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: 4.11 ng

RT: 23.69 min Scan# 3812

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

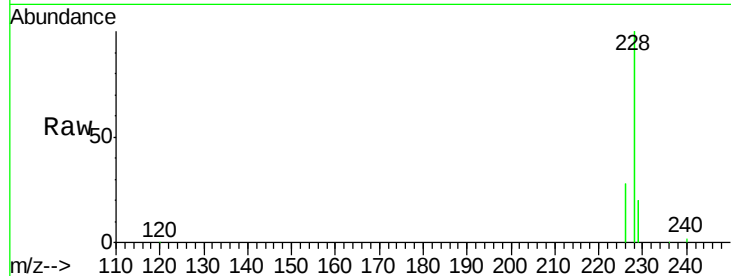
Tgt Ion: 228 Resp: 971964

Ion Ratio Lower Upper

228 100

226 28.2 22.2 33.4

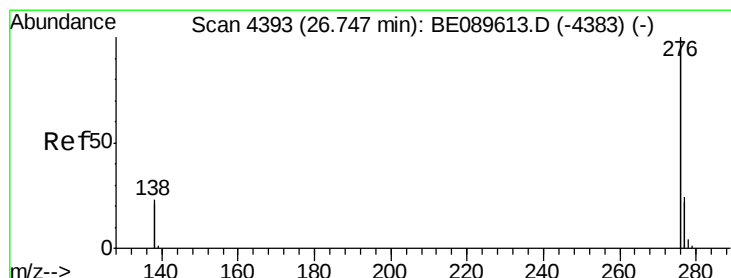
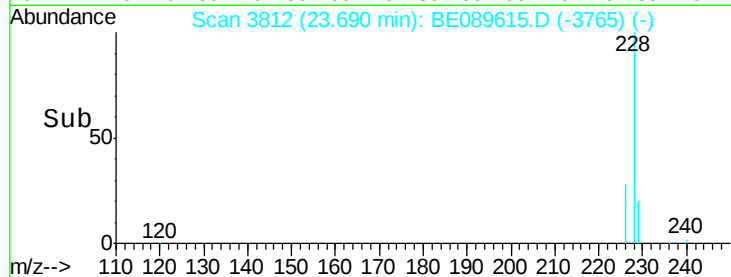
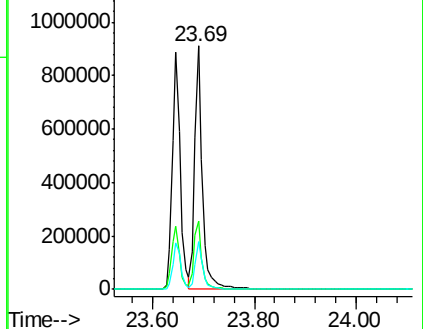
229 19.8 16.0 24.0



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: 5.23 ng

RT: 26.75 min Scan# 4395

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

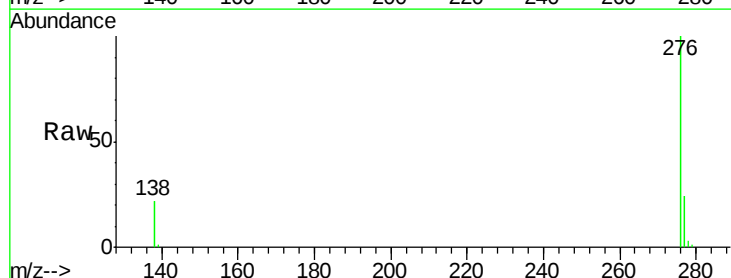
Tgt Ion: 276 Resp: 897115

Ion Ratio Lower Upper

276 100

138 27.0 21.4 32.2

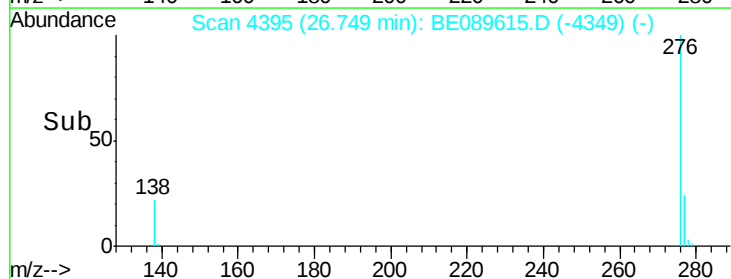
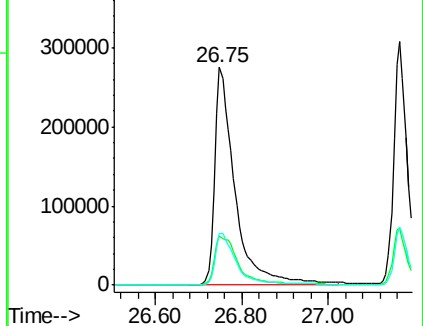
277 25.0 19.9 29.9

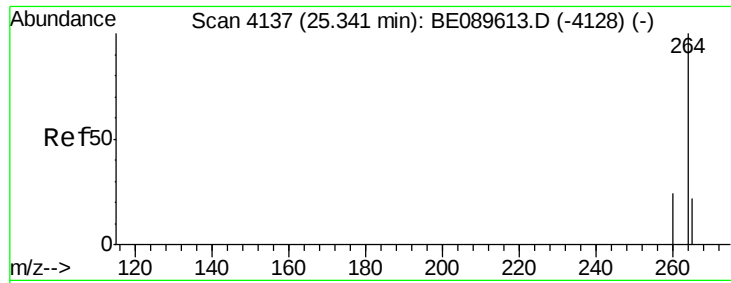


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

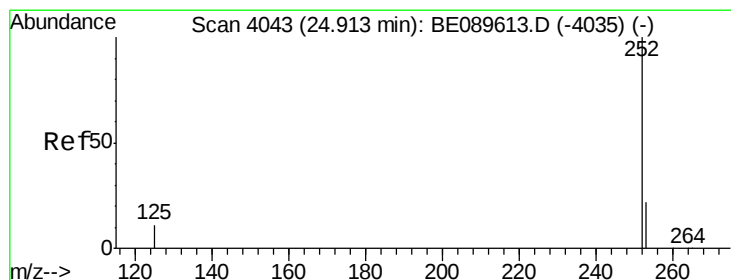
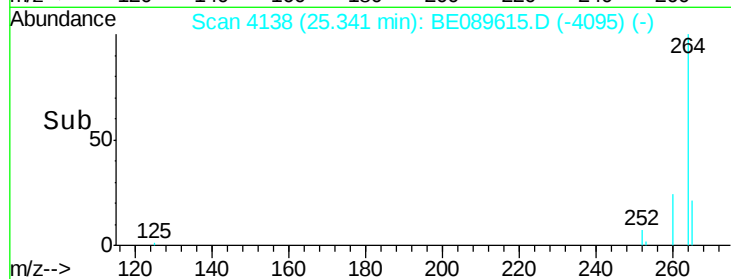
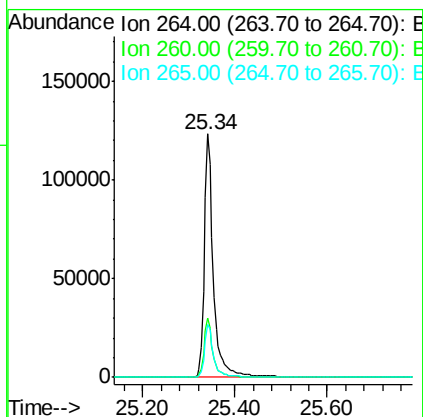
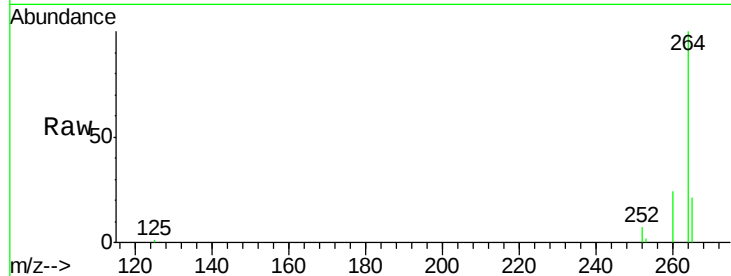




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. -0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

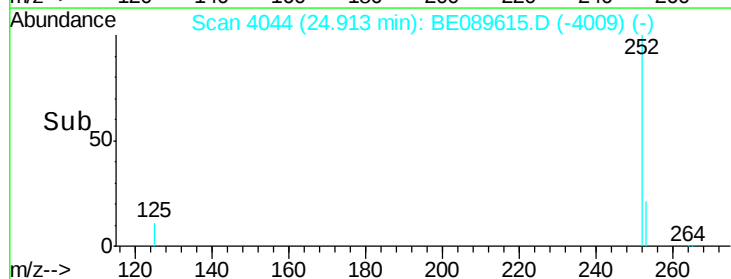
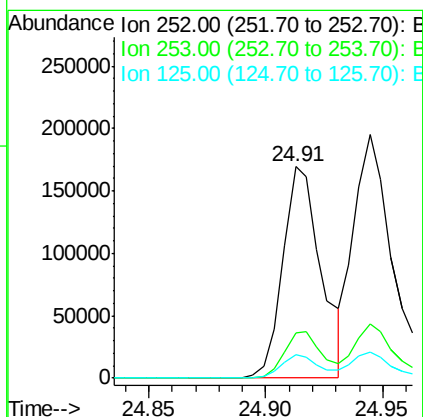
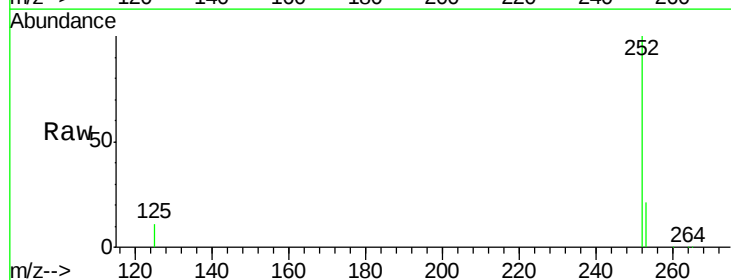
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Tgt Ion: 264 Resp: 167543
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 21.5 17.4 26.0



#26
 Benzo(b)fluoranthene
 Concen: 5.87 ng
 RT: 24.91 min Scan# 4044
 Delta R.T. -0.00 min
 Lab File: BE089615.D
 Acq: 18 Feb 2015 4:48

Tgt Ion: 252 Resp: 193415
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.6 26.4
 125 11.3 8.8 13.2





#27

Benzo(k)fluoranthene

Concen: 4.82 ng

RT: 24.94 min Scan# 4051

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDIC005

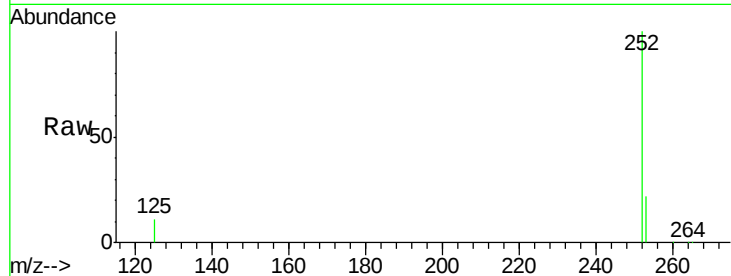
Tgt Ion:252 Resp: 260224

Ion Ratio Lower Upper

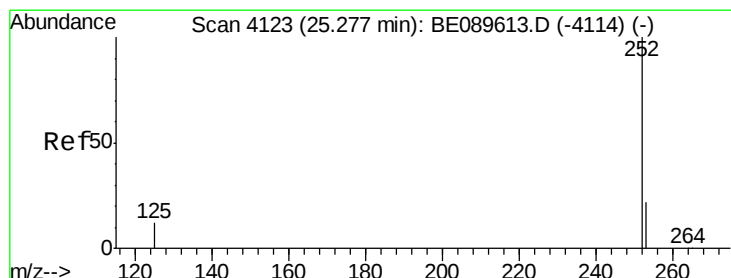
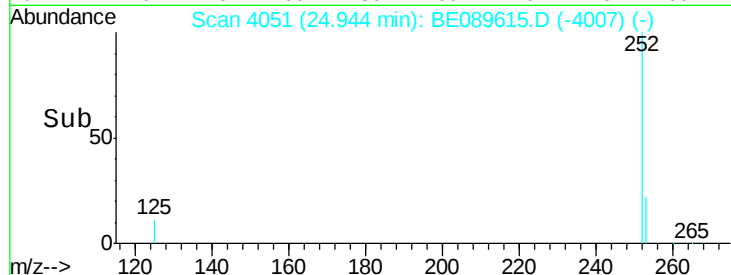
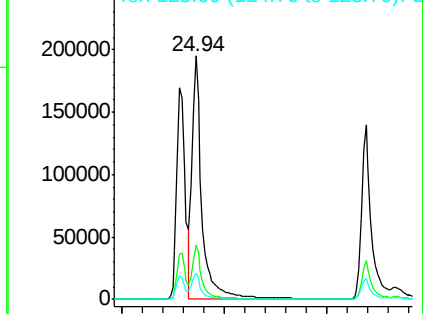
252 100

253 22.1 17.7 26.5

125 10.9 8.8 13.2



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



#28

Benzo(a)pyrene

Concen: 5.70 ng

RT: 25.28 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

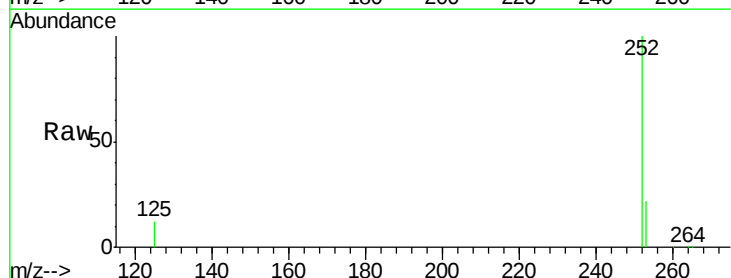
Tgt Ion:252 Resp: 182004

Ion Ratio Lower Upper

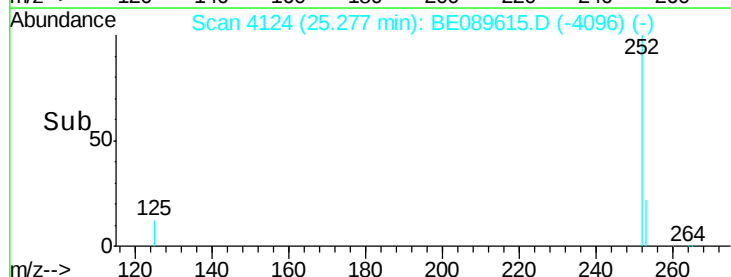
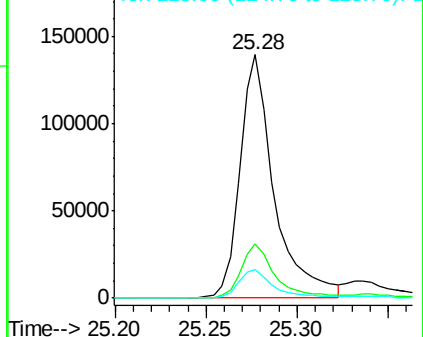
252 100

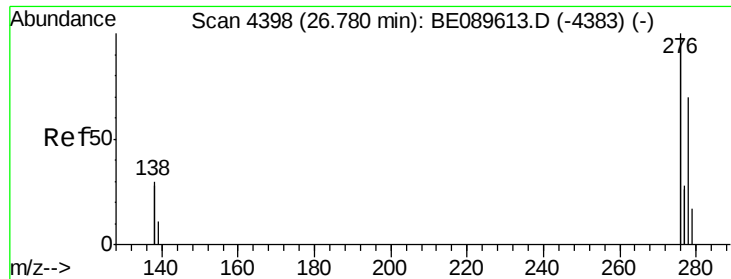
253 22.2 18.1 27.1

125 11.8 9.6 14.4



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: 5.51 ng

RT: 26.78 min Scan# 4400

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

Instrument :

BNA_E

LabSampleId :

SSTDICC005

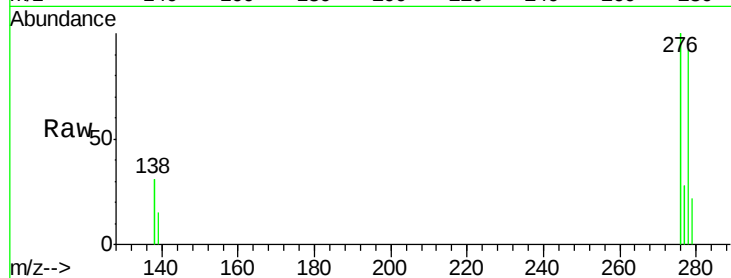
Tgt Ion: 278 Resp: 177619

Ion Ratio Lower Upper

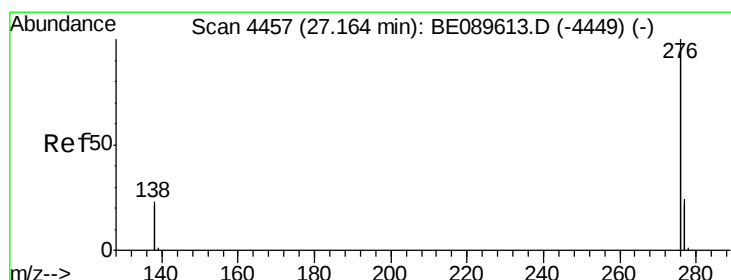
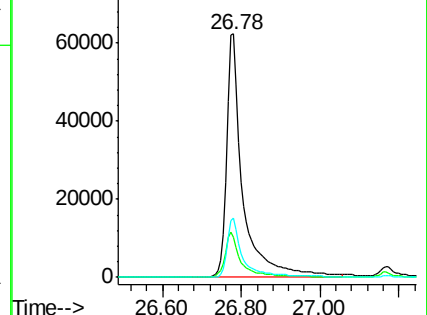
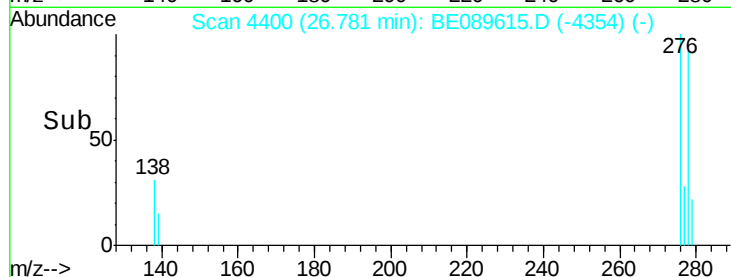
278 100

139 16.4 13.7 20.5

279 24.2 19.7 29.5



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



#30

Benzo(g,h,i)perylene

Concen: 4.79 ng

RT: 27.17 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BE089615.D

Acq: 18 Feb 2015 4:48

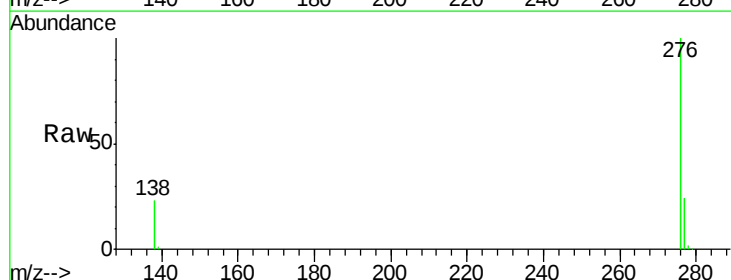
Tgt Ion: 276 Resp: 755384

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 23.1 18.7 28.1



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

