

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089668.D
 Acq On : 24 Feb 2015 13:04
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

Quant Time: Feb 24 15:06:18 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	35752	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	151859	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	67232	5.00	ng	0.01
13) Phenanthrene-d10	19.77	188	122412	5.00	ng	0.00
19) Chrysene-d12	23.66	240	92301	5.00	ng	0.00
25) Perylene-d12	25.34	264	70017	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	3517	0.42	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	7896	0.45	ng	0.00
21) Terphenyl-d14	22.30	244	5674	0.49	ng	0.00

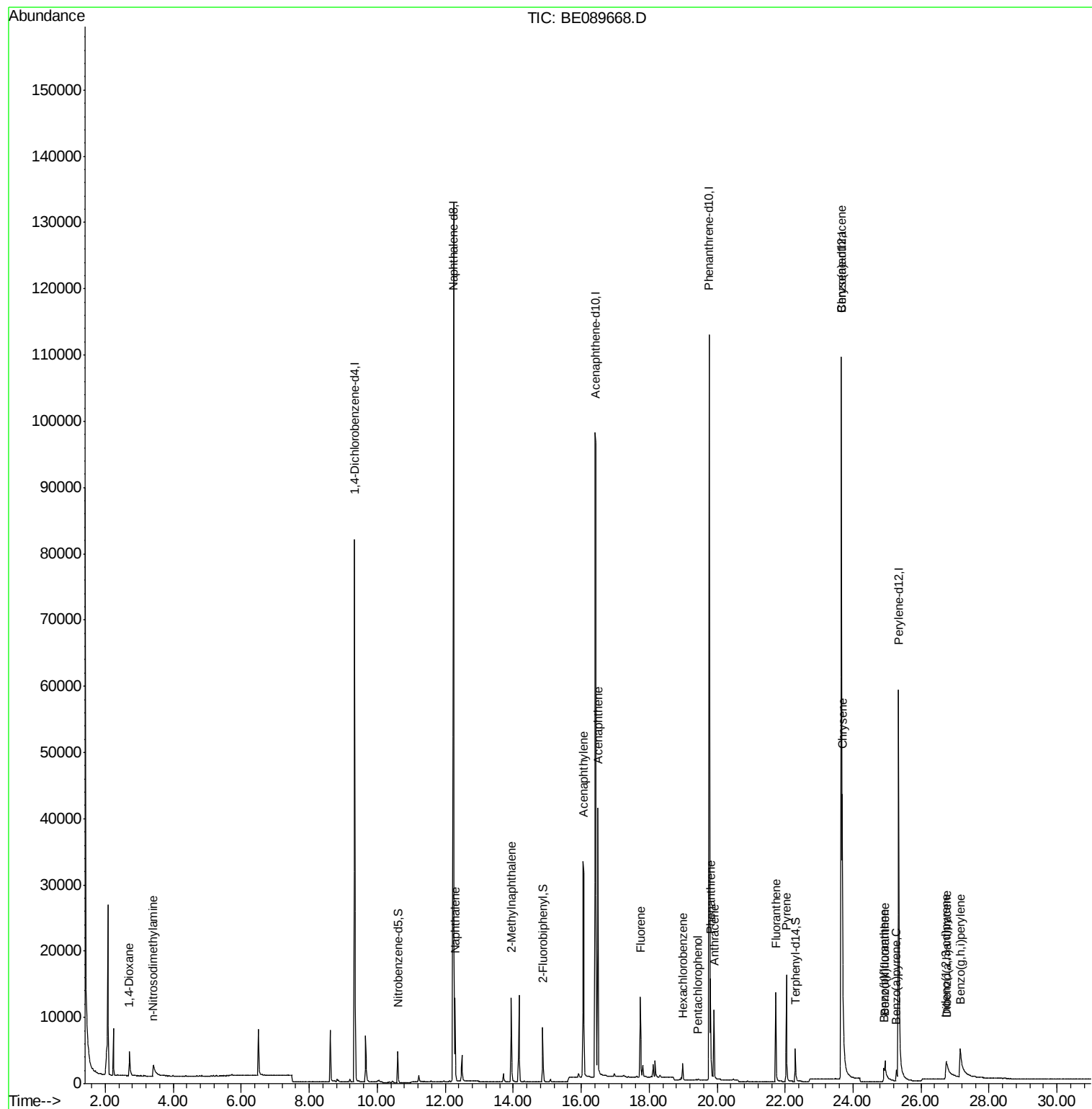
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.71	88	2591	0.58	ng	94
3) n-Nitrosodimethylamine	3.41	42	3196	0.61	ng	# 91
6) Naphthalene	12.29	128	15559	0.52	ng	99
7) 2-Methylnaphthalene	13.94	142	8679	0.52	ng	97
10) Acenaphthylene	16.06	152	48628	0.51	ng	100
11) Acenaphthene	16.49	154	8016	0.52	ng	99
12) Fluorene	17.74	166	8817	0.52	ng	99
14) Hexachlorobenzene	18.99	284	1645	0.51	ng	99
15) Pentachlorophenol	19.44	266	121	0.25	ng	# 85
16) Phenanthrene	19.81	178	13655	0.52	ng	100
17) Anthracene	19.91	178	11285	0.51	ng	99
18) Fluoranthene	21.72	202	11113	0.50	ng	99
20) Pyrene	22.04	202	11910	0.54	ng	100
22) Benzo(a)anthracene	23.64	228	30478	0.49	ng	98
23) Chrysene	23.68	228	43858	0.52	ng	99
24) Indeno(1,2,3-cd)pyrene	26.73	276	10027	0.30	ng	# 53
26) Benzo(b)fluoranthene	24.91	252	2003	0.29	ng	96
27) Benzo(k)fluoranthene	24.94	252	7575	0.48	ng	97
28) Benzo(a)pyrene	25.27	252	2465	0.33	ng	96
29) Dibenzo(a,h)anthracene	26.77	278	1351	0.22	ng	# 89
30) Benzo(g,h,i)perylene	27.15	276	13905	0.41	ng	95

(#) = 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: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

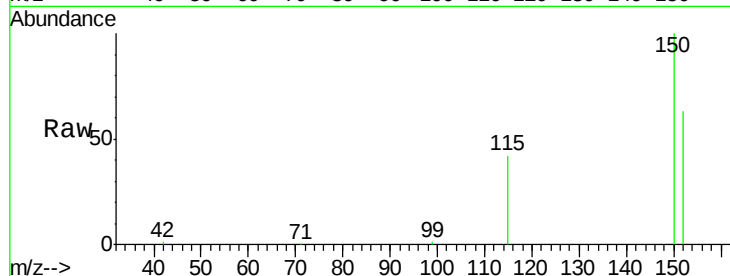
Tgt Ion:152 Resp: 35752

Ion Ratio Lower Upper

152 100

150 158.3 123.4 185.0

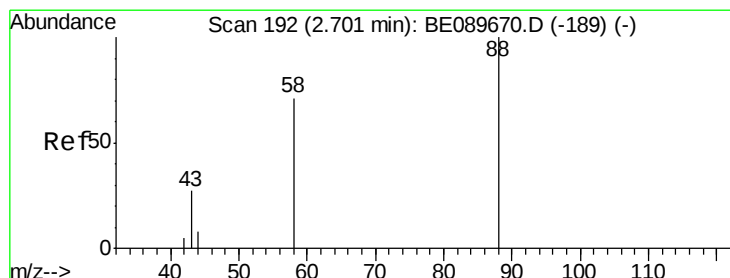
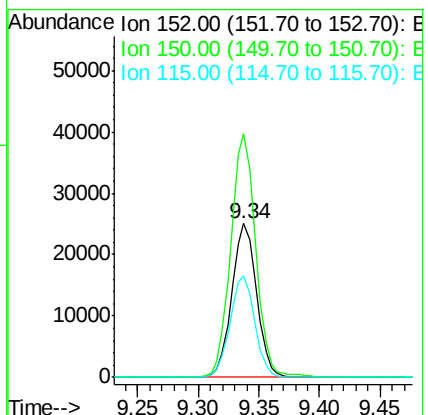
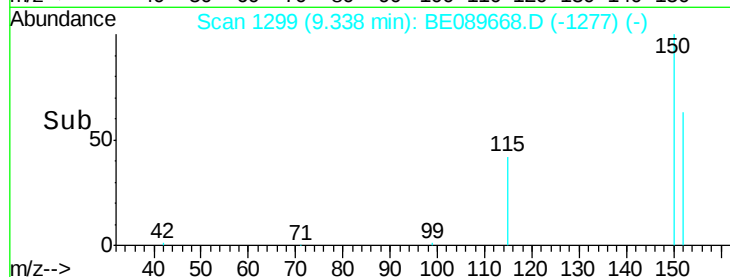
115 65.9 50.8 76.2



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: 0.58 ng

RT: 2.71 min Scan# 193

Delta R.T. 0.01 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

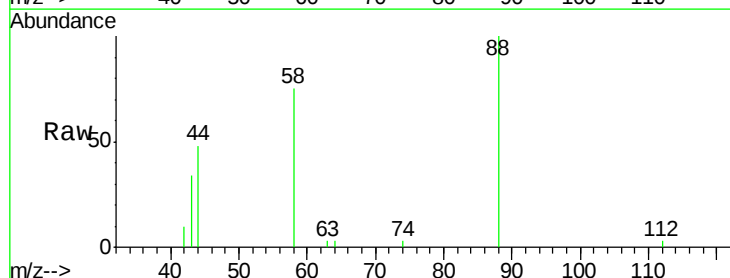
Tgt Ion: 88 Resp: 2591

Ion Ratio Lower Upper

88 100

58 84.0 62.4 93.6

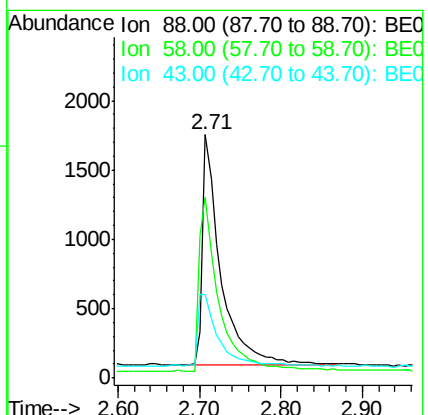
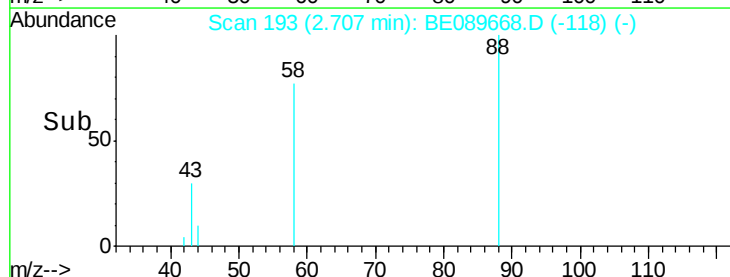
43 35.7 26.6 40.0

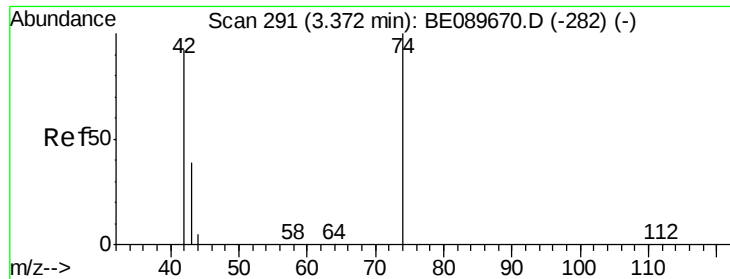


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.61 ng

RT: 3.41 min Scan# 296

Delta R.T. 0.03 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

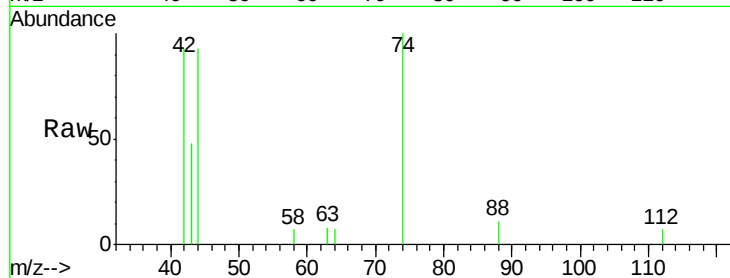
Tgt Ion: 42 Resp: 3196

Ion Ratio Lower Upper

42 100

74 123.9 91.1 136.7

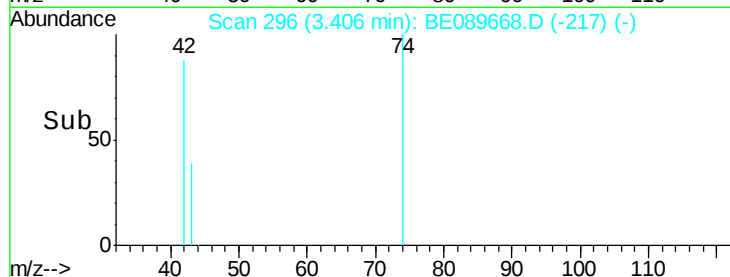
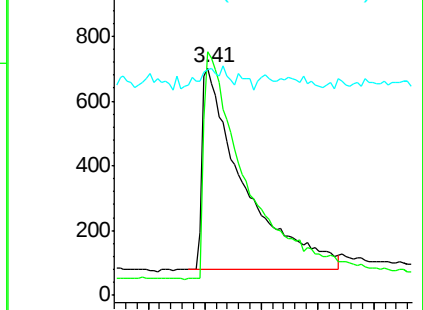
44 3.5 4.7 7.1#



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: BE089668.D

Acq: 24 Feb 2015 13:04

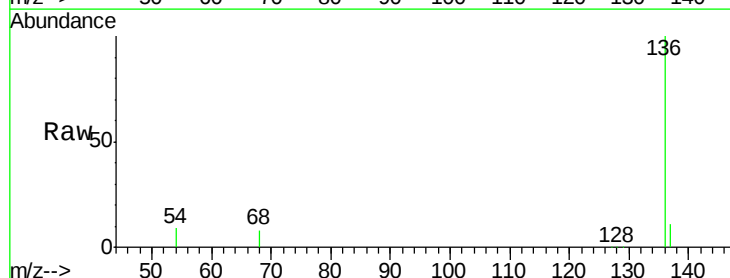
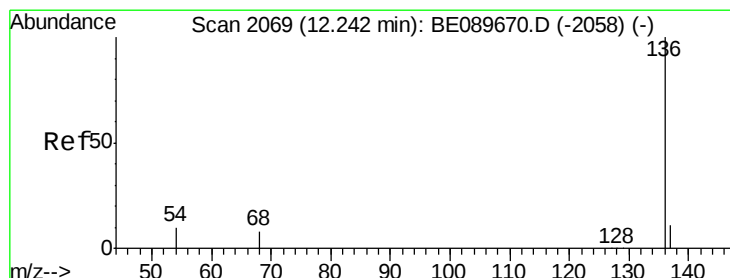
Tgt Ion: 136 Resp: 151859

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

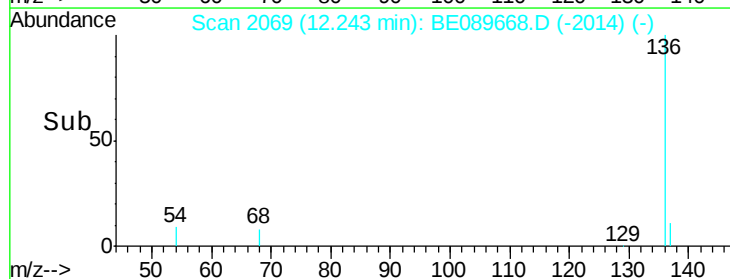
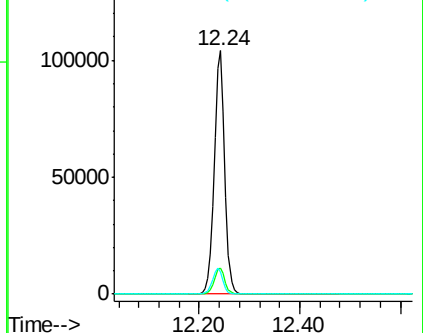
54 9.0 7.8 11.8



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: 0.42 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

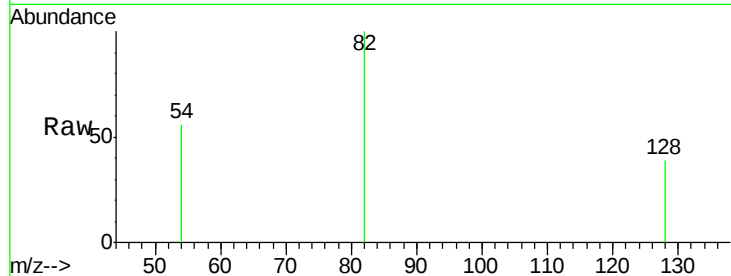
Tgt Ion: 82 Resp: 3517

Ion Ratio Lower Upper

82 100

128 39.1 30.6 46.0

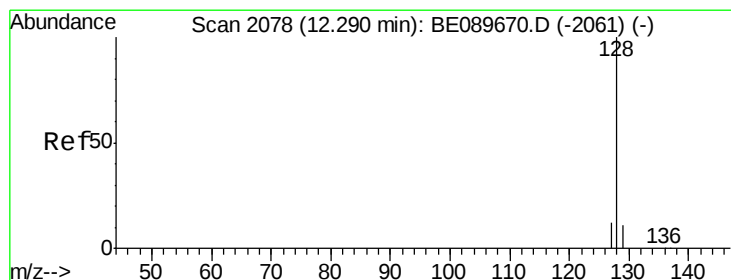
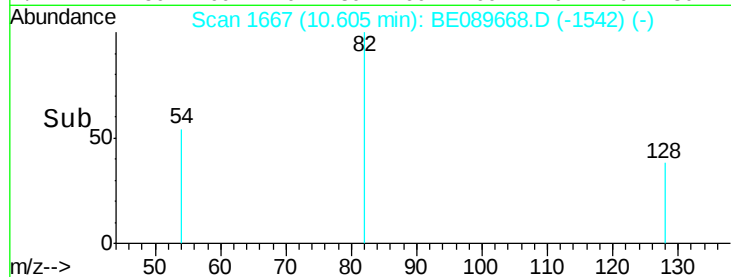
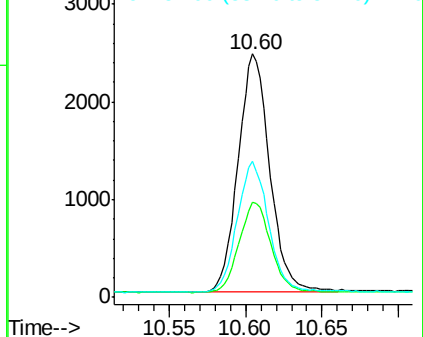
54 56.1 43.6 65.4



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: 0.52 ng

RT: 12.29 min Scan# 2078

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

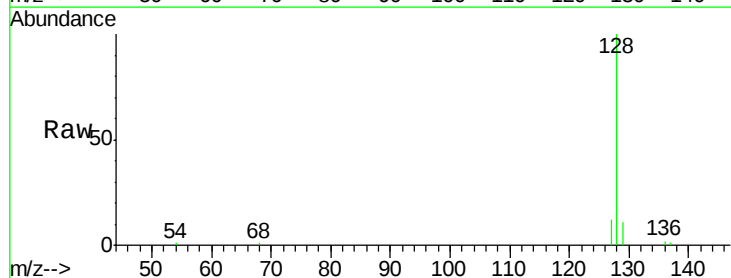
Tgt Ion: 128 Resp: 15559

Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

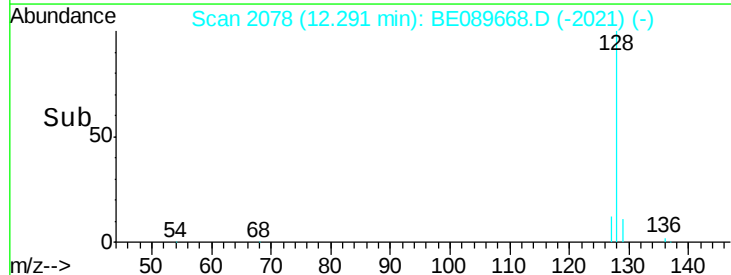
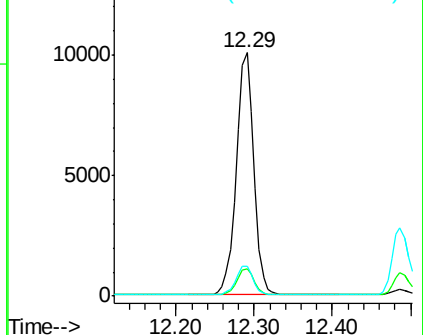
127 12.2 9.7 14.5



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: 0.52 ng

RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

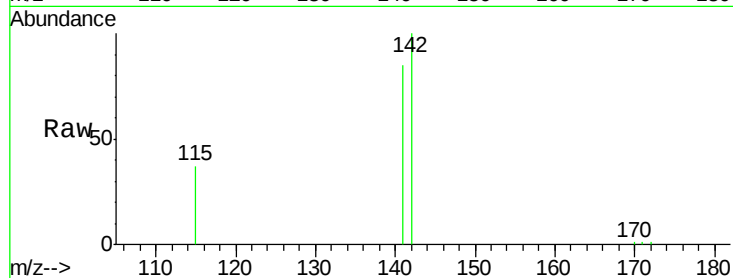
Tgt Ion:142 Resp: 8679

Ion Ratio Lower Upper

142 100

141 84.9 66.0 99.0

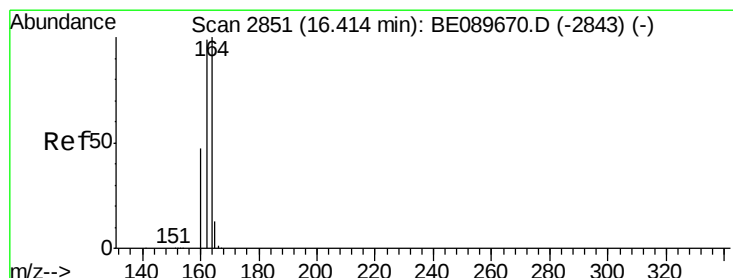
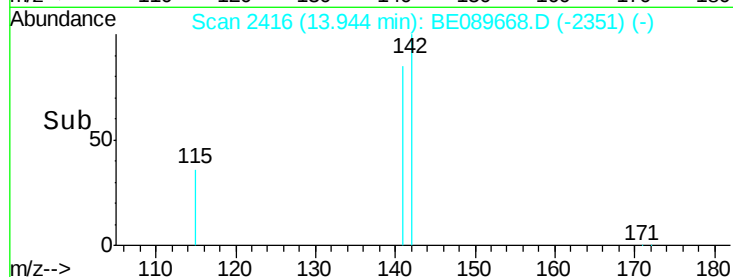
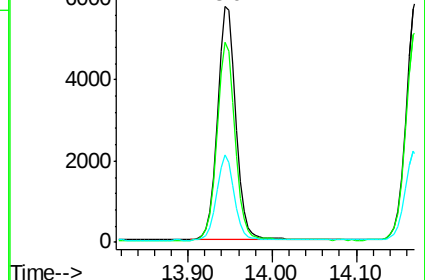
115 36.8 27.4 41.0



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: BE089668.D

Acq: 24 Feb 2015 13:04

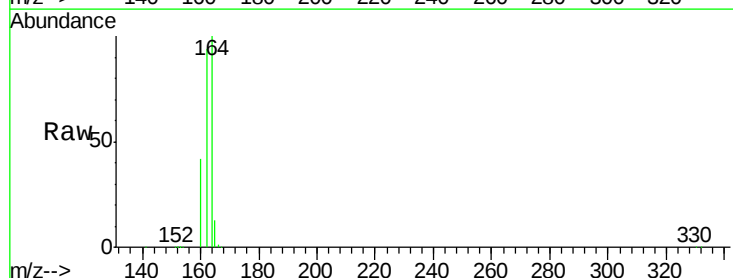
Tgt Ion:164 Resp: 67232

Ion Ratio Lower Upper

164 100

162 93.6 79.4 119.2

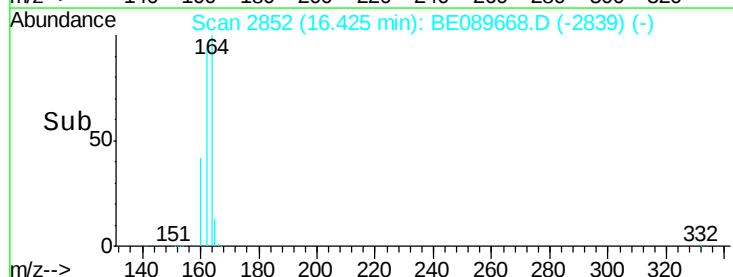
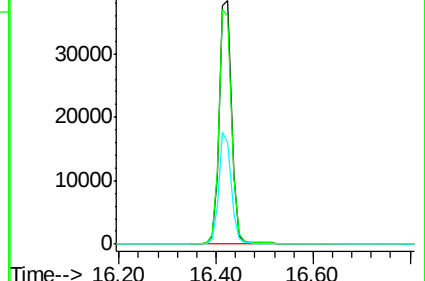
160 41.7 37.6 56.4



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: 0.45 ng

RT: 14.88 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

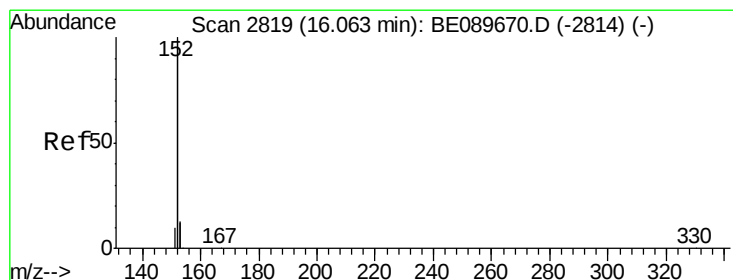
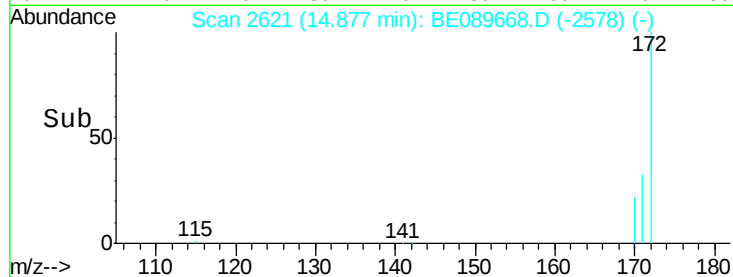
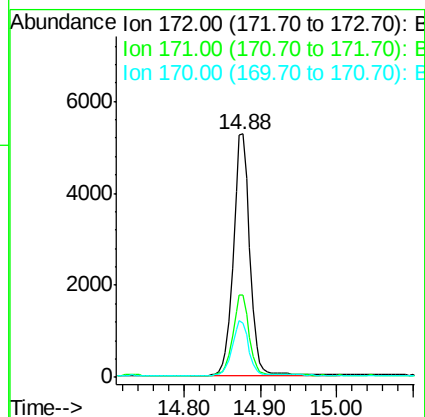
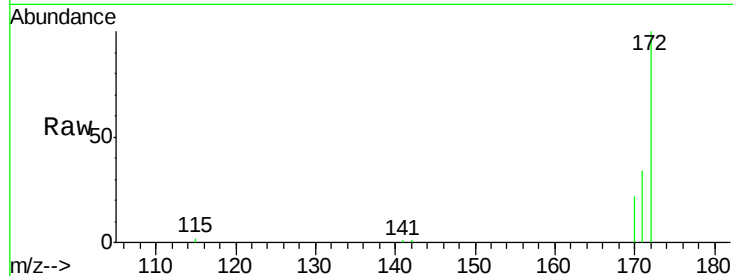
Tgt Ion:172 Resp: 7896

Ion Ratio Lower Upper

172 100

171 33.7 27.3 40.9

170 22.5 18.5 27.7



#10

Acenaphthylene

Concen: 0.51 ng

RT: 16.06 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

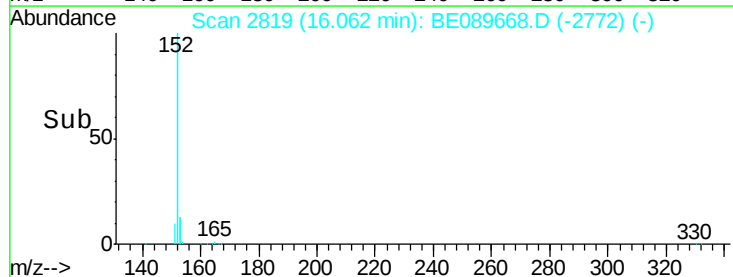
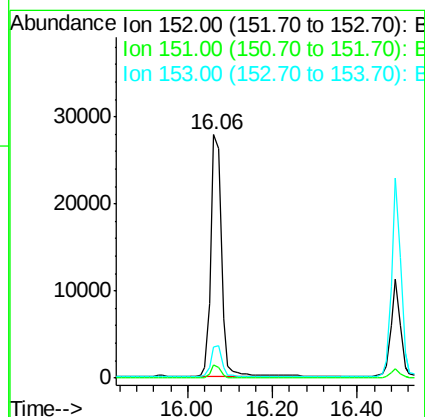
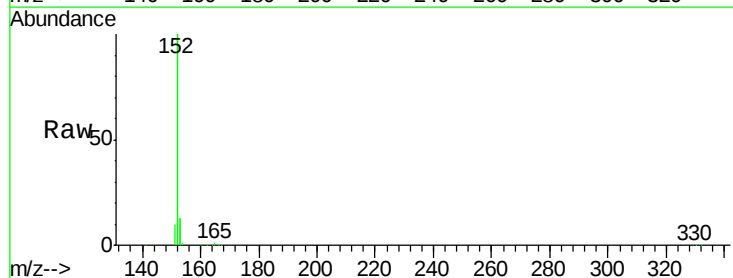
Tgt Ion:152 Resp: 48628

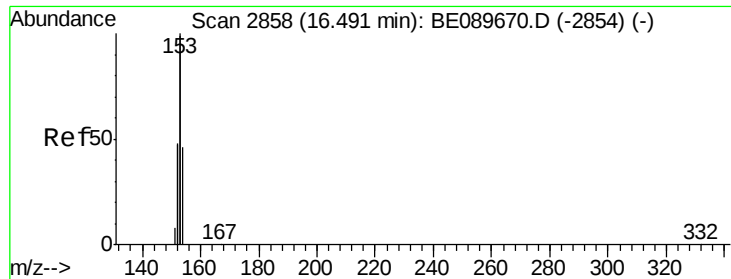
Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.6

153 13.1 10.4 15.6





#11

Acenaphthene

Concen: 0.52 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

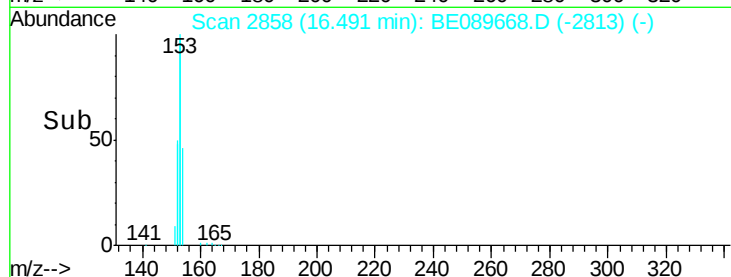
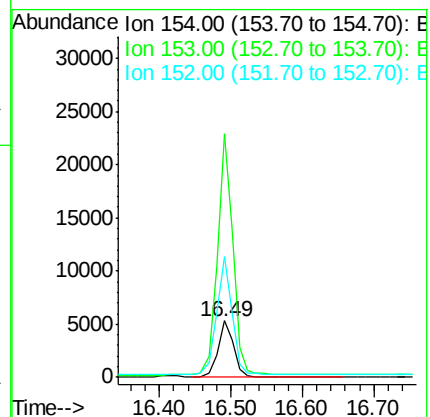
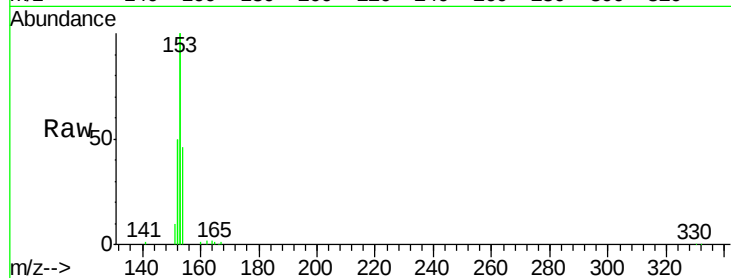
Tgt Ion:154 Resp: 8016

Ion Ratio Lower Upper

154 100

153 434.9 345.8 518.8

152 211.1 168.6 252.8



#12

Fluorene

Concen: 0.52 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

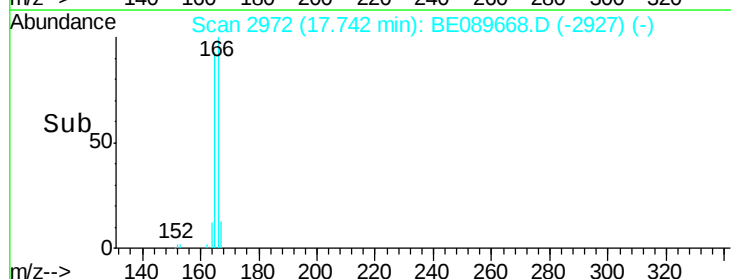
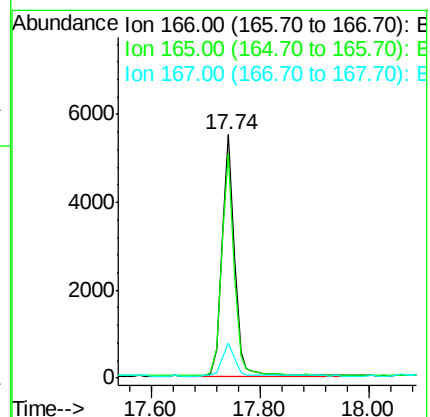
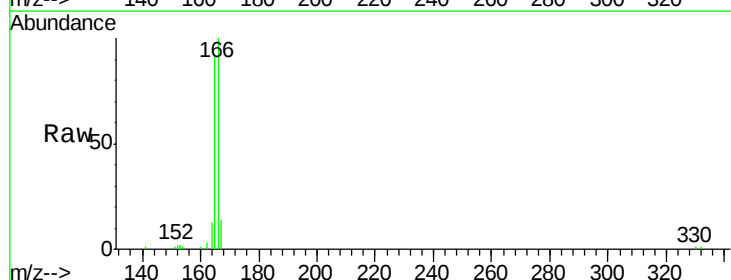
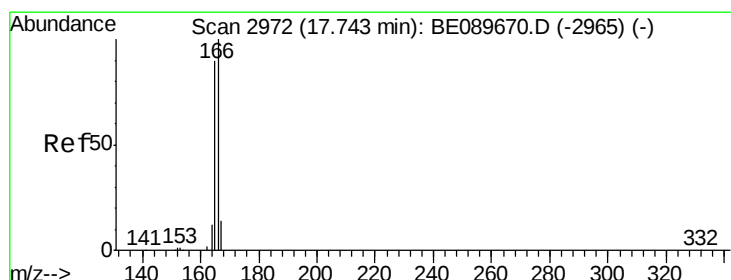
Tgt Ion:166 Resp: 8817

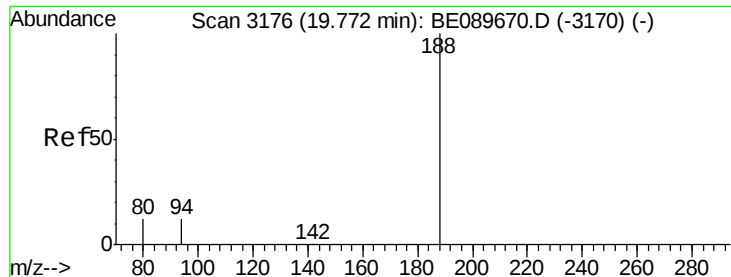
Ion Ratio Lower Upper

166 100

165 93.0 73.6 110.4

167 13.2 10.6 16.0

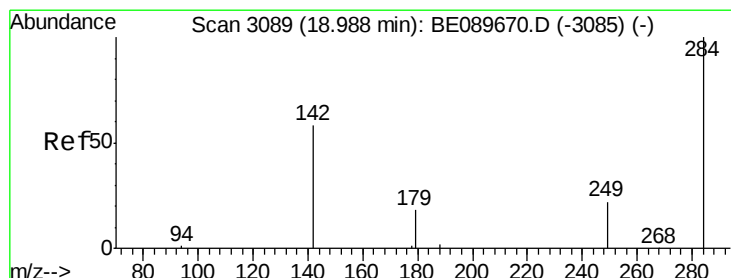
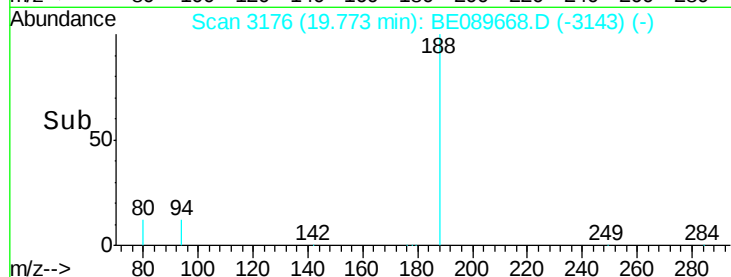
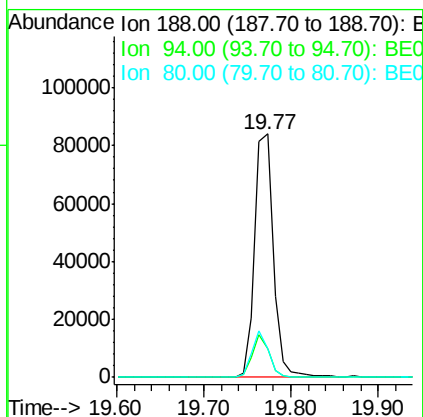
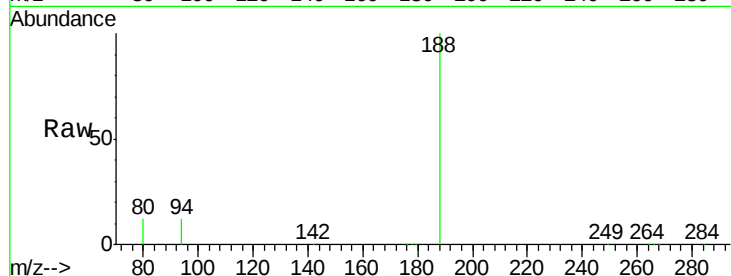




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE089668.D
Acq: 24 Feb 2015 13:04

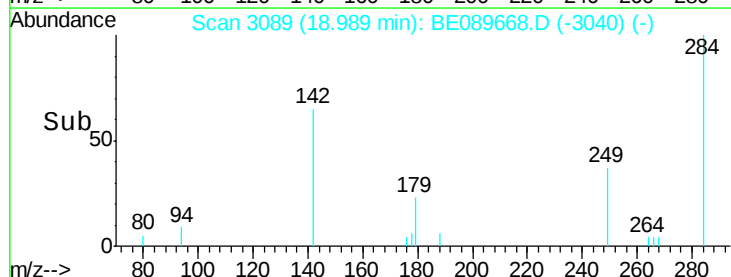
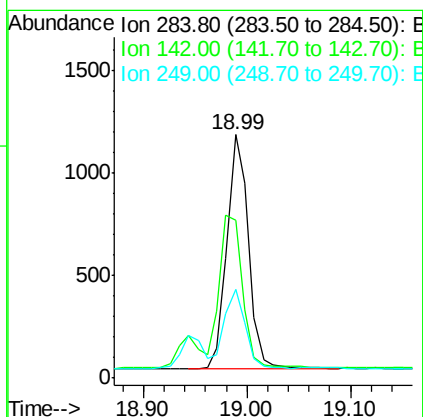
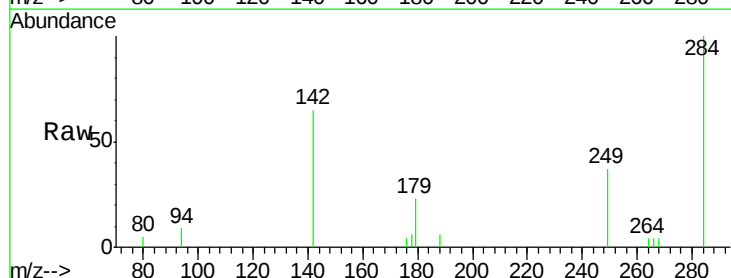
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion:188 Resp: 122412
Ion Ratio Lower Upper
188 100
94 11.6 9.4 14.2
80 11.8 9.5 14.3



#14
Hexachlorobenzene
Concen: 0.51 ng
RT: 18.99 min Scan# 3089
Delta R.T. 0.00 min
Lab File: BE089668.D
Acq: 24 Feb 2015 13:04

Tgt Ion:284 Resp: 1645
Ion Ratio Lower Upper
284 100
142 69.8 55.4 83.2
249 33.0 27.2 40.8

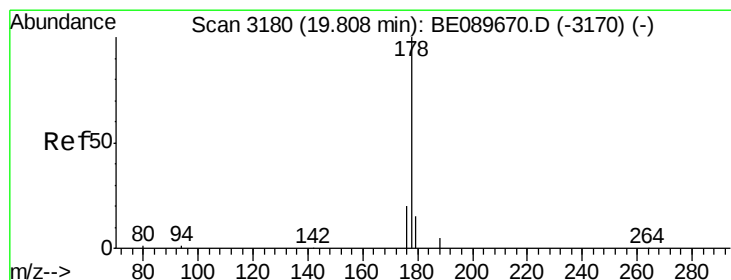
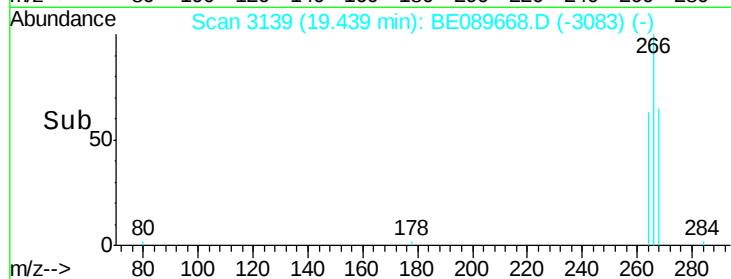
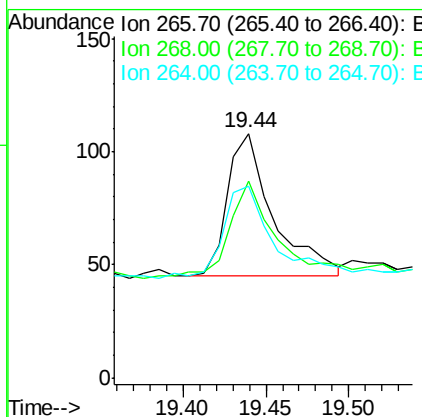
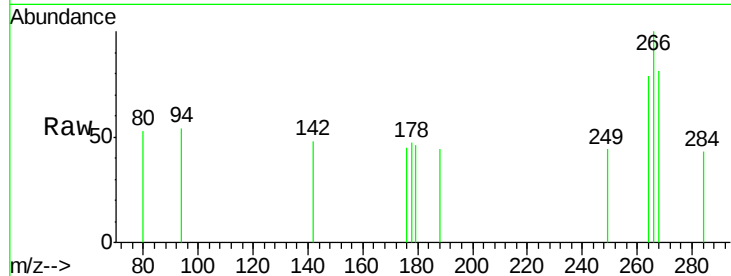




#15
 Pentachlorophenol
 Concen: 0.25 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.00 min
 Lab File: BE089668.D
 Acq: 24 Feb 2015 13:04

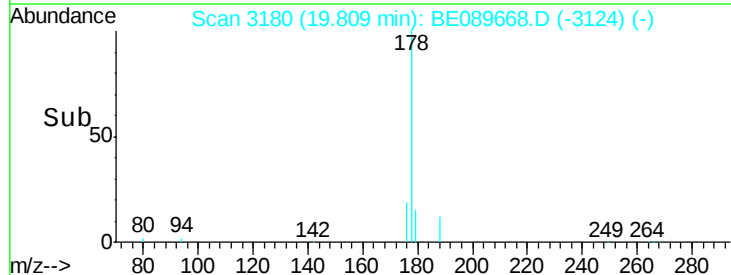
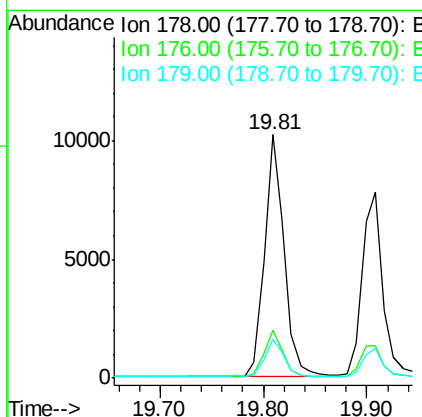
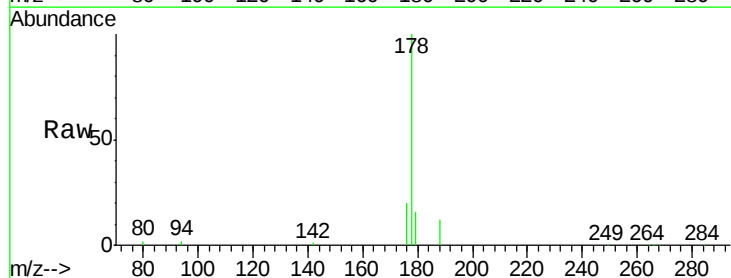
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.5

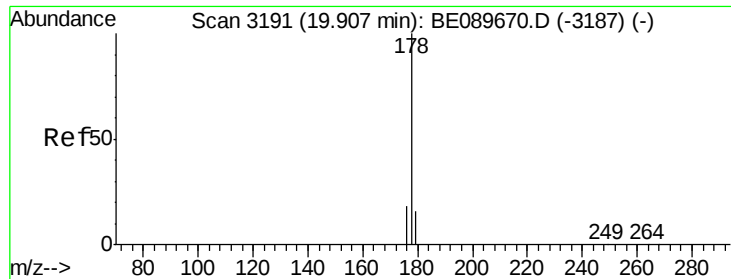
Tgt Ion: 266 Resp: 121
 Ion Ratio Lower Upper
 266 100
 268 80.6 56.3 84.5
 264 78.7 51.8 77.8#



#16
 Phenanthrene
 Concen: 0.52 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: BE089668.D
 Acq: 24 Feb 2015 13:04

Tgt Ion: 178 Resp: 13655
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.8 12.5 18.7





#17

Anthracene

Concen: 0.51 ng

RT: 19.91 min Scan# 3191

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

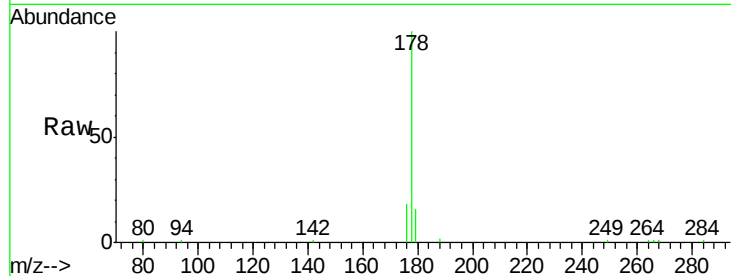
Tgt Ion:178 Resp: 11285

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

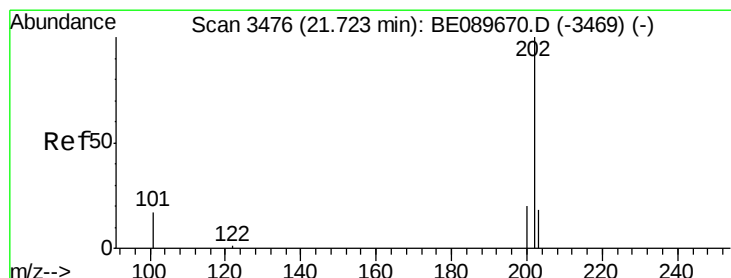
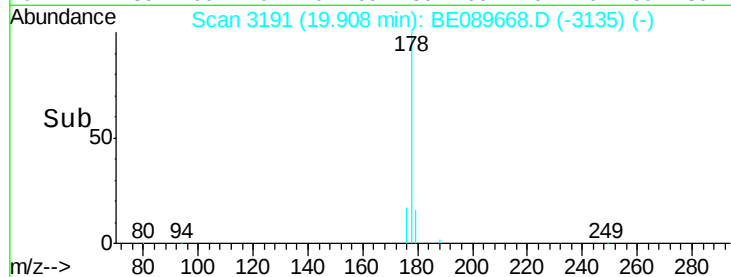
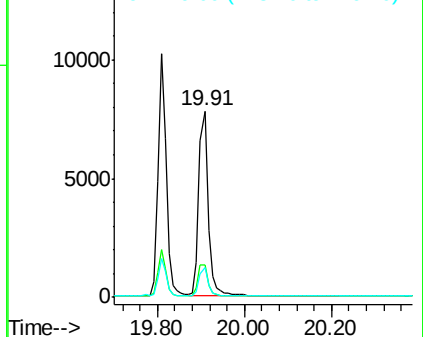
179 15.0 12.2 18.2



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: 0.50 ng

RT: 21.72 min Scan# 3476

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

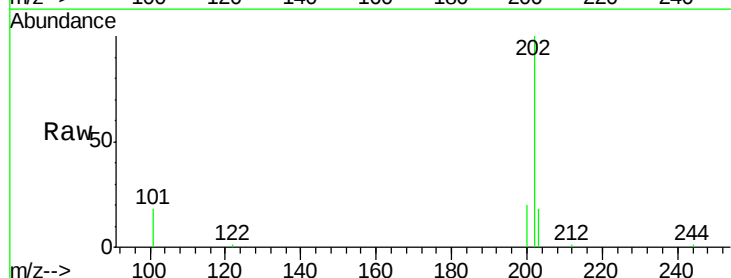
Tgt Ion:202 Resp: 11113

Ion Ratio Lower Upper

202 100

101 18.4 14.9 22.3

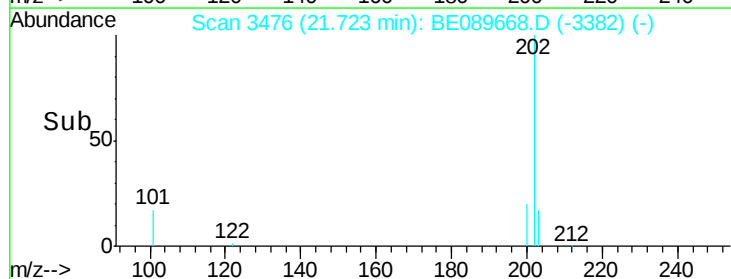
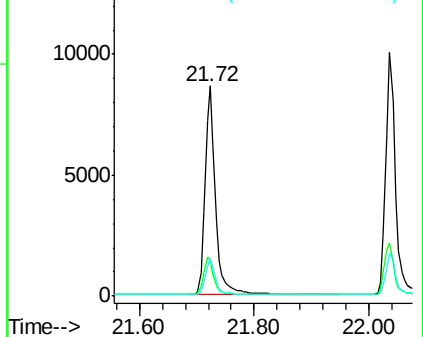
203 16.8 13.8 20.6

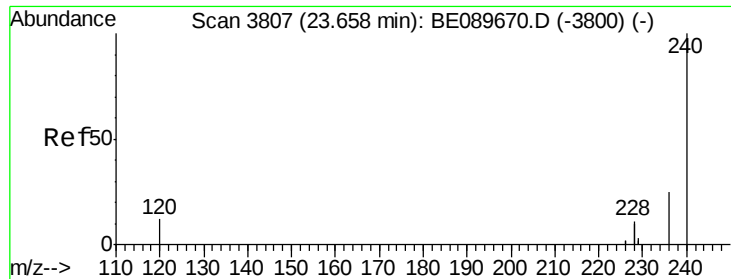


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

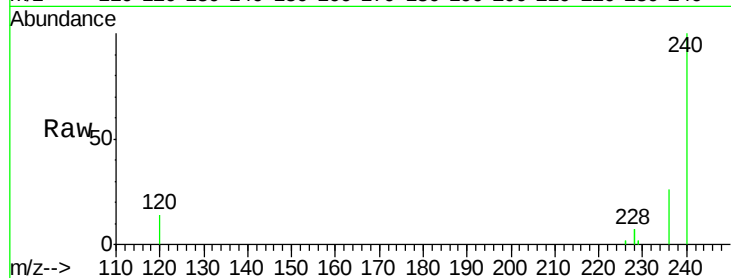
Tgt Ion:240 Resp: 92301

Ion Ratio Lower Upper

240 100

120 13.9 9.4 14.0

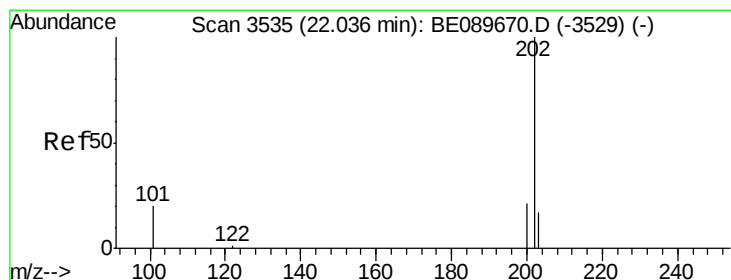
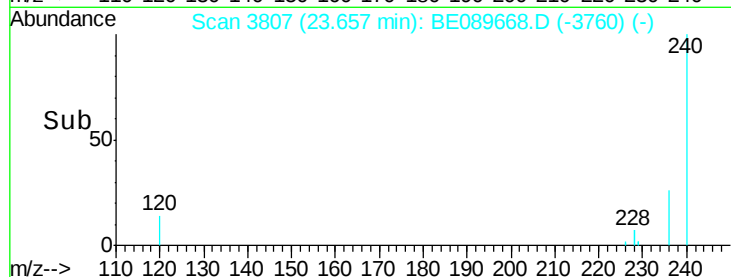
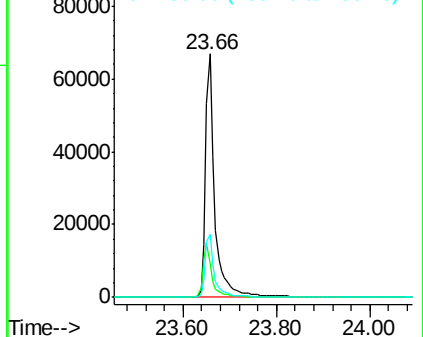
236 25.7 19.9 29.9



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: 0.54 ng

RT: 22.04 min Scan# 3535

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

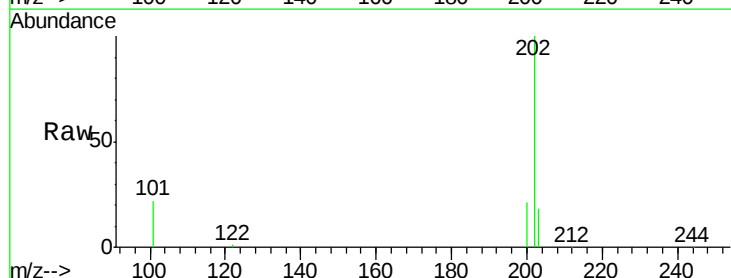
Tgt Ion:202 Resp: 11910

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

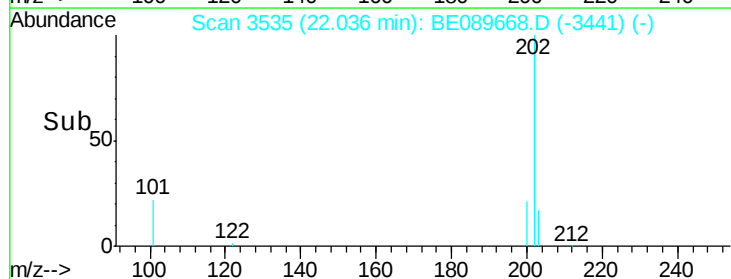
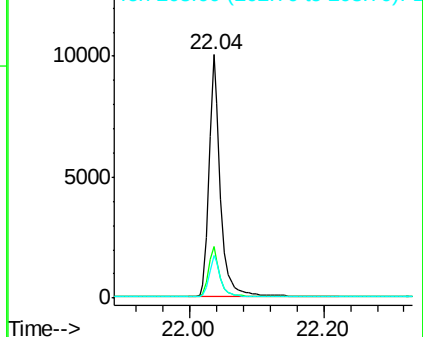
203 17.4 13.9 20.9



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: 0.49 ng

RT: 22.30 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

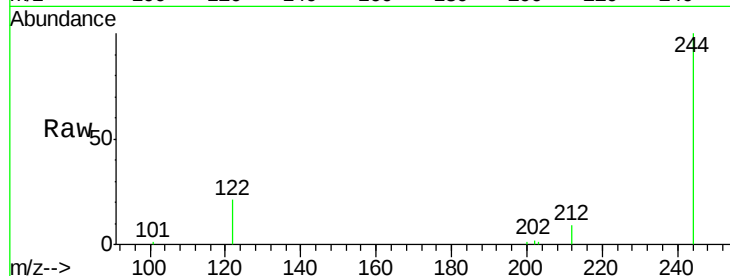
Tgt Ion:244 Resp: 5674

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

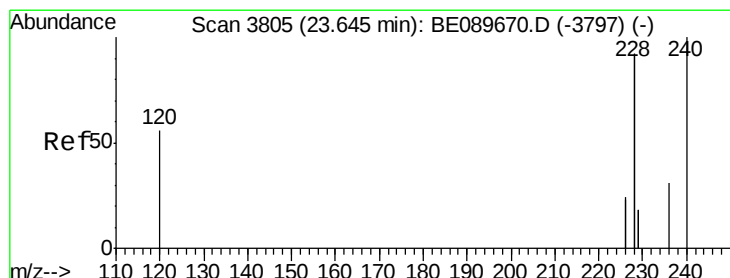
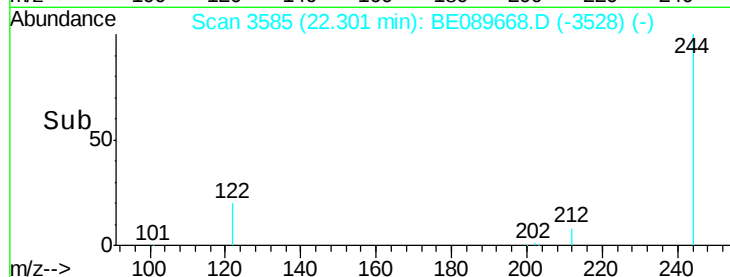
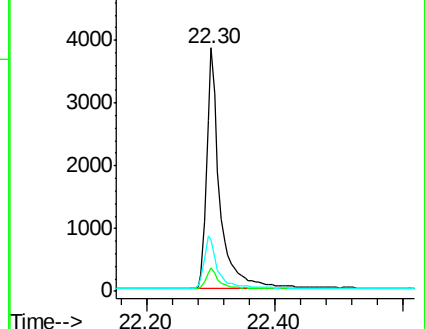
122 21.0 15.4 23.0



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: 0.49 ng

RT: 23.64 min Scan# 3805

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

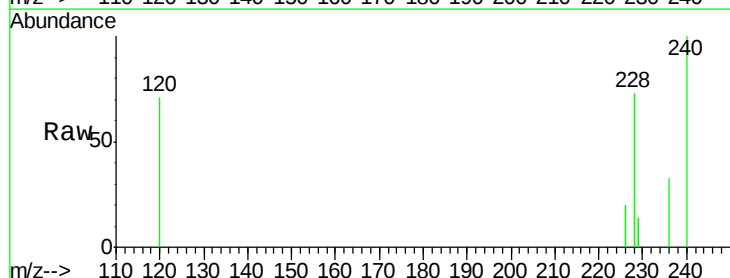
Tgt Ion:228 Resp: 30478

Ion Ratio Lower Upper

228 100

226 27.6 20.6 31.0

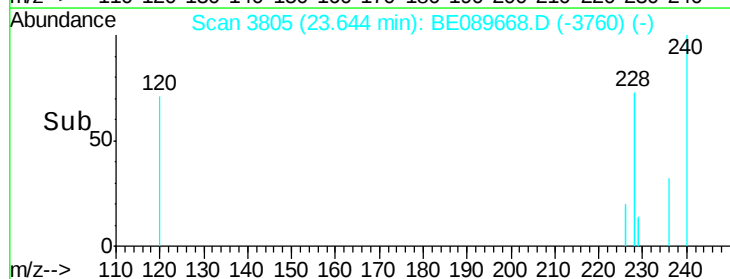
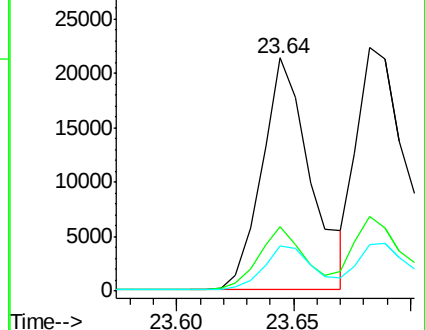
229 19.3 15.8 23.6



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: 0.52 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

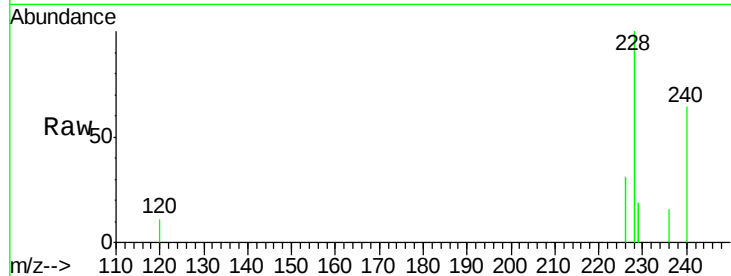
Tgt Ion:228 Resp: 43858

Ion Ratio Lower Upper

228 100

226 30.6 23.6 35.4

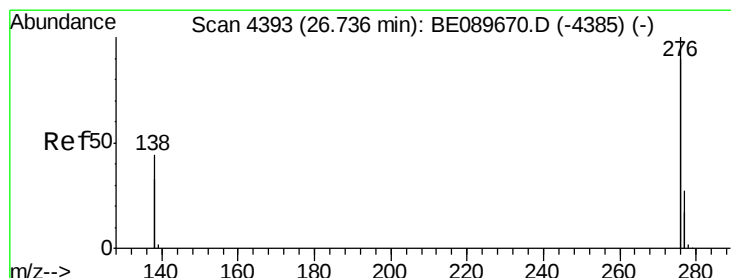
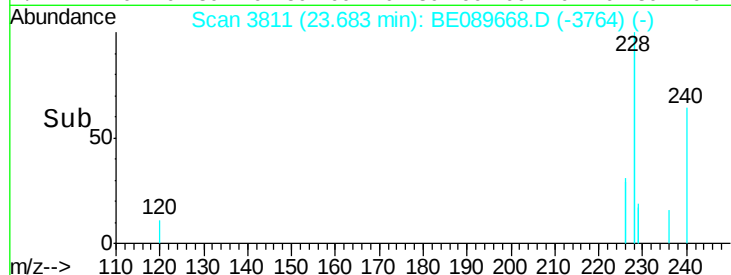
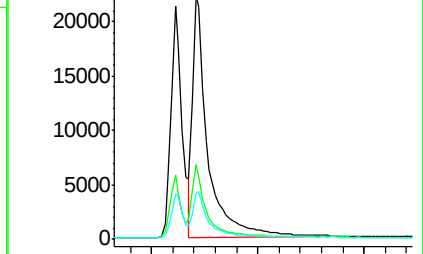
229 19.1 15.3 22.9



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: 0.30 ng

RT: 26.73 min Scan# 4393

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

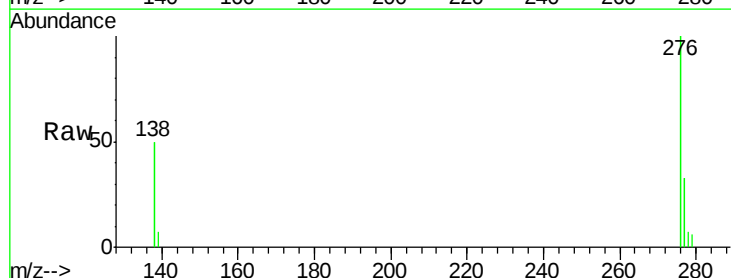
Tgt Ion:276 Resp: 10027

Ion Ratio Lower Upper

276 100

138 40.7 0.0 0.0#

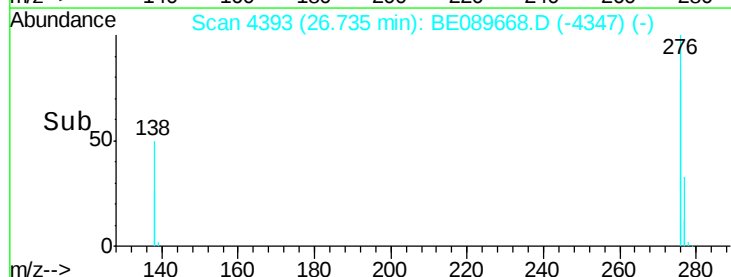
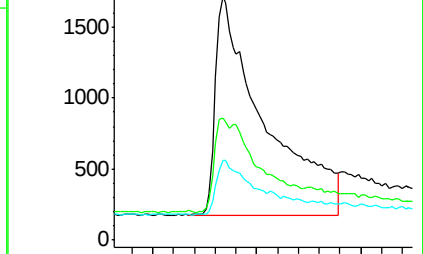
277 22.4 5.2 7.8#

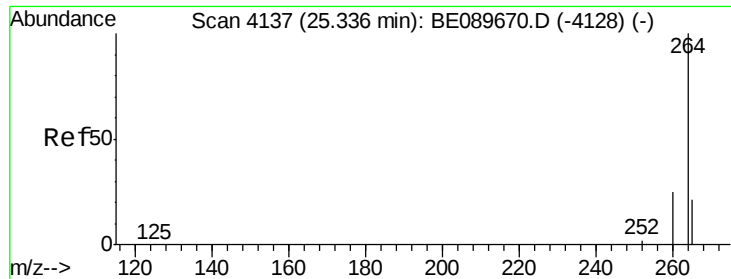


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

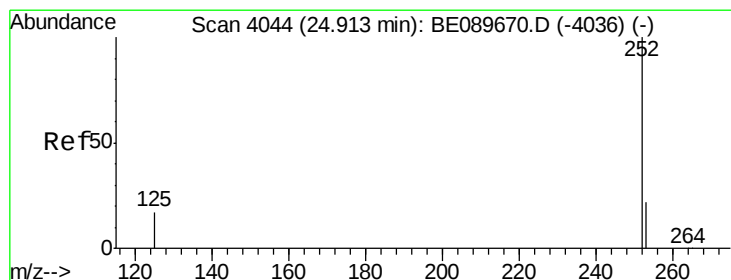
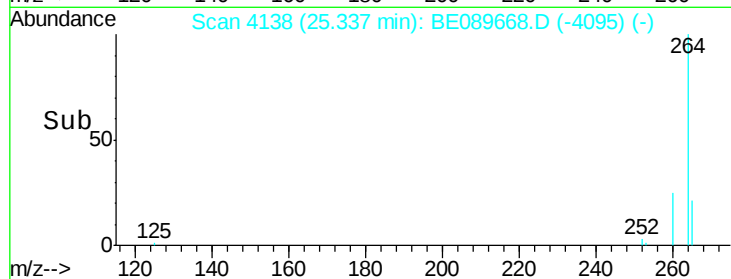
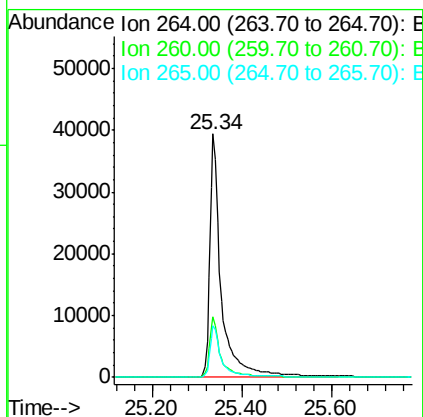
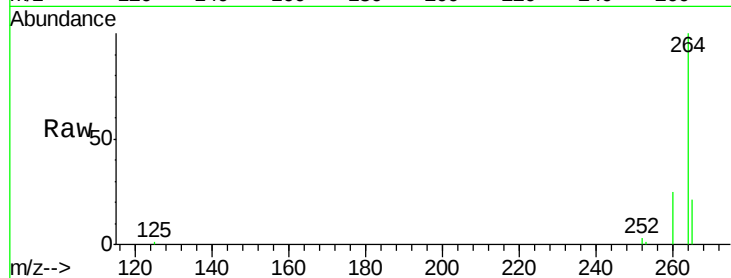




#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089668.D
Acq: 24 Feb 2015 13:04

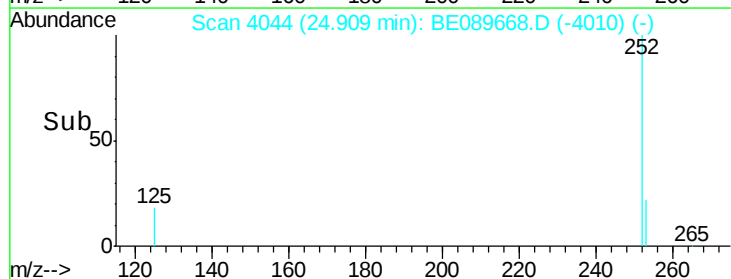
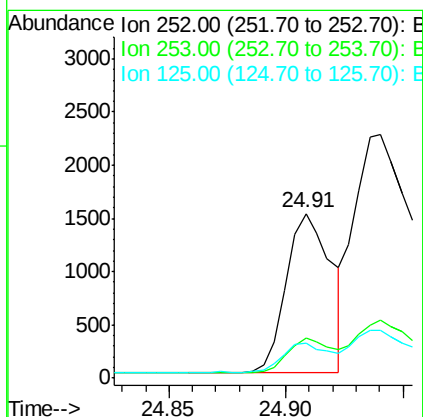
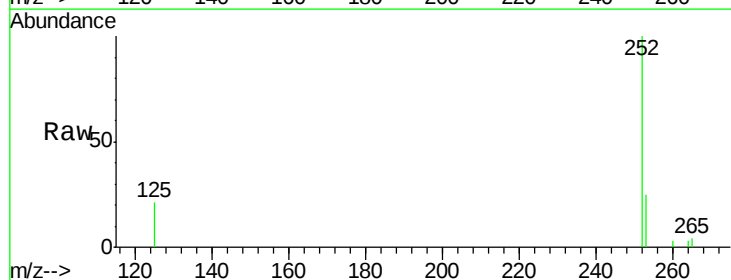
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion: 264 Resp: 70017
Ion Ratio Lower Upper
264 100
260 25.1 20.2 30.4
265 21.1 17.0 25.4



#26
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 24.91 min Scan# 4044
Delta R.T. -0.00 min
Lab File: BE089668.D
Acq: 24 Feb 2015 13:04

Tgt Ion: 252 Resp: 2003
Ion Ratio Lower Upper
252 100
253 24.7 18.6 27.8
125 21.2 15.0 22.6

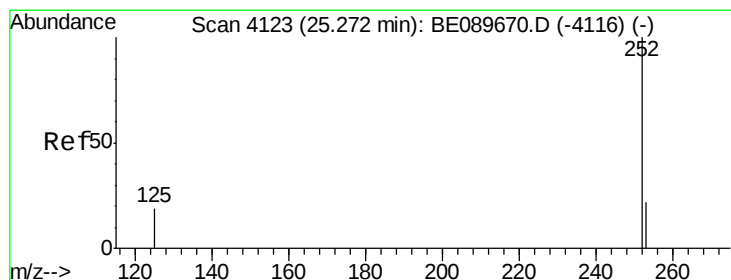
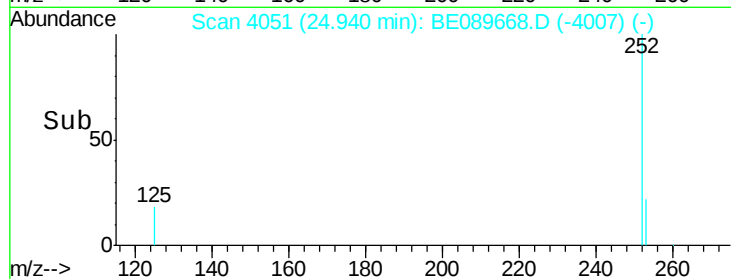
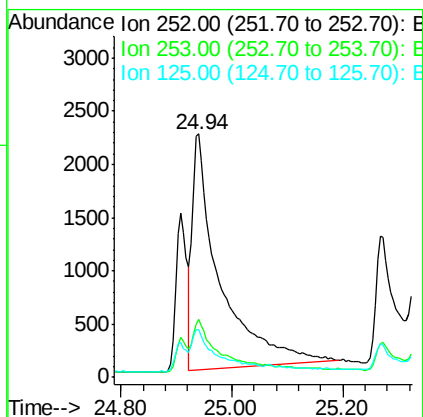
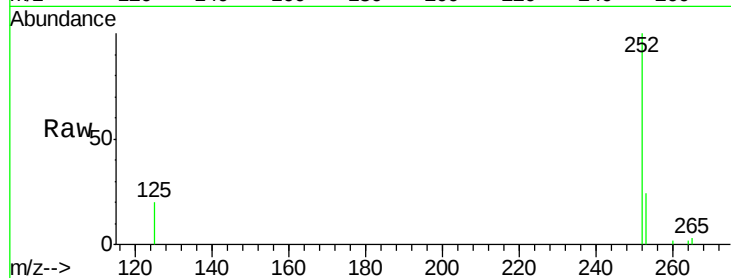




#27
Benzo(k)fluoranthene
Concen: 0.48 ng
RT: 24.94 min Scan# 4051
Delta R.T. 0.00 min
Lab File: BE089668.D
Acq: 24 Feb 2015 13:04

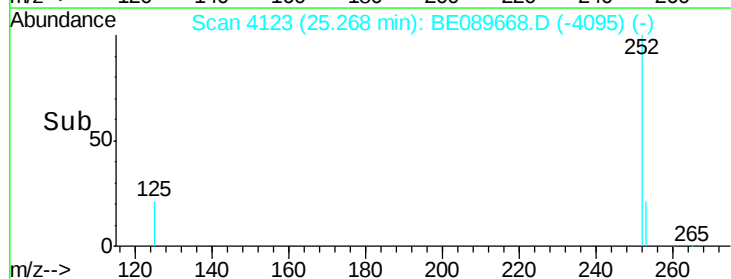
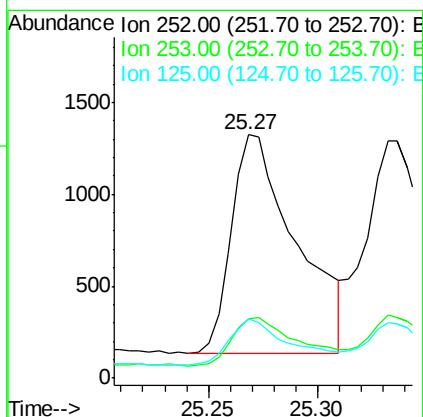
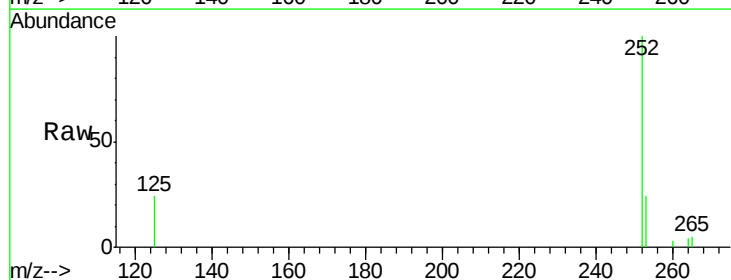
Instrument :
BNA_E
LabSampleId :
SSTDIC0.5

Tgt Ion: 252 Resp: 7575
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 19.7 14.3 21.5



#28
Benzo(a)pyrene
Concen: 0.33 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089668.D
Acq: 24 Feb 2015 13:04

Tgt Ion: 252 Resp: 2465
Ion Ratio Lower Upper
252 100
253 24.2 18.8 28.2
125 24.2 16.6 24.8





#29

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.00 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

Instrument :

BNA_E

LabSampleId :

SSTDIC0.5

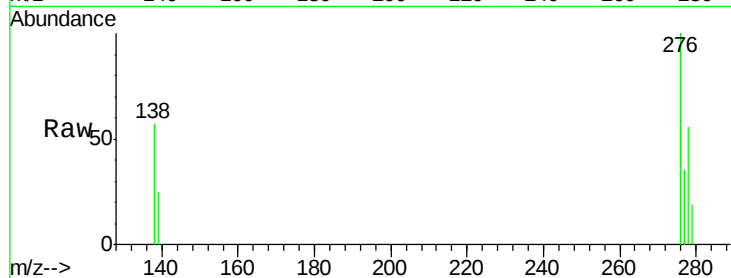
Tgt Ion: 278 Resp: 1351

Ion Ratio Lower Upper

278 100

139 45.2 30.4 45.6

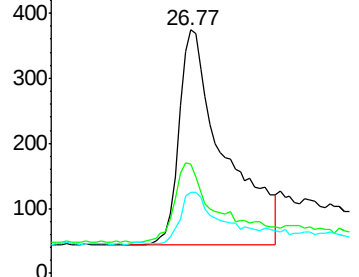
279 33.2 22.0 33.0#



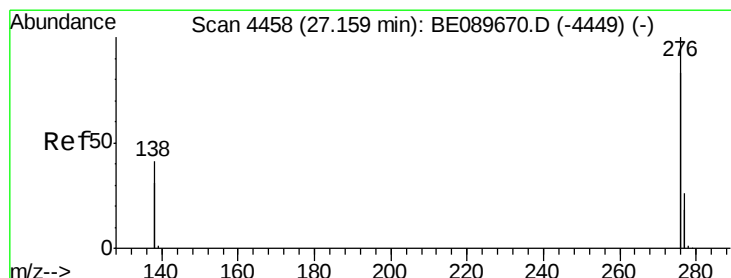
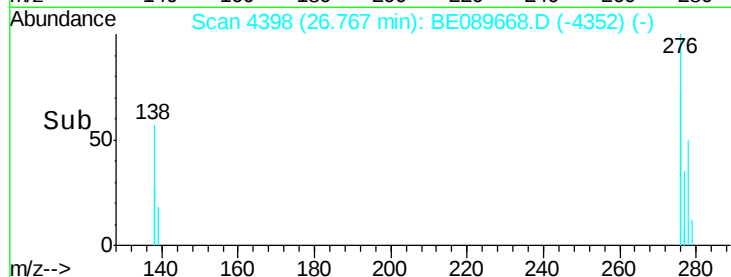
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 26.60 26.70 26.80 26.90



#30

Benzo(g,h,i)perylene

Concen: 0.41 ng

RT: 27.15 min Scan# 4457

Delta R.T. -0.01 min

Lab File: BE089668.D

Acq: 24 Feb 2015 13:04

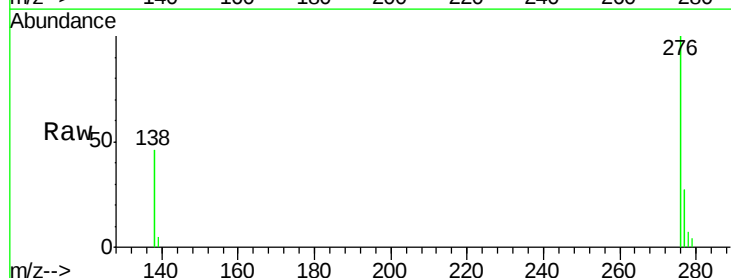
Tgt Ion: 276 Resp: 13905

Ion Ratio Lower Upper

276 100

277 26.9 21.0 31.6

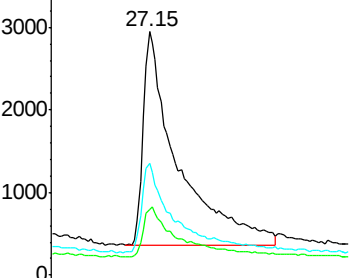
138 45.8 33.0 49.4



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



Time--> 27.00 27.20 27.40

