

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089667.D
 Acq On : 24 Feb 2015 12:25
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Feb 24 15:06:04 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	35443	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	181556	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	65910	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	119858	5.00	ng	0.00
19) Chrysene-d12	23.66	240	85699	5.00	ng	0.00
25) Perylene-d12	25.34	264	64306	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	3135	0.31	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	5851	0.34	ng	0.00
21) Terphenyl-d14	22.30	244	2059	0.19	ng	0.00

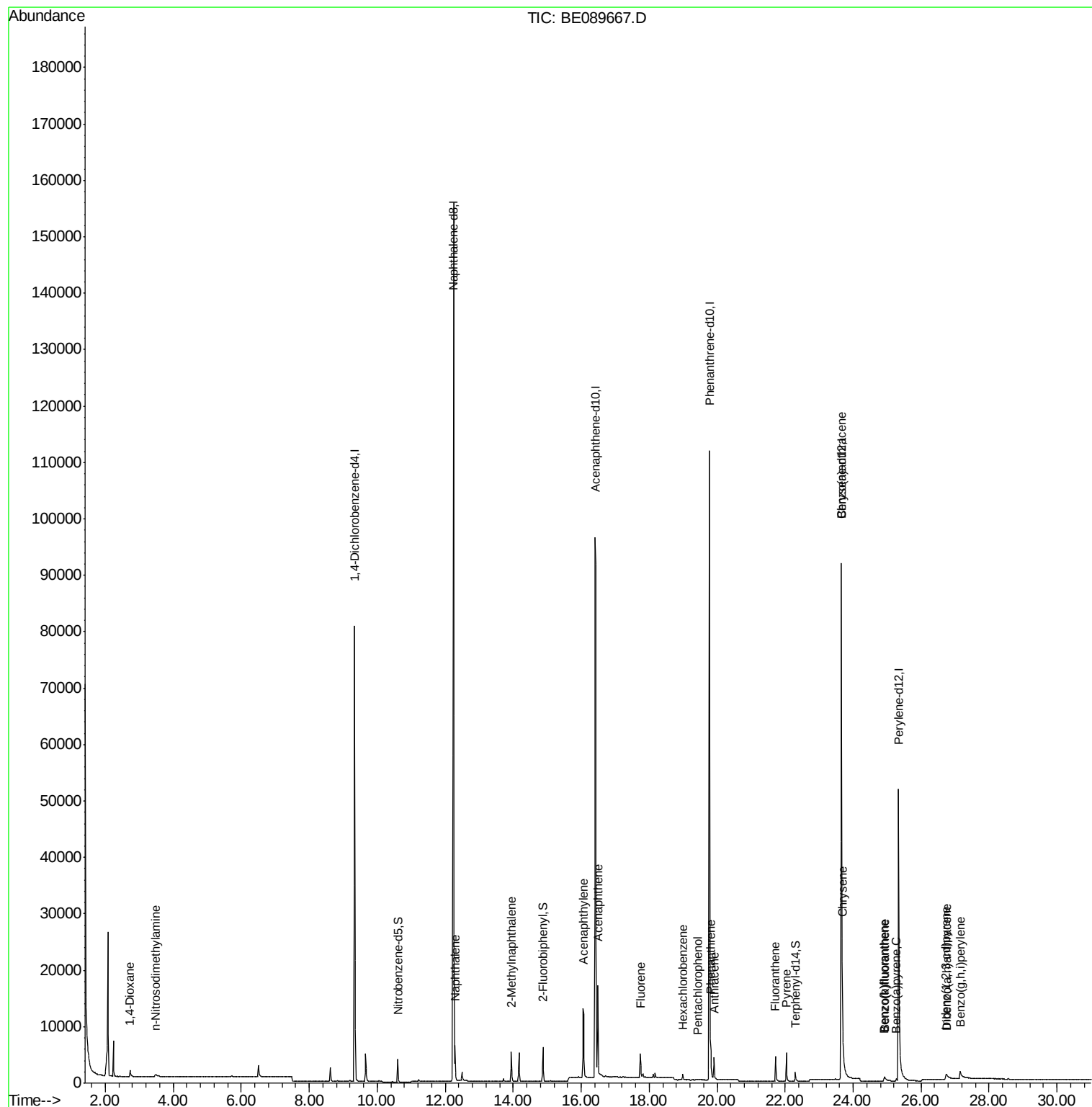
Target Compounds						Qvalue
2) 1,4-Dioxane	2.72	88	946	0.21	ng	93
3) n-Nitrosodimethylamine	3.47	42	984	0.19	ng	# 89
6) Naphthalene	12.29	128	7469	0.21	ng	99
7) 2-Methylnaphthalene	13.95	142	3691	0.18	ng	99
10) Acenaphthylene	16.06	152	18650	0.20	ng	100
11) Acenaphthene	16.49	154	3187	0.21	ng	97
12) Fluorene	17.74	166	3406	0.20	ng	98
14) Hexachlorobenzene	18.99	284	652	0.21	ng	98
15) Pentachlorophenol	19.44	266	39	0.08	ng	# 79
16) Phenanthrene	19.81	178	5441	0.21	ng	99
17) Anthracene	19.91	178	3999	0.19	ng	99
18) Fluoranthene	21.72	202	3834	0.18	ng	99
20) Pyrene	22.04	202	4164	0.20	ng	99
22) Benzo(a)anthracene	23.64	228	10118	0.18	ng	97
23) Chrysene	23.68	228	16863	0.22	ng	96
24) Indeno(1,2,3-cd)pyrene	26.73	276	2533	0.08	ng	# 61
26) Benzo(b)fluoranthene	24.91	252	542	0.09	ng	# 83
27) Benzo(k)fluoranthene	24.94	252	1529	0.11	ng	# 86
28) Benzo(a)pyrene	25.27	252	695	0.10	ng	# 83
29) Dibenzo(a,h)anthracene	26.77	278	401	0.07	ng	# 65
30) Benzo(g,h,i)perylene	27.15	276	3734	0.12	ng	# 77

(#) = 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: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

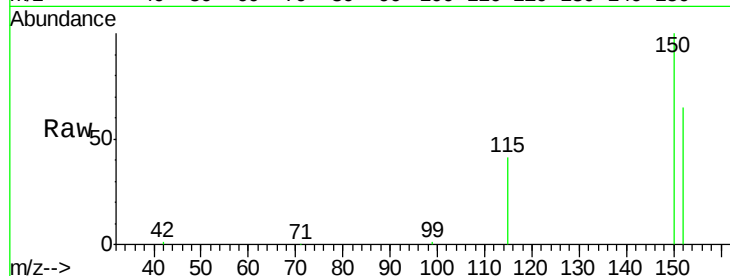
Tgt Ion: 152 Resp: 35443

Ion Ratio Lower Upper

152 100

150 154.2 123.4 185.0

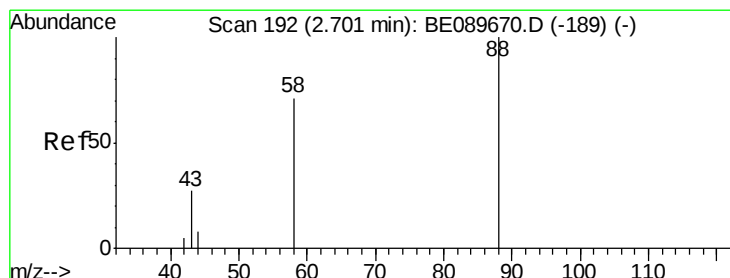
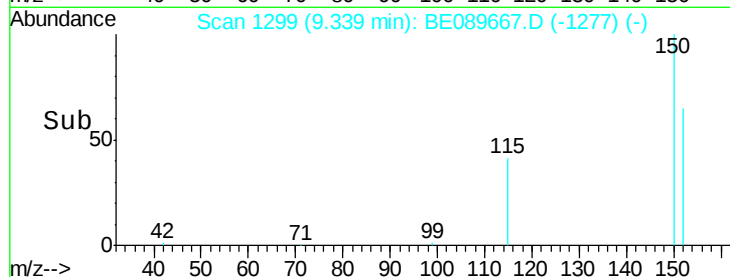
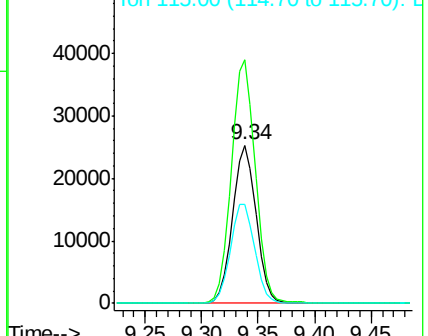
115 62.7 50.8 76.2



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: 0.21 ng

RT: 2.72 min Scan# 195

Delta R.T. 0.02 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

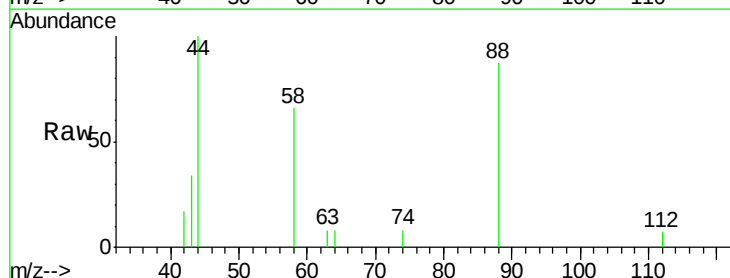
Tgt Ion: 88 Resp: 946

Ion Ratio Lower Upper

88 100

58 86.6 62.4 93.6

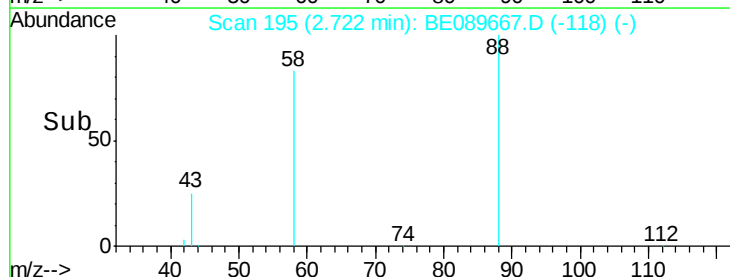
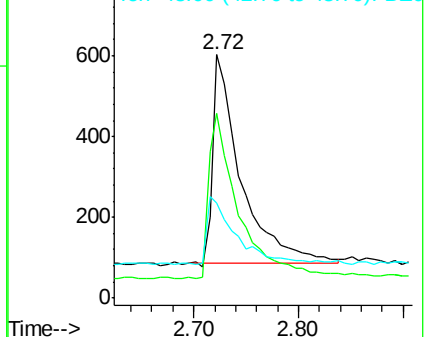
43 34.2 26.6 40.0

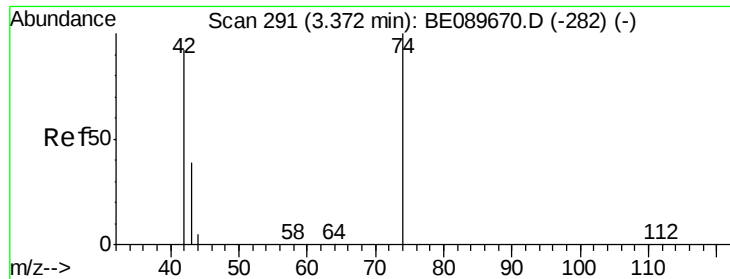


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



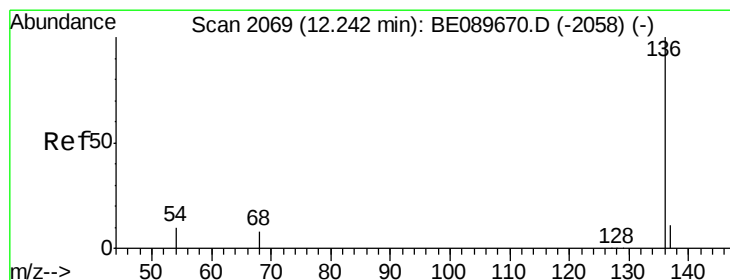
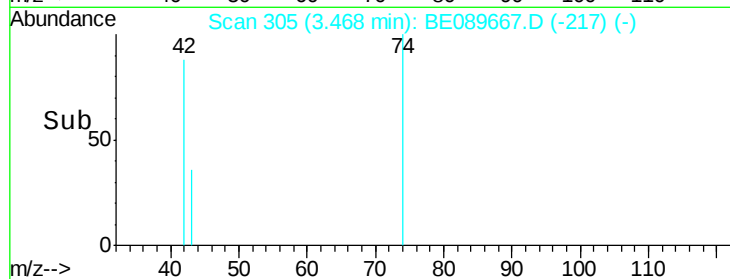
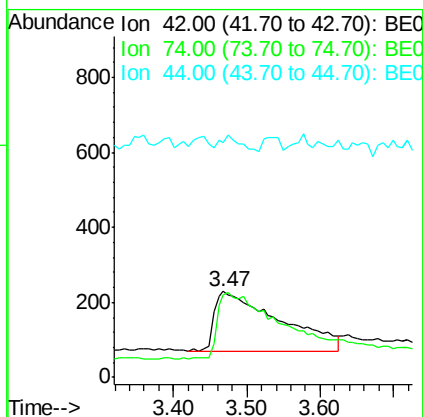
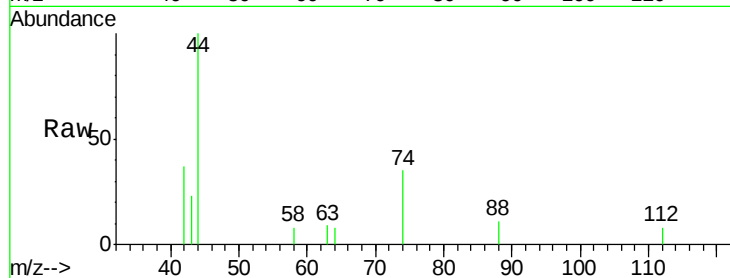


#3

n-Nitrosodimethylamine
 Concen: 0.19 ng
 RT: 3.47 min Scan# 305
 Delta R.T. 0.10 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

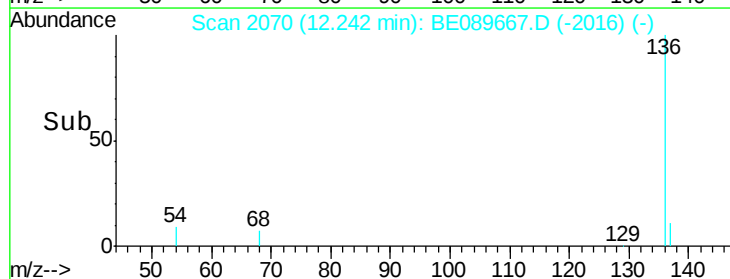
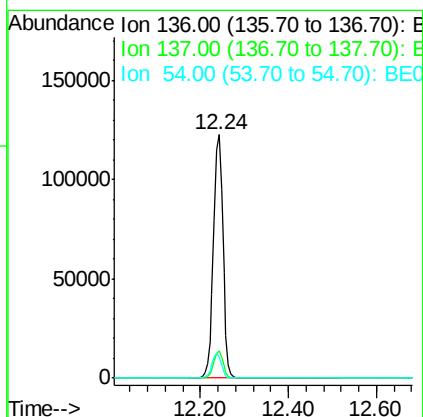
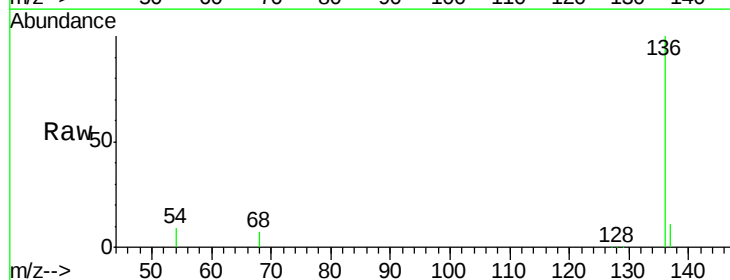
Tgt Ion: 42 Resp: 984
 Ion Ratio Lower Upper
 42 100
 74 126.5 91.1 136.7
 44 8.0 4.7 7.1#

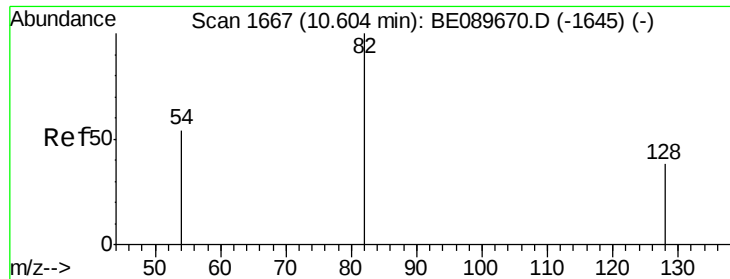


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

Tgt Ion: 136 Resp: 181556
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.7 13.1
 54 8.8 7.8 11.8





#5

Nitrobenzene-d5

Concen: 0.31 ng

RT: 10.61 min Scan# 1668

Delta R.T. 0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

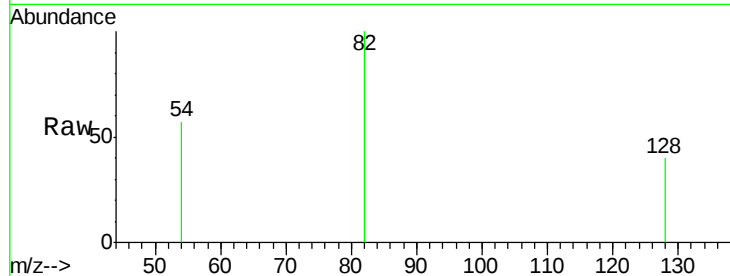
Tgt Ion: 82 Resp: 3135

Ion Ratio Lower Upper

82 100

128 40.1 30.6 46.0

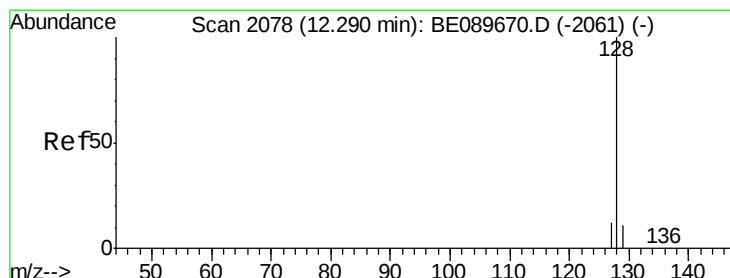
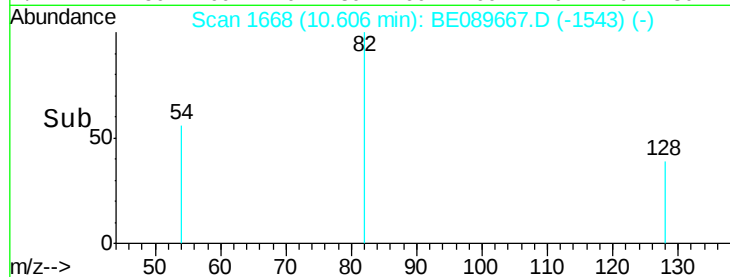
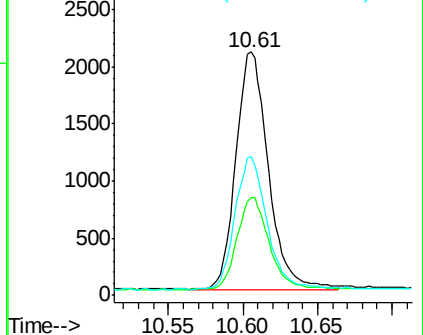
54 57.1 43.6 65.4



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: 0.21 ng

RT: 12.29 min Scan# 2079

Delta R.T. 0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

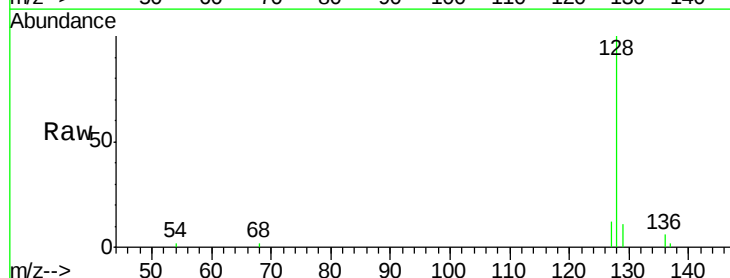
Tgt Ion: 128 Resp: 7469

Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

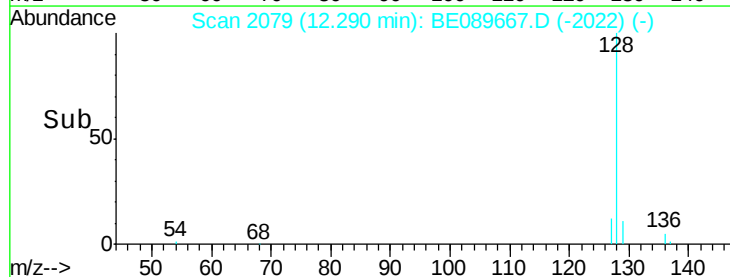
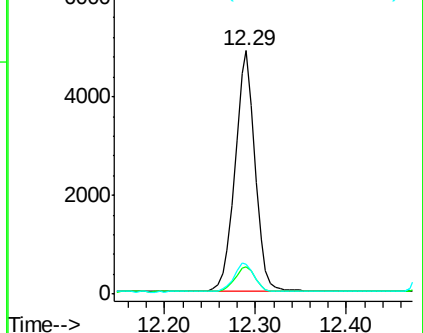
127 12.4 9.7 14.5



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: 0.18 ng

RT: 13.95 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

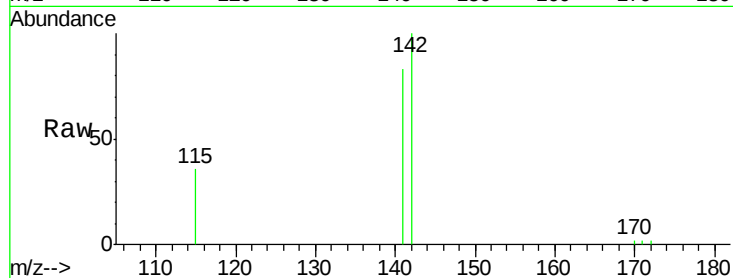
Tgt Ion:142 Resp: 3691

Ion Ratio Lower Upper

142 100

141 82.8 66.0 99.0

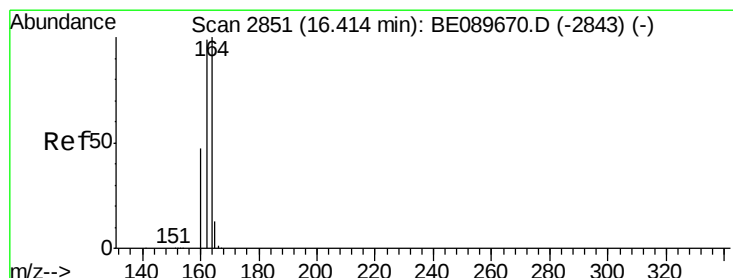
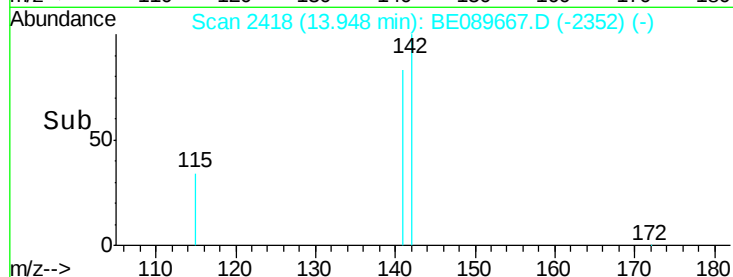
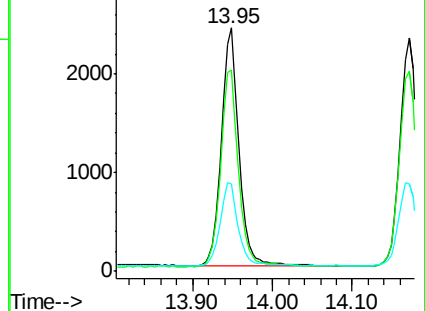
115 35.7 27.4 41.0



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# 2852

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

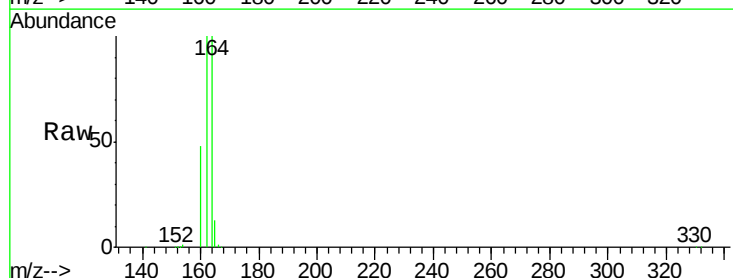
Tgt Ion:164 Resp: 65910

Ion Ratio Lower Upper

164 100

162 99.6 79.4 119.2

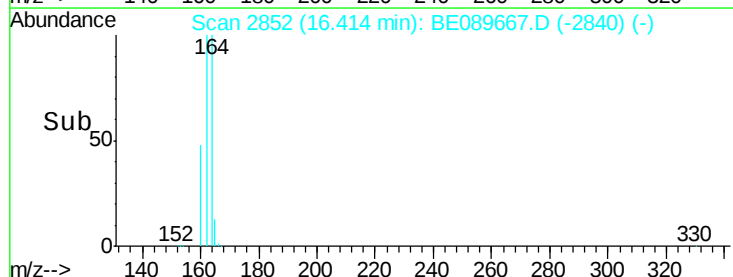
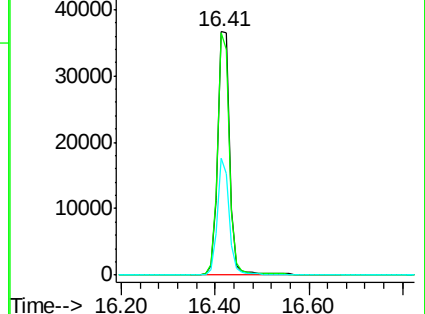
160 47.9 37.6 56.4



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

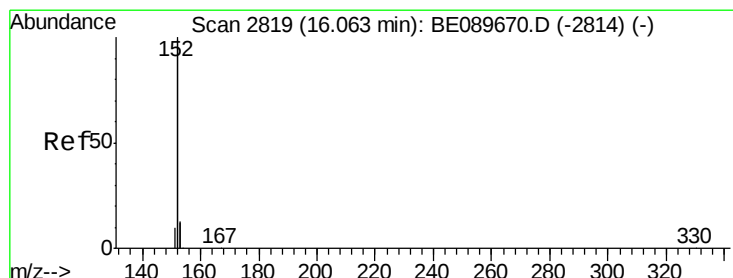
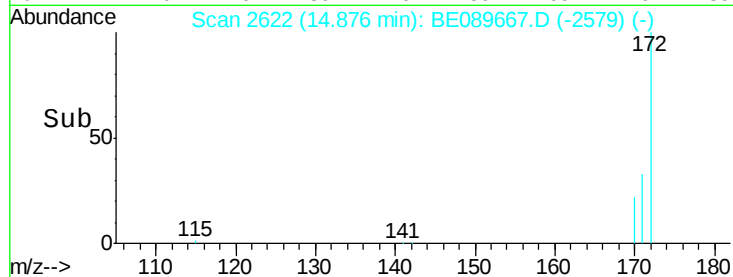
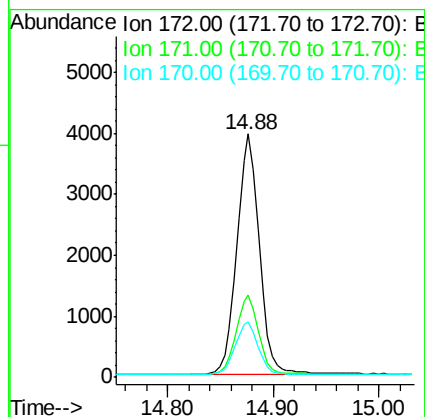
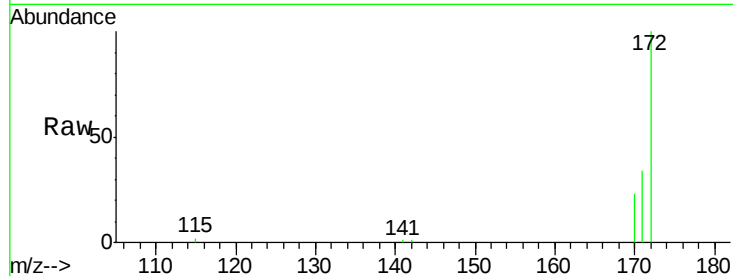




#9
 2-Fluorobiphenyl
 Concen: 0.34 ng
 RT: 14.88 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

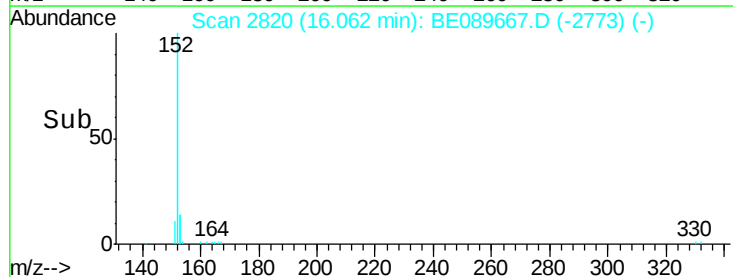
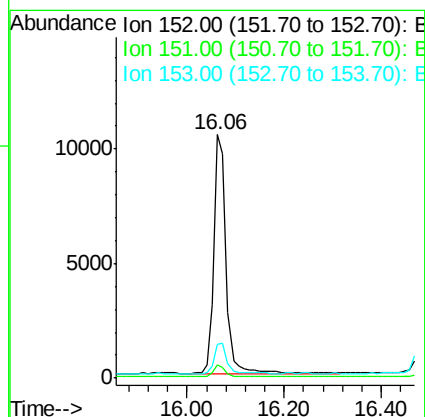
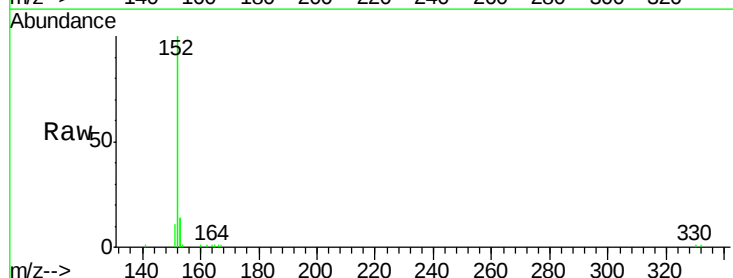
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

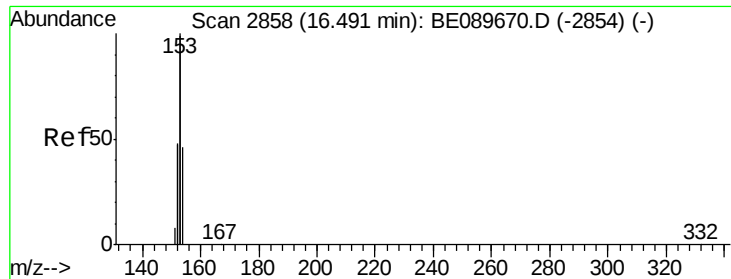
Tgt Ion:172 Resp: 5851
 Ion Ratio Lower Upper
 172 100
 171 33.7 27.3 40.9
 170 22.6 18.5 27.7



#10
 Acenaphthylene
 Concen: 0.20 ng
 RT: 16.06 min Scan# 2820
 Delta R.T. -0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

Tgt Ion:152 Resp: 18650
 Ion Ratio Lower Upper
 152 100
 151 4.9 3.8 5.6
 153 12.9 10.4 15.6





#11

Acenaphthene

Concen: 0.21 ng

RT: 16.49 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

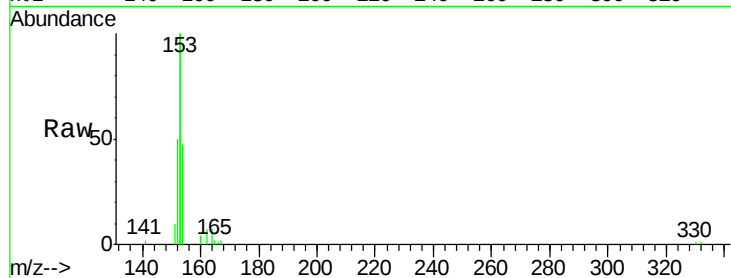
Tgt Ion:154 Resp: 3187

Ion Ratio Lower Upper

154 100

153 439.1 345.8 518.8

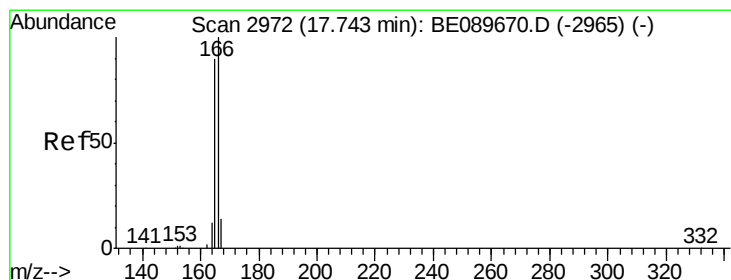
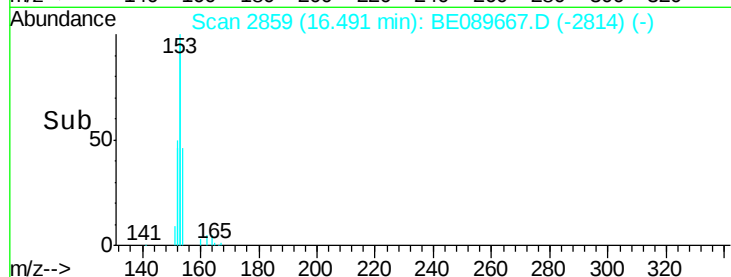
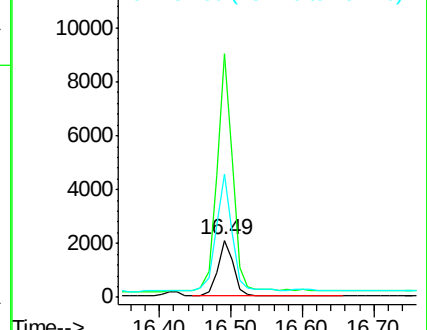
152 215.6 168.6 252.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.20 ng

RT: 17.74 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

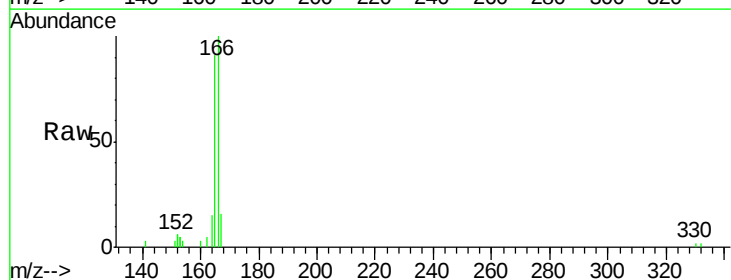
Tgt Ion:166 Resp: 3406

Ion Ratio Lower Upper

166 100

165 90.2 73.6 110.4

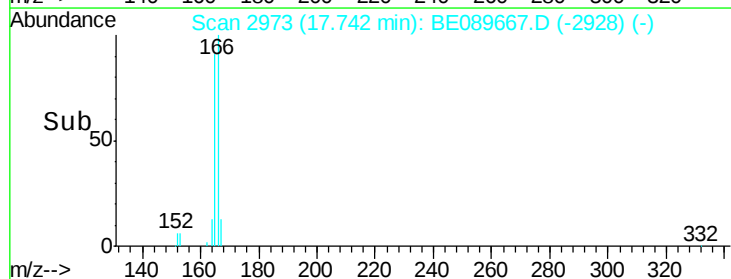
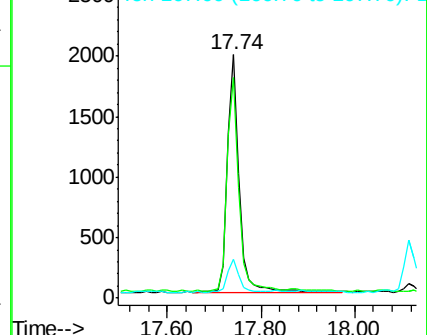
167 13.4 10.6 16.0

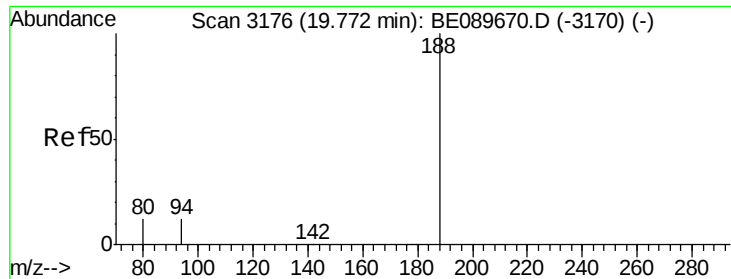


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

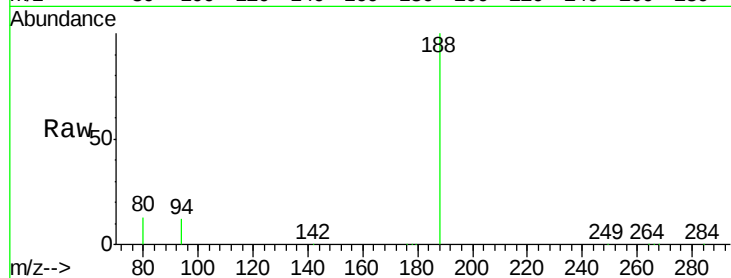




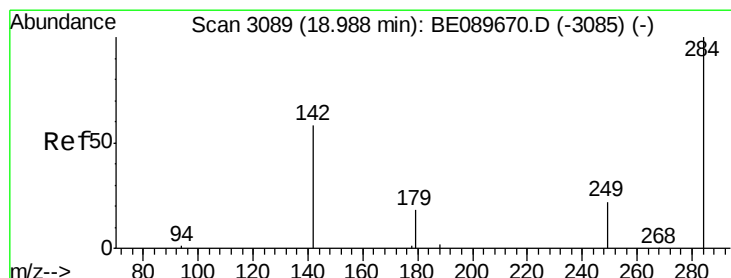
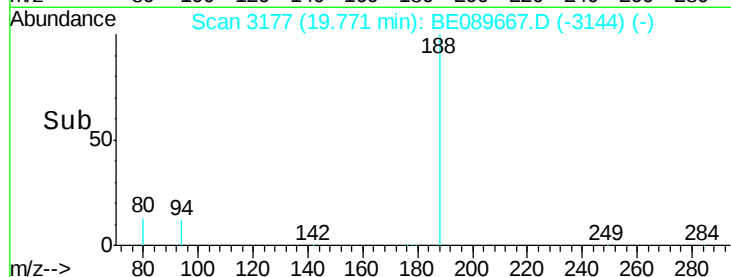
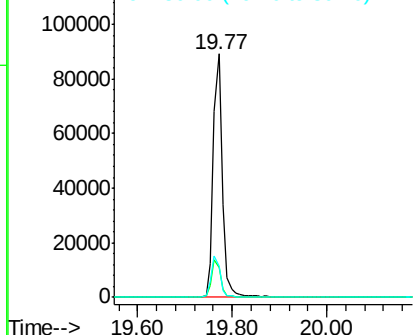
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BE089667.D
Acq: 24 Feb 2015 12:25

Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:188 Resp: 119858
Ion Ratio Lower Upper
188 100
94 12.4 9.4 14.2
80 12.6 9.5 14.3

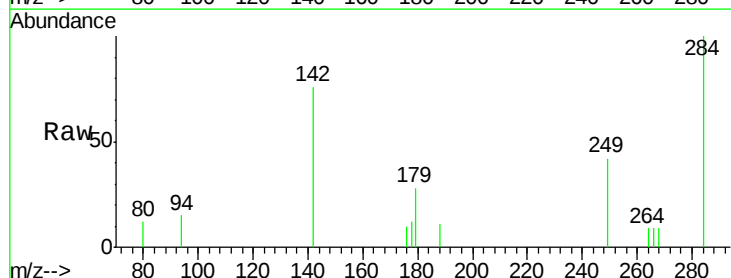


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

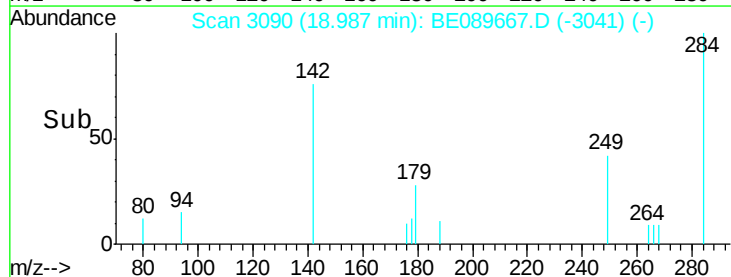
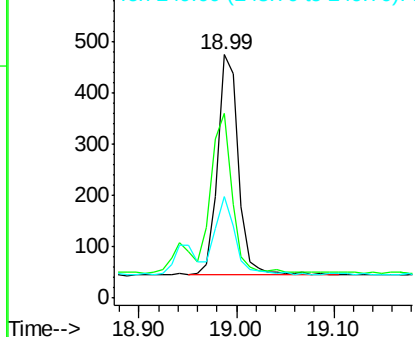


#14
Hexachlorobenzene
Concen: 0.21 ng
RT: 18.99 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089667.D
Acq: 24 Feb 2015 12:25

Tgt Ion:284 Resp: 652
Ion Ratio Lower Upper
284 100
142 70.9 55.4 83.2
249 32.7 27.2 40.8



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

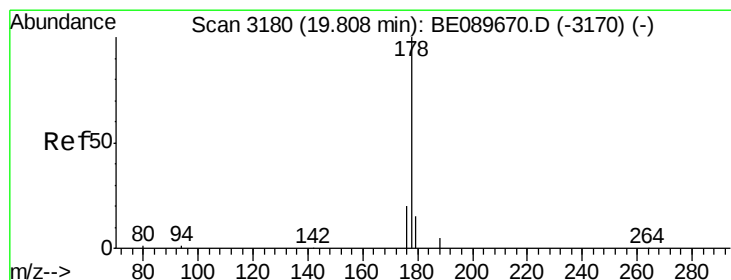
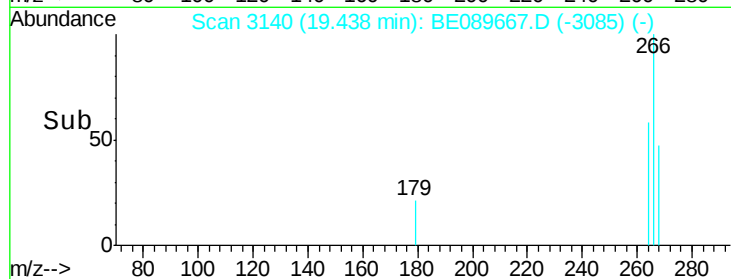
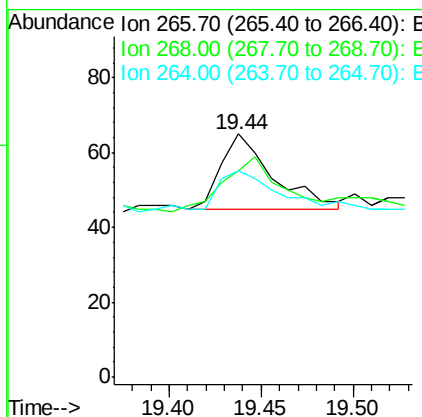
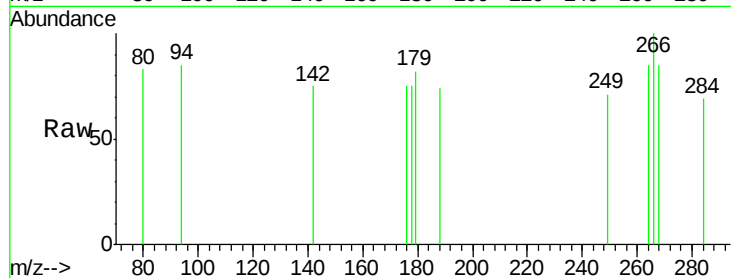




#15
 Pentachlorophenol
 Concen: 0.08 ng
 RT: 19.44 min Scan# 3140
 Delta R.T. -0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

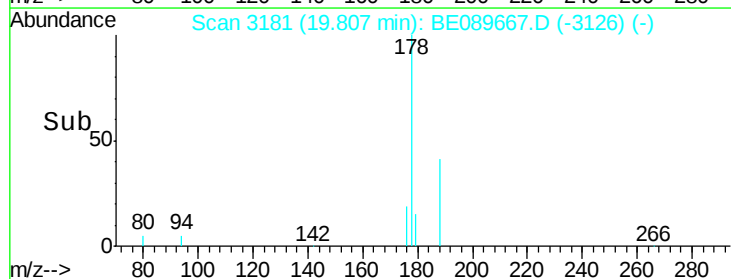
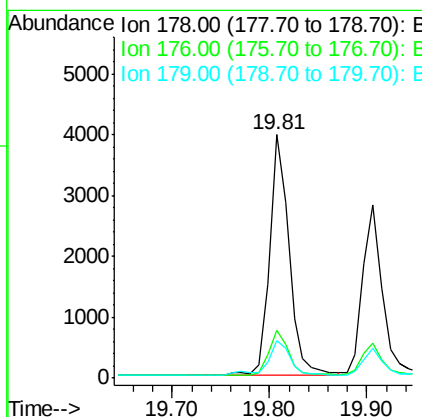
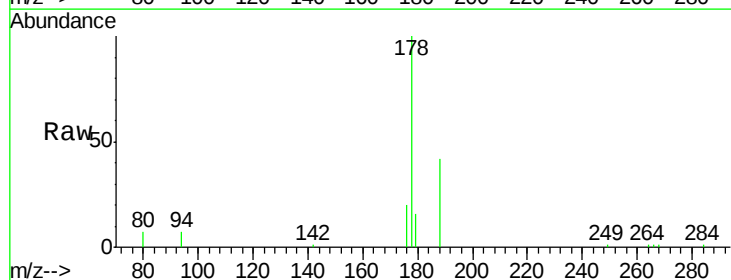
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

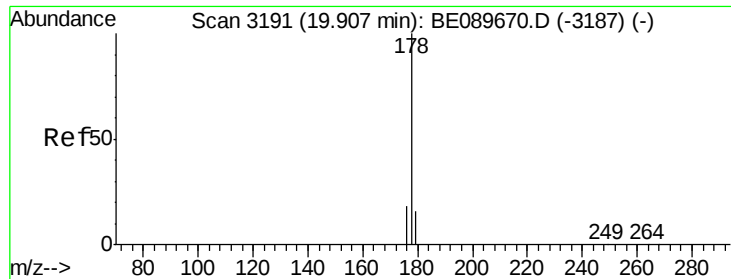
Tgt Ion: 266 Resp: 39
 Ion Ratio Lower Upper
 266 100
 268 84.6 56.3 84.5#
 264 84.6 51.8 77.8#



#16
 Phenanthrene
 Concen: 0.21 ng
 RT: 19.81 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

Tgt Ion: 178 Resp: 5441
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 16.3 12.5 18.7





#17

Anthracene

Concen: 0.19 ng

RT: 19.91 min Scan# 3192

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

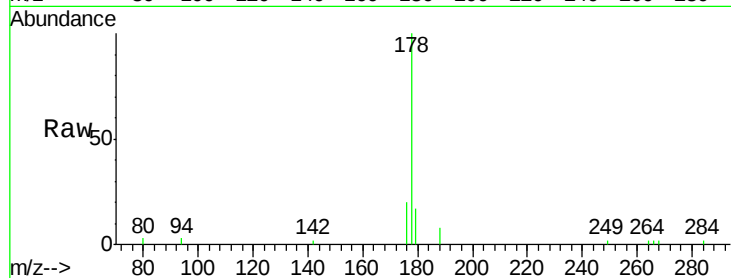
Tgt Ion:178 Resp: 3999

Ion Ratio Lower Upper

178 100

176 19.3 14.8 22.2

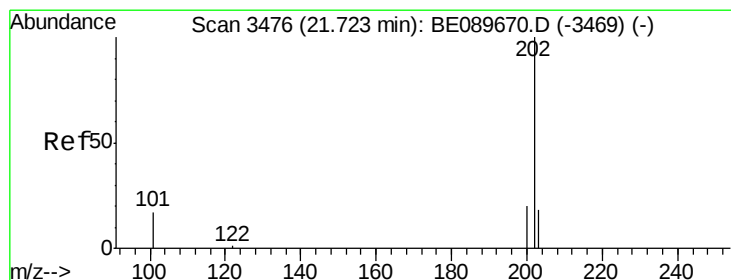
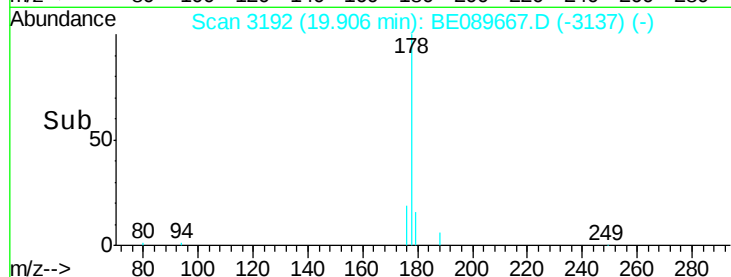
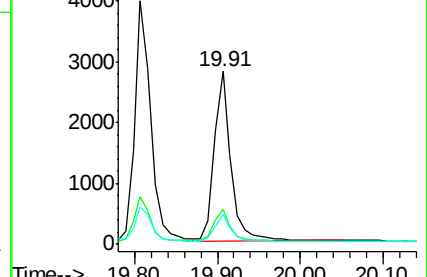
179 15.5 12.2 18.2



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: 0.18 ng

RT: 21.72 min Scan# 3477

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

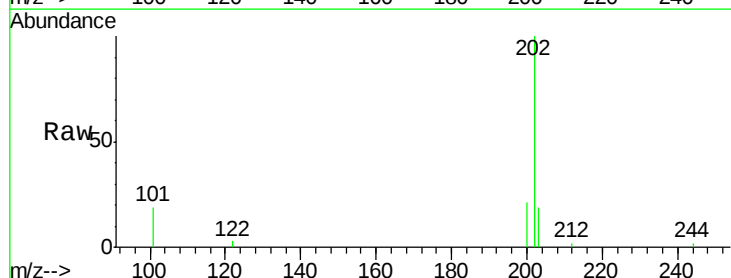
Tgt Ion:202 Resp: 3834

Ion Ratio Lower Upper

202 100

101 18.5 14.9 22.3

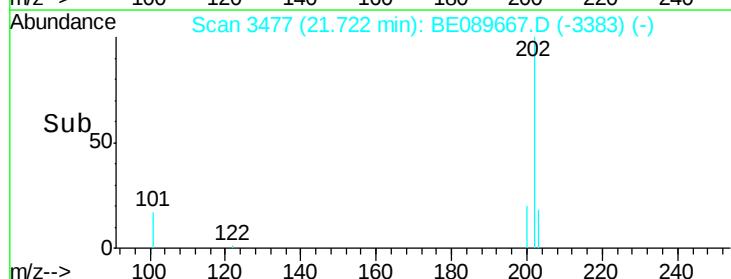
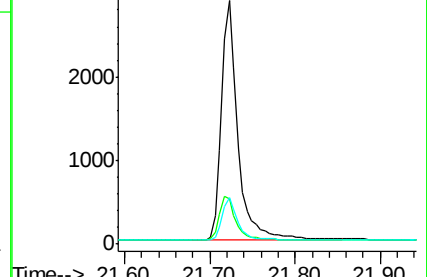
203 16.8 13.8 20.6

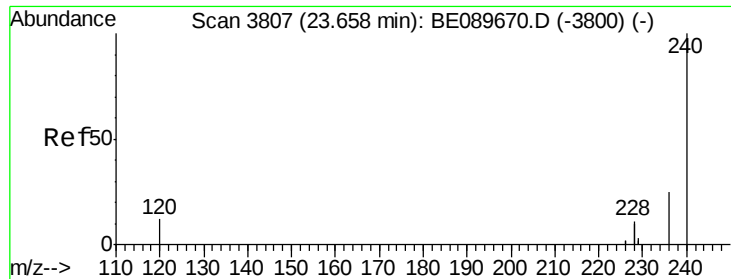


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3808

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

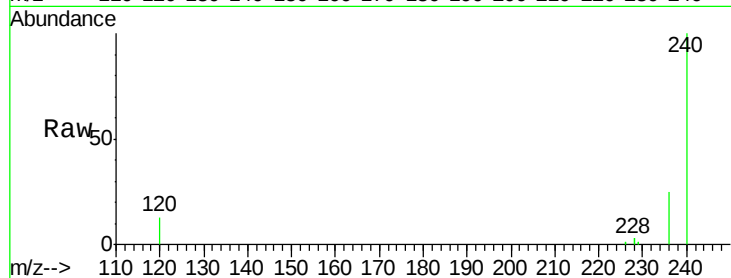
Tgt Ion:240 Resp: 85699

Ion Ratio Lower Upper

240 100

120 12.9 9.4 14.0

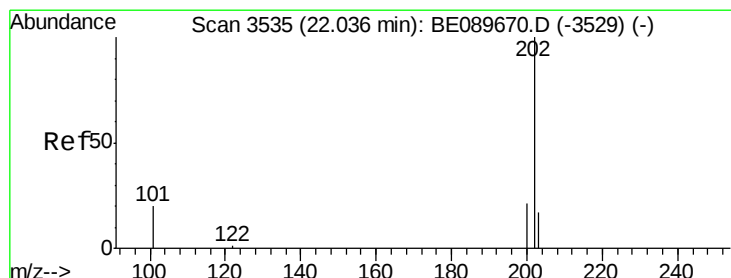
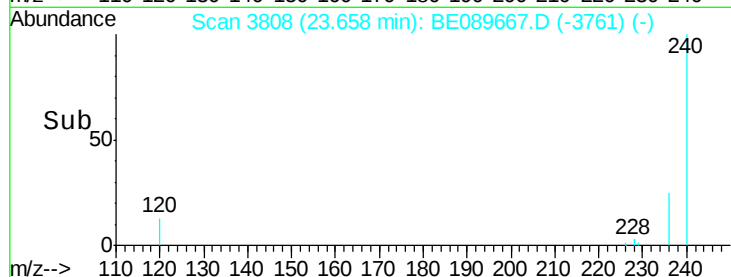
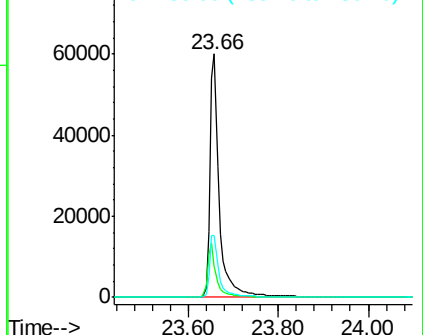
236 25.2 19.9 29.9



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: 0.20 ng

RT: 22.04 min Scan# 3536

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

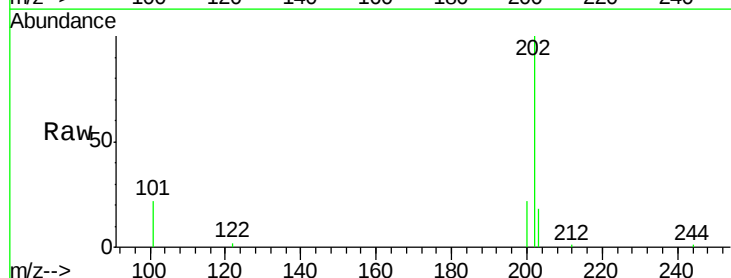
Tgt Ion:202 Resp: 4164

Ion Ratio Lower Upper

202 100

200 20.7 16.4 24.6

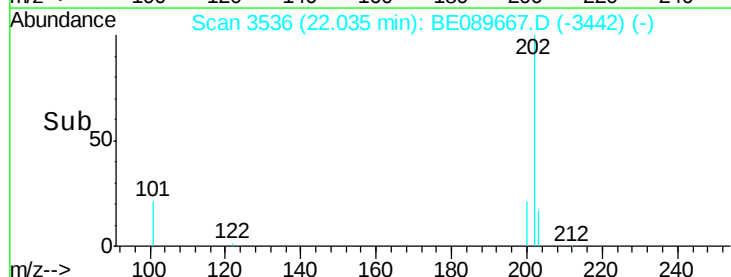
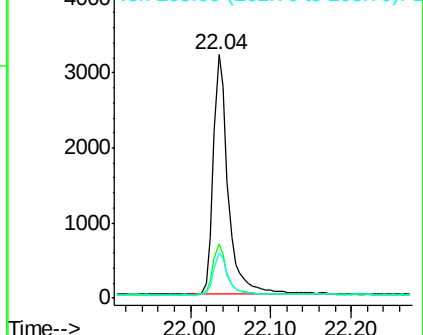
203 16.8 13.9 20.9

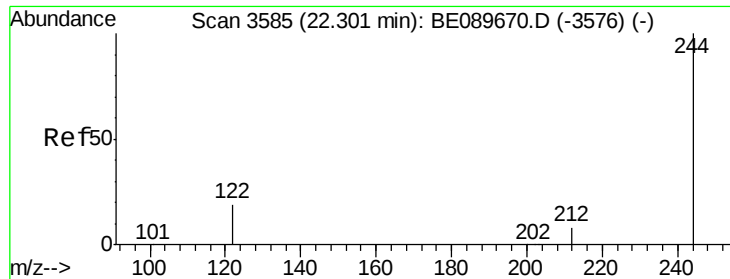


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 0.19 ng

RT: 22.30 min Scan# 3586

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

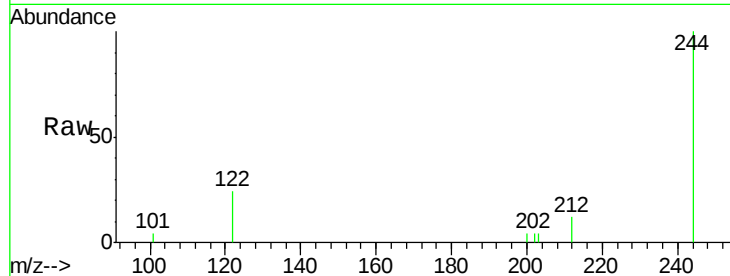
Tgt Ion:244 Resp: 2059

Ion Ratio Lower Upper

244 100

212 12.1 7.0 10.6#

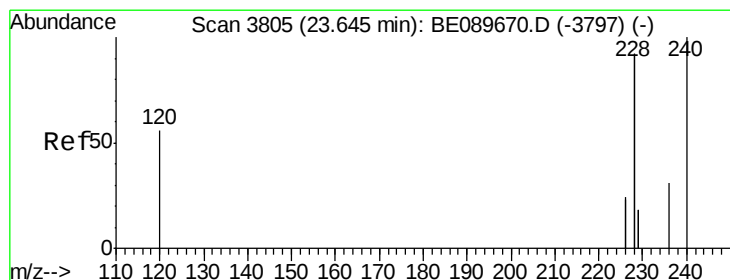
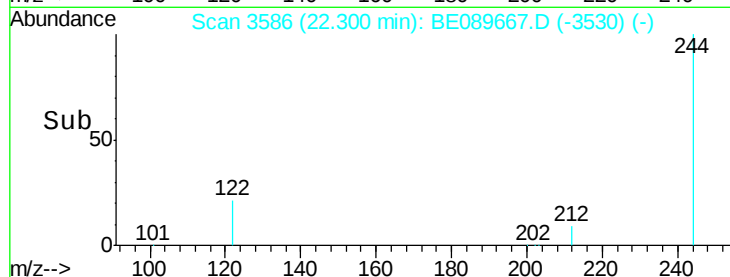
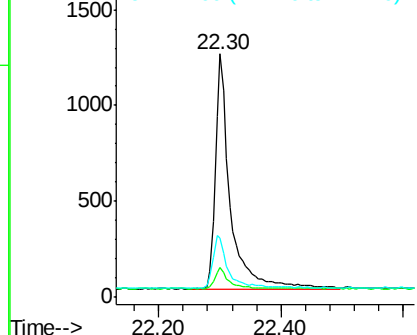
122 24.1 15.4 23.0#



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: 0.18 ng

RT: 23.64 min Scan# 3806

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

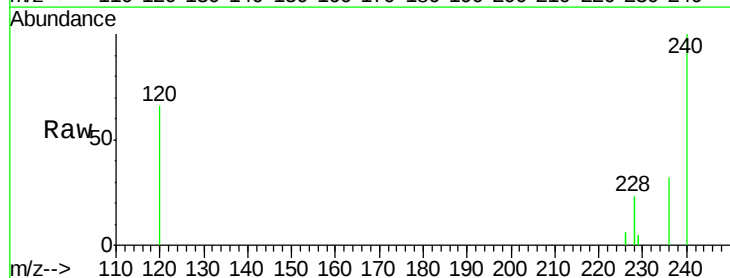
Tgt Ion:228 Resp: 10118

Ion Ratio Lower Upper

228 100

226 27.5 20.6 31.0

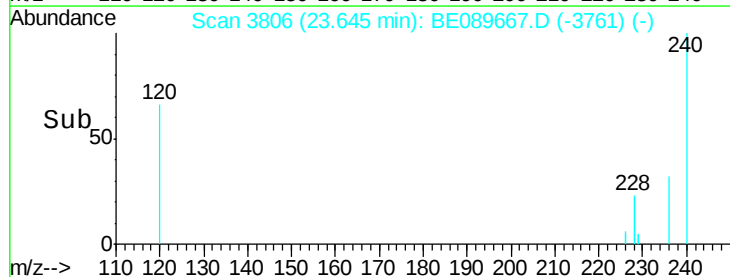
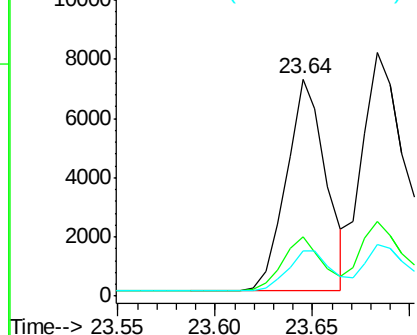
229 20.9 15.8 23.6



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: 0.22 ng

RT: 23.68 min Scan# 3812

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

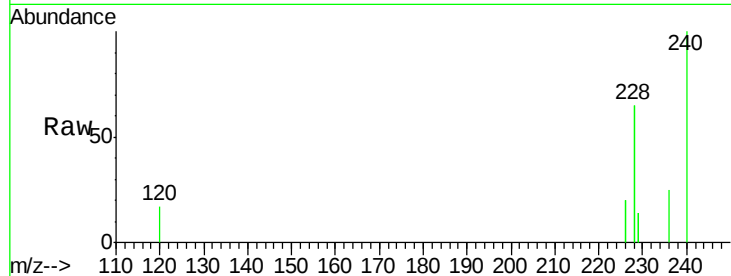
Tgt Ion:228 Resp: 16863

Ion Ratio Lower Upper

228 100

226 30.9 23.6 35.4

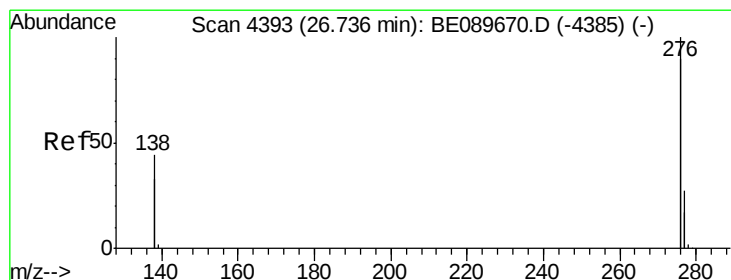
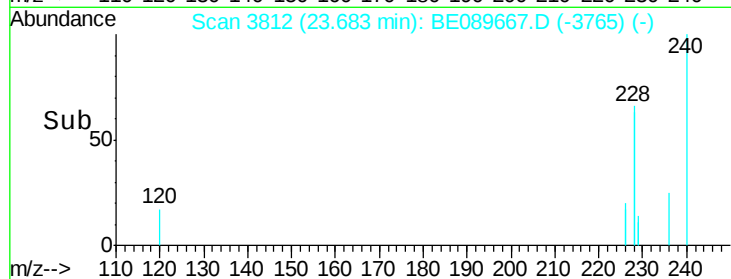
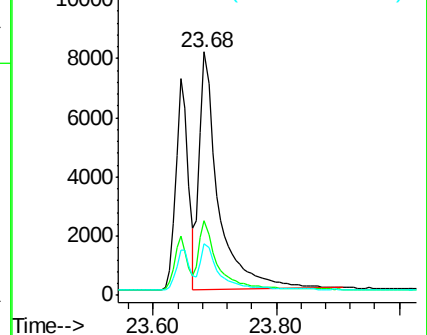
229 21.4 15.3 22.9



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: 0.08 ng

RT: 26.73 min Scan# 4394

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

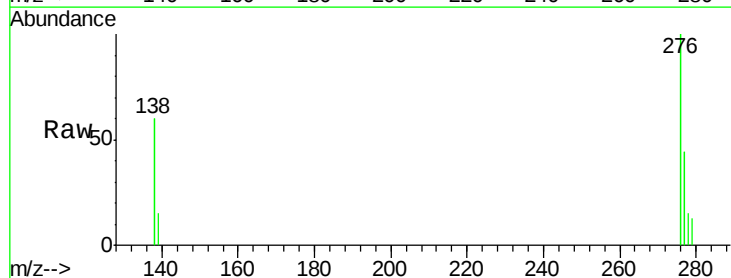
Tgt Ion:276 Resp: 2533

Ion Ratio Lower Upper

276 100

138 40.2 0.0 0.0#

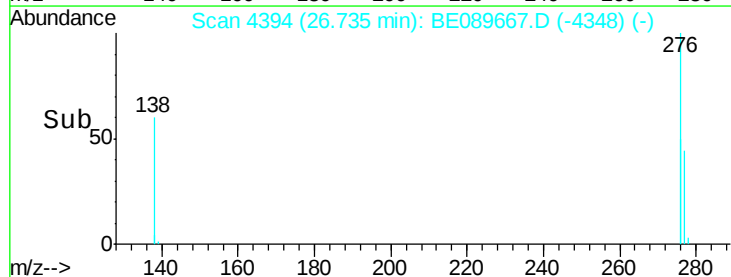
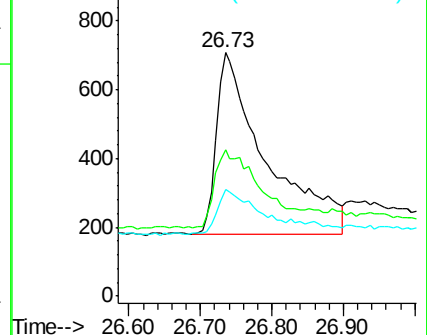
277 19.7 5.2 7.8#

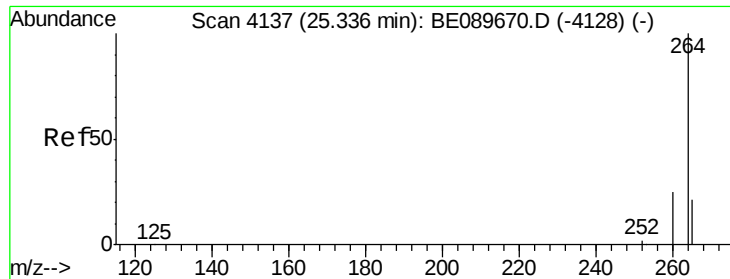


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

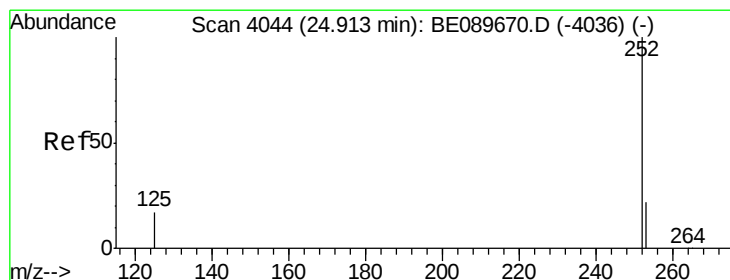
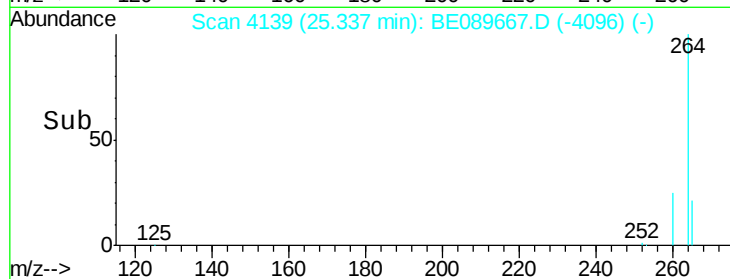
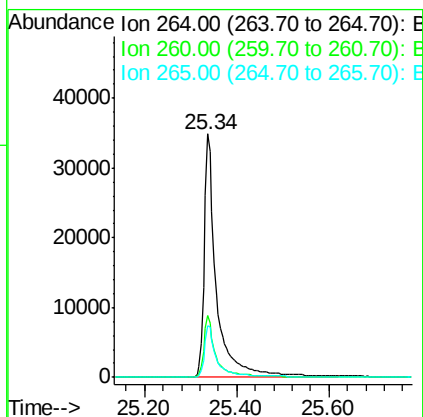
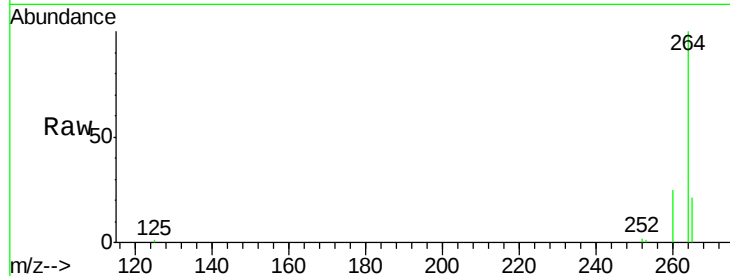




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

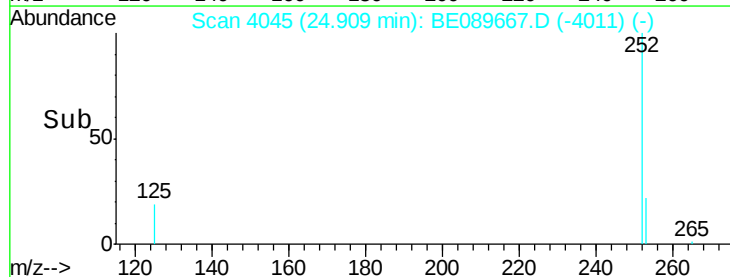
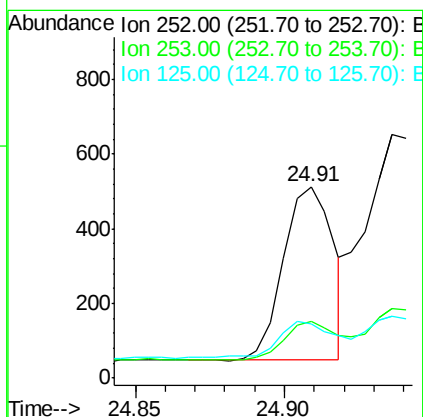
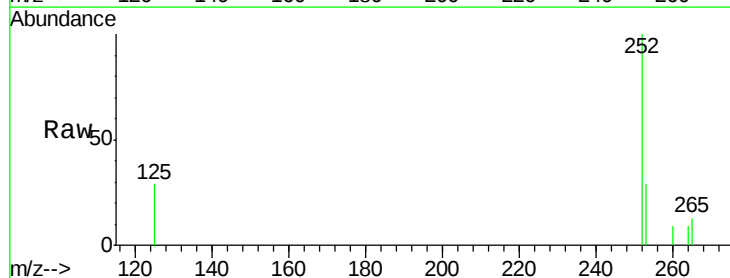
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 264 Resp: 64306
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.2 30.4
 265 21.2 17.0 25.4



#26
 Benzo(b)fluoranthene
 Concen: 0.09 ng
 RT: 24.91 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: BE089667.D
 Acq: 24 Feb 2015 12:25

Tgt Ion: 252 Resp: 542
 Ion Ratio Lower Upper
 252 100
 253 29.5 18.6 27.8#
 125 28.5 15.0 22.6#





#27

Benzo(k)fluoranthene

Concen: 0.11 ng

RT: 24.94 min Scan# 4051

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

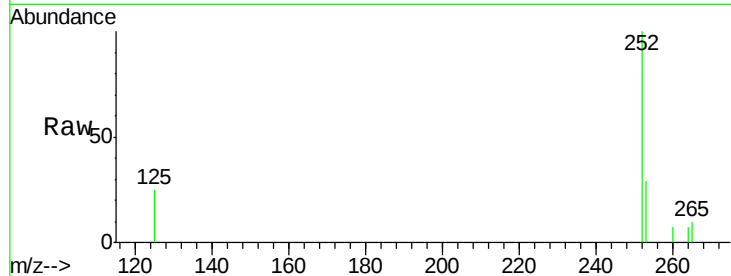
Tgt Ion:252 Resp: 1529

Ion Ratio Lower Upper

252 100

253 28.7 18.0 27.0#

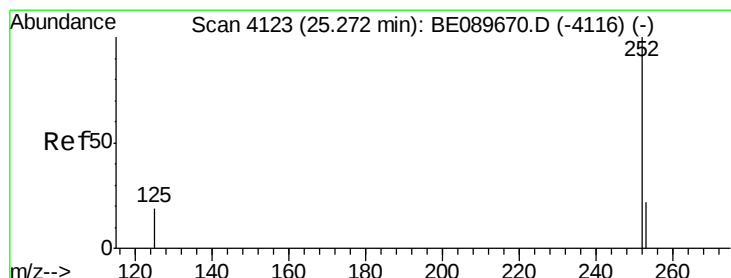
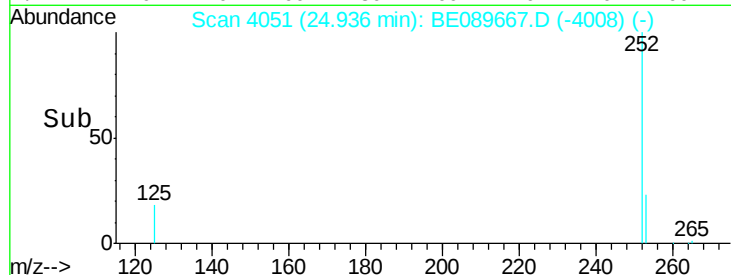
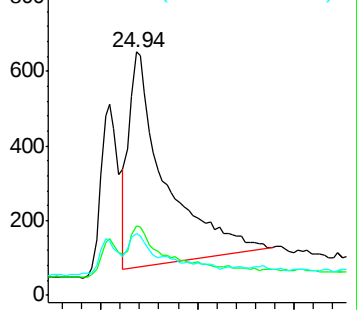
125 25.2 14.3 21.5#



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: 0.10 ng

RT: 25.27 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

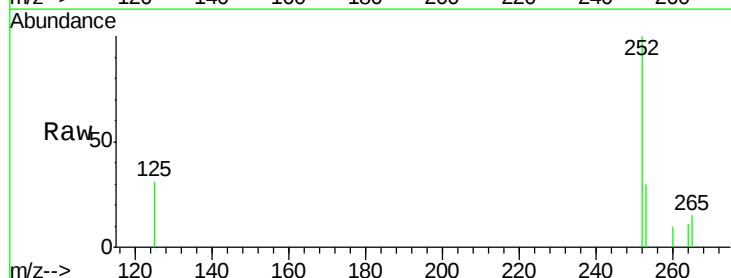
Tgt Ion:252 Resp: 695

Ion Ratio Lower Upper

252 100

253 29.6 18.8 28.2#

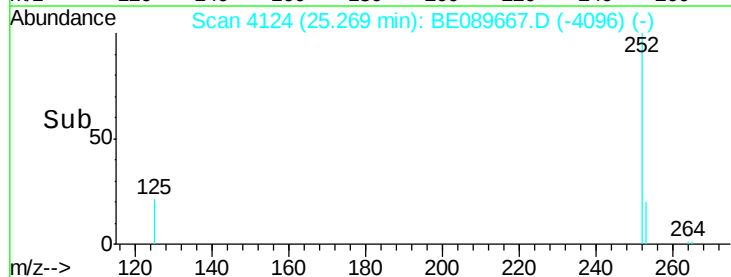
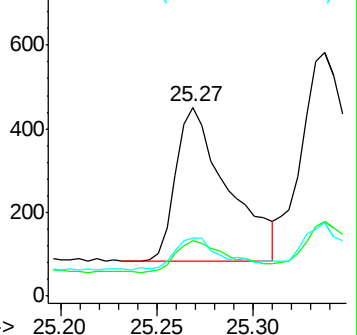
125 30.8 16.6 24.8#



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: 0.07 ng

RT: 26.77 min Scan# 4399

Delta R.T. -0.00 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

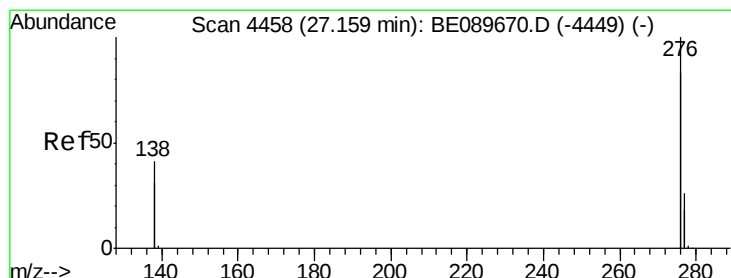
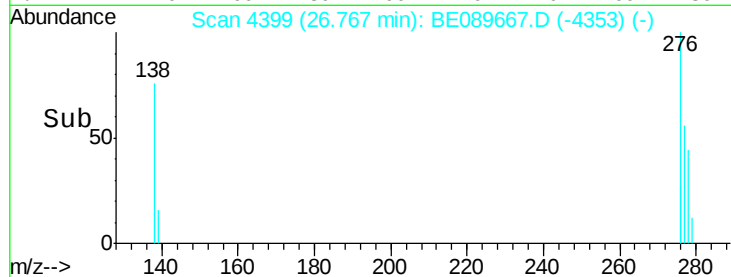
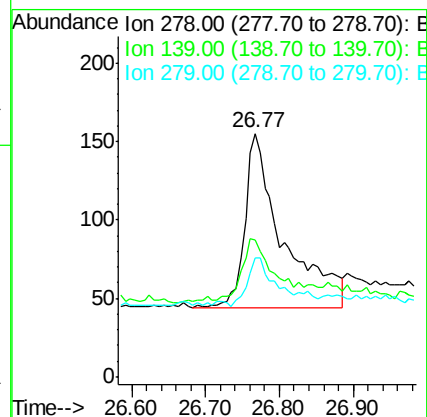
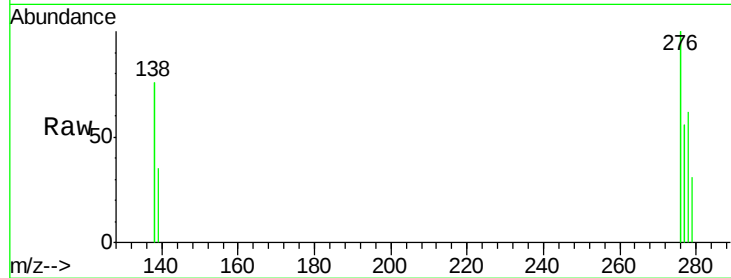
Tgt Ion: 278 Resp: 401

Ion Ratio Lower Upper

278 100

139 56.1 30.4 45.6#

279 49.0 22.0 33.0#



#30

Benzo(g,h,i)perylene

Concen: 0.12 ng

RT: 27.15 min Scan# 4458

Delta R.T. -0.01 min

Lab File: BE089667.D

Acq: 24 Feb 2015 12:25

Tgt Ion: 276 Resp: 3734

Ion Ratio Lower Upper

276 100

277 38.1 21.0 31.6#

138 55.1 33.0 49.4#

