

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022515\
 Data File : BE089690.D
 Acq On : 25 Feb 2015 21:29
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 26 00:13:51 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 26 00:03:50 2015
 Response via : Initial Calibration

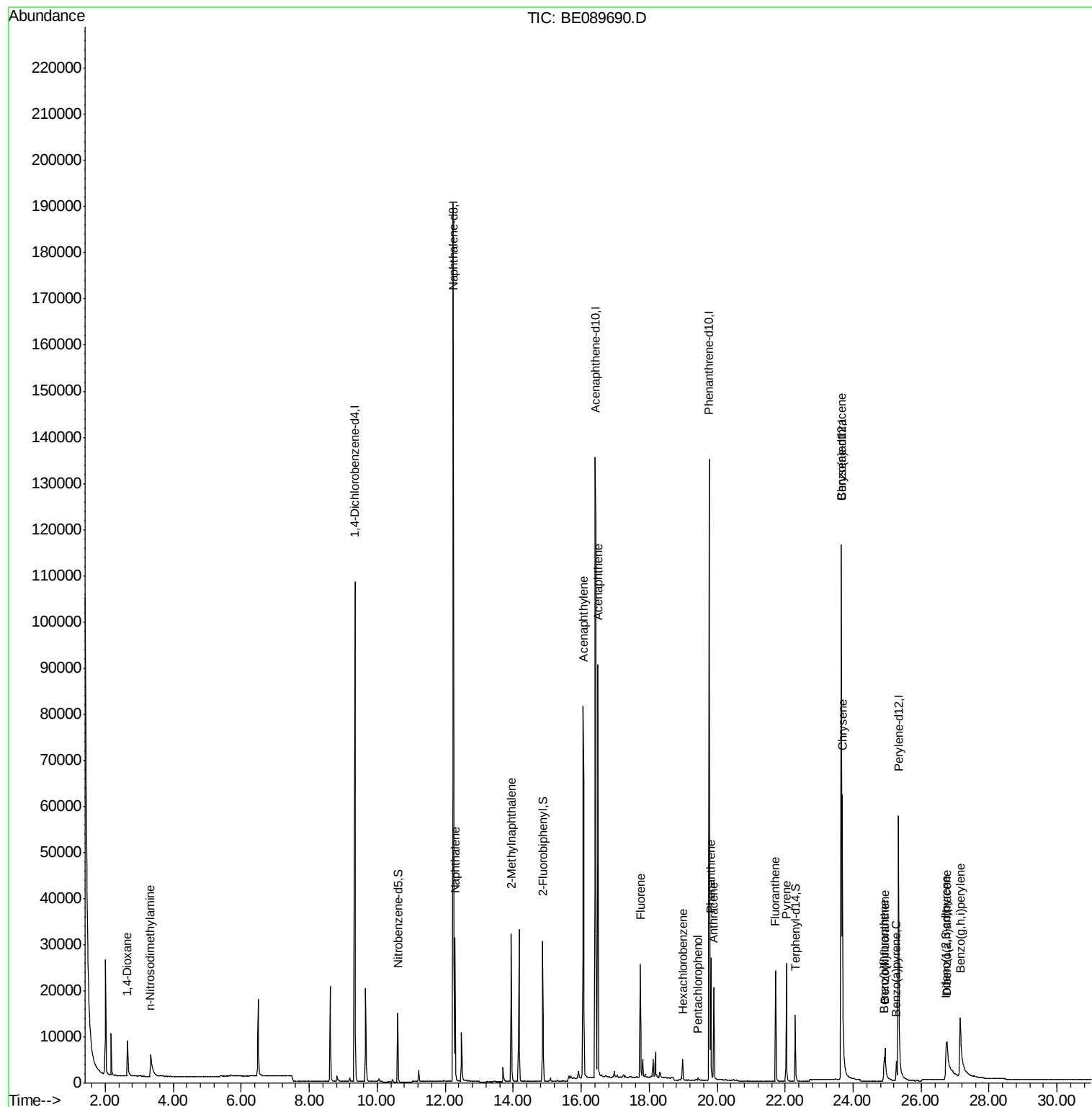
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	46617	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	210164	5.00	ng	0.00
8) Acenaphthene-d10	16.41	164	87218	5.00	ng	0.00
13) Phenanthrene-d10	19.76	188	127244	5.00	ng	0.00
19) Chrysene-d12	23.65	240	80635	5.00	ng	0.00
25) Perylene-d12	25.34	264	67771	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	10879	1.04	ng	0.00
9) 2-Fluorobiphenyl	14.87	172	27167	1.38	ng	0.00
21) Terphenyl-d14	22.30	244	14285	1.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.65	88	5732	0.98	ng	98
3) n-Nitrosodimethylamine	3.33	42	6786	0.94	ng	# 96
6) Naphthalene	12.28	128	35745	0.88	ng	99
7) 2-Methylnaphthalene	13.94	142	20585	0.89	ng	98
10) Acenaphthylene	16.06	152	109503	0.87	ng	100
11) Acenaphthene	16.49	154	17323	0.87	ng	97
12) Fluorene	17.74	166	17776	0.81	ng	100
14) Hexachlorobenzene	18.99	284	2975	0.90	ng	96
15) Pentachlorophenol	19.43	266	425	1.32	ng	96
16) Phenanthrene	19.81	178	23929	0.88	ng	100
17) Anthracene	19.90	178	19893	0.86	ng	99
18) Fluoranthene	21.72	202	17662	0.78	ng	99
20) Pyrene	22.04	202	18639	0.96	ng	100
22) Benzo(a)anthracene	23.64	228	45598	0.86	ng	98
23) Chrysene	23.68	228	64546	0.88	ng	100
24) Indeno(1,2,3-cd)pyrene	26.73	276	32397	1.38	ng	# 46
26) Benzo(b)fluoranthene	24.91	252	5086	1.16	ng	98
27) Benzo(k)fluoranthene	24.94	252	13652	0.87	ng	99
28) Benzo(a)pyrene	25.27	252	6092	1.12	ng	97
29) Dibenzo(a,h)anthracene	26.77	278	5461	1.25	ng	# 91
30) Benzo(g,h,i)perylene	27.15	276	34742	1.15	ng	96

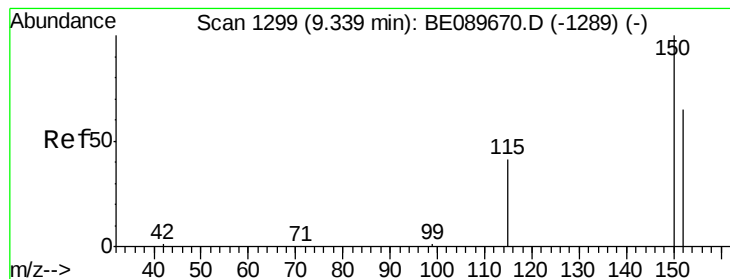
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

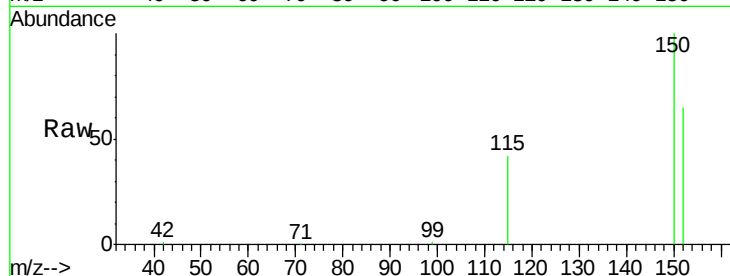
Tgt Ion:152 Resp: 46617

Ion Ratio Lower Upper

152 100

150 153.1 123.4 185.0

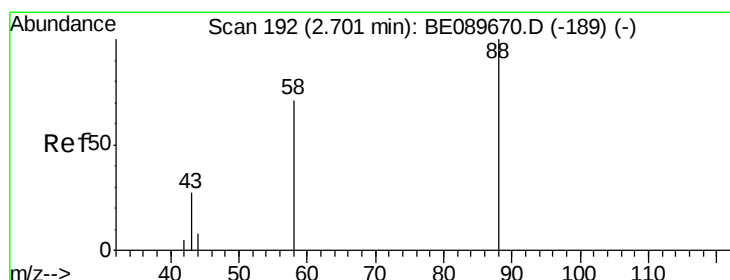
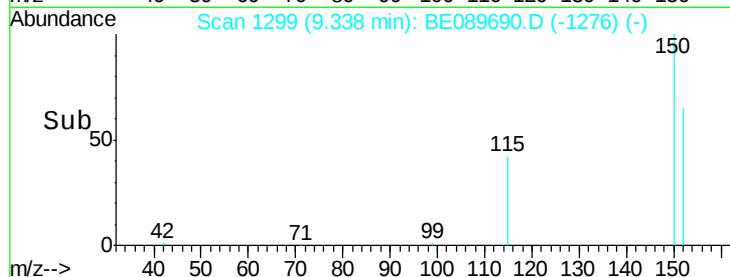
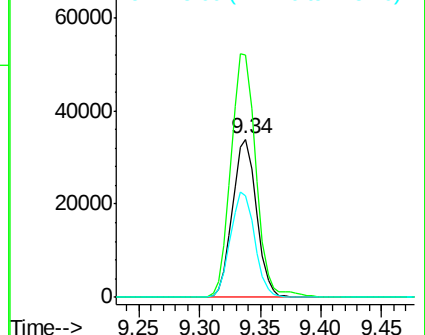
115 64.2 50.8 76.2



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: 0.98 ng

RT: 2.65 min Scan# 185

Delta R.T. 0.03 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

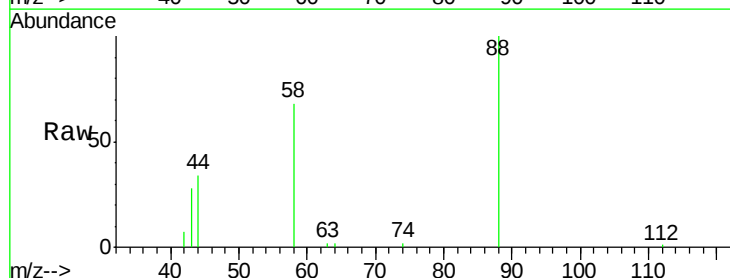
Tgt Ion: 88 Resp: 5732

Ion Ratio Lower Upper

88 100

58 77.5 62.4 93.6

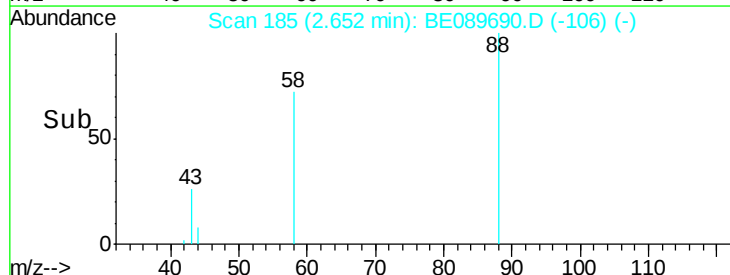
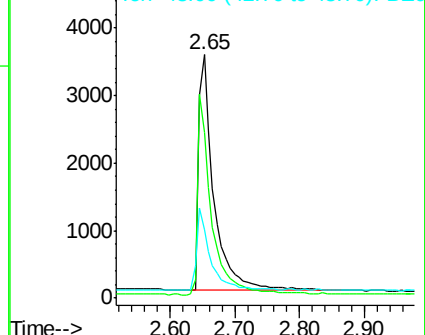
43 31.1 26.6 40.0

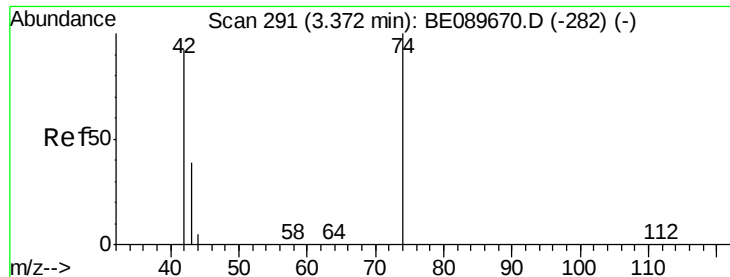


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



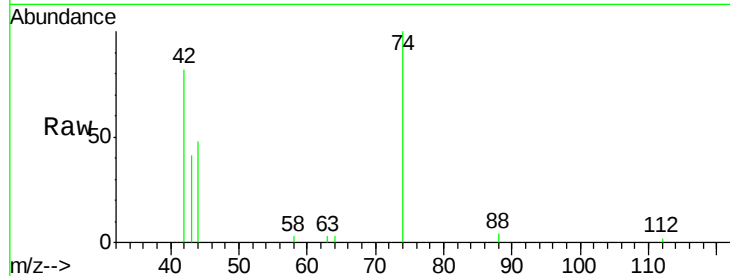


#3

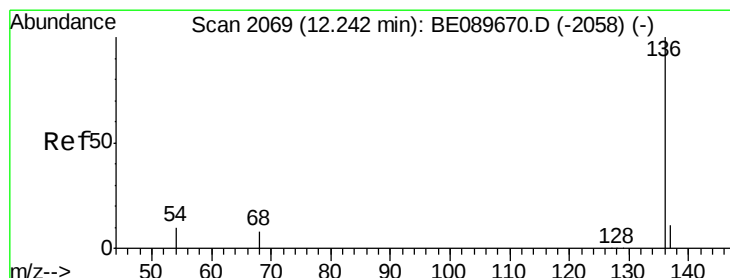
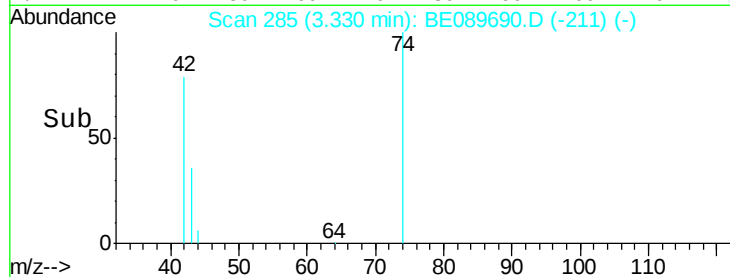
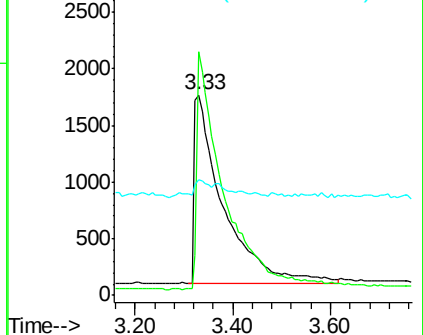
n-Nitrosodimethylamine
 Concen: 0.94 ng
 RT: 3.33 min Scan# 285
 Delta R.T. -0.00 min
 Lab File: BE089690.D
 Acq: 25 Feb 2015 21:29

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion: 42 Resp: 6786
 Ion Ratio Lower Upper
 42 100
 74 117.5 91.1 136.7
 44 3.3 4.7 7.1#



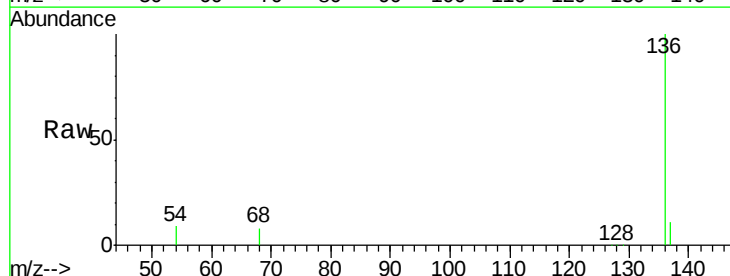
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



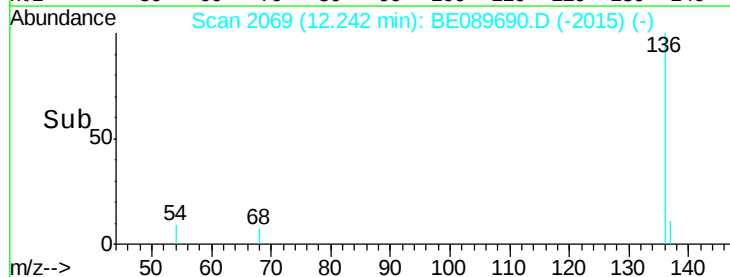
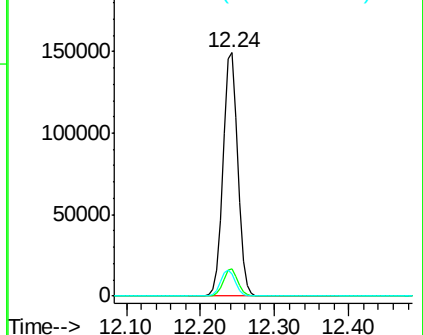
#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.24 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: BE089690.D
 Acq: 25 Feb 2015 21:29

Tgt Ion: 136 Resp: 210164
 Ion Ratio Lower Upper
 136 100
 137 11.0 8.7 13.1
 54 8.9 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: 1.04 ng

RT: 10.60 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

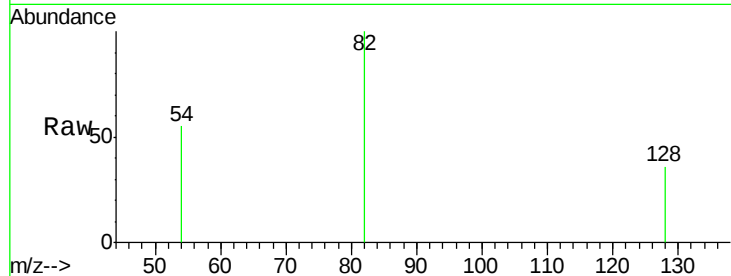
Tgt Ion: 82 Resp: 10879

Ion Ratio Lower Upper

82 100

128 36.0 30.6 46.0

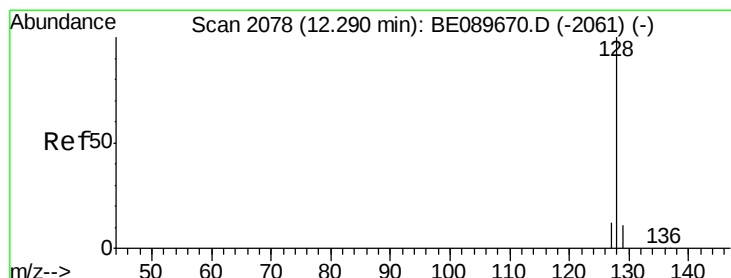
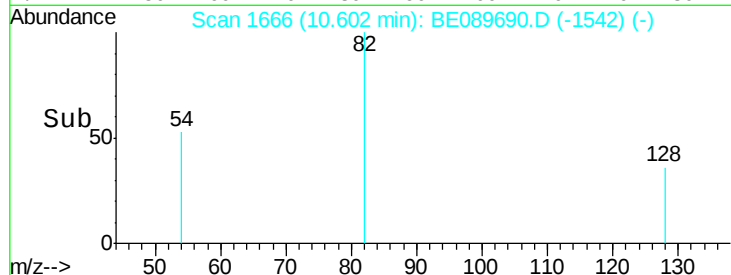
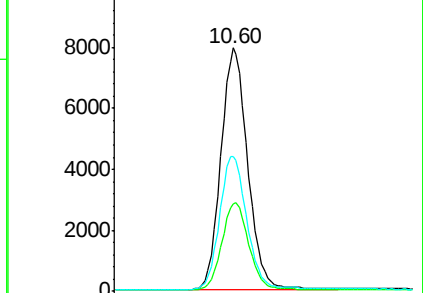
54 55.3 43.6 65.4



Abundance Ion 82.00 (81.70 to 82.70): BE089690.D (-1542) (-)

Ion 128.00 (127.70 to 128.70): BE089690.D (-1542) (-)

Ion 54.00 (53.70 to 54.70): BE089690.D (-1542) (-)



#6

Naphthalene

Concen: 0.88 ng

RT: 12.28 min Scan# 2077

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

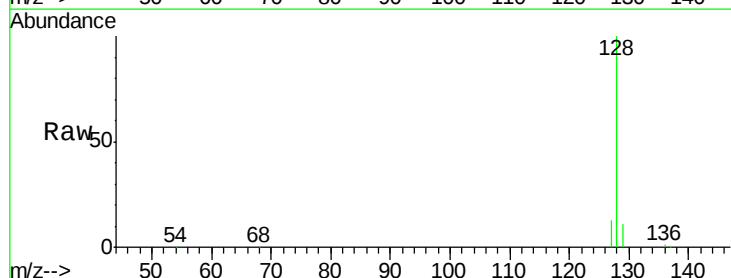
Tgt Ion: 128 Resp: 35745

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

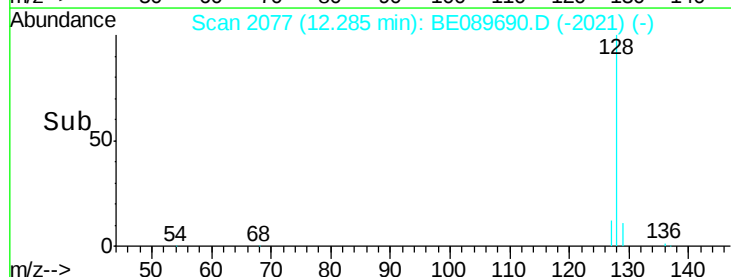
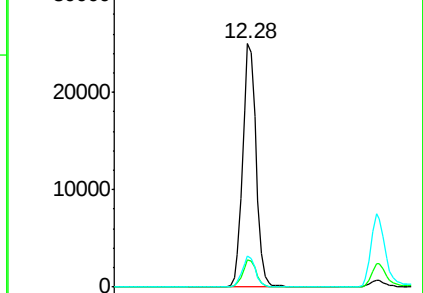
127 12.6 9.7 14.5



Abundance Ion 128.00 (127.70 to 128.70): BE089690.D (-2021) (-)

Ion 129.00 (128.70 to 129.70): BE089690.D (-2021) (-)

Ion 127.00 (126.70 to 127.70): BE089690.D (-2021) (-)





#7

2-Methylnaphthalene

Concen: 0.89 ng

RT: 13.94 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

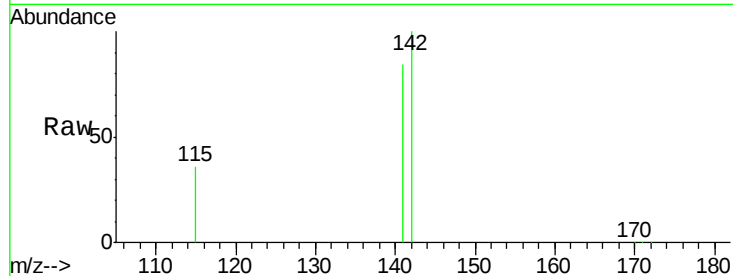
Tgt Ion:142 Resp: 20585

Ion Ratio Lower Upper

142 100

141 84.2 66.0 99.0

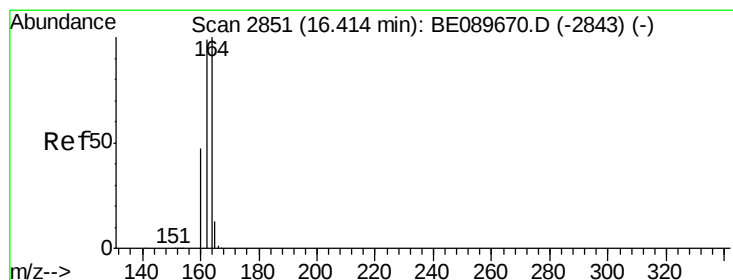
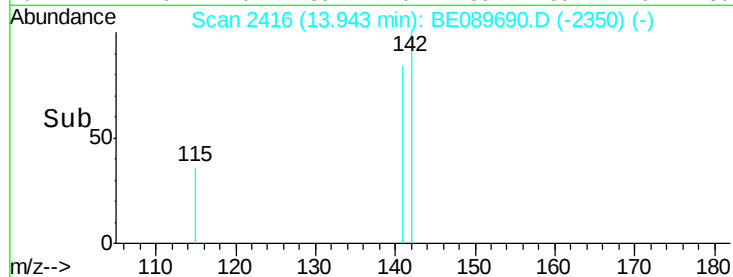
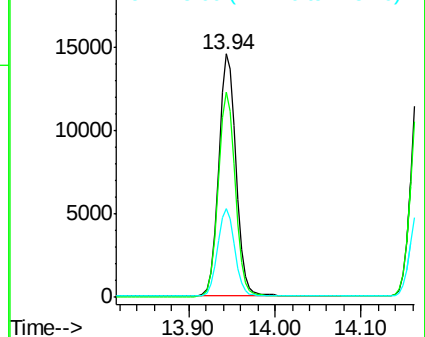
115 36.4 27.4 41.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.41 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

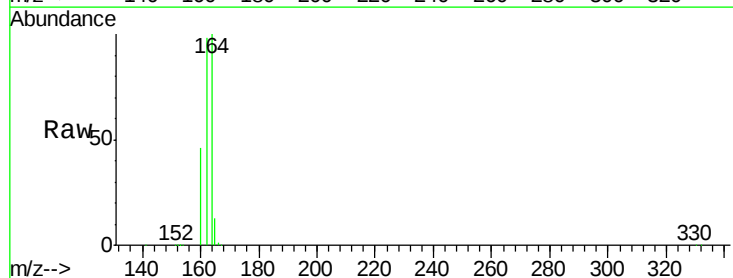
Tgt Ion:164 Resp: 87218

Ion Ratio Lower Upper

164 100

162 98.1 79.4 119.2

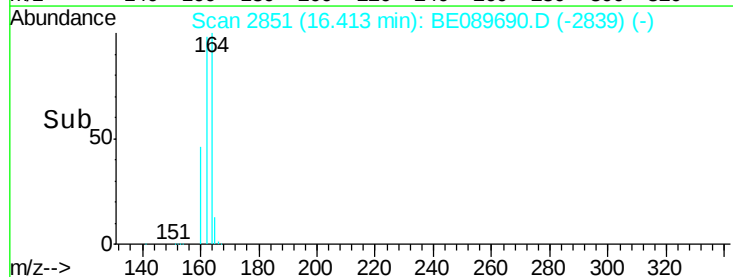
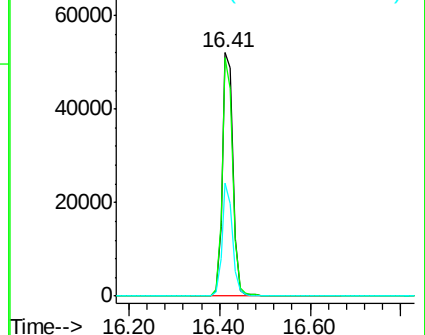
160 46.4 37.6 56.4



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: 1.38 ng

RT: 14.87 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

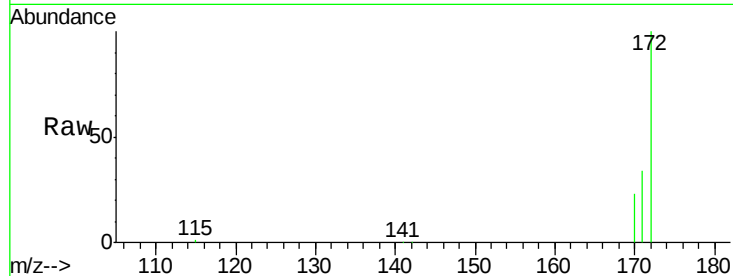
Tgt Ion:172 Resp: 27167

Ion Ratio Lower Upper

172 100

171 34.0 27.3 40.9

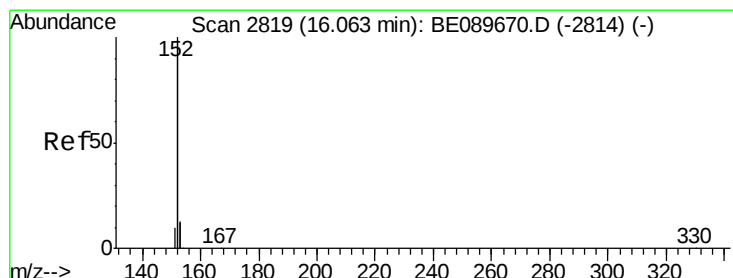
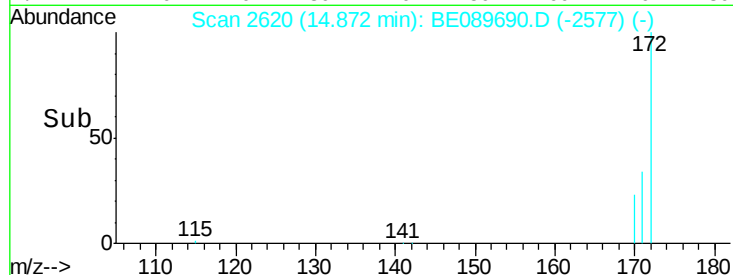
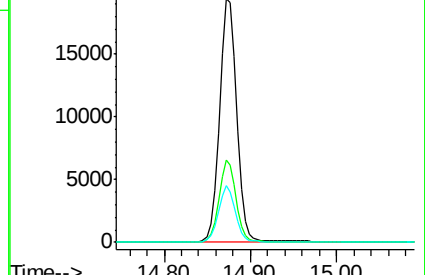
170 23.2 18.5 27.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 0.87 ng

RT: 16.06 min Scan# 2819

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

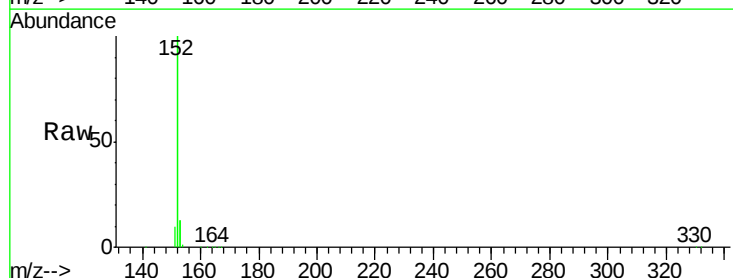
Tgt Ion:152 Resp: 109503

Ion Ratio Lower Upper

152 100

151 4.8 3.8 5.6

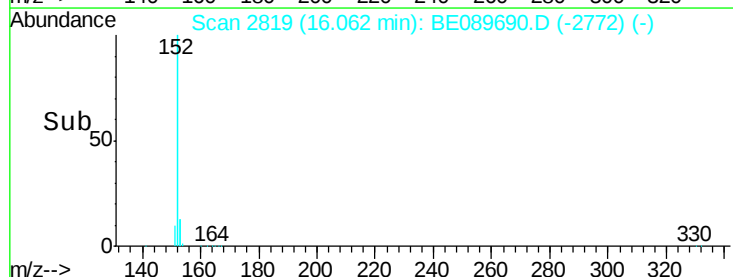
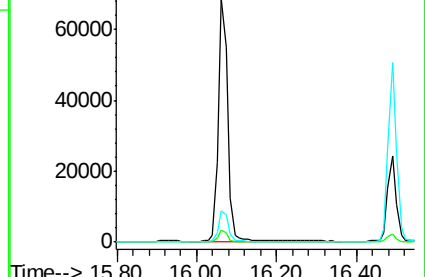
153 13.0 10.4 15.6

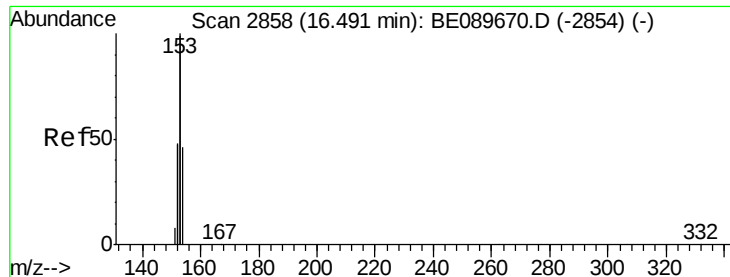


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 0.87 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

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SSTDCCC001

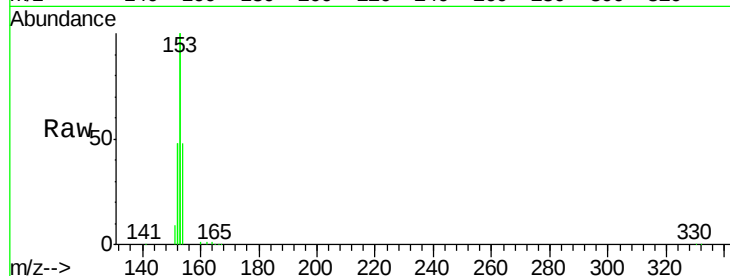
Tgt Ion:154 Resp: 17323

Ion Ratio Lower Upper

154 100

153 421.5 345.8 518.8

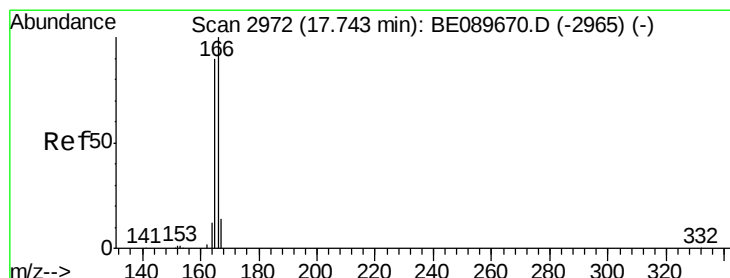
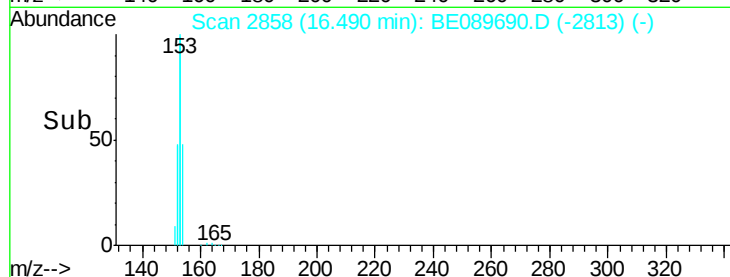
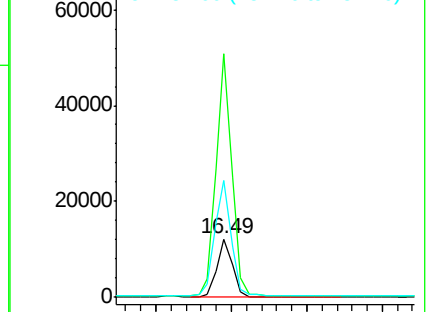
152 207.9 168.6 252.8



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: 0.81 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

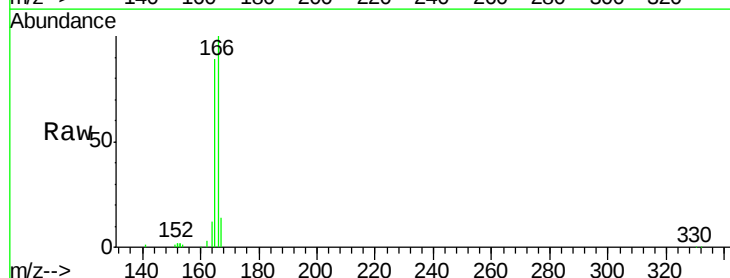
Tgt Ion:166 Resp: 17776

Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

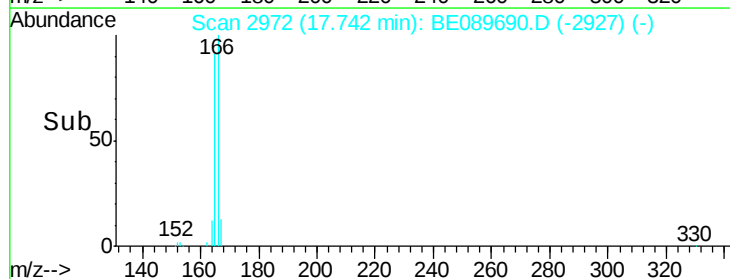
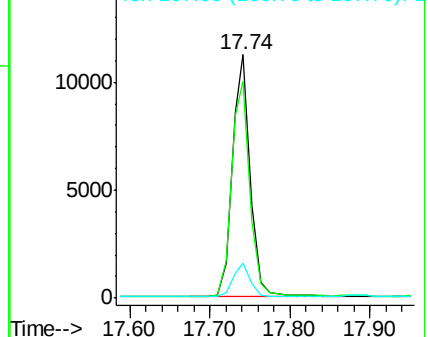
167 13.6 10.6 16.0

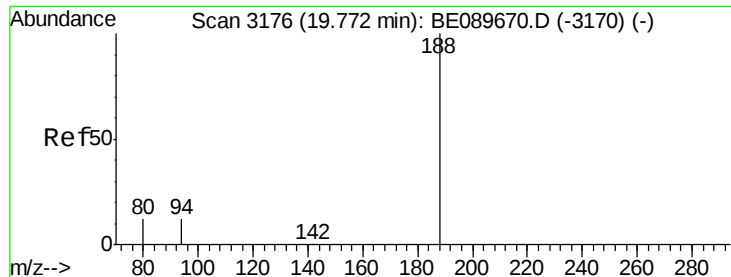


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

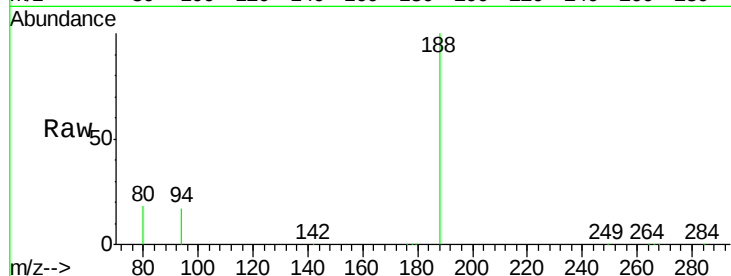




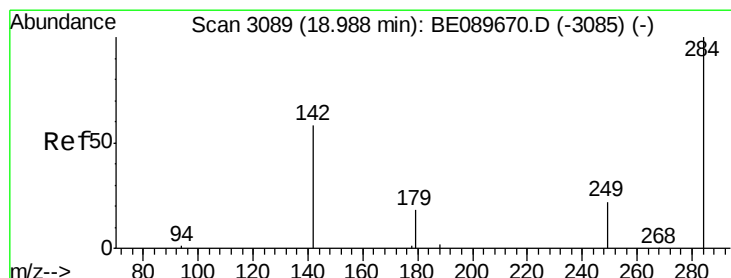
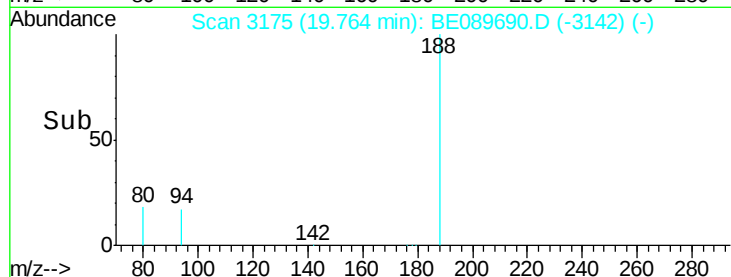
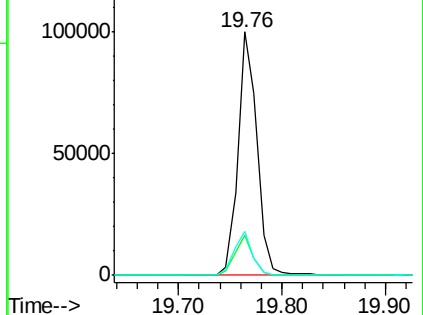
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE089690.D
Acq: 25 Feb 2015 21:29

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion:188 Resp: 127244
Ion Ratio Lower Upper
188 100
94 16.7 9.4 14.2#
80 17.8 9.5 14.3#

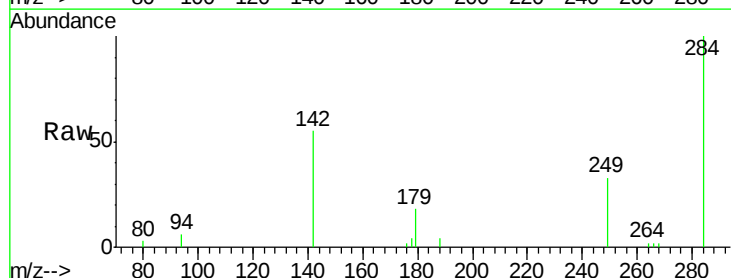


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

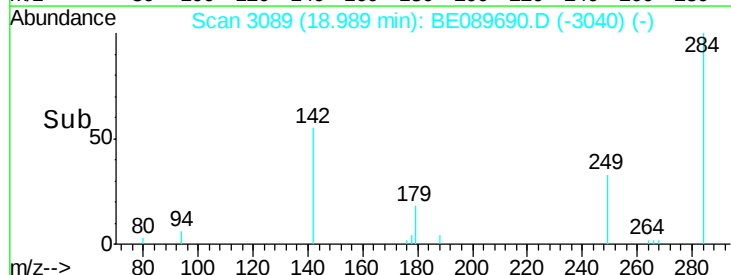
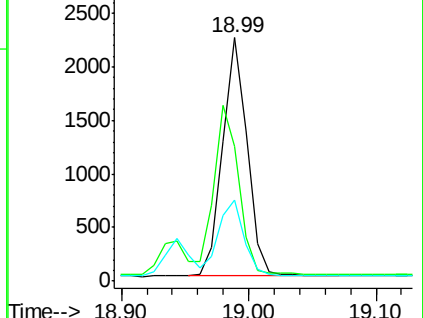


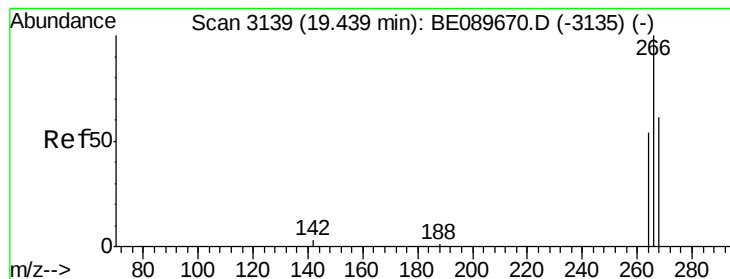
#14
Hexachlorobenzene
Concen: 0.90 ng
RT: 18.99 min Scan# 3089
Delta R.T. 0.00 min
Lab File: BE089690.D
Acq: 25 Feb 2015 21:29

Tgt Ion:284 Resp: 2975
Ion Ratio Lower Upper
284 100
142 72.9 55.4 83.2
249 32.9 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: 1.32 ng

RT: 19.43 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

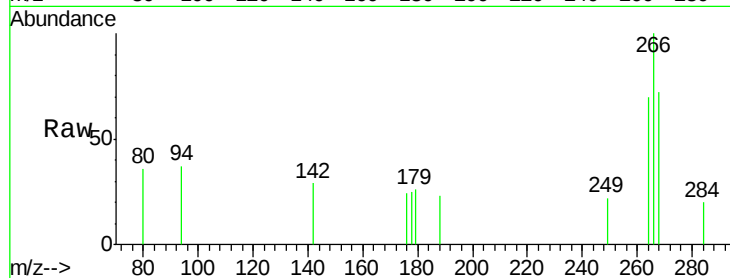
Tgt Ion:266 Resp: 425

Ion Ratio Lower Upper

266 100

268 71.7 56.3 84.5

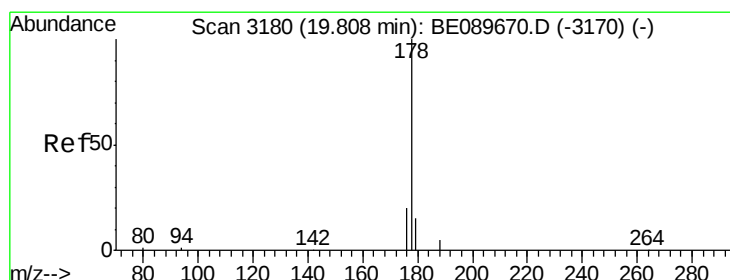
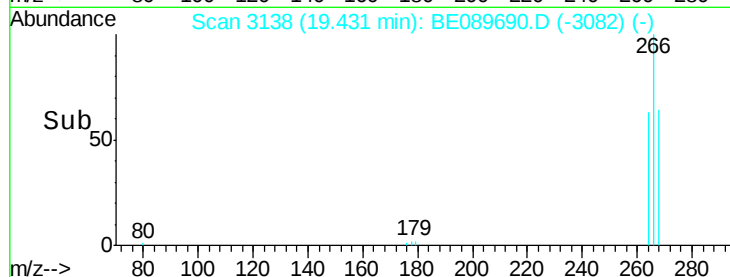
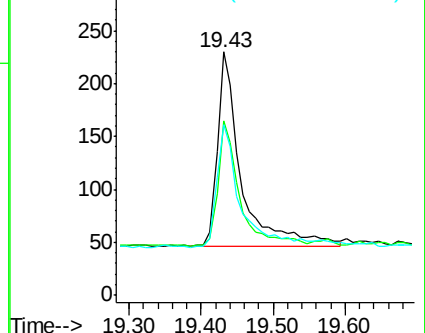
264 70.0 51.8 77.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#16

Phenanthrene

Concen: 0.88 ng

RT: 19.81 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

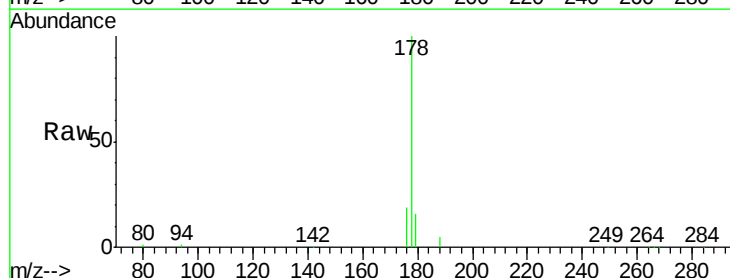
Tgt Ion:178 Resp: 23929

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

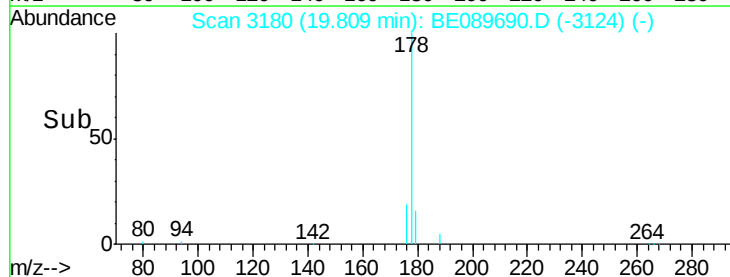
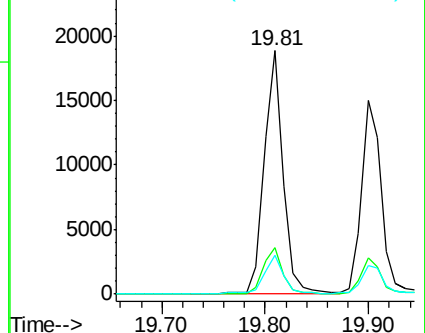
179 15.7 12.5 18.7

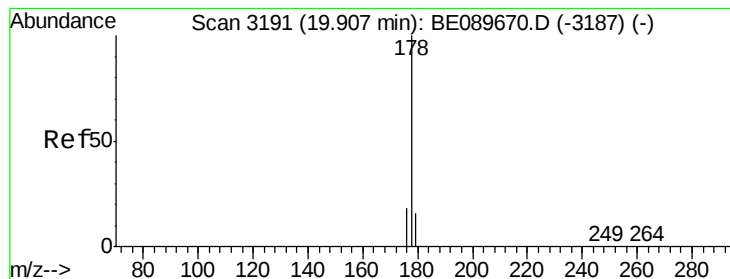


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Anthracene

Concen: 0.86 ng

RT: 19.90 min Scan# 3190

Delta R.T. -0.01 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

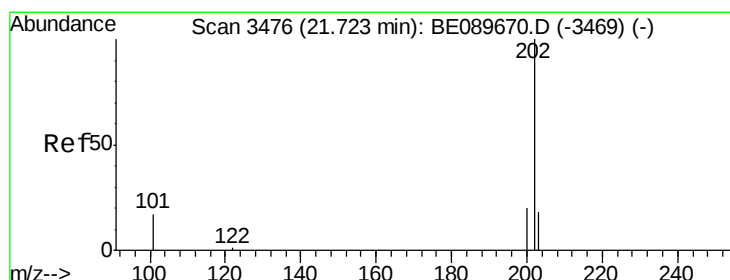
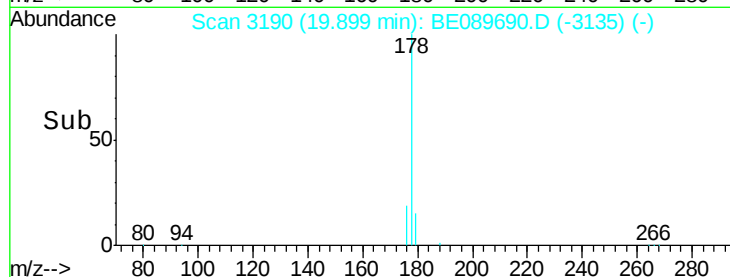
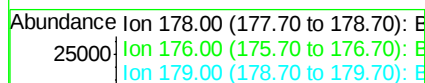
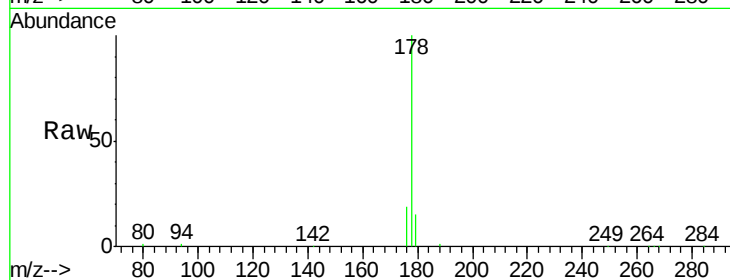
Tgt Ion:178 Resp: 19893

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

179 15.5 12.2 18.2



#18

Fluoranthene

Concen: 0.78 ng

RT: 21.72 min Scan# 3474

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

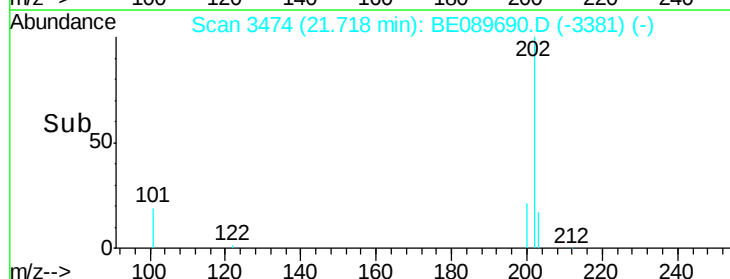
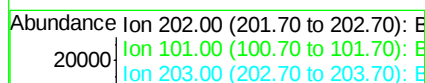
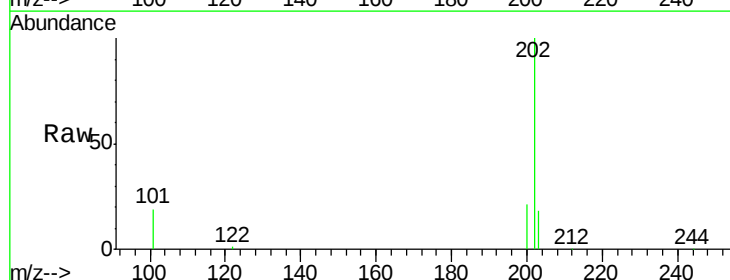
Tgt Ion:202 Resp: 17662

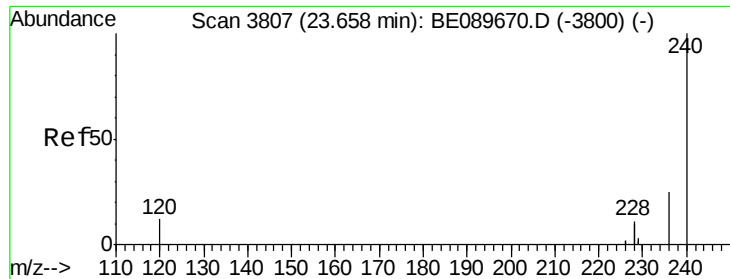
Ion Ratio Lower Upper

202 100

101 18.1 14.9 22.3

203 17.4 13.8 20.6





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.65 min Scan# 3805

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

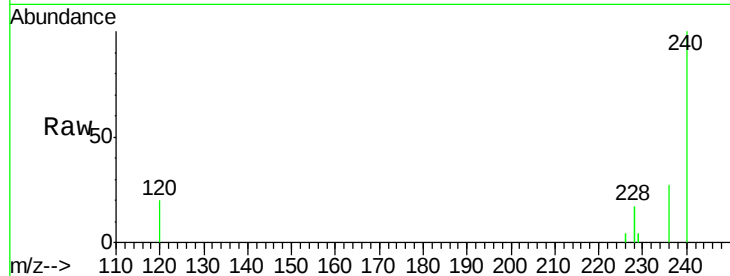
Tgt Ion:240 Resp: 80635

Ion Ratio Lower Upper

240 100

120 20.1 9.4 14.0#

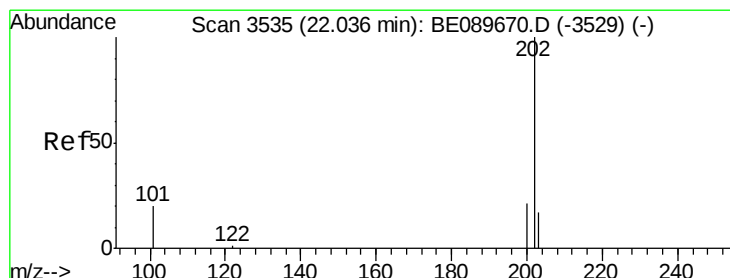
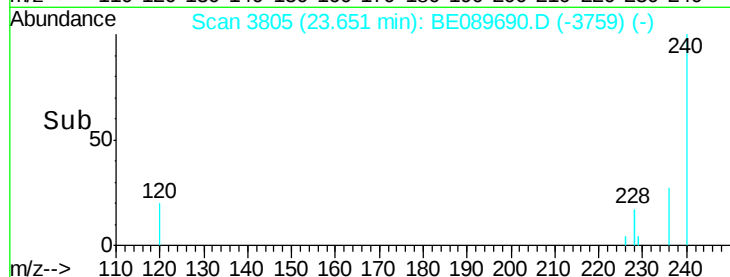
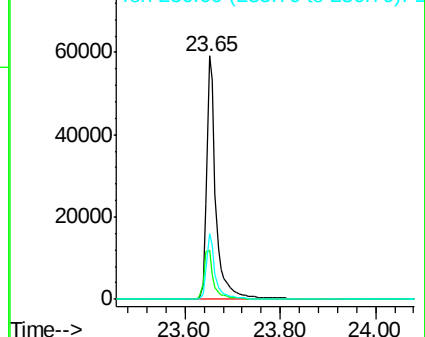
236 27.1 19.9 29.9



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: 0.96 ng

RT: 22.04 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

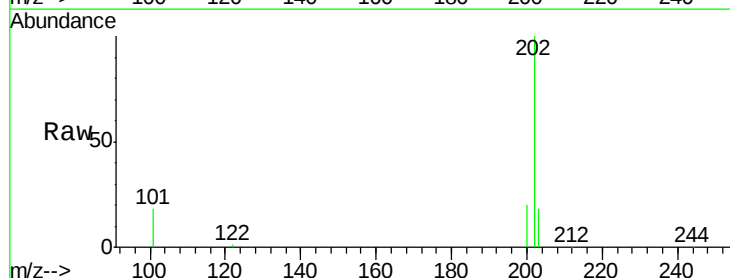
Tgt Ion:202 Resp: 18639

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

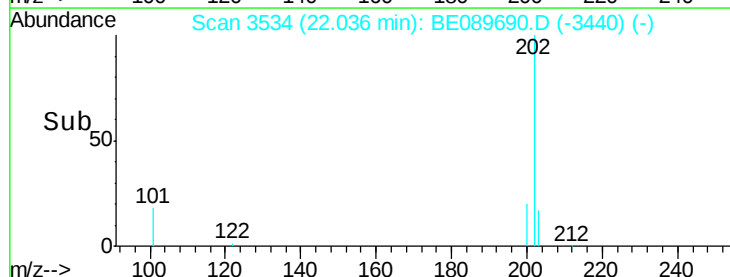
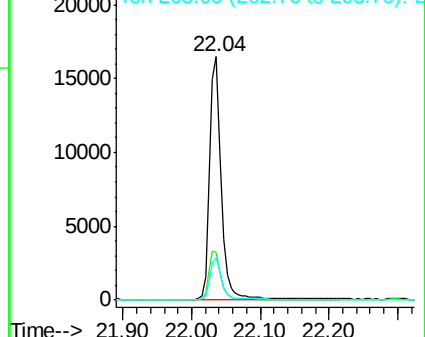
203 17.4 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 1.51 ng

RT: 22.30 min Scan# 3583

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

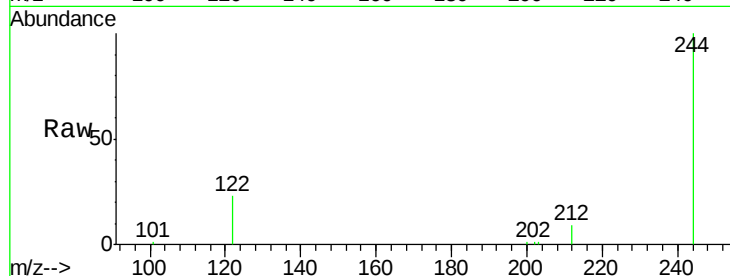
Tgt Ion:244 Resp: 14285

Ion Ratio Lower Upper

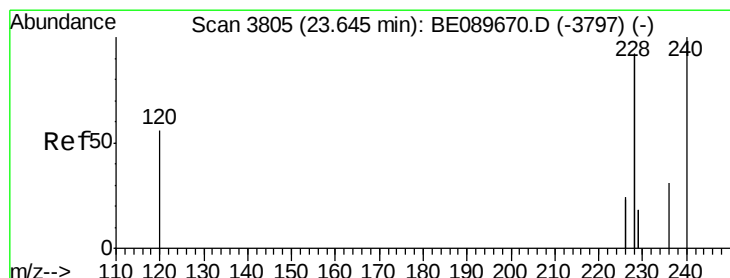
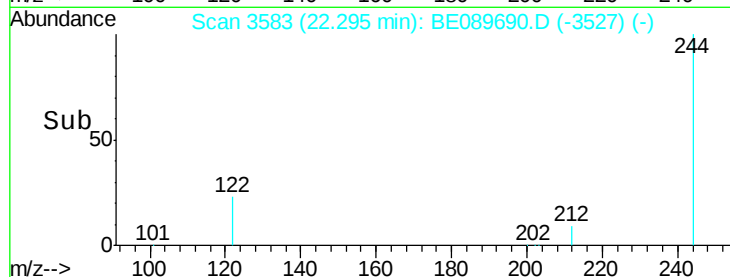
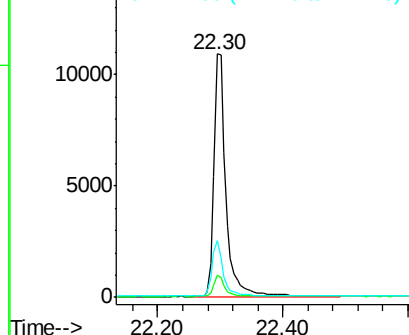
244 100

212 8.9 7.0 10.6

122 23.4 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: 0.86 ng

RT: 23.64 min Scan# 3804

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

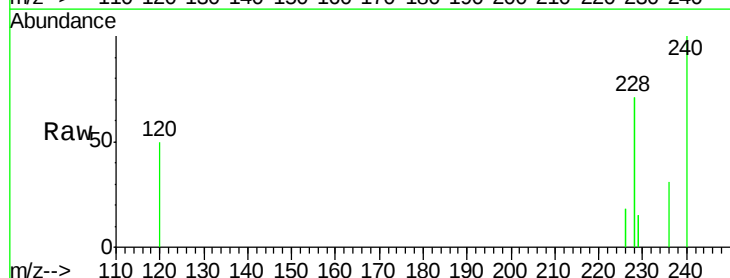
Tgt Ion:228 Resp: 45598

Ion Ratio Lower Upper

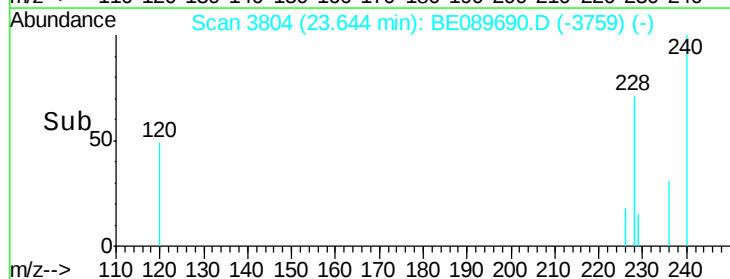
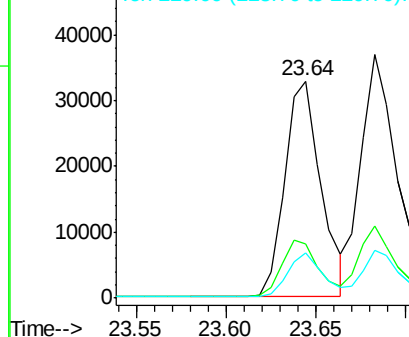
228 100

226 25.2 20.6 31.0

229 20.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.88 ng

RT: 23.68 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

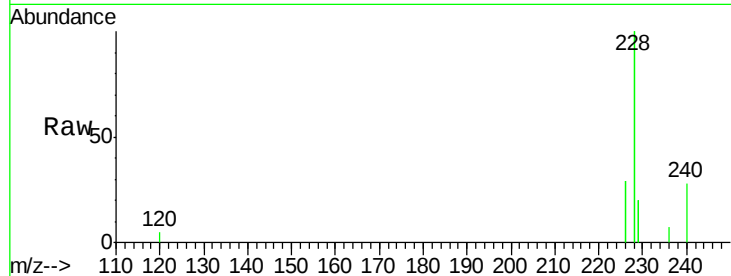
Tgt Ion:228 Resp: 64546

Ion Ratio Lower Upper

228 100

226 29.4 23.6 35.4

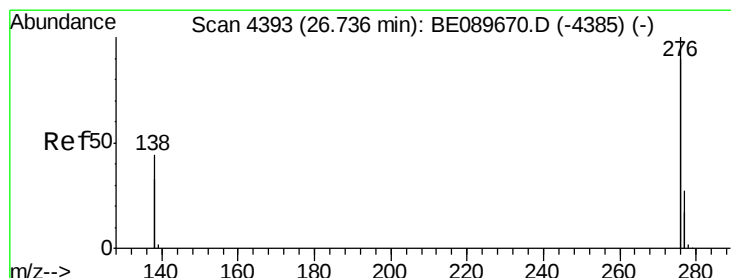
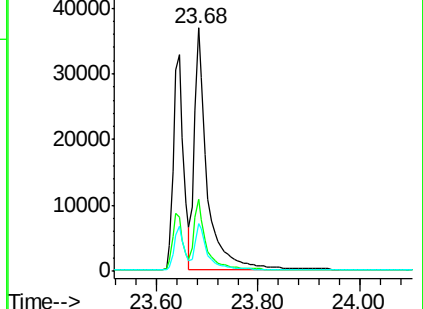
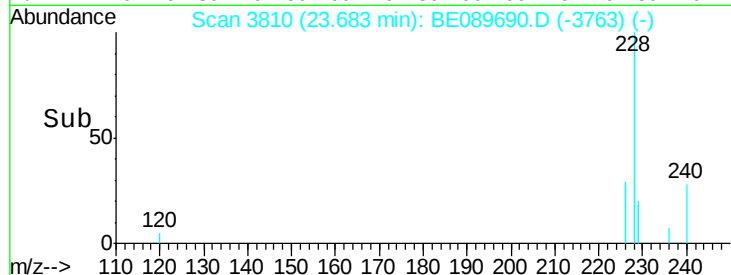
229 19.5 15.3 22.9



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: 1.38 ng

RT: 26.73 min Scan# 4392

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

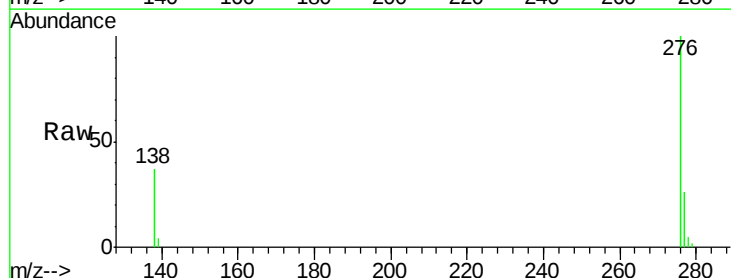
Tgt Ion:276 Resp: 32397

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

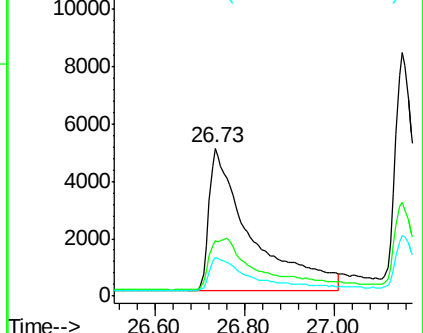
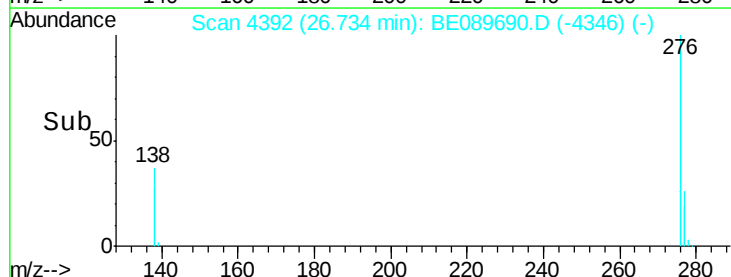
277 24.9 5.2 7.8#

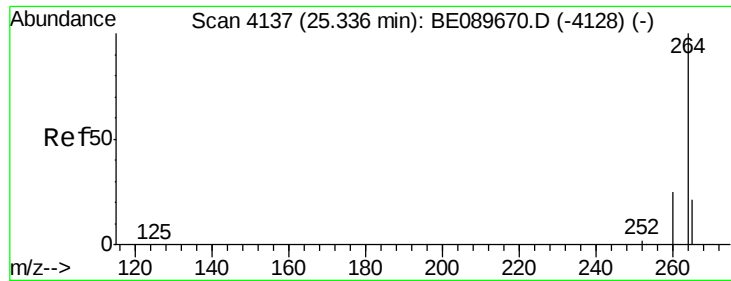


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Perylene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4137

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

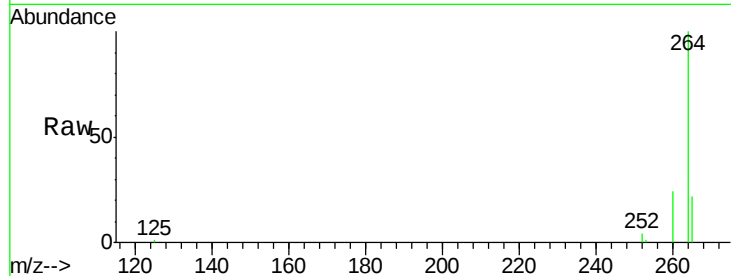
Tgt Ion:264 Resp: 67771

Ion Ratio Lower Upper

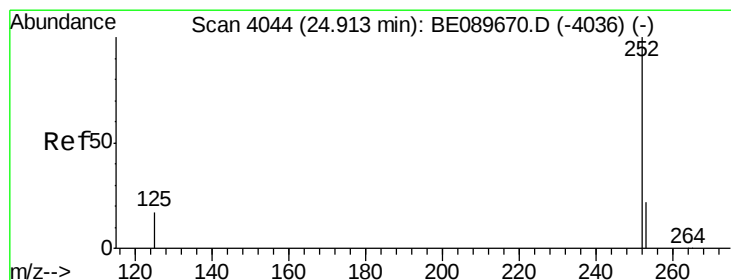
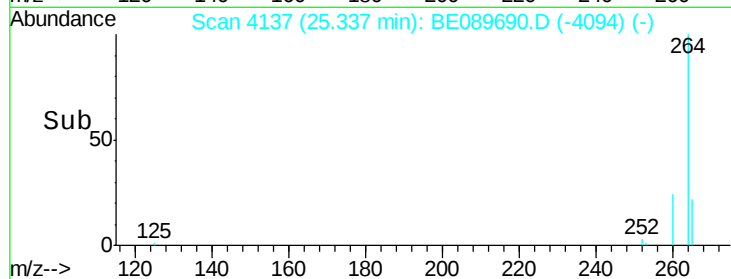
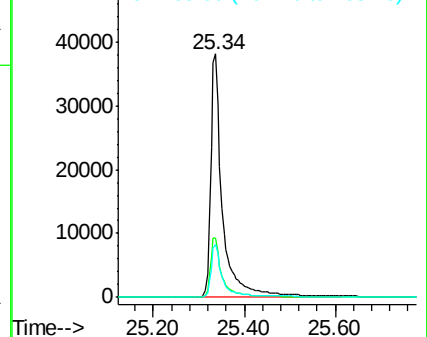
264 100

260 24.1 20.2 30.4

265 22.0 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#26

Benzo(b)fluoranthene

Concen: 1.16 ng

RT: 24.91 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

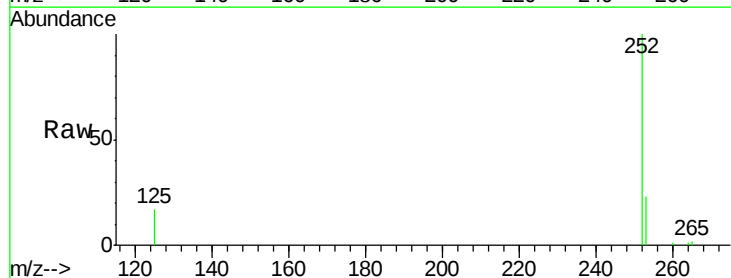
Tgt Ion:252 Resp: 5086

Ion Ratio Lower Upper

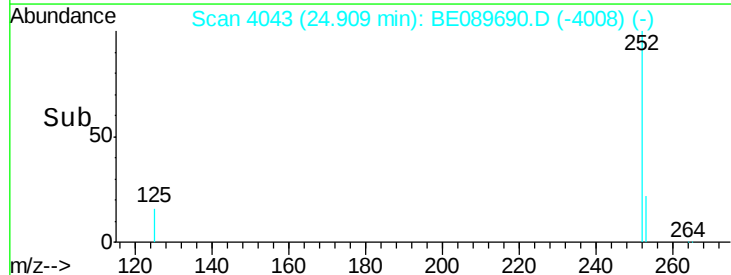
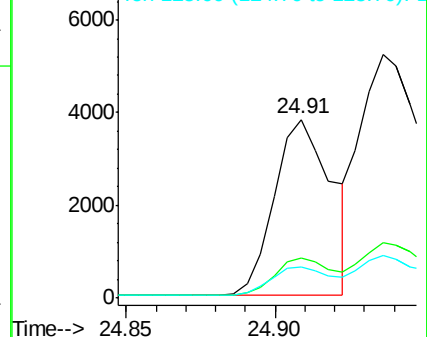
252 100

253 22.7 18.6 27.8

125 17.3 15.0 22.6



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





#27

Benzo(k)fluoranthene

Concen: 0.87 ng

RT: 24.94 min Scan# 4049

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

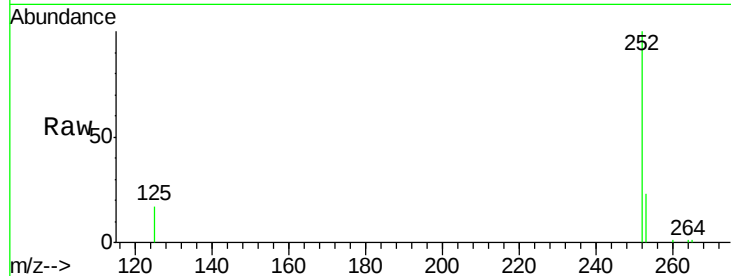
Tgt Ion:252 Resp: 13652

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

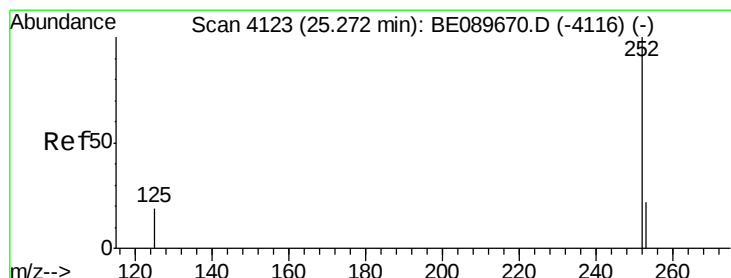
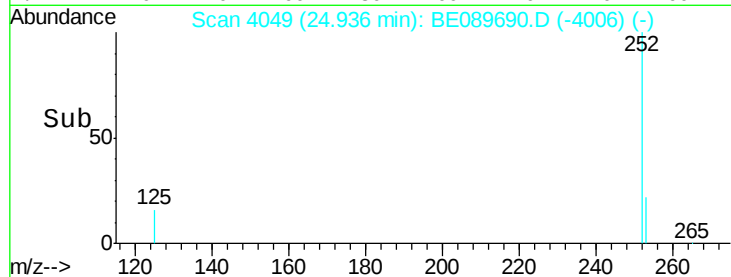
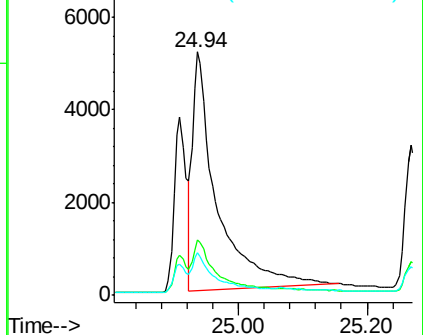
125 17.3 14.3 21.5



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: 1.12 ng

RT: 25.27 min Scan# 4122

Delta R.T. 0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

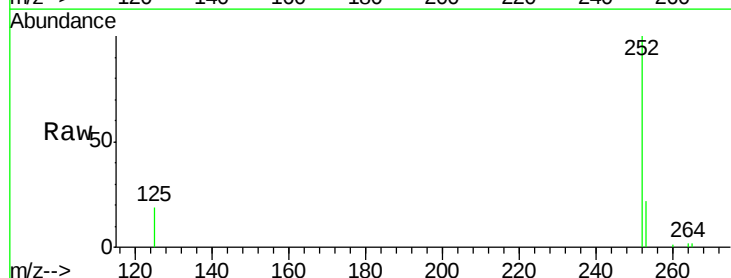
Tgt Ion:252 Resp: 6092

Ion Ratio Lower Upper

252 100

253 22.4 18.8 28.2

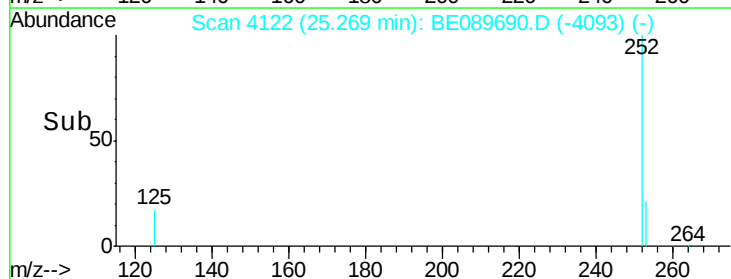
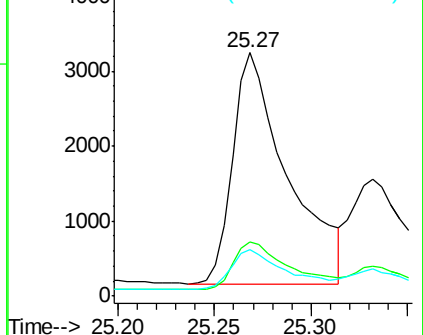
125 19.2 16.6 24.8



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: 1.25 ng

RT: 26.77 min Scan# 4397

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

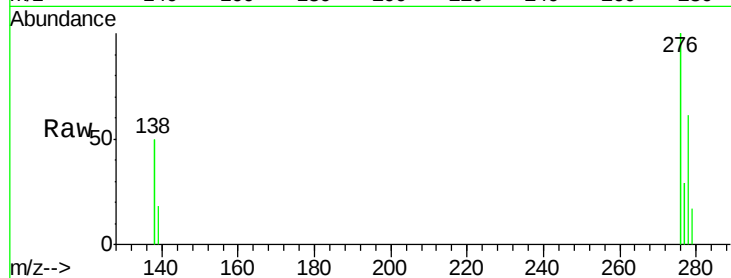
Tgt Ion: 278 Resp: 5461

Ion Ratio Lower Upper

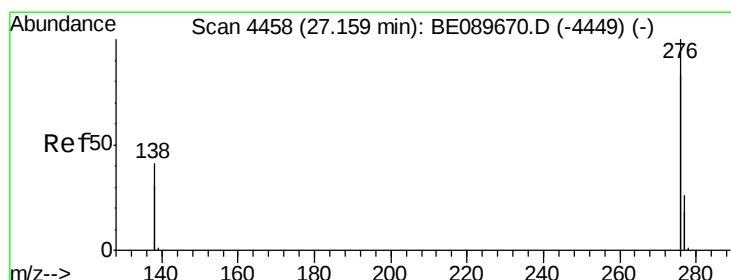
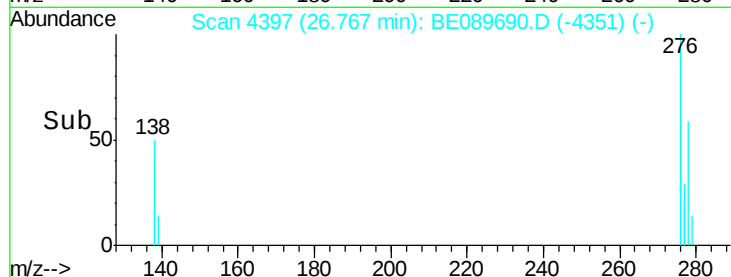
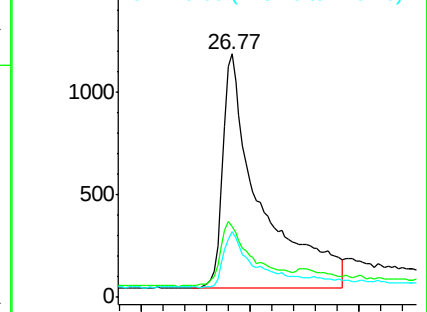
278 100

139 28.9 30.4 45.6#

279 27.2 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



#30

Benzo(g,h,i)perylene

Concen: 1.15 ng

RT: 27.15 min Scan# 4456

Delta R.T. -0.00 min

Lab File: BE089690.D

Acq: 25 Feb 2015 21:29

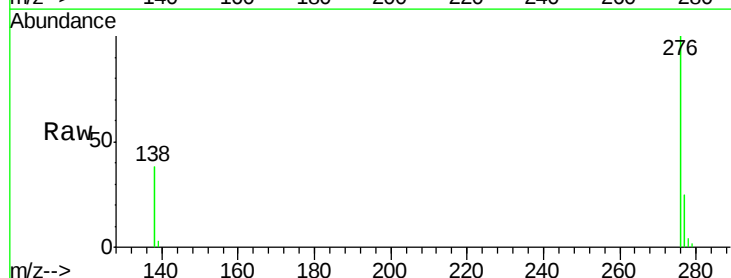
Tgt Ion: 276 Resp: 34742

Ion Ratio Lower Upper

276 100

277 24.7 21.0 31.6

138 38.5 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

