

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089567.D
 Acq On : 7 Feb 2015 20:27
 Operator : TP/IZ
 Sample : MDL-05-W
 Misc : MDL-SOIL-0.1/0.2
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 09 00:21:18 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	53018	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	206657	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	98637	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	170325	5.00	ng	0.00
16) Chrysene-d12	23.72	240	175767	5.00	ng	0.00
22) Perylene-d12	25.41	264	163308	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	115849	8.44	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	192113	7.30	ng	0.00
18) Terphenyl-d14	22.36	244	217249	9.37	ng	0.00

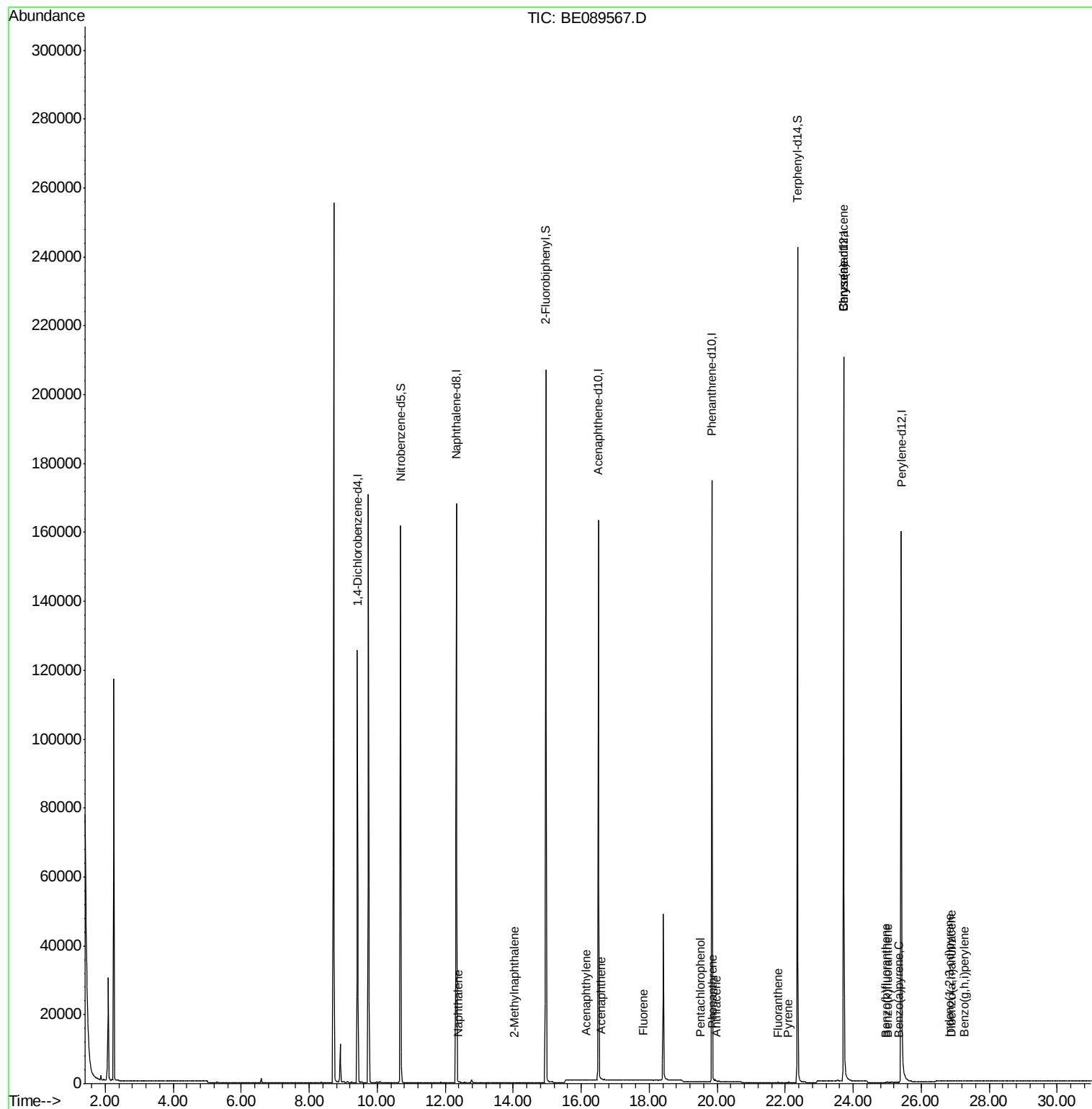
Target Compounds						Qvalue
4) Naphthalene	12.37	128	171	0.00	ng	# 40
5) 2-Methylnaphthalene	14.03	142	29	0.00	ng	# 60
8) Acenaphthylene	16.16	152	198	0.00	ng	# 78
9) Acenaphthene	16.58	154	36	0.00	ng	# 1
10) Fluorene	17.83	166	55	0.00	ng	# 75
12) Pentachlorophenol	19.51	266	17	0.54	ng	# 83
13) Phenanthrene	19.88	178	91	0.00	ng	# 76
14) Anthracene	19.98	178	46	0.00	ng	# 49
15) Fluoranthene	21.79	202	74	0.00	ng	# 72
17) Pyrene	22.10	202	83	0.00	ng	# 76
19) Benzo(a)anthracene	23.72	228	1844	0.01	ng	# 76
20) Chrysene	23.72	228	1844	0.01	ng	# 74
21) Indeno(1,2,3-cd)pyrene	26.84	276	86	0.00	ng	# 61
23) Benzo(b)fluoranthene	24.97	252	33	0.00	ng	# 1
24) Benzo(k)fluoranthene	25.00	252	44	0.00	ng	# 1
25) Benzo(a)pyrene	25.35	252	29	0.00	ng	# 1
26) Dibenzo(a,h)anthracene	26.87	278	16	0.00	ng	# 1
27) Benzo(g,h,i)perylene	27.27	276	131	0.00	ng	# 1

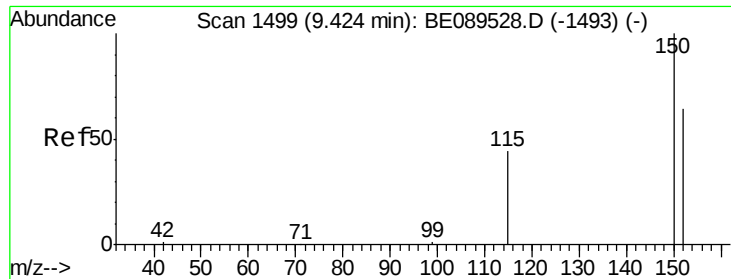
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

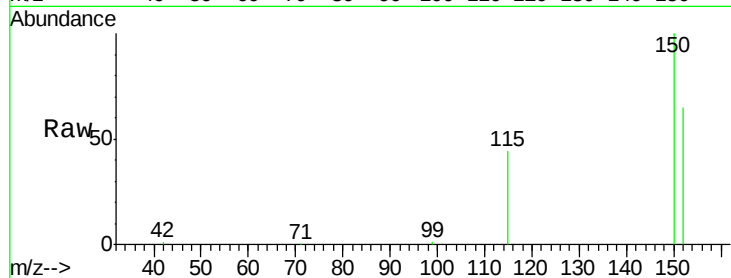
Tgt Ion:152 Resp: 53018

Ion Ratio Lower Upper

152 100

150 153.4 125.7 188.5

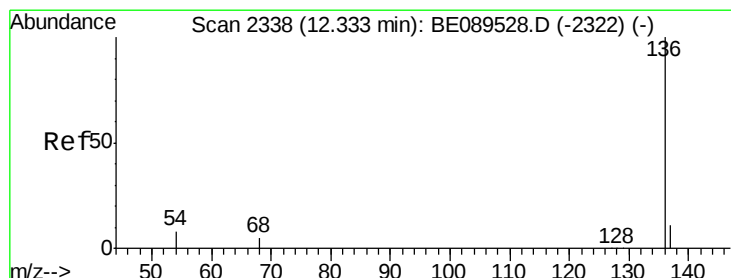
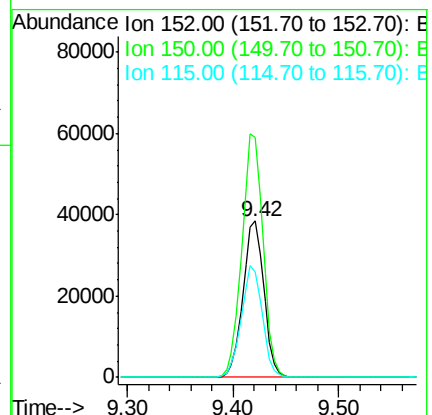
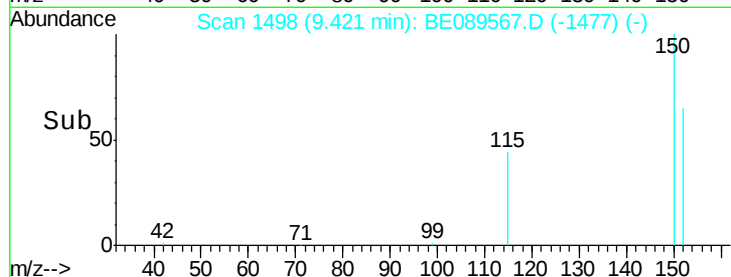
115 67.2 55.6 83.4



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

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2338

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

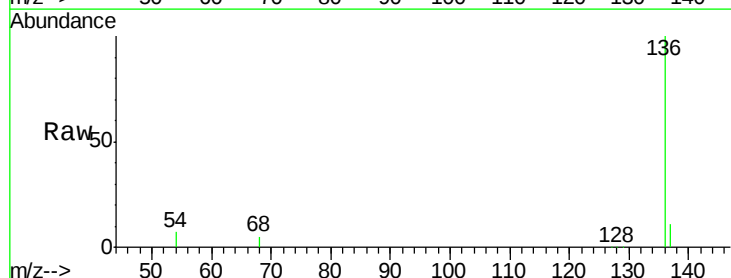
Tgt Ion:136 Resp: 206657

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

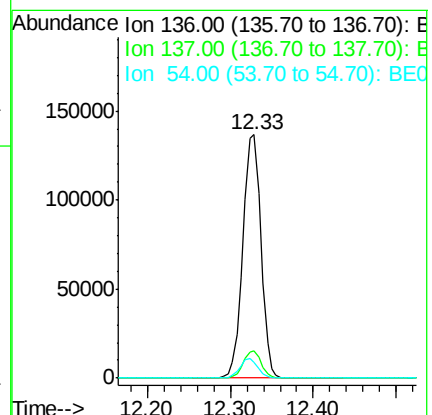
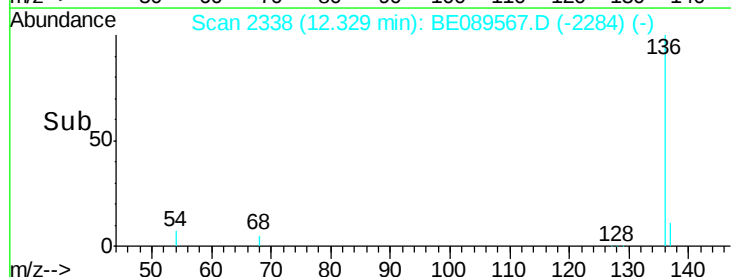
54 6.7 6.1 9.1

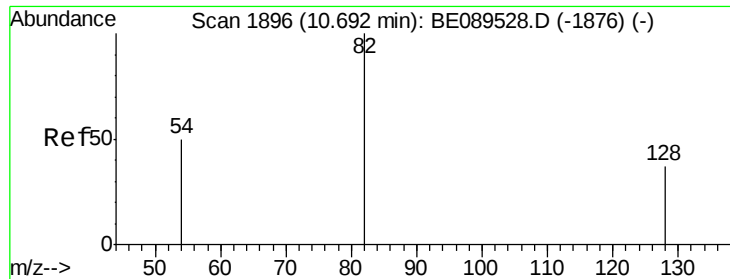


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 8.44 ng

RT: 10.69 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

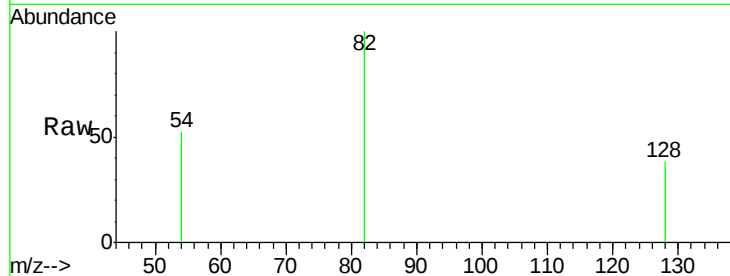
Tgt Ion: 82 Resp: 115849

Ion Ratio Lower Upper

82 100

128 38.4 30.2 45.4

54 51.5 40.6 60.8

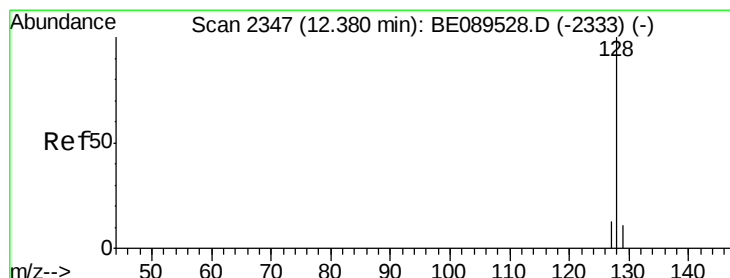
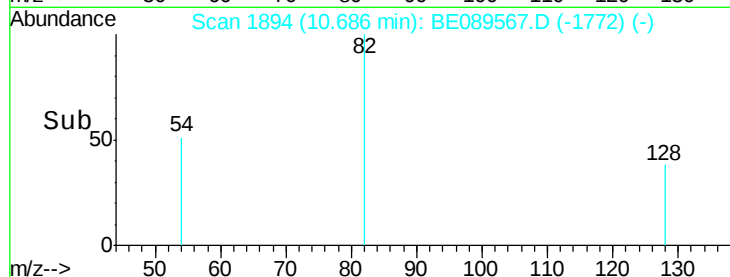


Abundance Ion 82.00 (81.70 to 82.70): BE089567.D (-1772) (-)

Ion 128.00 (127.70 to 128.70): BE089567.D (-1772) (-)

Ion 54.00 (53.70 to 54.70): BE089567.D (-1772) (-)

Time-->



#4

Naphthalene

Concen: 0.00 ng

RT: 12.37 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

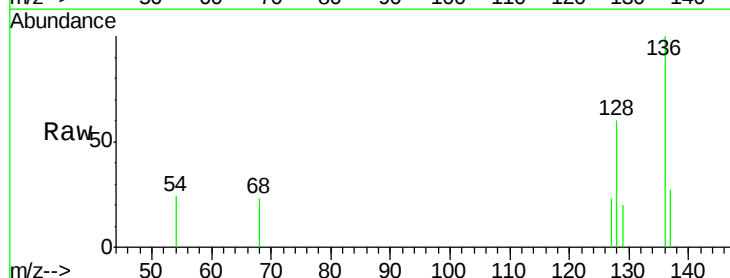
Tgt Ion: 128 Resp: 171

Ion Ratio Lower Upper

128 100

129 33.9 9.1 13.7#

127 37.6 10.5 15.7#

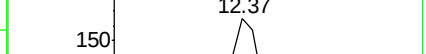
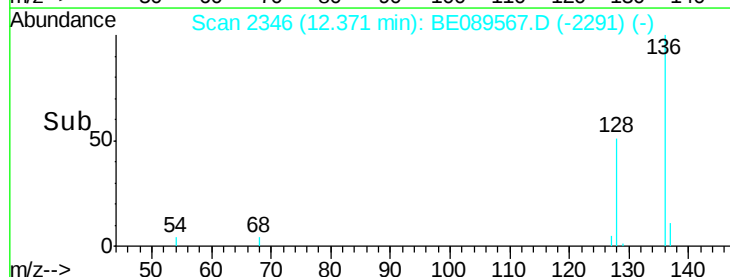


Abundance Ion 128.00 (127.70 to 128.70): BE089567.D (-2291) (-)

Ion 129.00 (128.70 to 129.70): BE089567.D (-2291) (-)

Ion 127.00 (126.70 to 127.70): BE089567.D (-2291) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.00 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

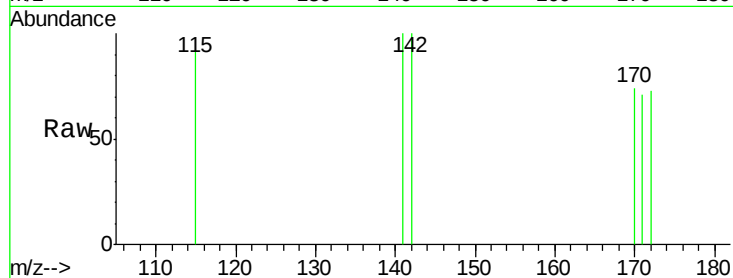
Tgt Ion:142 Resp: 29

Ion Ratio Lower Upper

142 100

141 100.0 67.0 100.6

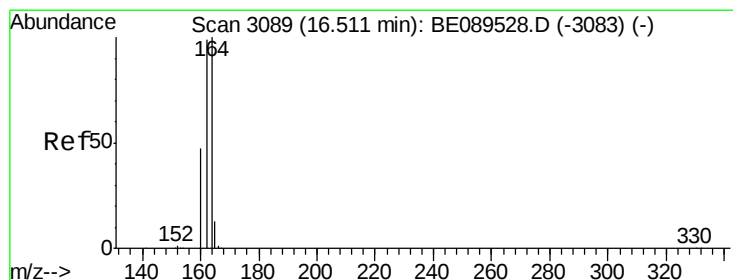
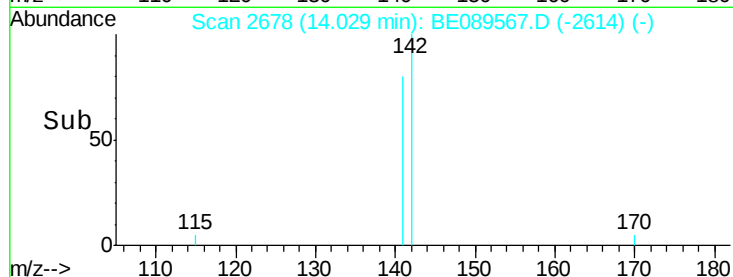
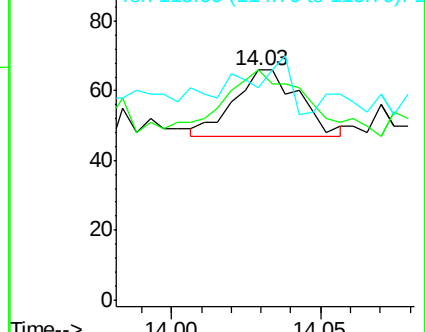
115 92.4 30.6 45.8#



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

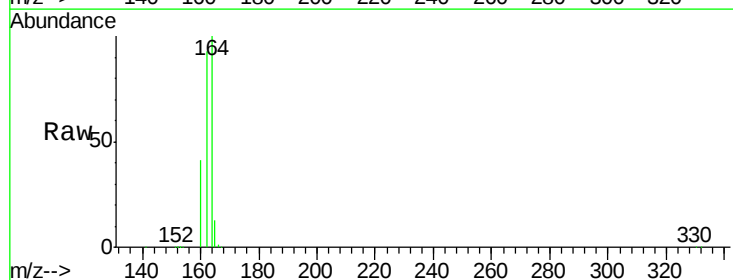
Tgt Ion:164 Resp: 98637

Ion Ratio Lower Upper

164 100

162 92.6 79.5 119.3

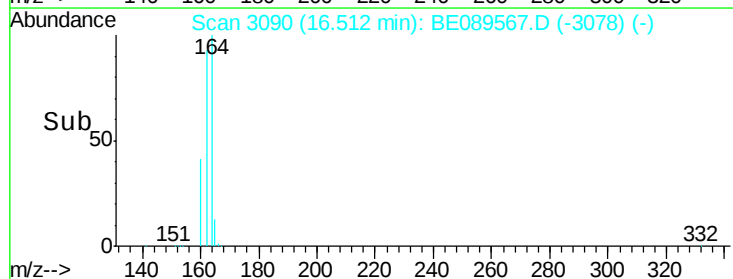
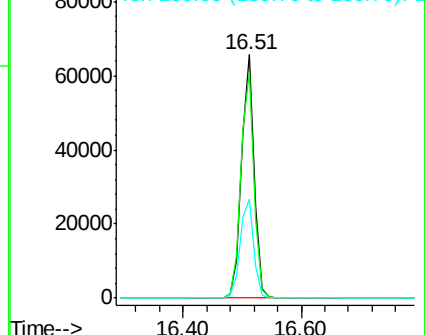
160 40.8 37.6 56.4



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





#7

2-Fluorobiphenyl

Concen: 7.30 ng

RT: 14.96 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

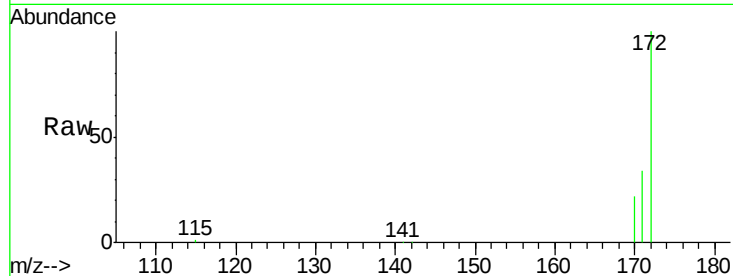
Tgt Ion:172 Resp: 192113

Ion Ratio Lower Upper

172 100

171 33.5 27.7 41.5

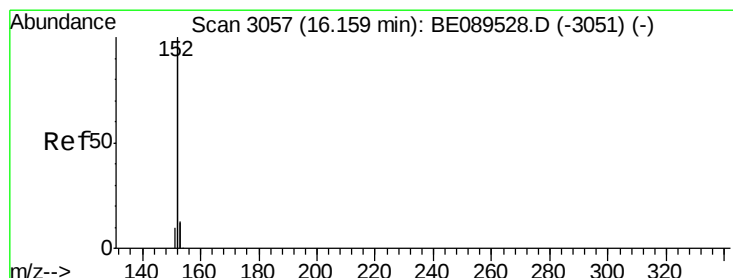
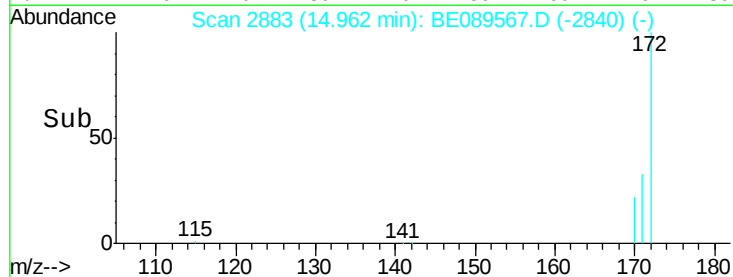
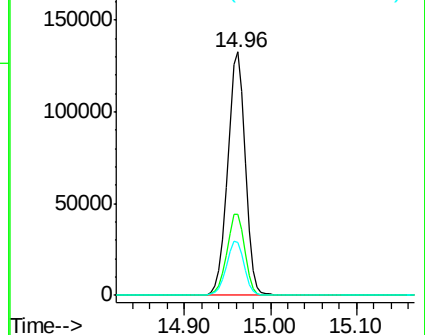
170 21.9 18.3 27.5



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



#8

Acenaphthylene

Concen: 0.00 ng

RT: 16.16 min Scan# 3058

Delta R.T. 0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

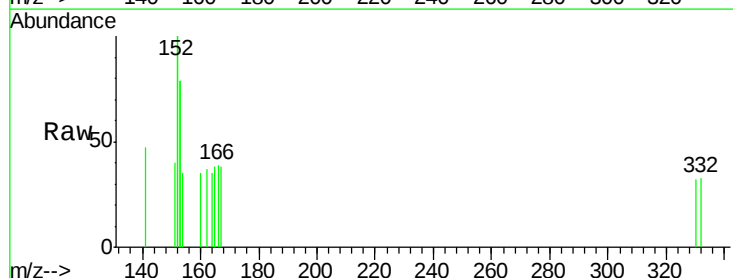
Tgt Ion:152 Resp: 198

Ion Ratio Lower Upper

152 100

151 0.0 4.0 6.0#

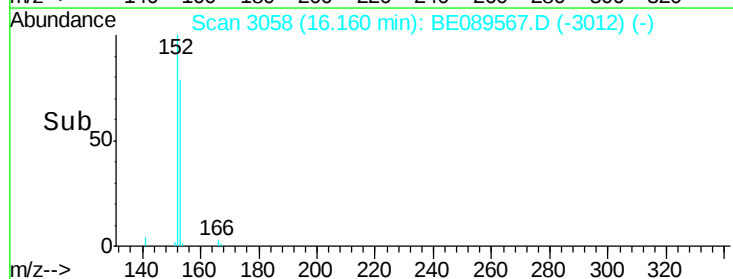
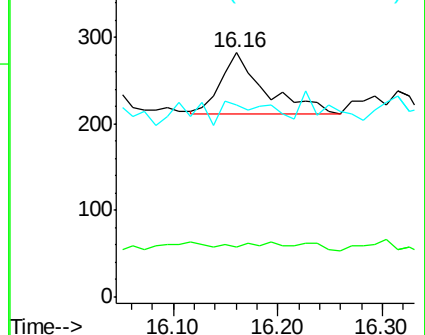
153 23.2 10.6 15.8#

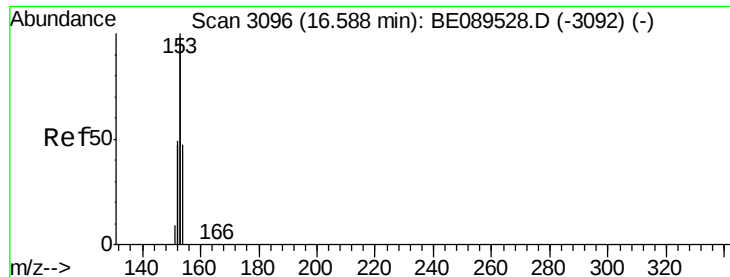


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.00 ng

RT: 16.58 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

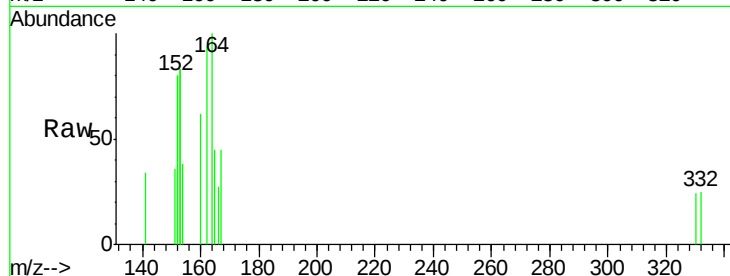
Tgt Ion:154 Resp: 36

Ion Ratio Lower Upper

154 100

153 897.2 340.8 511.2#

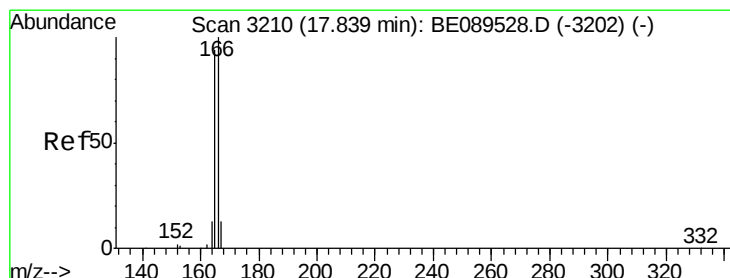
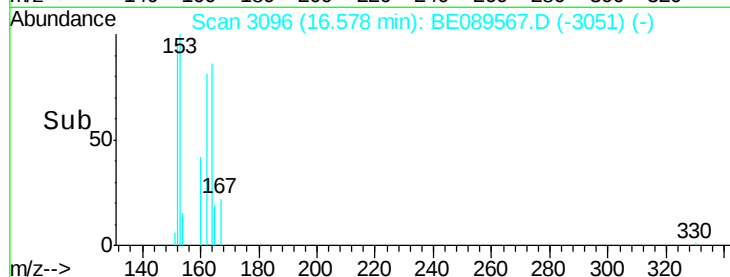
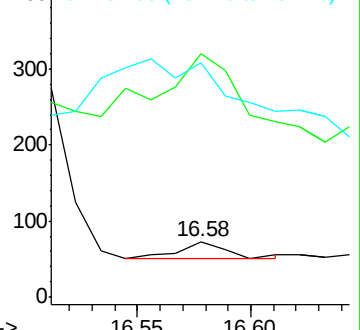
152 0.0 165.5 248.3#



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



#10

Fluorene

Concen: 0.00 ng

RT: 17.83 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

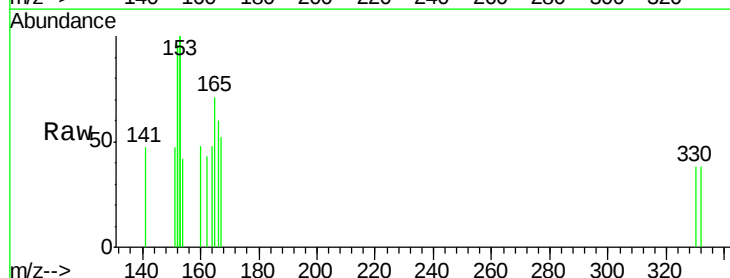
Tgt Ion:166 Resp: 55

Ion Ratio Lower Upper

166 100

165 81.8 75.5 113.3

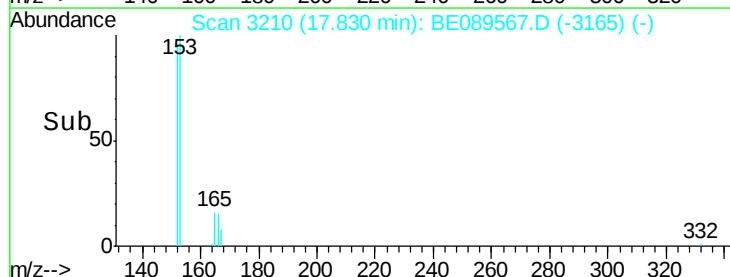
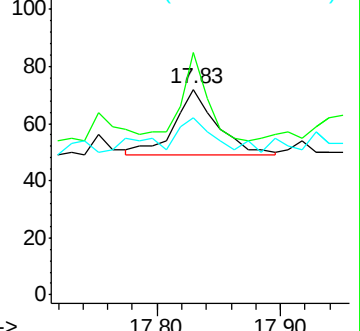
167 58.2 10.9 16.3#

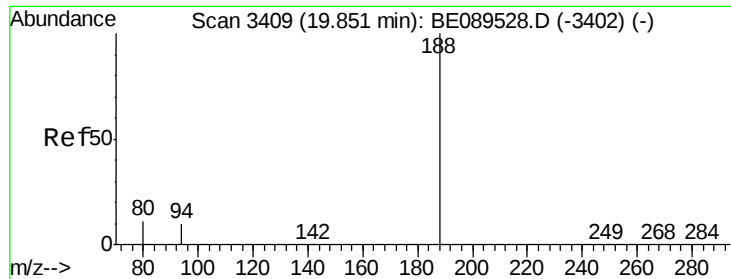


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

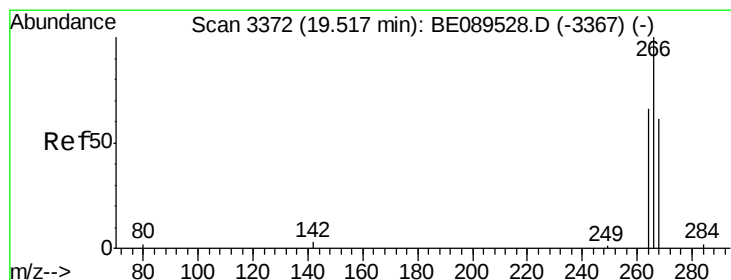
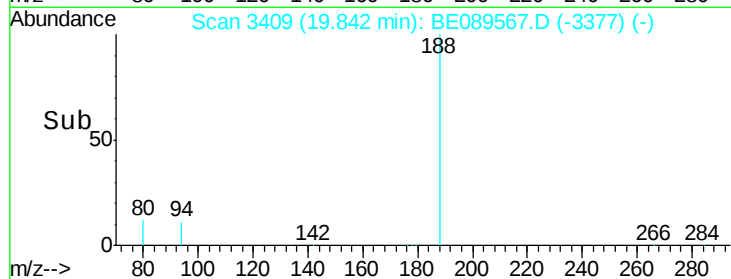
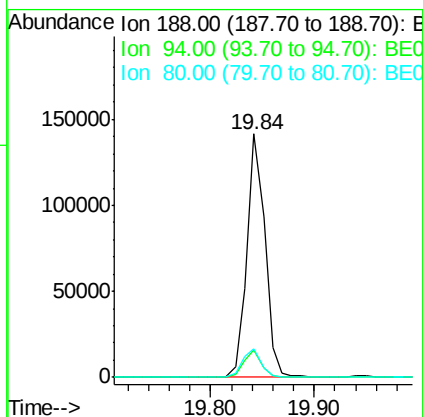
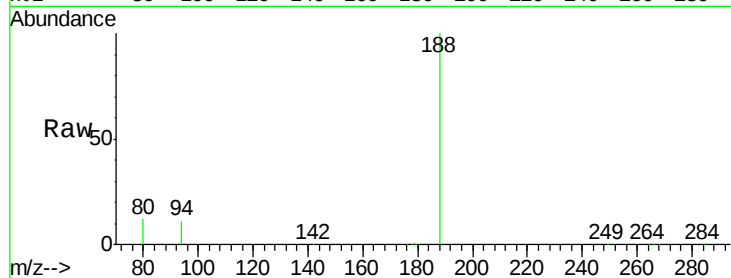




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3409
Delta R.T. -0.01 min
Lab File: BE089567.D
Acq: 7 Feb 2015 20:27

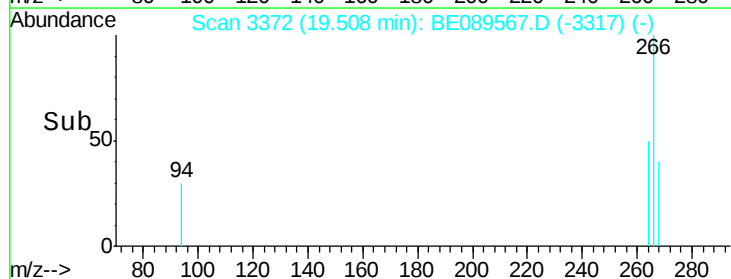
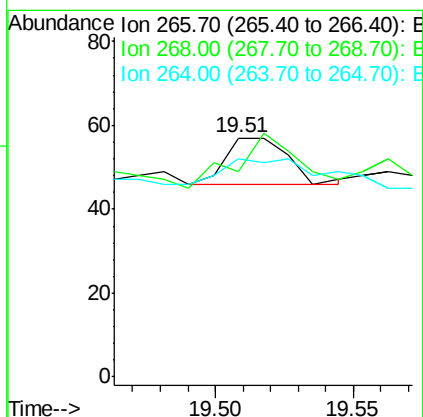
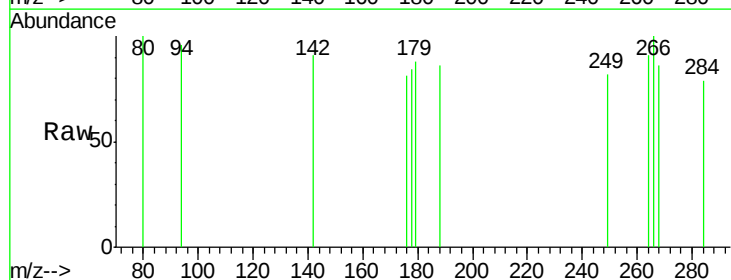
Instrument :
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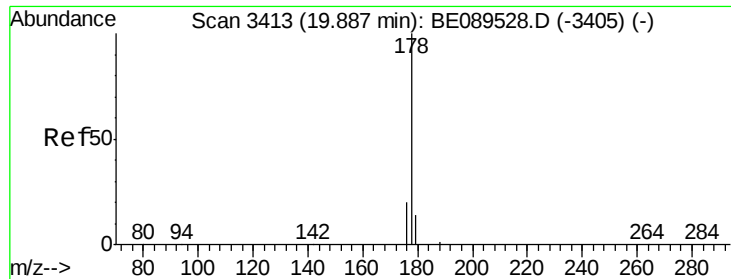
Tgt Ion:188 Resp: 170325
Ion Ratio Lower Upper
188 100
94 11.1 8.4 12.6
80 12.0 8.6 12.8



#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.51 min Scan# 3372
Delta R.T. -0.01 min
Lab File: BE089567.D
Acq: 7 Feb 2015 20:27

Tgt Ion:266 Resp: 17
Ion Ratio Lower Upper
266 100
268 86.0 57.9 86.9
264 91.2 60.2 90.4#





#13

Phenanthrene

Concen: 0.00 ng

RT: 19.88 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

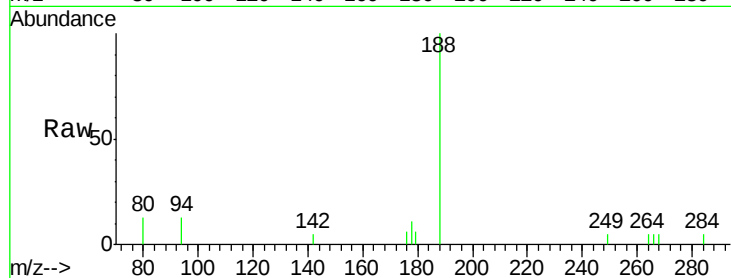
Tgt Ion:178 Resp: 91

Ion Ratio Lower Upper

178 100

176 25.3 15.4 23.0#

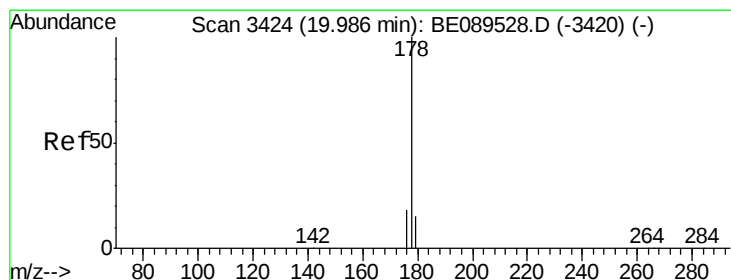
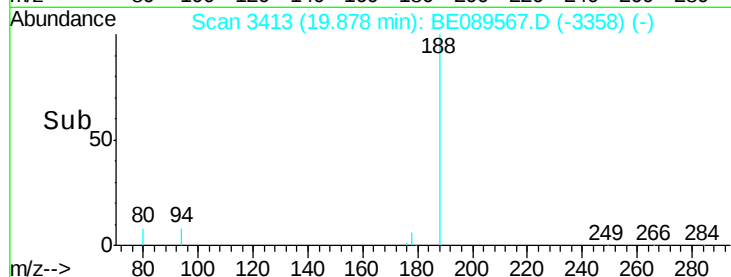
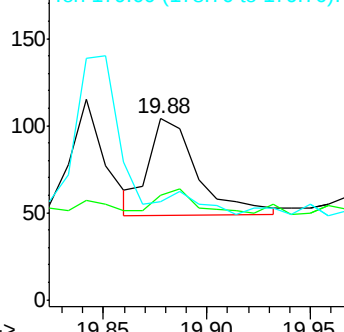
179 0.0 12.2 18.2#



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



#14

Anthracene

Concen: 0.00 ng

RT: 19.98 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

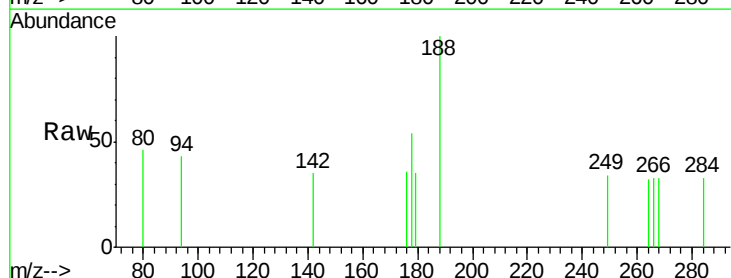
Tgt Ion:178 Resp: 46

Ion Ratio Lower Upper

178 100

176 32.6 14.5 21.7#

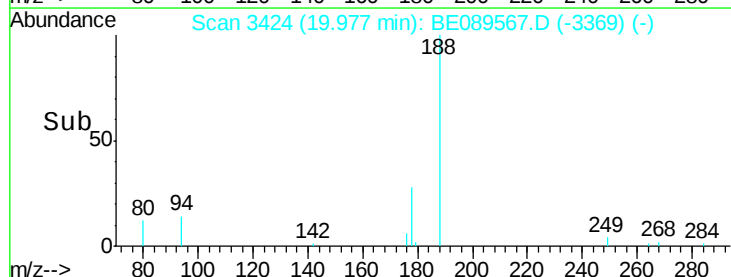
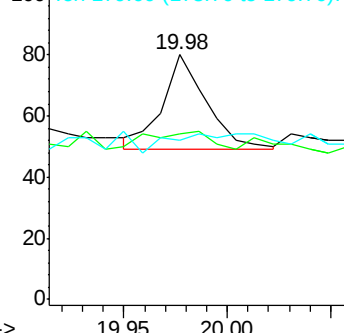
179 45.7 12.2 18.2#



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

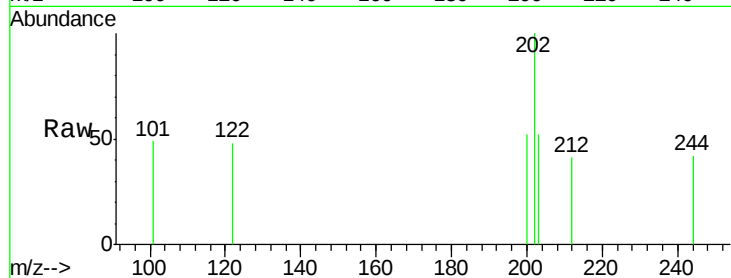




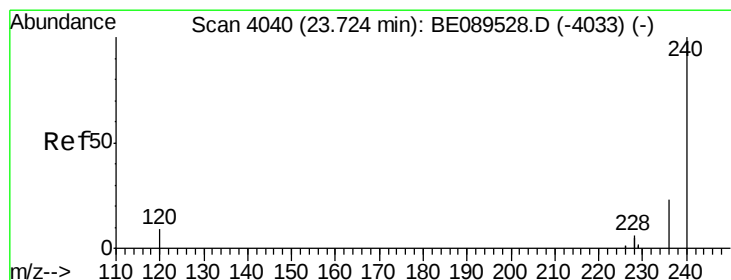
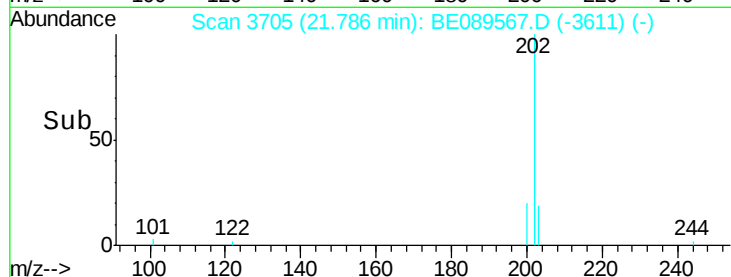
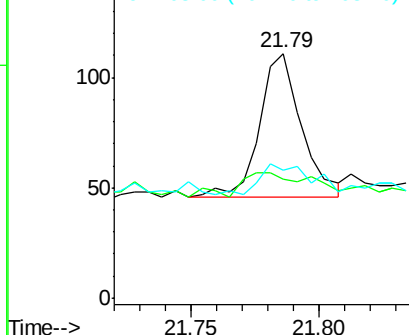
#15
 Fluoranthene
 Concen: 0.00 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. -0.00 min
 Lab File: BE089567.D
 Acq: 7 Feb 2015 20:27

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion:202 Resp: 74
 Ion Ratio Lower Upper
 202 100
 101 27.0 11.6 17.4#
 203 28.4 13.6 20.4#

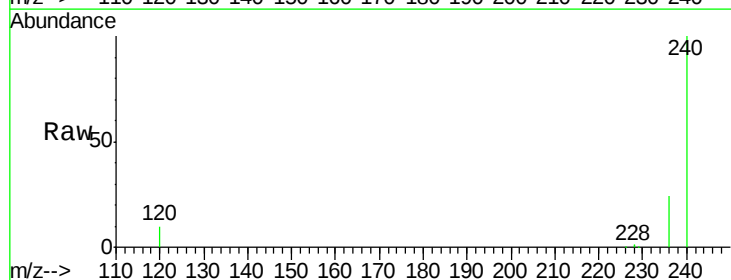


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

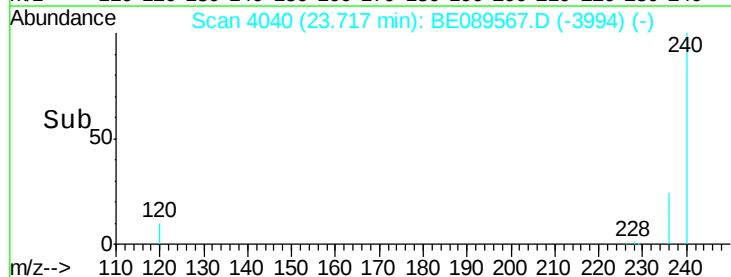
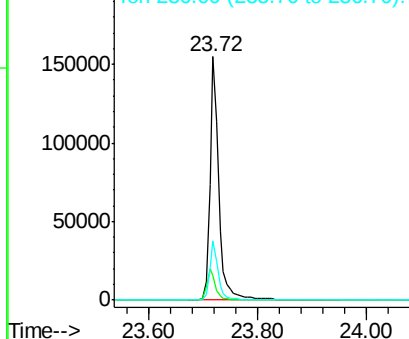


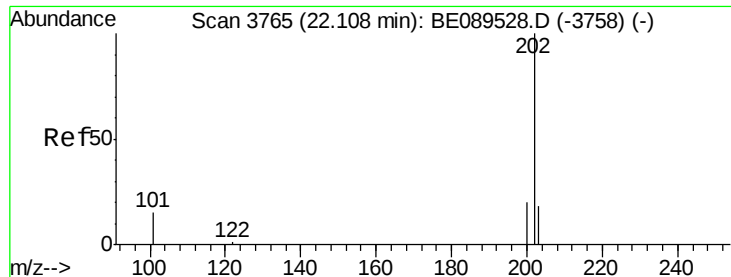
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4040
 Delta R.T. -0.01 min
 Lab File: BE089567.D
 Acq: 7 Feb 2015 20:27

Tgt Ion:240 Resp: 175767
 Ion Ratio Lower Upper
 240 100
 120 10.3 7.2 10.8
 236 24.2 18.5 27.7



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

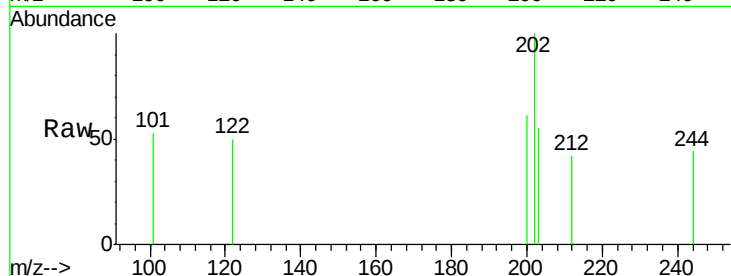




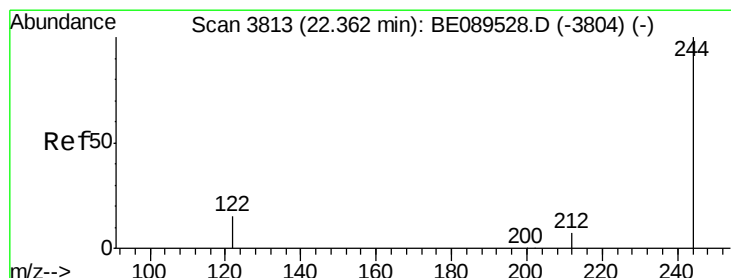
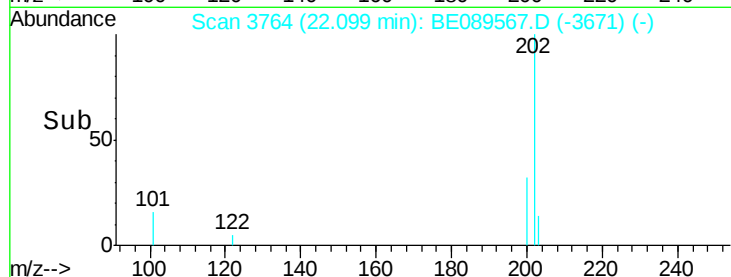
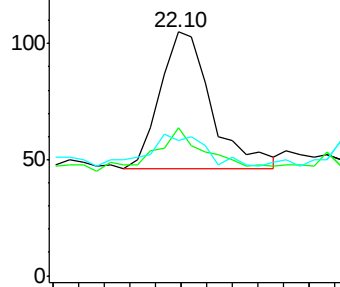
#17
 Pyrene
 Concen: 0.00 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. -0.01 min
 Lab File: BE089567.D
 Acq: 7 Feb 2015 20:27

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion: 202 Resp: 83
 Ion Ratio Lower Upper
 202 100
 200 32.5 16.3 24.5#
 203 26.5 13.5 20.3#

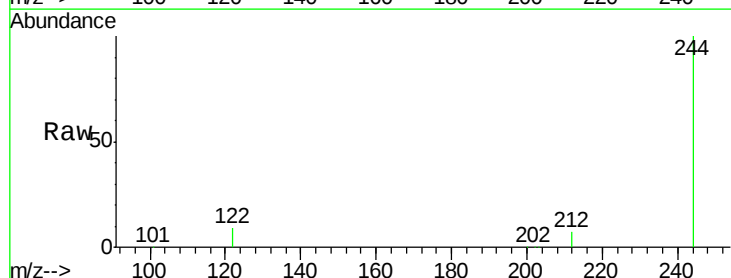


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

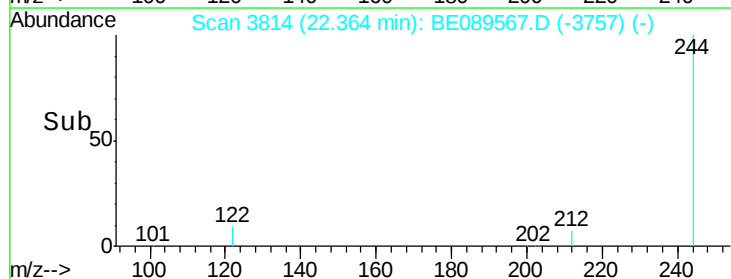
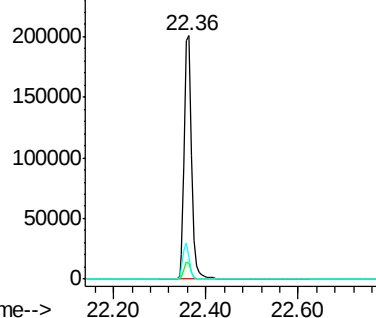


#18
 Terphenyl-d14
 Concen: 9.37 ng
 RT: 22.36 min Scan# 3814
 Delta R.T. 0.00 min
 Lab File: BE089567.D
 Acq: 7 Feb 2015 20:27

Tgt Ion: 244 Resp: 217249
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 9.1 12.6 19.0#



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





#19

Benzo(a)anthracene

Concen: 0.01 ng

RT: 23.72 min Scan# 4040

Delta R.T. 0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

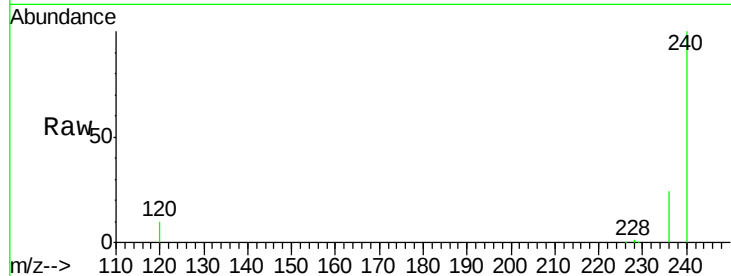
Tgt Ion:228 Resp: 1844

Ion Ratio Lower Upper

228 100

226 19.9 19.0 28.4

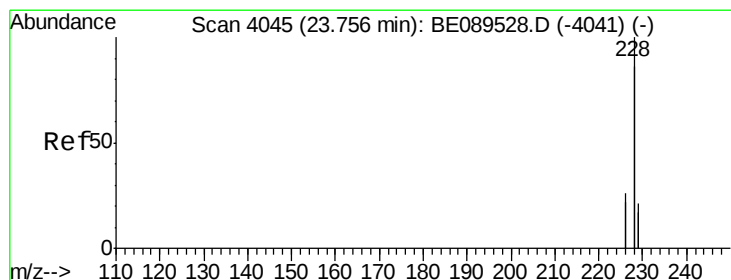
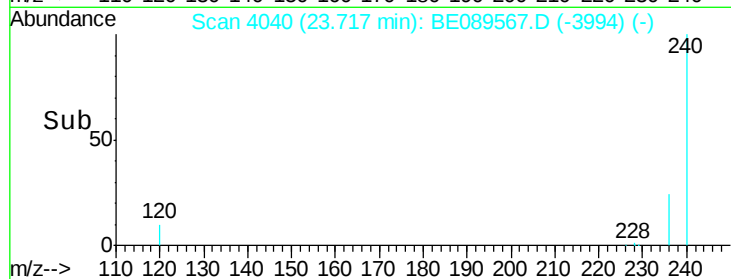
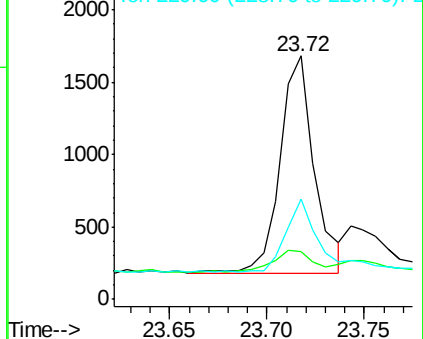
229 41.3 16.8 25.2#



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



#20

Chrysene

Concen: 0.01 ng

RT: 23.72 min Scan# 4040

Delta R.T. -0.04 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

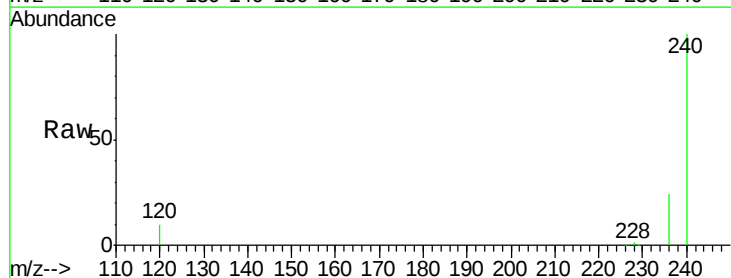
Tgt Ion:228 Resp: 1844

Ion Ratio Lower Upper

228 100

226 19.9 21.0 31.4#

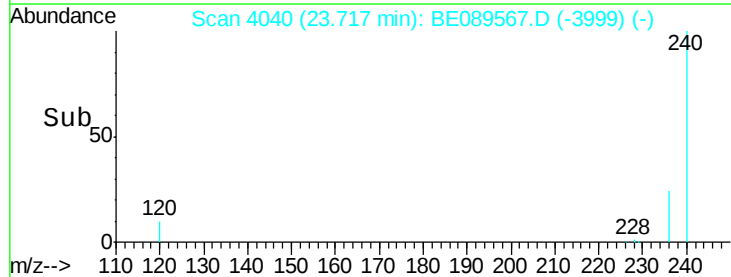
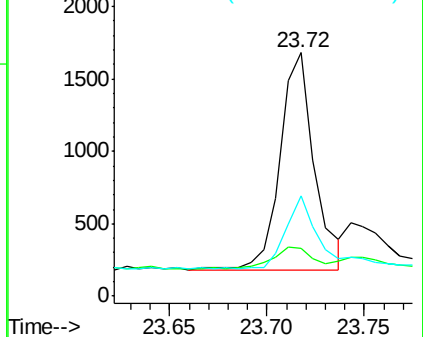
229 41.3 16.7 25.1#

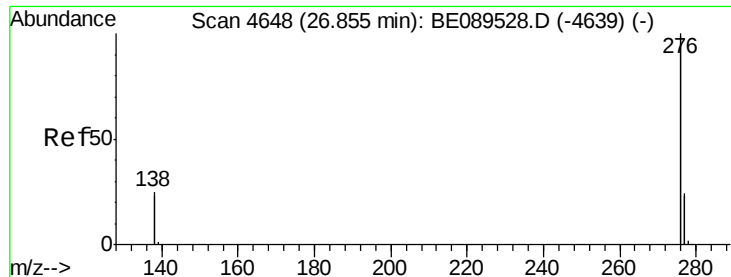


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 26.84 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

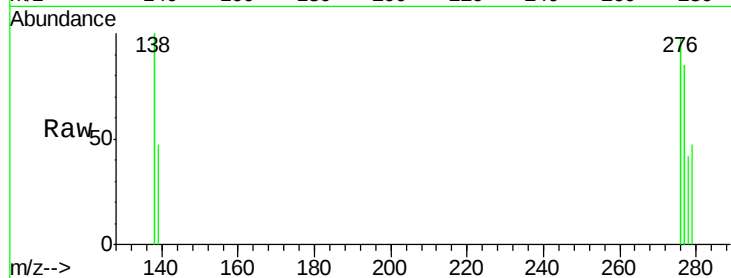
Tgt Ion:276 Resp: 86

Ion Ratio Lower Upper

276 100

138 53.5 23.0 34.4#

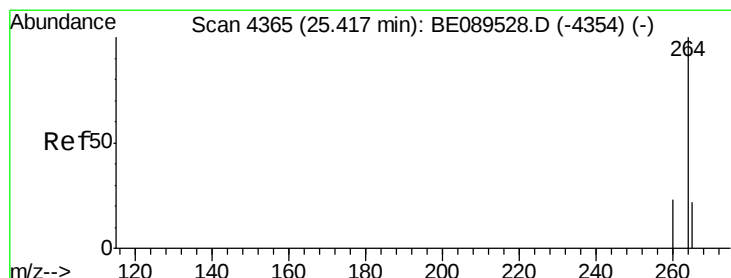
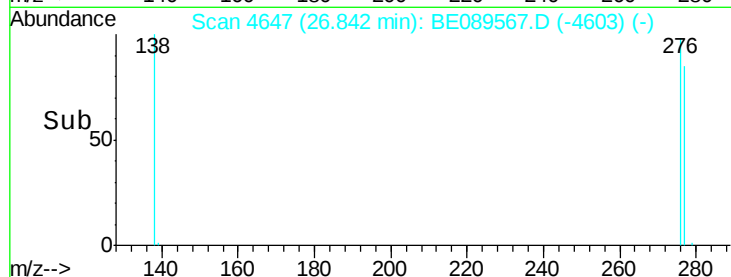
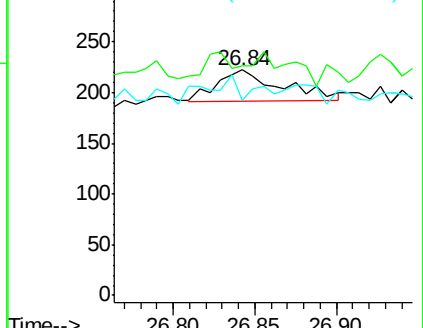
277 9.3 19.9 29.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.41 min Scan# 4365

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

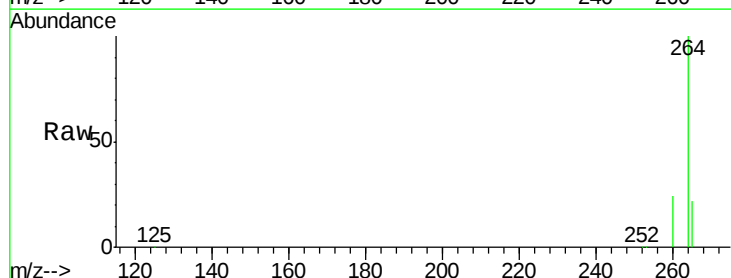
Tgt Ion:264 Resp: 163308

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

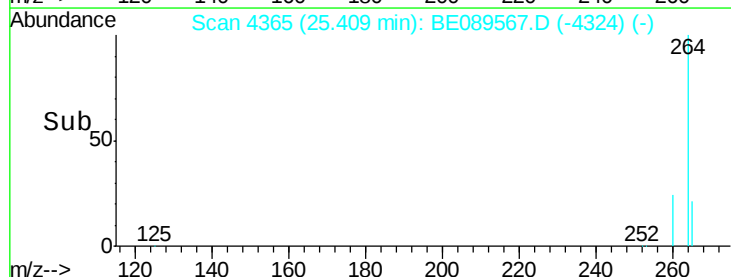
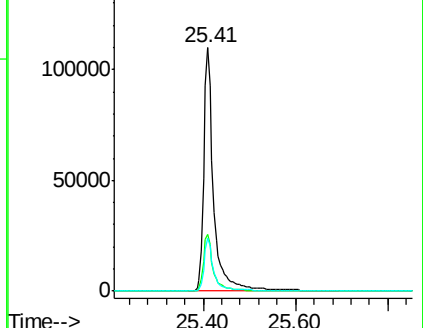
265 21.6 17.5 26.3



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





#23

Benzo(b)fluoranthene

Concen: 0.00 ng

RT: 24.97 min Scan# 4269

Delta R.T. -0.01 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

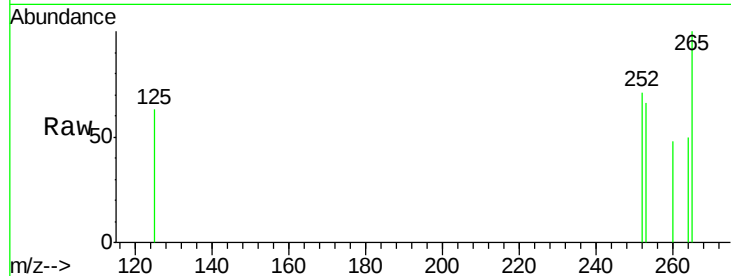
Tgt Ion:252 Resp: 33

Ion Ratio Lower Upper

252 100

253 93.4 17.4 26.0#

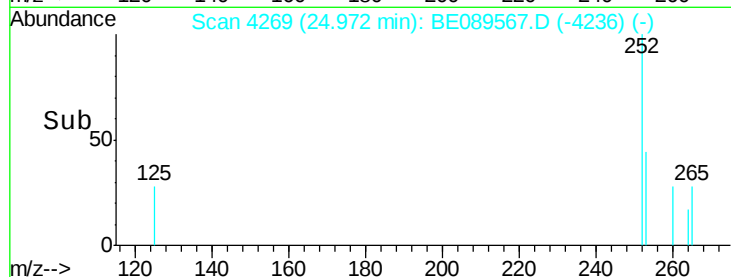
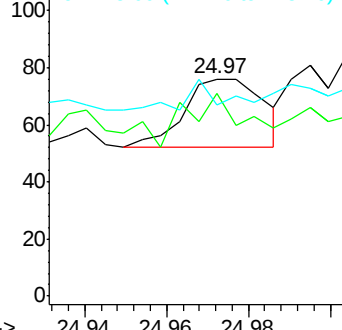
125 88.2 10.4 15.6#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng

RT: 25.00 min Scan# 4276

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

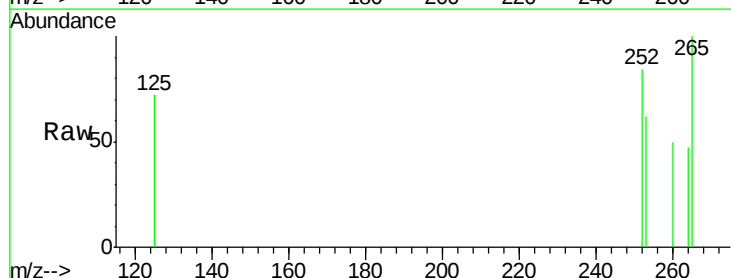
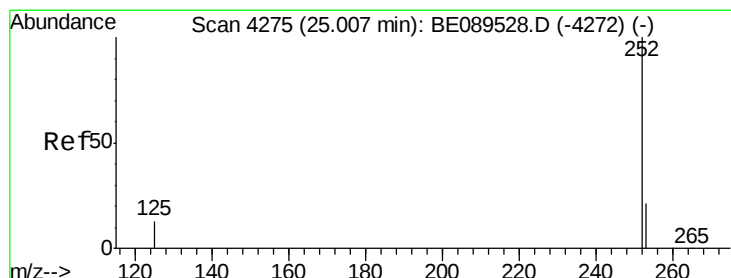
Tgt Ion:252 Resp: 44

Ion Ratio Lower Upper

252 100

253 74.1 17.2 25.8#

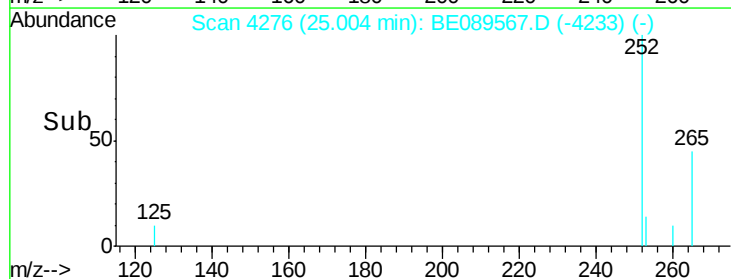
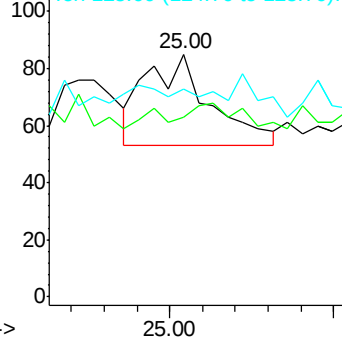
125 85.9 10.6 15.8#



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





#25

Benzo(a)pyrene

Concen: 0.00 ng

RT: 25.35 min Scan# 4351

Delta R.T. -0.00 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

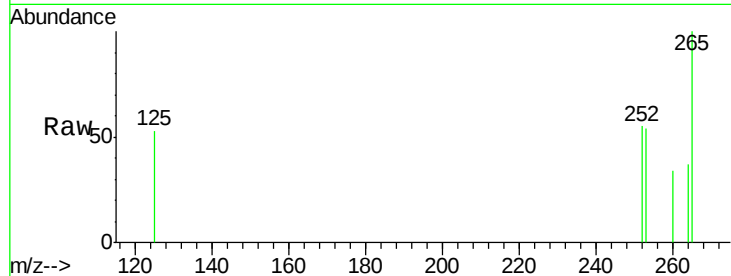
Tgt Ion:252 Resp: 29

Ion Ratio Lower Upper

252 100

253 97.3 17.8 26.6#

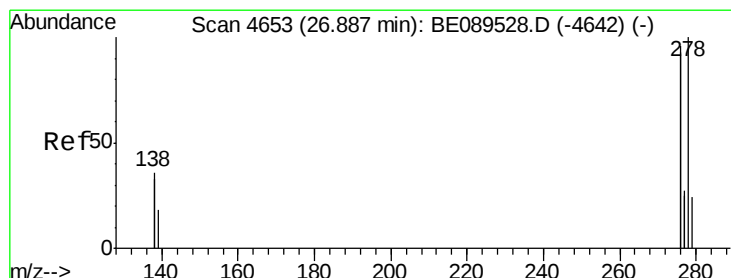
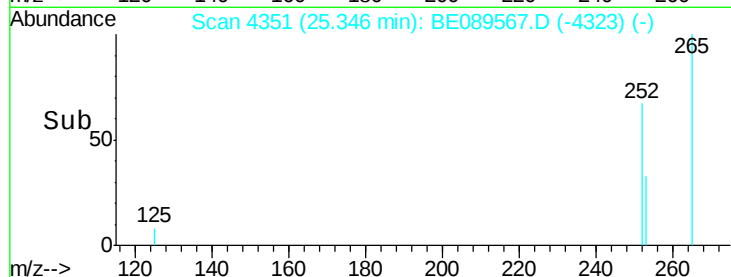
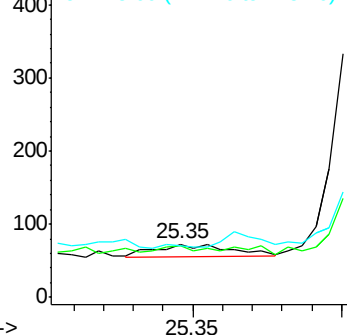
125 95.9 11.4 17.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 26.87 min Scan# 4651

Delta R.T. -0.02 min

Lab File: BE089567.D

Acq: 7 Feb 2015 20:27

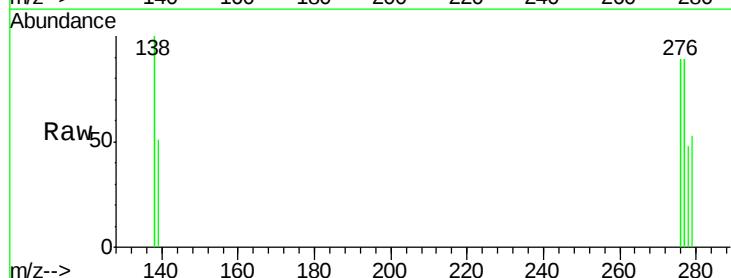
Tgt Ion:278 Resp: 16

Ion Ratio Lower Upper

278 100

139 105.5 15.7 23.5#

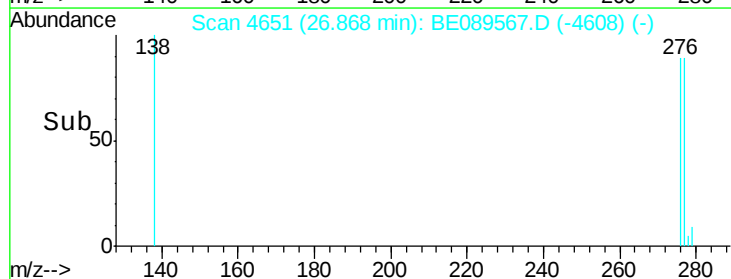
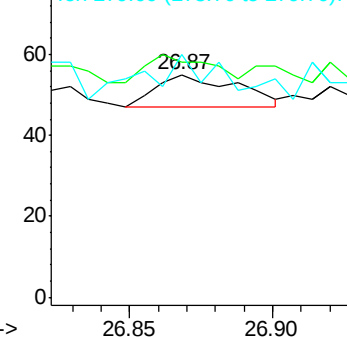
279 109.1 19.5 29.3#



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





#27

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 27.27 min Scan# 4712

Delta R.T. -0.02 min

Lab File: BE089567.D

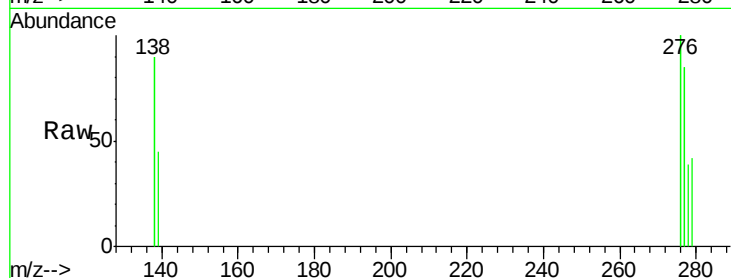
Acq: 7 Feb 2015 20:27

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



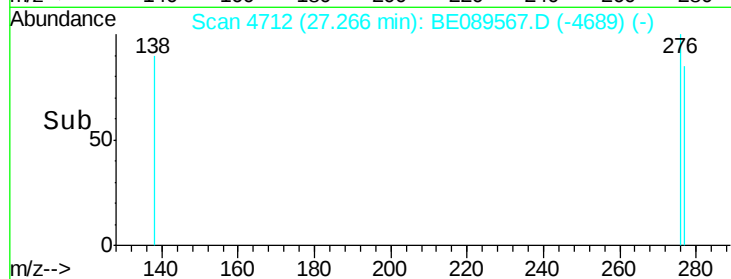
Tgt Ion: 276 Resp: 131

Ion Ratio Lower Upper

276 100

277 84.7 18.6 27.8#

138 89.5 20.9 31.3#



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

