

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089557.D
 Acq On : 7 Feb 2015 12:00
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 09 00:17:16 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	34334	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	131933	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	54607	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	102253	5.00	ng	0.00
16) Chrysene-d12	23.72	240	122550	5.00	ng	0.00
22) Perylene-d12	25.41	264	128215	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.69	82	7828	0.89	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	13917	0.96	ng	0.00
18) Terphenyl-d14	22.36	244	15133	0.94	ng	0.00

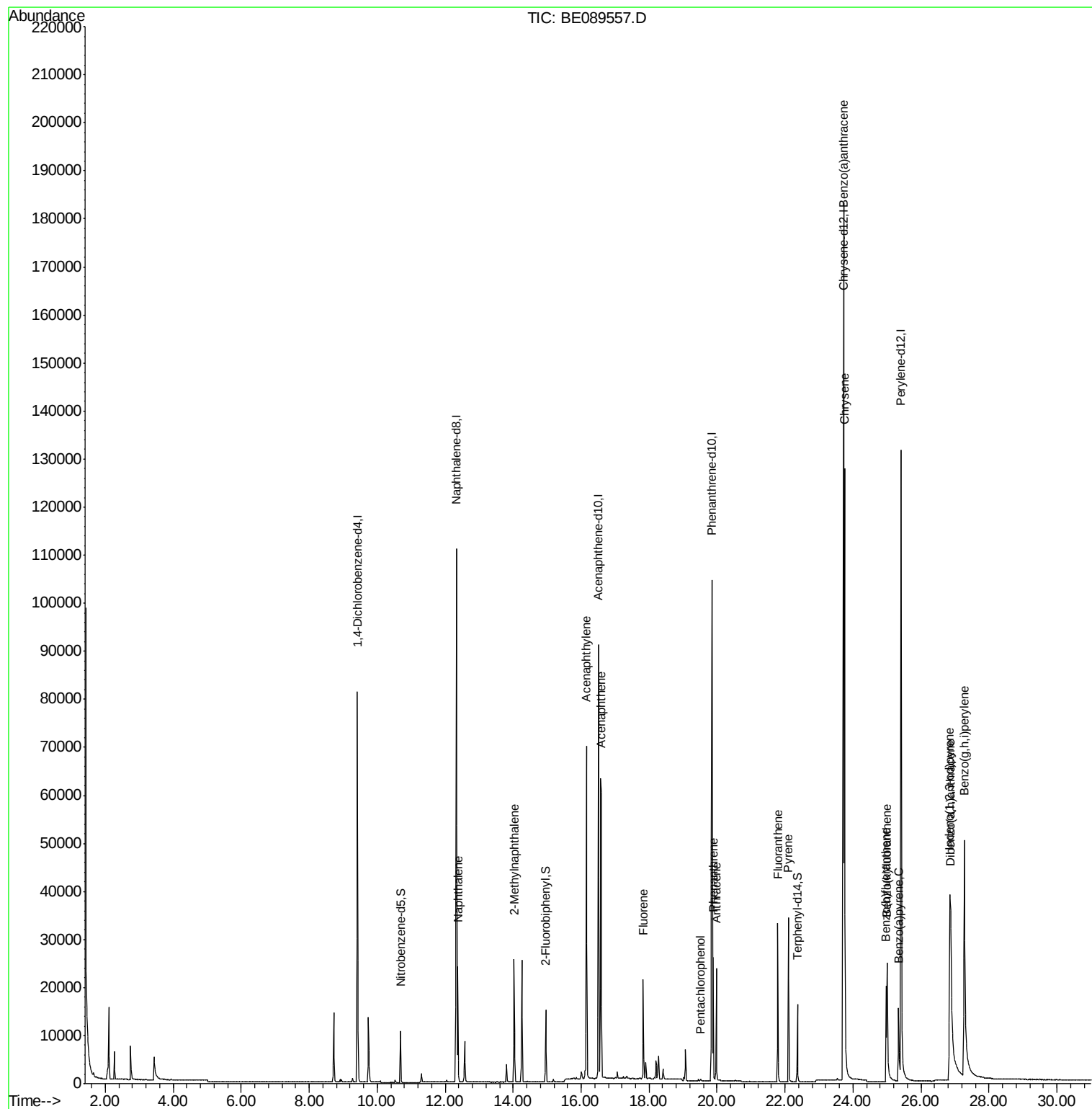
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.38	128	28575	0.96	ng	100
5) 2-Methylnaphthalene	14.03	142	16344	0.97	ng	98
8) Acenaphthylene	16.16	152	89189	0.97	ng	100
9) Acenaphthene	16.59	154	13964	0.96	ng	98
10) Fluorene	17.83	166	15078	0.97	ng	99
12) Pentachlorophenol	19.52	266	297	0.91	ng	91
13) Phenanthrene	19.89	178	24544	0.97	ng	99
14) Anthracene	19.98	178	20940	0.98	ng	100
15) Fluoranthene	21.78	202	22933	0.97	ng	98
17) Pyrene	22.10	202	25039	0.96	ng	100
19) Benzo(a)anthracene	23.70	228	95927	0.88	ng	96
20) Chrysene	23.75	228	110088	0.99	ng	97
21) Indeno(1,2,3-cd)pyrene	26.85	276	111256	0.72	ng	99
23) Benzo(b)fluoranthene	24.98	252	18465	0.74	ng	99
24) Benzo(k)fluoranthene	25.00	252	29780	0.96	ng	98
25) Benzo(a)pyrene	25.34	252	18944	0.77	ng	98
26) Dibenzo(a,h)anthracene	26.88	278	21807	0.72	ng	96
27) Benzo(g,h,i)perylene	27.27	276	101497	0.82	ng	98

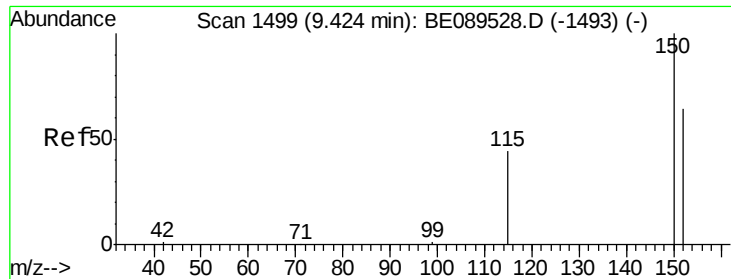
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

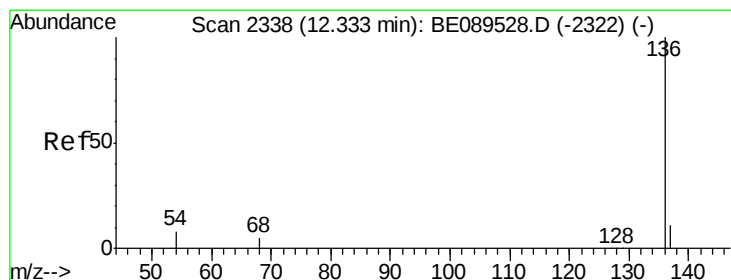
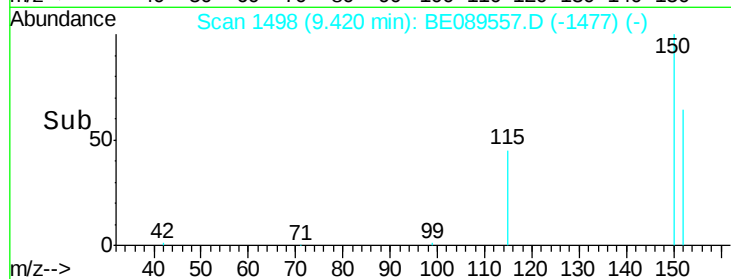
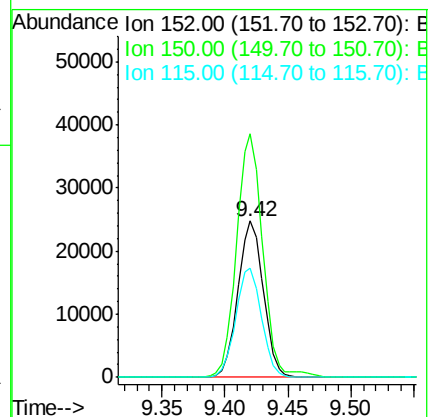
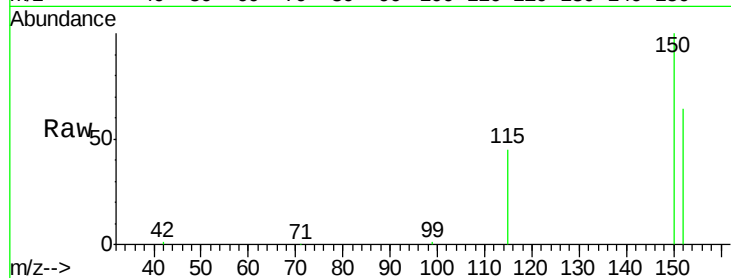
Tgt Ion:152 Resp: 34334

Ion Ratio Lower Upper

152 100

150 155.9 125.7 188.5

115 69.9 55.6 83.4



#2

Naphthalene-d8

Concen: 5.00 ng

RT: 12.33 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

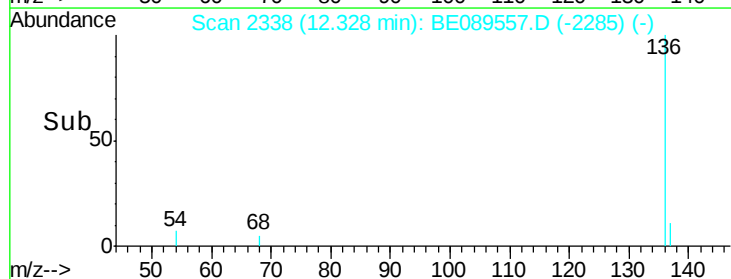
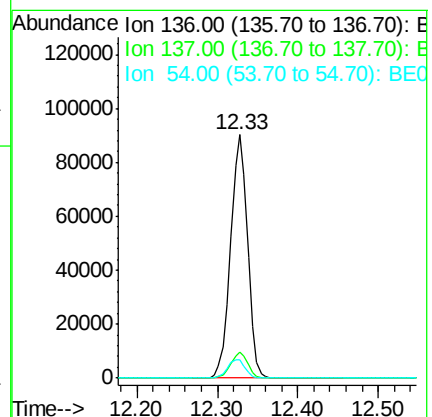
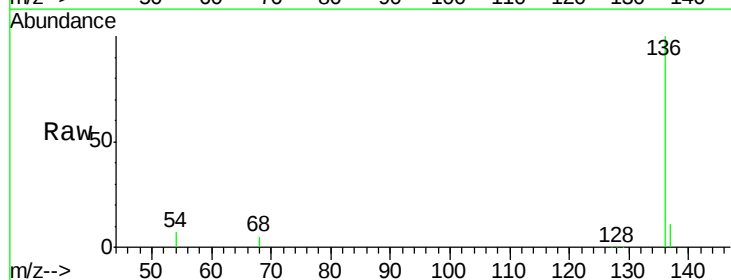
Tgt Ion:136 Resp: 131933

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.3 6.1 9.1





#3

Nitrobenzene-d5

Concen: 0.89 ng

RT: 10.69 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDIC002

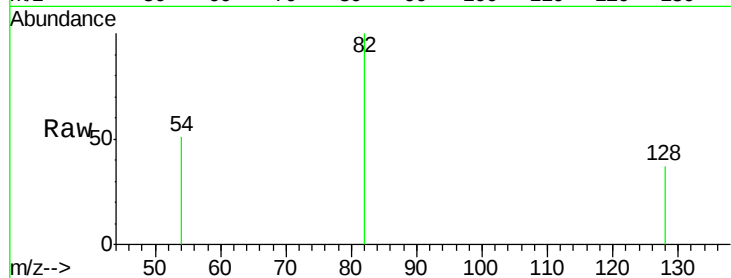
Tgt Ion: 82 Resp: 7828

Ion Ratio Lower Upper

82 100

128 37.1 30.2 45.4

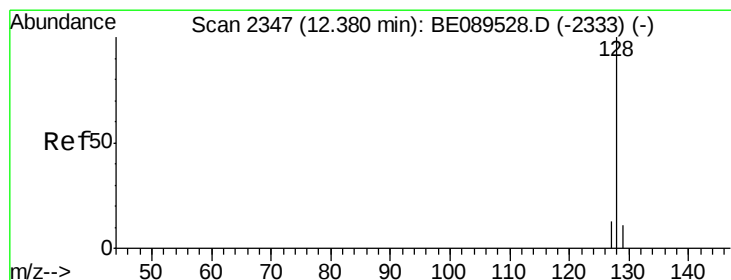
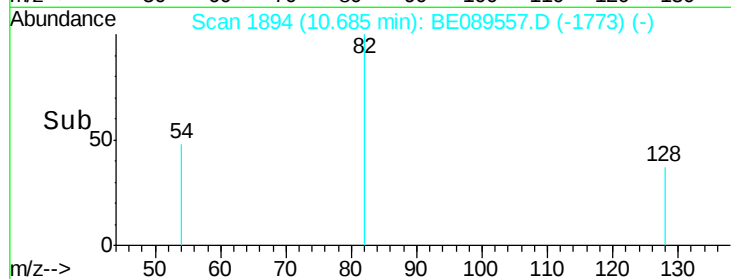
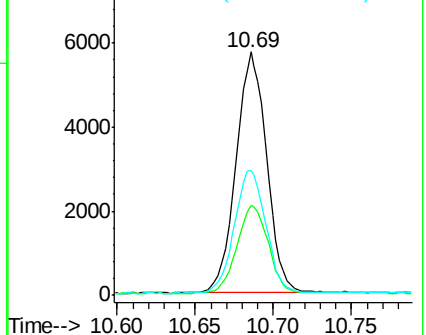
54 51.1 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BE089528.D (-1876) (-)

Ion 128.00 (127.70 to 128.70): BE089528.D (-1876) (-)

Ion 54.00 (53.70 to 54.70): BE089528.D (-1876) (-)



#4

Naphthalene

Concen: 0.96 ng

RT: 12.38 min Scan# 2347

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

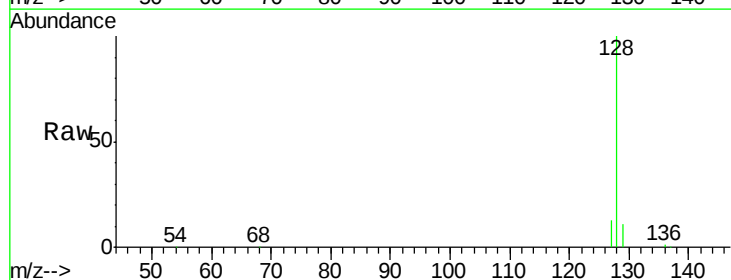
Tgt Ion: 128 Resp: 28575

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

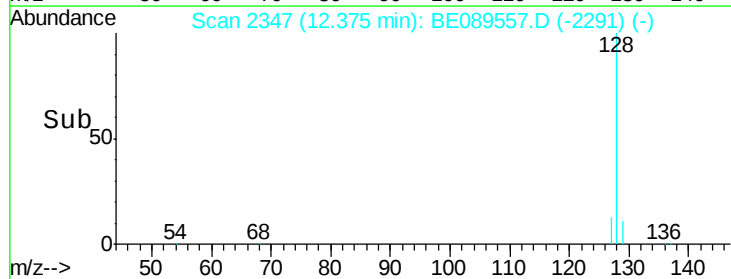
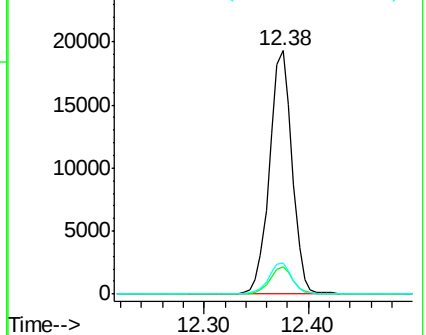
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): BE089528.D (-2333) (-)

Ion 129.00 (128.70 to 129.70): BE089528.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): BE089528.D (-2333) (-)





#5

2-Methylnaphthalene

Concen: 0.97 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

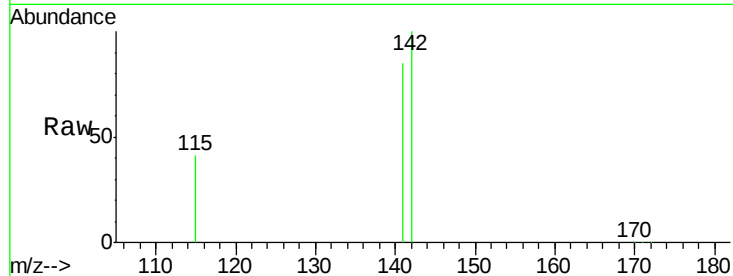
Tgt Ion:142 Resp: 16344

Ion Ratio Lower Upper

142 100

141 85.0 67.0 100.6

115 41.3 30.6 45.8

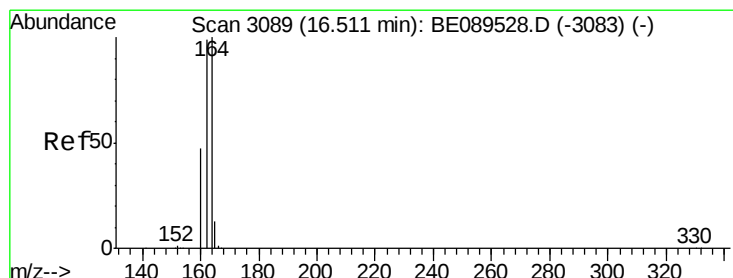
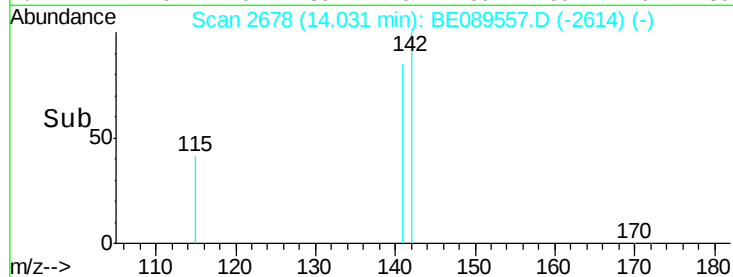
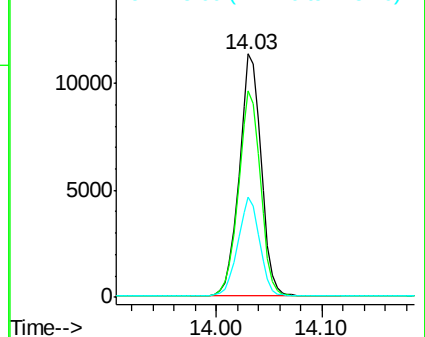


Abundance

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: BE089557.D

Acq: 7 Feb 2015 12:00

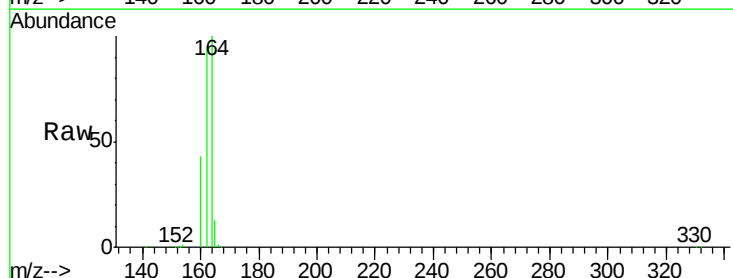
Tgt Ion:164 Resp: 54607

Ion Ratio Lower Upper

164 100

162 95.3 79.5 119.3

160 43.2 37.6 56.4

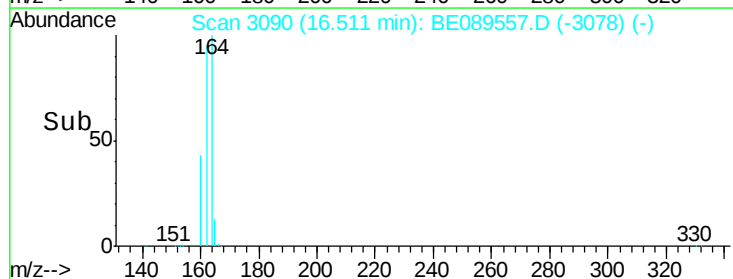
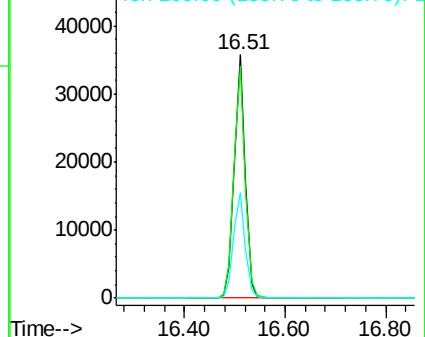


Abundance

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: 0.96 ng

RT: 14.96 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

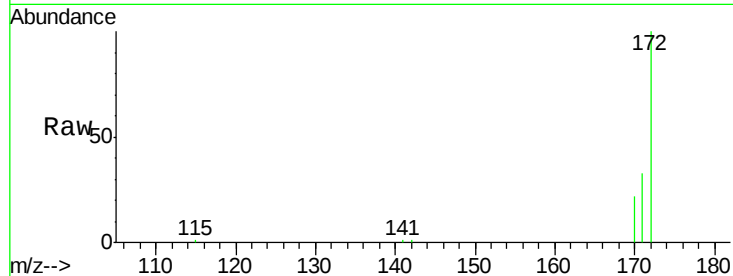
Tgt Ion:172 Resp: 13917

Ion Ratio Lower Upper

172 100

171 33.4 27.7 41.5

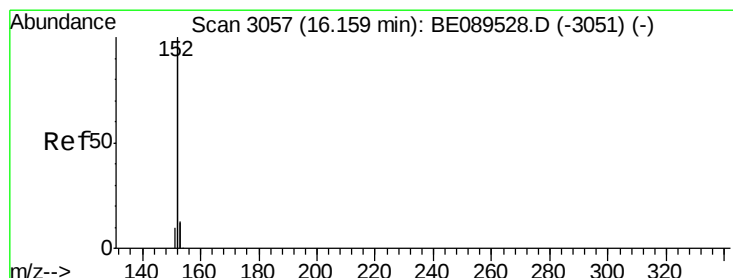
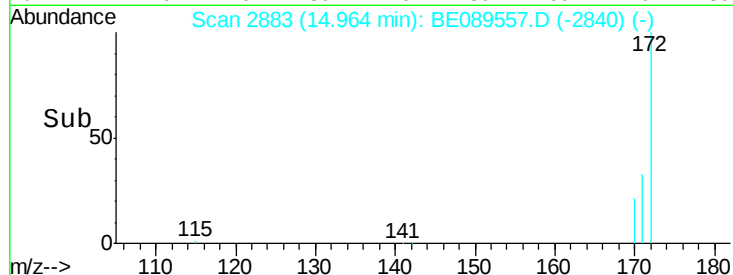
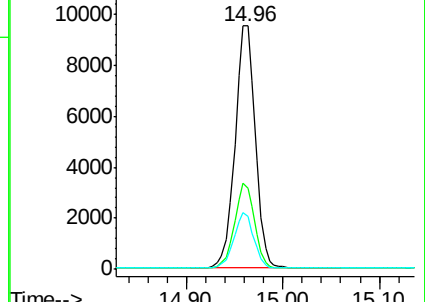
170 21.6 18.3 27.5



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: 0.97 ng

RT: 16.16 min Scan# 3058

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

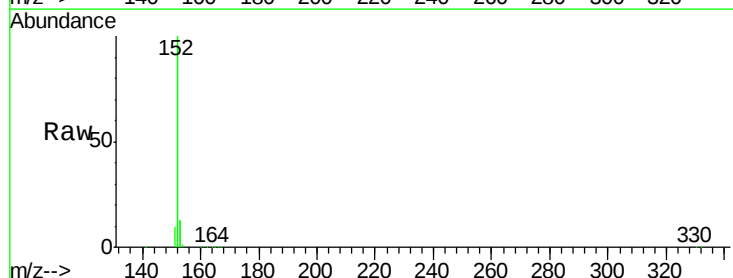
Tgt Ion:152 Resp: 89189

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

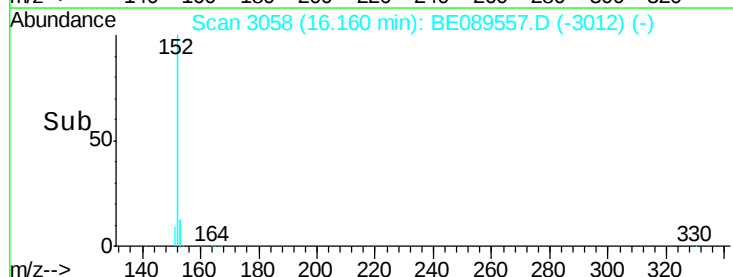
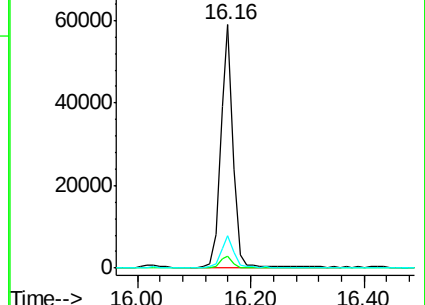
153 13.1 10.6 15.8

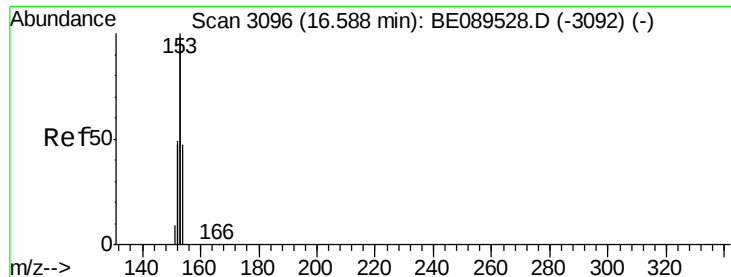


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.96 ng

RT: 16.59 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

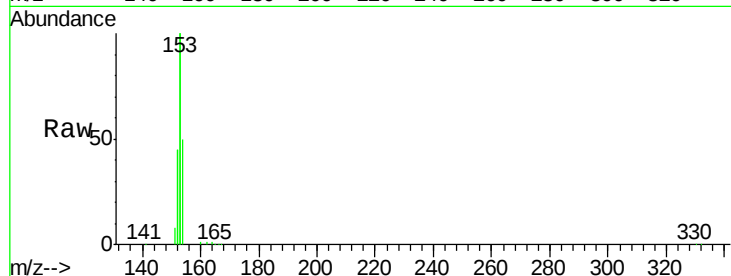
Tgt Ion:154 Resp: 13964

Ion Ratio Lower Upper

154 100

153 429.8 340.8 511.2

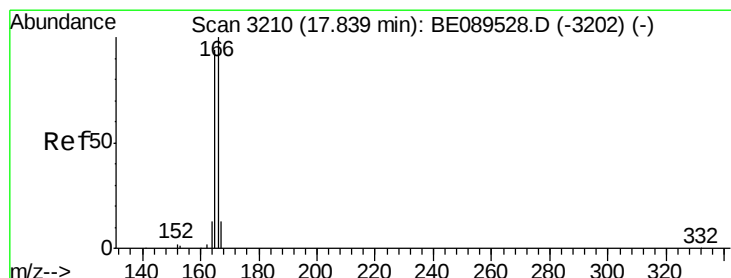
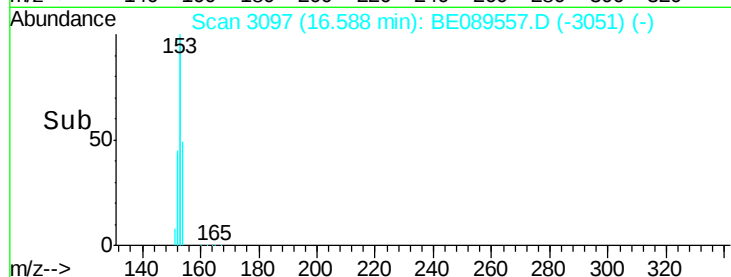
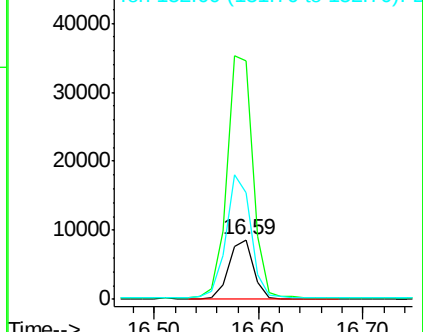
152 210.2 165.5 248.3



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: 0.97 ng

RT: 17.83 min Scan# 3210

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

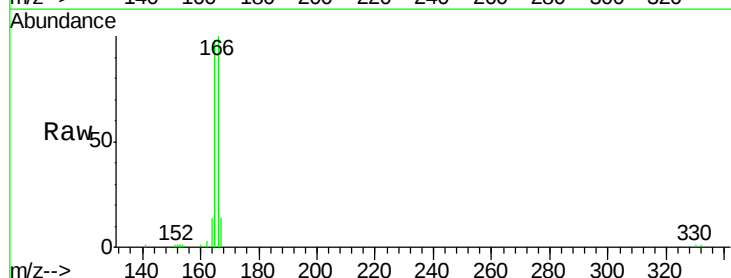
Tgt Ion:166 Resp: 15078

Ion Ratio Lower Upper

166 100

165 93.8 75.5 113.3

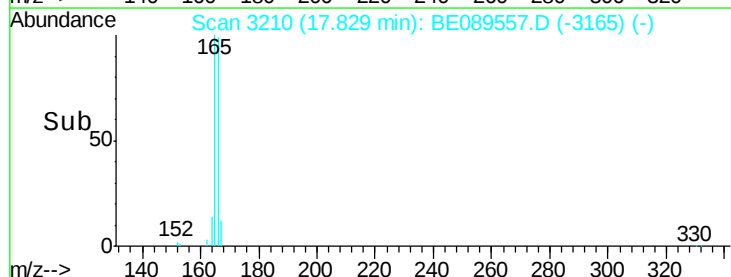
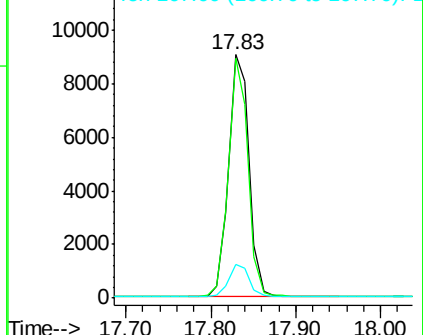
167 13.4 10.9 16.3

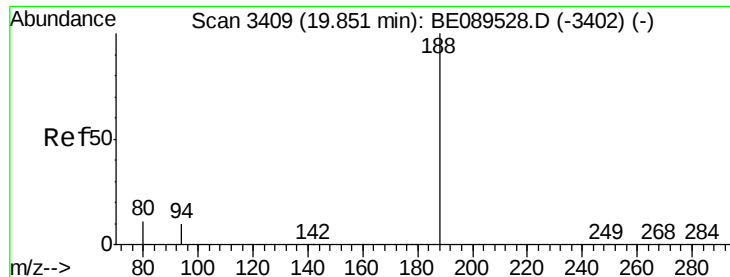


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

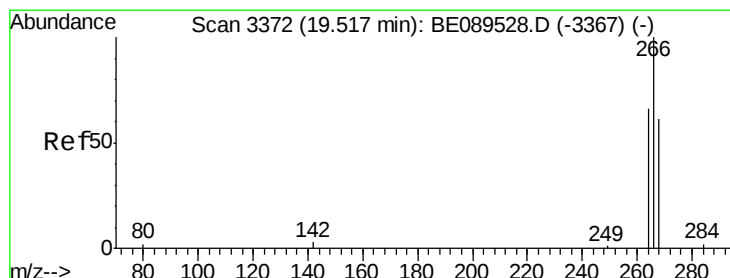
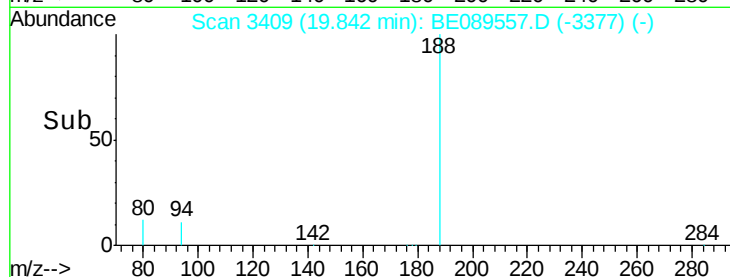
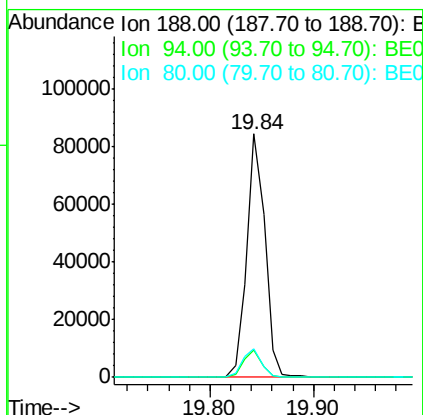
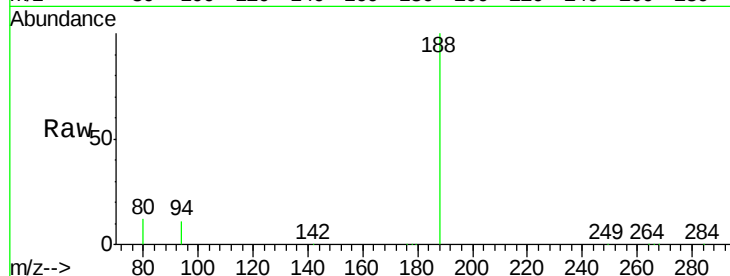




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3409
Delta R.T. -0.01 min
Lab File: BE089557.D
Acq: 7 Feb 2015 12:00

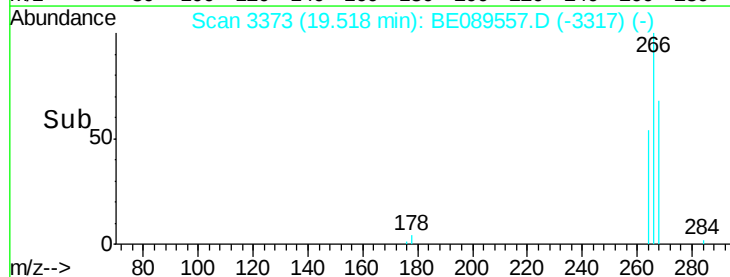
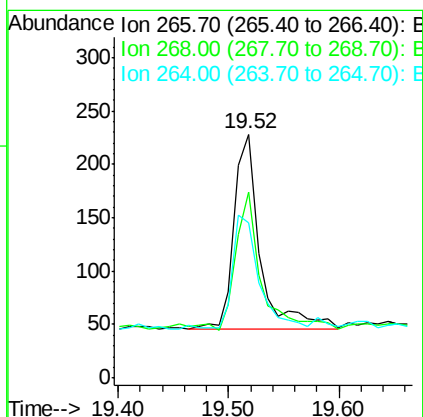
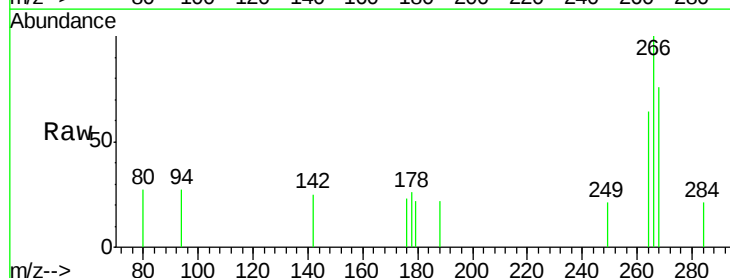
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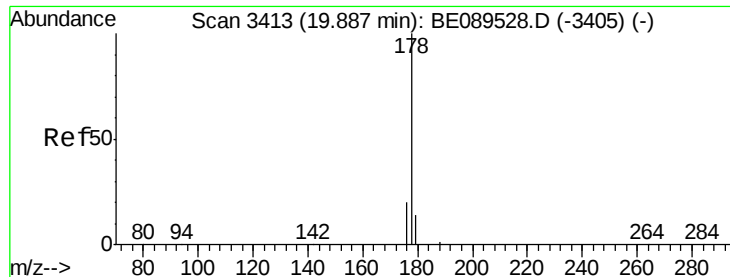
Tgt Ion:188 Resp: 102253
Ion Ratio Lower Upper
188 100
94 11.2 8.4 12.6
80 12.0 8.6 12.8



#12
Pentachlorophenol
Concen: 0.91 ng
RT: 19.52 min Scan# 3373
Delta R.T. 0.00 min
Lab File: BE089557.D
Acq: 7 Feb 2015 12:00

Tgt Ion:266 Resp: 297
Ion Ratio Lower Upper
266 100
268 76.3 57.9 86.9
264 63.6 60.2 90.4





#13

Phenanthrene

Concen: 0.97 ng

RT: 19.89 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

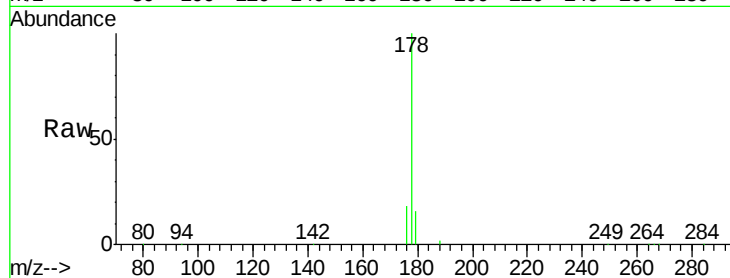
Tgt Ion:178 Resp: 24544

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

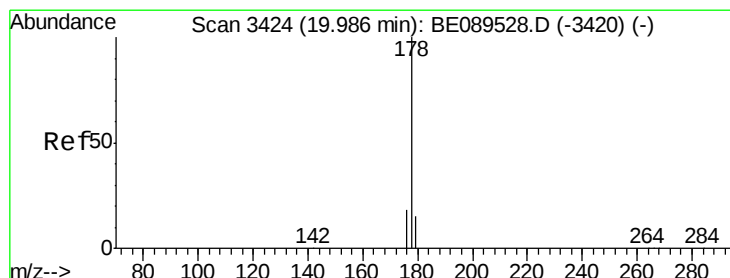
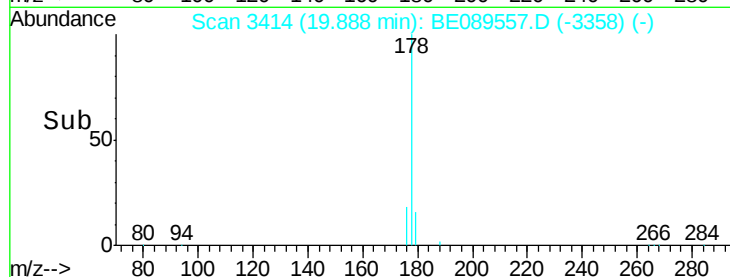
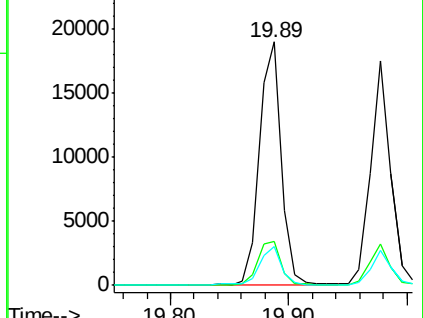
179 15.7 12.2 18.2



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



#14

Anthracene

Concen: 0.98 ng

RT: 19.98 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

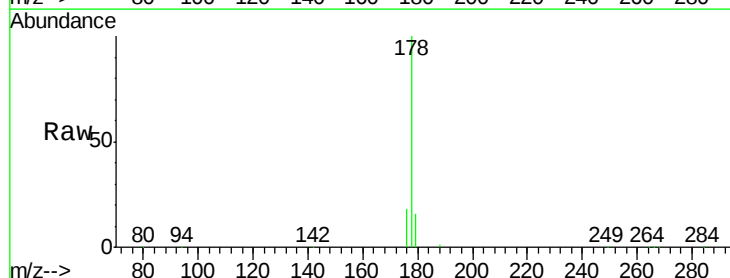
Tgt Ion:178 Resp: 20940

Ion Ratio Lower Upper

178 100

176 18.1 14.5 21.7

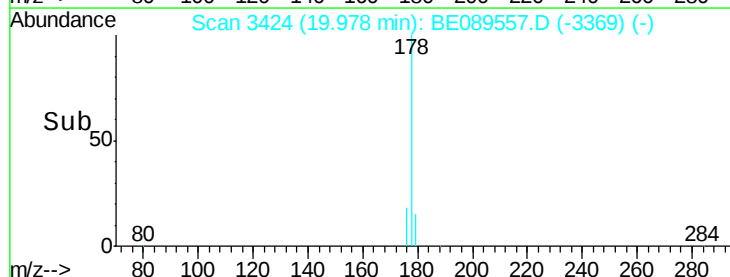
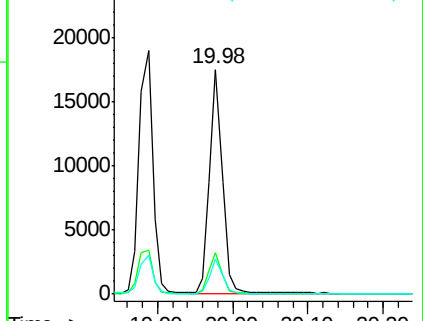
179 14.8 12.2 18.2

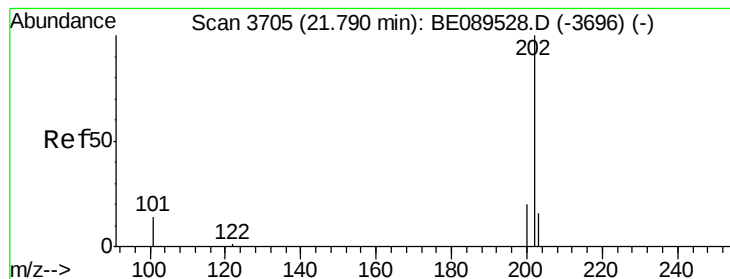


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.97 ng

RT: 21.78 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

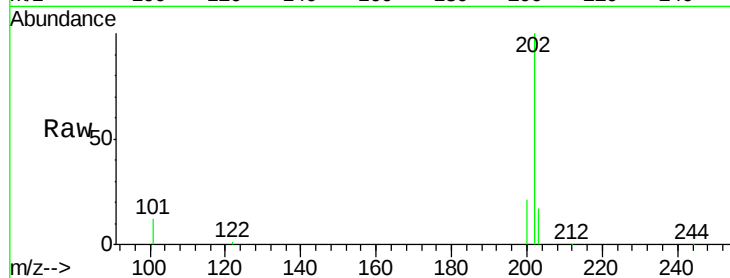
Tgt Ion: 202 Resp: 22933

Ion Ratio Lower Upper

202 100

101 12.7 11.6 17.4

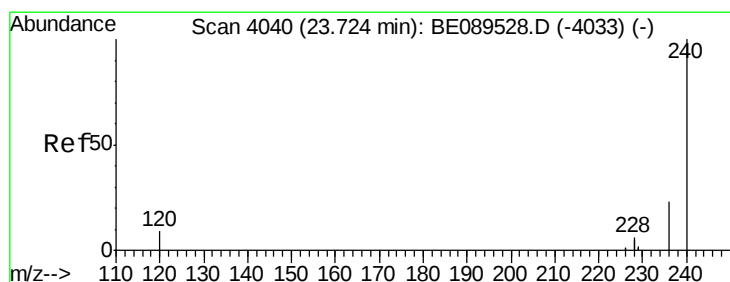
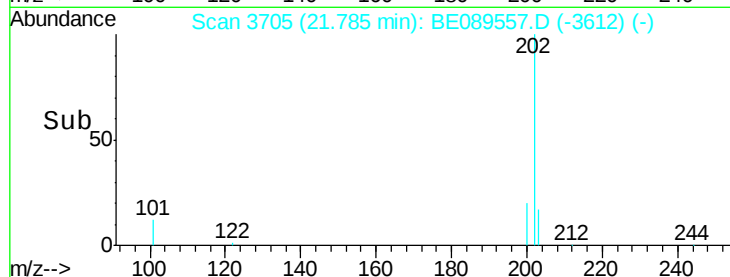
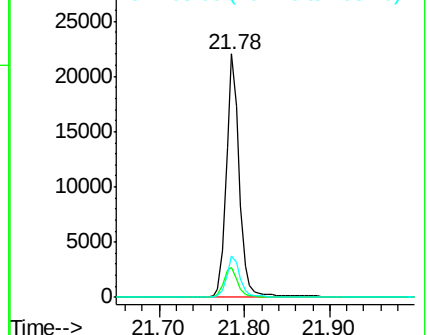
203 17.1 13.6 20.4



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: BE089557.D

Acq: 7 Feb 2015 12:00

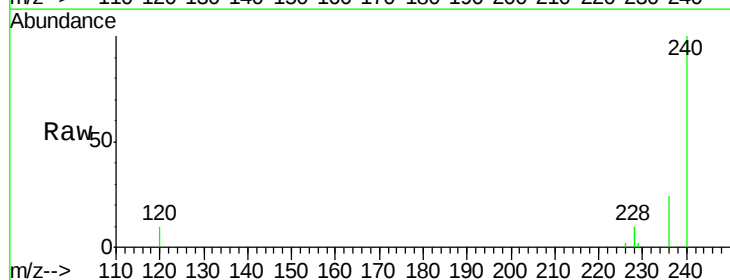
Tgt Ion: 240 Resp: 122550

Ion Ratio Lower Upper

240 100

120 9.6 7.2 10.8

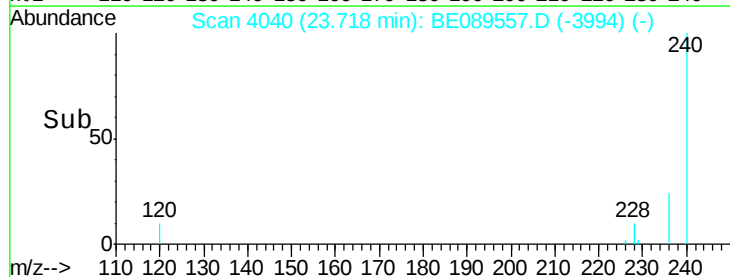
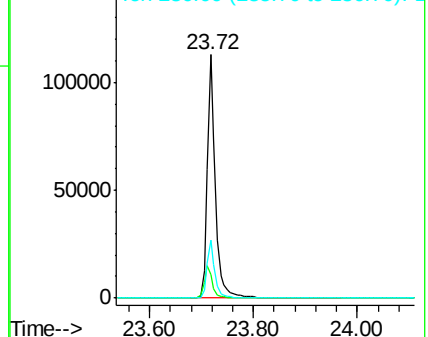
236 23.6 18.5 27.7

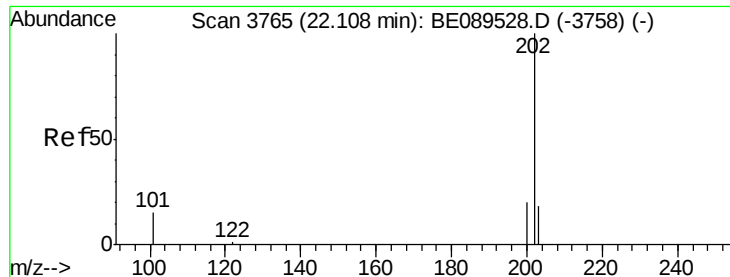


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

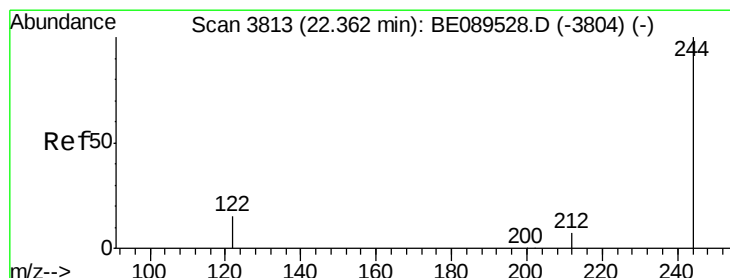
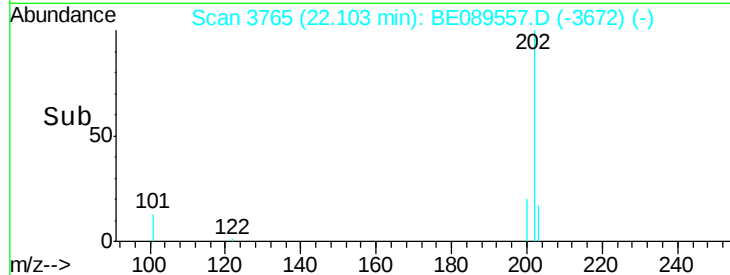
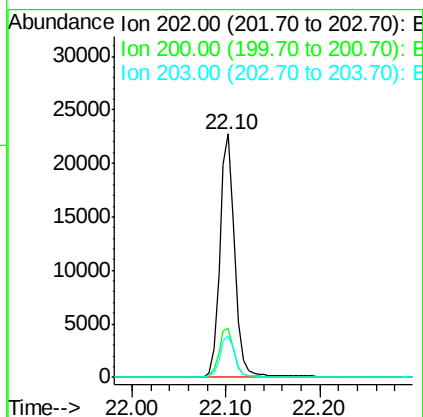
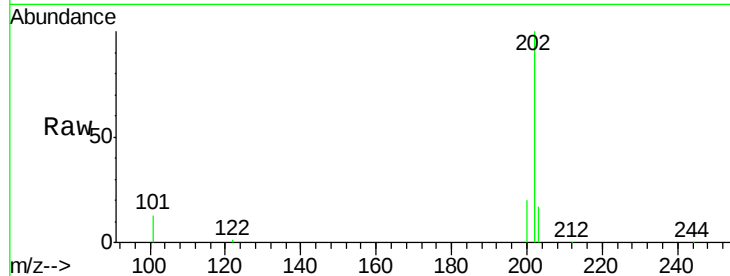




#17
 Pyrene
 Concen: 0.96 ng
 RT: 22.10 min Scan# 3765
 Delta R.T. -0.01 min
 Lab File: BE089557.D
 Acq: 7 Feb 2015 12:00

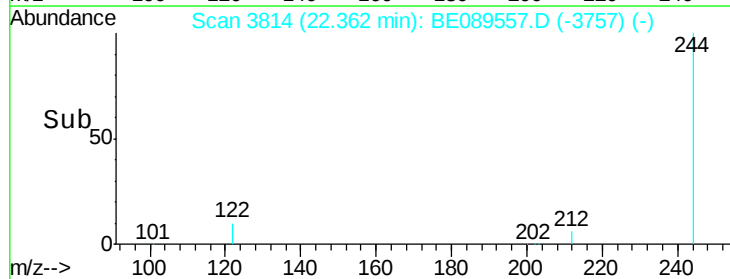
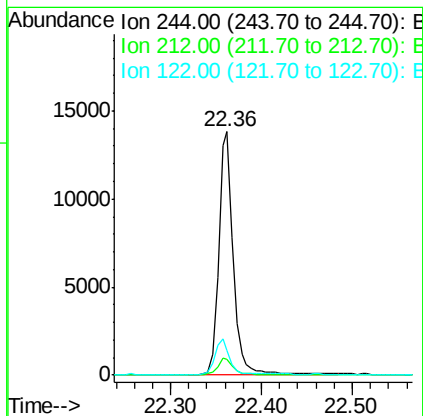
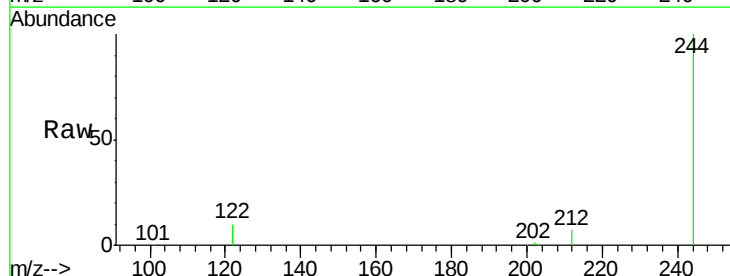
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

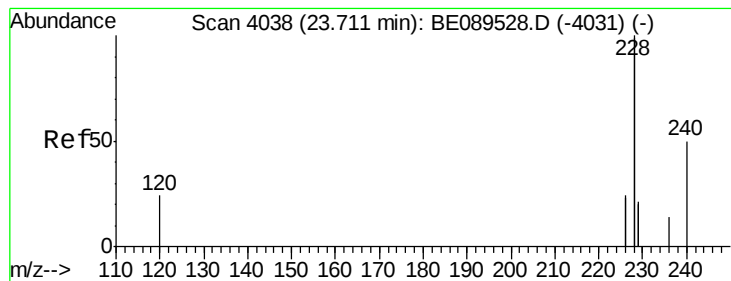
Tgt Ion:202 Resp: 25039
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.3 24.5
 203 17.2 13.5 20.3



#18
 Terphenyl-d14
 Concen: 0.94 ng
 RT: 22.36 min Scan# 3814
 Delta R.T. 0.00 min
 Lab File: BE089557.D
 Acq: 7 Feb 2015 12:00

Tgt Ion:244 Resp: 15133
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 10.0 12.6 19.0#





#19

Benzo(a)anthracene

Concen: 0.88 ng

RT: 23.70 min Scan# 4038

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDIC002

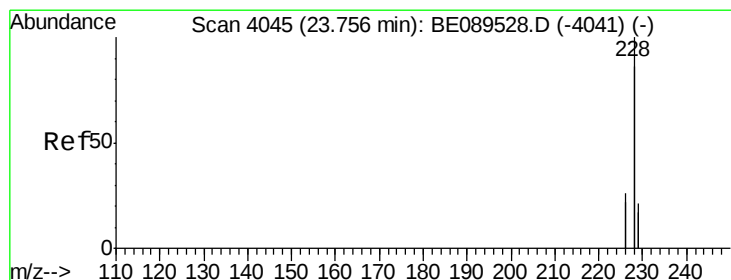
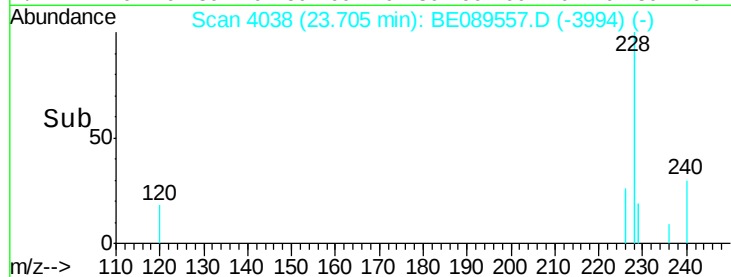
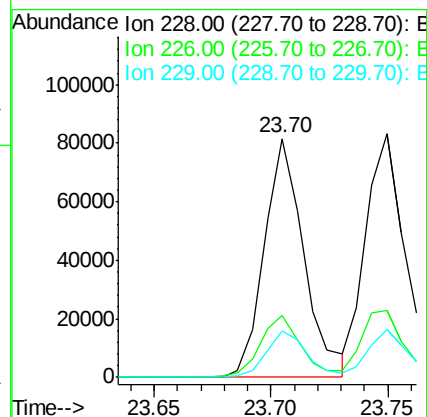
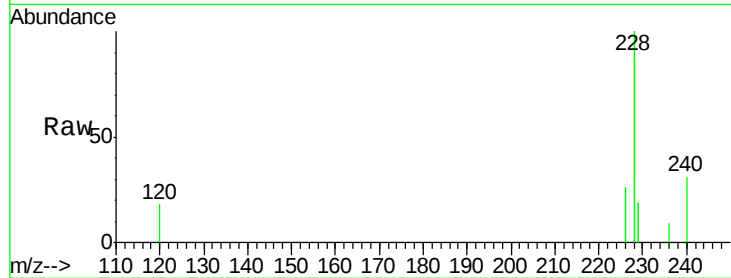
Tgt Ion:228 Resp: 95927

Ion Ratio Lower Upper

228 100

226 25.7 19.0 28.4

229 19.3 16.8 25.2



#20

Chrysene

Concen: 0.99 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

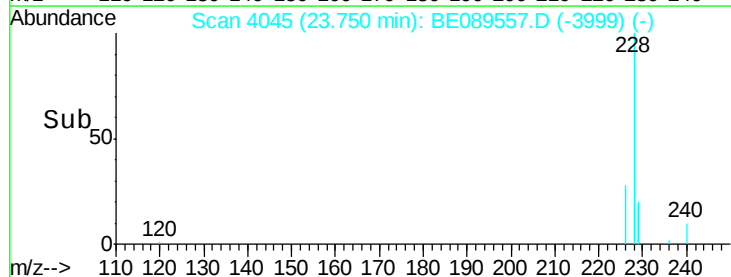
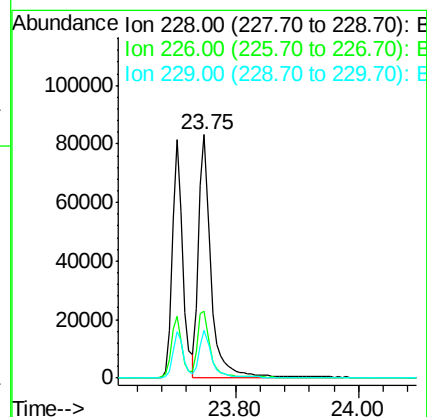
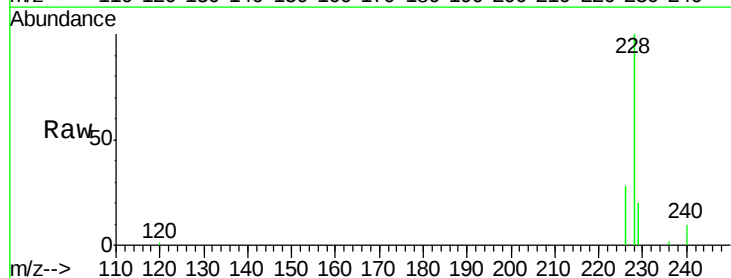
Tgt Ion:228 Resp: 110088

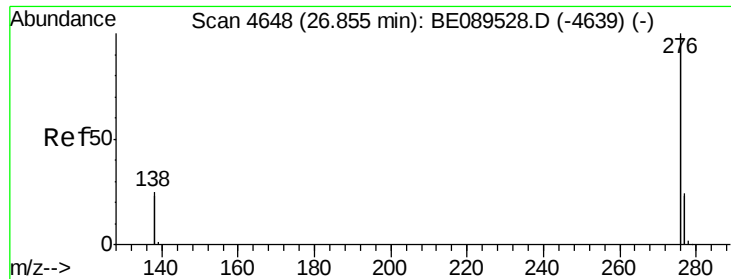
Ion Ratio Lower Upper

228 100

226 27.7 21.0 31.4

229 19.8 16.7 25.1

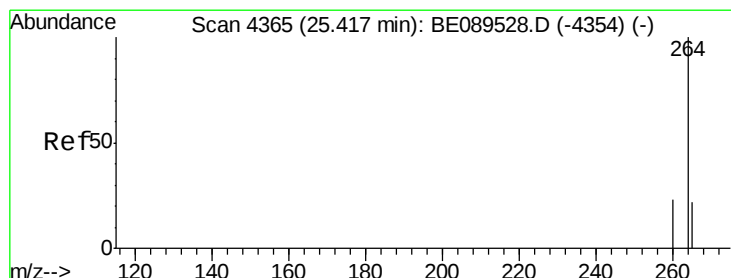
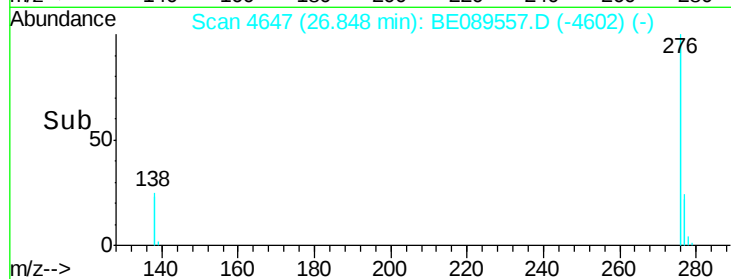
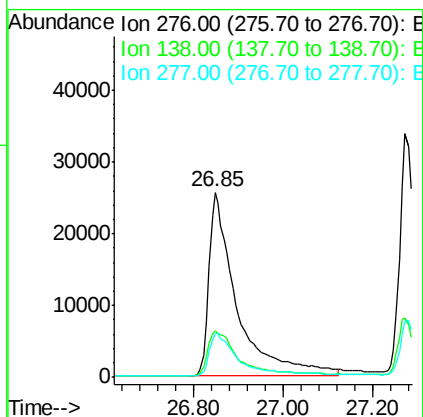
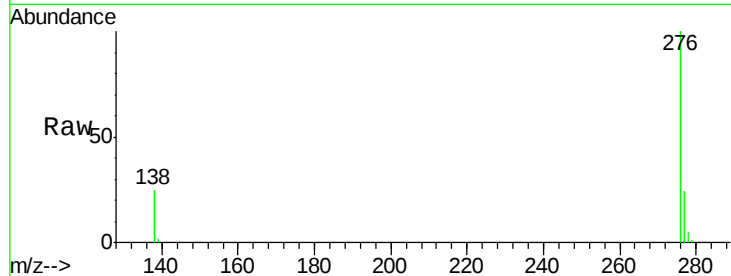




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.72 ng
 RT: 26.85 min Scan# 4647
 Delta R.T. -0.01 min
 Lab File: BE089557.D
 Acq: 7 Feb 2015 12:00

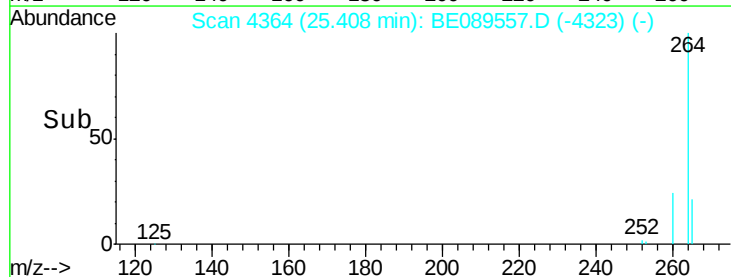
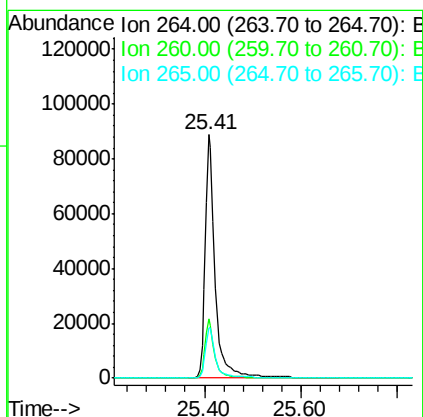
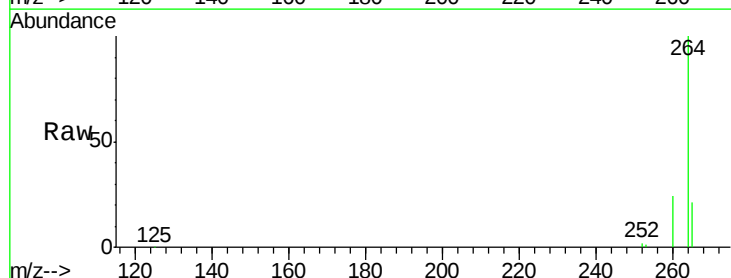
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

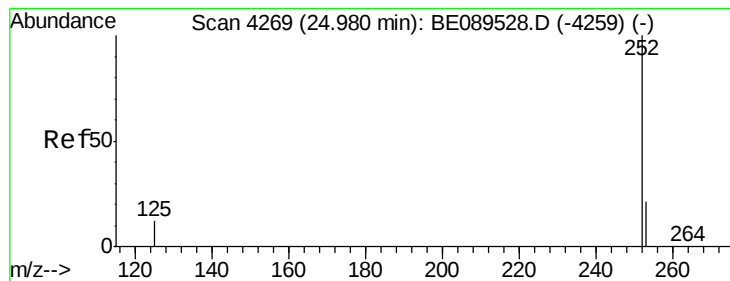
Tgt Ion: 276 Resp: 111256
 Ion Ratio Lower Upper
 276 100
 138 27.5 23.0 34.4
 277 24.9 19.9 29.9



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.41 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: BE089557.D
 Acq: 7 Feb 2015 12:00

Tgt Ion: 264 Resp: 128215
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.7 28.1
 265 20.7 17.5 26.3





#23

Benzo(b)fluoranthene

Concen: 0.74 ng

RT: 24.98 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

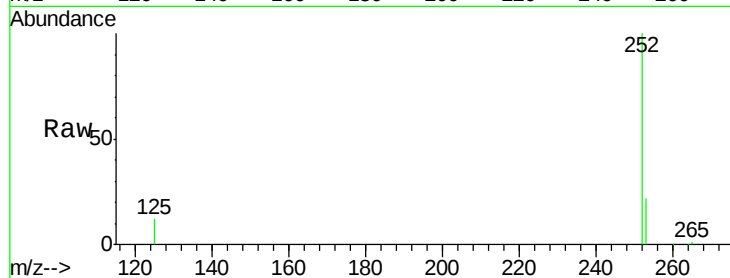
Tgt Ion:252 Resp: 18465

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

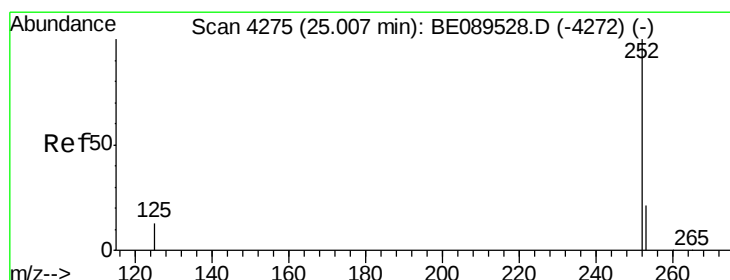
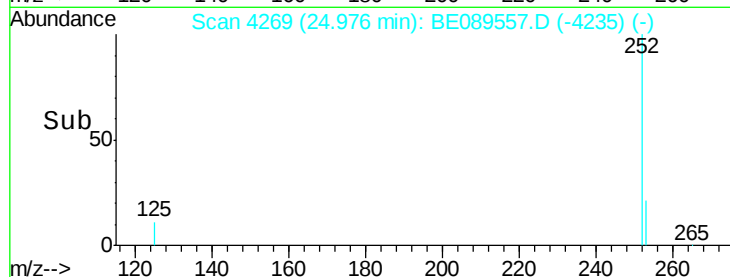
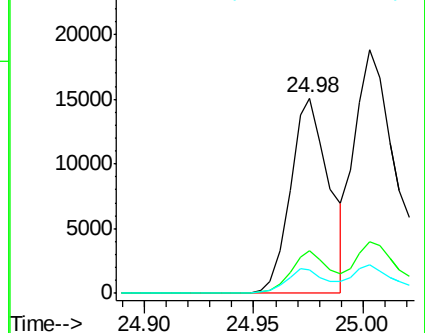
125 11.7 10.4 15.6



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: 0.96 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

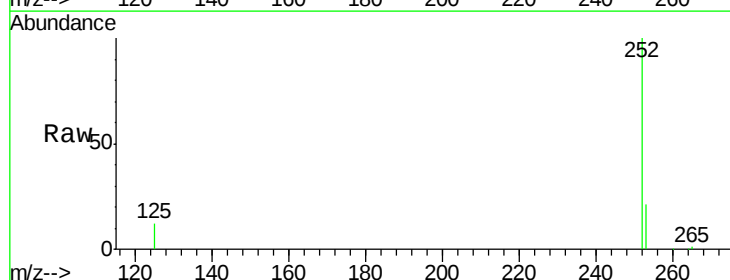
Tgt Ion:252 Resp: 29780

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

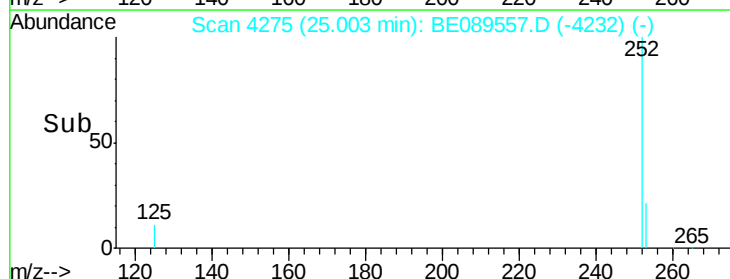
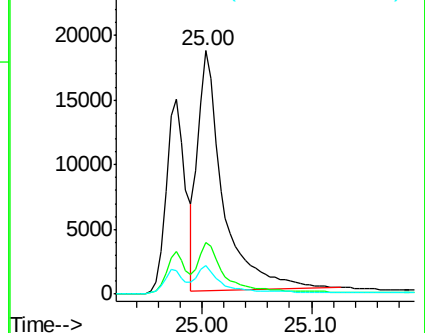
125 11.7 10.6 15.8



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: 0.77 ng

RT: 25.34 min Scan# 4350

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDICC002

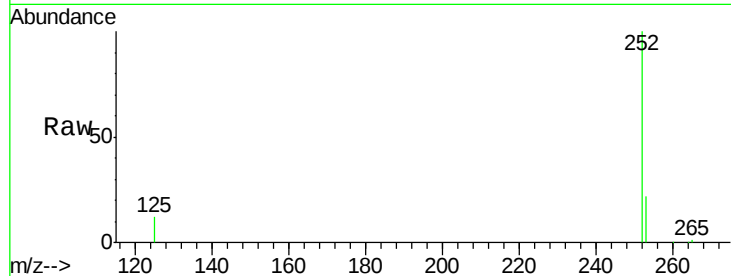
Tgt Ion: 252 Resp: 18944

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 12.3 11.4 17.2

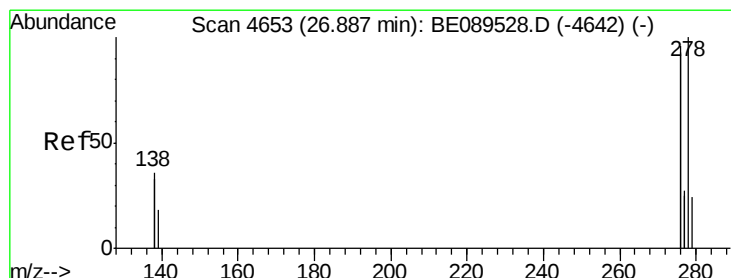
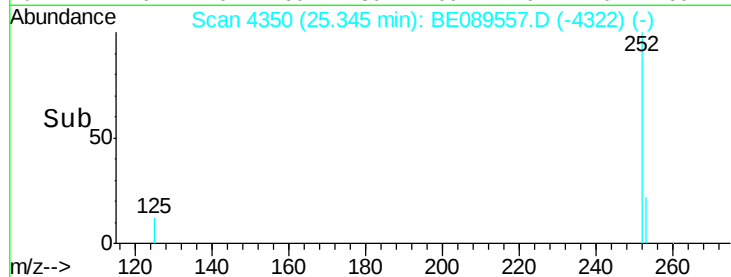
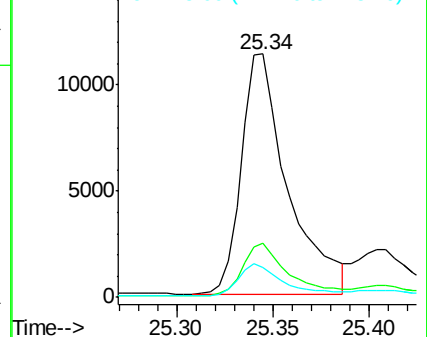


Abundance

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: 0.72 ng

RT: 26.88 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BE089557.D

Acq: 7 Feb 2015 12:00

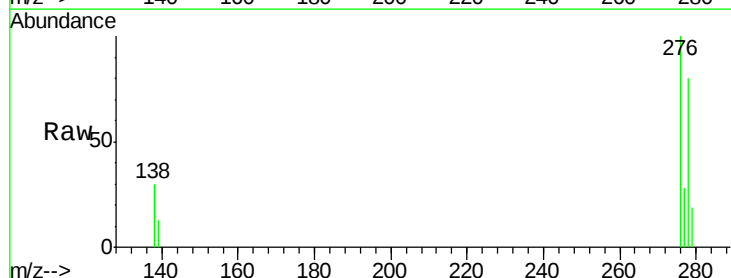
Tgt Ion: 278 Resp: 21807

Ion Ratio Lower Upper

278 100

139 16.4 15.7 23.5

279 23.9 19.5 29.3

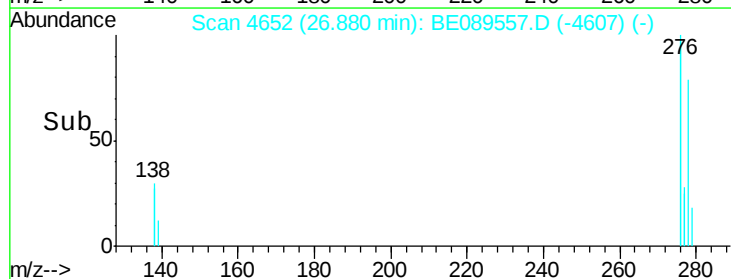
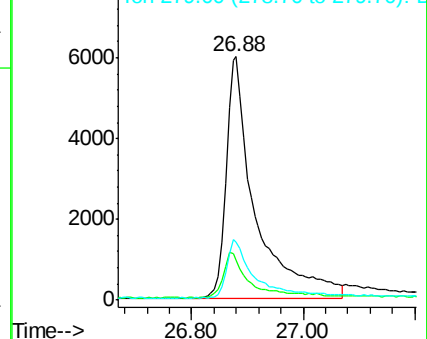


Abundance

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: 0.82 ng

RT: 27.27 min Scan# 4712

Delta R.T. -0.01 min

Lab File: BE089557.D

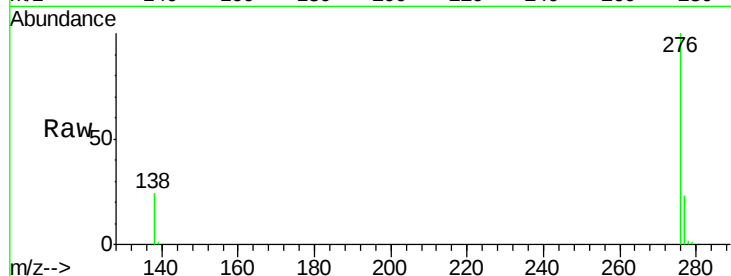
Acq: 7 Feb 2015 12:00

Instrument :

BNA_E

LabSampleId :

SSTDIC002



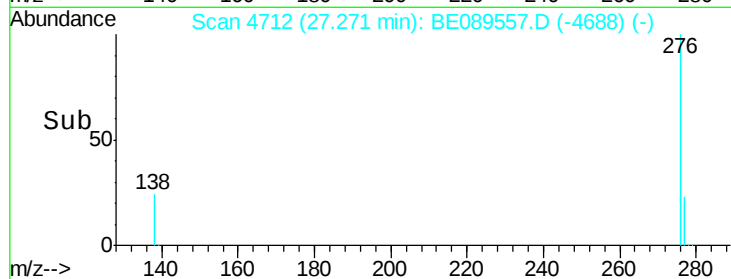
Tgt Ion: 276 Resp: 101497

Ion Ratio Lower Upper

276 100

277 22.8 18.6 27.8

138 24.5 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

