

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089558.D
 Acq On : 10 Feb 2015 20:25
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

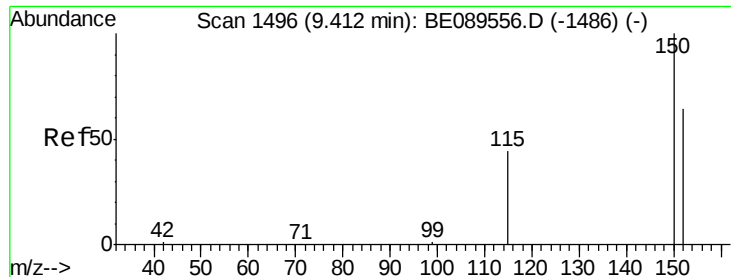
Quant Time: Feb 11 01:20:03 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 01:08:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	42199	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	149263	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	54236	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	99042	5.00	ng	0.00
16) Chrysene-d12	23.71	240	133343	5.00	ng	0.00
22) Perylene-d12	25.41	264	146423	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.68	82	54745	6.14	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	73918	5.62	ng	0.00
18) Terphenyl-d14	22.35	244	83037	4.61	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.37	128	164432	5.13	ng	99
5) 2-Methylnaphthalene	14.02	142	92573	4.94	ng	99
8) Acenaphthylene	16.15	152	493829	5.85	ng	100
9) Acenaphthene	16.58	154	72109	5.36	ng	96
10) Fluorene	17.83	166	78550	5.40	ng	99
12) Pentachlorophenol	19.51	266	6208	2.34	ng	92
13) Phenanthrene	19.88	178	120493	5.38	ng	100
14) Anthracene	19.97	178	114907	5.99	ng	99
15) Fluoranthene	21.78	202	128729	6.44	ng	100
17) Pyrene	22.10	202	141172	5.02	ng	100
19) Benzo(a)anthracene	23.70	228	589894	5.61	ng	100
20) Chrysene	23.74	228	612512	5.37	ng	99
21) Indeno(1,2,3-cd)pyrene	26.84	276	828302	8.58	ng	97
23) Benzo(b)fluoranthene	24.97	252	135909	6.26	ng	98
24) Benzo(k)fluoranthene	25.00	252	201130	5.82	ng	99
25) Benzo(a)pyrene	25.34	252	145838	6.57	ng	99
26) Dibenzo(a,h)anthracene	26.87	278	176332	7.76	ng	95
27) Benzo(g,h,i)perylene	27.27	276	703185	6.87	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.41 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089558.D

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BNA_E

LabSampleId :

SSTDIC005

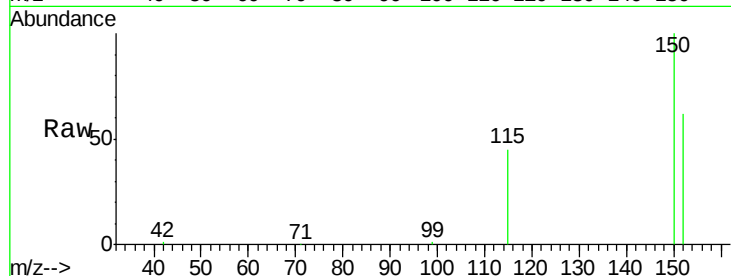
Tgt Ion:152 Resp: 42199

Ion Ratio Lower Upper

152 100

150 160.4 125.6 188.4

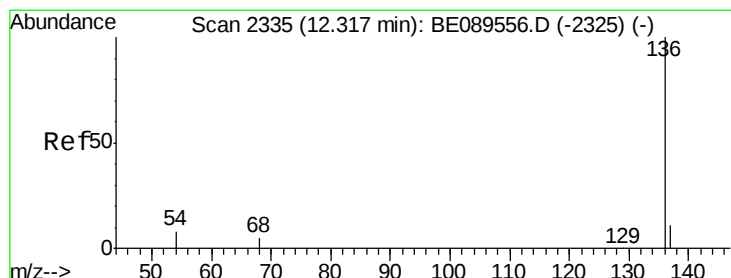
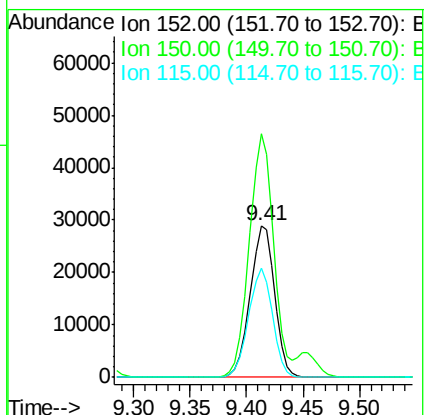
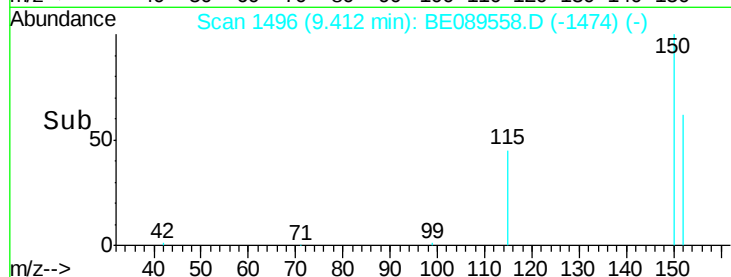
115 72.1 55.8 83.6



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: 12.32 min Scan# 2336

Delta R.T. 0.01 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

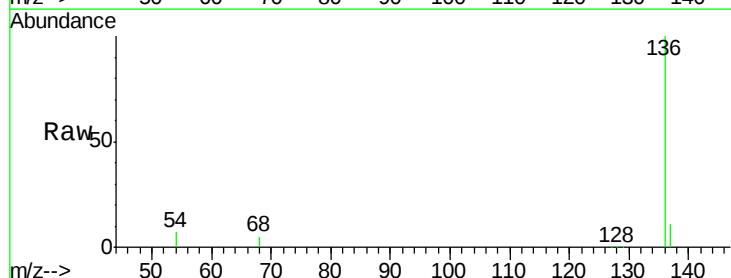
Tgt Ion:136 Resp: 149263

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

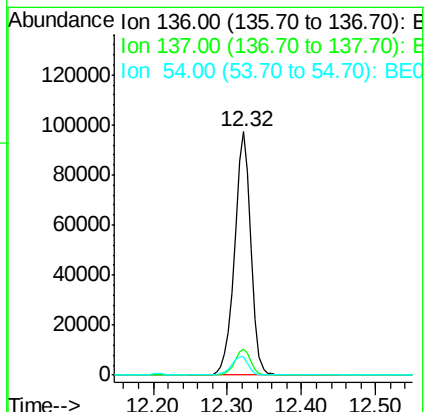
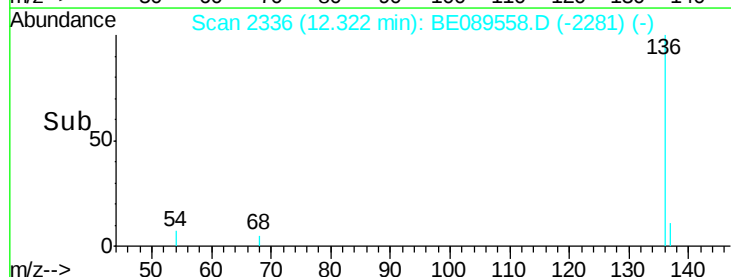
54 7.3 6.6 9.8

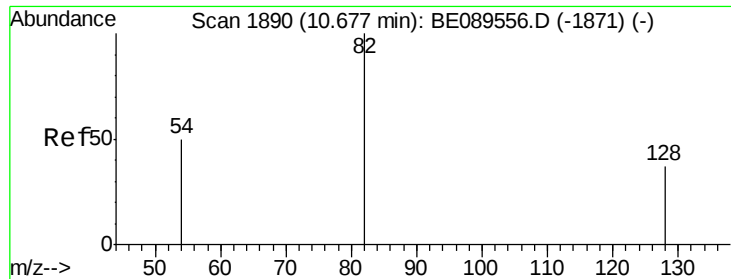


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 6.14 ng

RT: 10.68 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

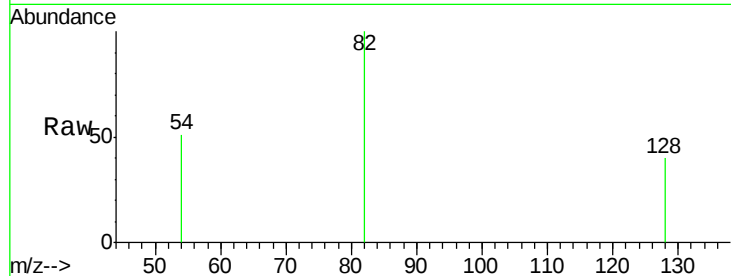
Tgt Ion: 82 Resp: 54745

Ion Ratio Lower Upper

82 100

128 39.8 30.4 45.6

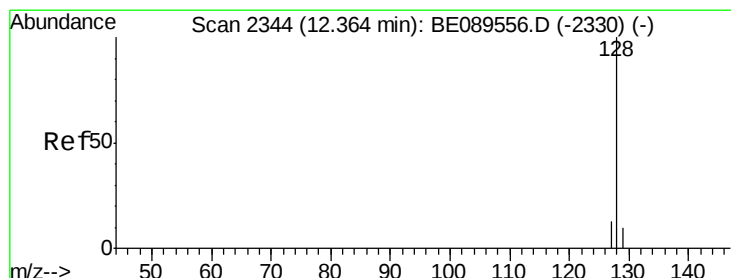
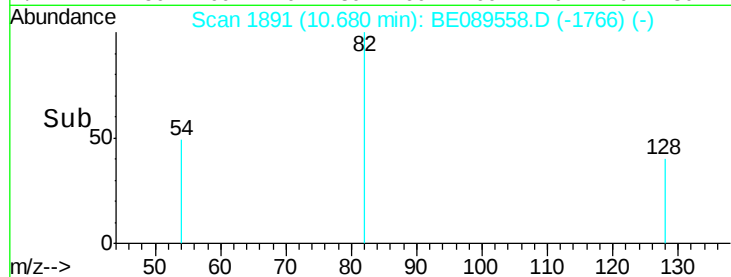
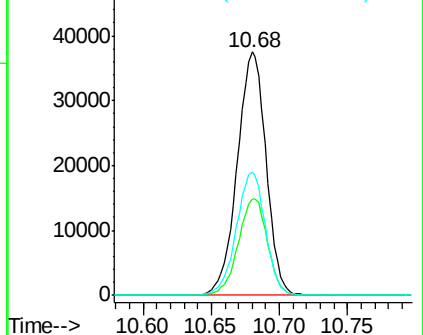
54 50.6 40.7 61.1



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



#4

Naphthalene

Concen: 5.13 ng

RT: 12.37 min Scan# 2345

Delta R.T. 0.01 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

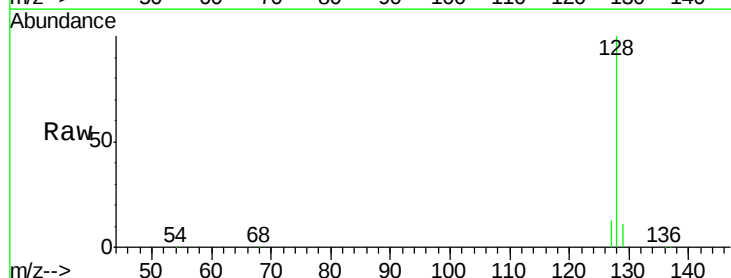
Tgt Ion: 128 Resp: 164432

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

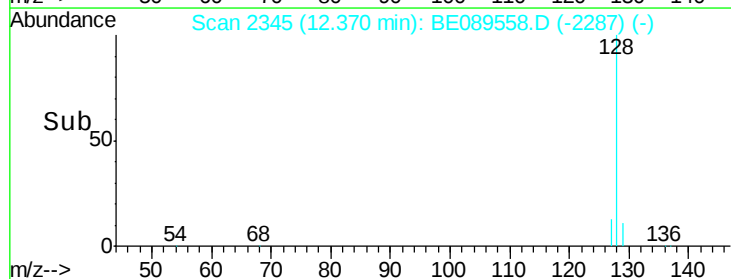
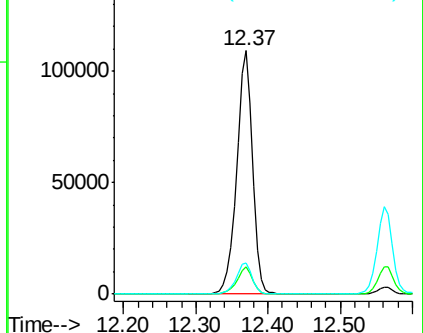
127 12.8 10.6 15.8

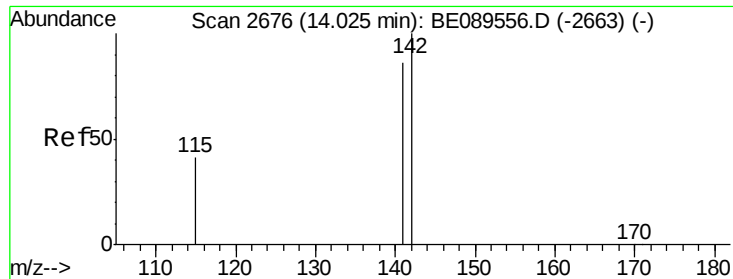


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 4.94 ng

RT: 14.02 min Scan# 2676

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

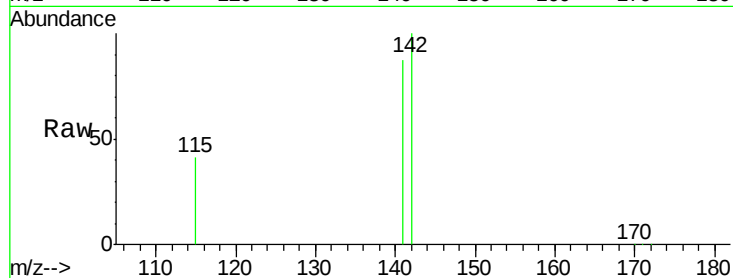
Tgt Ion:142 Resp: 92573

Ion Ratio Lower Upper

142 100

141 86.8 68.6 102.8

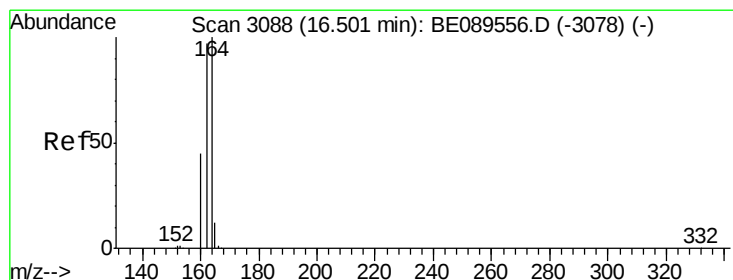
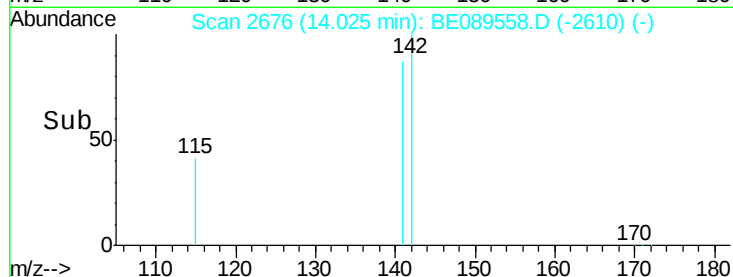
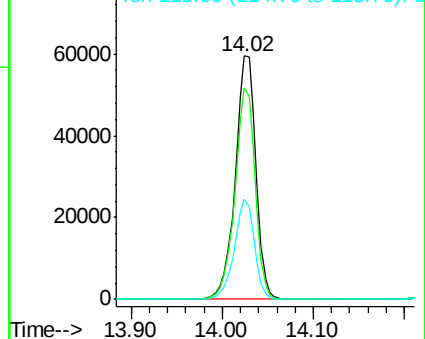
115 40.9 33.0 49.6



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: 16.50 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

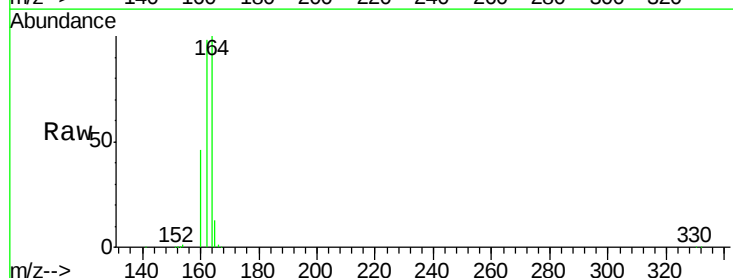
Tgt Ion:164 Resp: 54236

Ion Ratio Lower Upper

164 100

162 98.1 77.8 116.6

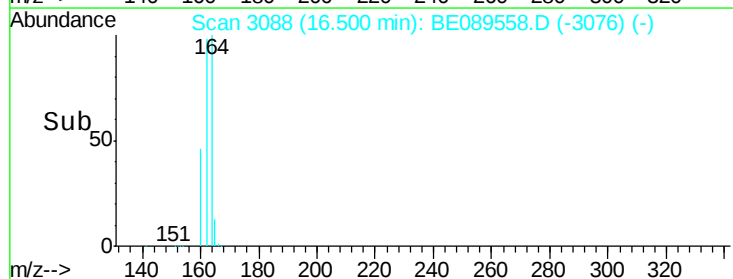
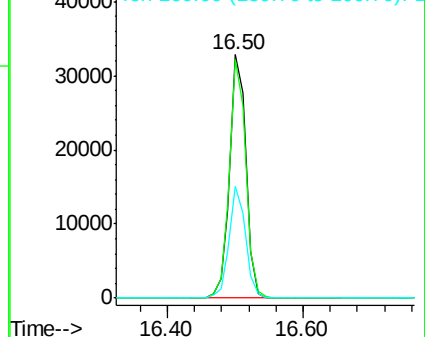
160 46.0 36.2 54.2

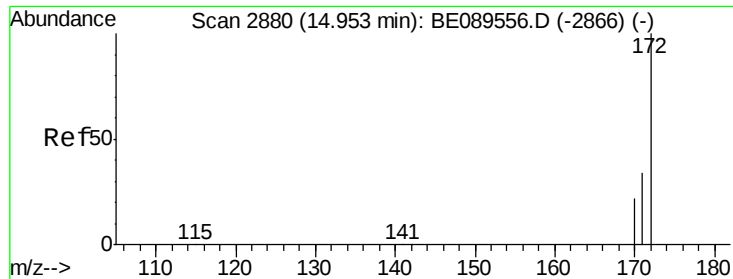


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 5.62 ng

RT: 14.95 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

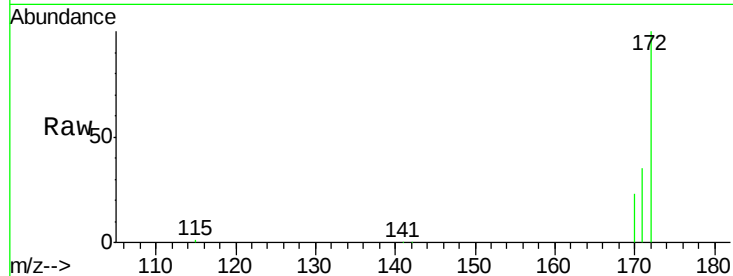
Tgt Ion:172 Resp: 73918

Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.0

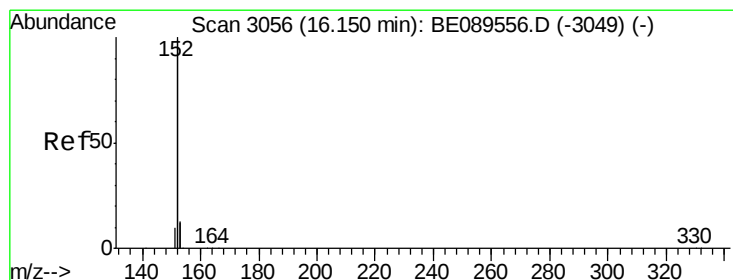
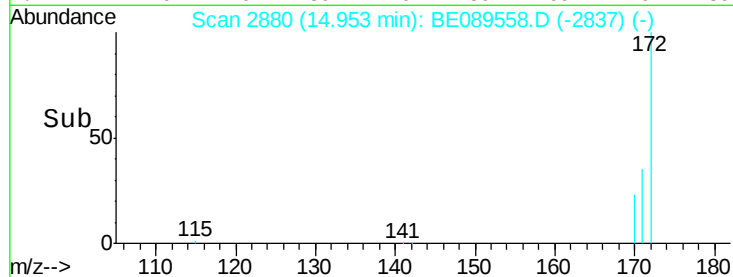
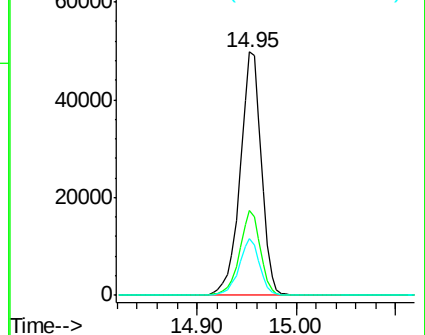
170 23.2 18.3 27.5



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: 5.85 ng

RT: 16.15 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

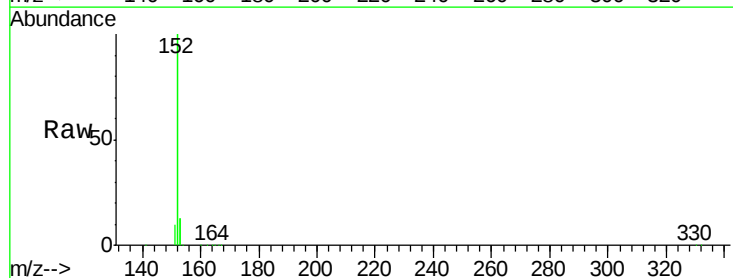
Tgt Ion:152 Resp: 493829

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

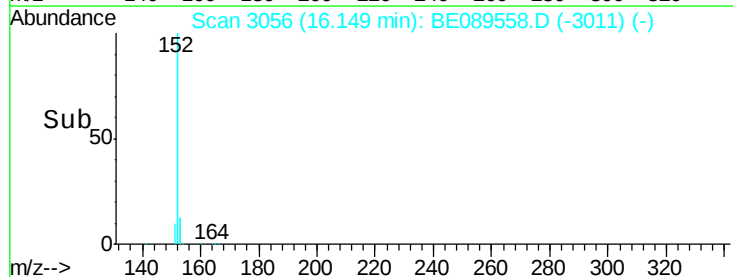
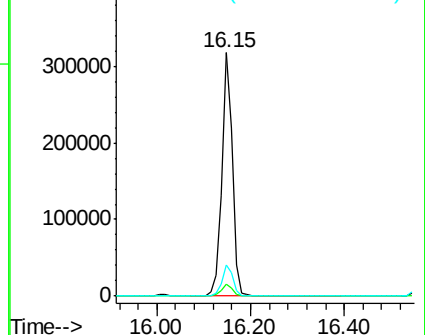
153 12.8 10.4 15.6

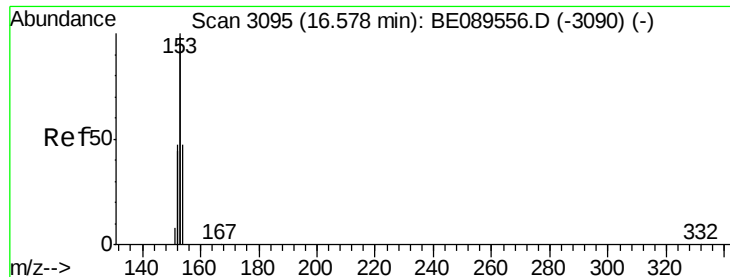


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 5.36 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

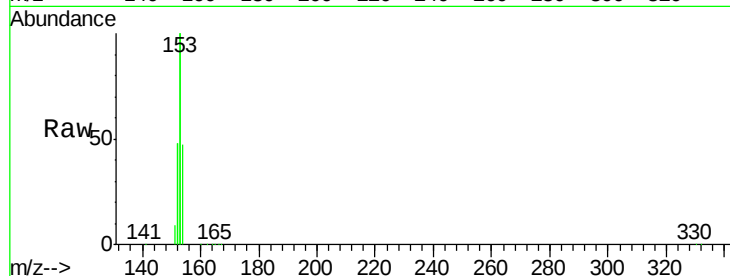
Tgt Ion:154 Resp: 72109

Ion Ratio Lower Upper

154 100

153 429.6 349.0 523.4

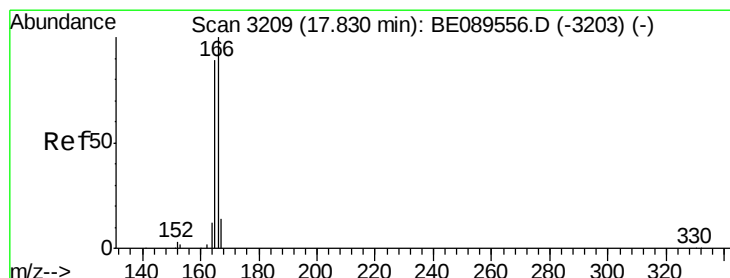
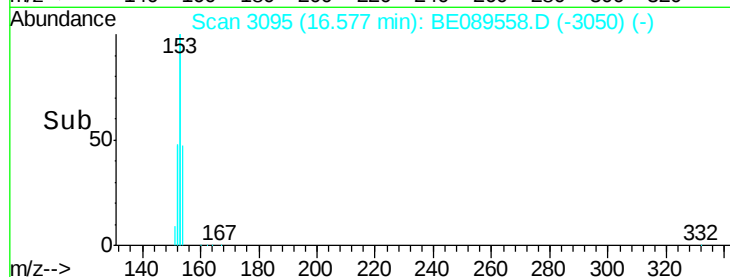
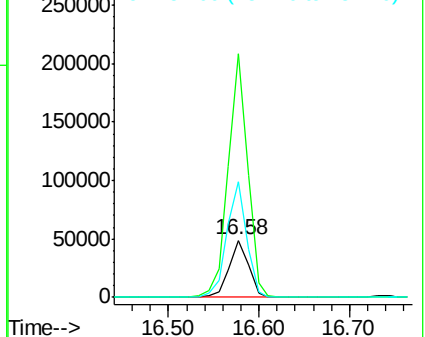
152 206.5 173.0 259.4



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: 5.40 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

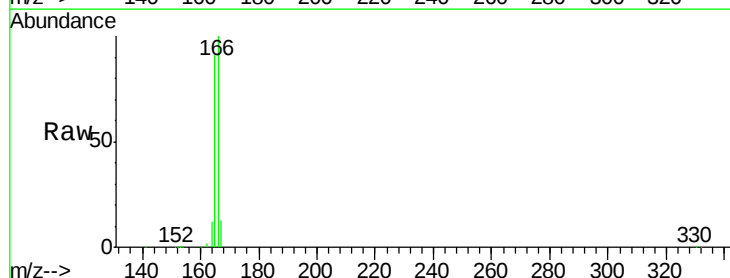
Tgt Ion:166 Resp: 78550

Ion Ratio Lower Upper

166 100

165 92.7 75.1 112.7

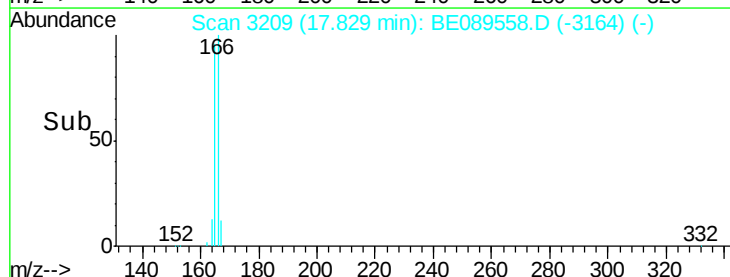
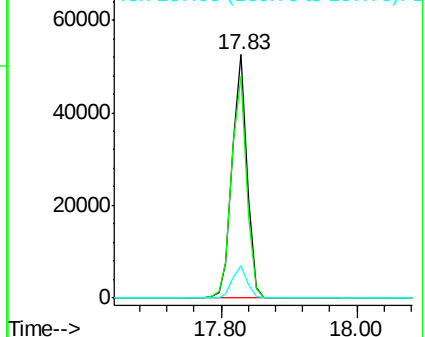
167 13.2 10.6 16.0

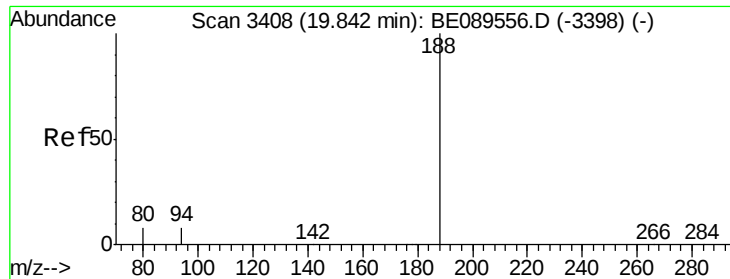


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

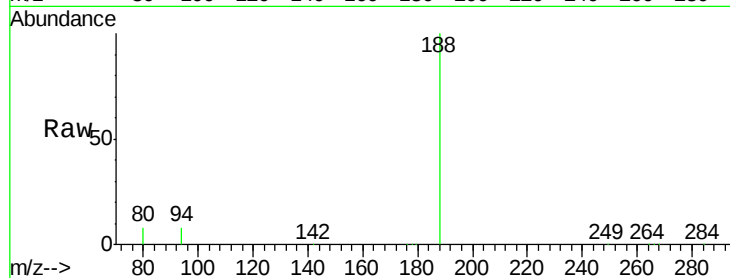




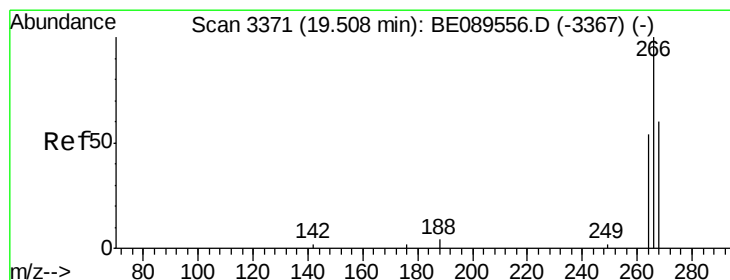
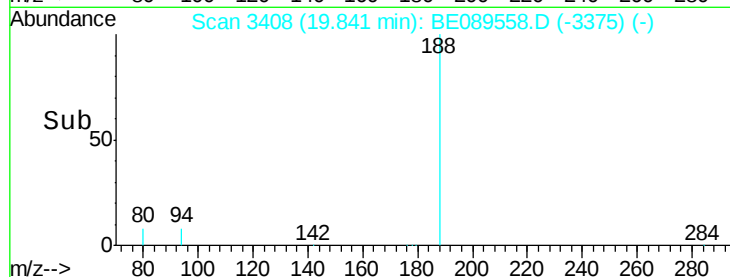
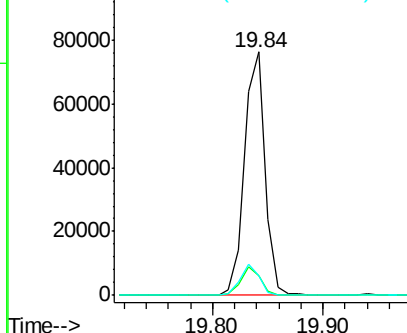
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.00 min
Lab File: BE089558.D
Acq: 10 Feb 2015 20:25

Instrument :
BNA_E
LabSampleId :
SSTDIC005

Tgt Ion:188 Resp: 99042
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 8.1 6.4 9.6

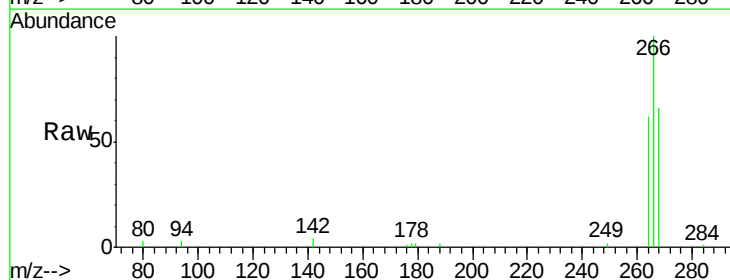


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

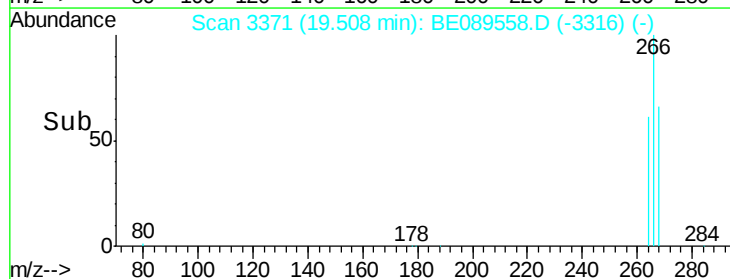
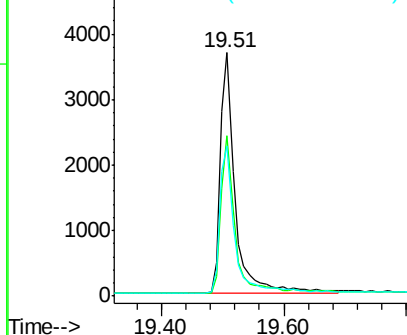


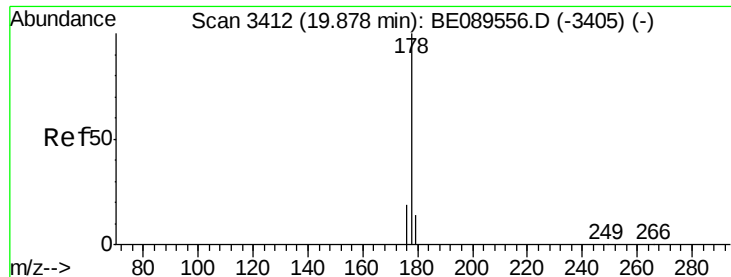
#12
Pentachlorophenol
Concen: 2.34 ng
RT: 19.51 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BE089558.D
Acq: 10 Feb 2015 20:25

Tgt Ion:266 Resp: 6208
Ion Ratio Lower Upper
266 100
268 66.1 57.9 86.9
264 61.6 54.6 81.8



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





#13

Phenanthrene

Concen: 5.38 ng

RT: 19.88 min Scan# 3412

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

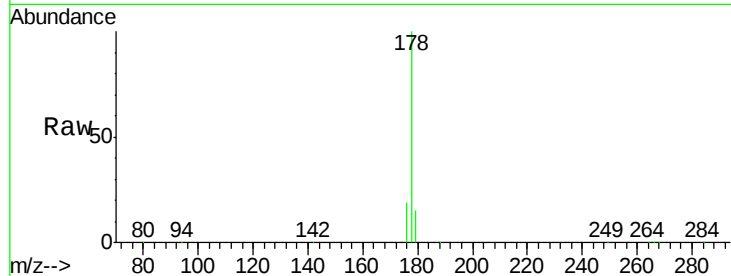
Tgt Ion:178 Resp: 120493

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

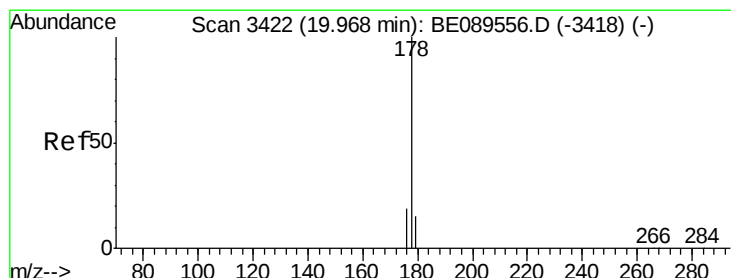
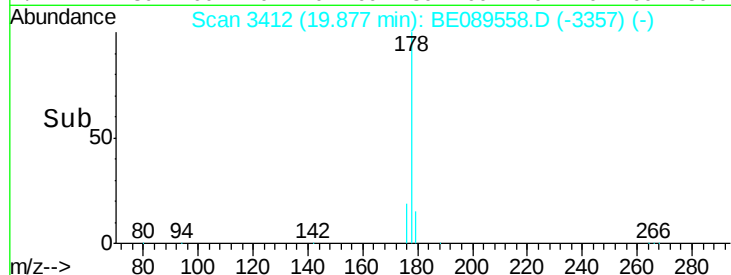
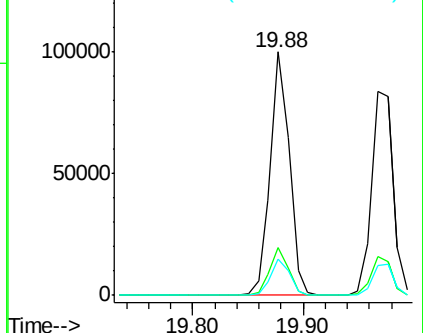
179 15.0 12.1 18.1



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: 5.99 ng

RT: 19.97 min Scan# 3422

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

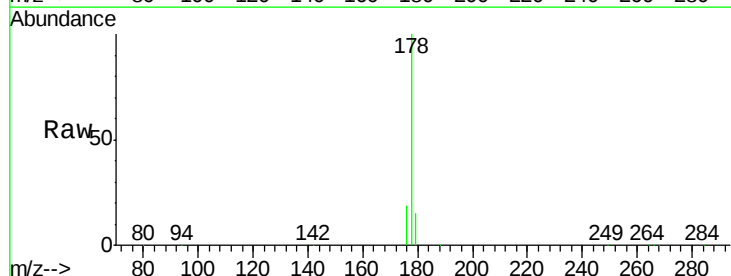
Tgt Ion:178 Resp: 114907

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

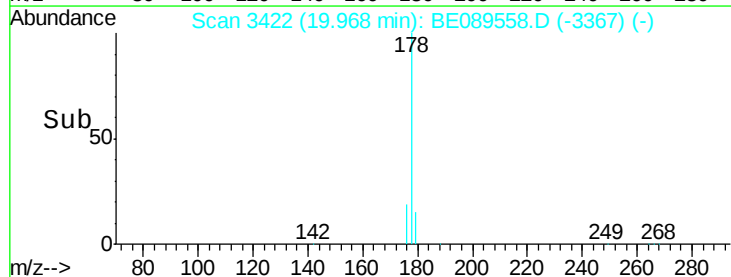
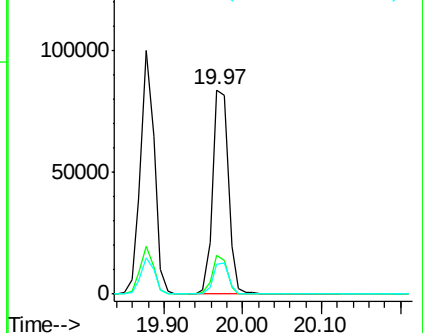
179 15.1 12.7 19.1

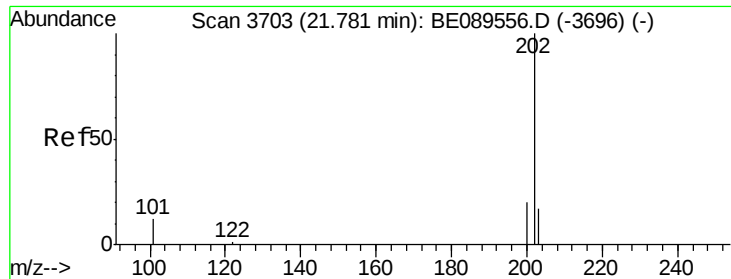


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

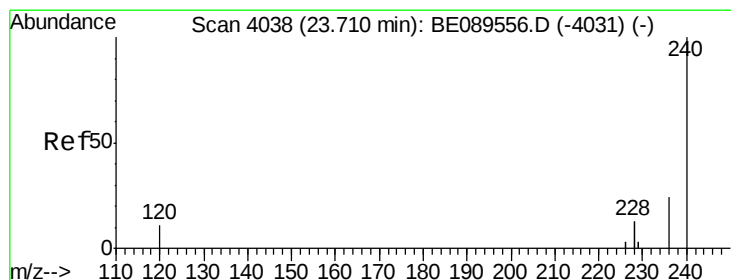
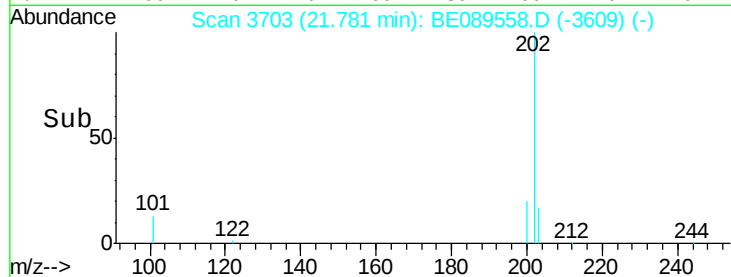
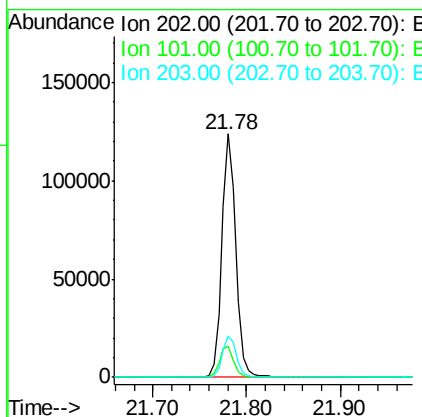
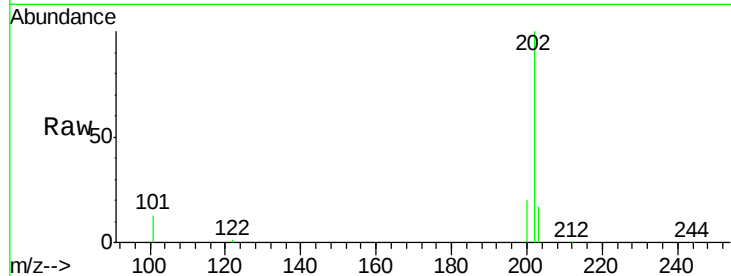




#15
 Fluoranthene
 Concen: 6.44 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: BE089558.D
 Acq: 10 Feb 2015 20:25

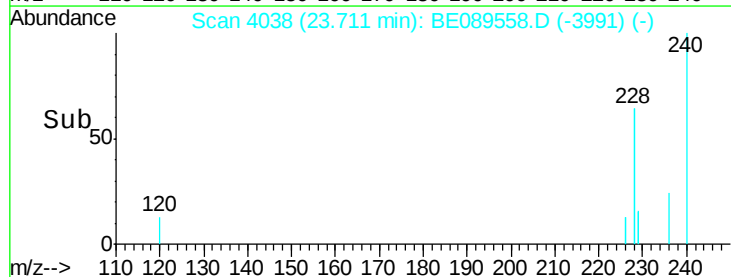
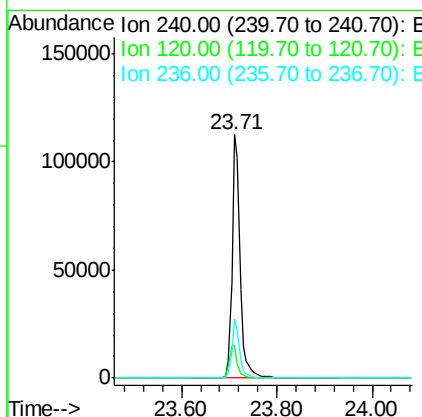
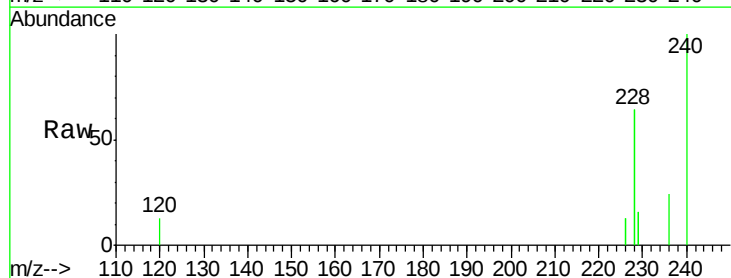
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

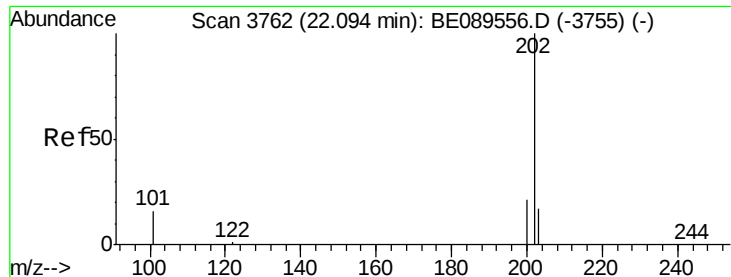
Tgt Ion: 202 Resp: 128729
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.4 15.6
 203 17.3 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: BE089558.D
 Acq: 10 Feb 2015 20:25

Tgt Ion: 240 Resp: 133343
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.3 13.9
 236 24.5 19.3 28.9





#17

Pyrene

Concen: 5.02 ng

RT: 22.10 min Scan# 3763

Delta R.T. 0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

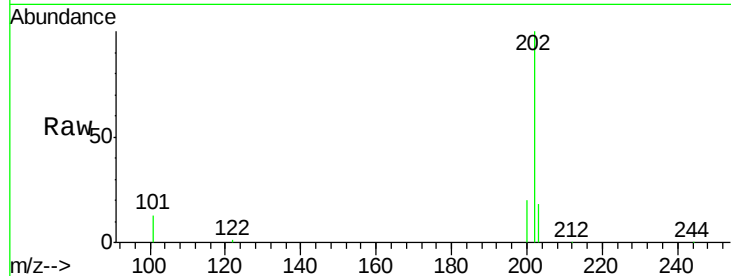
Tgt Ion:202 Resp: 141172

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

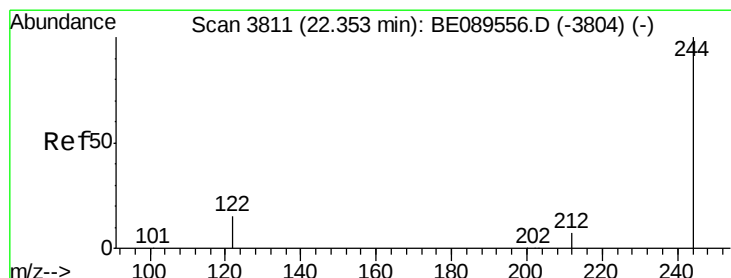
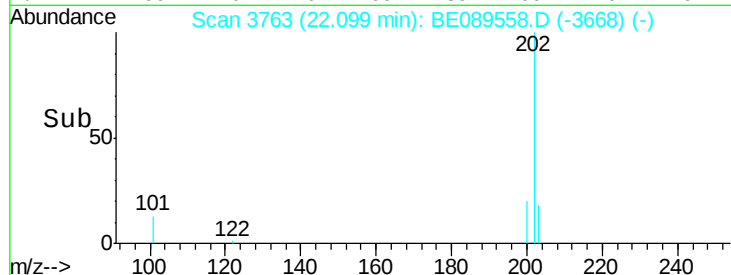
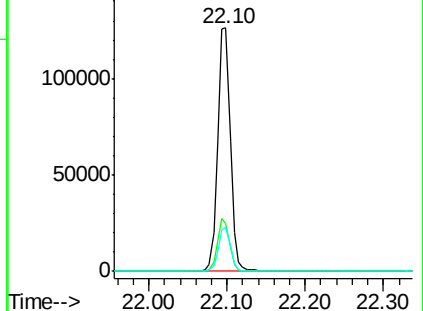
203 17.3 14.2 21.2



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: 4.61 ng

RT: 22.35 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

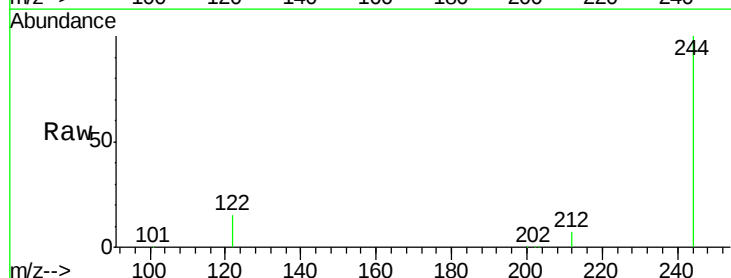
Tgt Ion:244 Resp: 83037

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

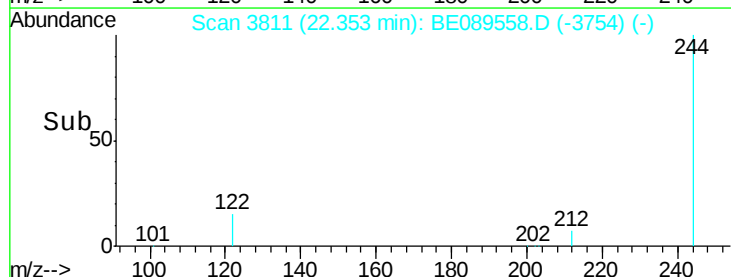
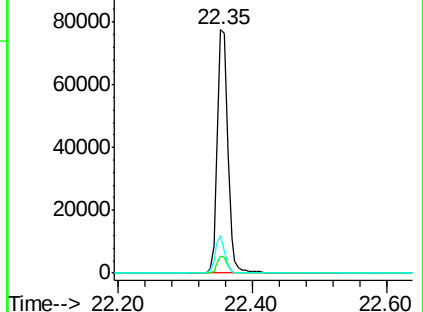
122 15.4 12.2 18.2

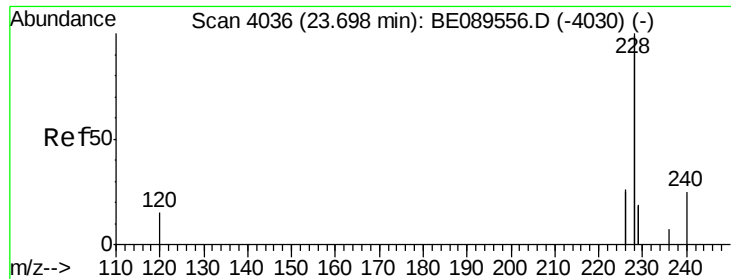


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 5.61 ng

RT: 23.70 min Scan# 4036

Delta R.T. 0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

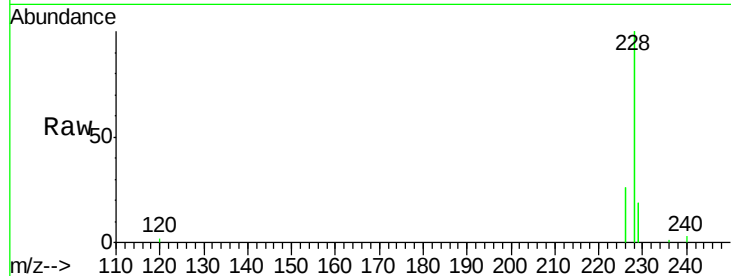
Tgt Ion:228 Resp: 589894

Ion Ratio Lower Upper

228 100

226 26.4 21.0 31.4

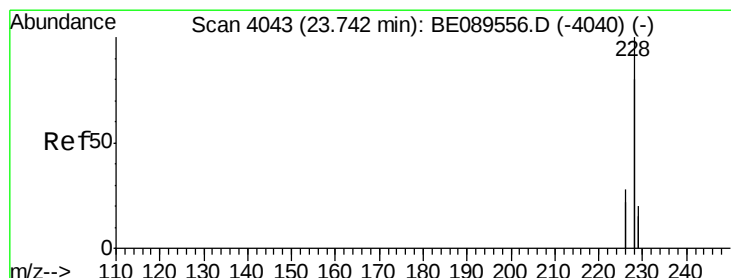
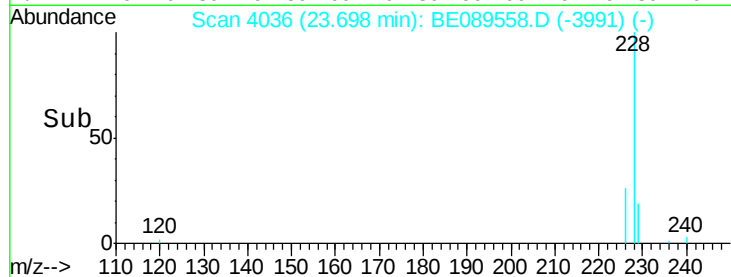
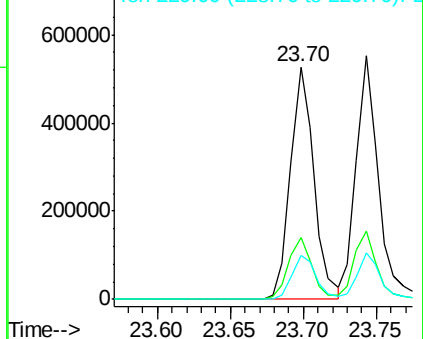
229 18.9 15.2 22.8



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: 5.37 ng

RT: 23.74 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

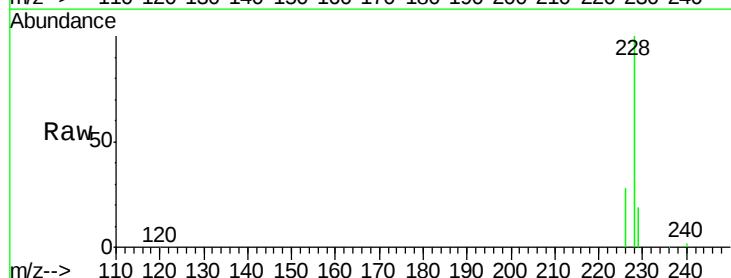
Tgt Ion:228 Resp: 612512

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

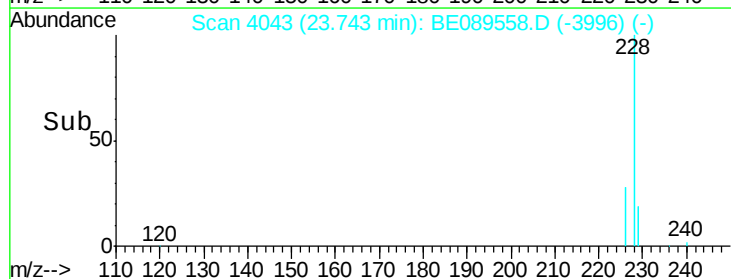
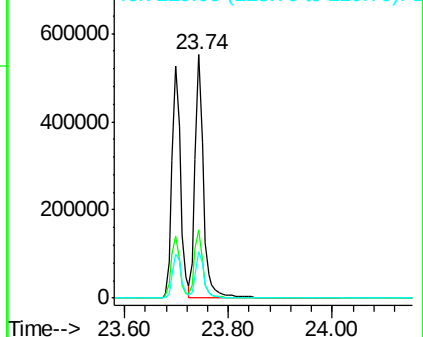
229 19.0 15.6 23.4

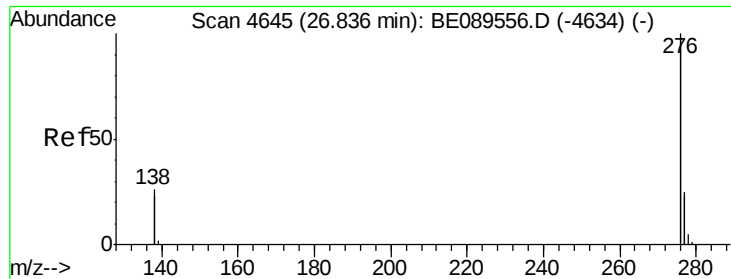


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

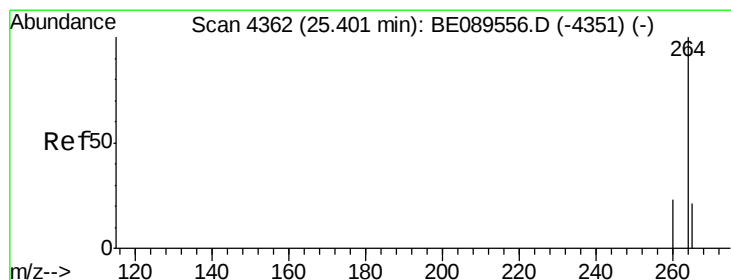
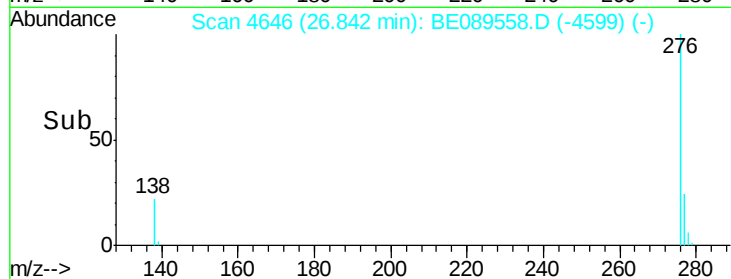
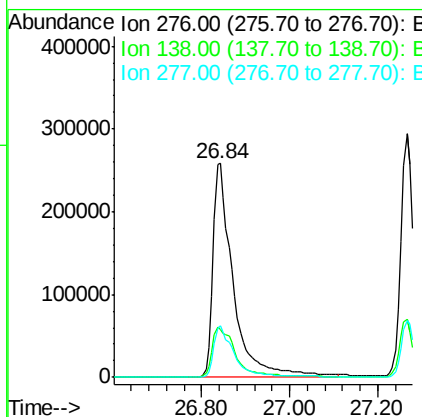
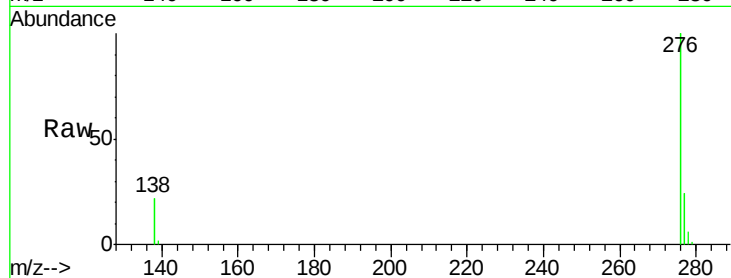




#21
Indeno(1,2,3-cd)pyrene
Concen: 8.58 ng
RT: 26.84 min Scan# 4646
Delta R.T. 0.01 min
Lab File: BE089558.D
Acq: 10 Feb 2015 20:25

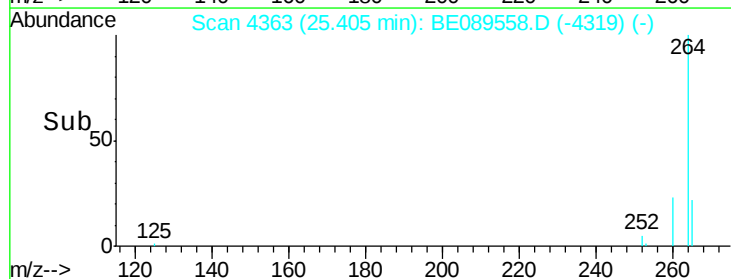
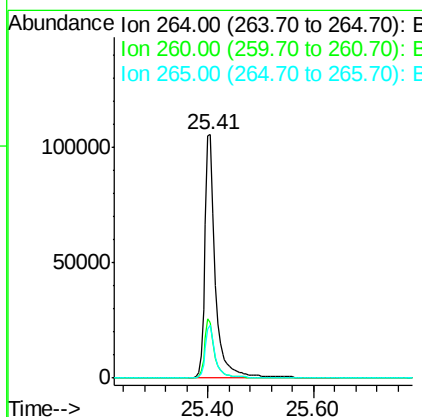
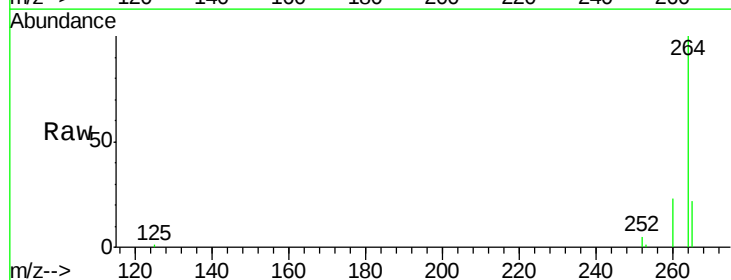
Instrument :
BNA_E
LabSampleId :
SSTDIC005

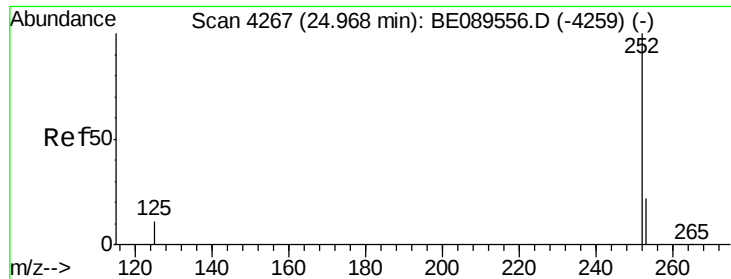
Tgt Ion: 276 Resp: 828302
Ion Ratio Lower Upper
276 100
138 27.8 20.2 30.4
277 24.9 19.6 29.4



#22
Perylene-d12
Concen: 5.00 ng
RT: 25.41 min Scan# 4363
Delta R.T. 0.00 min
Lab File: BE089558.D
Acq: 10 Feb 2015 20:25

Tgt Ion: 264 Resp: 146423
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.9 16.8 25.2





#23

Benzo(b)fluoranthene

Concen: 6.26 ng

RT: 24.97 min Scan# 4267

Delta R.T. -0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDIC005

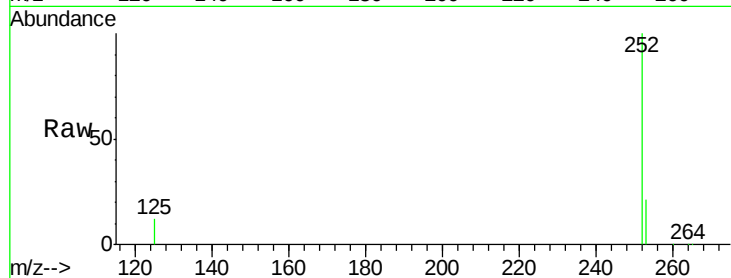
Tgt Ion:252 Resp: 135909

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

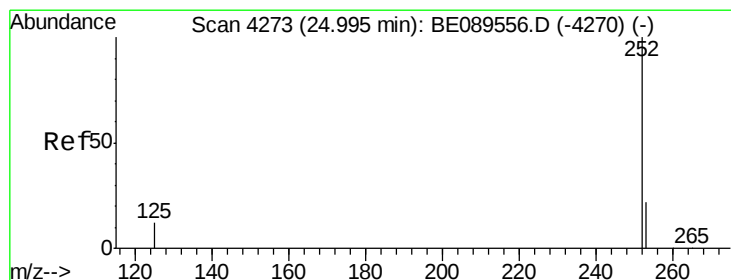
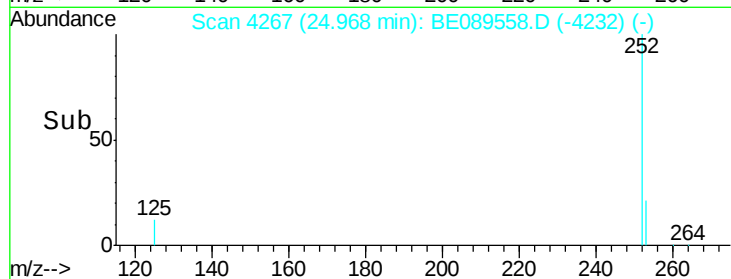
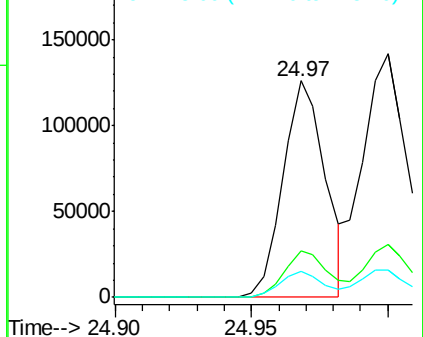
125 11.9 9.3 13.9



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: 5.82 ng

RT: 25.00 min Scan# 4274

Delta R.T. 0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

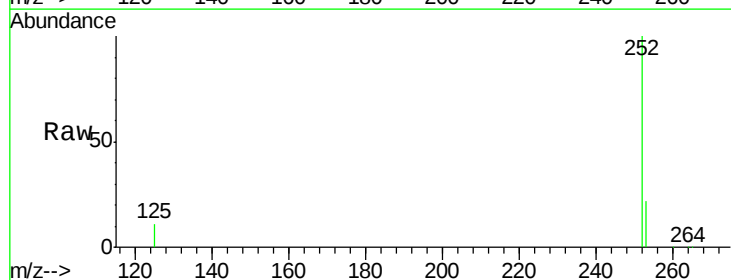
Tgt Ion:252 Resp: 201130

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

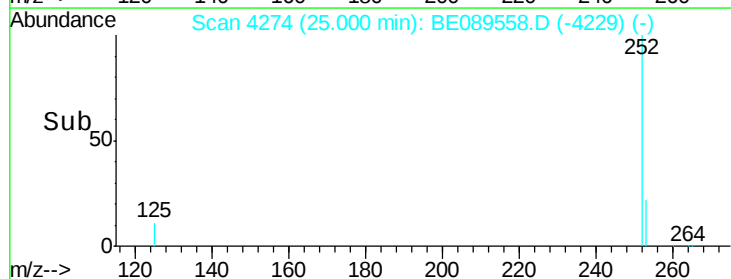
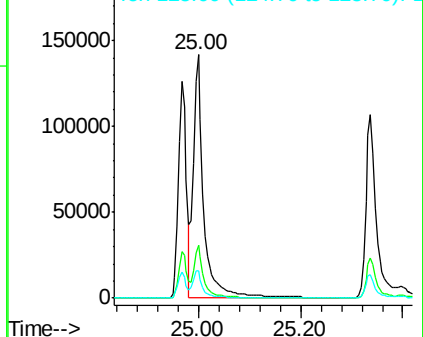
125 11.3 9.6 14.4

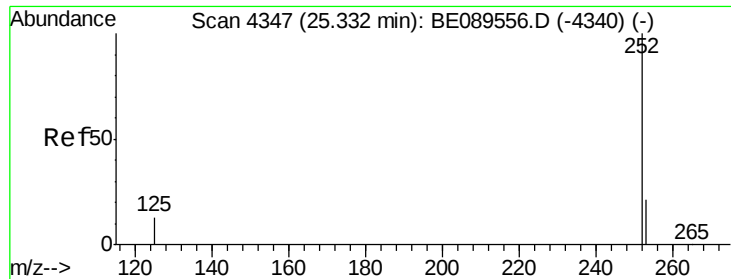


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 6.57 ng

RT: 25.34 min Scan# 4348

Delta R.T. 0.00 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

Instrument :

BNA_E

LabSampleId :

SSTDICC005

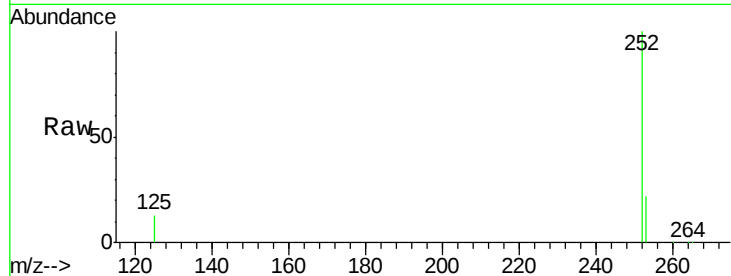
Tgt Ion:252 Resp: 145838

Ion Ratio Lower Upper

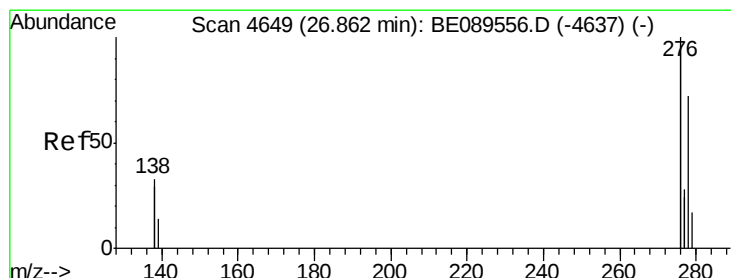
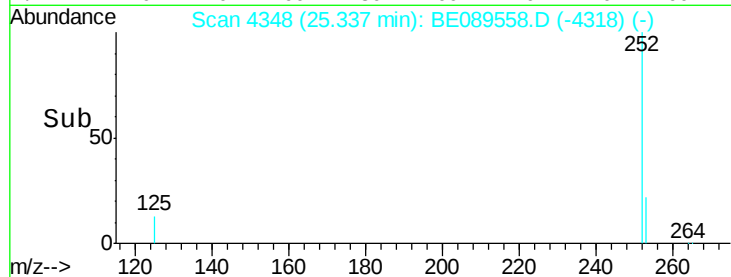
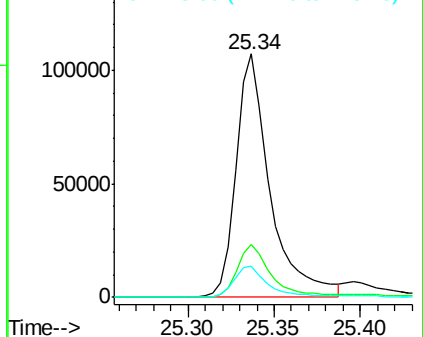
252 100

253 21.8 17.4 26.0

125 12.7 11.1 16.7



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: 7.76 ng

RT: 26.87 min Scan# 4650

Delta R.T. 0.01 min

Lab File: BE089558.D

Acq: 10 Feb 2015 20:25

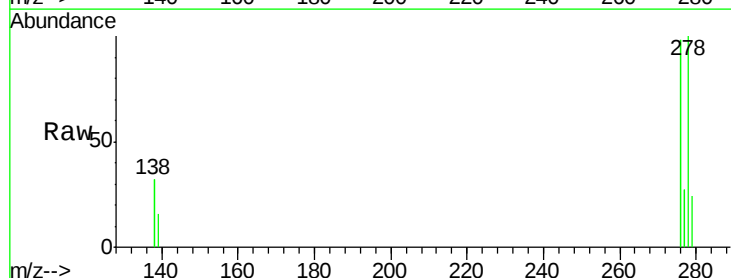
Tgt Ion:278 Resp: 176332

Ion Ratio Lower Upper

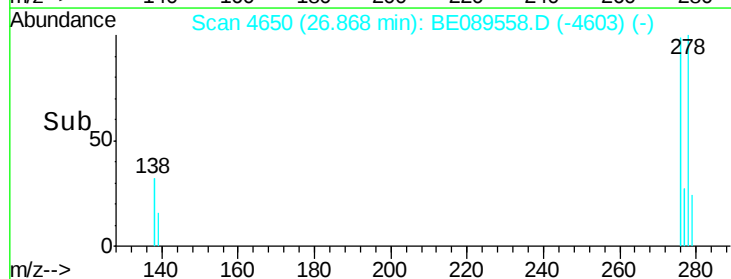
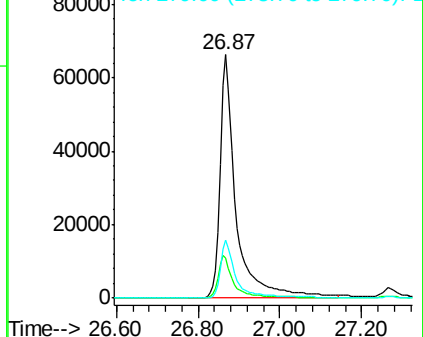
278 100

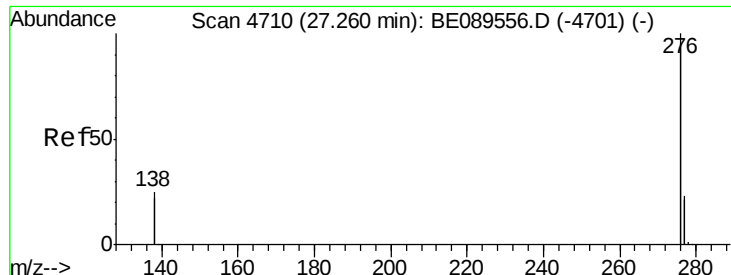
139 16.3 16.1 24.1

279 23.7 19.6 29.4



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

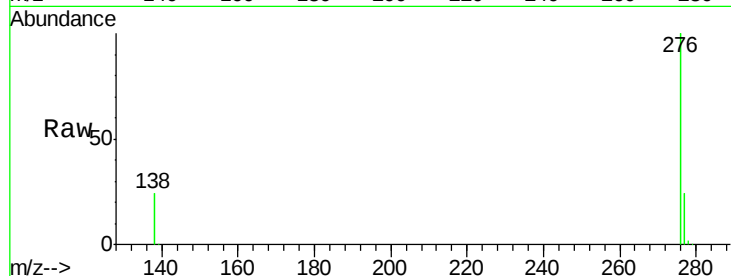




#27
 Benzo(g,h,i)perylene
 Concen: 6.87 ng
 RT: 27.27 min Scan# 4711
 Delta R.T. 0.01 min
 Lab File: BE089558.D
 Acq: 10 Feb 2015 20:25

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	23.7	19.7	29.5



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

