

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089557.D
 Acq On : 10 Feb 2015 19:46
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 11 01:19:39 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	9.42	152	36870	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	130614	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	46281	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	80478	5.00	ng	0.00
16) Chrysene-d12	23.71	240	109751	5.00	ng	0.00
22) Perylene-d12	25.40	264	123773	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	18159	2.33	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	26645	2.37	ng	0.00
18) Terphenyl-d14	22.36	244	26948	1.82	ng	0.00

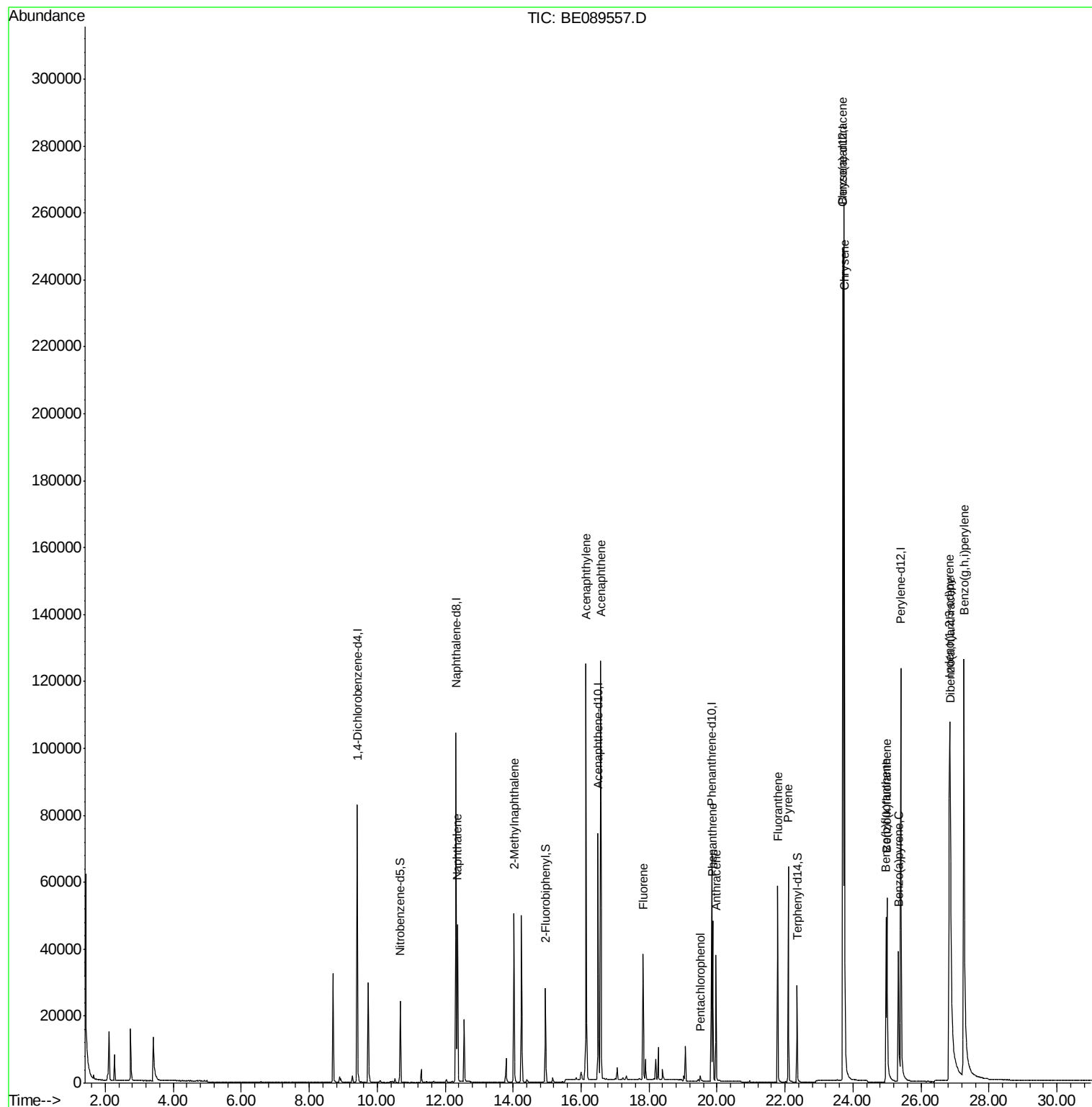
Target Compounds					Qvalue	
4) Naphthalene	12.36	128	59452	2.12	ng	100
5) 2-Methylnaphthalene	14.03	142	32847	2.00	ng	99
8) Acenaphthylene	16.15	152	169864	2.36	ng	99
9) Acenaphthene	16.58	154	25309	2.21	ng	98
10) Fluorene	17.83	166	26657	2.15	ng	98
12) Pentachlorophenol	19.51	266	1179	0.55	ng	94
13) Phenanthrene	19.88	178	40777	2.24	ng	100
14) Anthracene	19.97	178	36565	2.35	ng	99
15) Fluoranthene	21.78	202	41239	2.54	ng	100
17) Pyrene	22.10	202	45559	1.97	ng	99
19) Benzo(a)anthracene	23.70	228	189984	2.19	ng	99
20) Chrysene	23.74	228	211891	2.25	ng	99
21) Indeno(1,2,3-cd)pyrene	26.83	276	263433	3.32	ng	97
23) Benzo(b)fluoranthene	24.97	252	40913	2.23	ng	99
24) Benzo(k)fluoranthene	25.00	252	69594	2.38	ng	99
25) Benzo(a)pyrene	25.34	252	44458	2.37	ng	98
26) Dibenzo(a,h)anthracene	26.86	278	55659	2.90	ng	97
27) Benzo(g,h,i)perylene	27.26	276	233125	2.69	ng	99

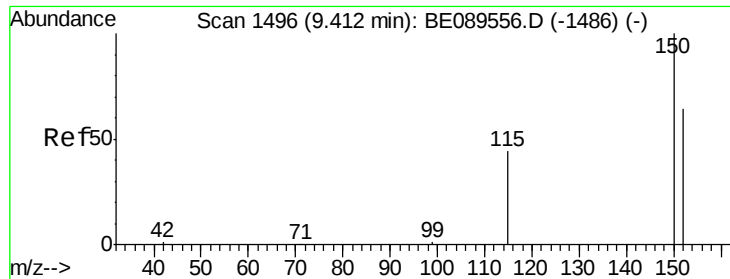
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDICC002

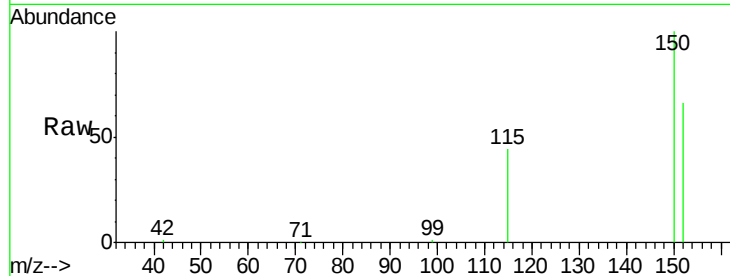
Tgt Ion:152 Resp: 36870

Ion Ratio Lower Upper

152 100

150 151.1 125.6 188.4

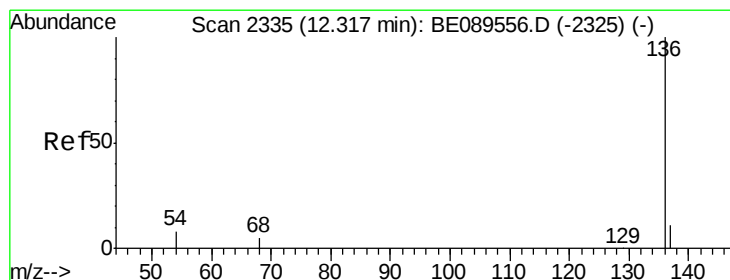
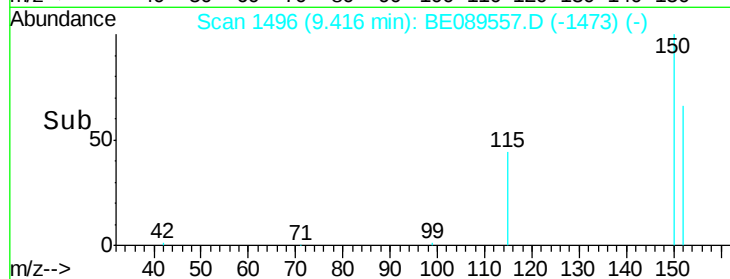
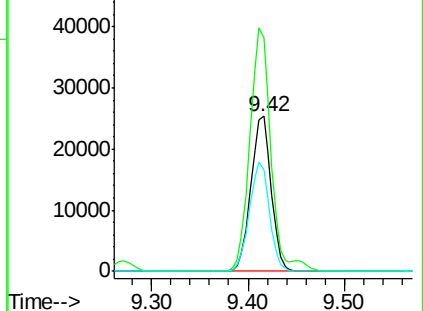
115 65.9 55.8 83.6



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# 2335

Delta R.T. 0.01 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

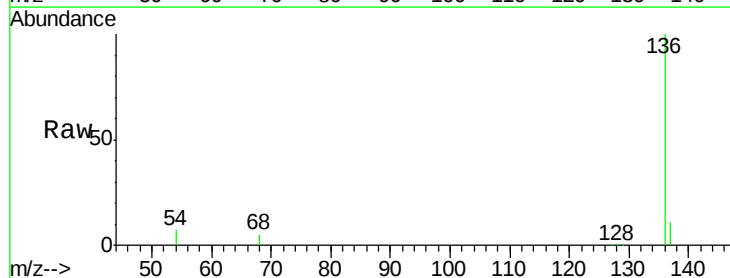
Tgt Ion:136 Resp: 130614

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

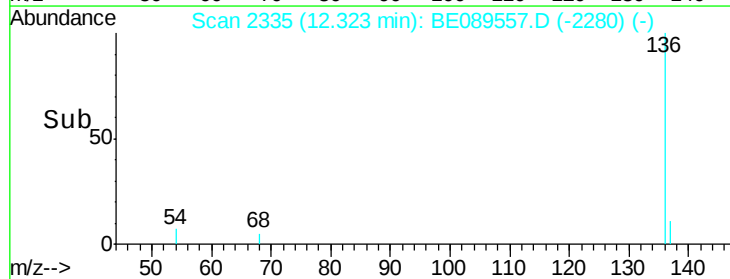
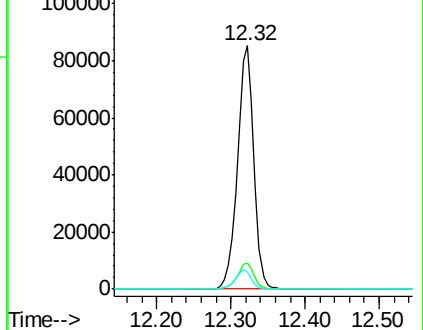
54 6.9 6.6 9.8

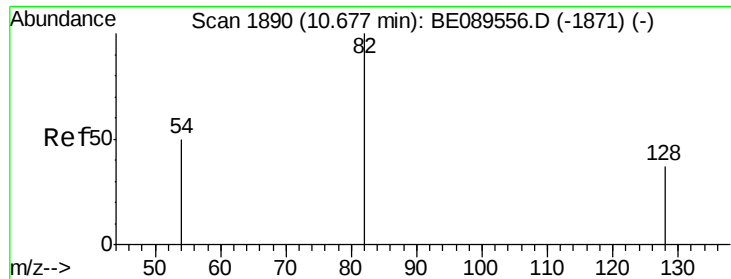


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 2.33 ng

RT: 10.68 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDIC002

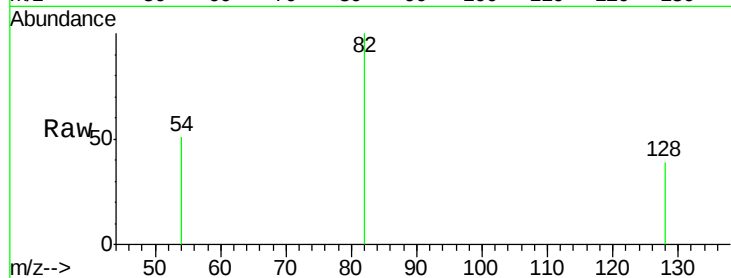
Tgt Ion: 82 Resp: 18159

Ion Ratio Lower Upper

82 100

128 39.5 30.4 45.6

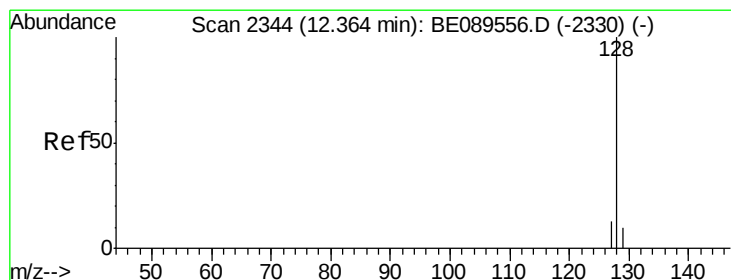
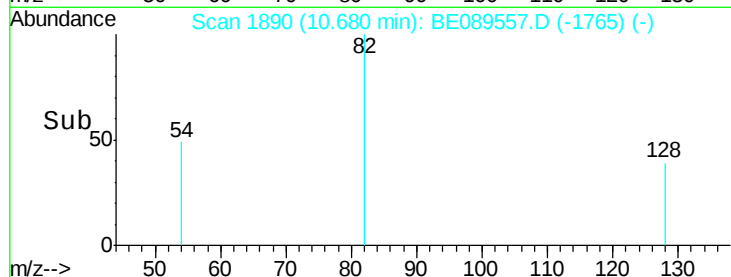
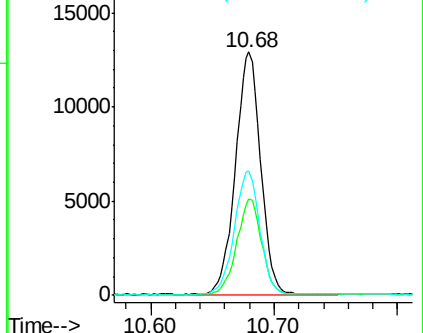
54 51.0 40.7 61.1



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: 2.12 ng

RT: 12.36 min Scan# 2343

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

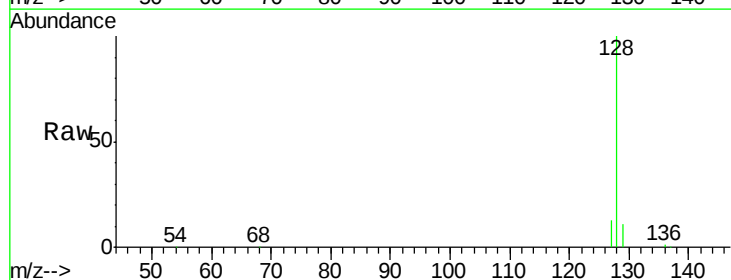
Tgt Ion: 128 Resp: 59452

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

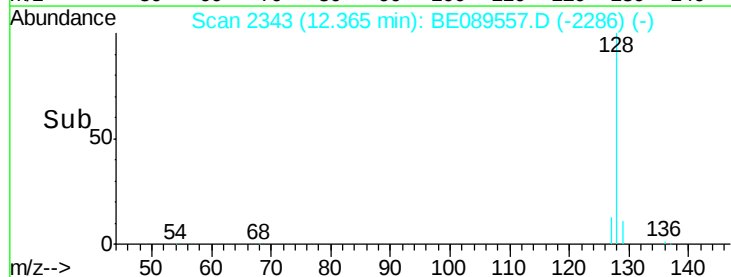
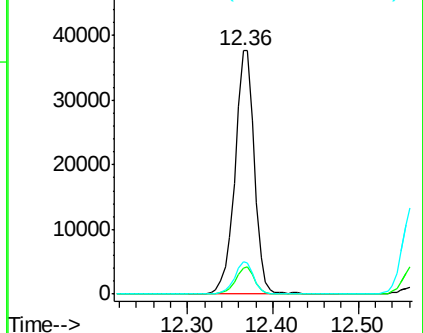
127 13.1 10.6 15.8

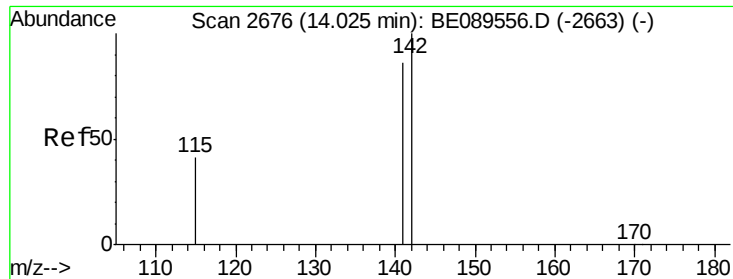


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 2.00 ng

RT: 14.03 min Scan# 2675

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDICC002

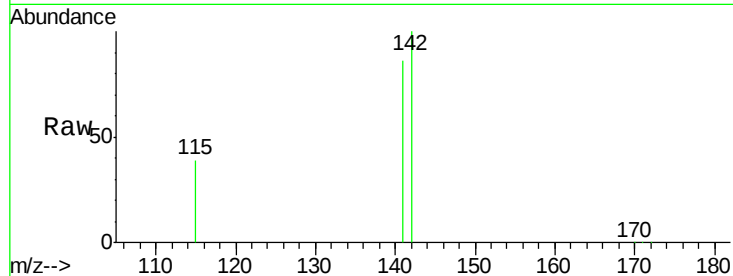
Tgt Ion:142 Resp: 32847

Ion Ratio Lower Upper

142 100

141 85.8 68.6 102.8

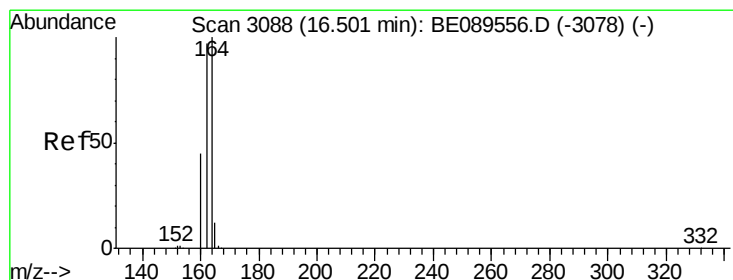
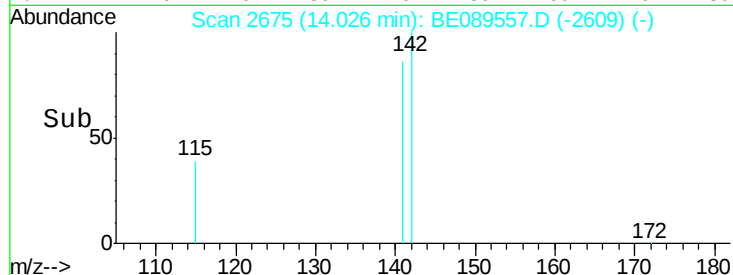
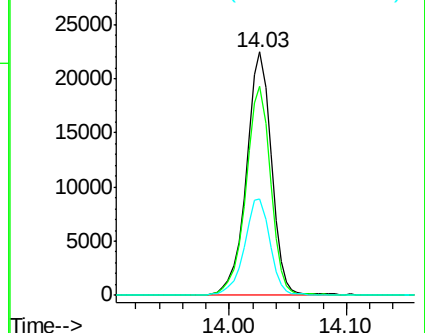
115 39.3 33.0 49.6



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# 3087

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

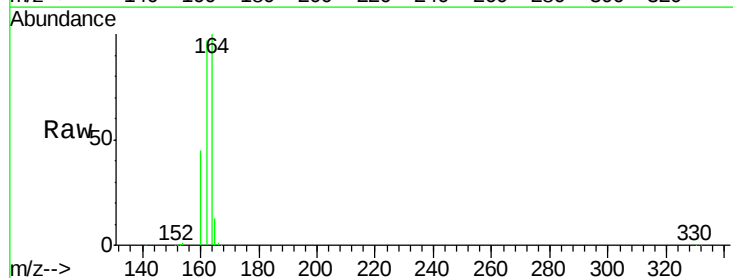
Tgt Ion:164 Resp: 46281

Ion Ratio Lower Upper

164 100

162 97.0 77.8 116.6

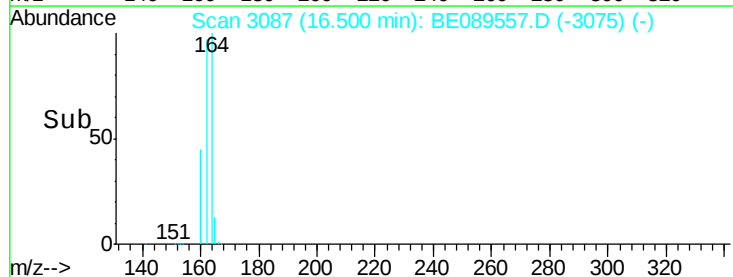
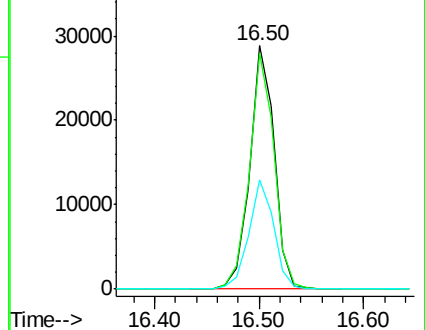
160 44.9 36.2 54.2

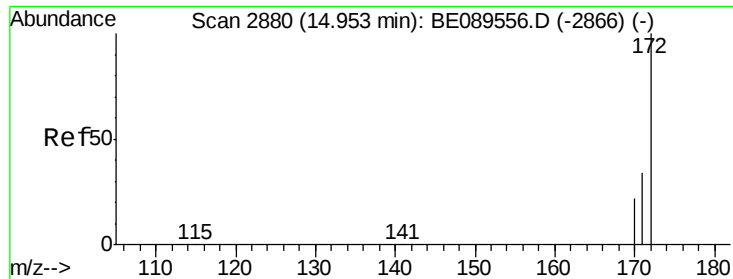


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 2.37 ng

RT: 14.95 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDIC002

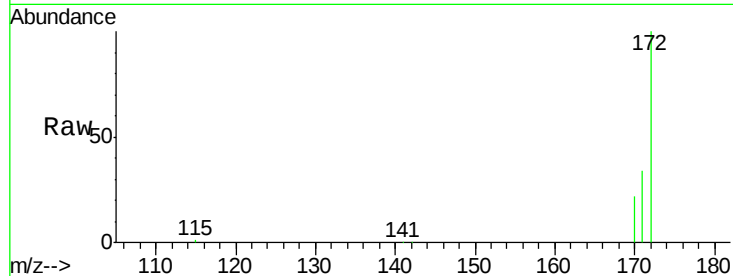
Tgt Ion:172 Resp: 26645

Ion Ratio Lower Upper

172 100

171 33.7 27.4 41.0

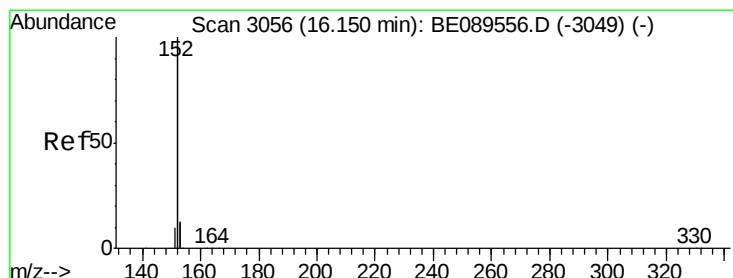
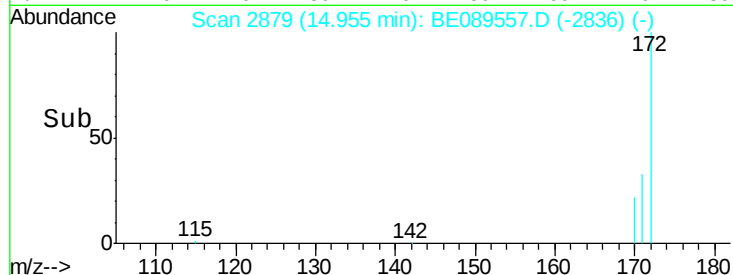
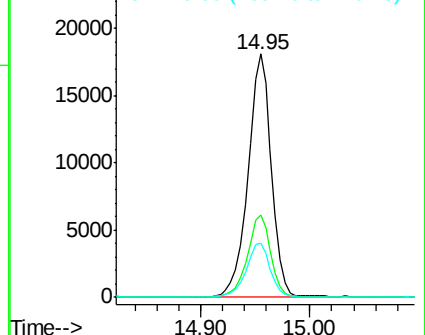
170 22.2 18.3 27.5



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: 2.36 ng

RT: 16.15 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

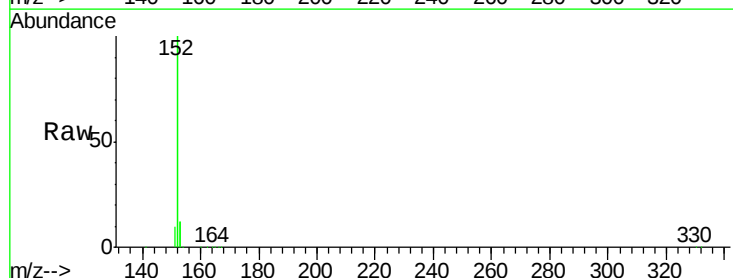
Tgt Ion:152 Resp: 169864

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

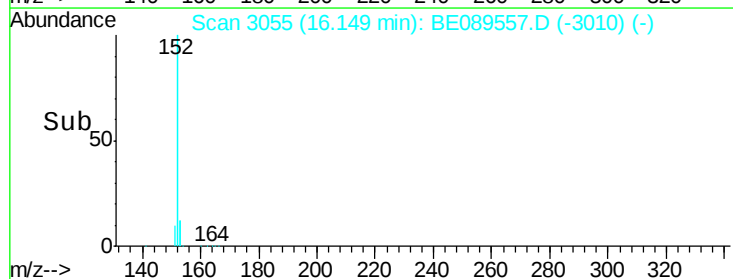
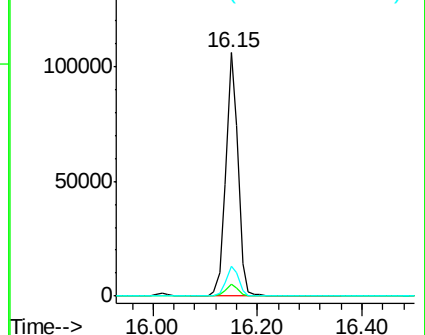
153 12.7 10.4 15.6

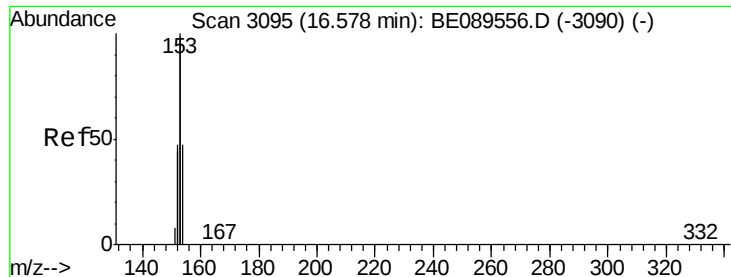


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 2.21 ng

RT: 16.58 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDIC002

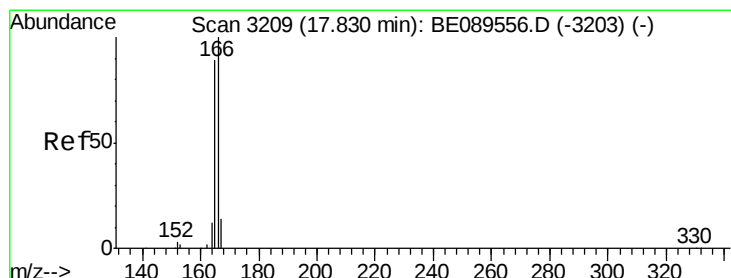
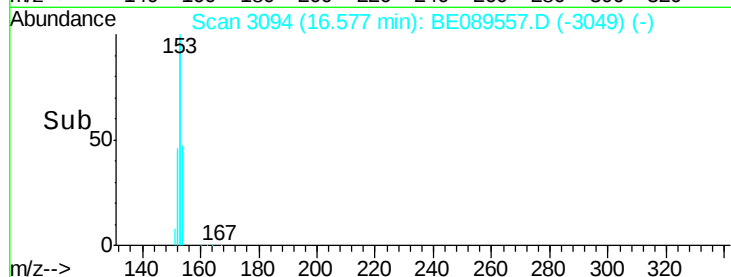
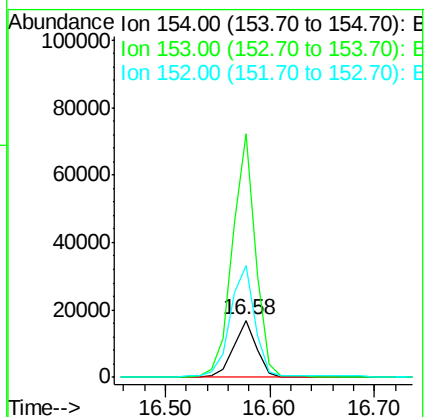
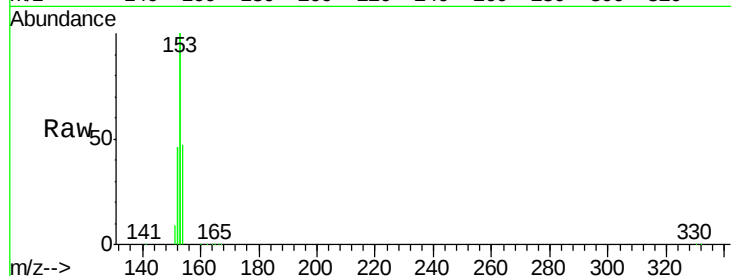
Tgt Ion:154 Resp: 25309

Ion Ratio Lower Upper

154 100

153 432.5 349.0 523.4

152 210.2 173.0 259.4



#10

Fluorene

Concen: 2.15 ng

RT: 17.83 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

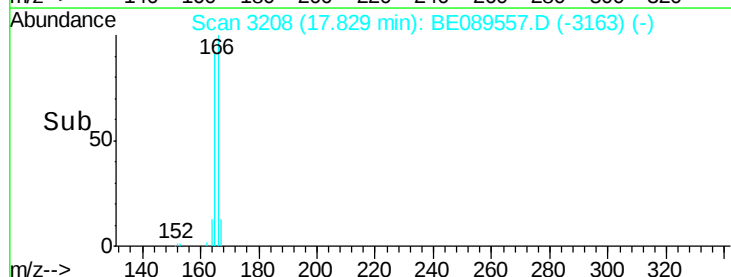
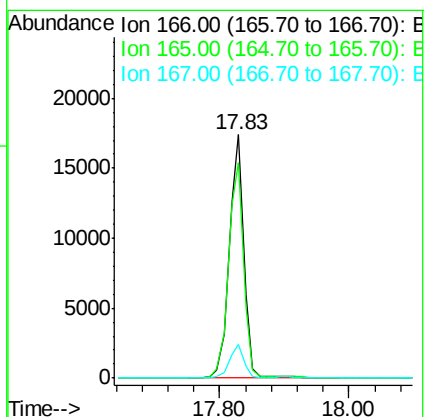
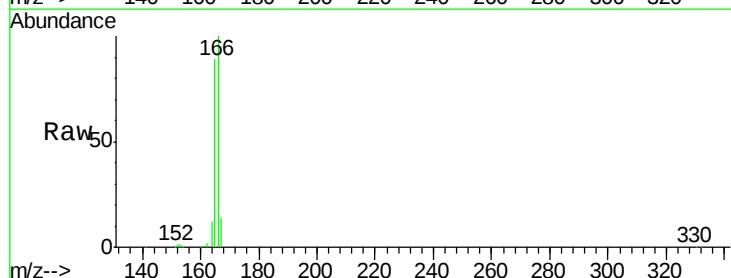
Tgt Ion:166 Resp: 26657

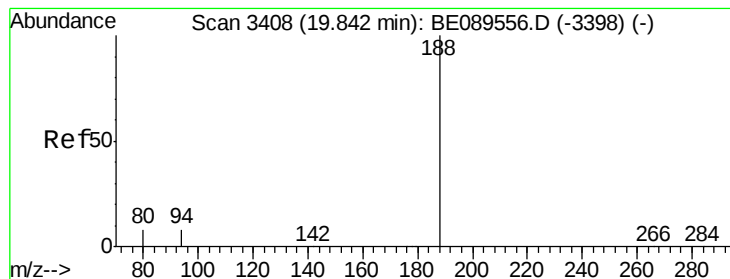
Ion Ratio Lower Upper

166 100

165 92.2 75.1 112.7

167 13.0 10.6 16.0





#11

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.84 min Scan# 3407

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDICC002

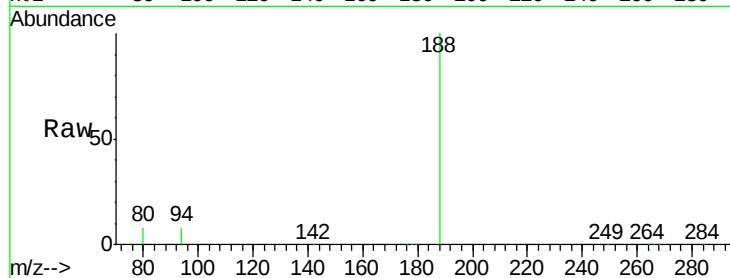
Tgt Ion:188 Resp: 80478

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.2

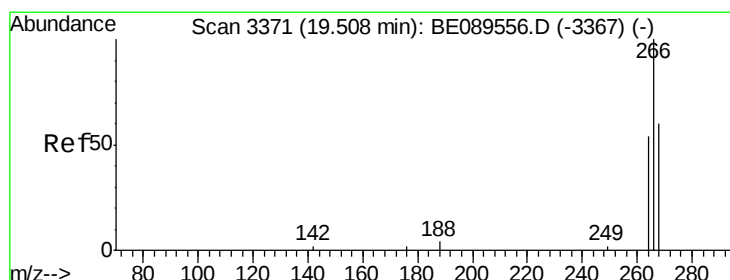
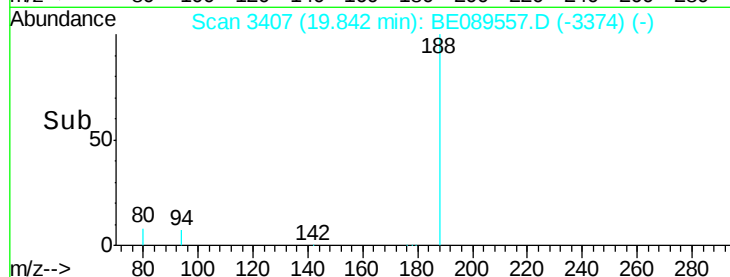
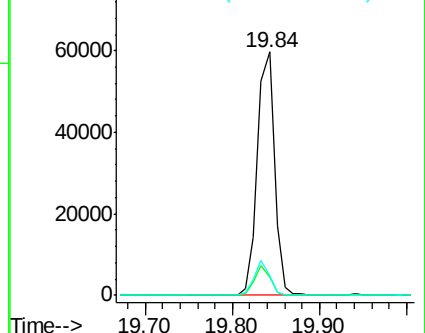
80 7.9 6.4 9.6



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: 0.55 ng

RT: 19.51 min Scan# 3370

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

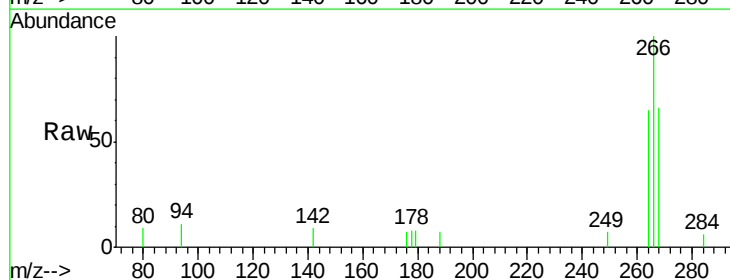
Tgt Ion:266 Resp: 1179

Ion Ratio Lower Upper

266 100

268 66.2 57.9 86.9

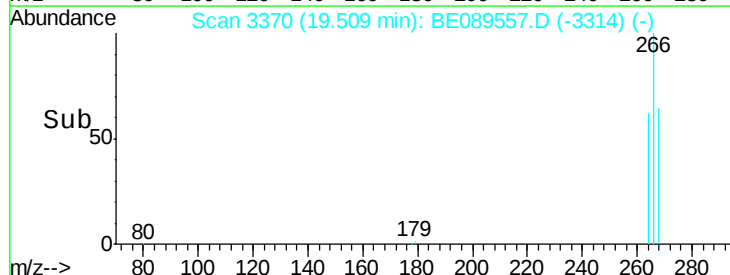
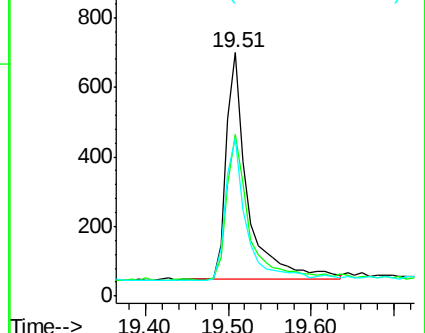
264 64.7 54.6 81.8

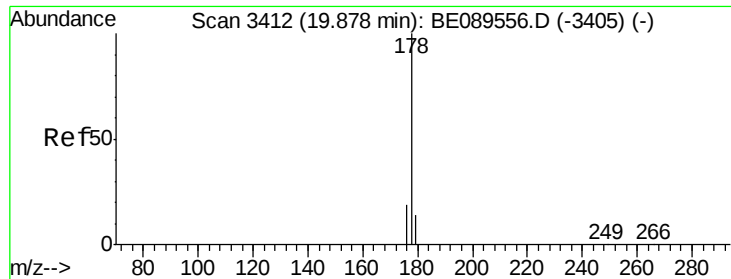


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#13

Phenanthrene

Concen: 2.24 ng

RT: 19.88 min Scan# 3411

Delta R.T. 0.00 min

Lab File: BE089557.D

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Instrument :

BNA_E

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SSTDICC002

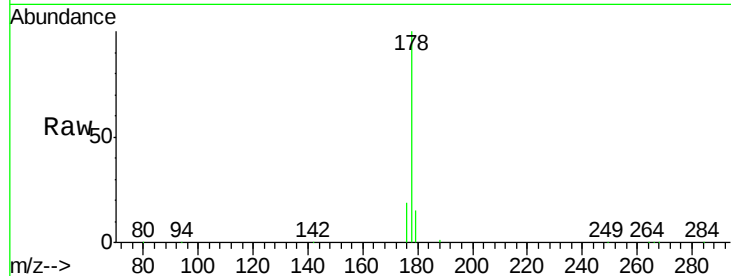
Tgt Ion:178 Resp: 40777

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

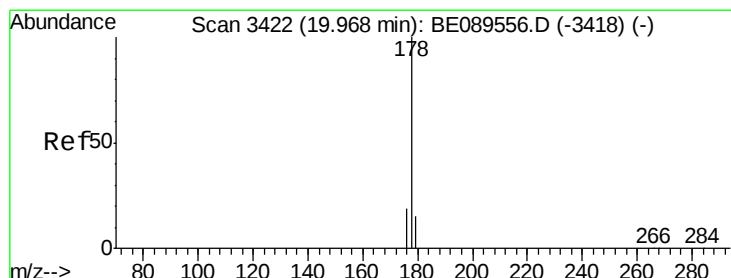
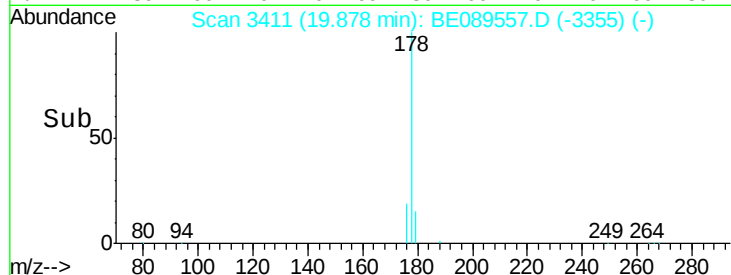
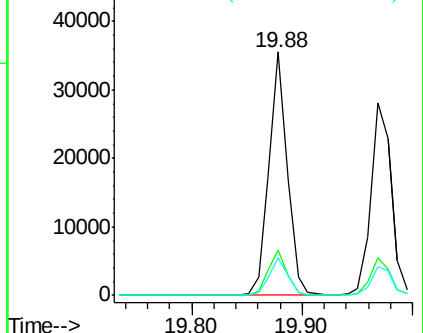
179 15.3 12.1 18.1



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: 2.35 ng

RT: 19.97 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

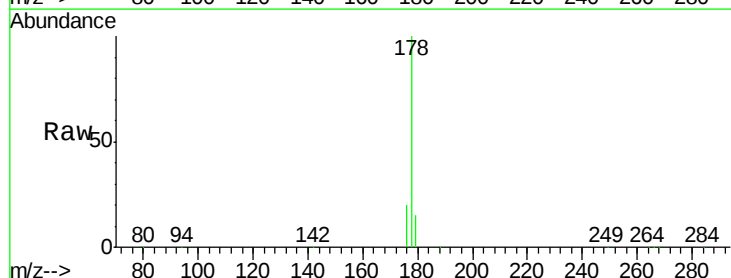
Tgt Ion:178 Resp: 36565

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

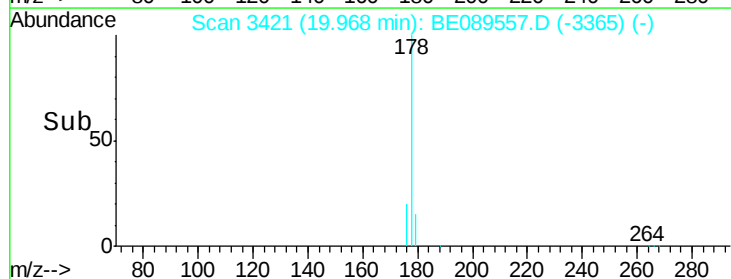
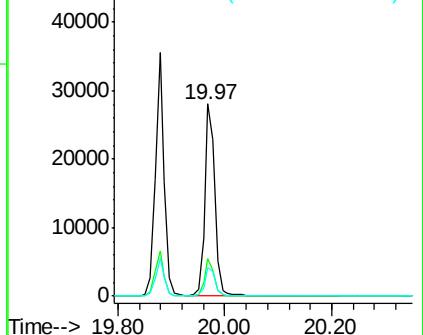
179 15.2 12.7 19.1

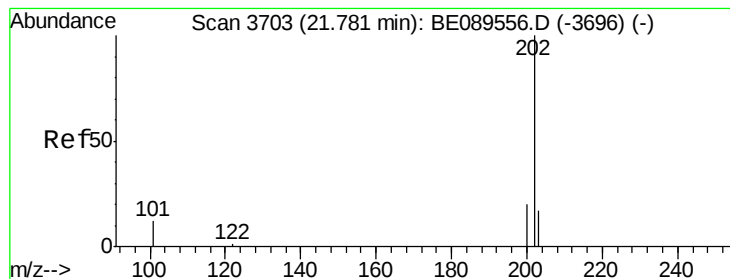


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 2.54 ng

RT: 21.78 min Scan# 3702

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

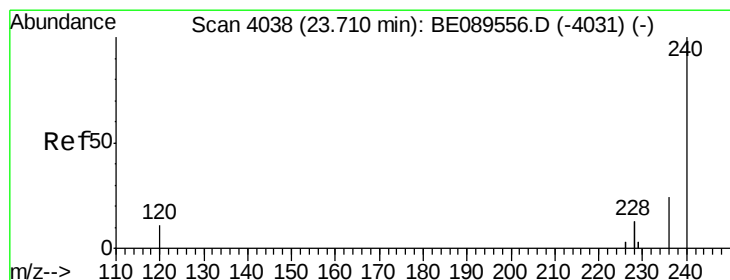
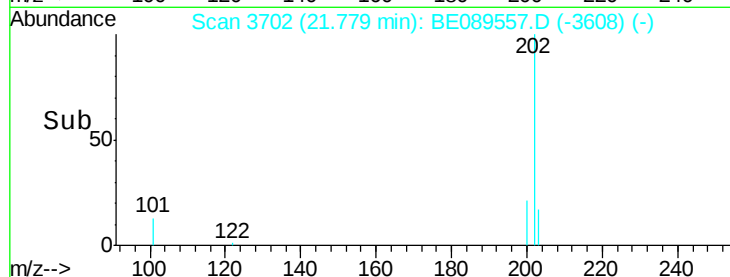
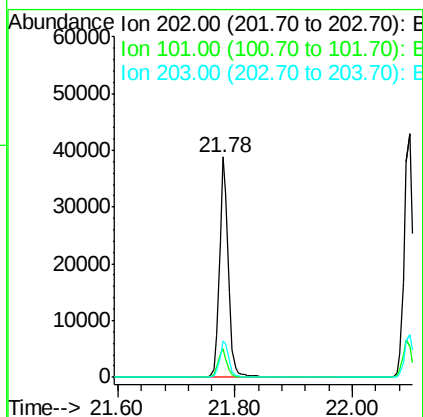
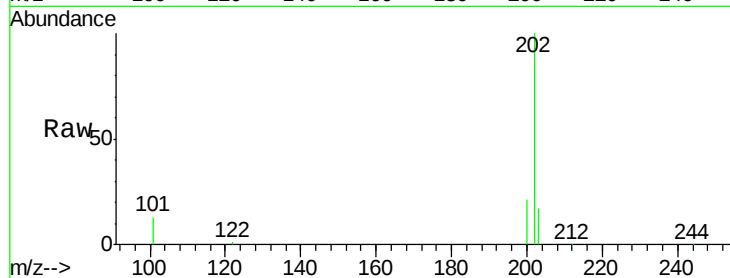
Instrument :

BNA_E

LabSampleId :

SSTDICC002

Tgt Ion:	202	Resp:	41239
Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.4	15.6
203	16.9	13.6	20.4



#16

Chrysene-d12

Concen: 5.00 ng

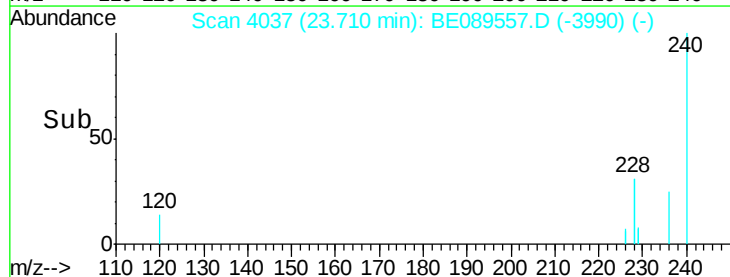
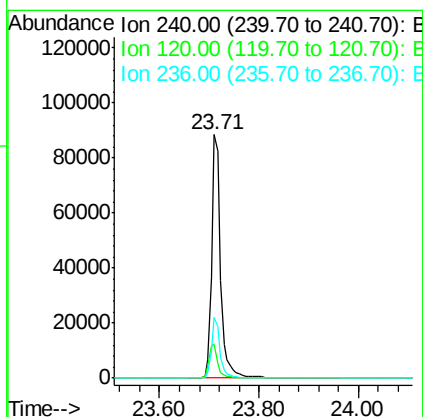
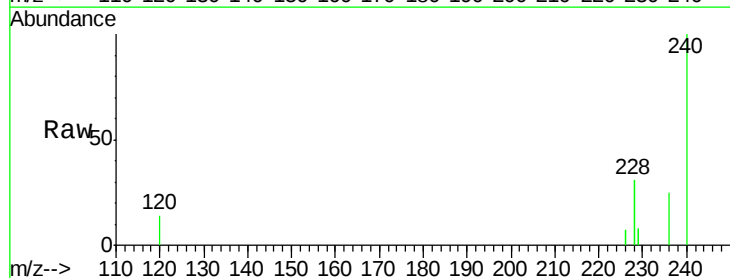
RT: 23.71 min Scan# 4037

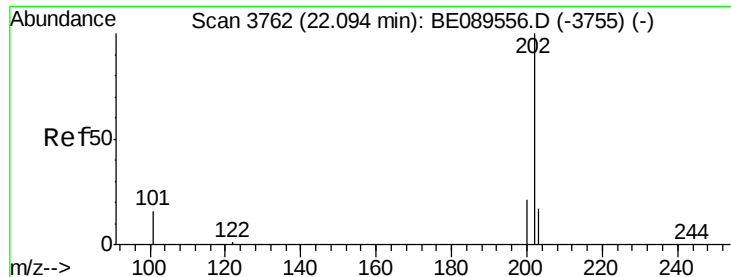
Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Tgt Ion:	240	Resp:	109751
Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.3	13.9
236	24.7	19.3	28.9

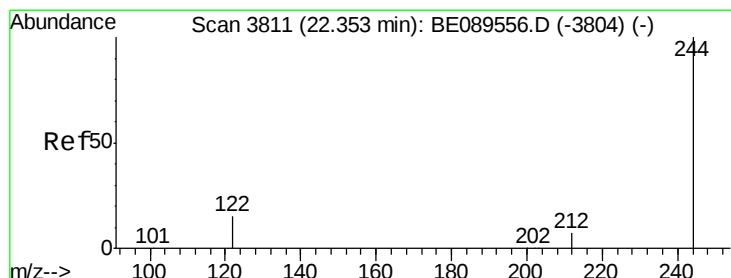
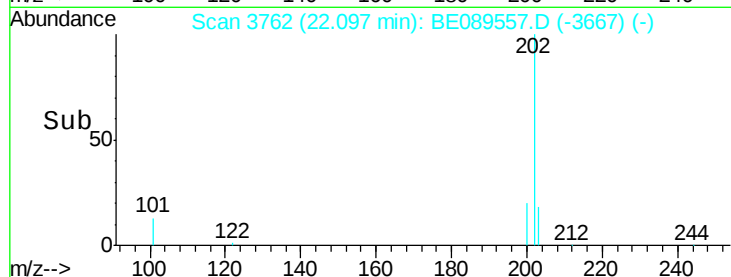
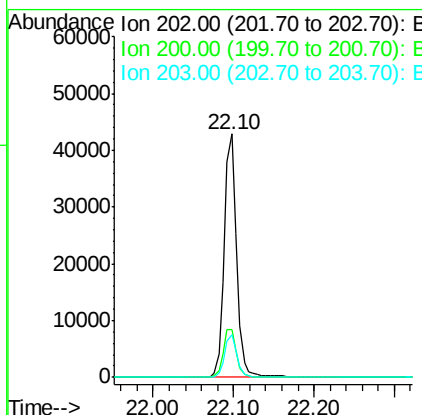
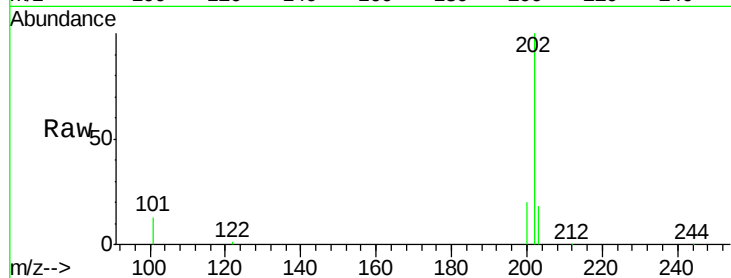




#17
 Pyrene
 Concen: 1.97 ng
 RT: 22.10 min Scan# 3762
 Delta R.T. 0.00 min
 Lab File: BE089557.D
 Acq: 10 Feb 2015 19:46

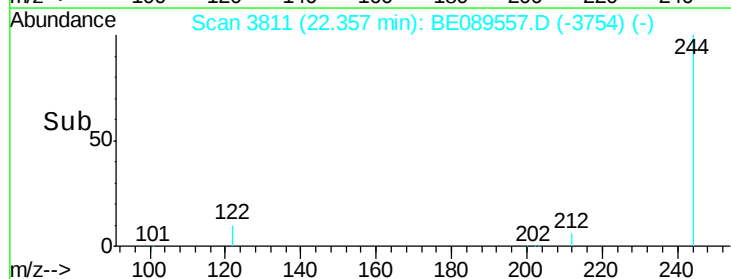
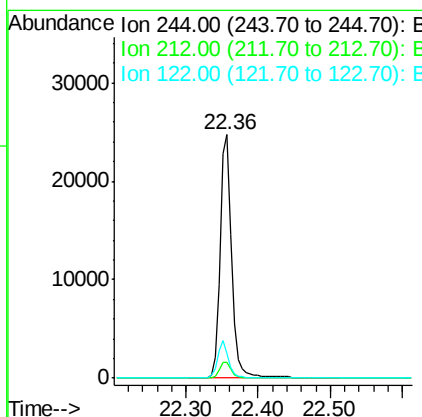
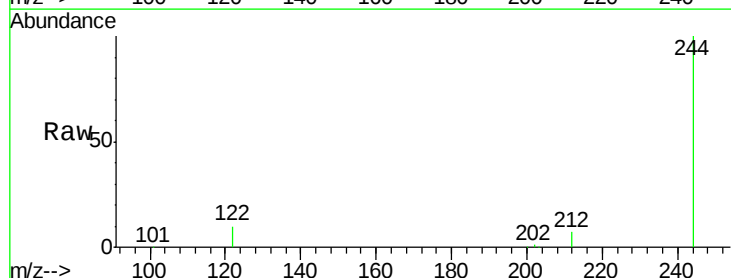
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

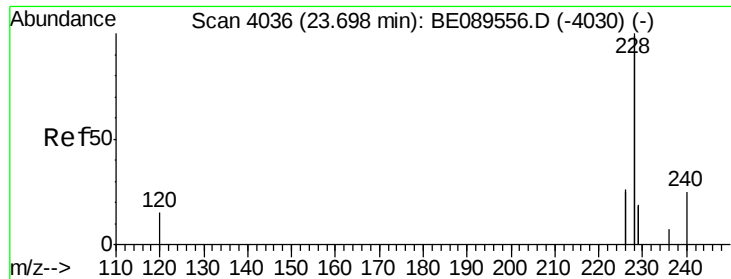
Tgt Ion: 202 Resp: 45559
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 24.8
 203 17.3 14.2 21.2



#18
 Terphenyl-d14
 Concen: 1.82 ng
 RT: 22.36 min Scan# 3811
 Delta R.T. 0.00 min
 Lab File: BE089557.D
 Acq: 10 Feb 2015 19:46

Tgt Ion: 244 Resp: 26948
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 10.4 12.2 18.2#





#19

Benzo(a)anthracene

Concen: 2.19 ng

RT: 23.70 min Scan# 4035

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDICC002

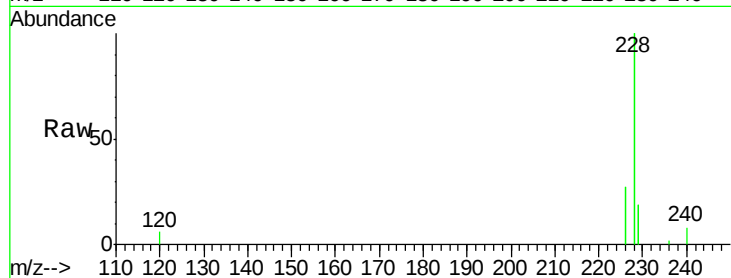
Tgt Ion:228 Resp: 189984

Ion Ratio Lower Upper

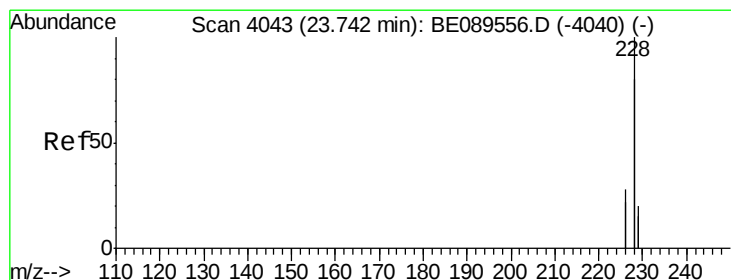
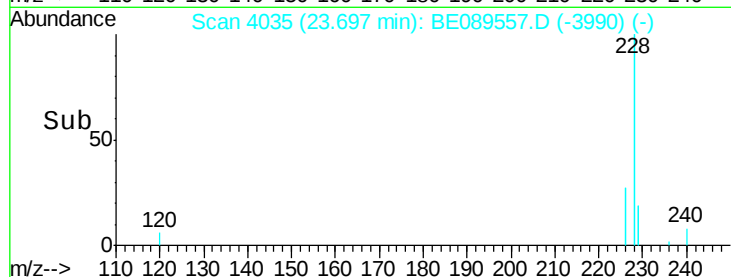
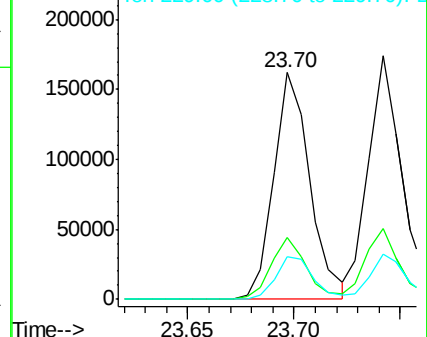
228 100

226 27.1 21.0 31.4

229 18.8 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: 2.25 ng

RT: 23.74 min Scan# 4042

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

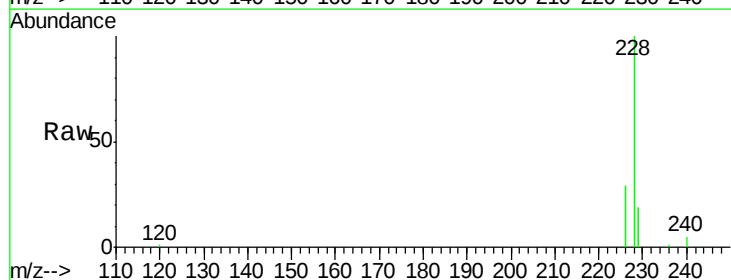
Tgt Ion:228 Resp: 211891

Ion Ratio Lower Upper

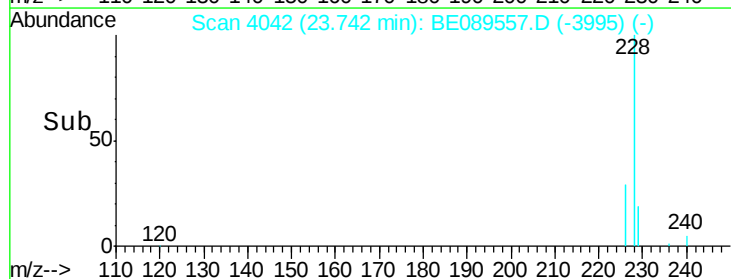
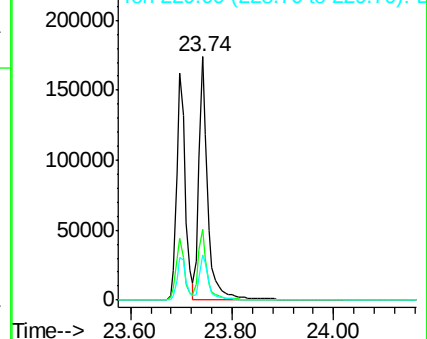
228 100

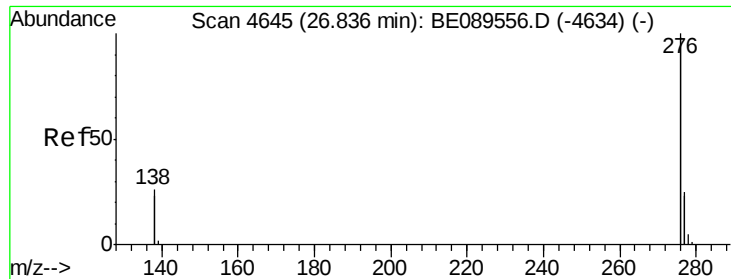
226 28.9 22.6 34.0

229 18.8 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

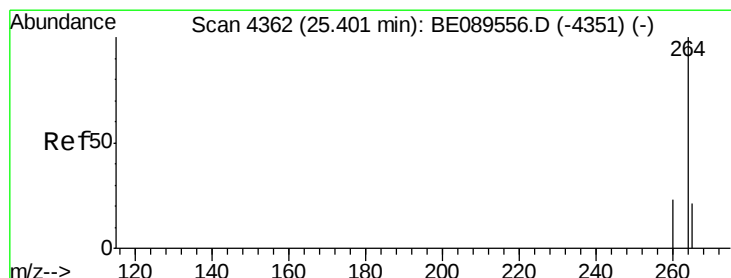
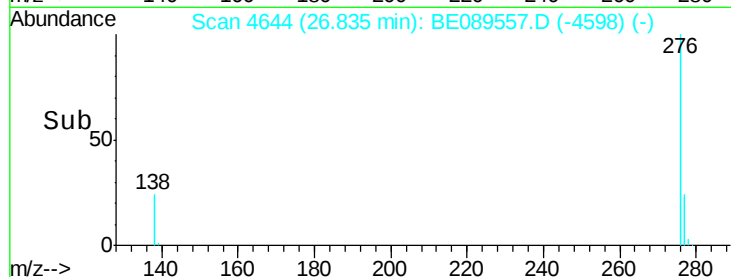
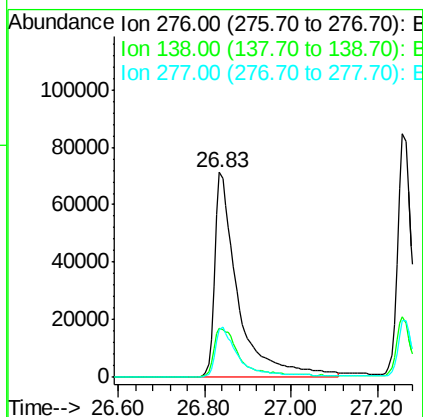
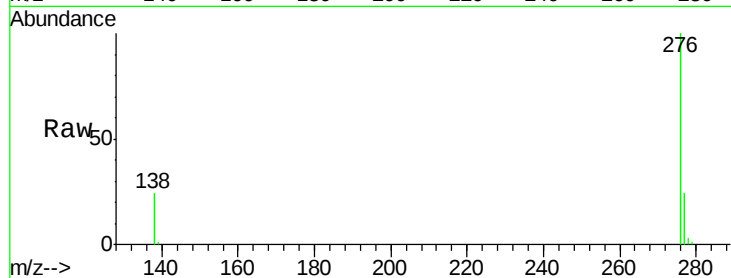




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 3.32 ng
 RT: 26.83 min Scan# 4644
 Delta R.T. -0.00 min
 Lab File: BE089557.D
 Acq: 10 Feb 2015 19:46

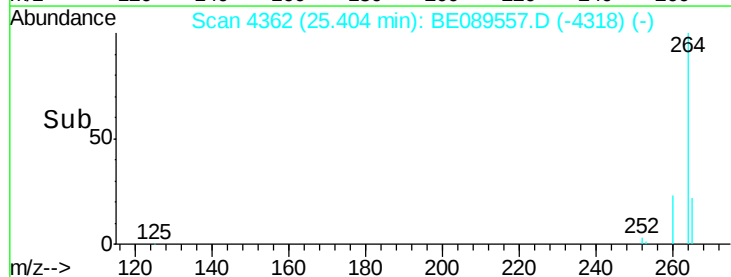
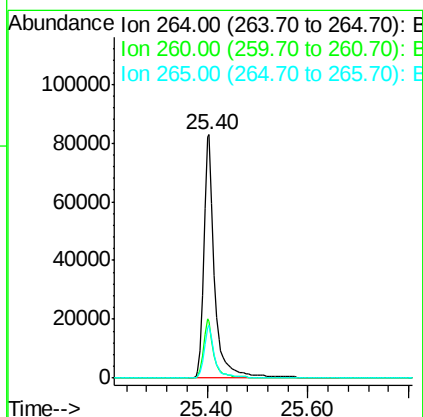
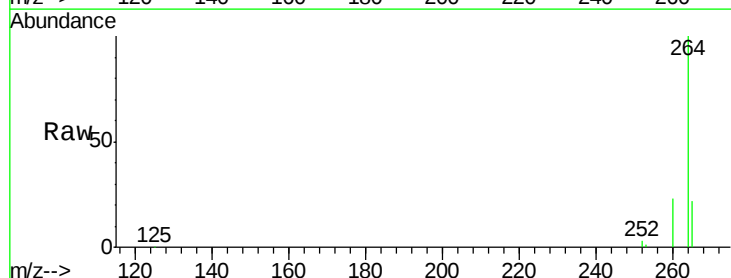
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

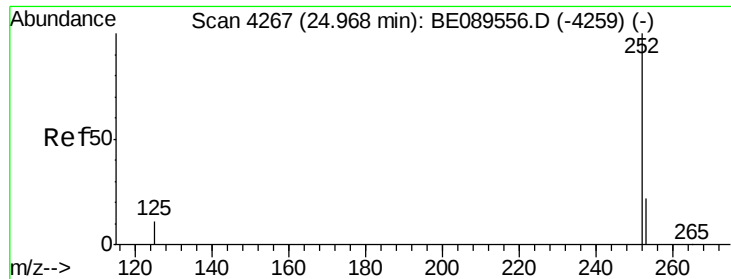
Tgt Ion: 276 Resp: 263433
 Ion Ratio Lower Upper
 276 100
 138 27.5 20.2 30.4
 277 25.1 19.6 29.4



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.40 min Scan# 4362
 Delta R.T. 0.00 min
 Lab File: BE089557.D
 Acq: 10 Feb 2015 19:46

Tgt Ion: 264 Resp: 123773
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.7 16.8 25.2





#23

Benzo(b)fluoranthene

Concen: 2.23 ng

RT: 24.97 min Scan# 4266

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDICC002

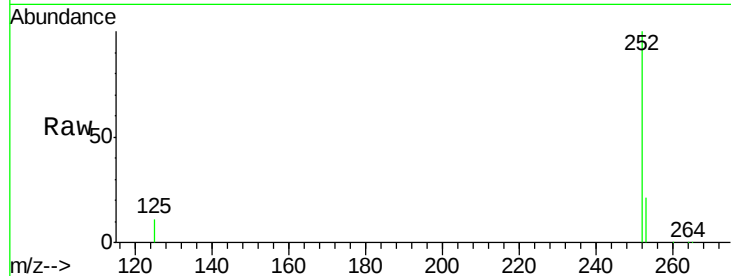
Tgt Ion:252 Resp: 40913

Ion Ratio Lower Upper

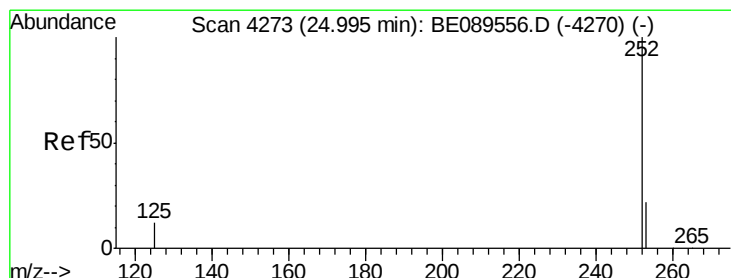
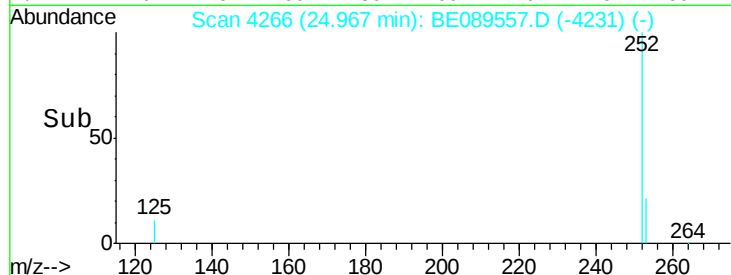
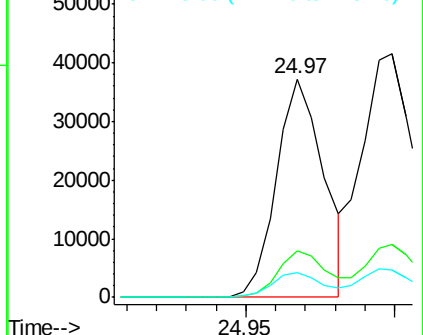
252 100

253 21.3 17.8 26.8

125 11.5 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: 2.38 ng

RT: 25.00 min Scan# 4273

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

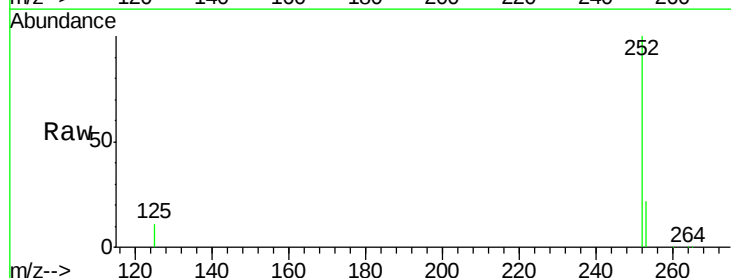
Tgt Ion:252 Resp: 69594

Ion Ratio Lower Upper

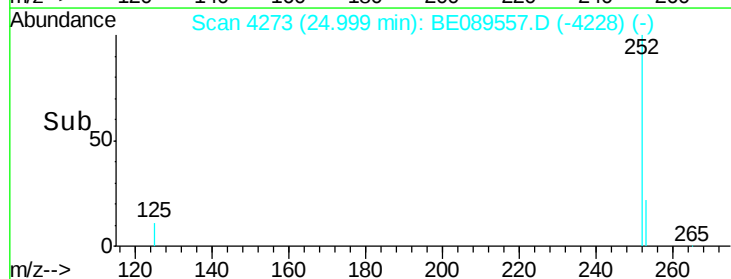
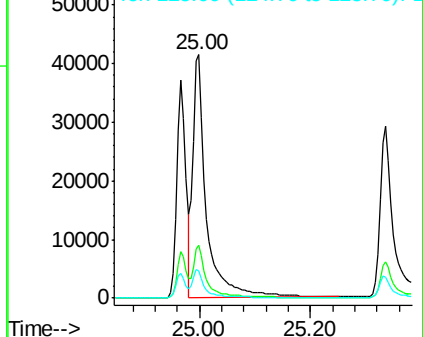
252 100

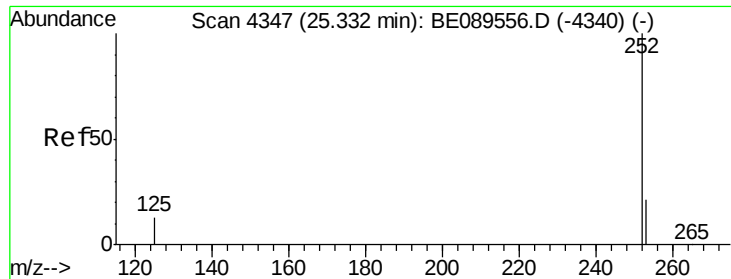
253 21.9 17.5 26.3

125 11.2 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: 2.37 ng

RT: 25.34 min Scan# 4347

Delta R.T. 0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDICC002

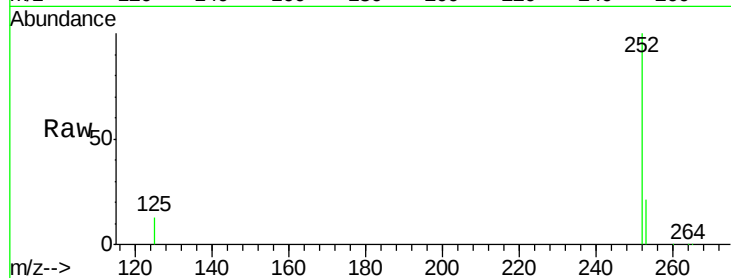
Tgt Ion: 252 Resp: 44458

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.0

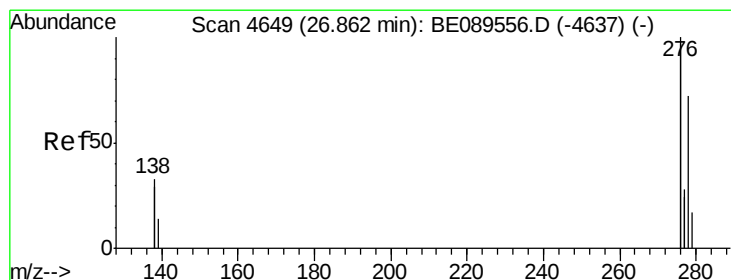
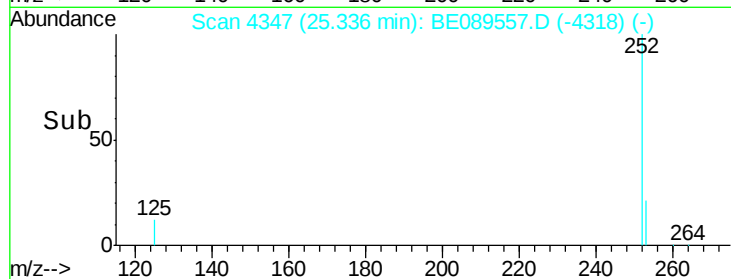
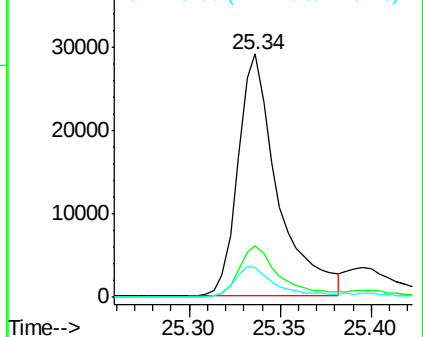
125 12.5 11.1 16.7



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: 2.90 ng

RT: 26.86 min Scan# 4648

Delta R.T. -0.00 min

Lab File: BE089557.D

Acq: 10 Feb 2015 19:46

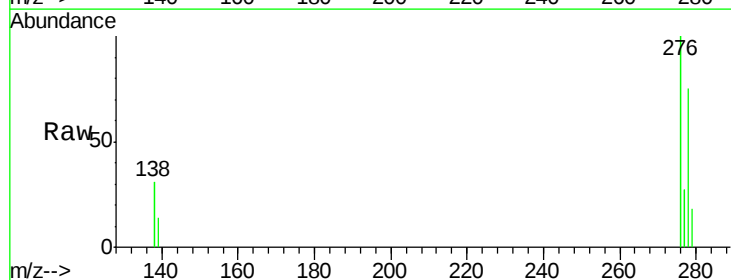
Tgt Ion: 278 Resp: 55659

Ion Ratio Lower Upper

278 100

139 18.6 16.1 24.1

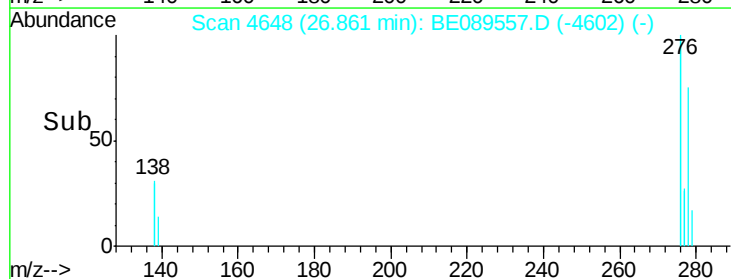
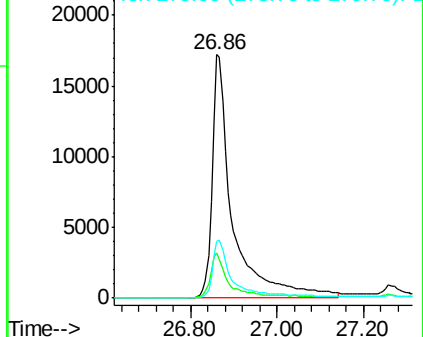
279 23.4 19.6 29.4

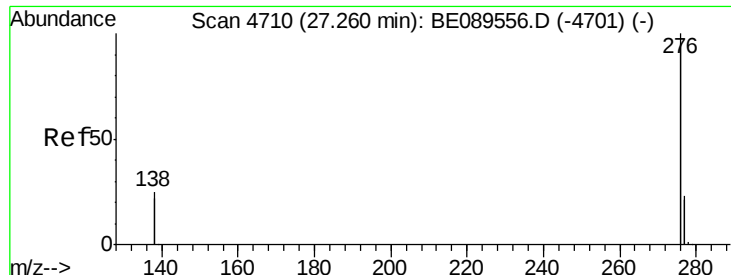


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.69 ng

RT: 27.26 min Scan# 4709

Delta R.T. -0.00 min

Lab File: BE089557.D

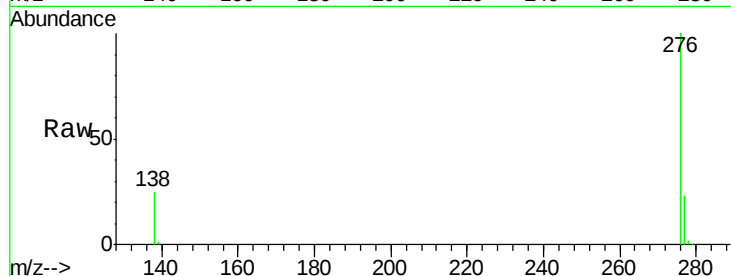
Acq: 10 Feb 2015 19:46

Instrument :

BNA_E

LabSampleId :

SSTDIC002



Tgt Ion: 276 Resp: 233125

Ion Ratio Lower Upper

276 100

277 23.1 18.7 28.1

138 25.1 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

