

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089559.D
 Acq On : 10 Feb 2015 21:04
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Feb 11 01:20:27 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

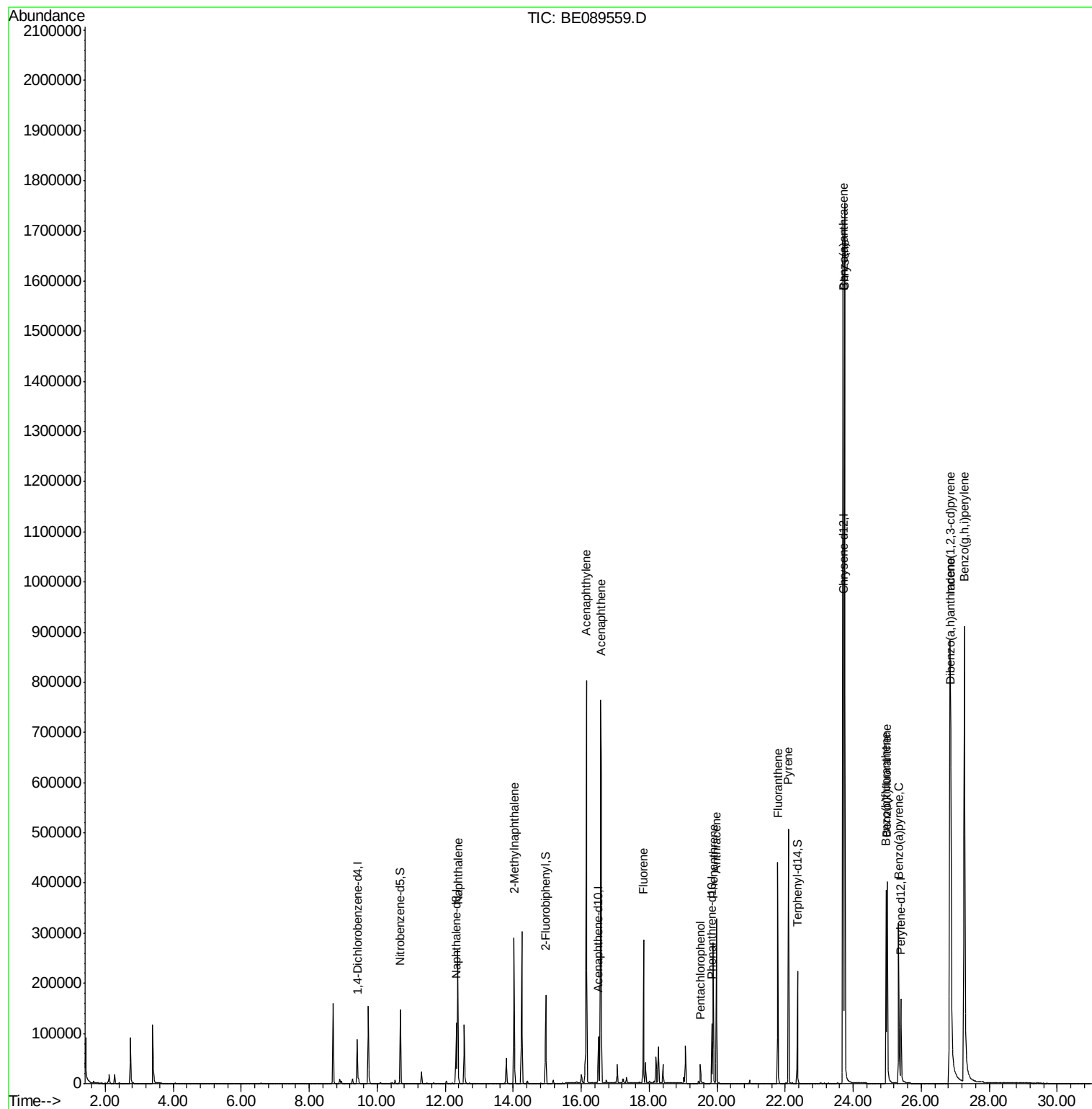
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	39446	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	149569	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	61573	5.00	ng	0.01
11) Phenanthrene-d10	19.84	188	122223	5.00	ng	0.00
16) Chrysene-d12	23.72	240	148519	5.00	ng	0.00
22) Perylene-d12	25.40	264	152052	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.68	82	111714	12.49	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	161352	10.80	ng	0.00
18) Terphenyl-d14	22.36	244	203688	10.15	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.37	128	326900	10.19	ng	99
5) 2-Methylnaphthalene	14.03	142	195638	10.42	ng	99
8) Acenaphthylene	16.16	152	1139057	11.89	ng	100
9) Acenaphthene	16.58	154	165429	10.84	ng	97
10) Fluorene	17.83	166	186935	11.33	ng	99
12) Pentachlorophenol	19.51	266	23281	7.10	ng	91
13) Phenanthrene	19.89	178	294857	10.66	ng	100
14) Anthracene	19.98	178	289850	12.24	ng	99
15) Fluoranthene	21.78	202	321415	13.03	ng	99
17) Pyrene	22.10	202	342719	10.94	ng	100
19) Benzo(a)anthracene	23.70	228	1340771	11.44	ng	96
20) Chrysene	23.75	228	1343618	10.57	ng	97
21) Indeno(1,2,3-cd)pyrene	26.85	276	1698111	15.80	ng	97
23) Benzo(b)fluoranthene	24.97	252	317846	14.10	ng	99
24) Benzo(k)fluoranthene	25.00	252	400951	11.17	ng	99
25) Benzo(a)pyrene	25.34	252	317152	13.75	ng	99
26) Dibenzo(a,h)anthracene	26.87	278	362706	15.37	ng	# 95
27) Benzo(g,h,i)perylene	27.27	276	1403882	13.20	ng	99

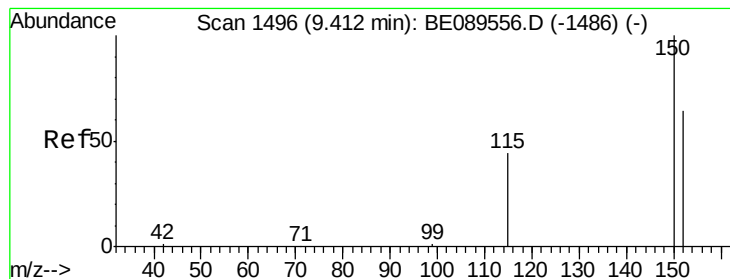
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDICC010

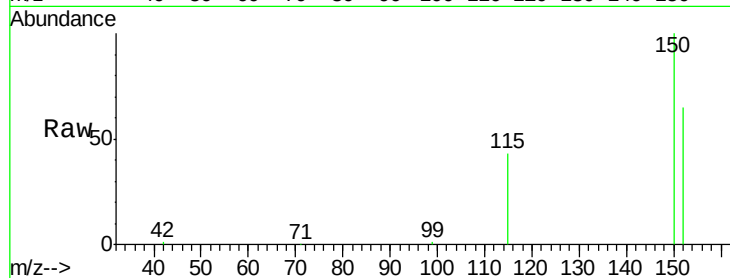
Tgt Ion:152 Resp: 39446

Ion Ratio Lower Upper

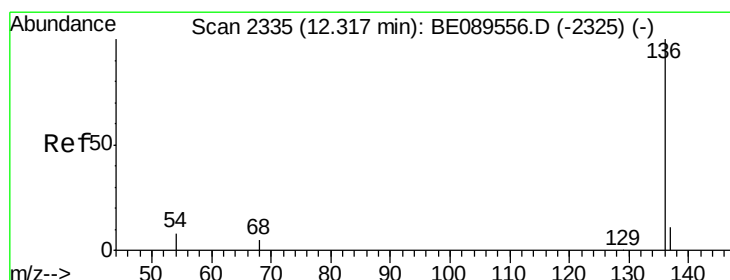
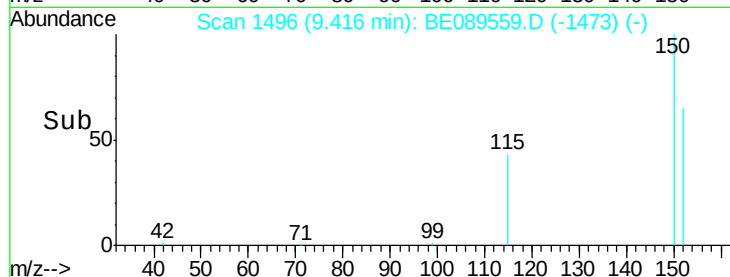
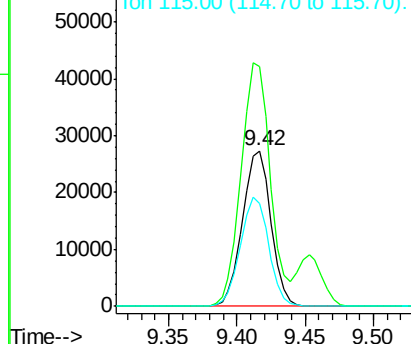
152 100

150 154.3 125.6 188.4

115 66.5 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: BE089559.D

Acq: 10 Feb 2015 21:04

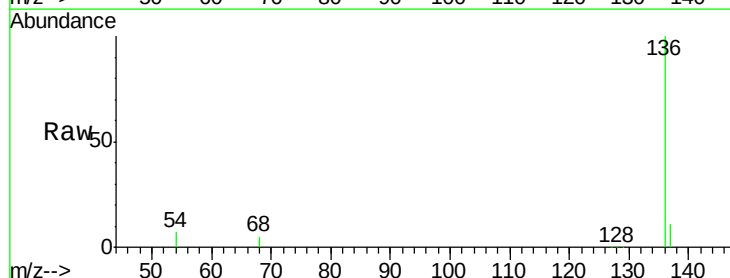
Tgt Ion:136 Resp: 149569

Ion Ratio Lower Upper

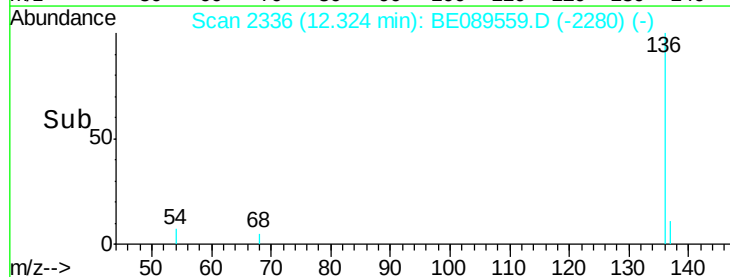
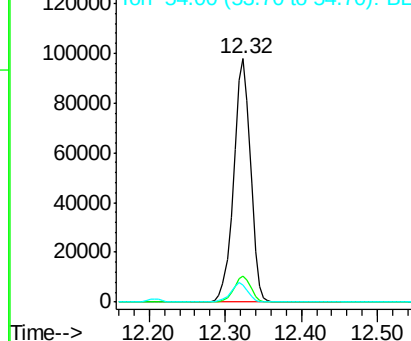
136 100

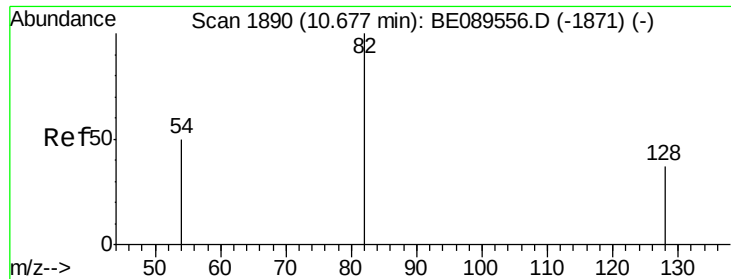
137 10.8 8.6 13.0

54 7.1 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: 12.49 ng

RT: 10.68 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

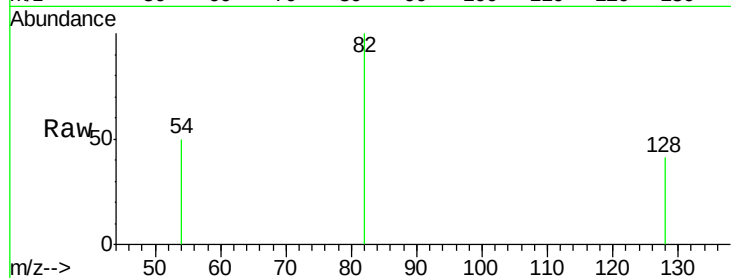
Tgt Ion: 82 Resp: 111714

Ion Ratio Lower Upper

82 100

128 41.2 30.4 45.6

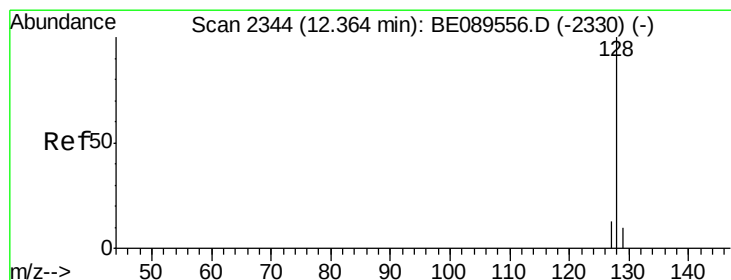
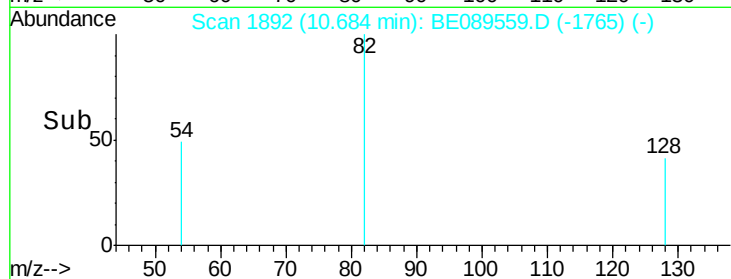
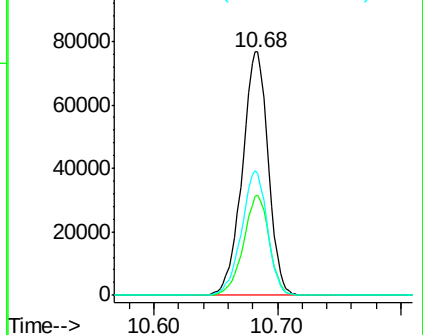
54 50.4 40.7 61.1



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: 10.19 ng

RT: 12.37 min Scan# 2345

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

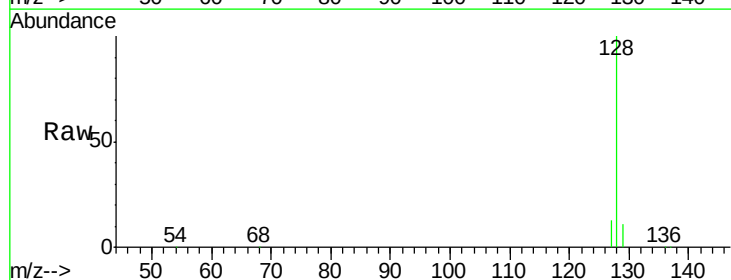
Tgt Ion: 128 Resp: 326900

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

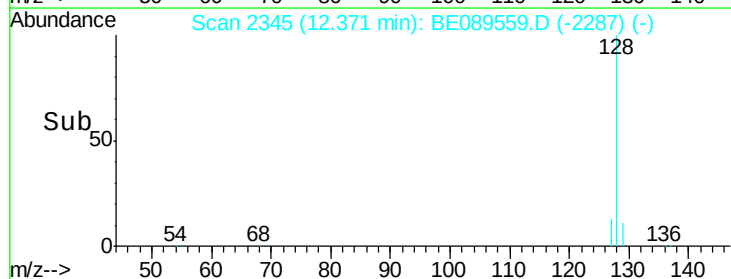
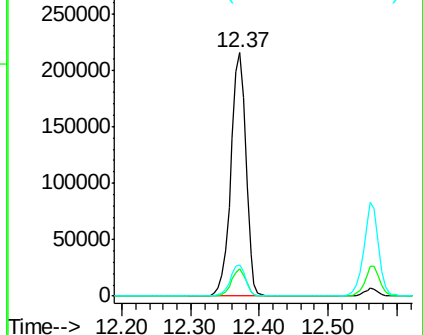
127 12.8 10.6 15.8

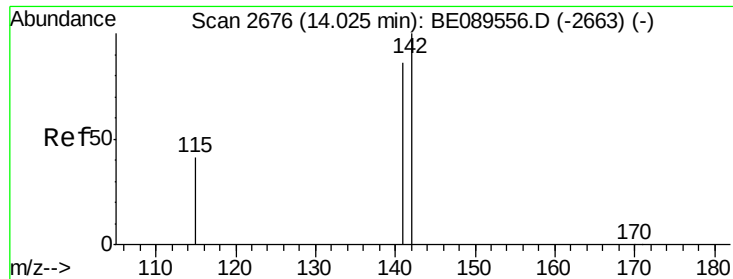


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 10.42 ng

RT: 14.03 min Scan# 2677

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

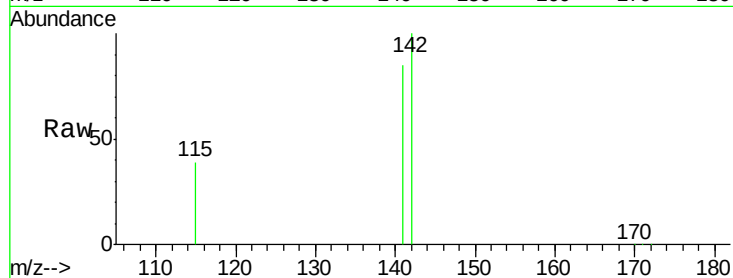
Tgt Ion:142 Resp: 195638

Ion Ratio Lower Upper

142 100

141 85.2 68.6 102.8

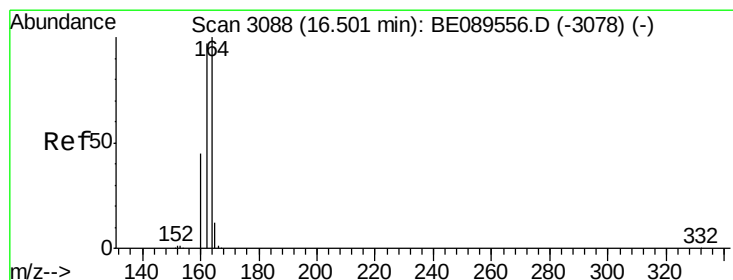
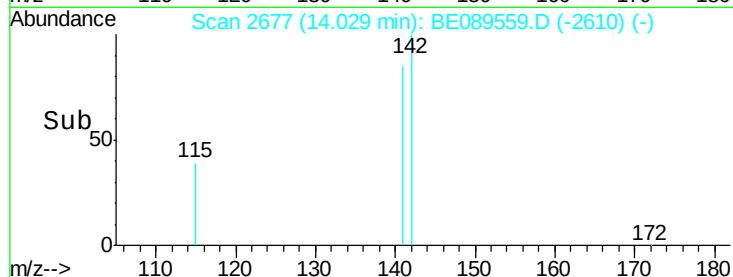
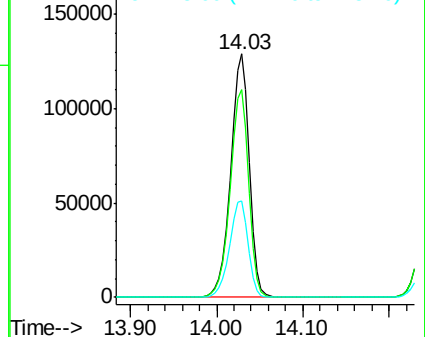
115 39.4 33.0 49.6



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: 16.51 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

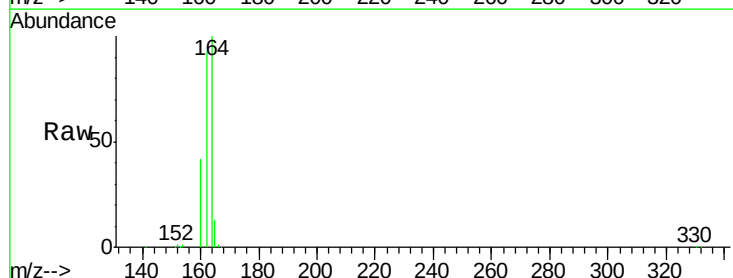
Tgt Ion:164 Resp: 61573

Ion Ratio Lower Upper

164 100

162 93.2 77.8 116.6

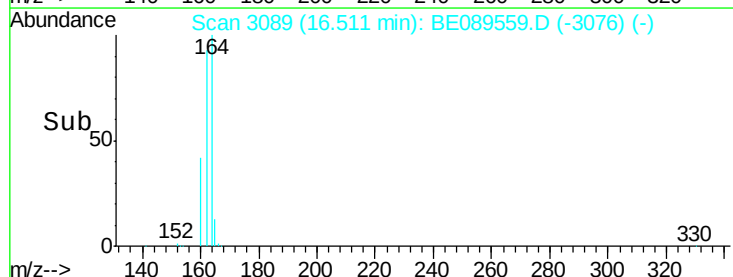
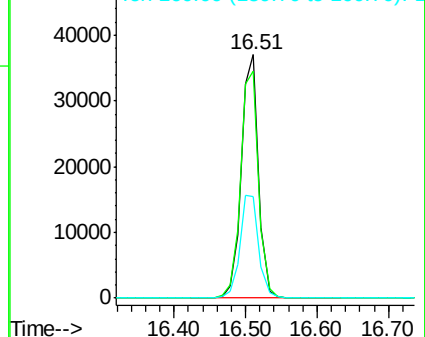
160 41.6 36.2 54.2

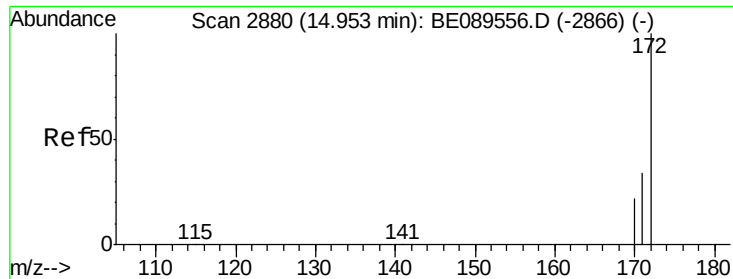


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 10.80 ng

RT: 14.96 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

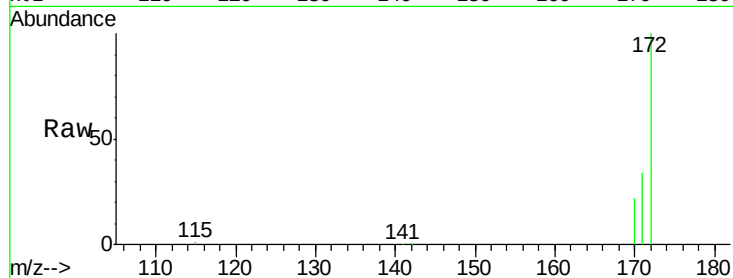
Tgt Ion:172 Resp: 161352

Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

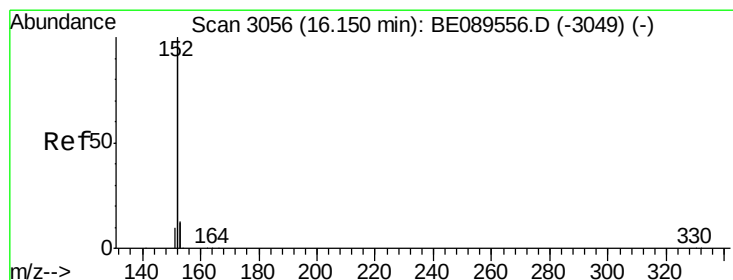
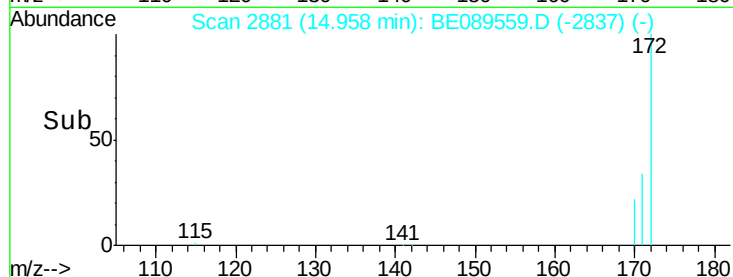
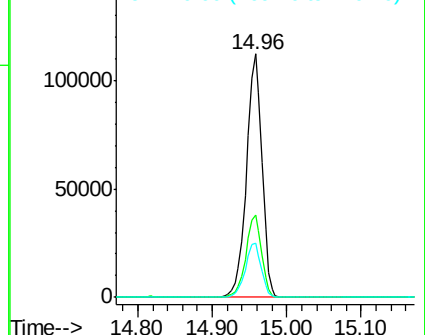
170 22.5 18.3 27.5



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: 11.89 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

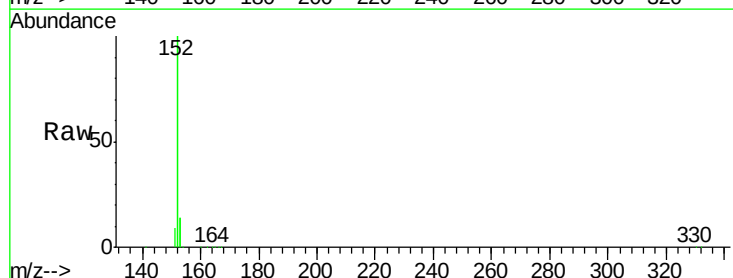
Tgt Ion:152 Resp: 1139057

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

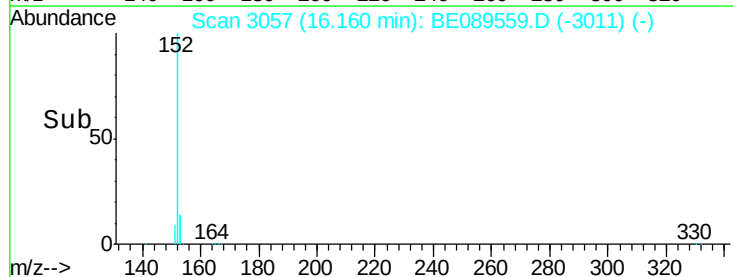
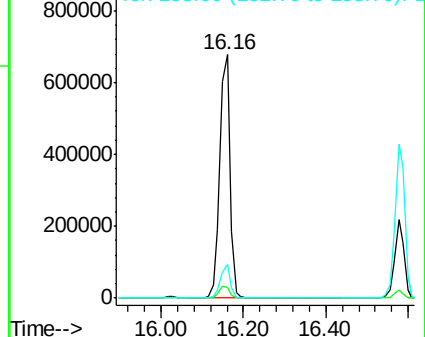
153 12.9 10.4 15.6

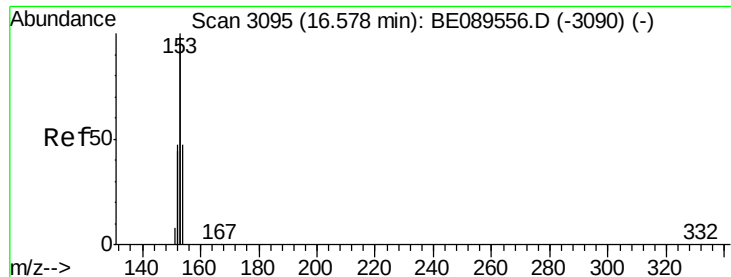


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 10.84 ng

RT: 16.58 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

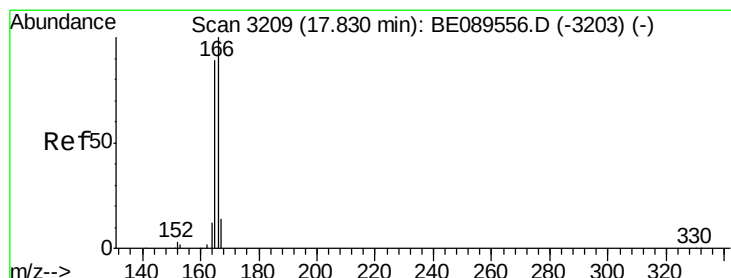
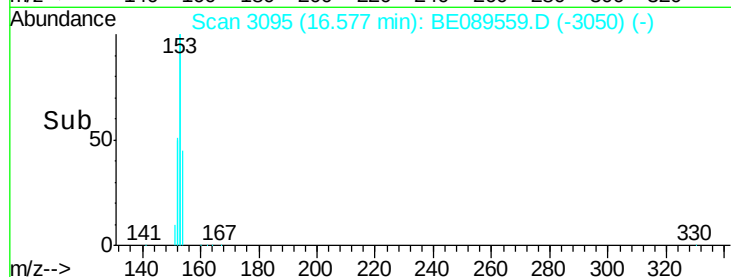
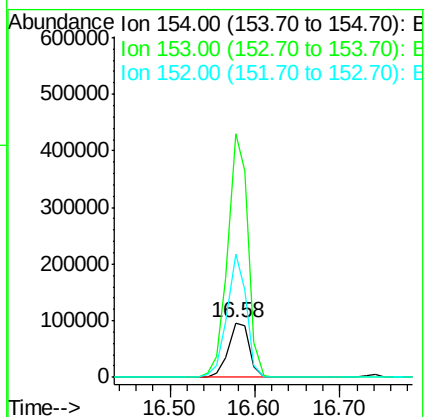
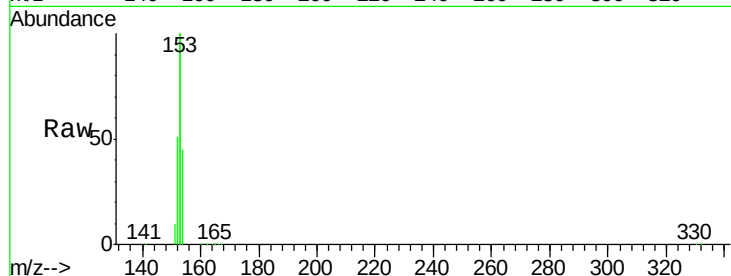
Tgt Ion:154 Resp: 165429

Ion Ratio Lower Upper

154 100

153 430.8 349.0 523.4

152 207.9 173.0 259.4



#10

Fluorene

Concen: 11.33 ng

RT: 17.83 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

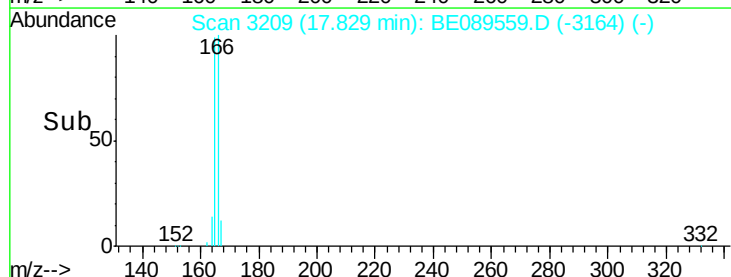
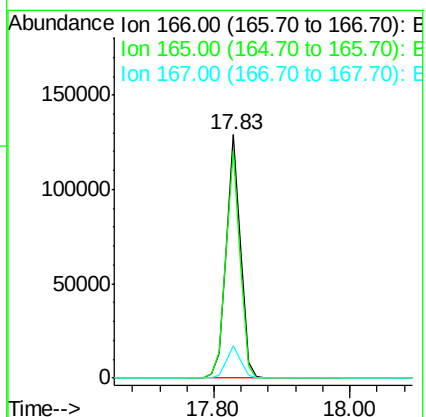
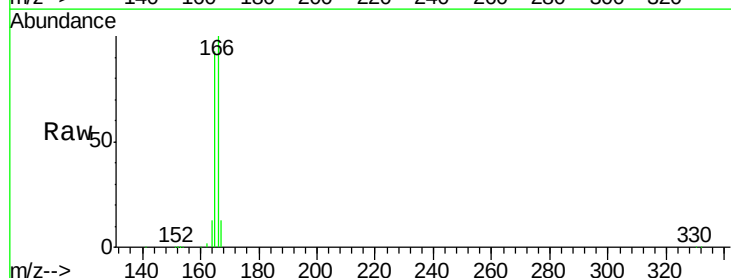
Tgt Ion:166 Resp: 186935

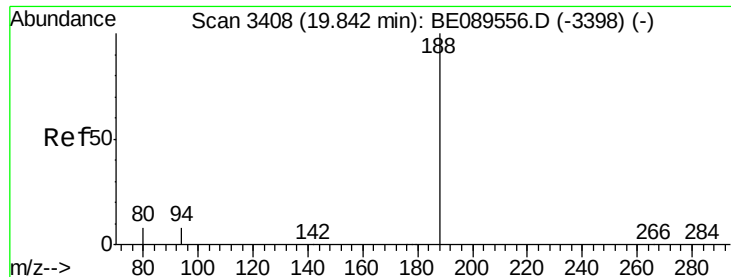
Ion Ratio Lower Upper

166 100

165 93.1 75.1 112.7

167 13.3 10.6 16.0

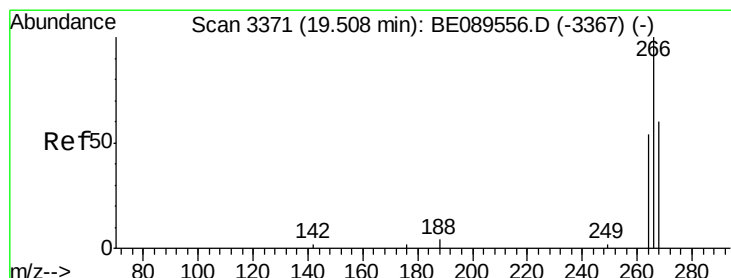
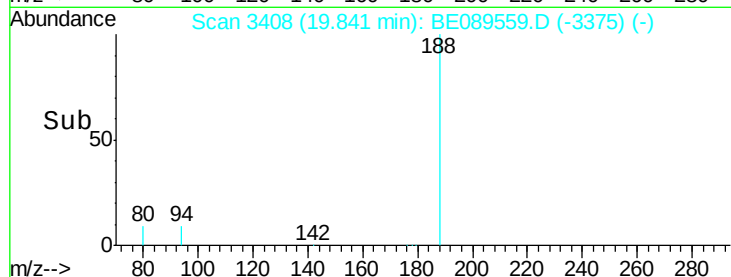
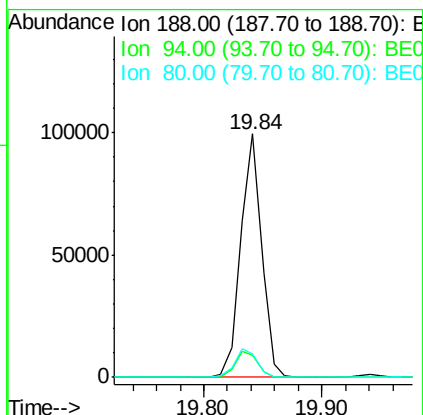
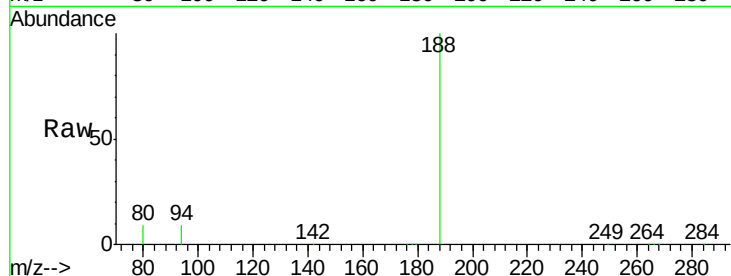




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.00 min
Lab File: BE089559.D
Acq: 10 Feb 2015 21:04

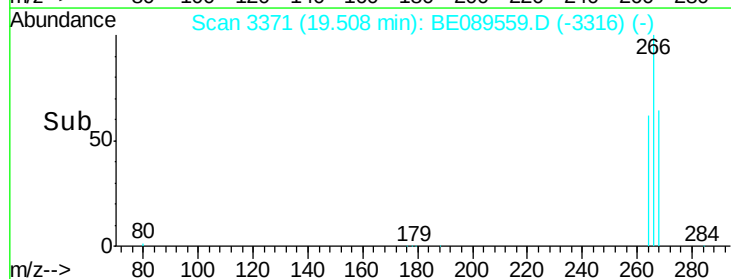
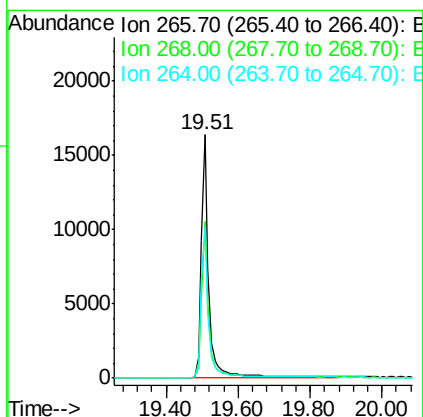
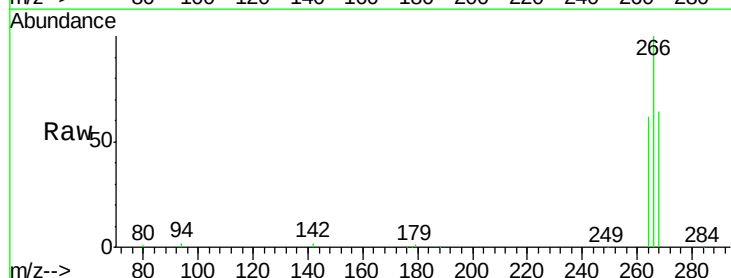
Instrument :
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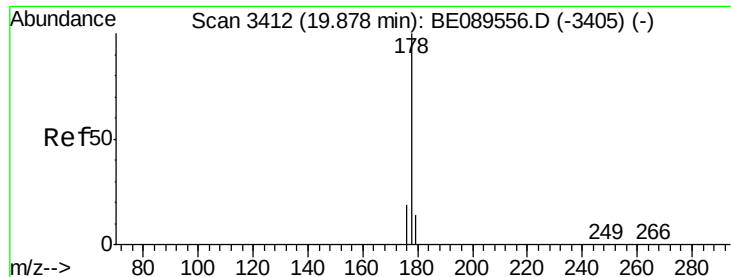
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.2	9.2
80	9.4	6.4	9.6



#12
Pentachlorophenol
Concen: 7.10 ng
RT: 19.51 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BE089559.D
Acq: 10 Feb 2015 21:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	57.9	86.9
264	62.0	54.6	81.8





#13

Phenanthrene

Concen: 10.66 ng

RT: 19.89 min Scan# 3413

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDICC010

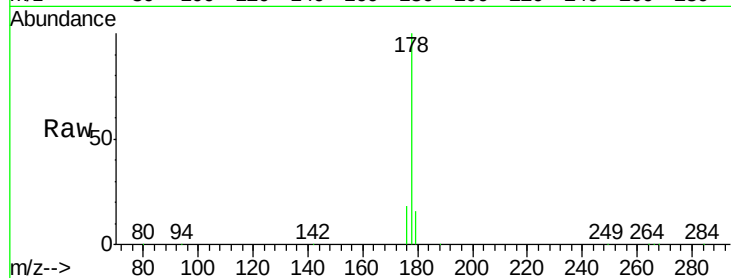
Tgt Ion:178 Resp: 294857

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

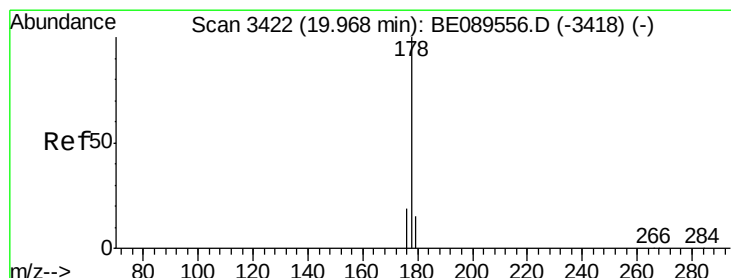
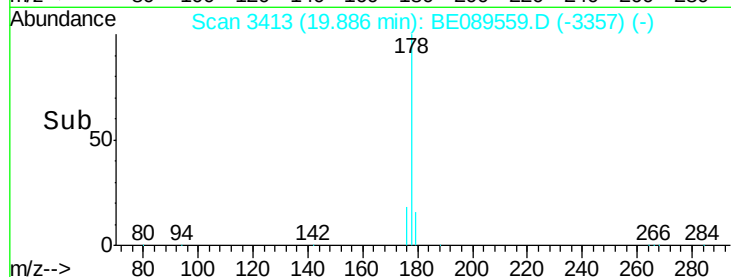
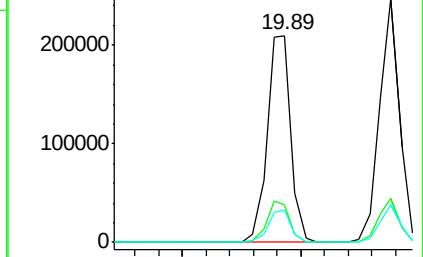
179 15.2 12.1 18.1



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: 12.24 ng

RT: 19.98 min Scan# 3423

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

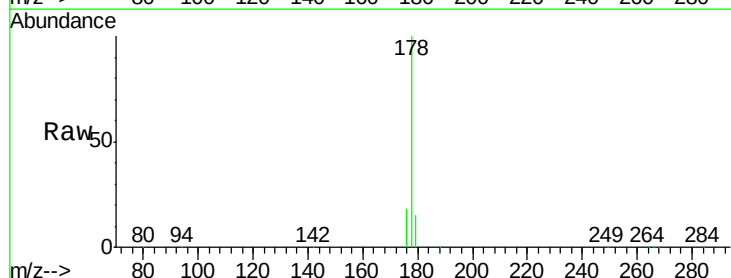
Tgt Ion:178 Resp: 289850

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

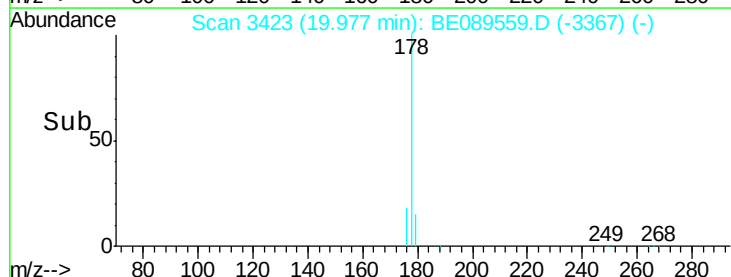
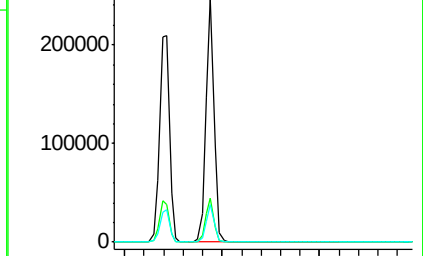
179 15.1 12.7 19.1

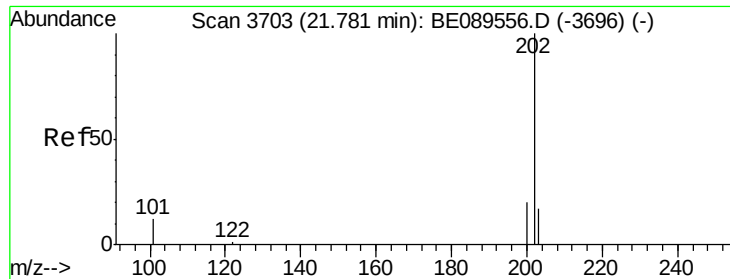


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

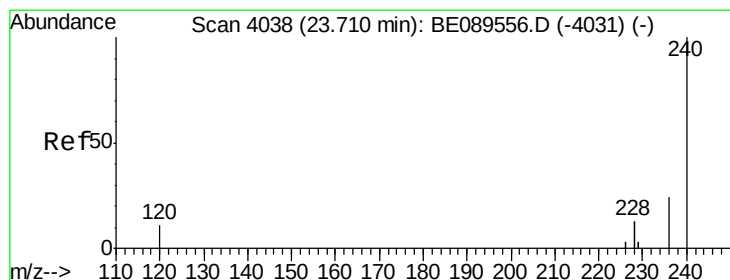
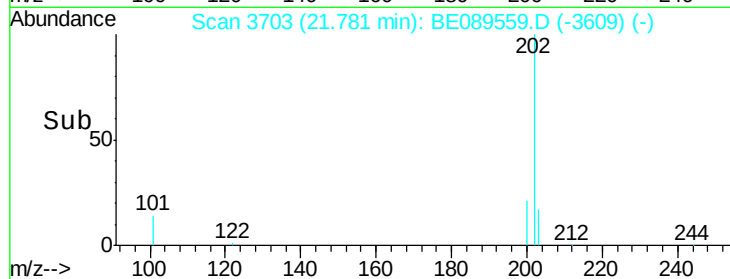
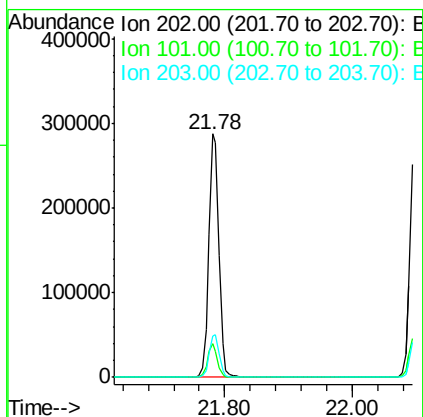
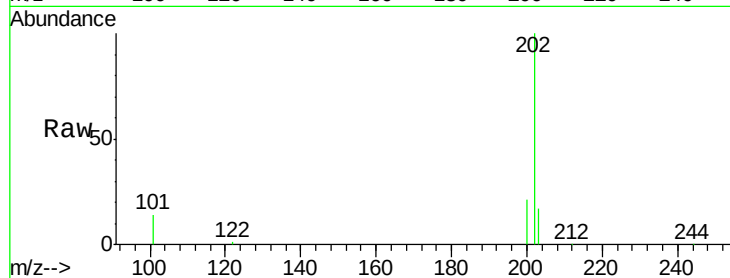




#15
 Fluoranthene
 Concen: 13.03 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: BE089559.D
 Acq: 10 Feb 2015 21:04

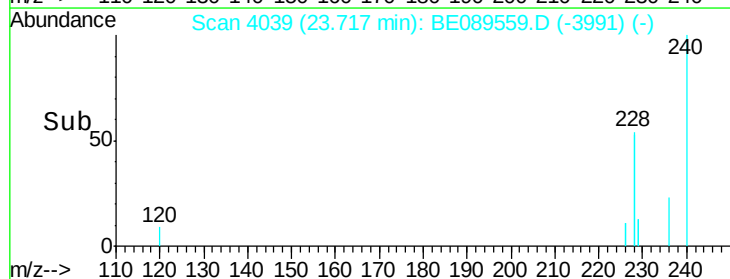
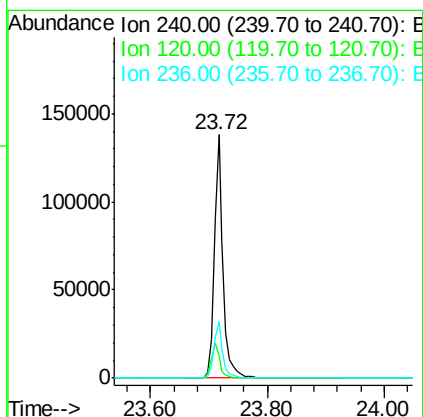
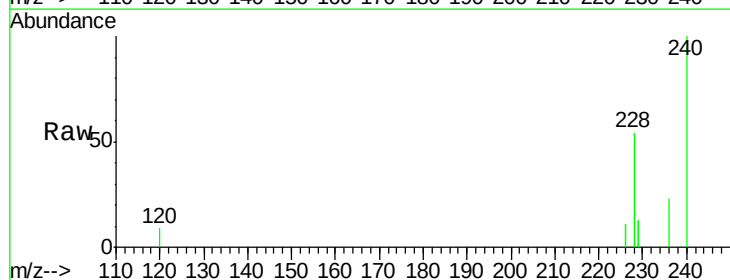
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

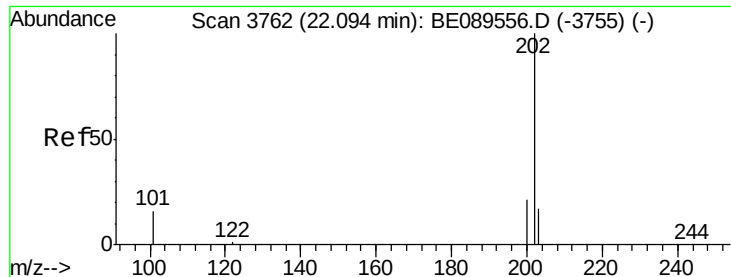
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.4	15.6
203	17.3	13.6	20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. 0.01 min
 Lab File: BE089559.D
 Acq: 10 Feb 2015 21:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.3	13.9#
236	23.2	19.3	28.9

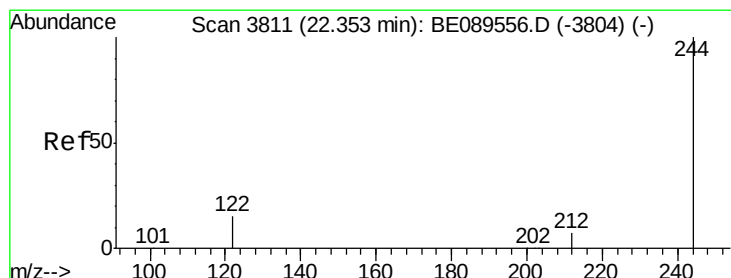
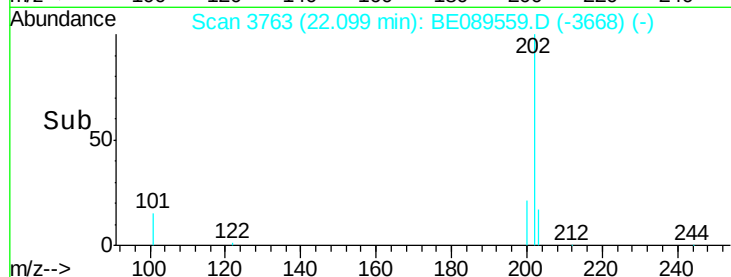
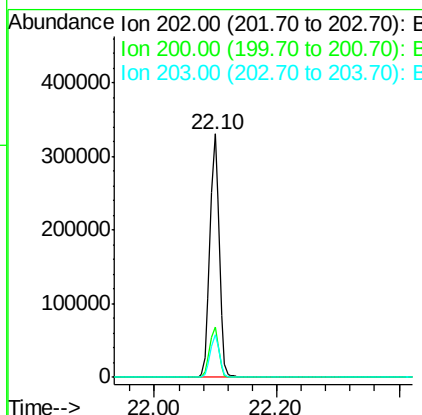
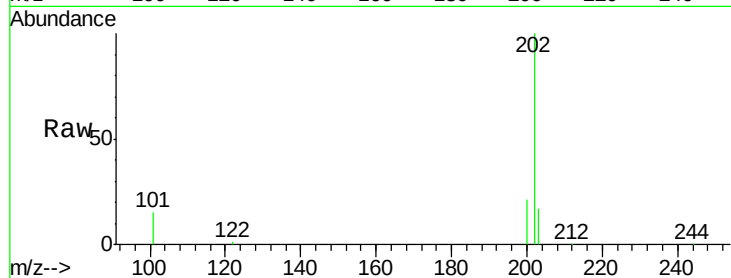




#17
 Pyrene
 Concen: 10.94 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. 0.00 min
 Lab File: BE089559.D
 Acq: 10 Feb 2015 21:04

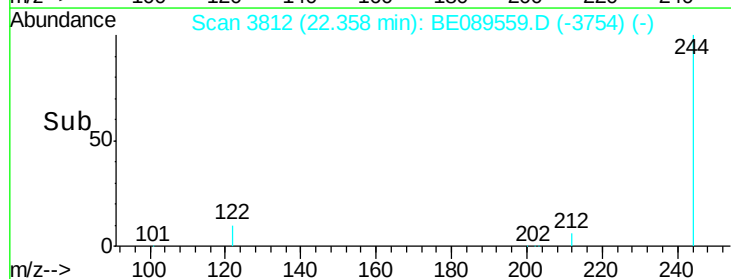
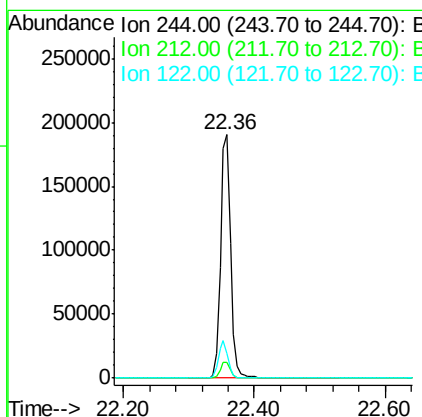
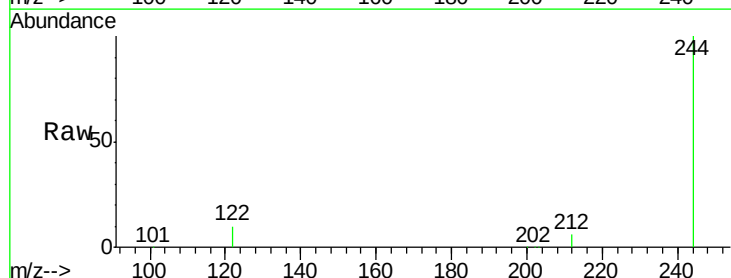
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

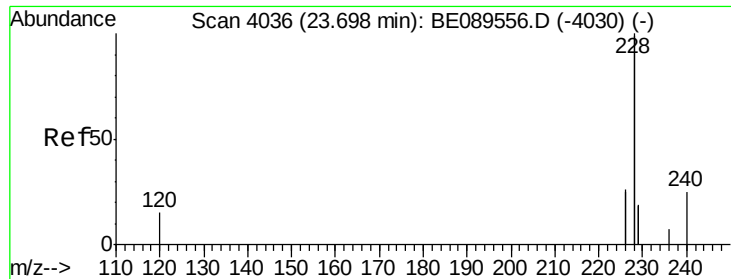
Tgt Ion: 202 Resp: 342719
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 24.8
 203 17.4 14.2 21.2



#18
 Terphenyl-d14
 Concen: 10.15 ng
 RT: 22.36 min Scan# 3812
 Delta R.T. 0.00 min
 Lab File: BE089559.D
 Acq: 10 Feb 2015 21:04

Tgt Ion: 244 Resp: 203688
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 10.4 12.2 18.2#





#19

Benzo(a)anthracene

Concen: 11.44 ng

RT: 23.70 min Scan# 4037

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

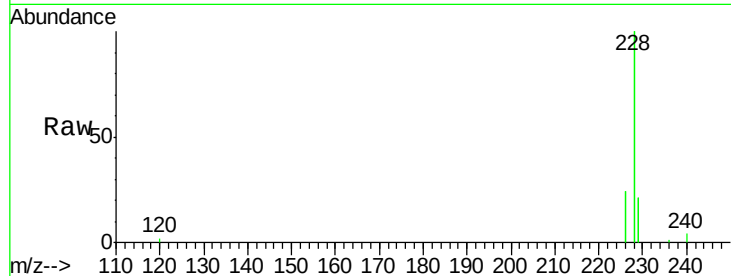
Tgt Ion:228 Resp: 1340771

Ion Ratio Lower Upper

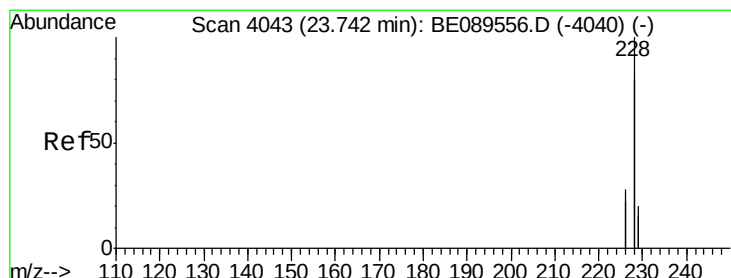
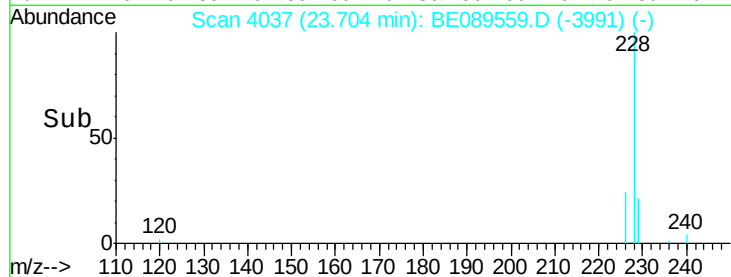
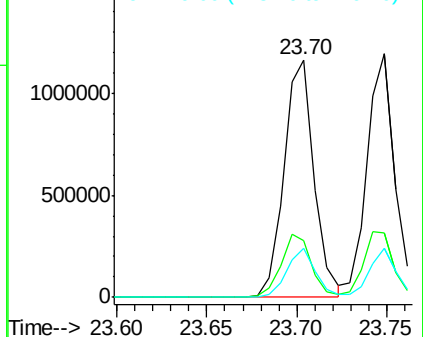
228 100

226 23.9 21.0 31.4

229 20.7 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: 10.57 ng

RT: 23.75 min Scan# 4044

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

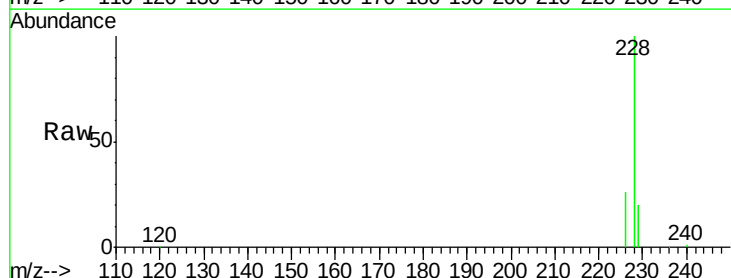
Tgt Ion:228 Resp: 1343618

Ion Ratio Lower Upper

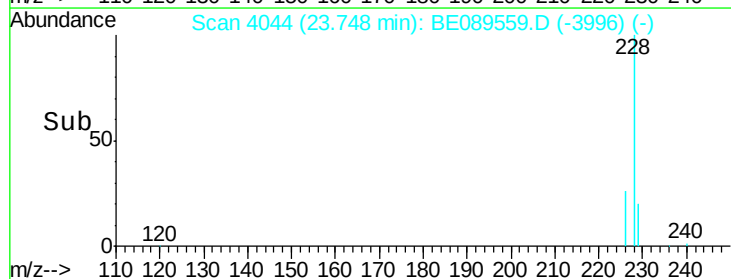
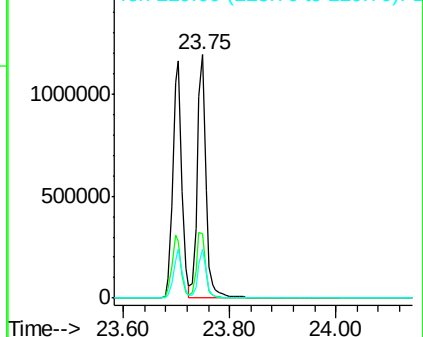
228 100

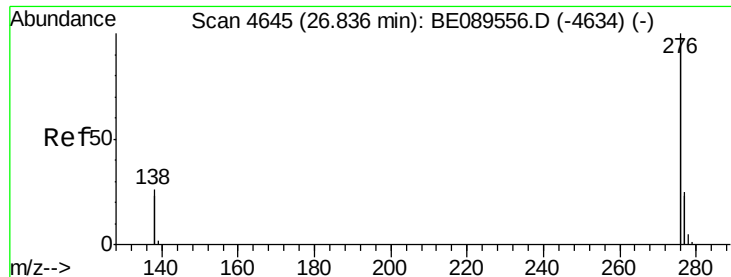
226 26.3 22.6 34.0

229 20.3 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: 15.80 ng

RT: 26.85 min Scan# 4647

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

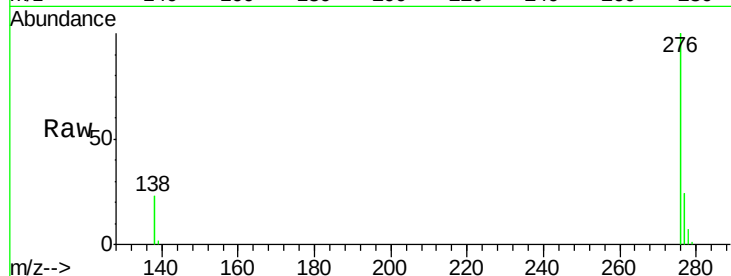
Tgt Ion:276 Resp: 1698111

Ion Ratio Lower Upper

276 100

138 28.0 20.2 30.4

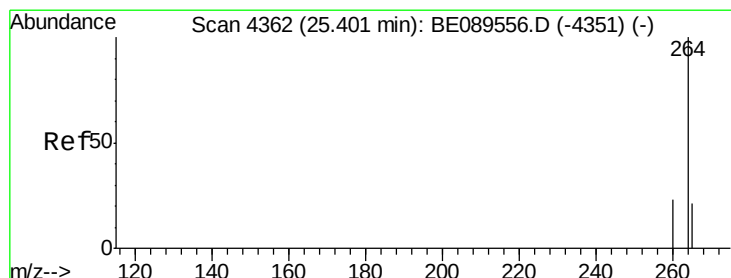
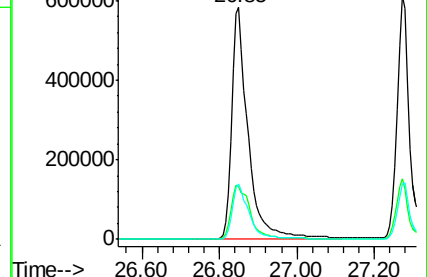
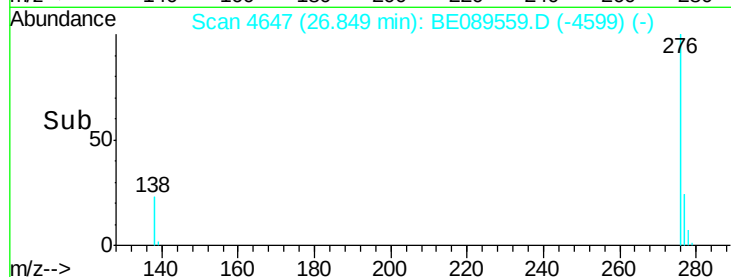
277 25.0 19.6 29.4



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: 25.40 min Scan# 4363

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

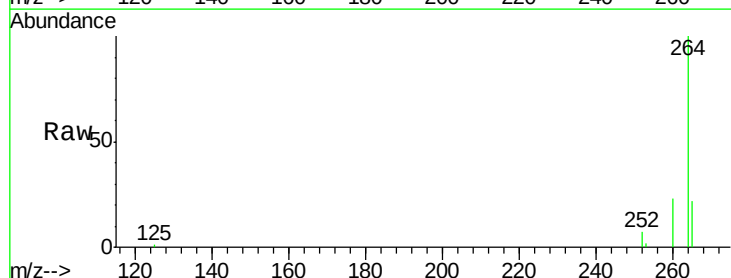
Tgt Ion:264 Resp: 152052

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

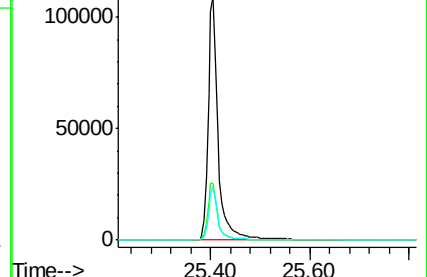
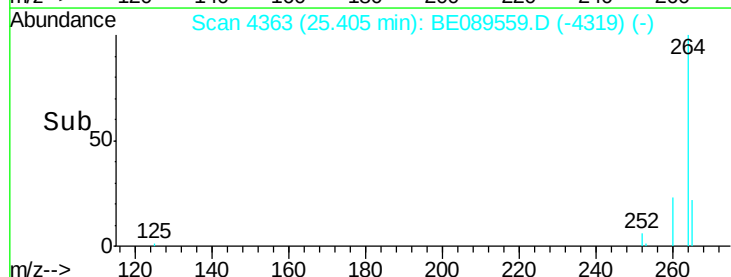
265 21.6 16.8 25.2

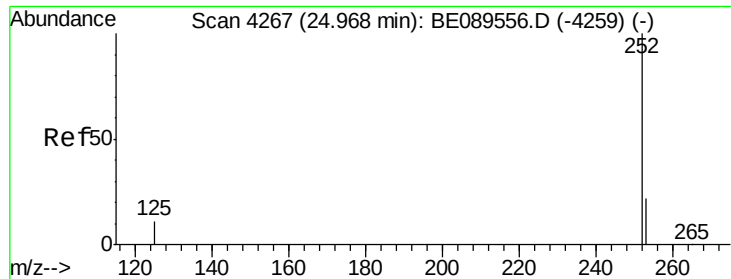


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 14.10 ng

RT: 24.97 min Scan# 4268

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010

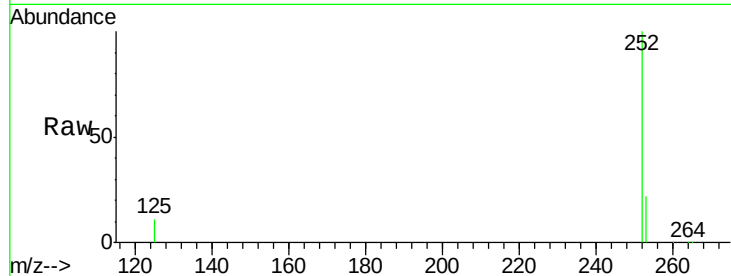
Tgt Ion:252 Resp: 317846

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

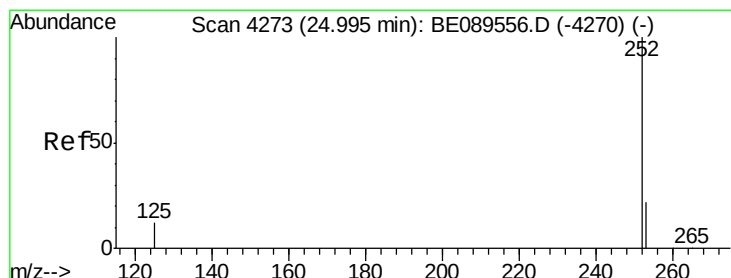
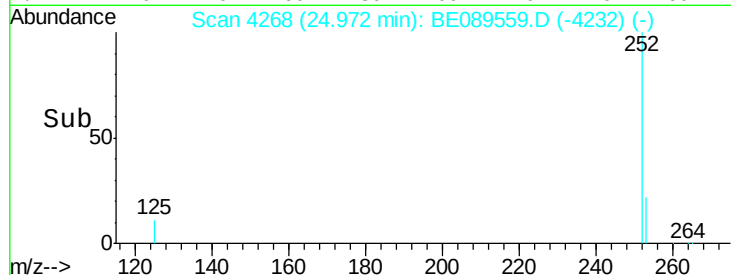
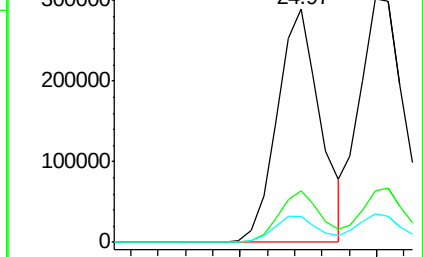
125 11.2 9.3 13.9



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: 11.17 ng

RT: 25.00 min Scan# 4274

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

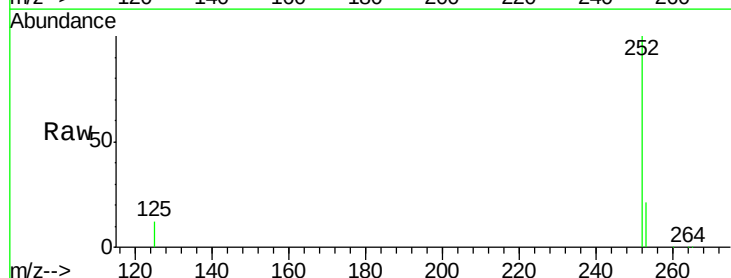
Tgt Ion:252 Resp: 400951

Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

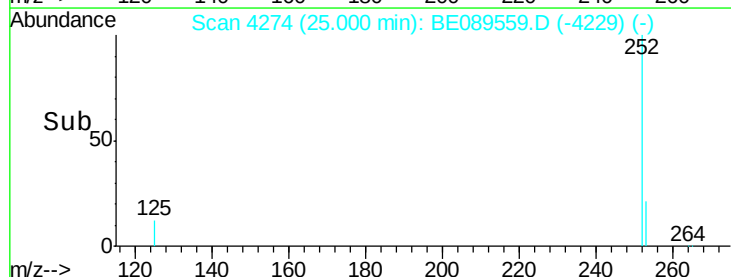
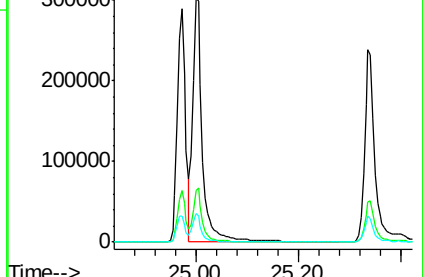
125 12.0 9.6 14.4

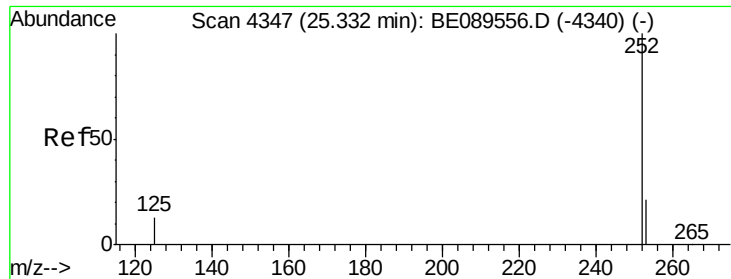


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 13.75 ng

RT: 25.34 min Scan# 4348

Delta R.T. 0.00 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDICC010

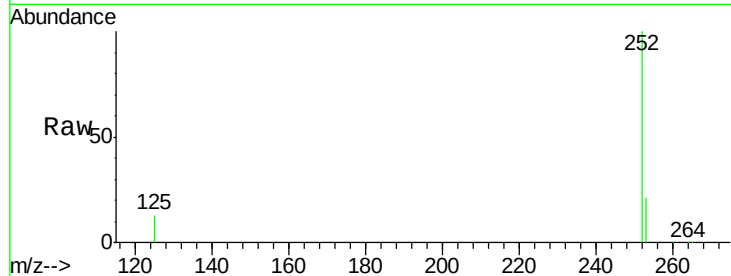
Tgt Ion:252 Resp: 317152

Ion Ratio Lower Upper

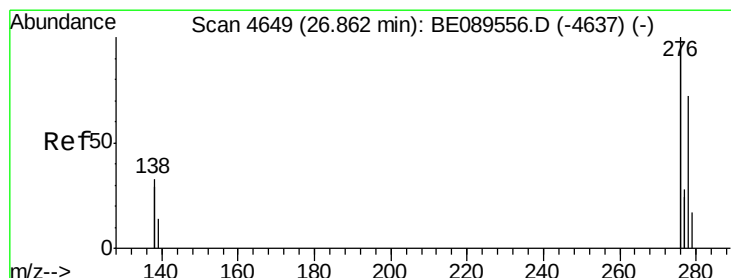
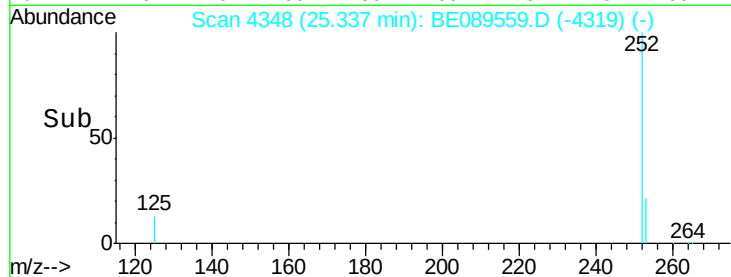
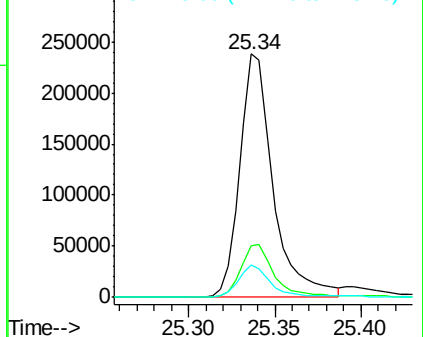
252 100

253 21.1 17.4 26.0

125 13.3 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: 15.37 ng

RT: 26.87 min Scan# 4651

Delta R.T. 0.01 min

Lab File: BE089559.D

Acq: 10 Feb 2015 21:04

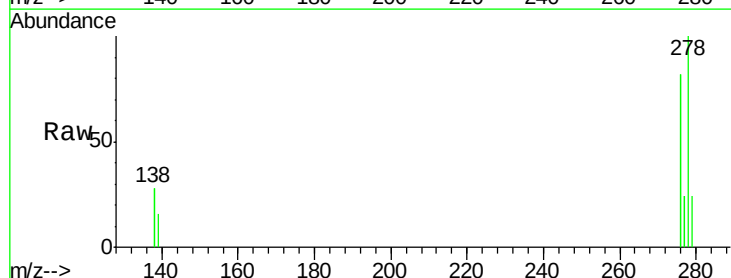
Tgt Ion:278 Resp: 362706

Ion Ratio Lower Upper

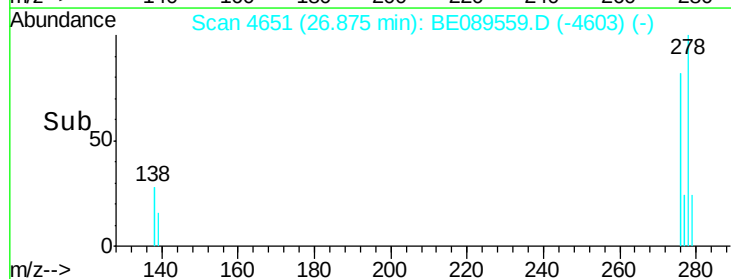
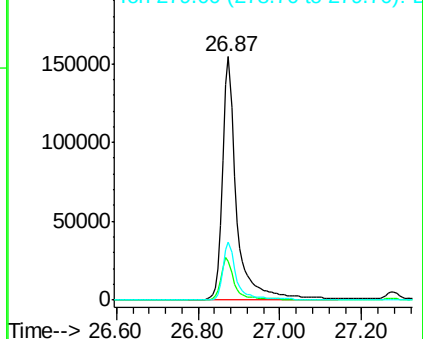
278 100

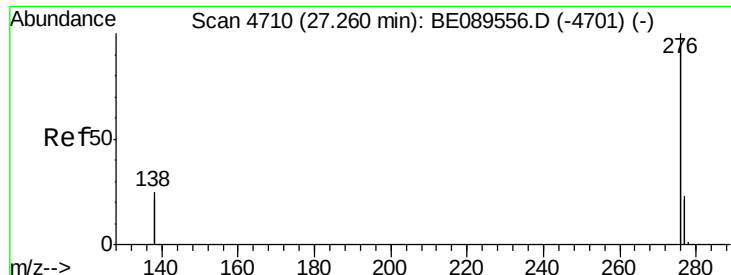
139 15.8 16.1 24.1#

279 23.8 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: 13.20 ng

RT: 27.27 min Scan# 4712

Delta R.T. 0.01 min

Lab File: BE089559.D

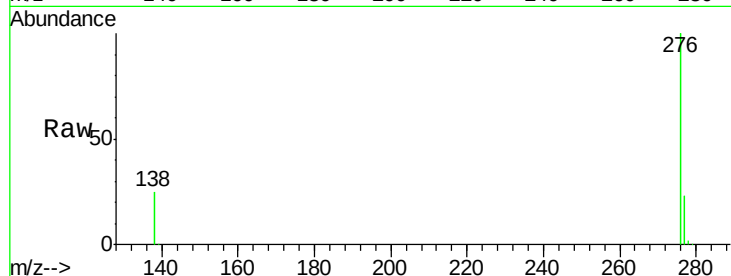
Acq: 10 Feb 2015 21:04

Instrument :

BNA_E

LabSampleId :

SSTDIC010



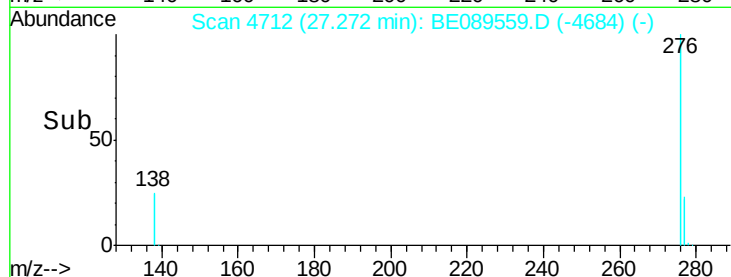
Tgt Ion:276 Resp: 1403882

Ion Ratio Lower Upper

276 100

277 22.9 18.7 28.1

138 24.9 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

800000

600000

400000

200000

0

27.20 27.27 27.40 27.60

Time-->