

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BE089437.D
 Acq On : 30 Jan 2015 8:07
 Operator : TP/IZ
 Sample : SSTDICC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Quant Time: Jan 31 04:44:43 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 04:33:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	139519	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	578595	5.00	ng	0.00
6) Acenaphthene-d10	16.70	164	270189	5.00	ng	0.00
11) Phenanthrene-d10	19.99	188	505579	5.00	ng	0.00
16) Chrysene-d12	23.84	240	447827	5.00	ng	0.00
22) Perylene-d12	25.55	264	435976	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	36213	1.21	ng	0.00
7) 2-Fluorobiphenyl	15.14	172	69910	1.14	ng	0.00
18) Terphenyl-d14	22.48	244	66925	1.15	ng	0.00

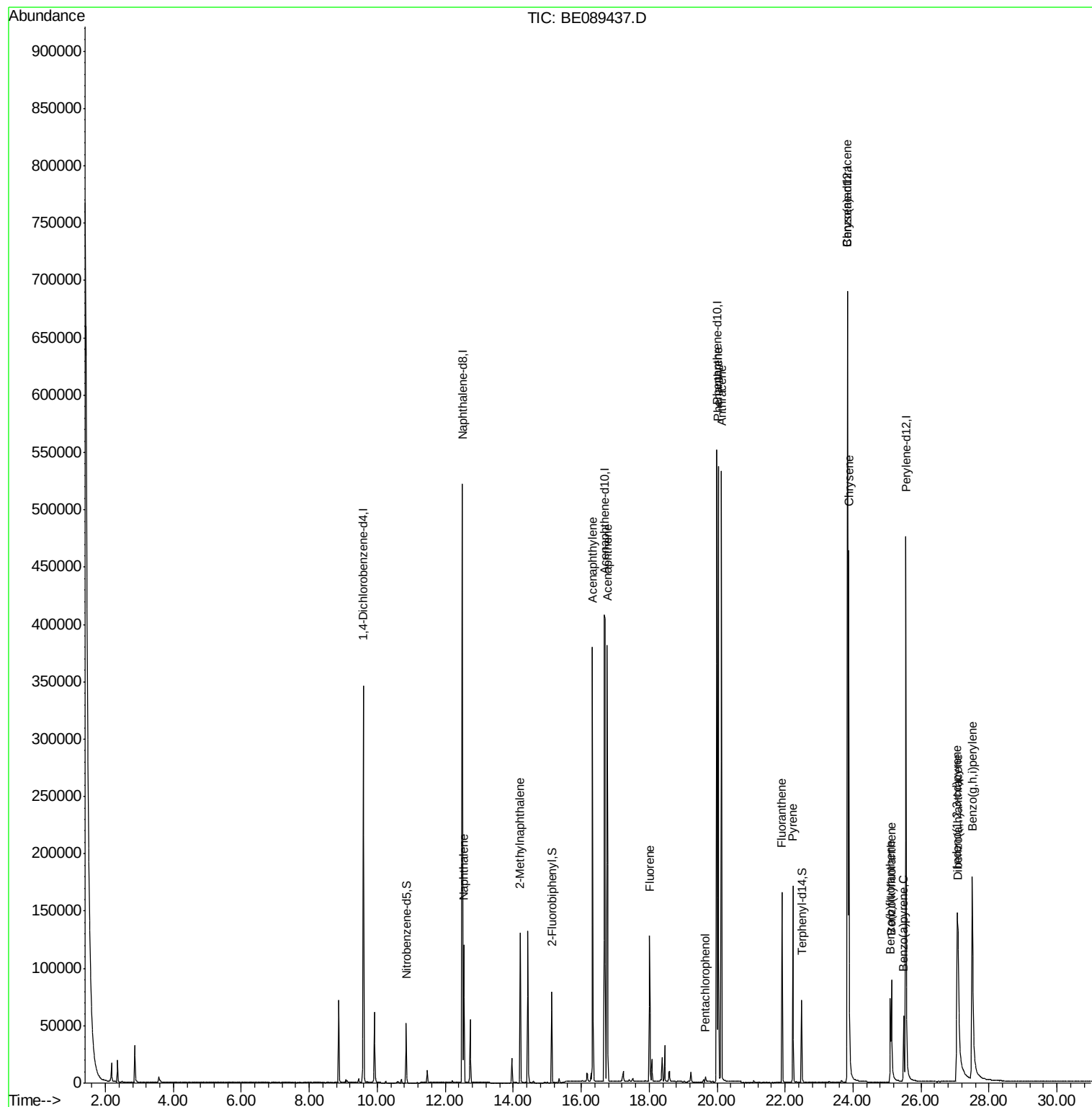
Target Compounds					Qvalue	
4) Naphthalene	12.55	128	130998	1.18	ng	100
5) 2-Methylnaphthalene	14.21	142	81403	1.18	ng	100
8) Acenaphthylene	16.34	152	477886	1.25	ng	100
9) Acenaphthene	16.76	154	70939	1.17	ng	100
10) Fluorene	18.02	166	80712	1.28	ng	100
12) Pentachlorophenol	19.66	266	2669	0.44	ng	100
13) Phenanthrene	20.03	178	489609	1.13	ng	100
14) Anthracene	20.12	178	454841	1.15	ng	100
15) Fluoranthene	21.91	202	110652	1.29	ng	100
17) Pyrene	22.23	202	116455	1.04	ng	100
19) Benzo(a)anthracene	23.83	228	372622	1.23	ng	100
20) Chrysene	23.87	228	416697	1.10	ng	100
21) Indeno(1,2,3-cd)pyrene	27.06	276	395380	1.88	ng	100
23) Benzo(b)fluoranthene	25.10	252	69799	1.37	ng	100
24) Benzo(k)fluoranthene	25.13	252	111057	1.26	ng	100
25) Benzo(a)pyrene	25.49	252	70639	1.36	ng	100
26) Dibenzo(a,h)anthracene	27.09	278	81038	1.88	ng	100
27) Benzo(g,h,i)perylene	27.51	276	351400	1.39	ng	100

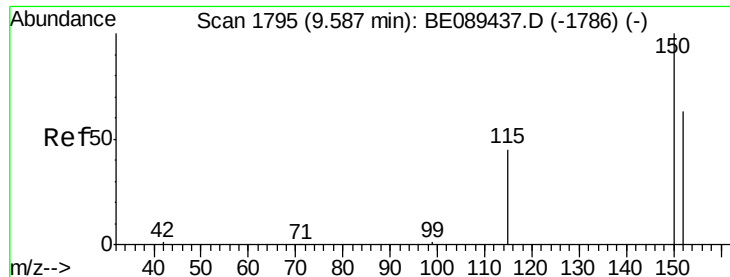
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDICC001

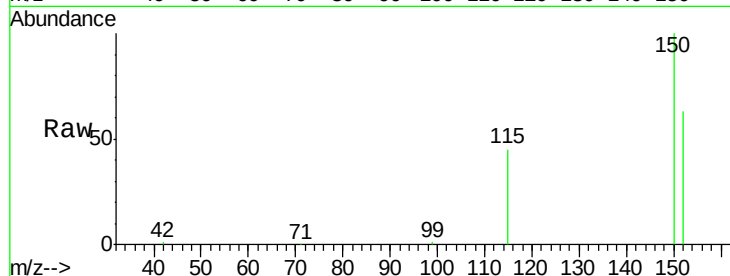
Tgt Ion:152 Resp: 139519

Ion Ratio Lower Upper

152 100

150 159.0 127.2 190.8

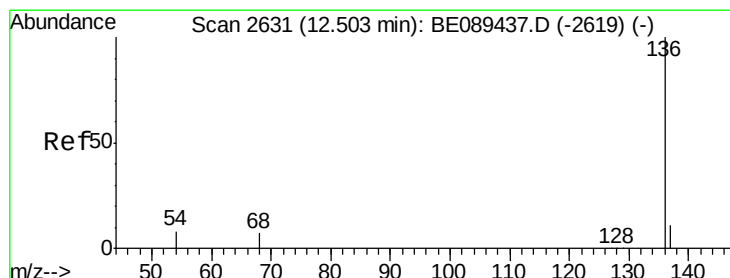
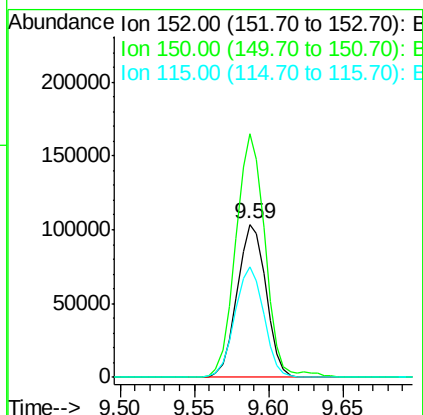
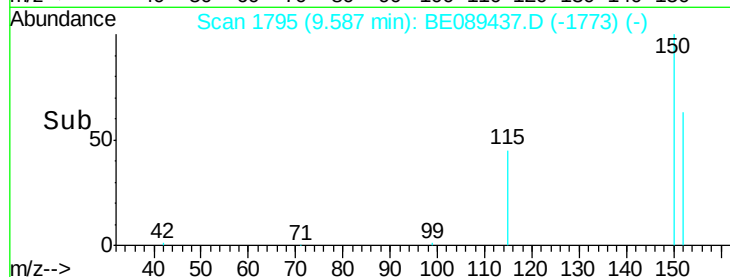
115 71.9 57.5 86.3



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: 12.50 min Scan# 2631

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

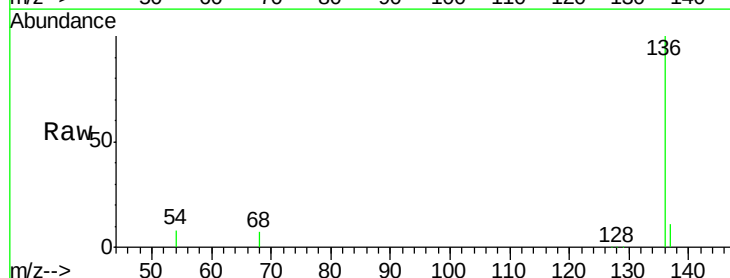
Tgt Ion:136 Resp: 578595

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

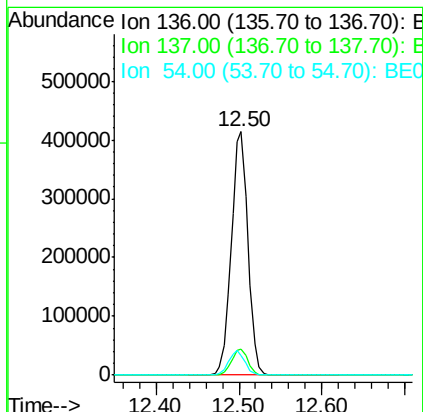
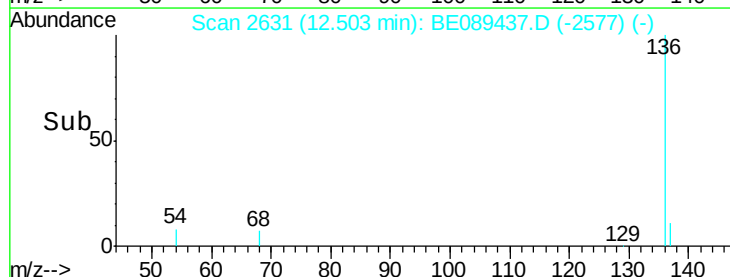
54 8.3 6.6 10.0

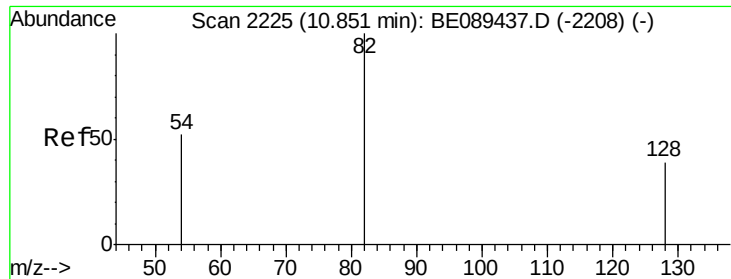


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.21 ng

RT: 10.85 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDICC001

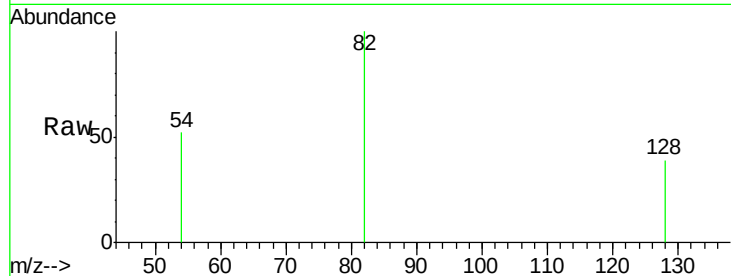
Tgt Ion: 82 Resp: 36213

Ion Ratio Lower Upper

82 100

128 39.0 31.2 46.8

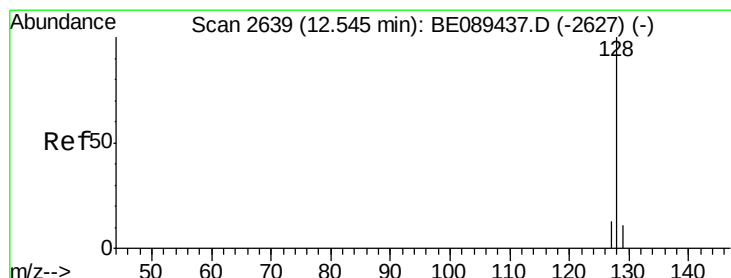
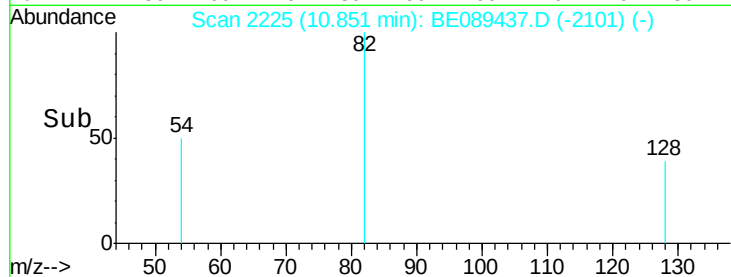
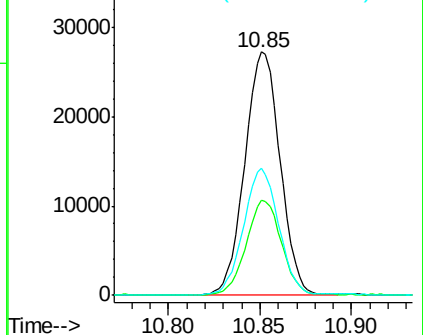
54 52.4 41.9 62.9



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: 1.18 ng

RT: 12.55 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

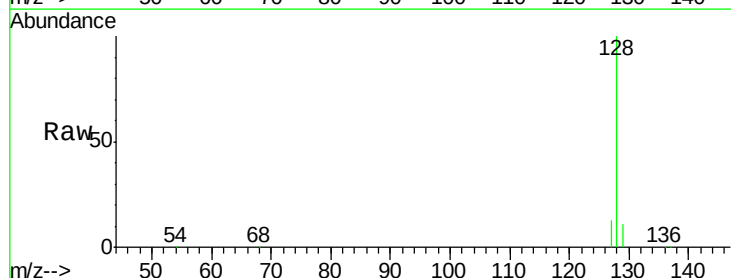
Tgt Ion: 128 Resp: 130998

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

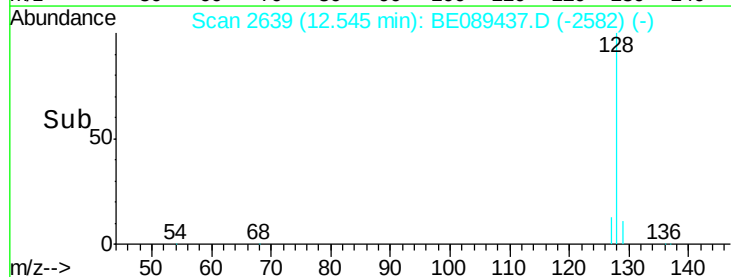
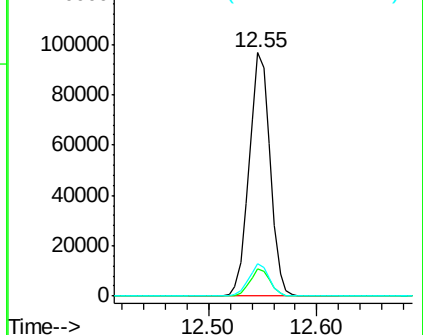
127 13.3 10.6 16.0

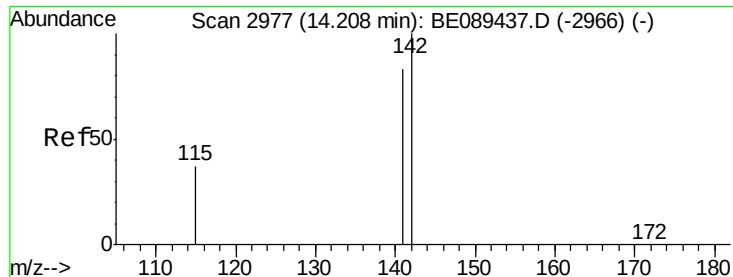


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 1.18 ng

RT: 14.21 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDIC001

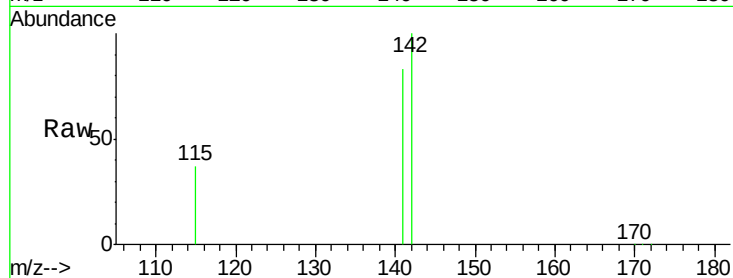
Tgt Ion:142 Resp: 81403

Ion Ratio Lower Upper

142 100

141 82.6 66.1 99.1

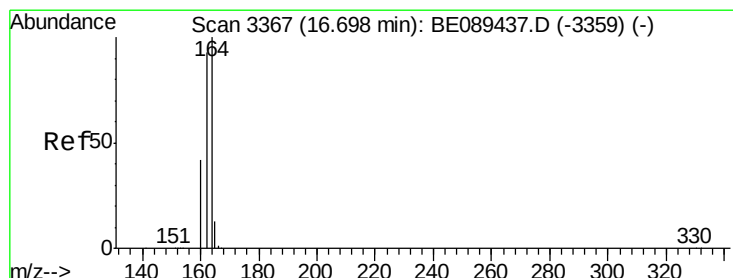
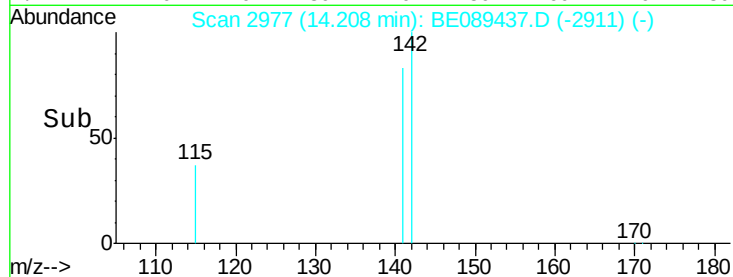
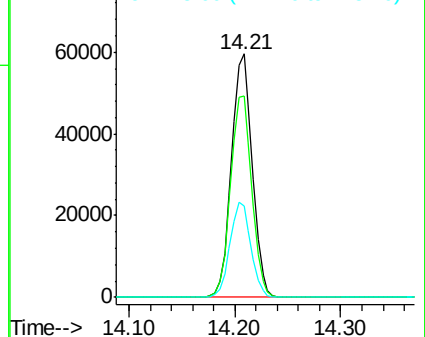
115 37.4 29.9 44.9



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: 16.70 min Scan# 3367

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

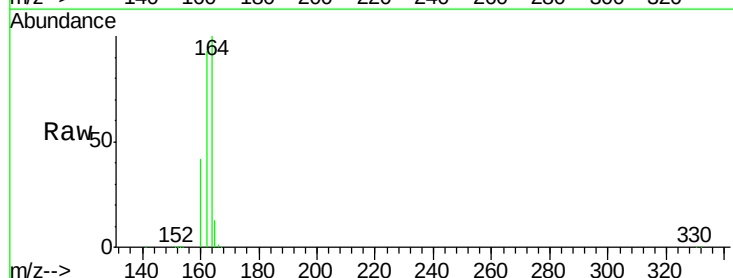
Tgt Ion:164 Resp: 270189

Ion Ratio Lower Upper

164 100

162 93.4 74.7 112.1

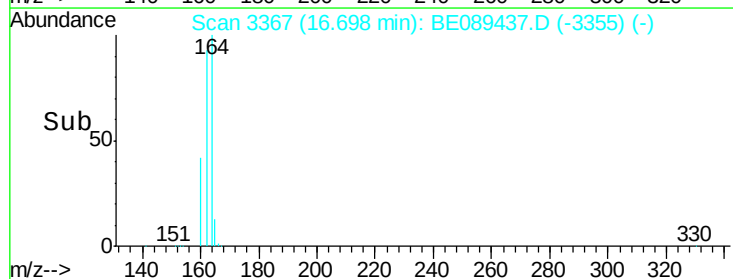
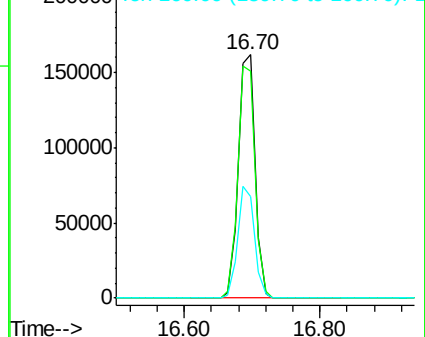
160 41.7 33.4 50.0

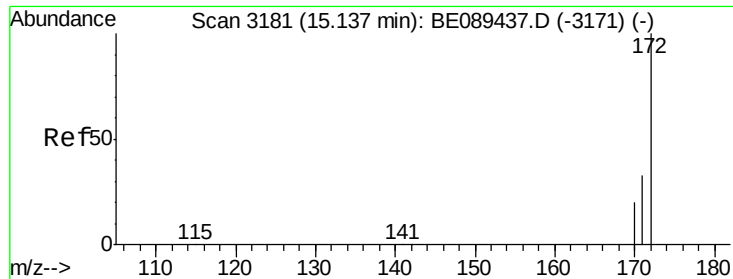


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.14 ng

RT: 15.14 min Scan# 3181

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDIC001

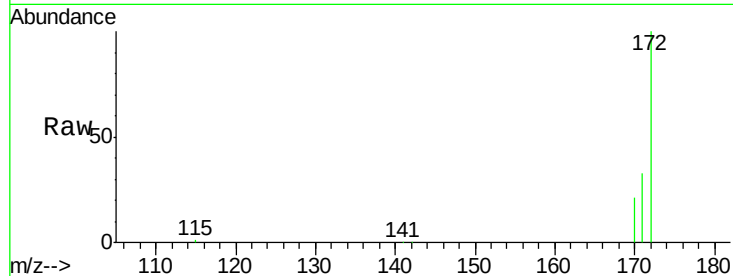
Tgt Ion:172 Resp: 69910

Ion Ratio Lower Upper

172 100

171 32.8 26.2 39.4

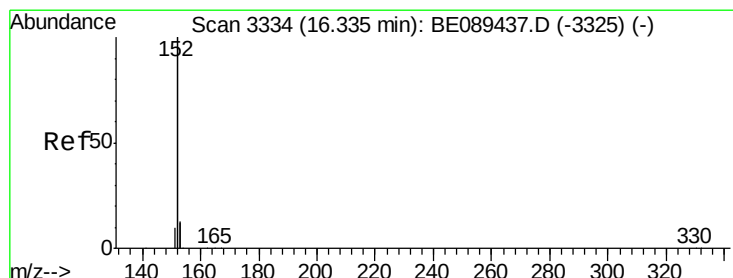
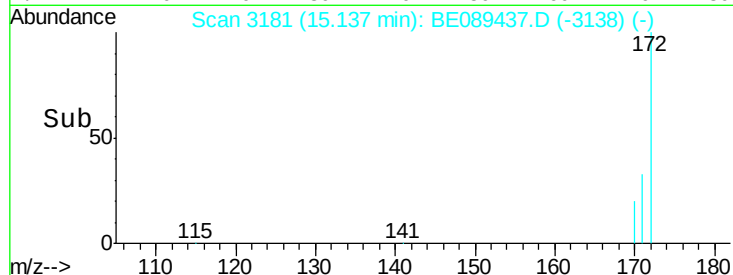
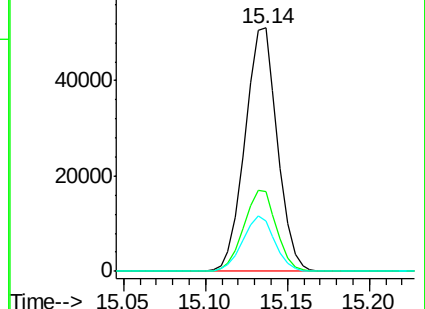
170 20.6 16.5 24.7



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: 1.25 ng

RT: 16.34 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

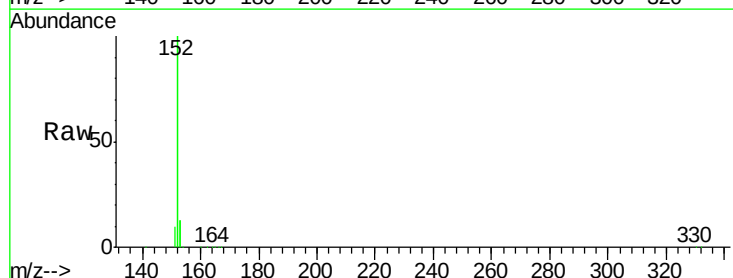
Tgt Ion:152 Resp: 477886

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

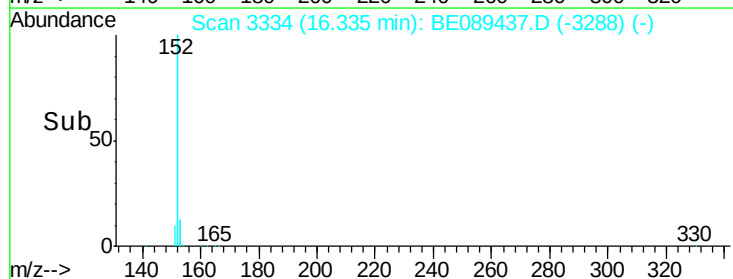
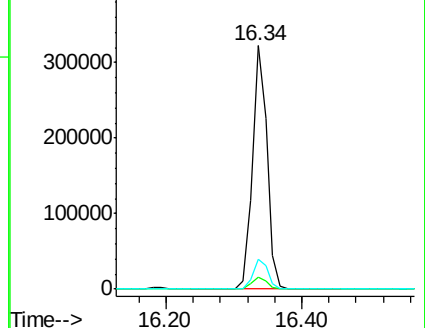
153 12.9 10.3 15.5

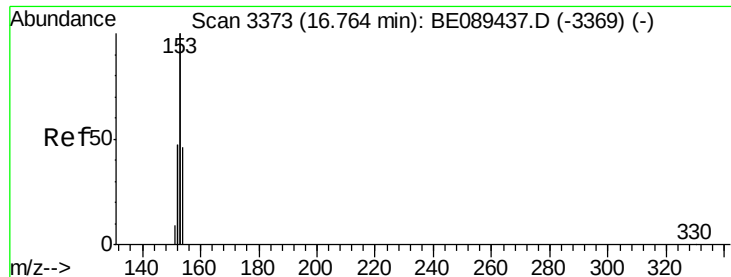


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.17 ng

RT: 16.76 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDIC001

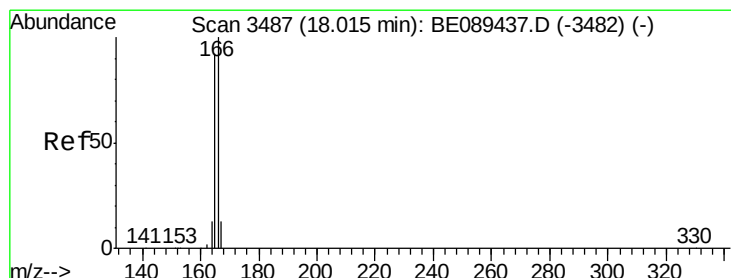
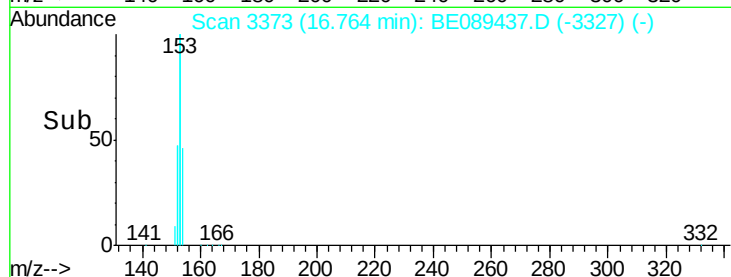
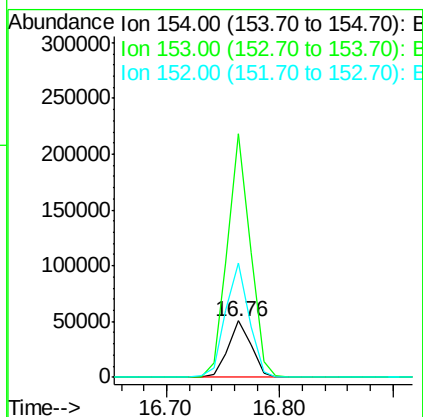
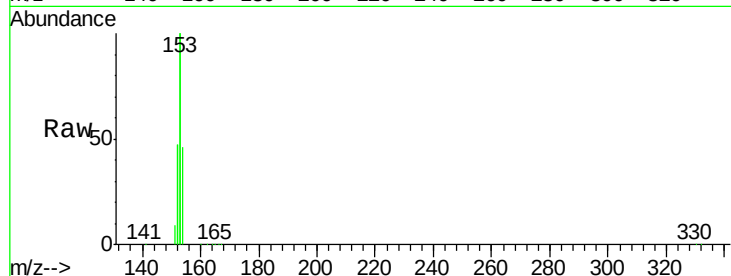
Tgt Ion:154 Resp: 70939

Ion Ratio Lower Upper

154 100

153 427.9 342.3 513.5

152 206.9 165.5 248.3



#10

Fluorene

Concen: 1.28 ng

RT: 18.02 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

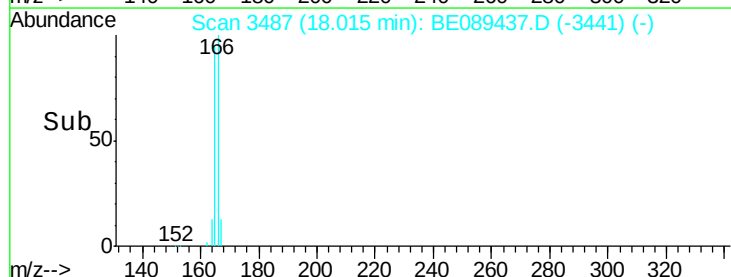
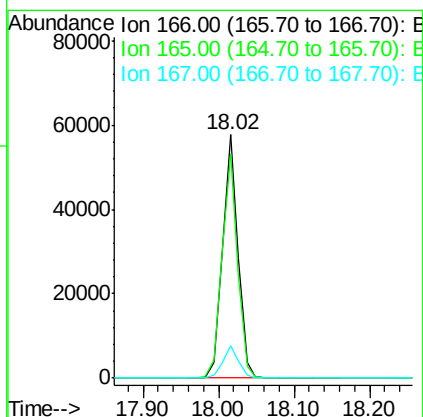
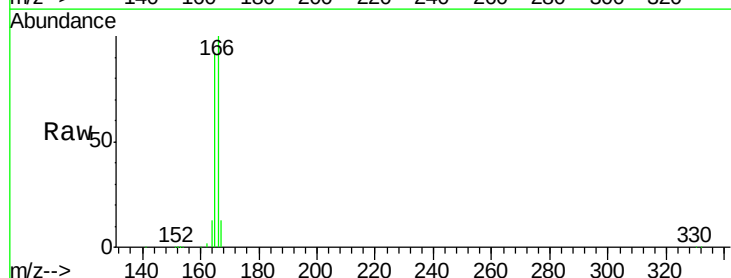
Tgt Ion:166 Resp: 80712

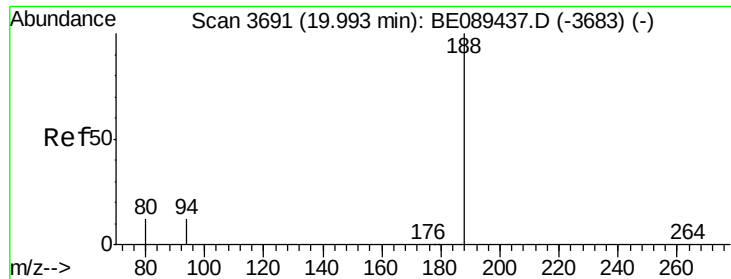
Ion Ratio Lower Upper

166 100

165 93.0 74.4 111.6

167 13.2 10.6 15.8

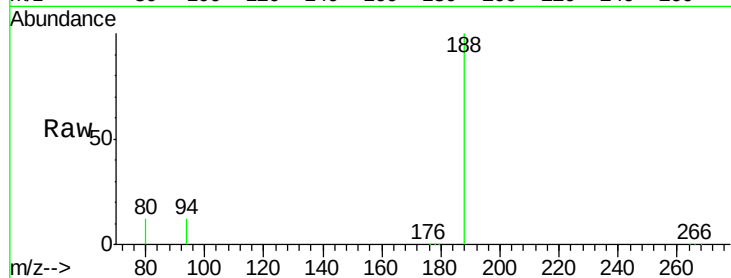




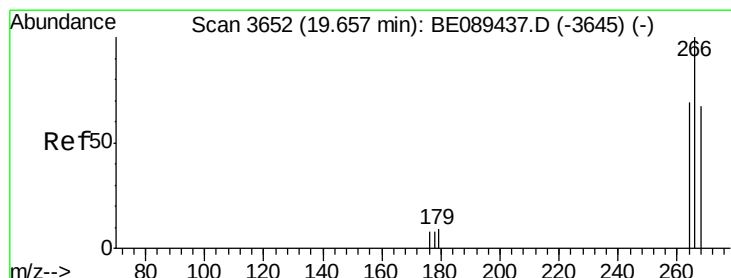
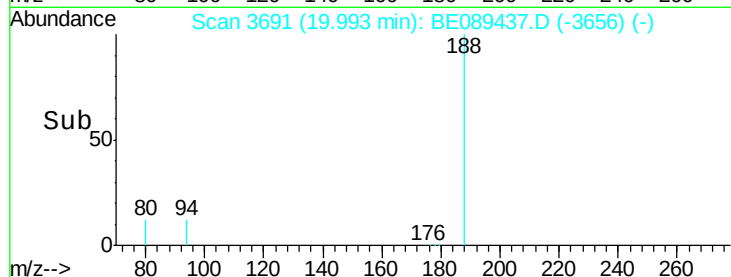
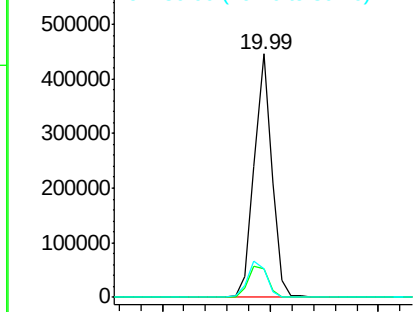
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE089437.D
Acq: 30 Jan 2015 8:07

Instrument :
BNA_E
LabSampleId :
SSTDIC001

Tgt Ion:188 Resp: 505579
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.0
80 11.6 9.3 13.9

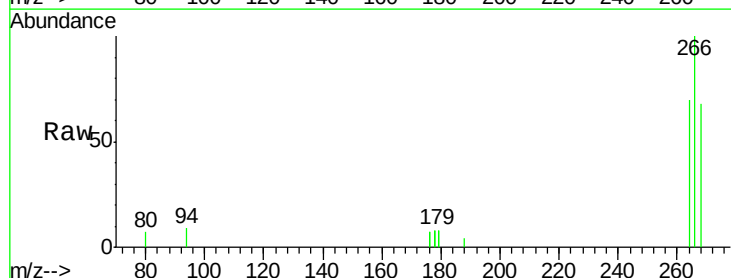


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

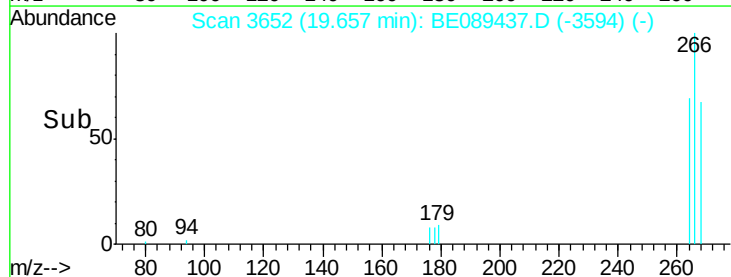
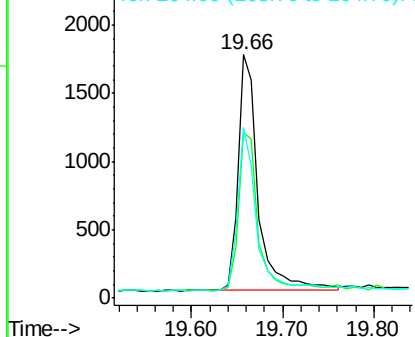


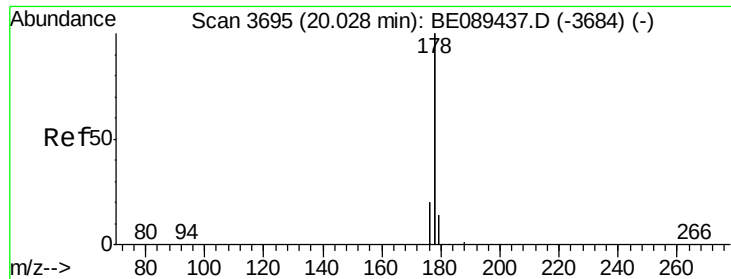
#12
Pentachlorophenol
Concen: 0.44 ng
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BE089437.D
Acq: 30 Jan 2015 8:07

Tgt Ion:266 Resp: 2669
Ion Ratio Lower Upper
266 100
268 67.8 54.2 81.4
264 70.2 56.2 84.2



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: 1.13 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDICC001

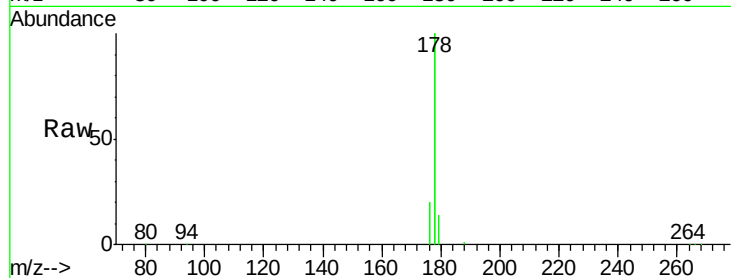
Tgt Ion:178 Resp: 489609

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

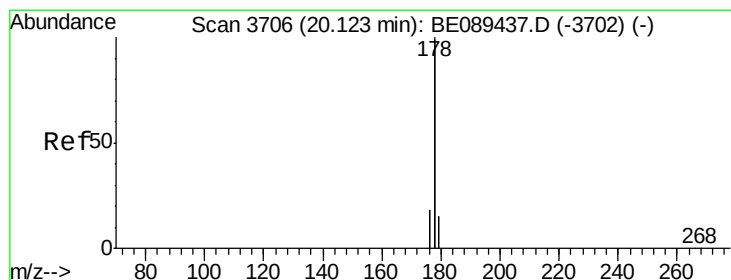
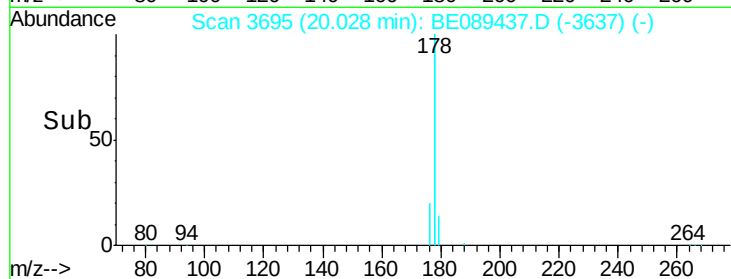
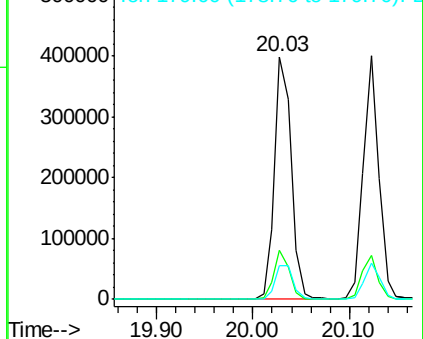
179 15.4 12.3 18.5



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: 1.15 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

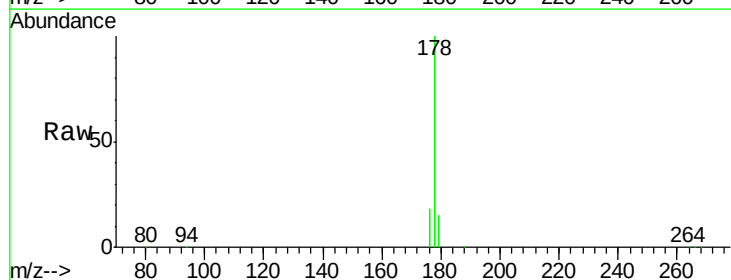
Tgt Ion:178 Resp: 454841

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

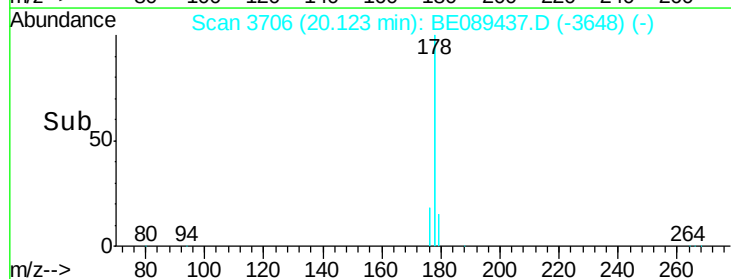
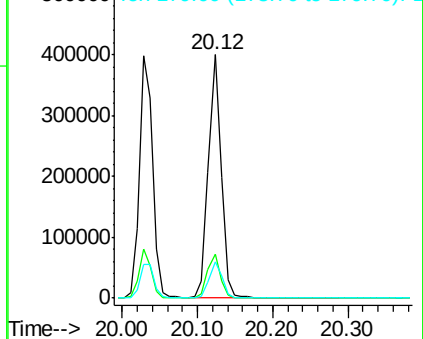
179 15.2 12.2 18.2

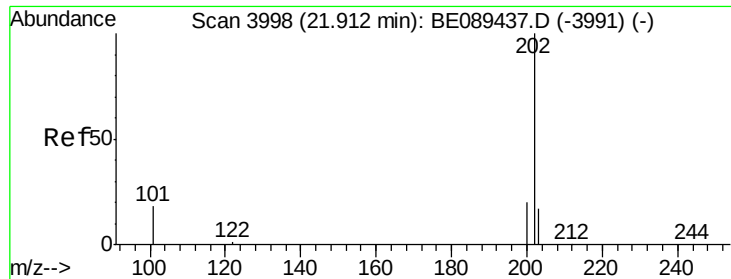


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

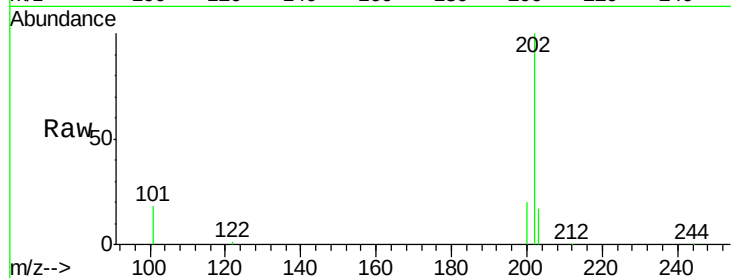




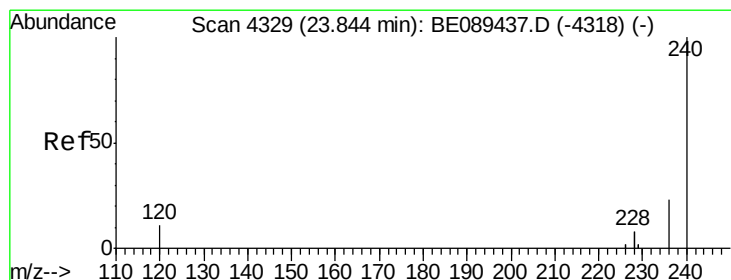
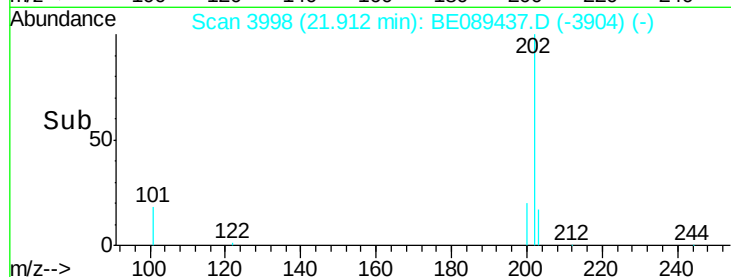
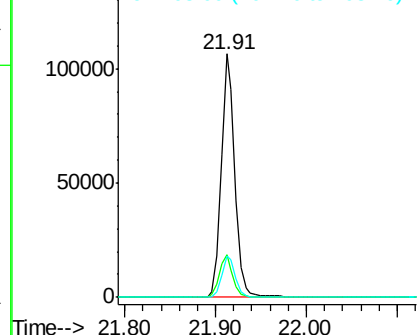
#15
 Fluoranthene
 Concen: 1.29 ng
 RT: 21.91 min Scan# 3998
 Delta R.T. 0.00 min
 Lab File: BE089437.D
 Acq: 30 Jan 2015 8:07

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

Tgt Ion: 202 Resp: 110652
 Ion Ratio Lower Upper
 202 100
 101 17.0 13.6 20.4
 203 17.2 13.8 20.6

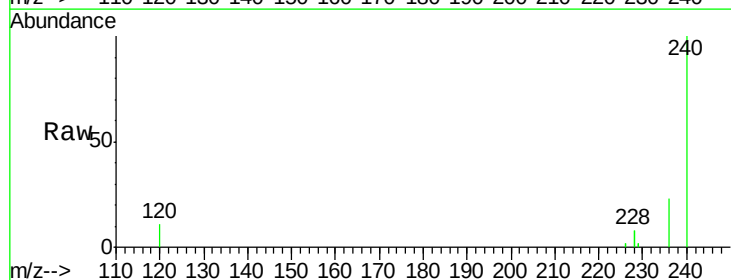


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

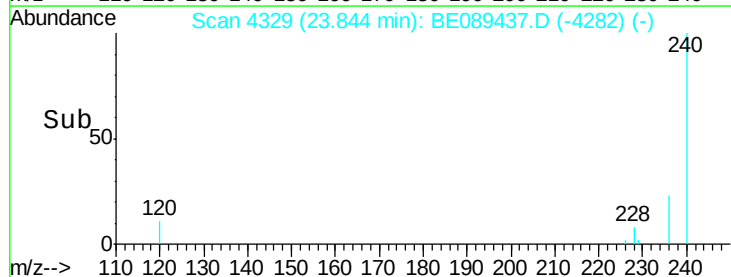
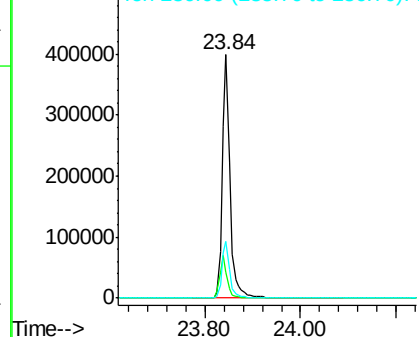


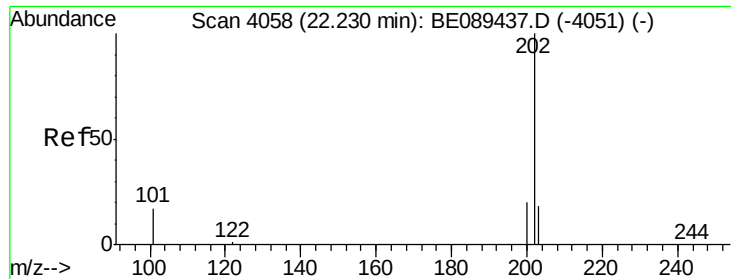
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 4329
 Delta R.T. 0.00 min
 Lab File: BE089437.D
 Acq: 30 Jan 2015 8:07

Tgt Ion: 240 Resp: 447827
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.6 13.0
 236 23.4 18.7 28.1



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

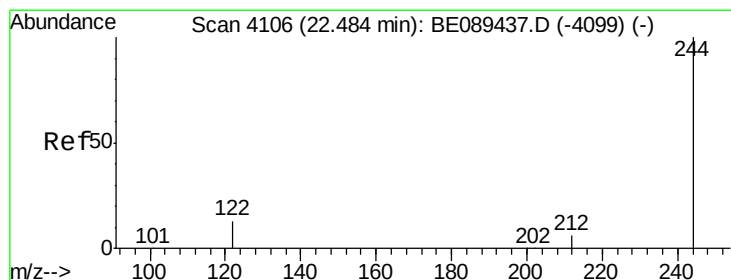
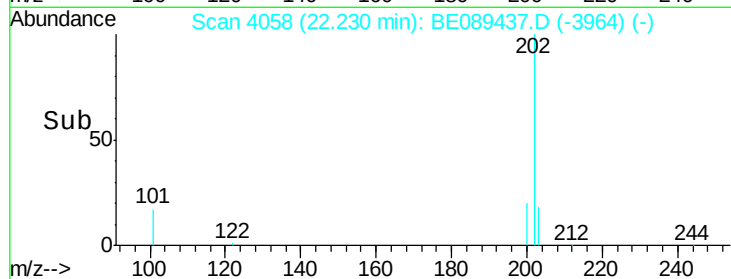
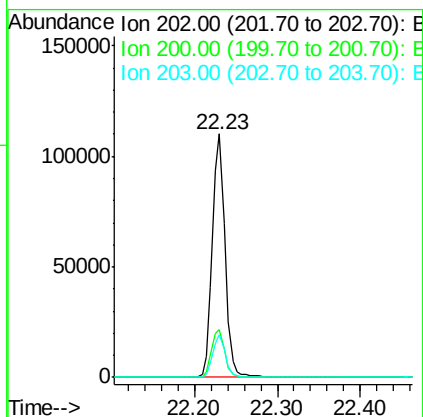
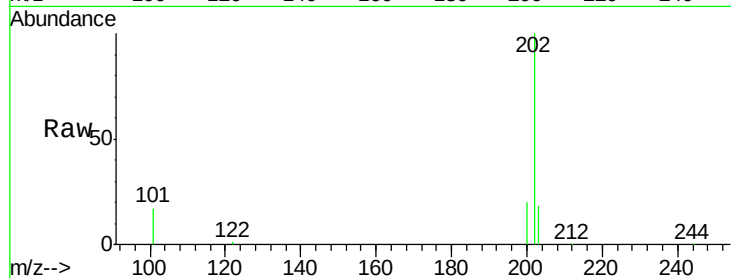




#17
 Pyrene
 Concen: 1.04 ng
 RT: 22.23 min Scan# 4058
 Delta R.T. 0.00 min
 Lab File: BE089437.D
 Acq: 30 Jan 2015 8:07

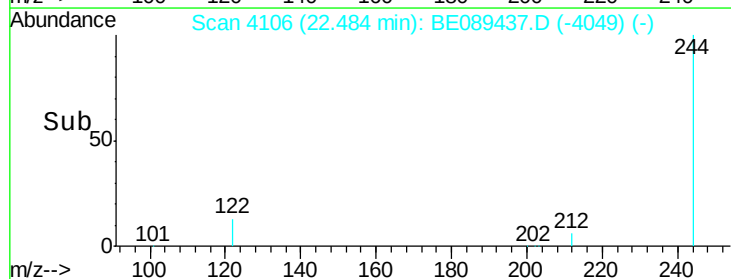
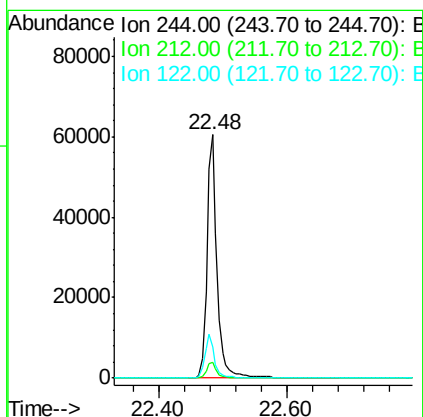
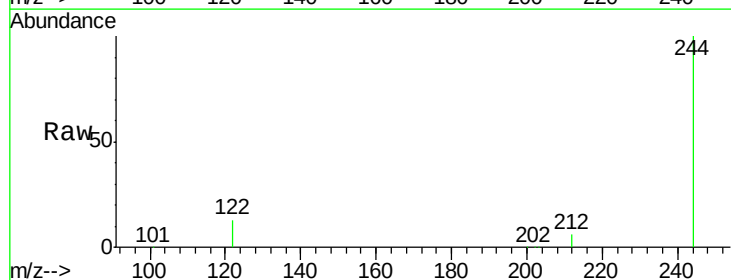
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

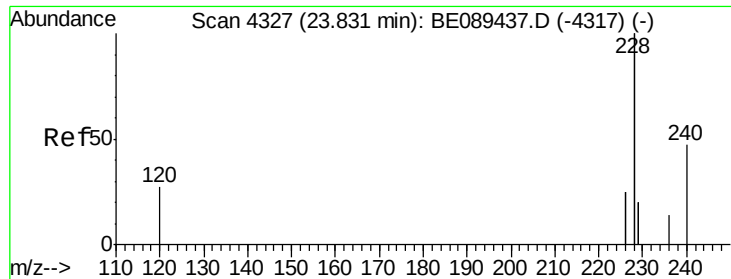
Tgt Ion: 202 Resp: 116455
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.4
 203 17.3 13.8 20.8



#18
 Terphenyl-d14
 Concen: 1.15 ng
 RT: 22.48 min Scan# 4106
 Delta R.T. 0.00 min
 Lab File: BE089437.D
 Acq: 30 Jan 2015 8:07

Tgt Ion: 244 Resp: 66925
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.6
 122 12.8 10.2 15.4





#19

Benzo(a)anthracene

Concen: 1.23 ng

RT: 23.83 min Scan# 4327

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDICC001

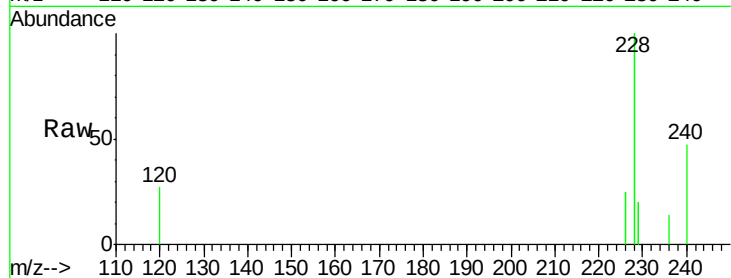
Tgt Ion:228 Resp: 372622

Ion Ratio Lower Upper

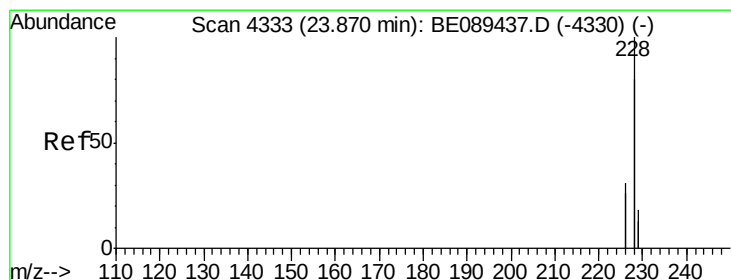
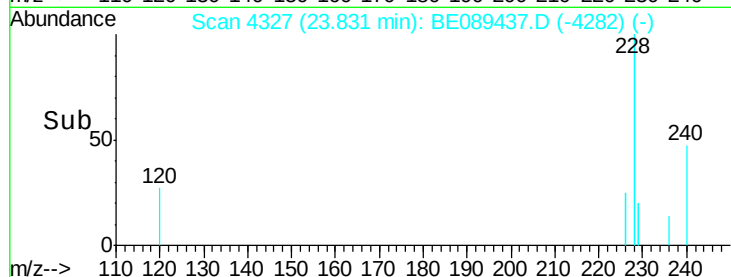
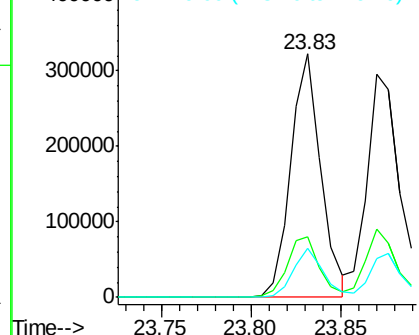
228 100

226 25.0 20.0 30.0

229 20.0 16.0 24.0



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: 1.10 ng

RT: 23.87 min Scan# 4333

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

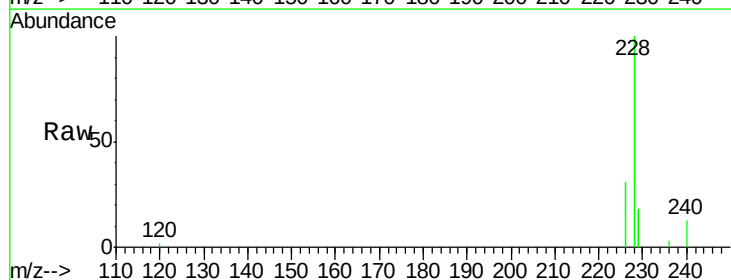
Tgt Ion:228 Resp: 416697

Ion Ratio Lower Upper

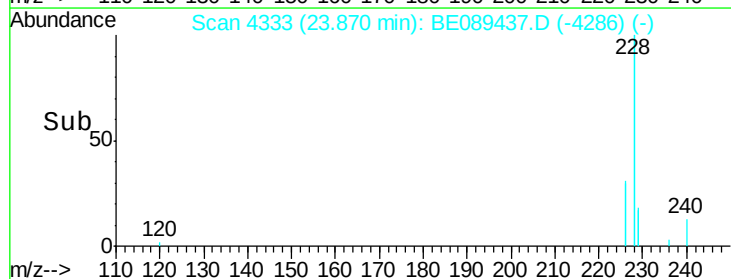
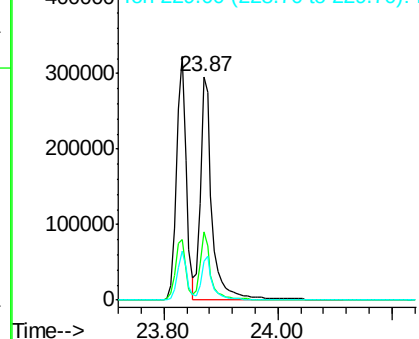
228 100

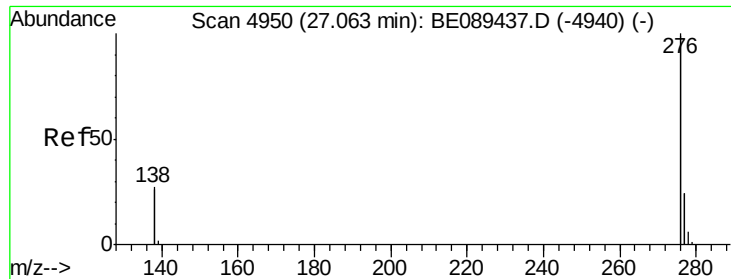
226 30.6 24.5 36.7

229 17.6 14.1 21.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.88 ng

RT: 27.06 min Scan# 4950

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDIC001

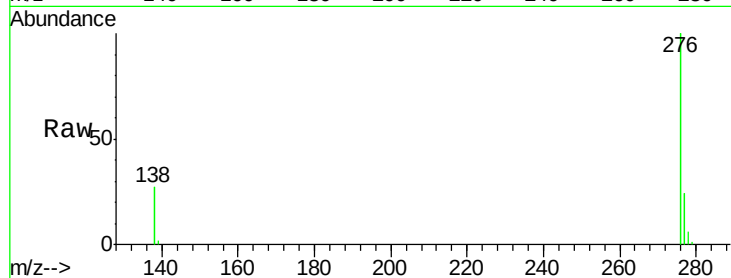
Tgt Ion:276 Resp: 395380

Ion Ratio Lower Upper

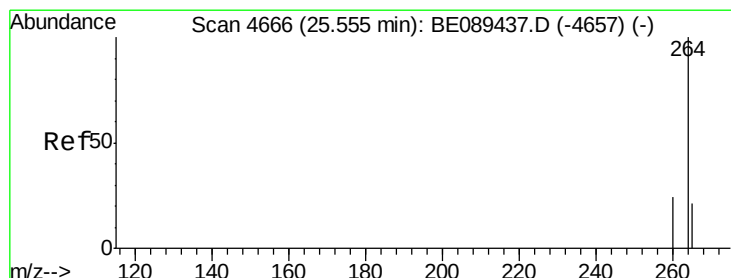
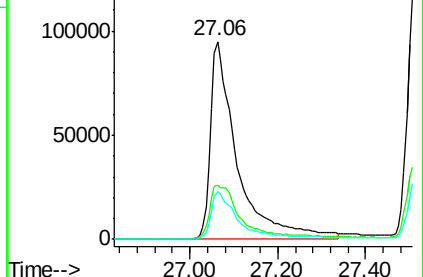
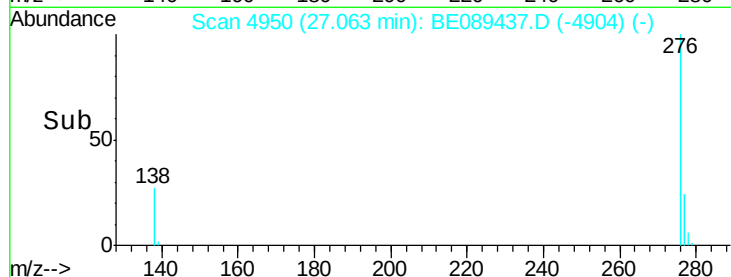
276 100

138 31.7 25.4 38.0

277 24.7 19.8 29.6



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: 25.55 min Scan# 4666

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

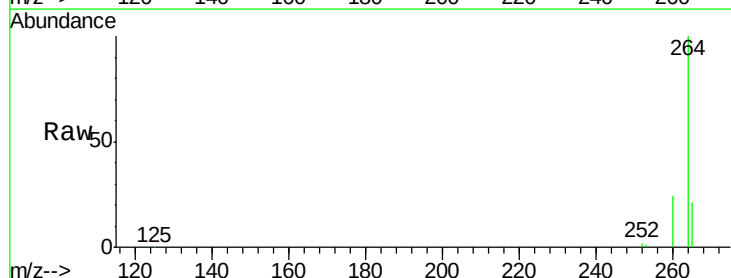
Tgt Ion:264 Resp: 435976

Ion Ratio Lower Upper

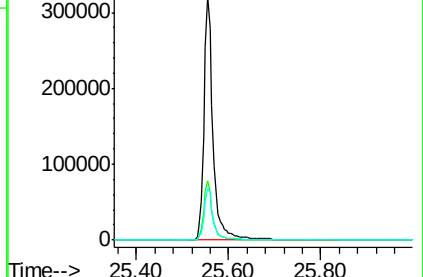
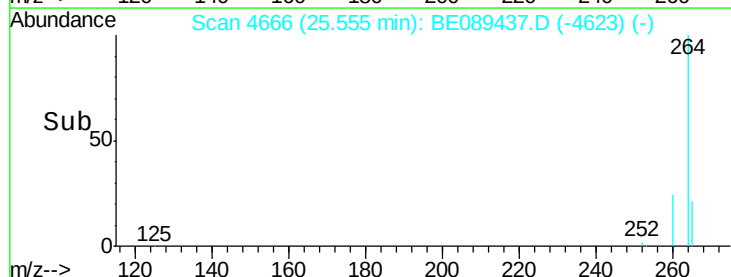
264 100

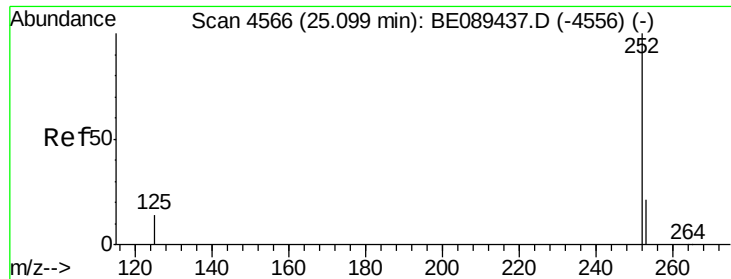
260 24.2 19.4 29.0

265 21.3 17.0 25.6



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: 1.37 ng

RT: 25.10 min Scan# 4566

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDICC001

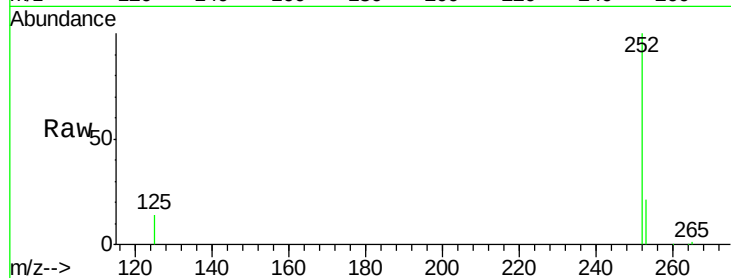
Tgt Ion:252 Resp: 69799

Ion Ratio Lower Upper

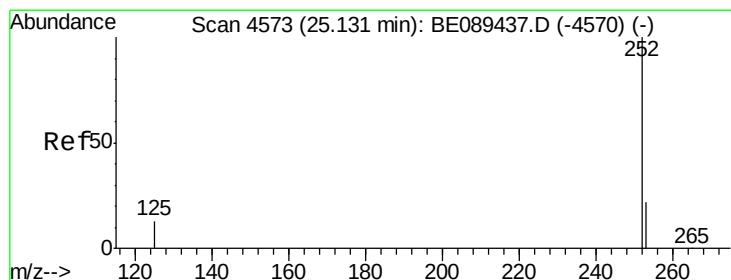
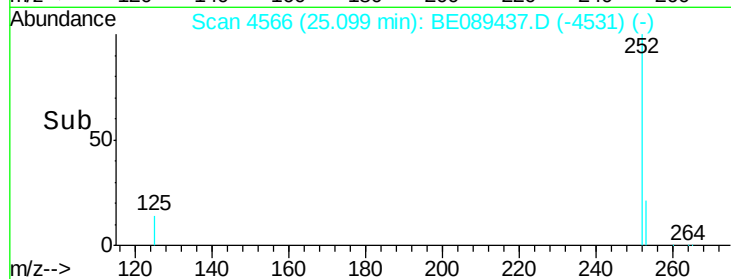
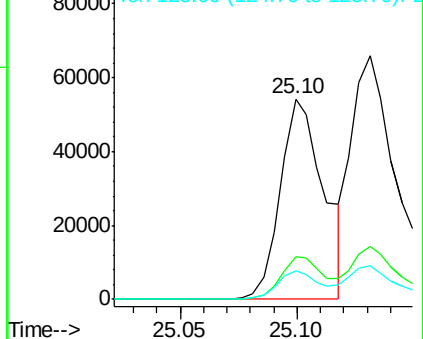
252 100

253 21.3 17.0 25.6

125 14.2 11.4 17.0



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: 1.26 ng

RT: 25.13 min Scan# 4573

Delta R.T. 0.00 min

Lab File: BE089437.D

Acq: 30 Jan 2015 8:07

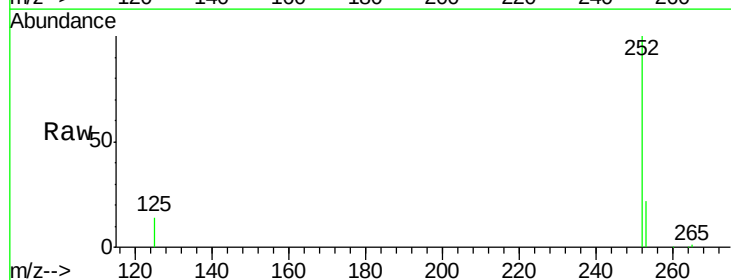
Tgt Ion:252 Resp: 111057

Ion Ratio Lower Upper

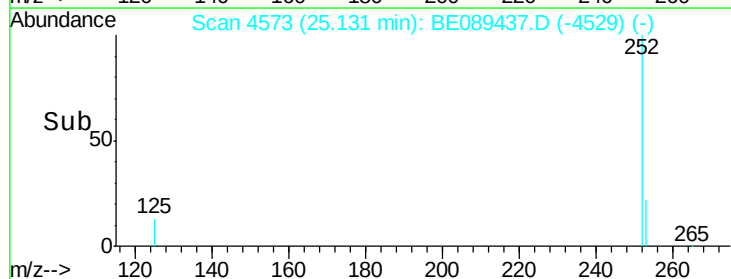
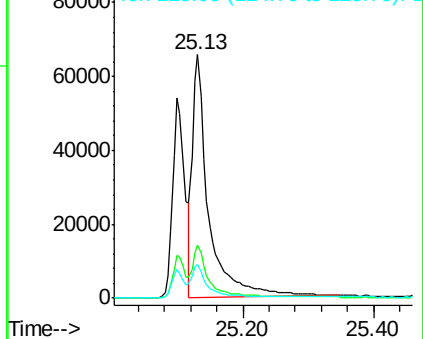
252 100

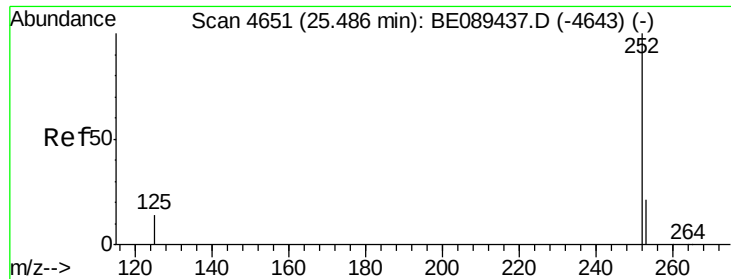
253 21.8 17.4 26.2

125 13.6 10.9 16.3



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

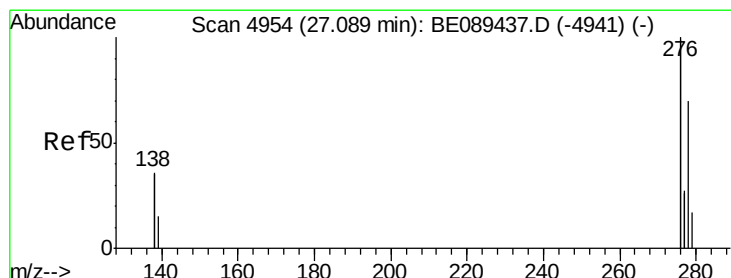
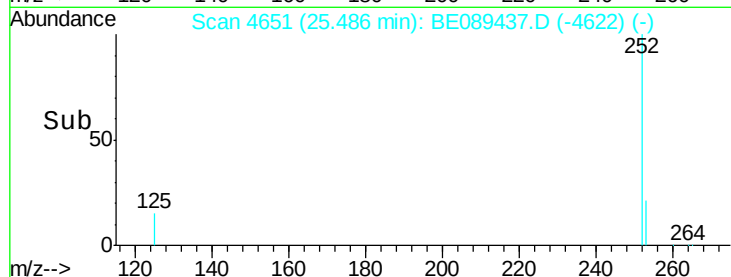
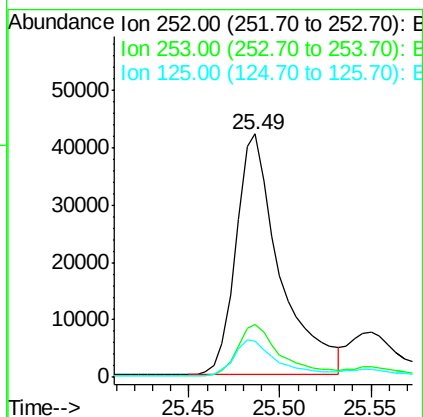
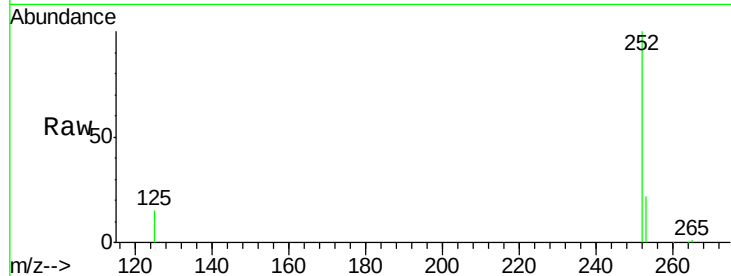




#25
Benzo(a)pyrene
Concen: 1.36 ng
RT: 25.49 min Scan# 4651
Delta R.T. 0.00 min
Lab File: BE089437.D
Acq: 30 Jan 2015 8:07

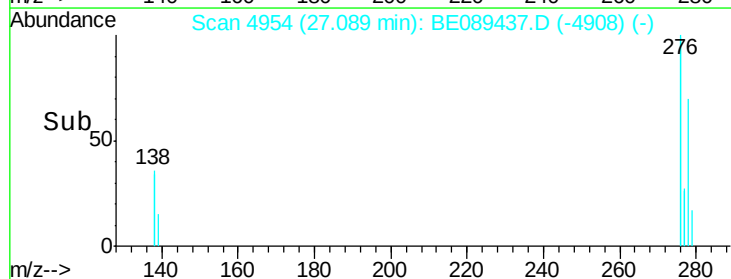
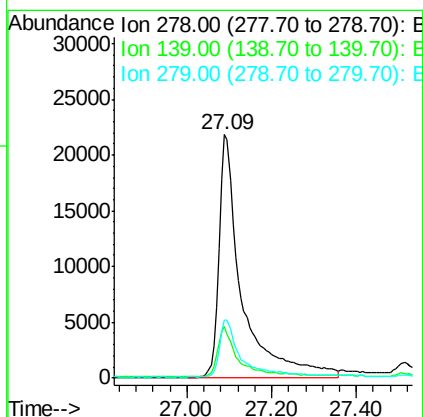
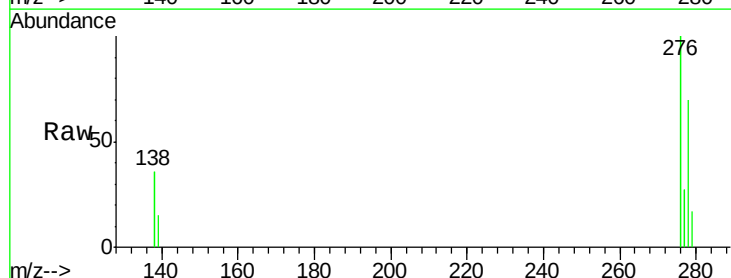
Instrument :
BNA_E
LabSampleId :
SSTDIC001

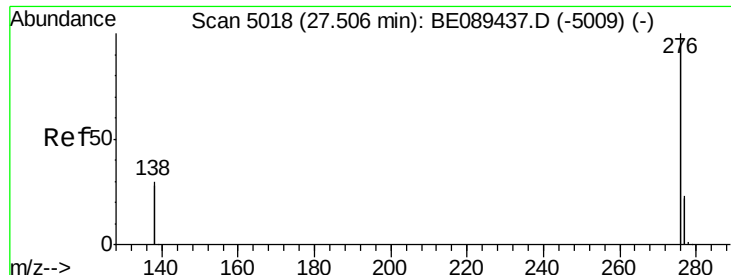
Tgt Ion: 252 Resp: 70639
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 15.0 12.0 18.0



#26
Dibenzo(a,h)anthracene
Concen: 1.88 ng
RT: 27.09 min Scan# 4954
Delta R.T. 0.00 min
Lab File: BE089437.D
Acq: 30 Jan 2015 8:07

Tgt Ion: 278 Resp: 81038
Ion Ratio Lower Upper
278 100
139 21.2 17.0 25.4
279 23.9 19.1 28.7





#27

Benzo(g,h,i)perylene

Concen: 1.39 ng

RT: 27.51 min Scan# 5018

Delta R.T. 0.00 min

Lab File: BE089437.D

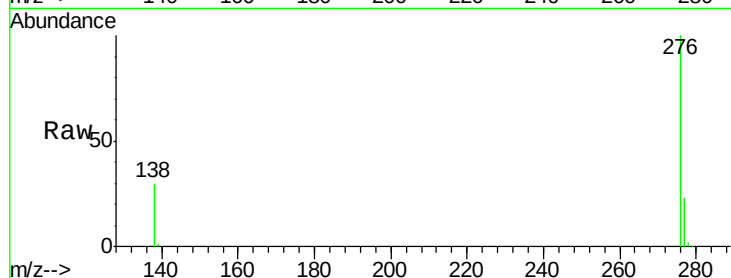
Acq: 30 Jan 2015 8:07

Instrument :

BNA_E

LabSampleId :

SSTDIC001



Tgt Ion: 276 Resp: 351400

Ion Ratio Lower Upper

276 100

277 23.0 18.4 27.6

138 29.6 23.7 35.5

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

