

Data Path : Z:\HPCHEM1\BNA_E\Data\BE013015\
 Data File : BE089443.d
 Acq On : 30 Jan 2015 18:01
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Jan 31 06:25:23 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 05:05:18 2015
 Response via : Initial Calibration

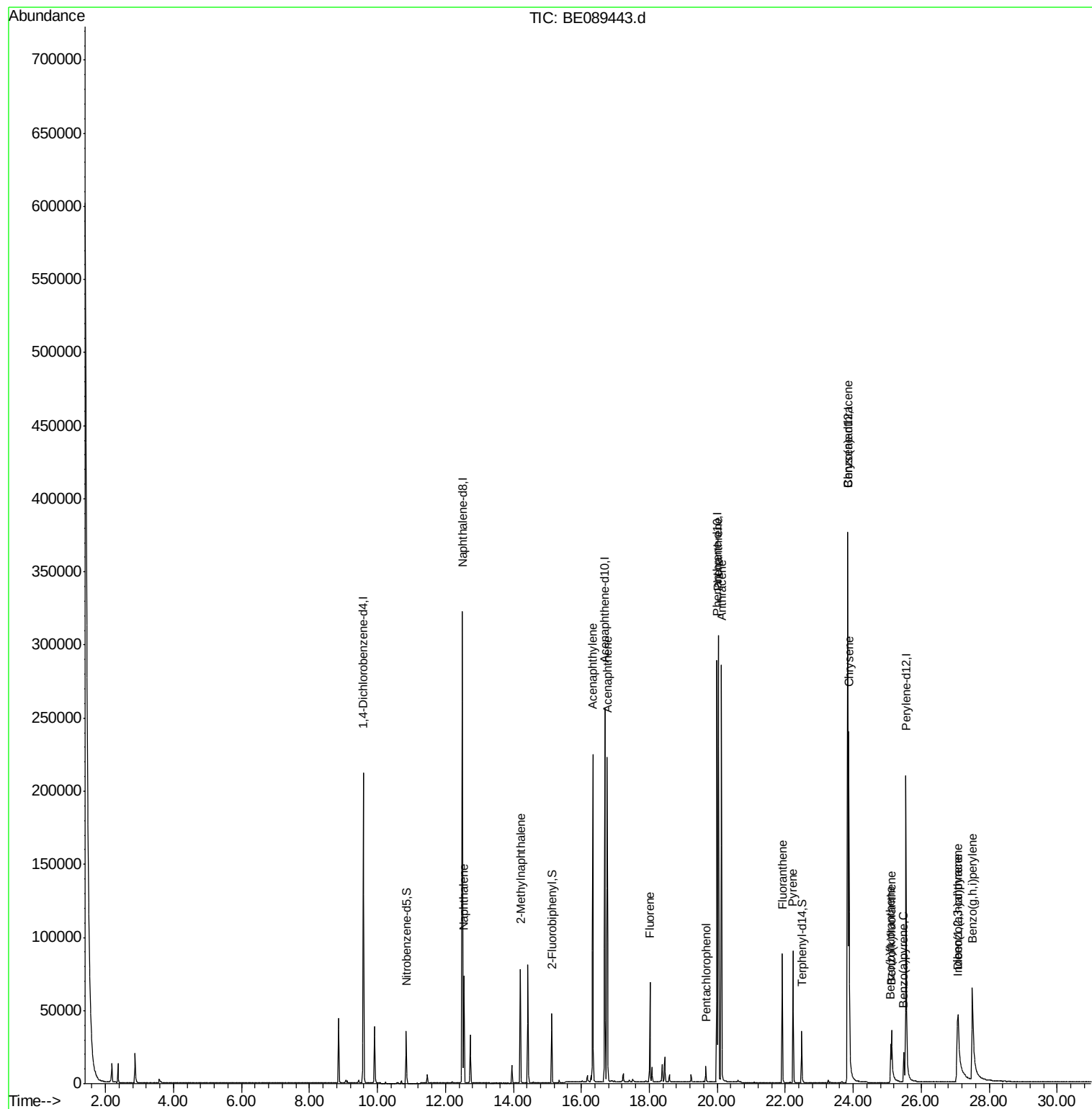
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.59	152	86802	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	350538	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	152472	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	275675	5.00	ng	0.00
16) Chrysene-d12	23.84	240	243669	5.00	ng	0.00
22) Perylene-d12	25.55	264	218554	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	24848	1.07	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	41233	1.03	ng	0.00
18) Terphenyl-d14	22.48	244	35270	0.97	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.55	128	81417	0.99	ng	99
5) 2-Methylnaphthalene	14.21	142	48510	0.98	ng	99
8) Acenaphthylene	16.34	152	276648	1.01	ng	100
9) Acenaphthene	16.76	154	42214	1.02	ng	100
10) Fluorene	18.02	166	45819	1.00	ng	99
12) Pentachlorophenol	19.66	266	6776	3.96	ng	93
13) Phenanthrene	20.03	178	275906	1.02	ng	100
14) Anthracene	20.12	178	249765	1.01	ng	99
15) Fluoranthene	21.91	202	59847	1.01	ng	99
17) Pyrene	22.23	202	65404	1.01	ng	100
19) Benzo(a)anthracene	23.83	228	189619	0.92	ng	100
20) Chrysene	23.87	228	238480	1.03	ng	98
21) Indeno(1,2,3-cd)pyrene	27.06	276	159011	0.79	ng	94
23) Benzo(b)fluoranthene	25.10	252	24780	0.80	ng	100
24) Benzo(k)fluoranthene	25.13	252	61322	1.10	ng	99
25) Benzo(a)pyrene	25.48	252	29734	0.85	ng	99
26) Dibenzo(a,h)anthracene	27.09	278	31340	0.81	ng	100
27) Benzo(g,h,i)perylene	27.51	276	157152	0.90	ng	97

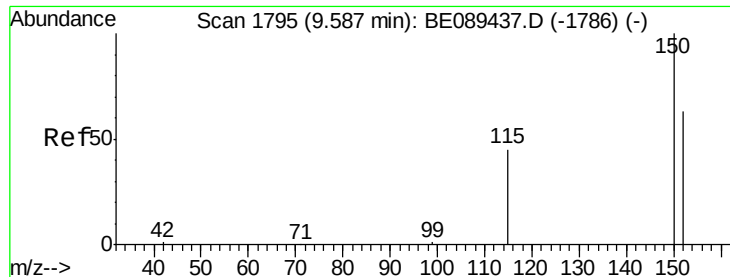
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

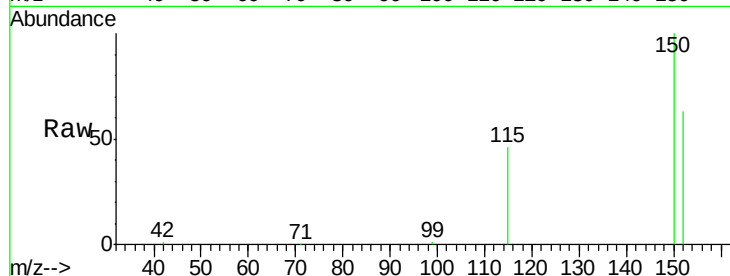
Tgt Ion:152 Resp: 86802

Ion Ratio Lower Upper

152 100

150 159.5 127.2 190.8

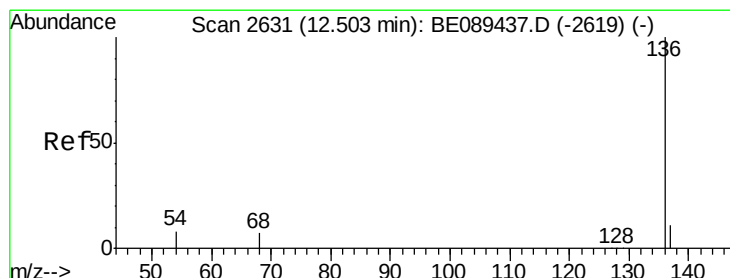
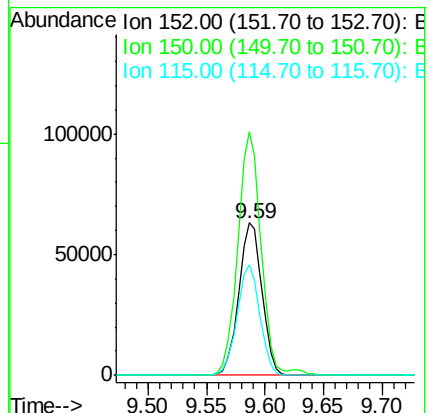
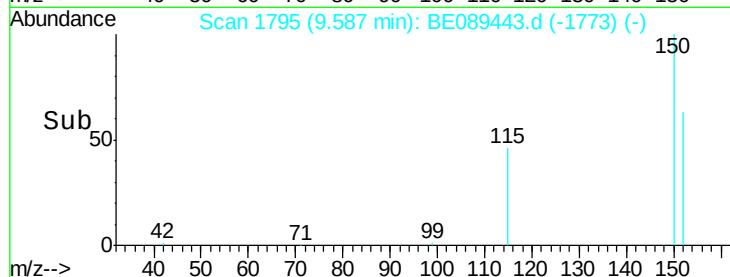
115 72.7 57.5 86.3



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# 2630

Delta R.T. -0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

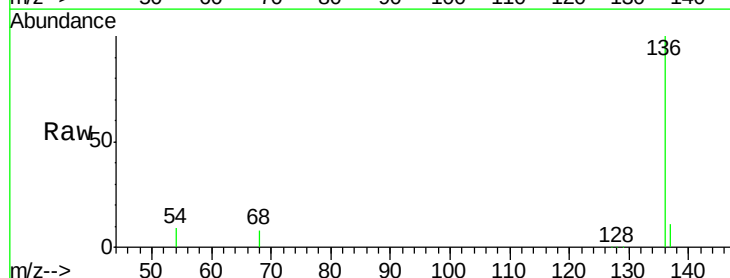
Tgt Ion:136 Resp: 350538

Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

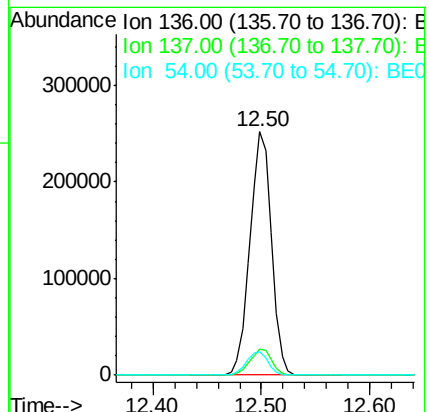
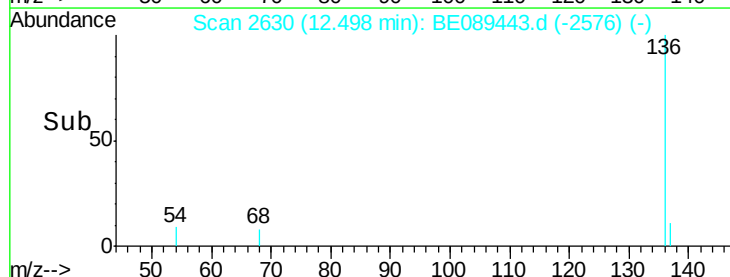
54 9.4 6.6 10.0

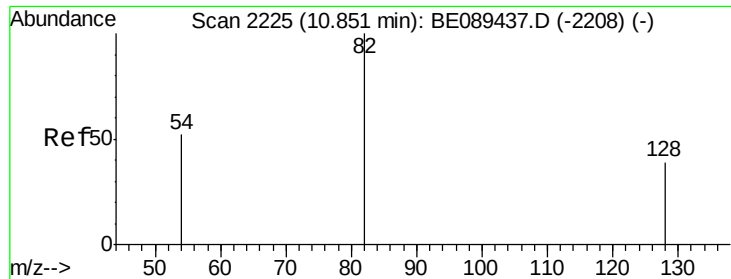


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.07 ng

RT: 10.85 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

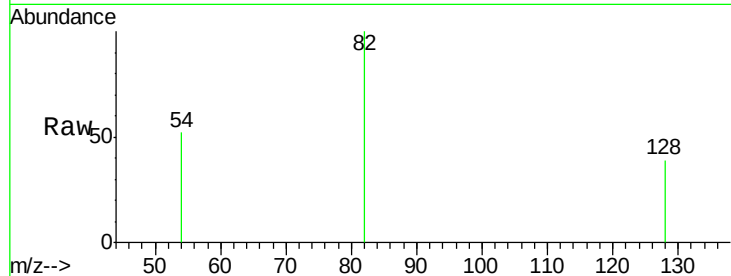
Tgt Ion: 82 Resp: 24848

Ion Ratio Lower Upper

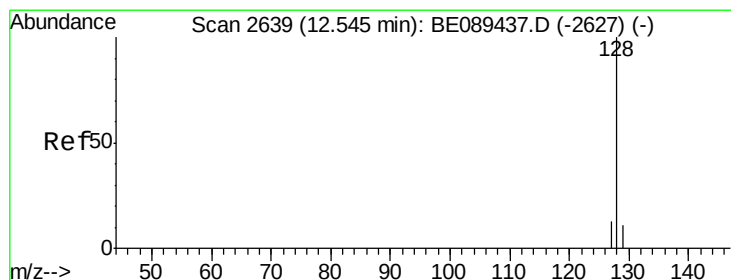
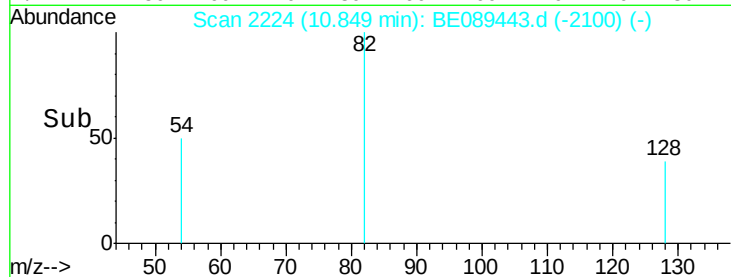
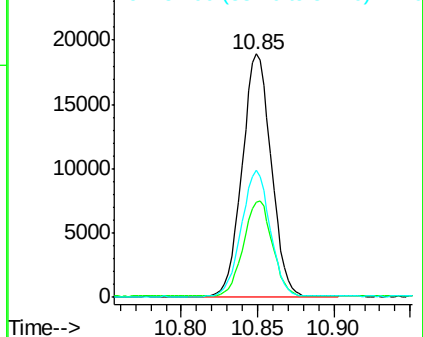
82 100

128 39.2 31.2 46.8

54 52.2 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: 0.99 ng

RT: 12.55 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

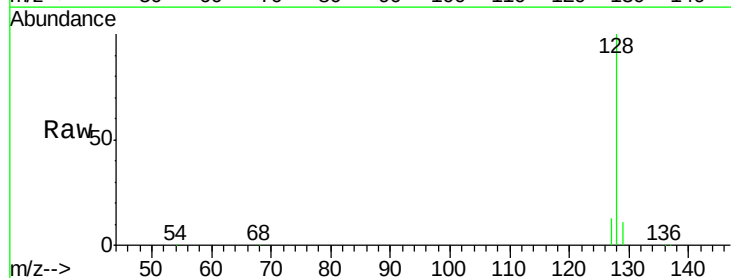
Tgt Ion: 128 Resp: 81417

Ion Ratio Lower Upper

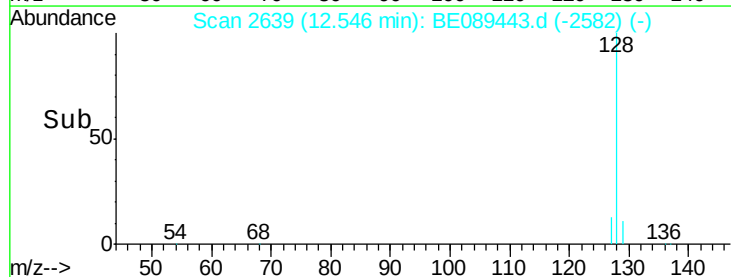
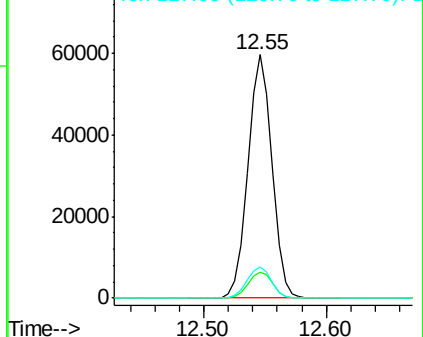
128 100

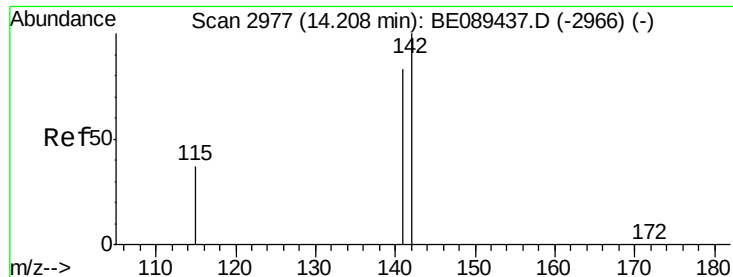
129 10.7 8.8 13.2

127 12.6 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: 0.98 ng

RT: 14.21 min Scan# 2977

Delta R.T. -0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

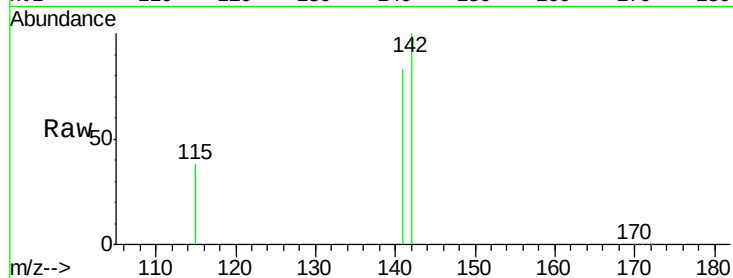
Tgt Ion:142 Resp: 48510

Ion Ratio Lower Upper

142 100

141 83.3 66.1 99.1

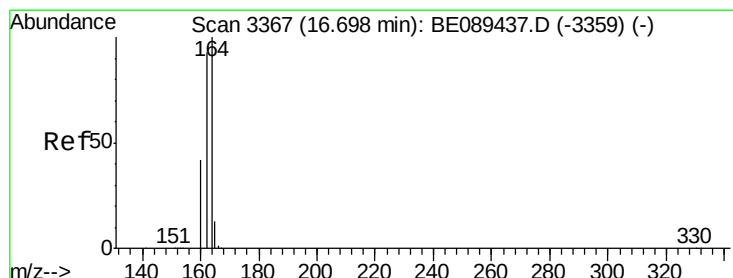
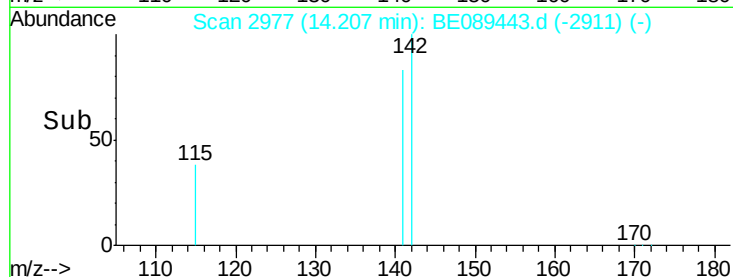
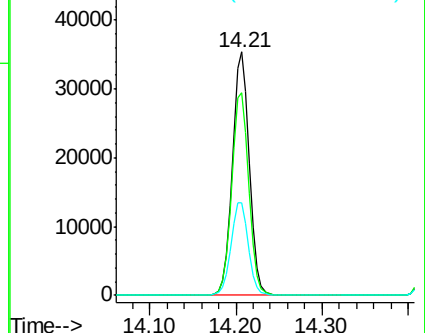
115 38.0 29.9 44.9



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: 16.69 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

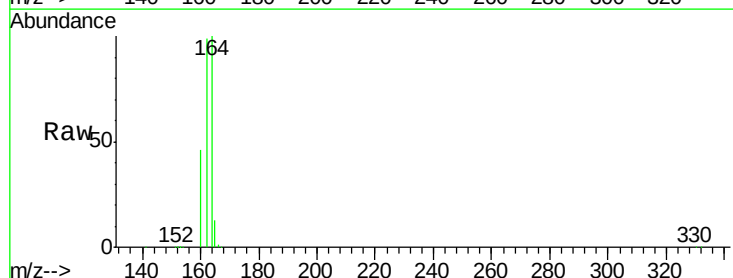
Tgt Ion:164 Resp: 152472

Ion Ratio Lower Upper

164 100

162 98.8 74.7 112.1

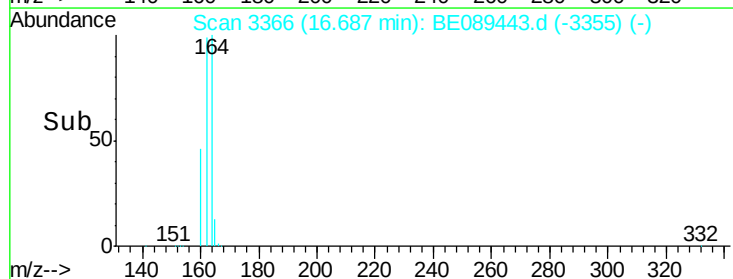
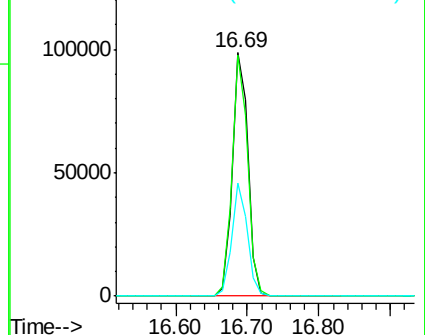
160 46.3 33.4 50.0

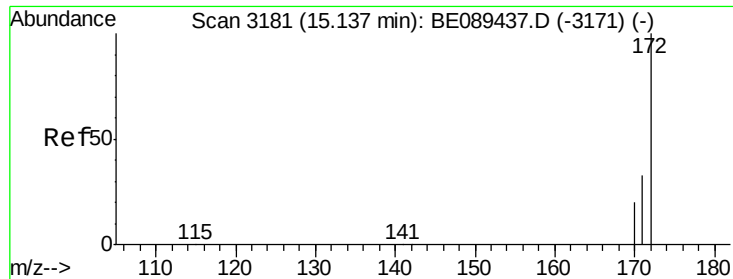


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 15.13 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

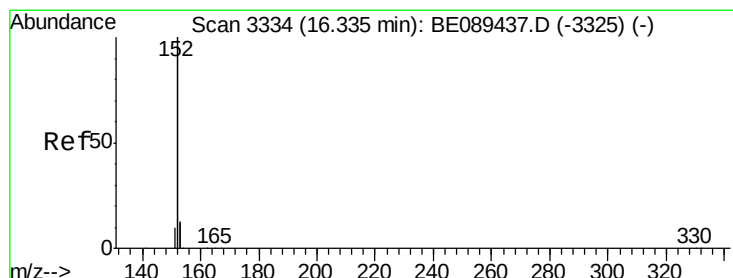
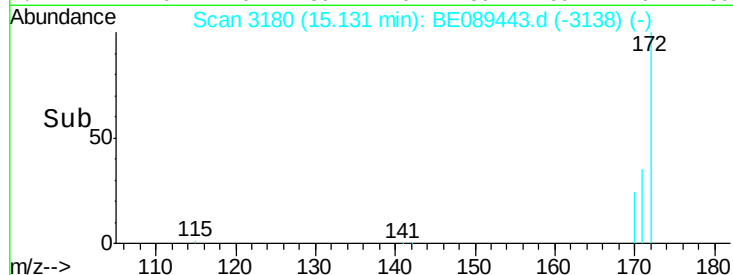
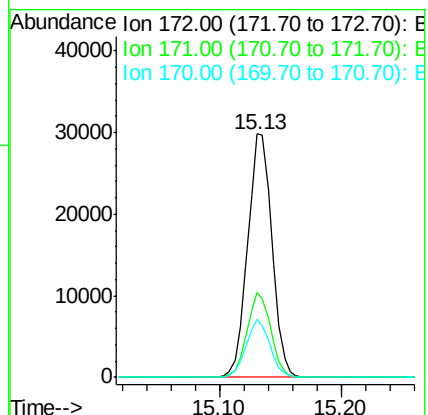
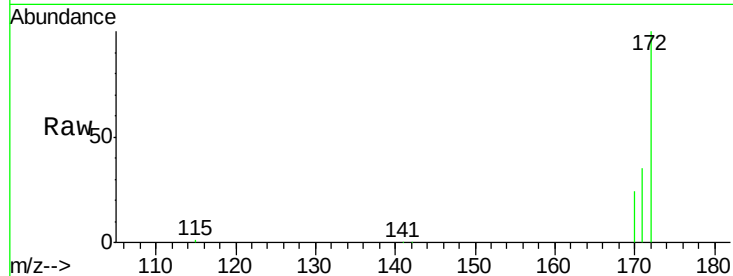
Tgt Ion:172 Resp: 41233

Ion Ratio Lower Upper

172 100

171 34.7 26.2 39.4

170 23.9 16.5 24.7



#8

Acenaphthylene

Concen: 1.01 ng

RT: 16.34 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

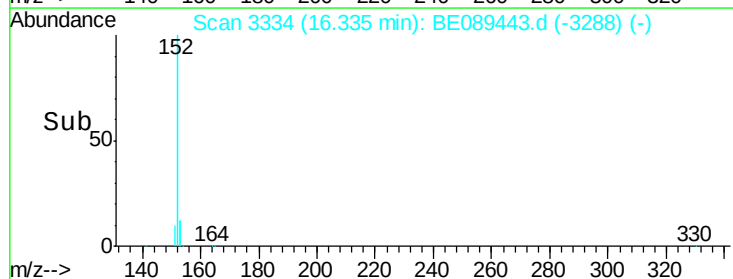
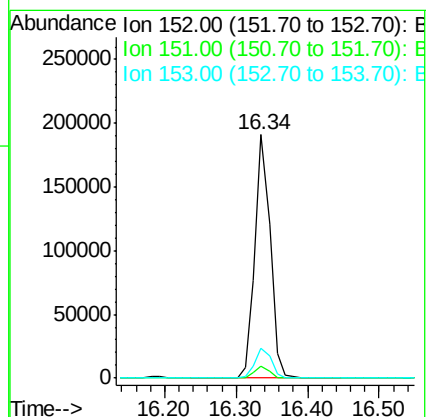
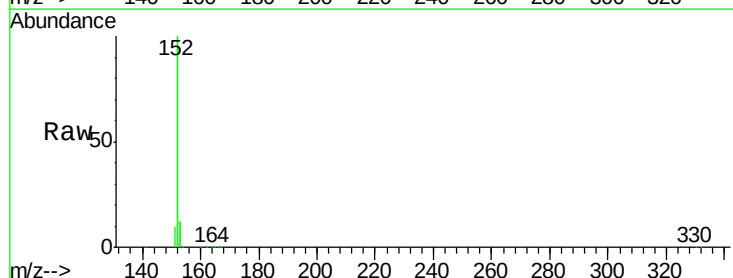
Tgt Ion:152 Resp: 276648

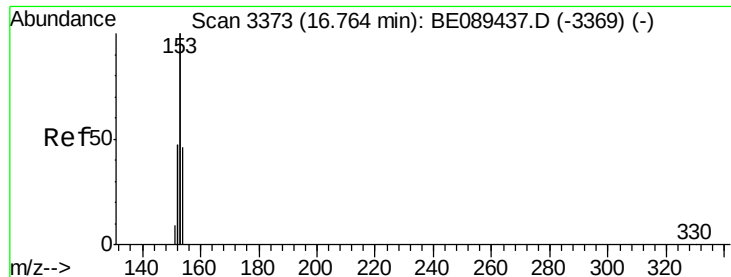
Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

153 13.0 10.3 15.5





#9

Acenaphthene

Concen: 1.02 ng

RT: 16.76 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

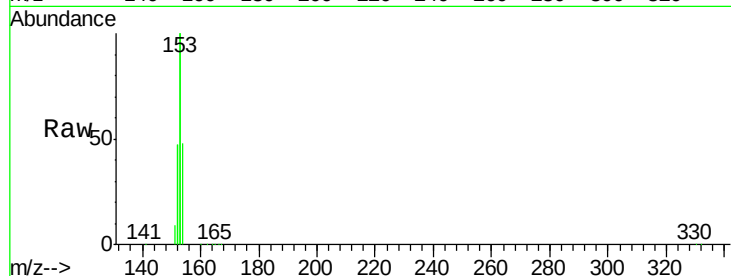
Tgt Ion:154 Resp: 42214

Ion Ratio Lower Upper

154 100

153 427.0 342.3 513.5

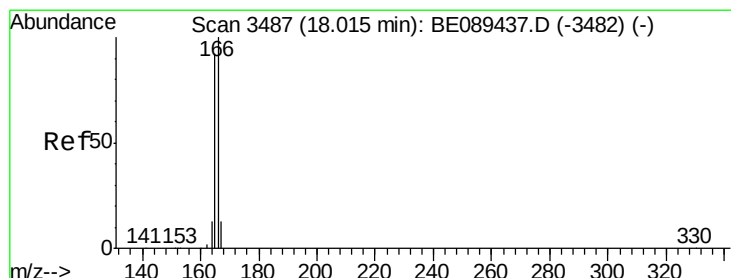
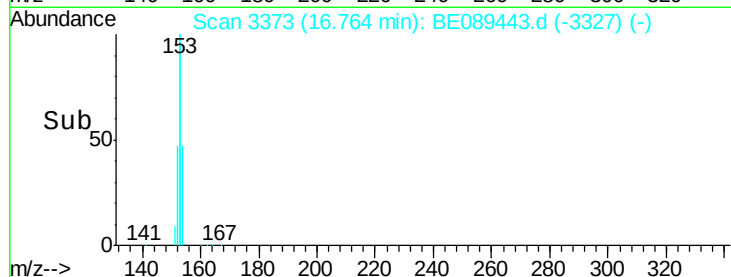
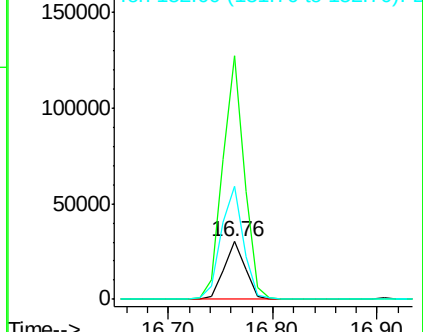
152 206.4 165.5 248.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 1.00 ng

RT: 18.02 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

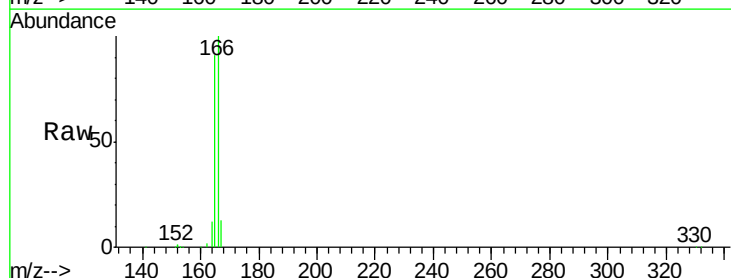
Tgt Ion:166 Resp: 45819

Ion Ratio Lower Upper

166 100

165 92.4 74.4 111.6

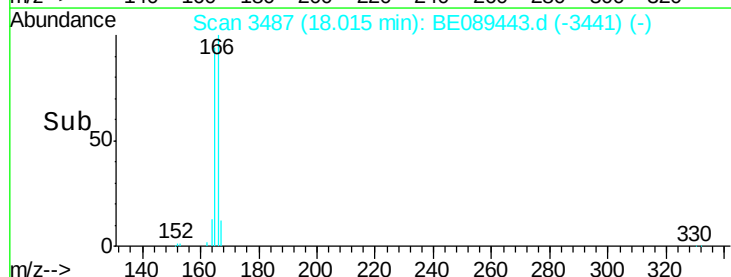
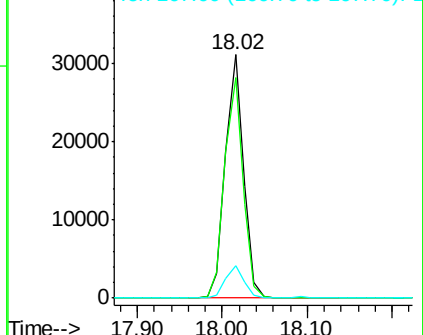
167 13.2 10.6 15.8

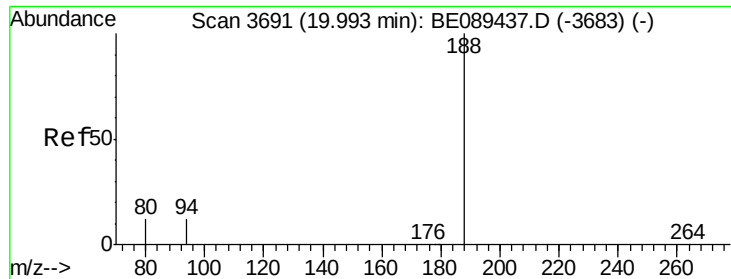


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

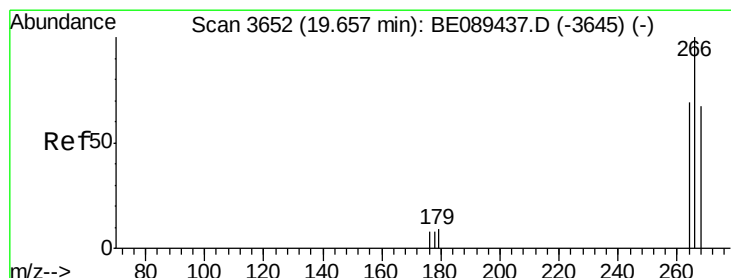
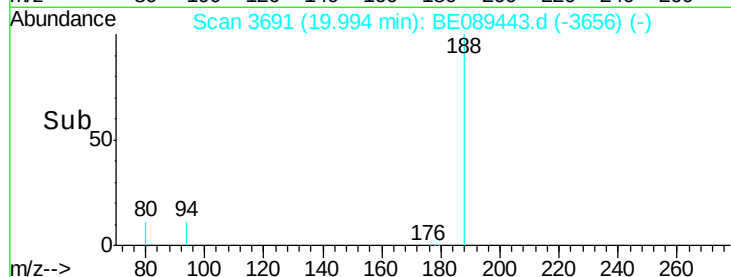
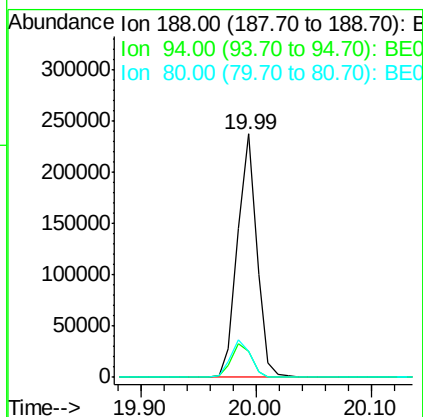
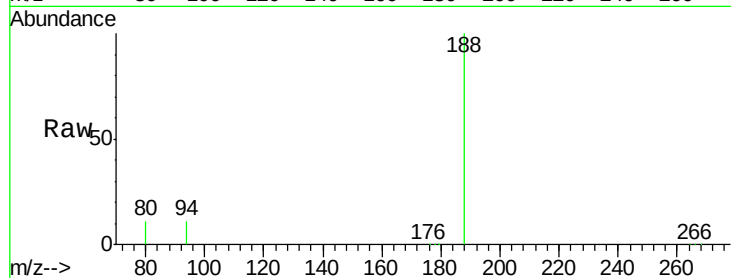




#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: BE089443.d
 Acq: 30 Jan 2015 18:01

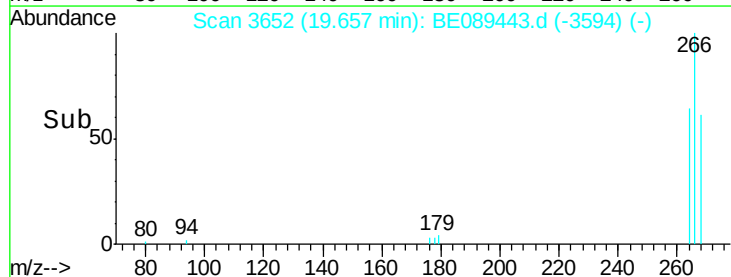
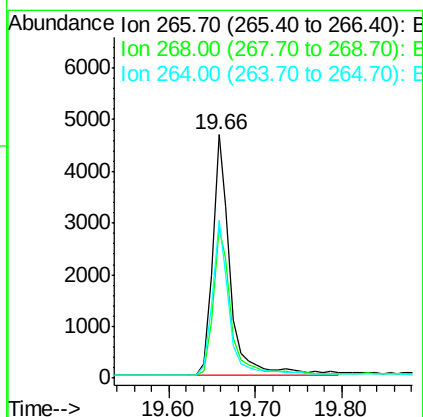
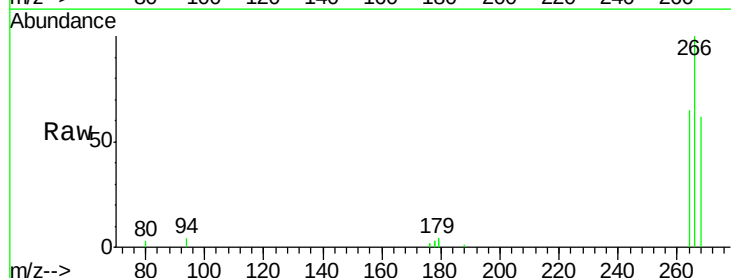
Instrument :
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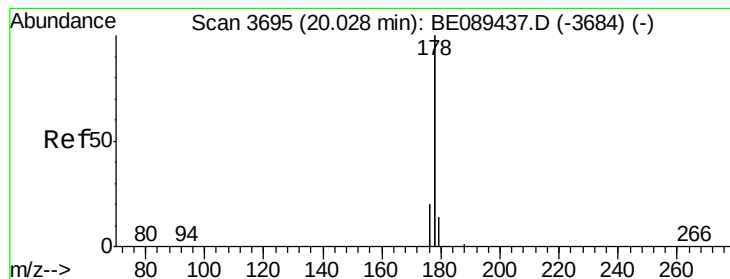
Tgt Ion:188 Resp: 275675
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.0
 80 10.6 9.3 13.9



#12
 Pentachlorophenol
 Concen: 3.96 ng
 RT: 19.66 min Scan# 3652
 Delta R.T. 0.00 min
 Lab File: BE089443.d
 Acq: 30 Jan 2015 18:01

Tgt Ion:266 Resp: 6776
 Ion Ratio Lower Upper
 266 100
 268 61.8 54.2 81.4
 264 64.6 56.2 84.2





#13

Phenanthrene

Concen: 1.02 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

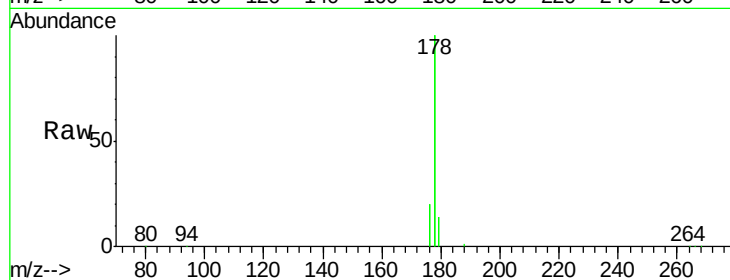
Tgt Ion:178 Resp: 275906

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

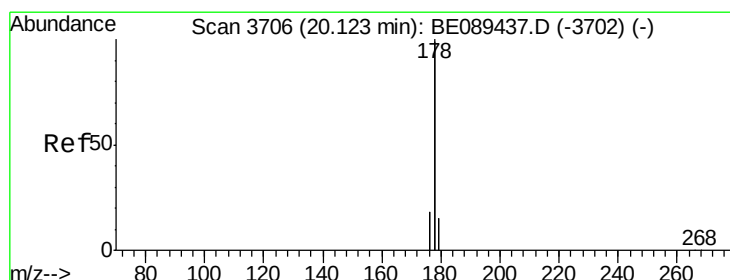
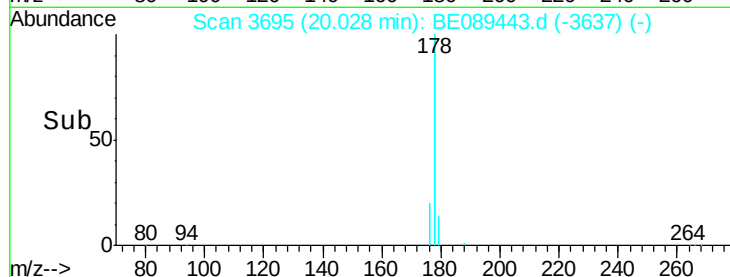
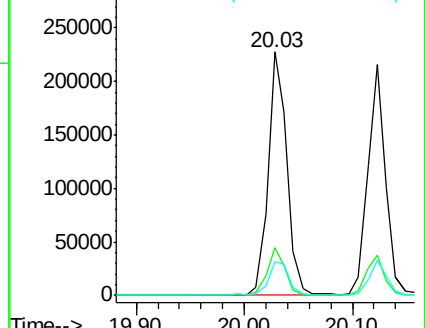
179 15.2 12.3 18.5



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: 1.01 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

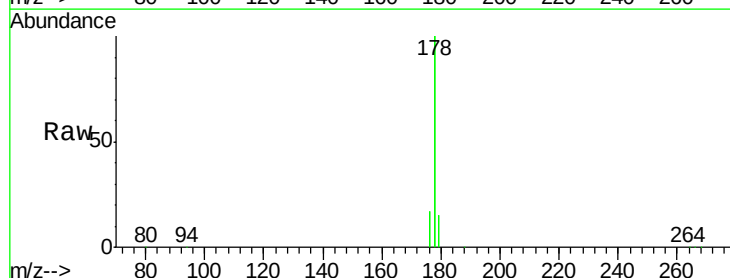
Tgt Ion:178 Resp: 249765

Ion Ratio Lower Upper

178 100

176 17.7 14.6 22.0

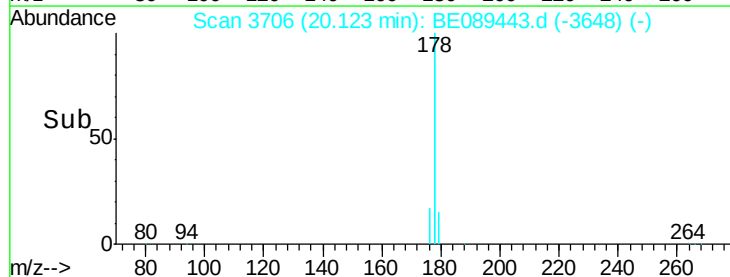
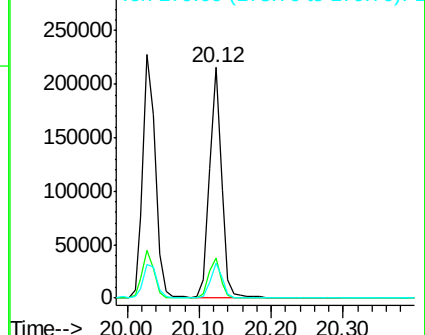
179 15.0 12.2 18.2

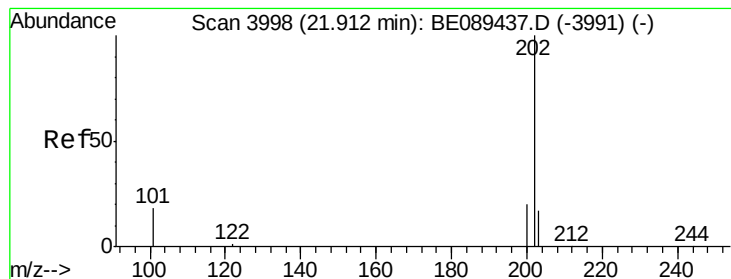


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 1.01 ng

RT: 21.91 min Scan# 3998

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

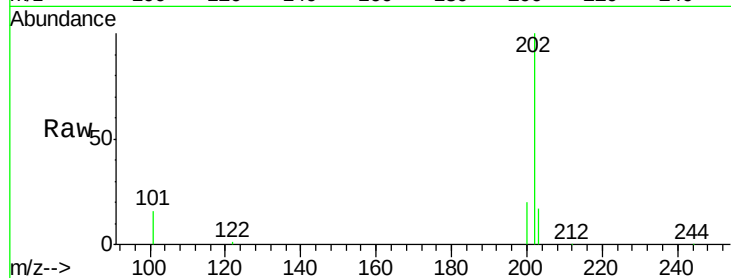
Tgt Ion:202 Resp: 59847

Ion Ratio Lower Upper

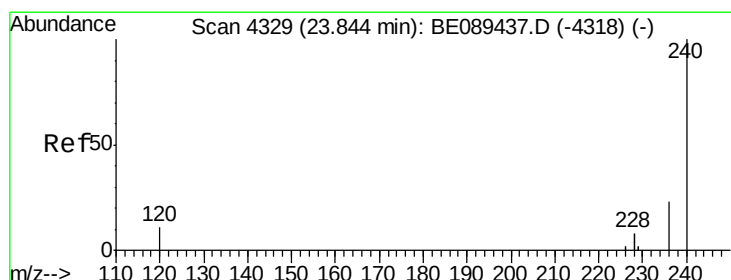
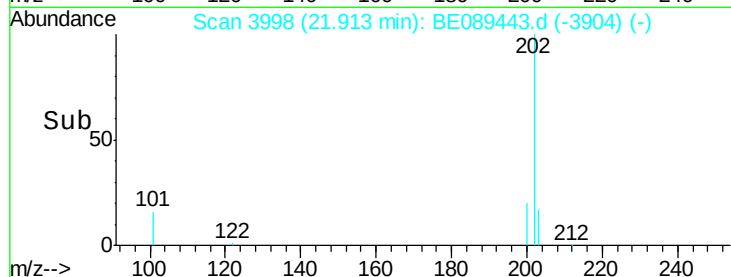
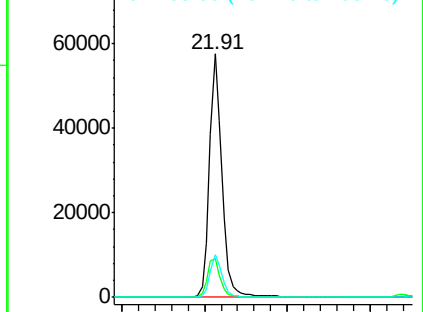
202 100

101 16.7 13.6 20.4

203 17.0 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: BE089443.d

Acq: 30 Jan 2015 18:01

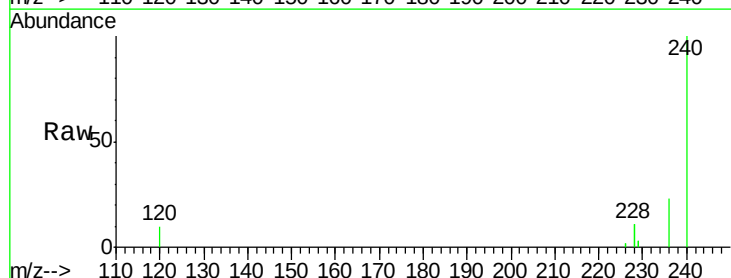
Tgt Ion:240 Resp: 243669

Ion Ratio Lower Upper

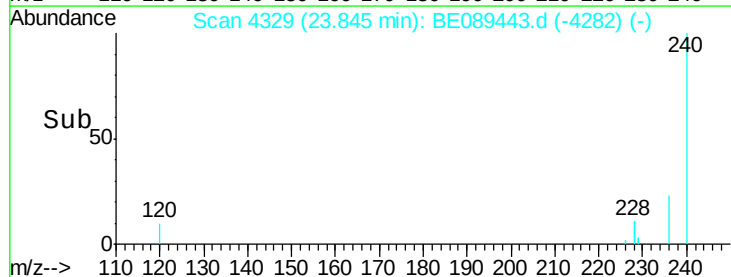
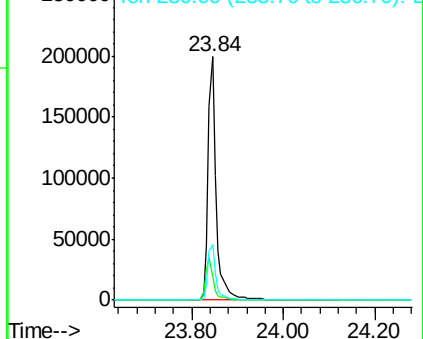
240 100

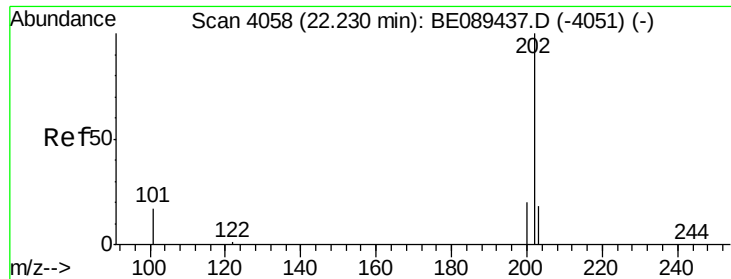
120 9.7 8.6 13.0

236 22.9 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: 1.01 ng

RT: 22.23 min Scan# 4058

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

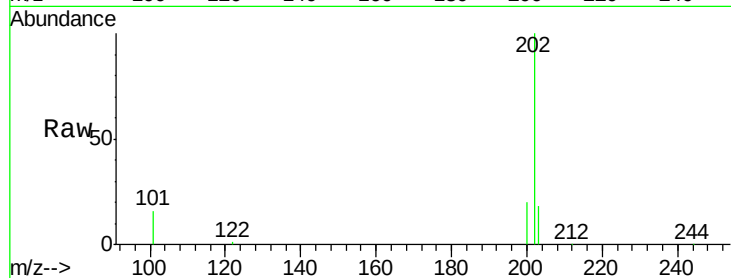
Tgt Ion:202 Resp: 65404

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.4

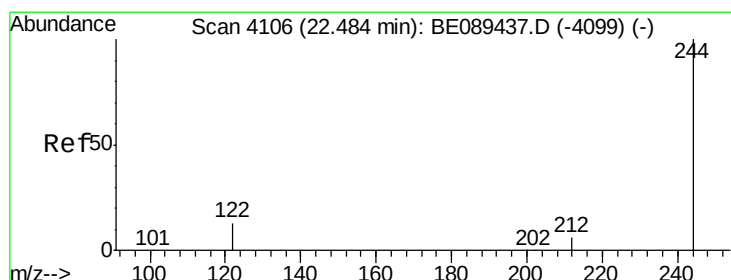
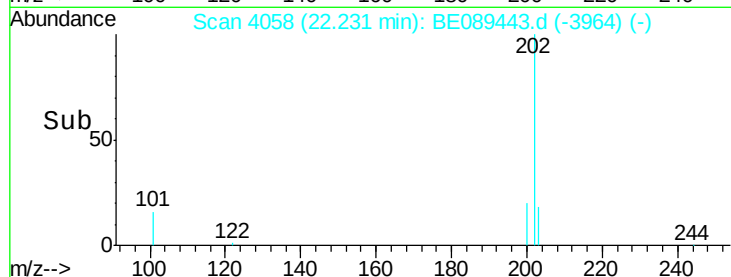
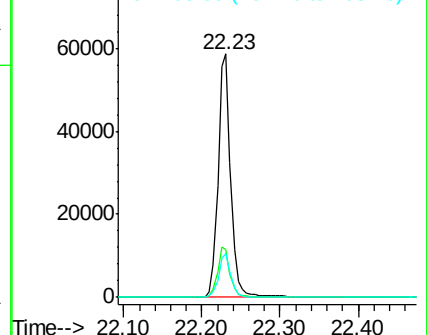
203 17.2 13.8 20.8



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: 0.97 ng

RT: 22.48 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

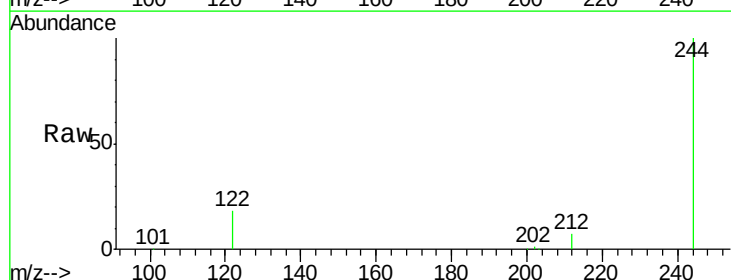
Tgt Ion:244 Resp: 35270

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.6

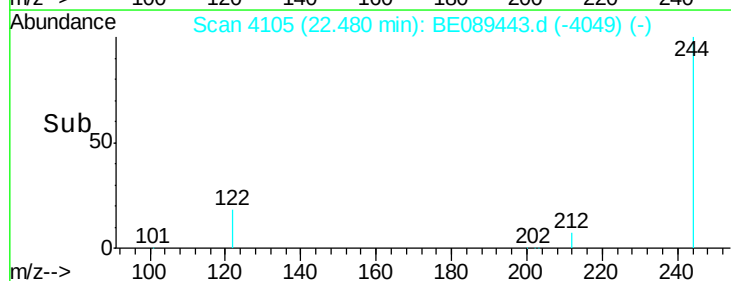
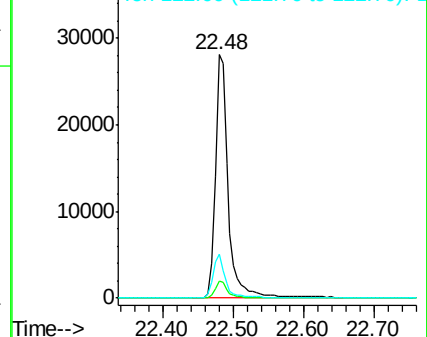
122 18.3 10.2 15.4#

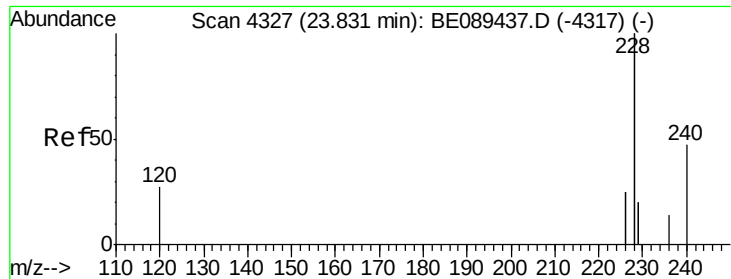


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.92 ng

RT: 23.83 min Scan# 4327

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

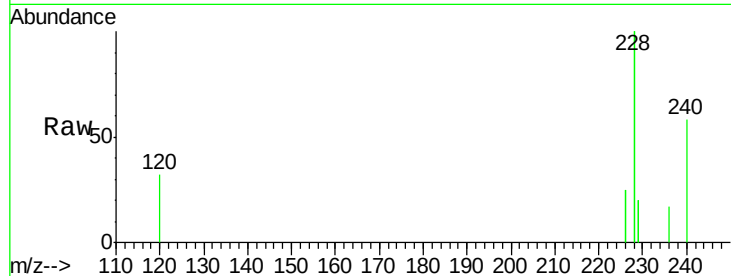
Tgt Ion:228 Resp: 189619

Ion Ratio Lower Upper

228 100

226 24.9 20.0 30.0

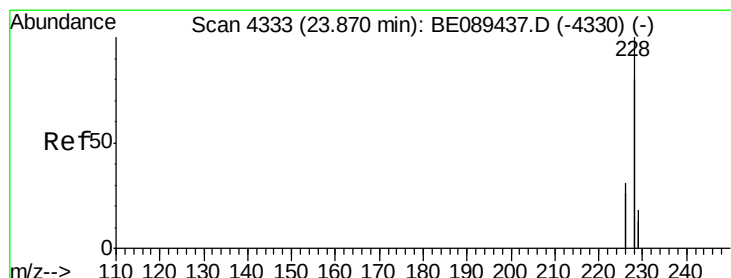
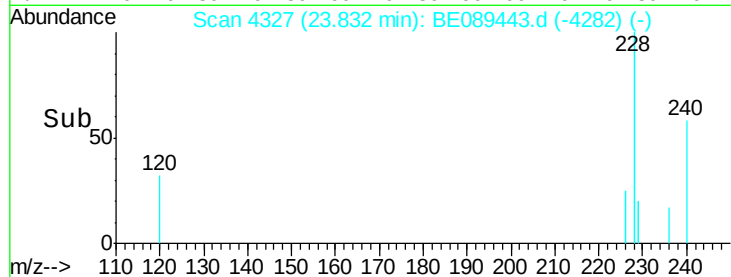
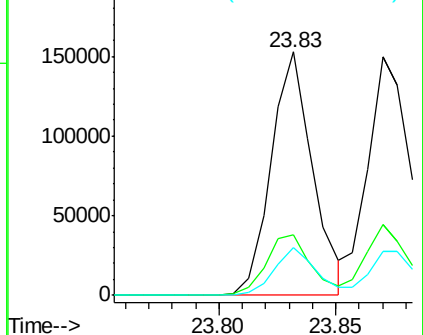
229 19.9 16.0 24.0



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: 1.03 ng

RT: 23.87 min Scan# 4333

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

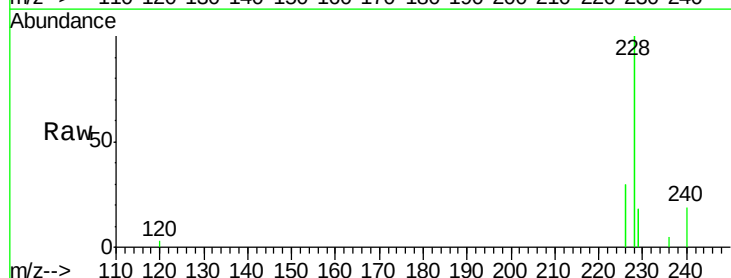
Tgt Ion:228 Resp: 238480

Ion Ratio Lower Upper

228 100

226 29.5 24.5 36.7

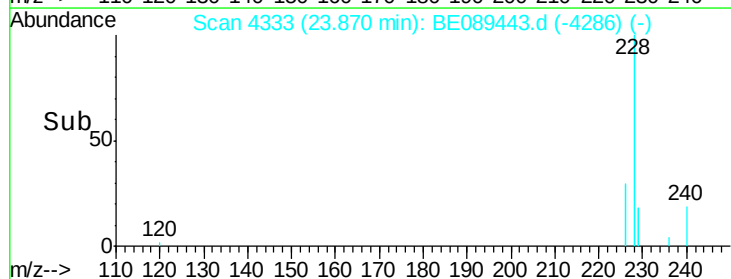
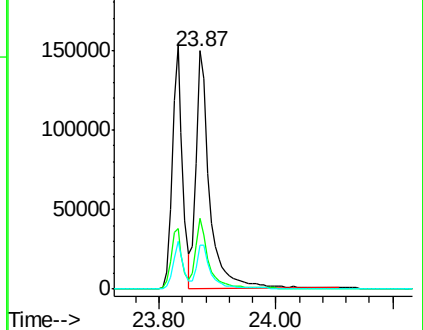
229 18.2 14.1 21.1

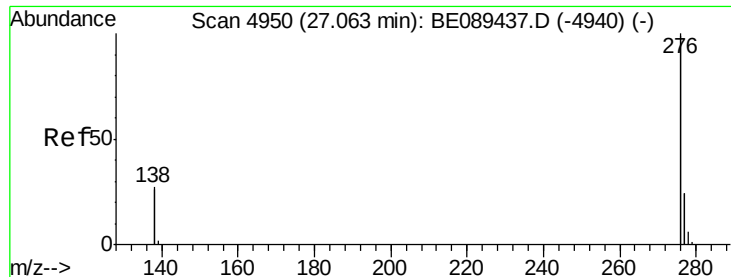


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.79 ng

RT: 27.06 min Scan# 4950

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

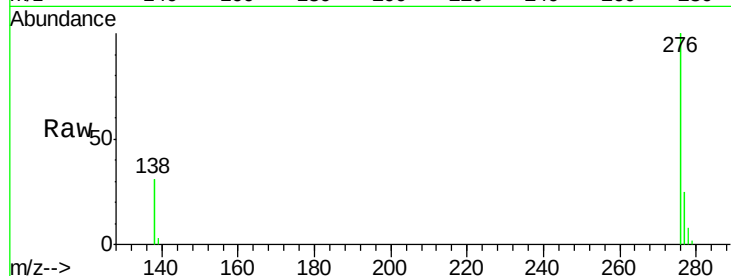
Tgt Ion:276 Resp: 159011

Ion Ratio Lower Upper

276 100

138 28.5 25.4 38.0

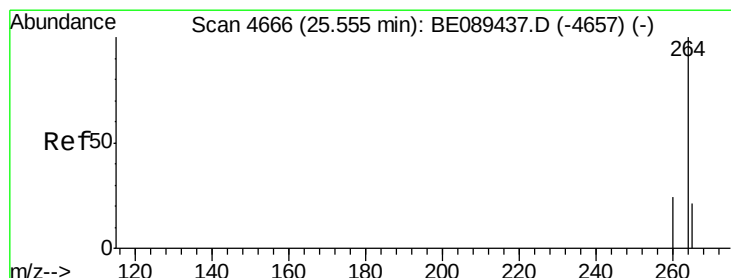
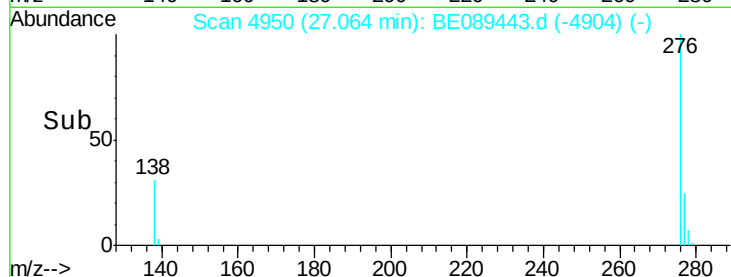
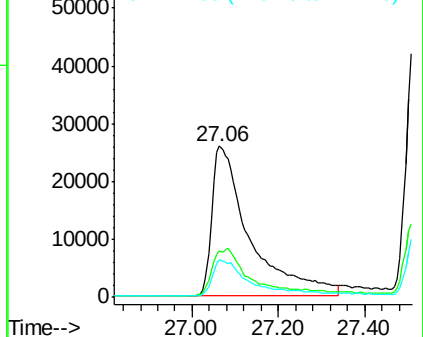
277 21.9 19.8 29.6



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: BE089443.d

Acq: 30 Jan 2015 18:01

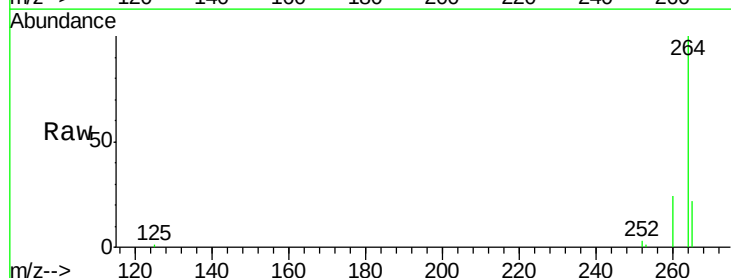
Tgt Ion:264 Resp: 218554

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

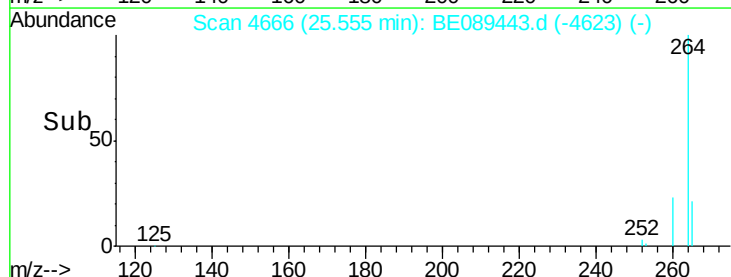
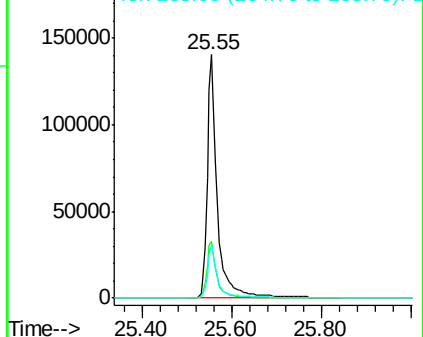
265 21.7 17.0 25.6

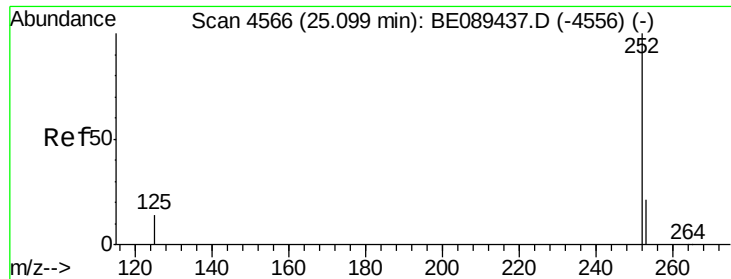


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.80 ng

RT: 25.10 min Scan# 4566

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

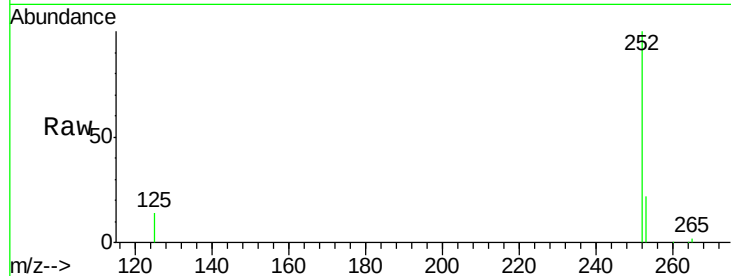
Tgt Ion:252 Resp: 24780

Ion Ratio Lower Upper

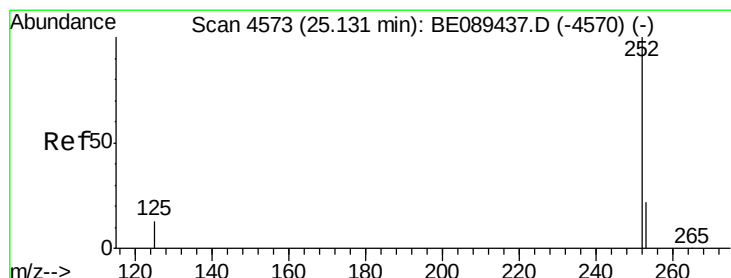
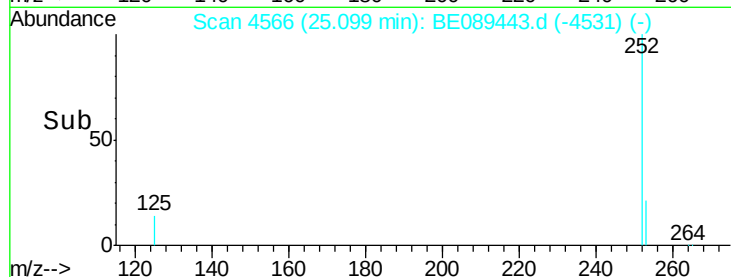
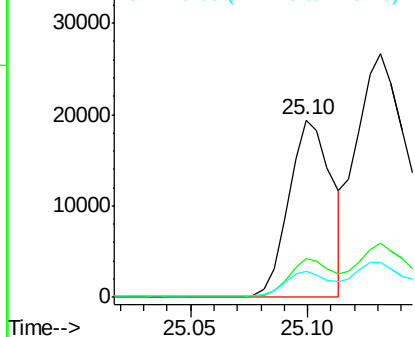
252 100

253 21.6 17.0 25.6

125 14.3 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: 1.10 ng

RT: 25.13 min Scan# 4573

Delta R.T. 0.00 min

Lab File: BE089443.d

Acq: 30 Jan 2015 18:01

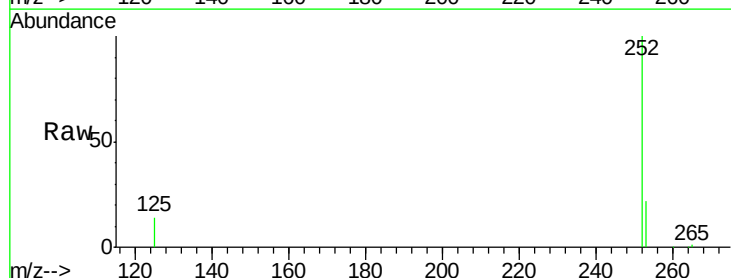
Tgt Ion:252 Resp: 61322

Ion Ratio Lower Upper

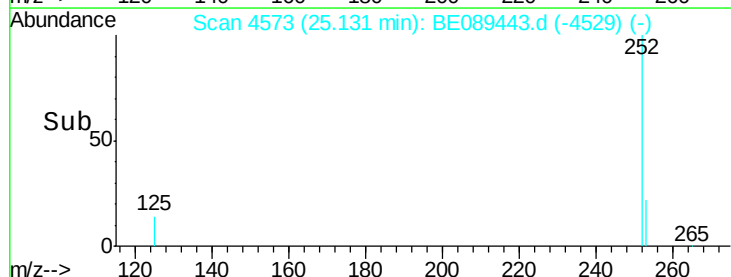
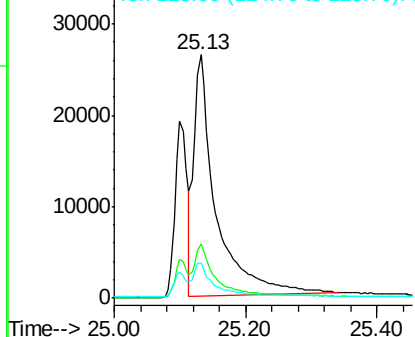
252 100

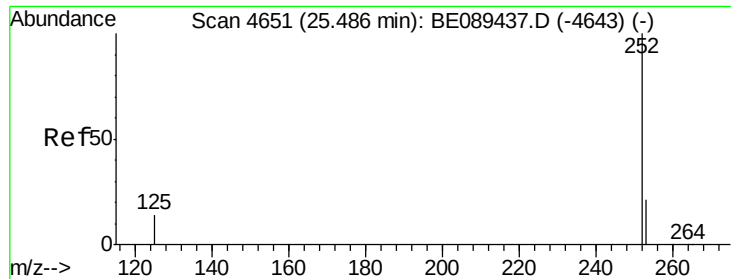
253 22.1 17.4 26.2

125 14.5 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

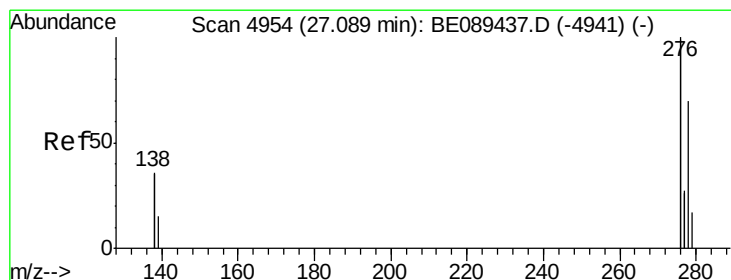
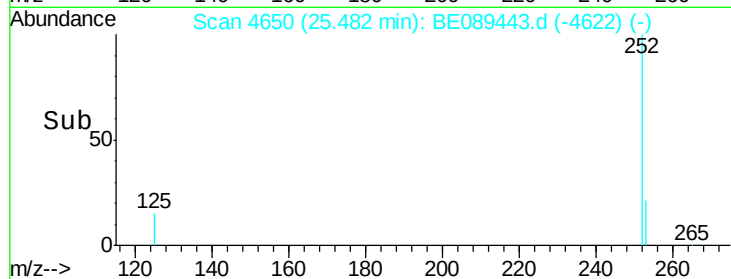
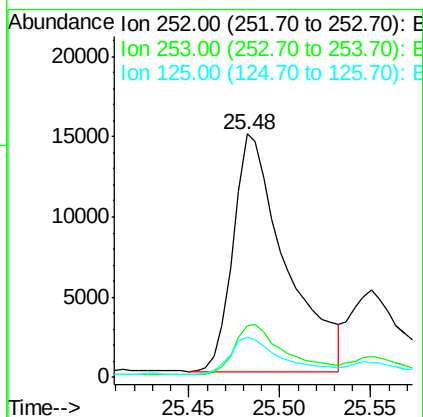
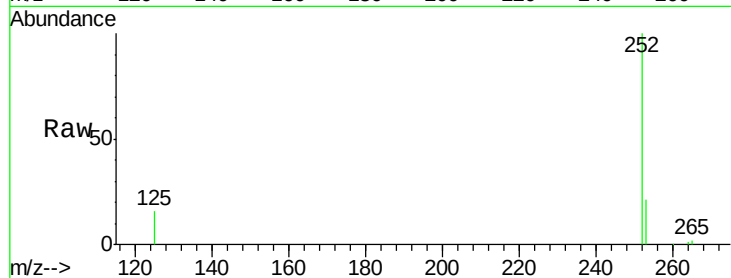




#25
Benzo(a)pyrene
Concen: 0.85 ng
RT: 25.48 min Scan# 4650
Delta R.T. -0.00 min
Lab File: BE089443.d
Acq: 30 Jan 2015 18:01

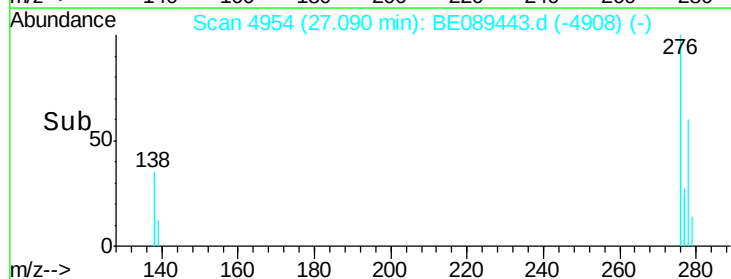
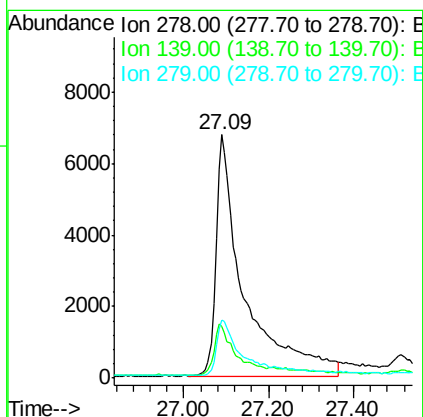
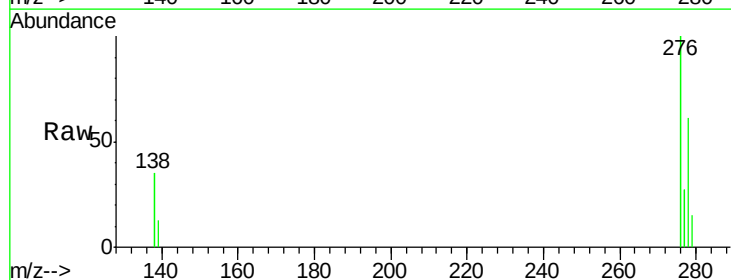
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

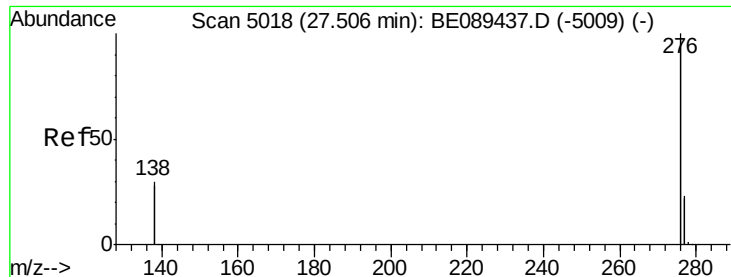
Tgt Ion: 252 Resp: 29734
Ion Ratio Lower Upper
252 100
253 21.4 17.3 25.9
125 16.3 12.0 18.0



#26
Dibenzo(a,h)anthracene
Concen: 0.81 ng
RT: 27.09 min Scan# 4954
Delta R.T. 0.00 min
Lab File: BE089443.d
Acq: 30 Jan 2015 18:01

Tgt Ion: 278 Resp: 31340
Ion Ratio Lower Upper
278 100
139 21.1 17.0 25.4
279 24.0 19.1 28.7





#27

Benzo(g,h,i)perylene

Concen: 0.90 ng

RT: 27.51 min Scan# 5019

Delta R.T. 0.01 min

Lab File: BE089443.d

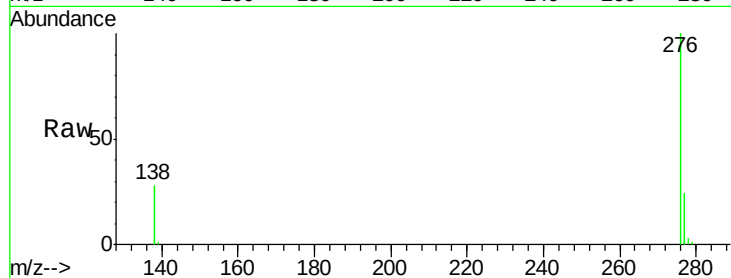
Acq: 30 Jan 2015 18:01

Instrument :

BNA_E

LabSampleId :

SSTDCCC001



Tgt Ion:276 Resp: 157152

Ion Ratio Lower Upper

276 100

277 24.2 18.4 27.6

138 27.8 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

