

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021015\
 Data File : BE089556.D
 Acq On : 10 Feb 2015 19:08
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Feb 11 01:19:16 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 11 01:08:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.41	152	25054	5.00	ng	0.00
2) Naphthalene-d8	12.32	136	89390	5.00	ng	0.00
6) Acenaphthene-d10	16.50	164	30904	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	49646	5.00	ng	0.00
16) Chrysene-d12	23.71	240	64724	5.00	ng	0.00
22) Perylene-d12	25.40	264	76038	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.68	82	5421	1.01	ng	0.00
7) 2-Fluorobiphenyl	14.95	172	8725	1.16	ng	0.00
18) Terphenyl-d14	22.35	244	7608	0.87	ng	0.00

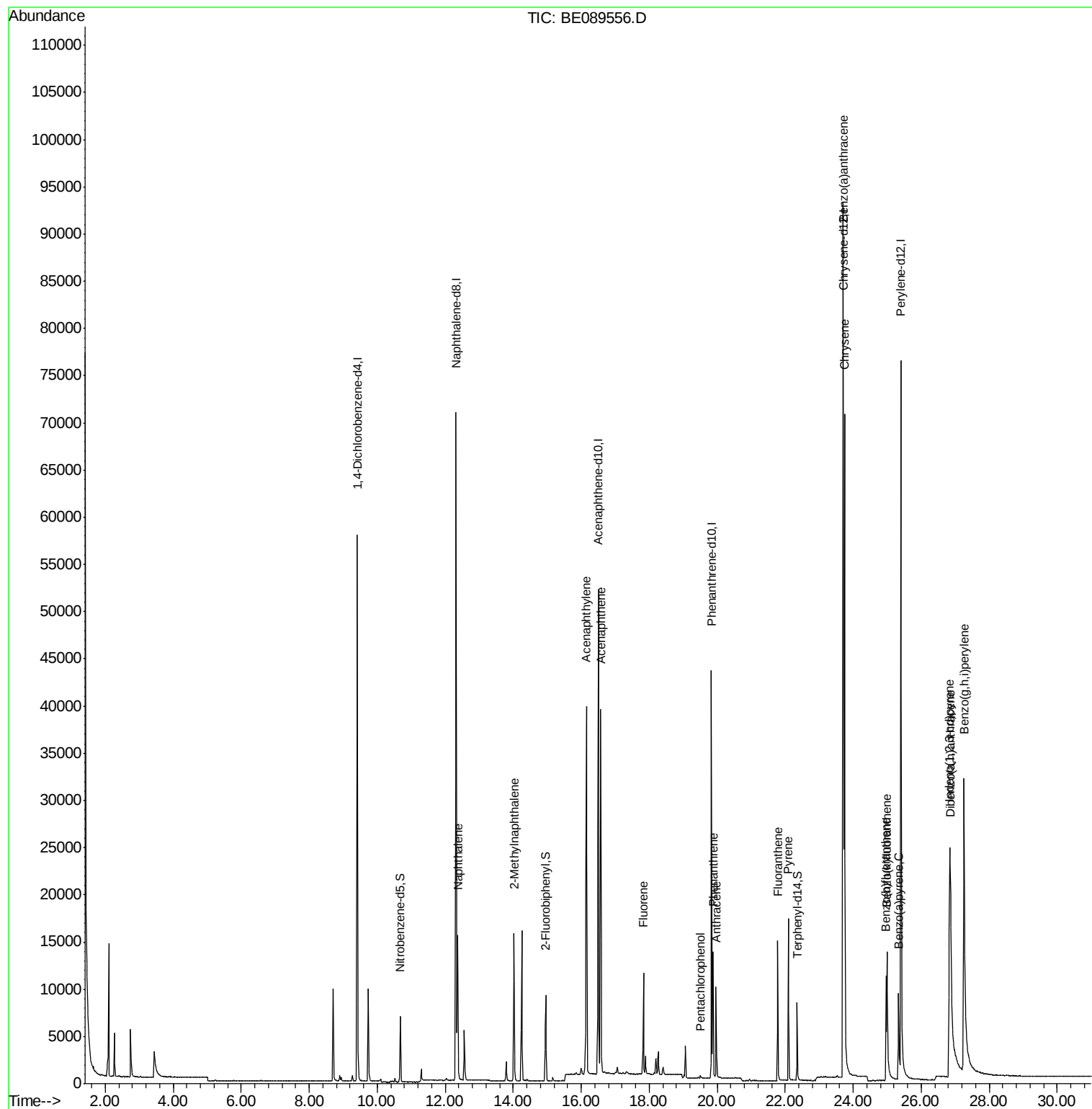
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.36	128	19871	1.04	ng	100
5) 2-Methylnaphthalene	14.02	142	10702	0.95	ng	100
8) Acenaphthylene	16.15	152	51992	1.08	ng	100
9) Acenaphthene	16.58	154	8145	1.06	ng	100
10) Fluorene	17.83	166	8107	0.98	ng	100
12) Pentachlorophenol	19.51	266	229	0.17	ng	100
13) Phenanthrene	19.88	178	12097	1.08	ng	100
14) Anthracene	19.97	178	9811	1.02	ng	100
15) Fluoranthene	21.78	202	10876	1.09	ng	100
17) Pyrene	22.09	202	11948	0.88	ng	100
19) Benzo(a)anthracene	23.70	228	50751	0.99	ng	100
20) Chrysene	23.74	228	61046	1.10	ng	100
21) Indeno(1,2,3-cd)pyrene	26.84	276	70711	1.51	ng	100
23) Benzo(b)fluoranthene	24.97	252	10520	0.93	ng	100
24) Benzo(k)fluoranthene	25.00	252	19288	1.07	ng	100
25) Benzo(a)pyrene	25.33	252	11144	0.97	ng	100
26) Dibenzo(a,h)anthracene	26.86	278	14616	1.24	ng	100
27) Benzo(g,h,i)perylene	27.26	276	66775	1.26	ng	100

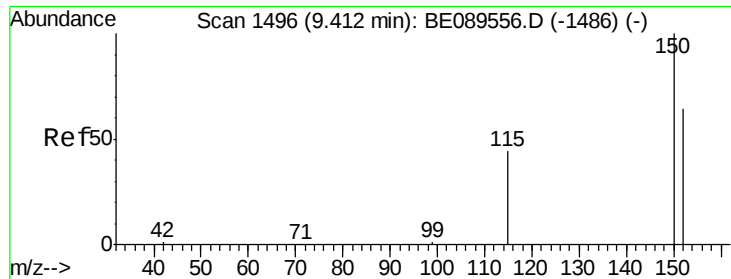
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.41 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

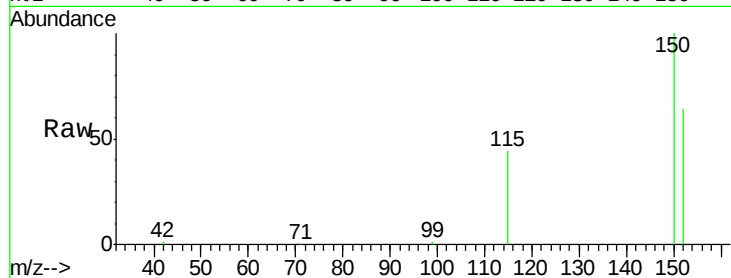
Tgt Ion:152 Resp: 25054

Ion Ratio Lower Upper

152 100

150 157.0 125.6 188.4

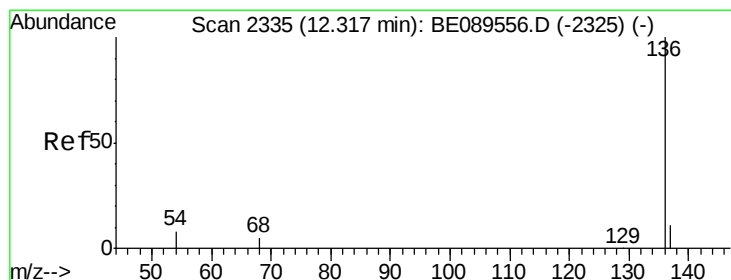
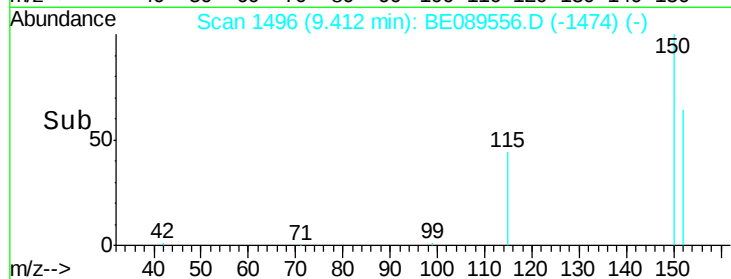
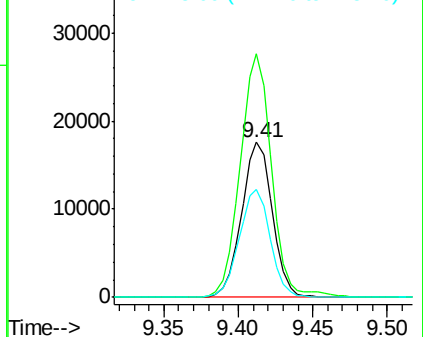
115 69.7 55.8 83.6



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. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

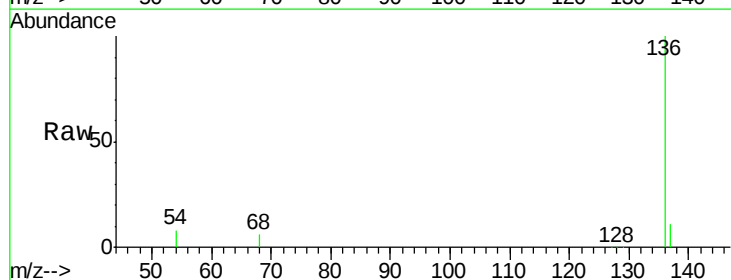
Tgt Ion:136 Resp: 89390

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

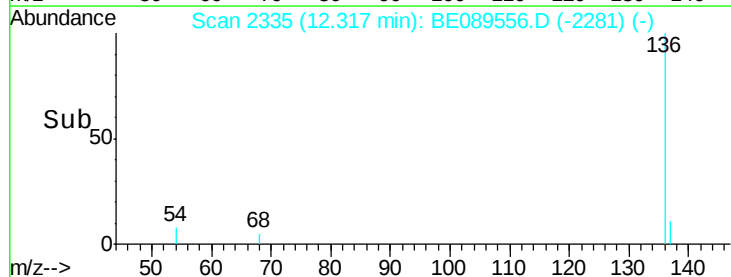
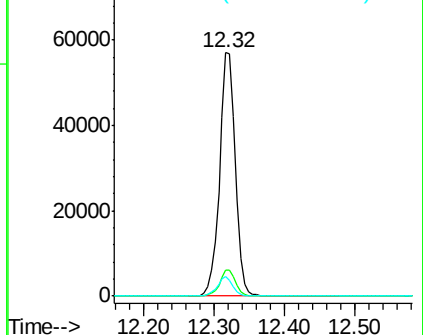
54 8.2 6.6 9.8

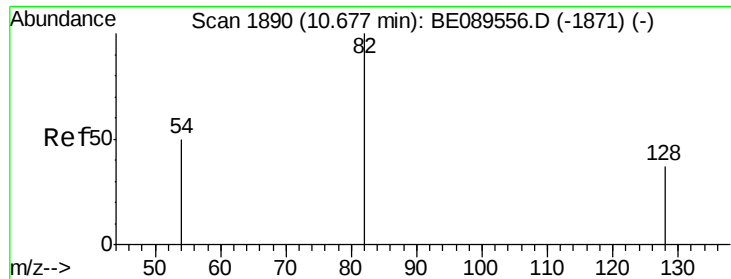


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 1.01 ng

RT: 10.68 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

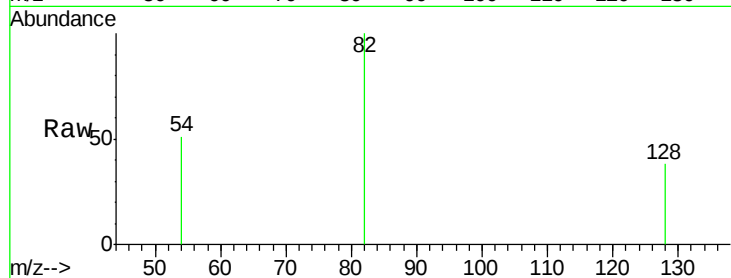
Tgt Ion: 82 Resp: 5421

Ion Ratio Lower Upper

82 100

128 38.0 30.4 45.6

54 50.9 40.7 61.1

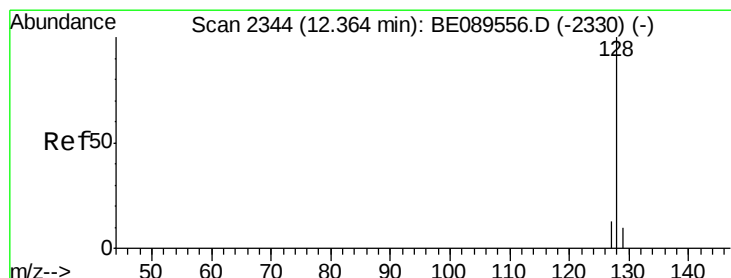
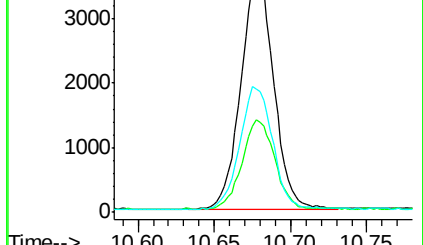
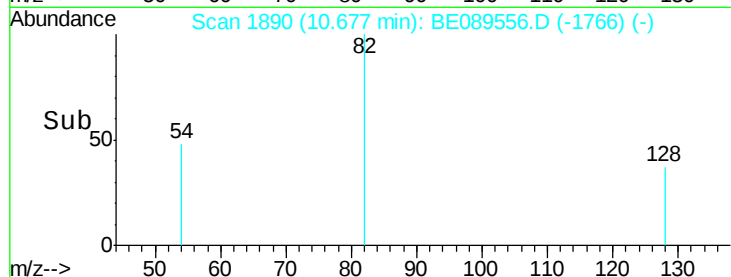


Abundance Ion 82.00 (81.70 to 82.70): BE089556.D (-1871) (-)

Ion 128.00 (127.70 to 128.70): BE089556.D (-1871) (-)

Ion 54.00 (53.70 to 54.70): BE089556.D (-1871) (-)

Time-->



#4

Naphthalene

Concen: 1.04 ng

RT: 12.36 min Scan# 2344

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

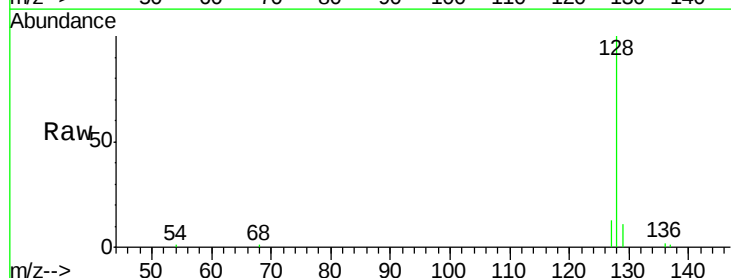
Tgt Ion: 128 Resp: 19871

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

127 13.2 10.6 15.8

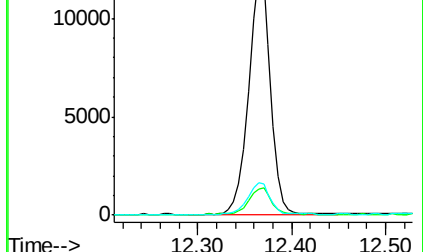
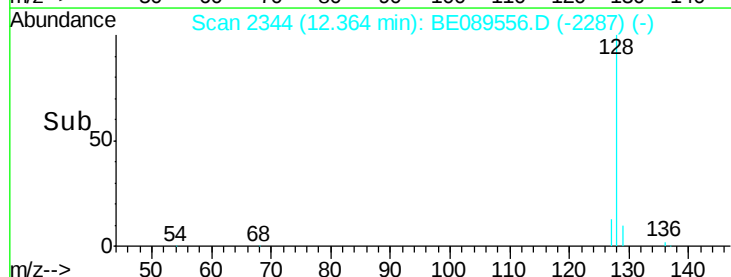


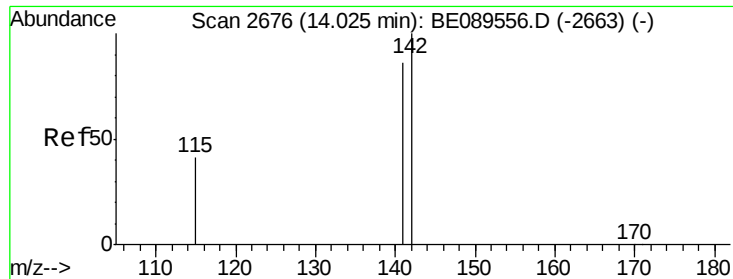
Abundance Ion 128.00 (127.70 to 128.70): BE089556.D (-2330) (-)

Ion 129.00 (128.70 to 129.70): BE089556.D (-2330) (-)

Ion 127.00 (126.70 to 127.70): BE089556.D (-2330) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.95 ng

RT: 14.02 min Scan# 2676

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

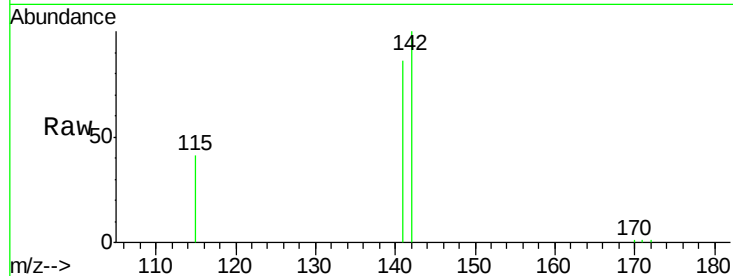
Tgt Ion:142 Resp: 10702

Ion Ratio Lower Upper

142 100

141 85.7 68.6 102.8

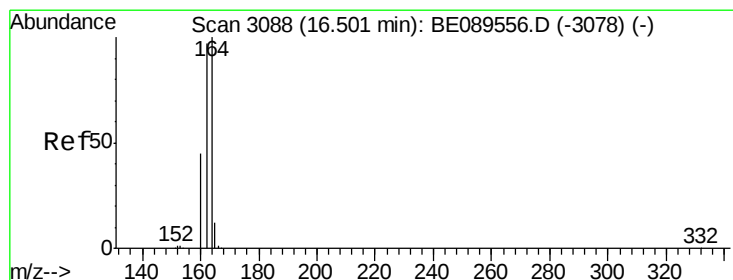
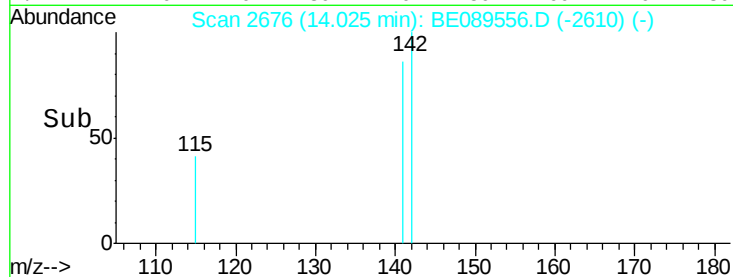
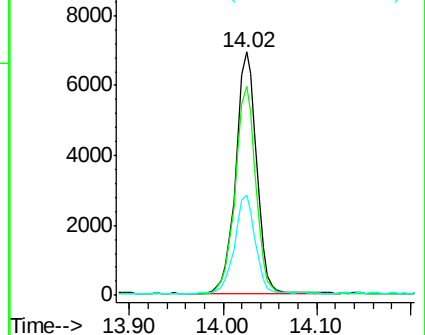
115 41.3 33.0 49.6



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# 3088

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

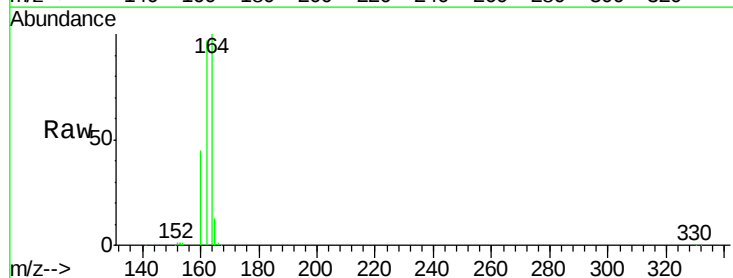
Tgt Ion:164 Resp: 30904

Ion Ratio Lower Upper

164 100

162 97.2 77.8 116.6

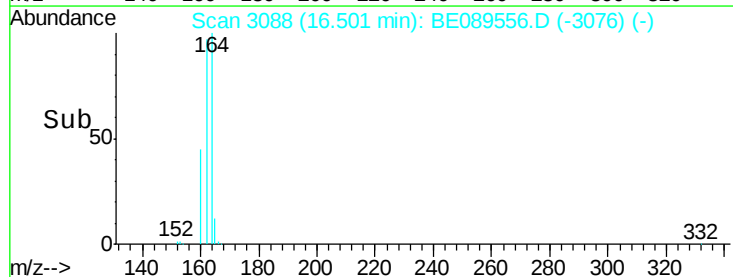
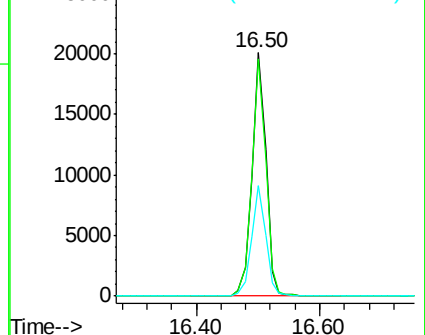
160 45.2 36.2 54.2

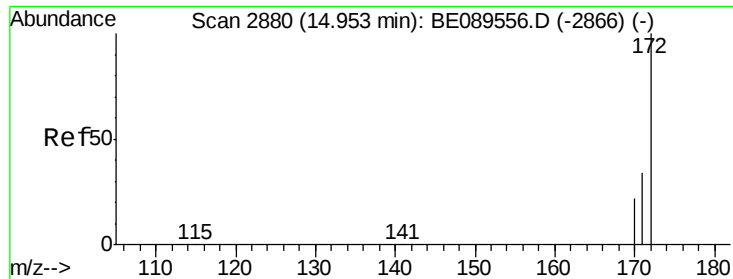


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 1.16 ng

RT: 14.95 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

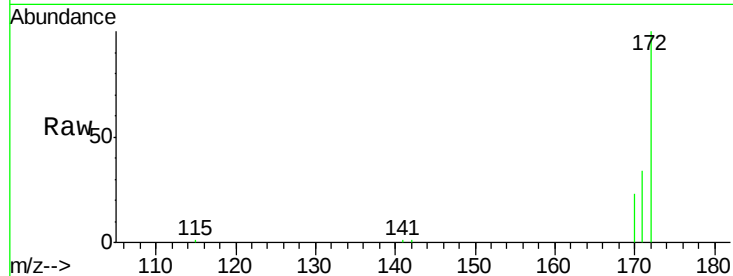
Tgt Ion:172 Resp: 8725

Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

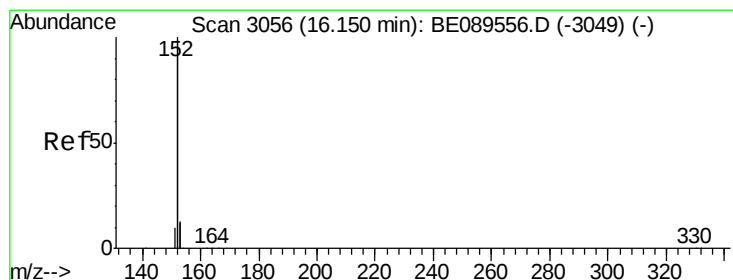
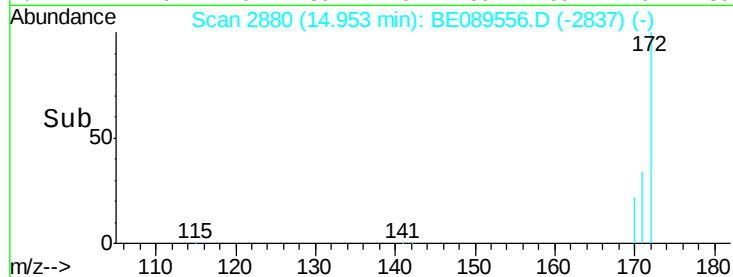
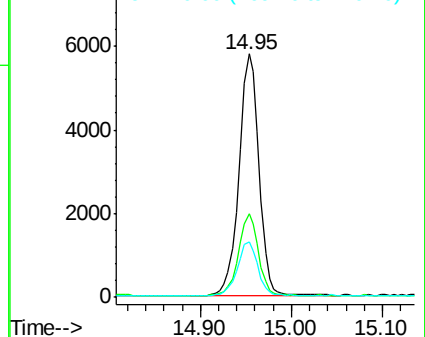
170 22.9 18.3 27.5



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: 1.08 ng

RT: 16.15 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

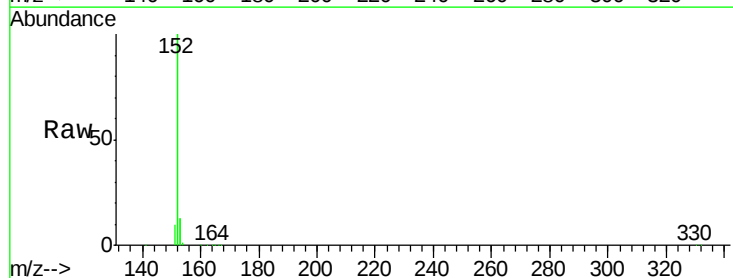
Tgt Ion:152 Resp: 51992

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

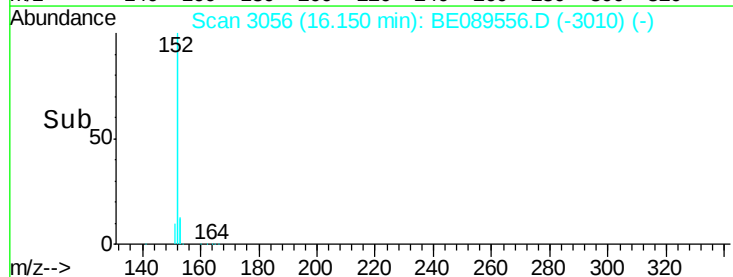
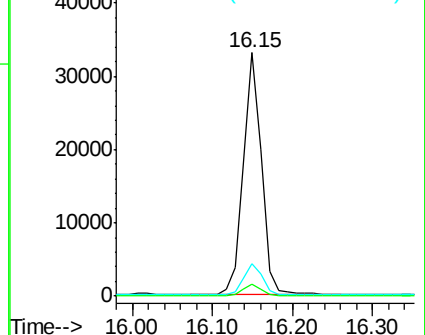
153 13.0 10.4 15.6

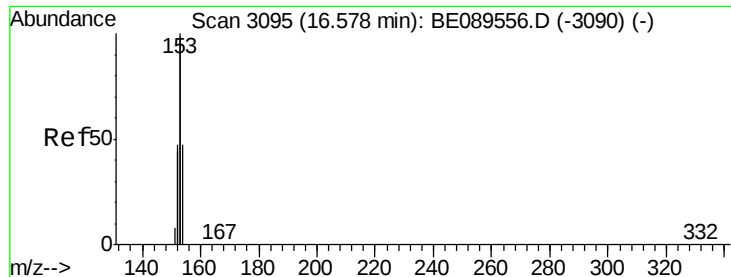


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.06 ng

RT: 16.58 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

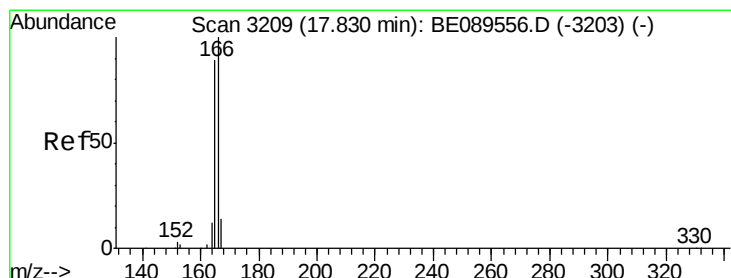
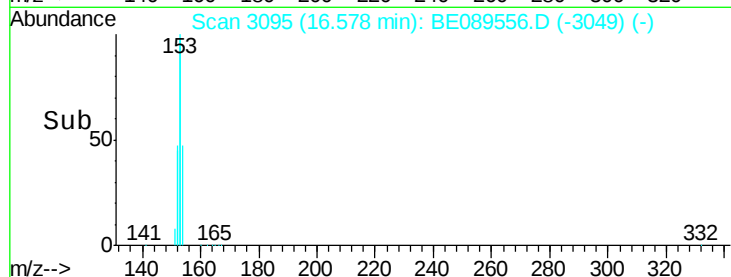
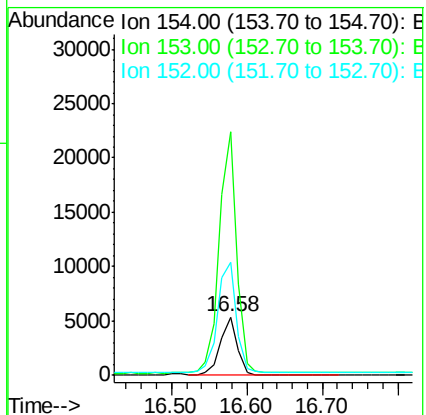
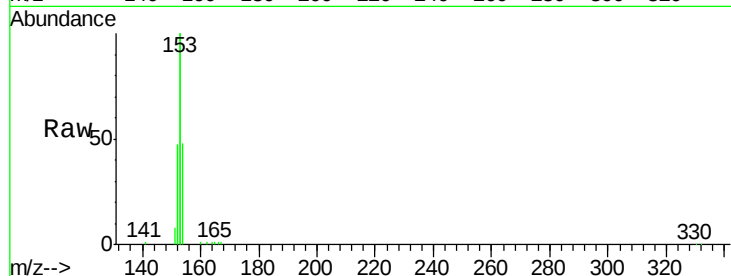
Tgt Ion:154 Resp: 8145

Ion Ratio Lower Upper

154 100

153 436.2 349.0 523.4

152 216.2 173.0 259.4



#10

Fluorene

Concen: 0.98 ng

RT: 17.83 min Scan# 3209

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

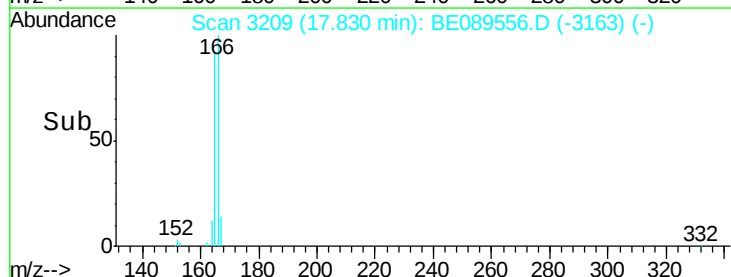
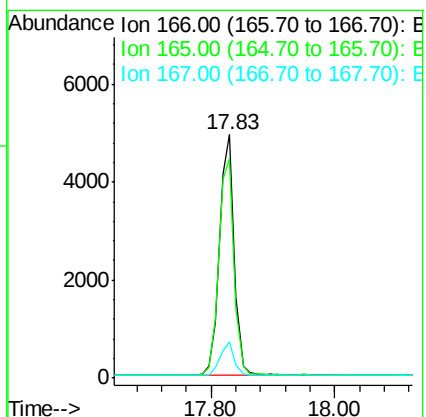
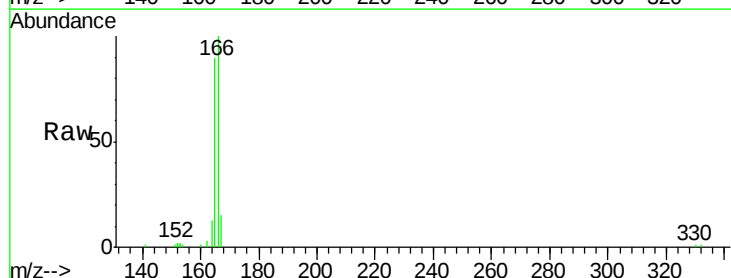
Tgt Ion:166 Resp: 8107

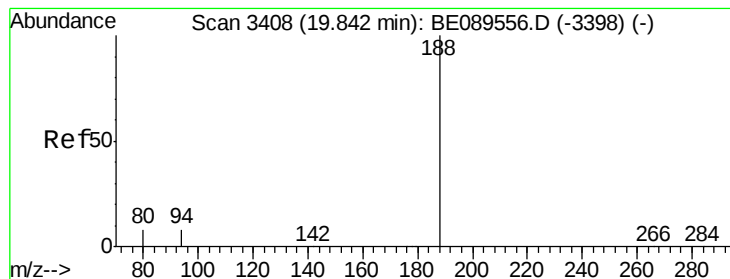
Ion Ratio Lower Upper

166 100

165 93.9 75.1 112.7

167 13.3 10.6 16.0

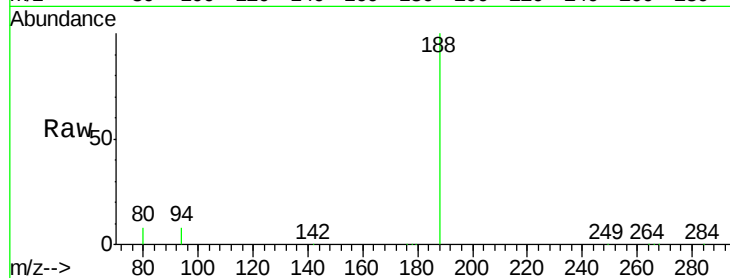




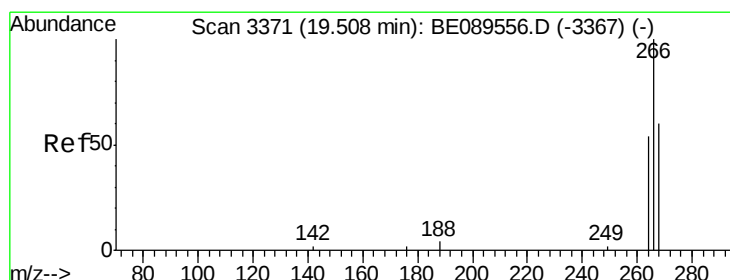
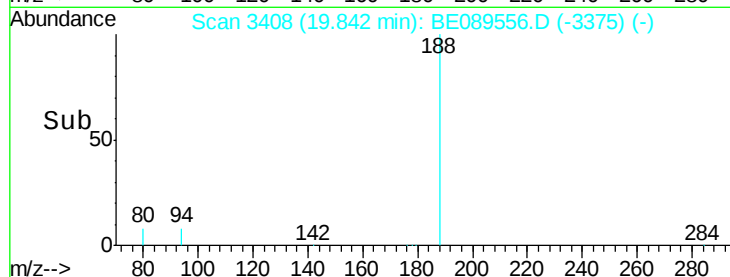
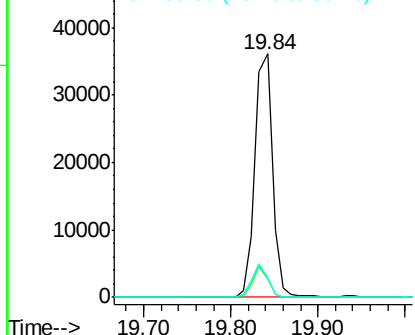
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. 0.00 min
Lab File: BE089556.D
Acq: 10 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion:188 Resp: 49646
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.2
80 8.0 6.4 9.6

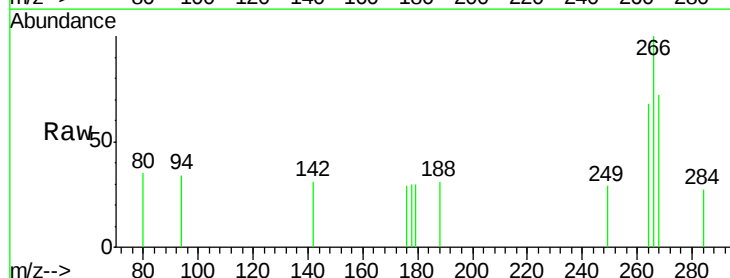


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

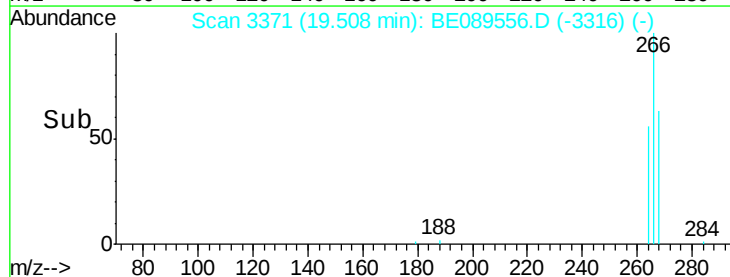
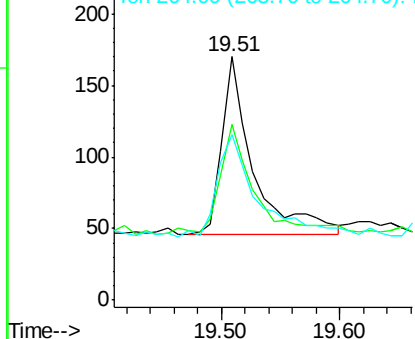


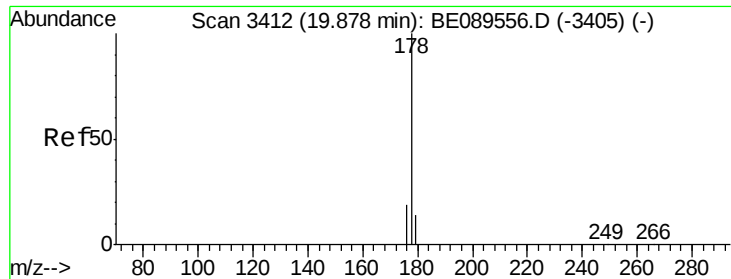
#12
Pentachlorophenol
Concen: 0.17 ng
RT: 19.51 min Scan# 3371
Delta R.T. 0.00 min
Lab File: BE089556.D
Acq: 10 Feb 2015 19:08

Tgt Ion:266 Resp: 229
Ion Ratio Lower Upper
266 100
268 72.4 57.9 86.9
264 68.2 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

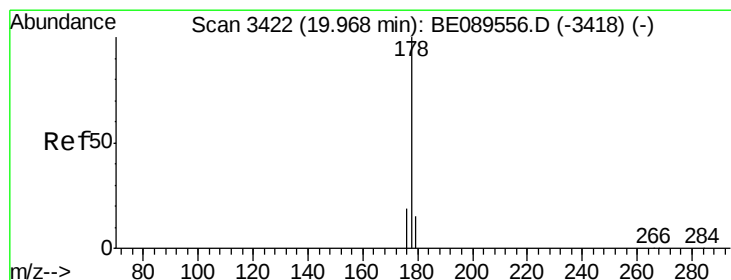
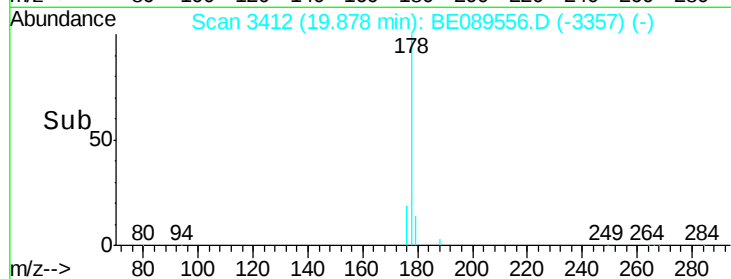
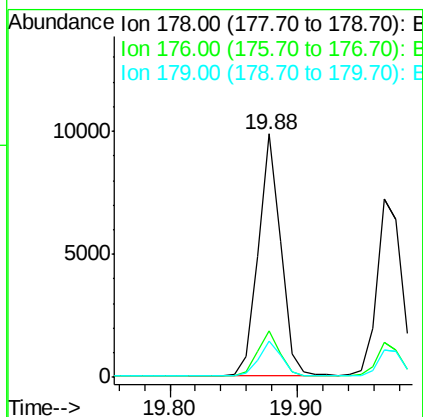
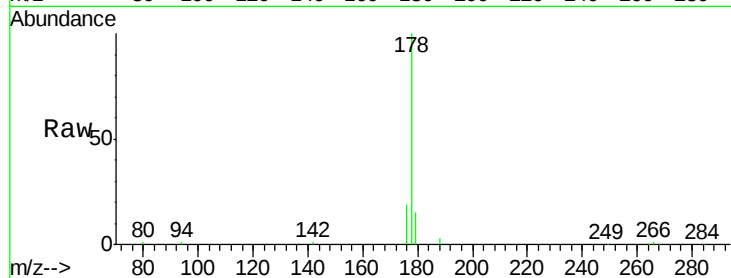




#13
Phenanthrene
Concen: 1.08 ng
RT: 19.88 min Scan# 3412
Delta R.T. 0.00 min
Lab File: BE089556.D
Acq: 10 Feb 2015 19:08

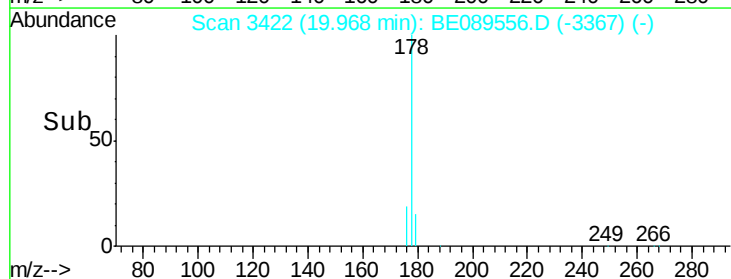
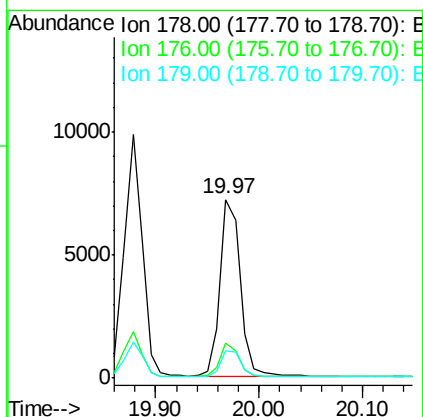
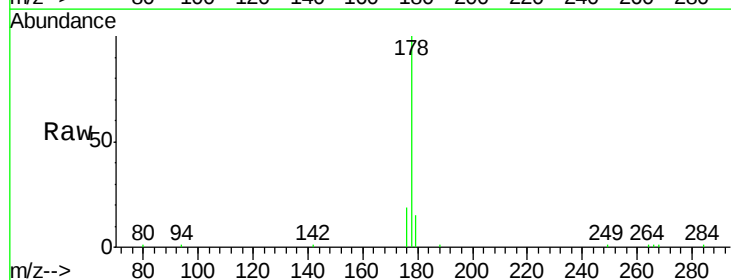
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

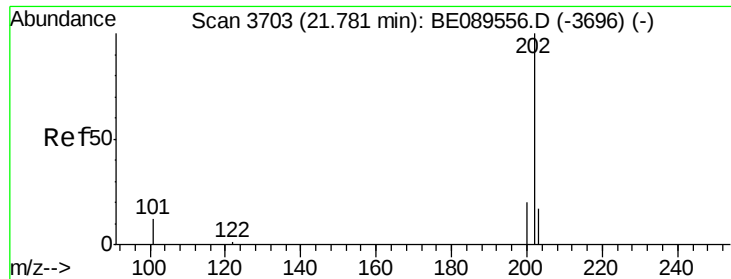
Tgt Ion:178 Resp: 12097
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.1 12.1 18.1



#14
Anthracene
Concen: 1.02 ng
RT: 19.97 min Scan# 3422
Delta R.T. 0.00 min
Lab File: BE089556.D
Acq: 10 Feb 2015 19:08

Tgt Ion:178 Resp: 9811
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.9 12.7 19.1

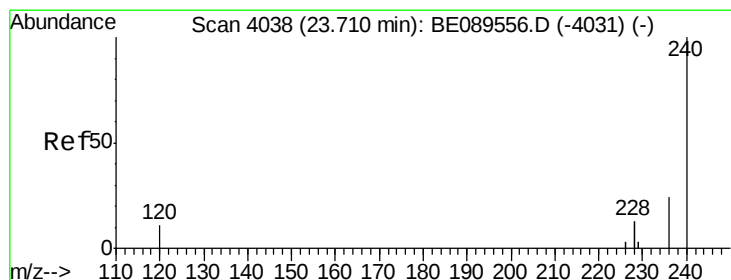
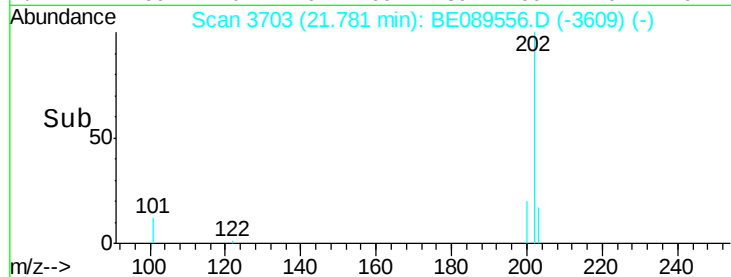
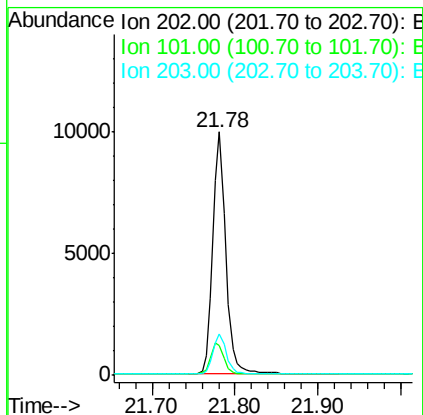
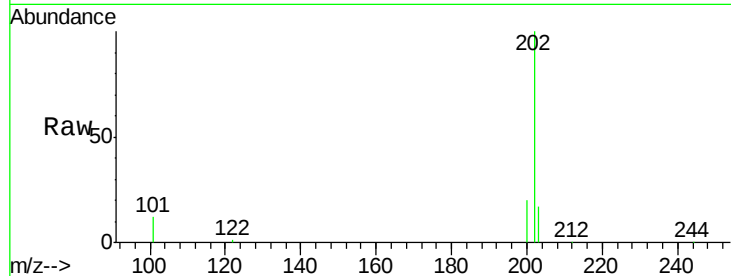




#15
 Fluoranthene
 Concen: 1.09 ng
 RT: 21.78 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: BE089556.D
 Acq: 10 Feb 2015 19:08

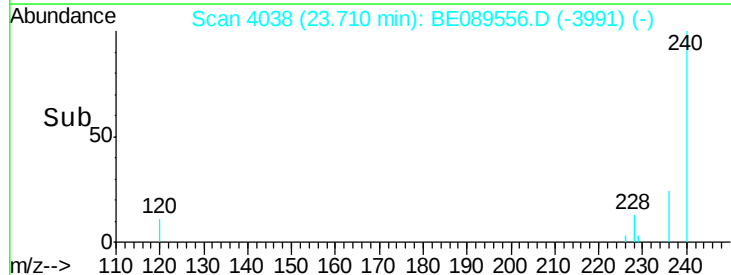
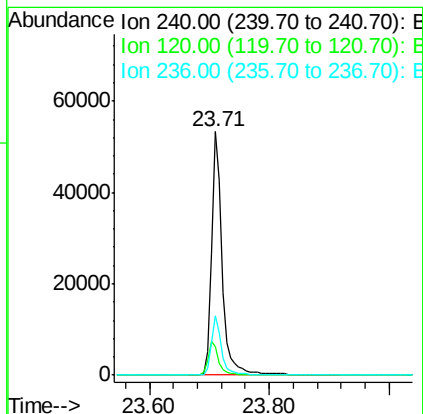
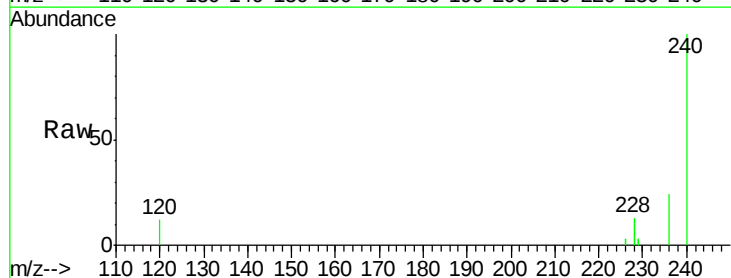
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

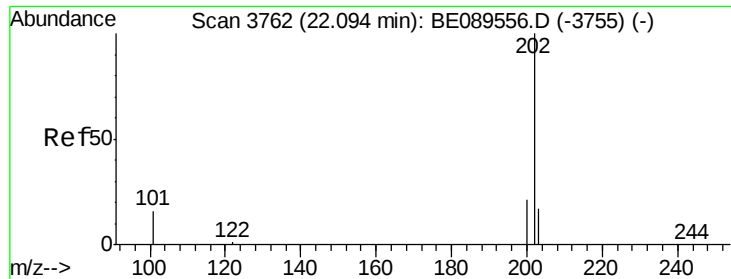
Tgt Ion: 202 Resp: 10876
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.4 15.6
 203 17.0 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: BE089556.D
 Acq: 10 Feb 2015 19:08

Tgt Ion: 240 Resp: 64724
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.3 13.9
 236 24.1 19.3 28.9





#17

Pyrene

Concen: 0.88 ng

RT: 22.09 min Scan# 3762

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

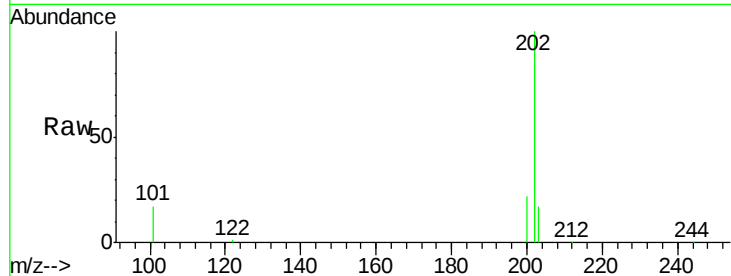
Tgt Ion:202 Resp: 11948

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

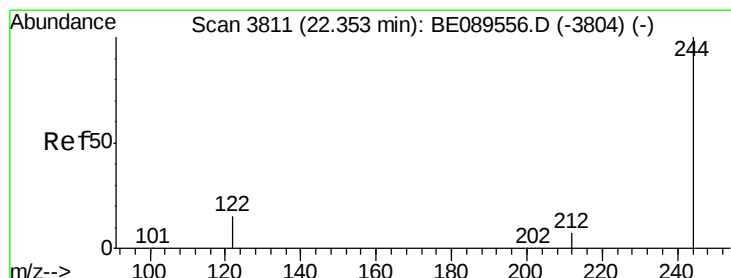
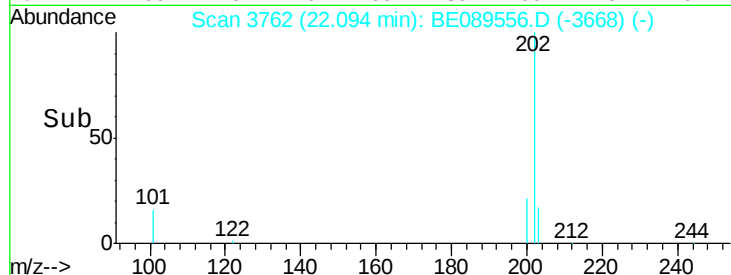
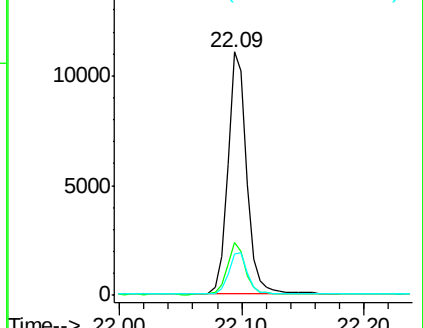
203 17.7 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 0.87 ng

RT: 22.35 min Scan# 3811

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

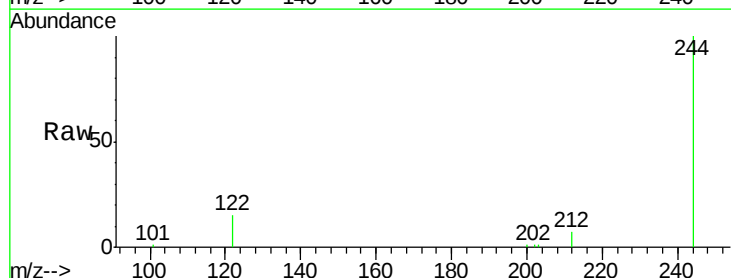
Tgt Ion:244 Resp: 7608

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

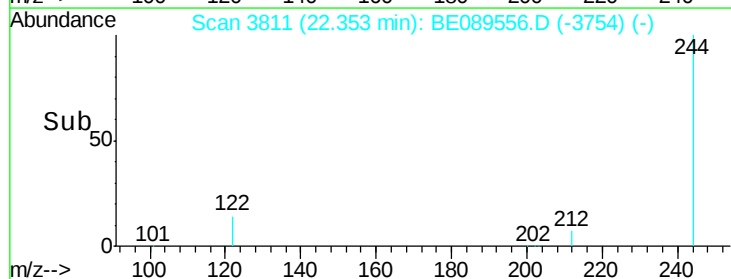
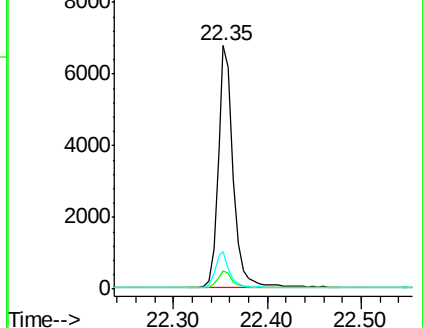
122 15.2 12.2 18.2

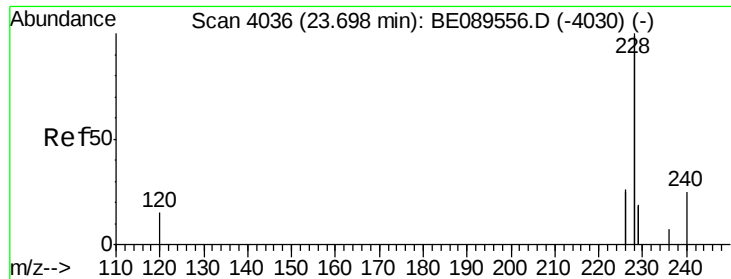


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.99 ng

RT: 23.70 min Scan# 4036

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

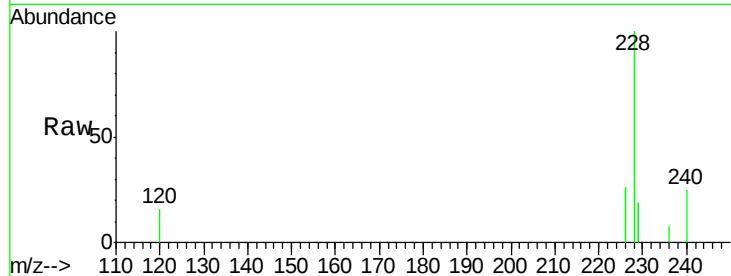
Tgt Ion:228 Resp: 50751

Ion Ratio Lower Upper

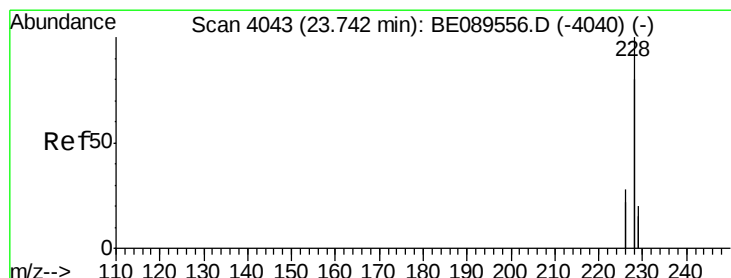
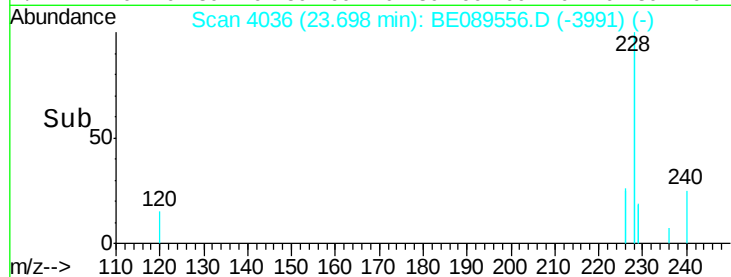
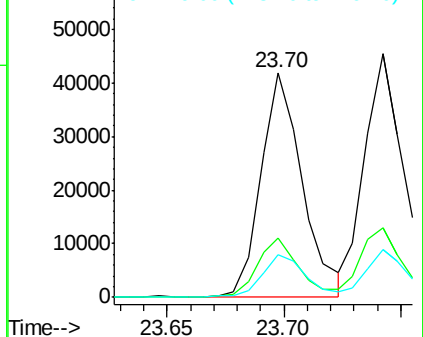
228 100

226 26.2 21.0 31.4

229 19.0 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: 1.10 ng

RT: 23.74 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

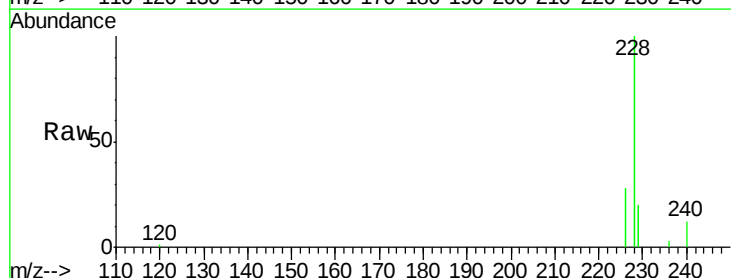
Tgt Ion:228 Resp: 61046

Ion Ratio Lower Upper

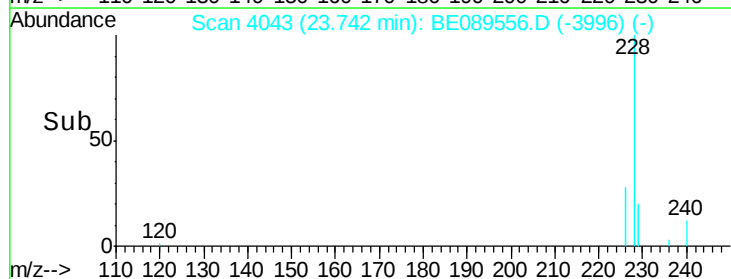
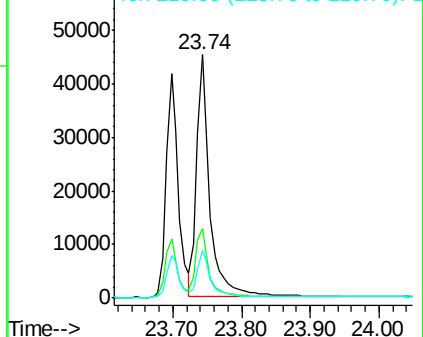
228 100

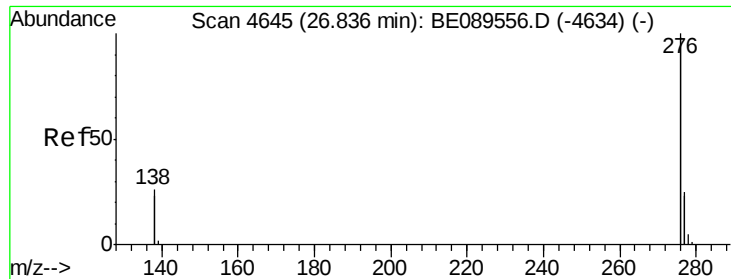
226 28.3 22.6 34.0

229 19.5 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

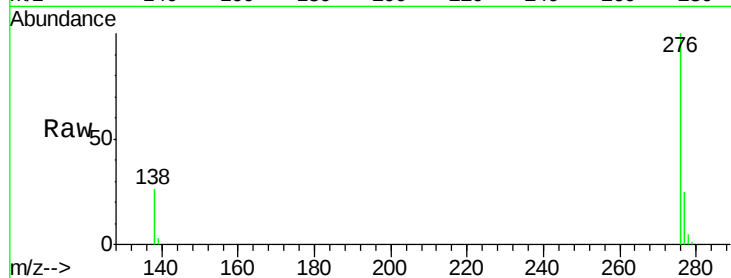




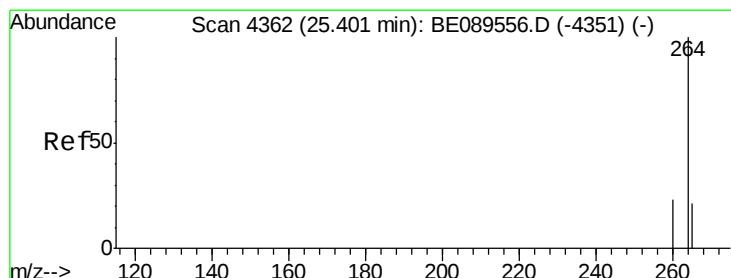
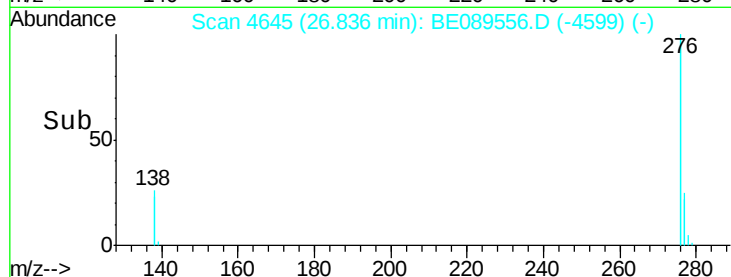
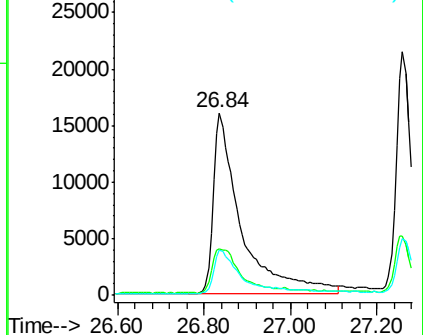
#21
Indeno(1,2,3-cd)pyrene
Concen: 1.51 ng
RT: 26.84 min Scan# 4645
Delta R.T. 0.00 min
Lab File: BE089556.D
Acq: 10 Feb 2015 19:08

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion: 276 Resp: 70711
Ion Ratio Lower Upper
276 100
138 25.2 20.2 30.4
277 24.5 19.6 29.4

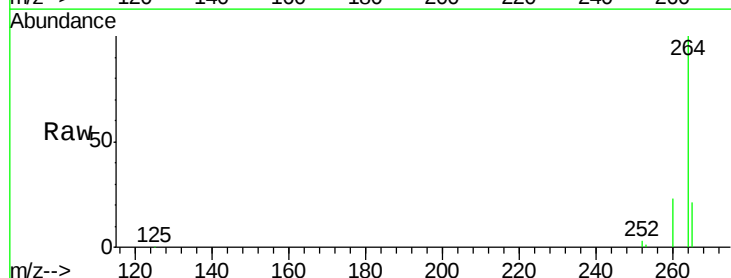


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

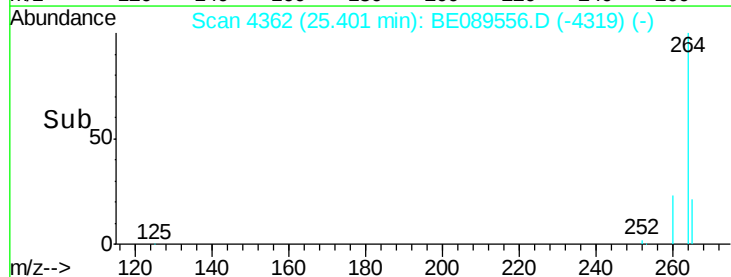
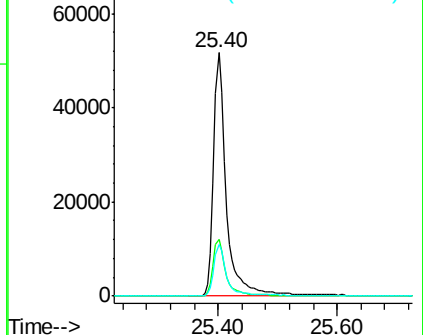


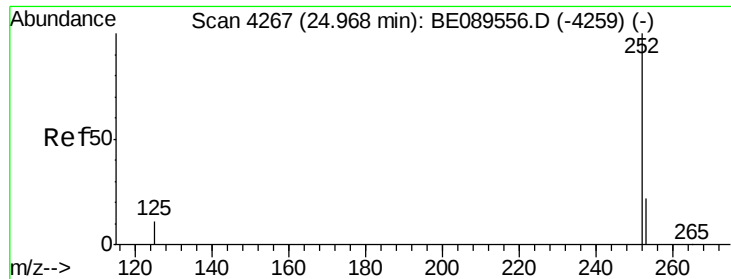
#22
Perylene-d12
Concen: 5.00 ng
RT: 25.40 min Scan# 4362
Delta R.T. 0.00 min
Lab File: BE089556.D
Acq: 10 Feb 2015 19:08

Tgt Ion: 264 Resp: 76038
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.0 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: 0.93 ng

RT: 24.97 min Scan# 4267

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

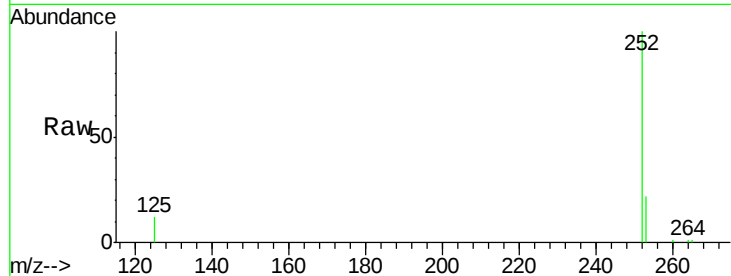
Tgt Ion:252 Resp: 10520

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

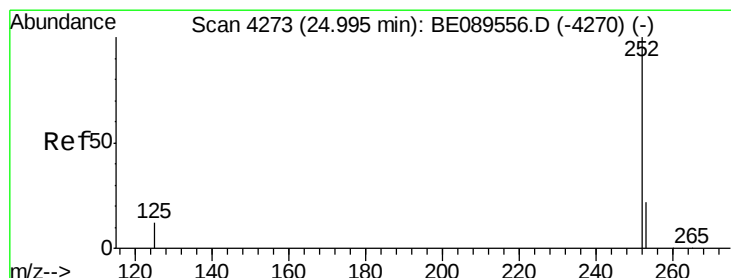
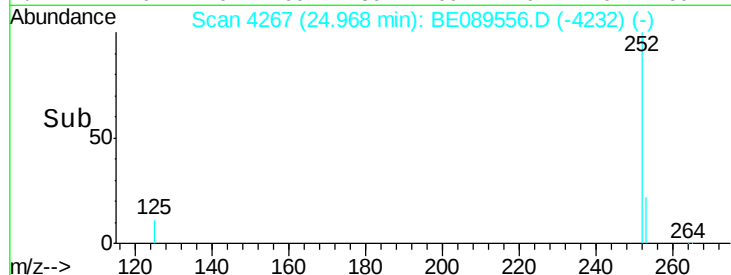
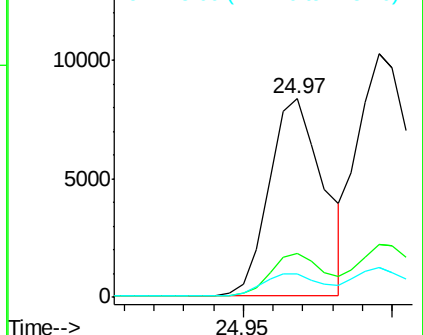
125 11.6 9.3 13.9



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: 1.07 ng

RT: 25.00 min Scan# 4273

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

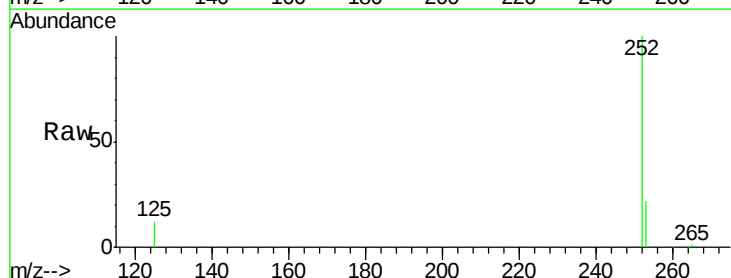
Tgt Ion:252 Resp: 19288

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

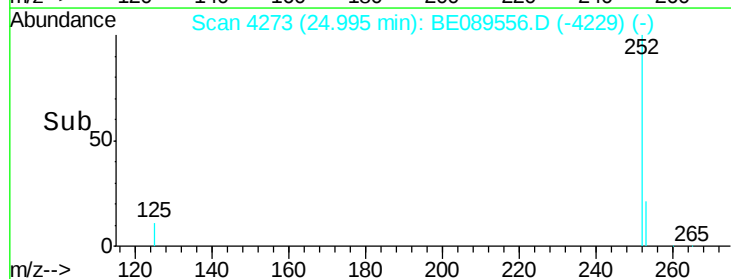
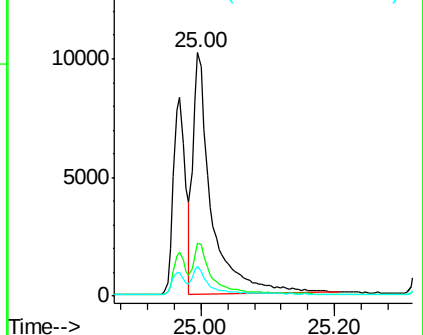
125 12.0 9.6 14.4

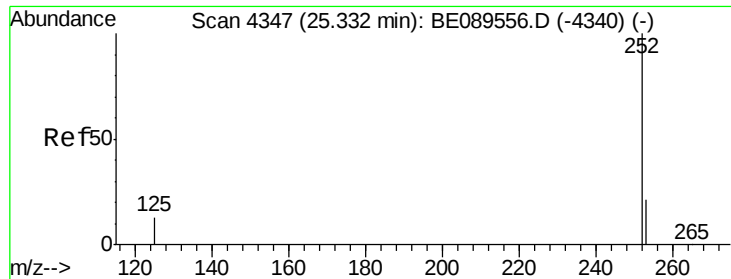


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.97 ng

RT: 25.33 min Scan# 4347

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

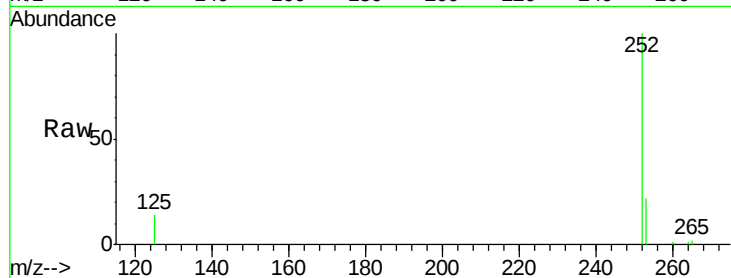
Tgt Ion: 252 Resp: 11144

Ion Ratio Lower Upper

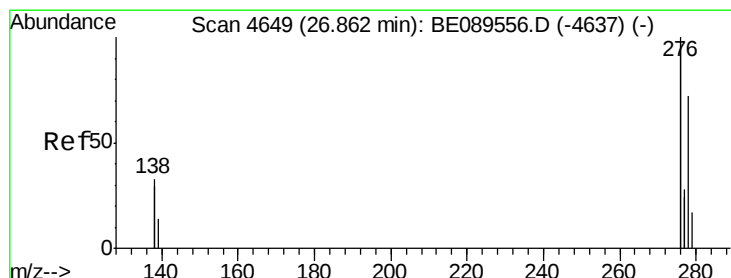
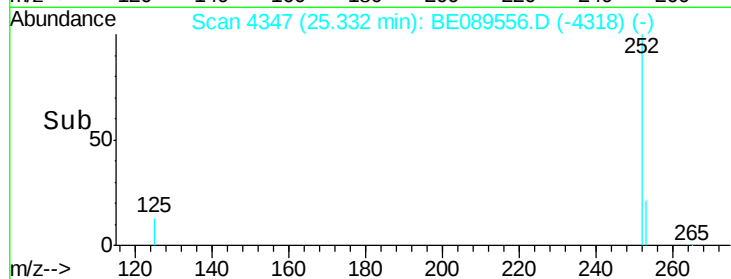
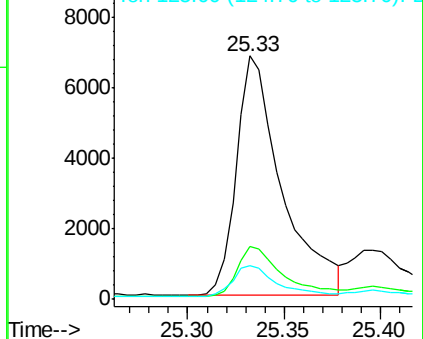
252 100

253 21.7 17.4 26.0

125 13.9 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: 1.24 ng

RT: 26.86 min Scan# 4649

Delta R.T. 0.00 min

Lab File: BE089556.D

Acq: 10 Feb 2015 19:08

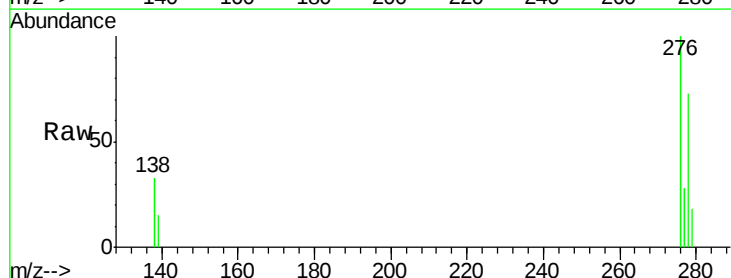
Tgt Ion: 278 Resp: 14616

Ion Ratio Lower Upper

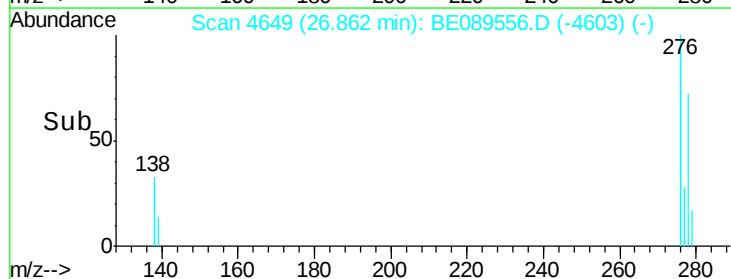
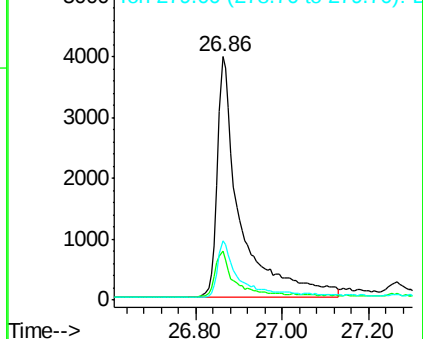
278 100

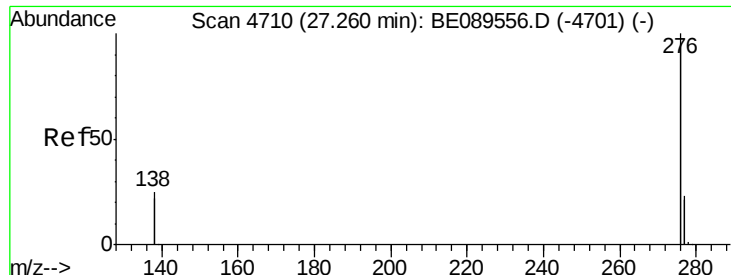
139 20.1 16.1 24.1

279 24.5 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: 1.26 ng

RT: 27.26 min Scan# 4710

Delta R.T. 0.00 min

Lab File: BE089556.D

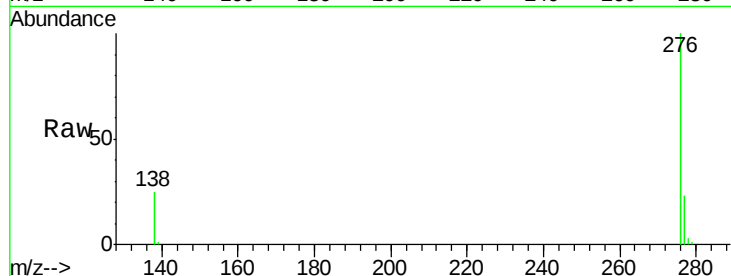
Acq: 10 Feb 2015 19:08

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion: 276 Resp: 66775

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 24.6 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

