

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089528.D
 Acq On : 6 Feb 2015 15:10
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Feb 07 03:35:02 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 03:25:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	33996	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	128329	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	48484	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	80109	5.00	ng	0.00
16) Chrysene-d12	23.72	240	91063	5.00	ng	0.00
22) Perylene-d12	25.42	264	107033	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	7980	0.88	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	12667	0.83	ng	0.00
18) Terphenyl-d14	22.36	244	11528	0.71	ng	0.00

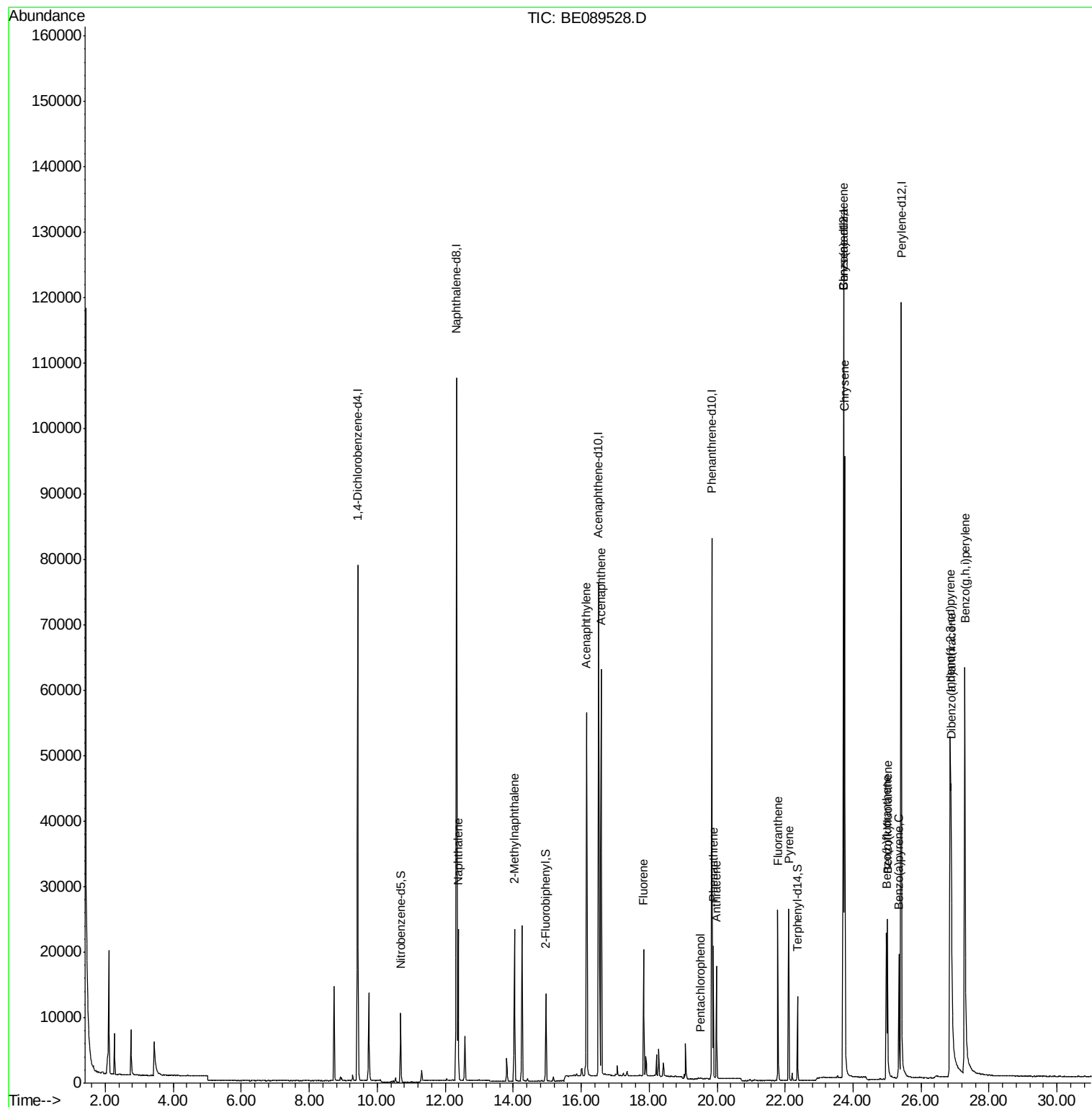
Target Compounds					Qvalue	
4) Naphthalene	12.38	128	28080	0.89	ng	100
5) 2-Methylnaphthalene	14.04	142	15569	0.78	ng	100
8) Acenaphthylene	16.16	152	79300	0.78	ng	100
9) Acenaphthene	16.59	154	12627	0.81	ng	100
10) Fluorene	17.84	166	12707	0.72	ng	100
12) Pentachlorophenol	19.52	266	206	0.34	ng	100
13) Phenanthrene	19.89	178	19276	0.80	ng	100
14) Anthracene	19.99	178	16018	0.73	ng	100
15) Fluoranthene	21.79	202	17442	0.78	ng	100
17) Pyrene	22.11	202	18427	0.67	ng	100
19) Benzo(a)anthracene	23.71	228	76051	0.77	ng	100
20) Chrysene	23.76	228	81383	0.79	ng	100
21) Indeno(1,2,3-cd)pyrene	26.85	276	120393	1.06	ng	100
23) Benzo(b)fluoranthene	24.98	252	19189	0.81	ng	100
24) Benzo(k)fluoranthene	25.01	252	24775	0.73	ng	100
25) Benzo(a)pyrene	25.35	252	19608	0.79	ng	100
26) Dibenzo(a,h)anthracene	26.89	278	25873	0.94	ng	100
27) Benzo(g,h,i)perylene	27.28	276	105350	0.91	ng	100

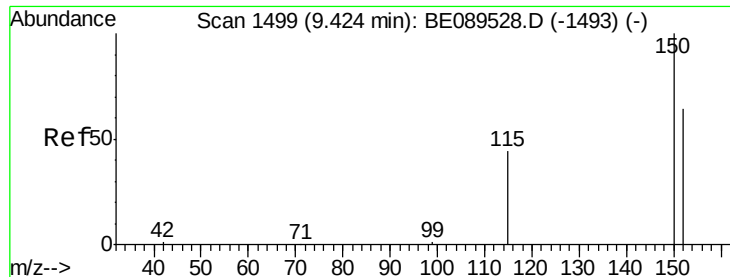
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

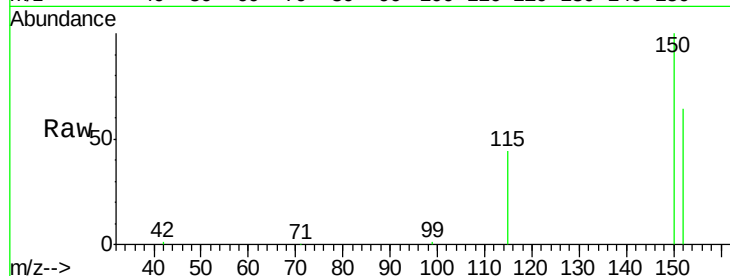
Tgt Ion:152 Resp: 33996

Ion Ratio Lower Upper

152 100

150 157.1 125.7 188.5

115 69.5 55.6 83.4

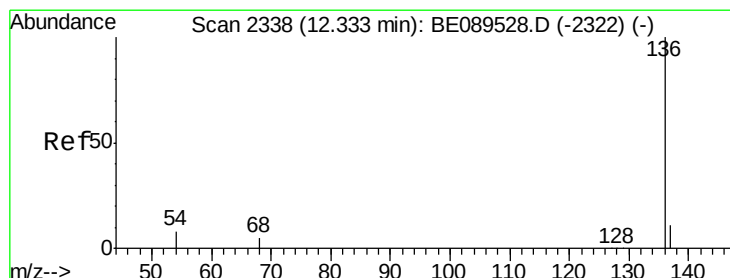
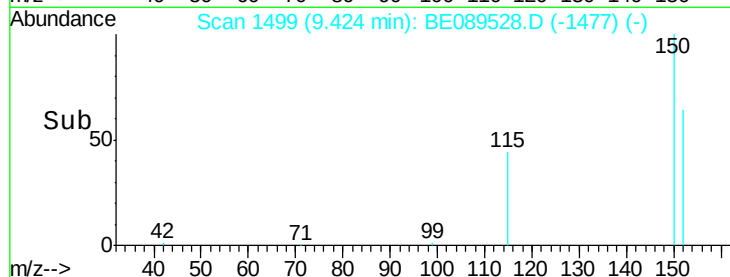
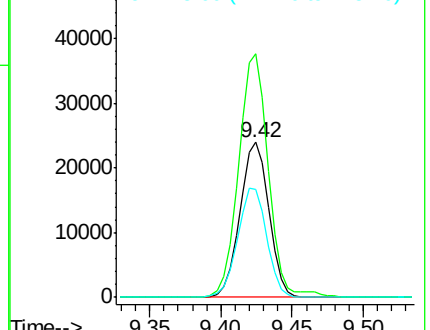


Abundance

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: 12.33 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

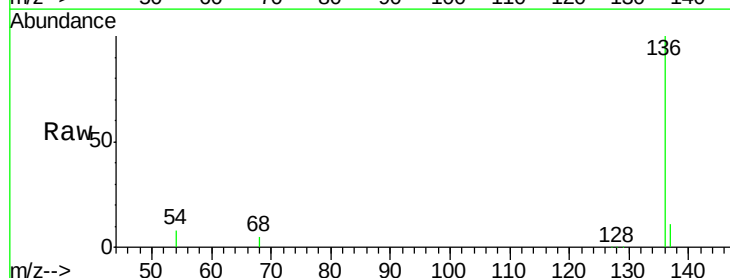
Tgt Ion:136 Resp: 128329

Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.6 6.1 9.1

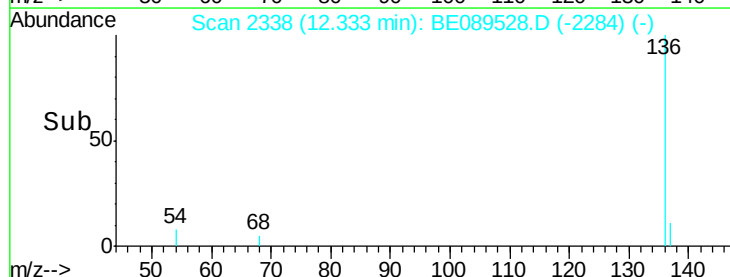
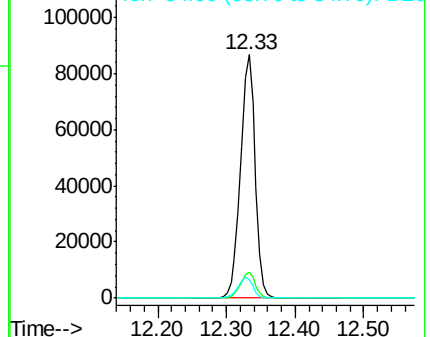


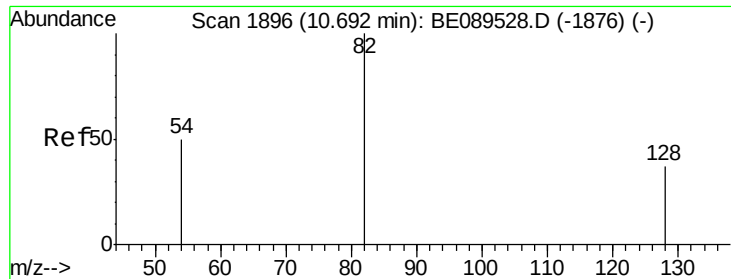
Abundance

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: 0.88 ng

RT: 10.69 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

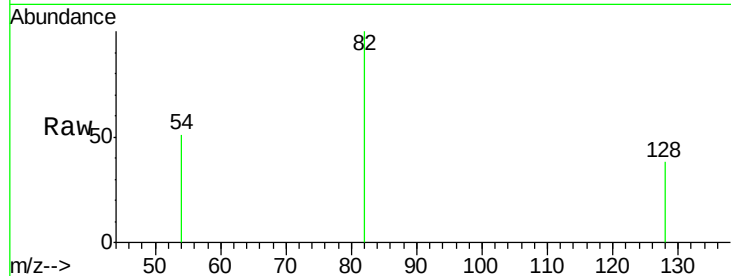
Tgt Ion: 82 Resp: 7980

Ion Ratio Lower Upper

82 100

128 37.8 30.2 45.4

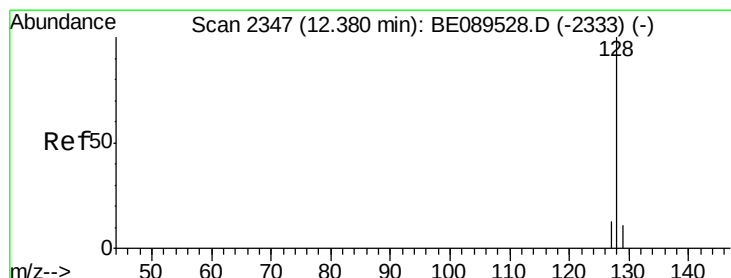
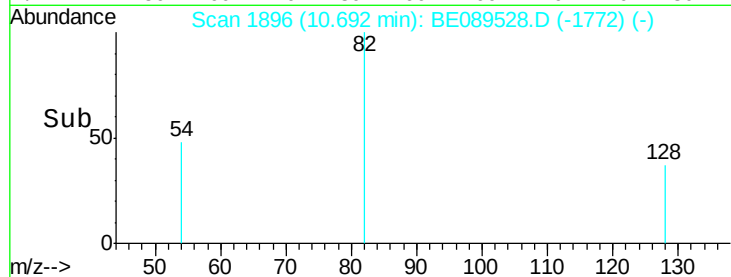
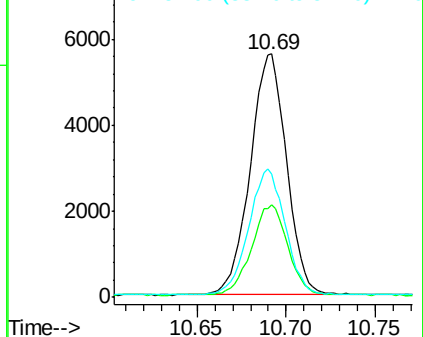
54 50.7 40.6 60.8



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: 0.89 ng

RT: 12.38 min Scan# 2347

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

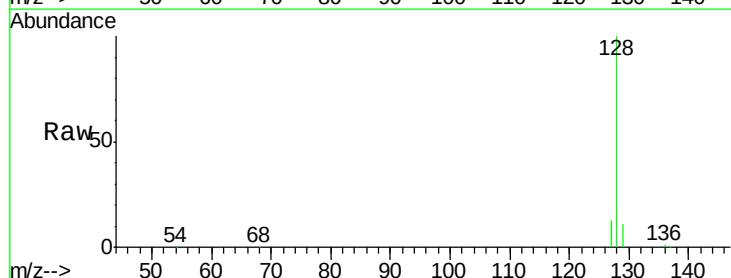
Tgt Ion: 128 Resp: 28080

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

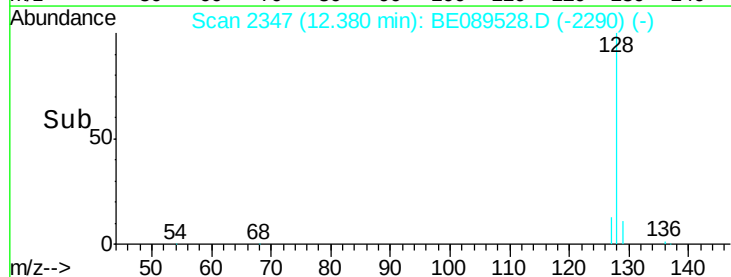
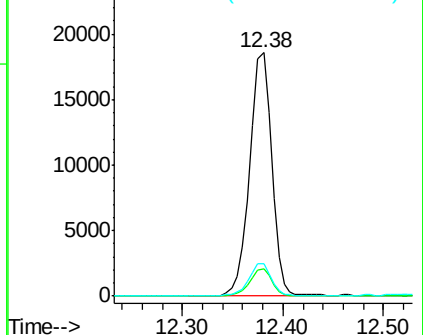
127 13.1 10.5 15.7

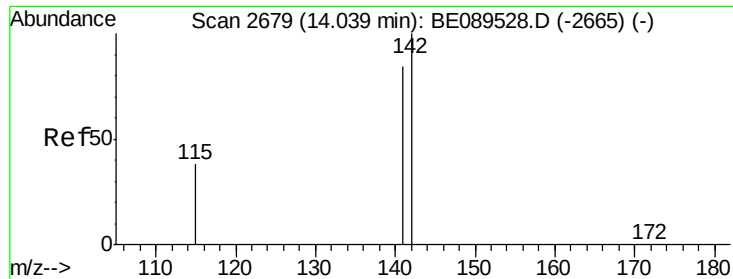


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.78 ng

RT: 14.04 min Scan# 2679

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

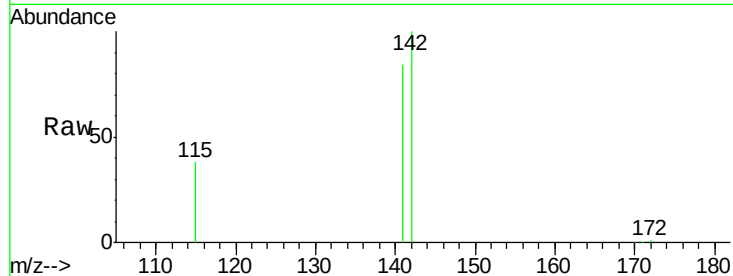
Tgt Ion:142 Resp: 15569

Ion Ratio Lower Upper

142 100

141 83.8 67.0 100.6

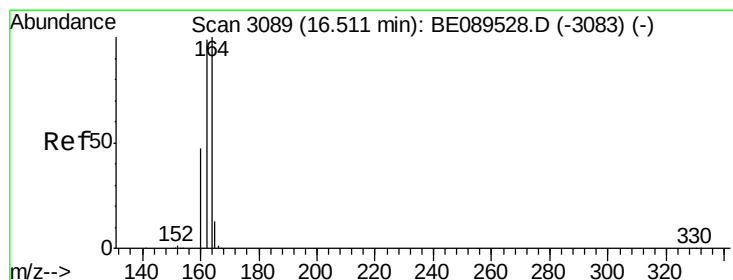
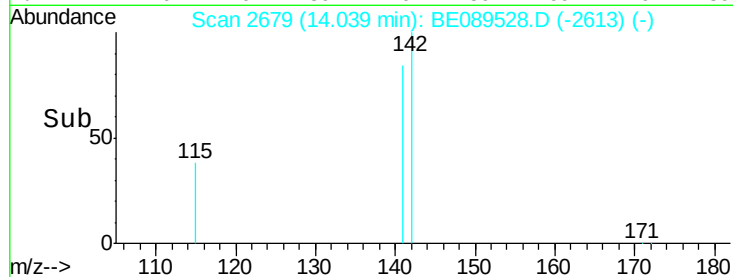
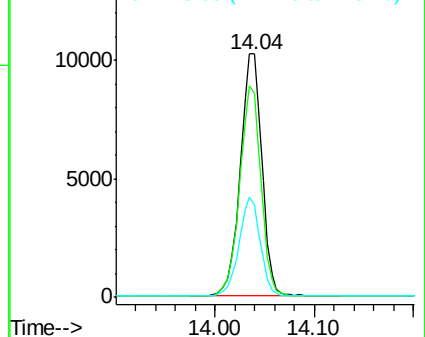
115 38.2 30.6 45.8



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. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

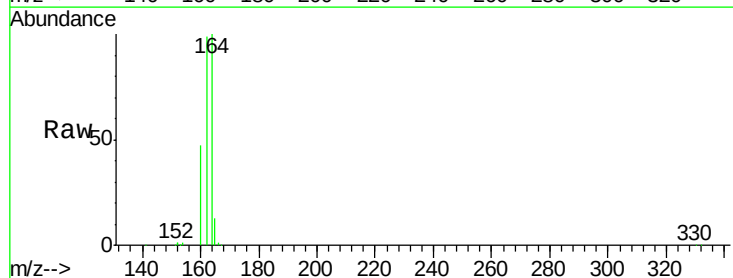
Tgt Ion:164 Resp: 48484

Ion Ratio Lower Upper

164 100

162 99.4 79.5 119.3

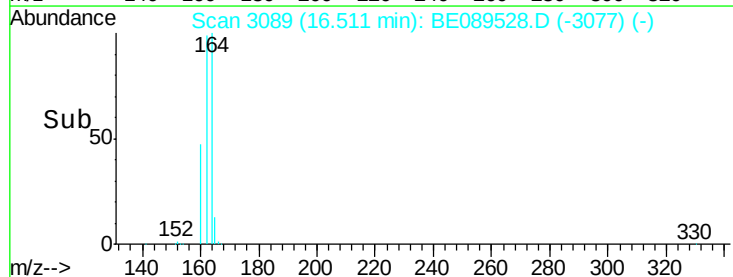
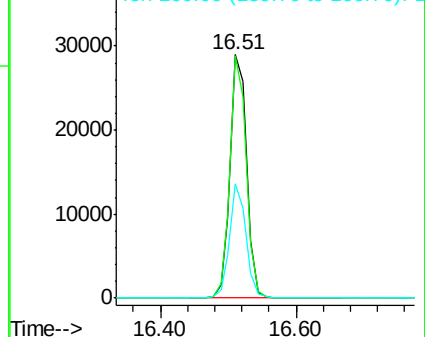
160 47.0 37.6 56.4

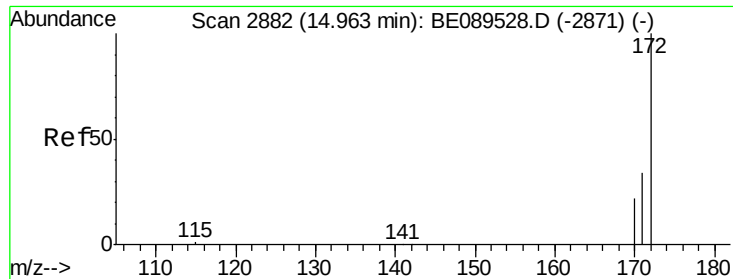


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.83 ng

RT: 14.96 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

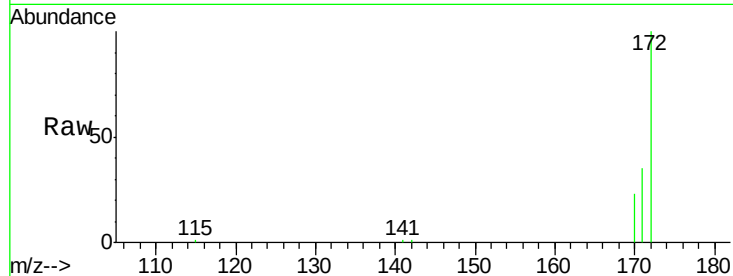
Tgt Ion:172 Resp: 12667

Ion Ratio Lower Upper

172 100

171 34.6 27.7 41.5

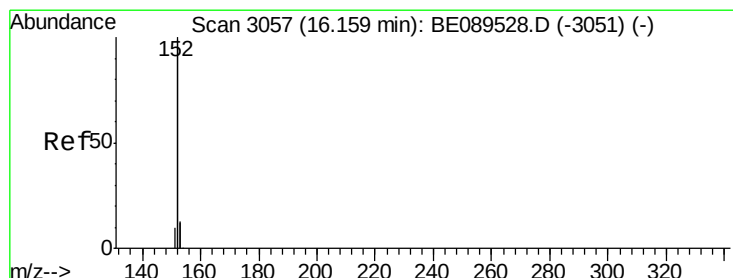
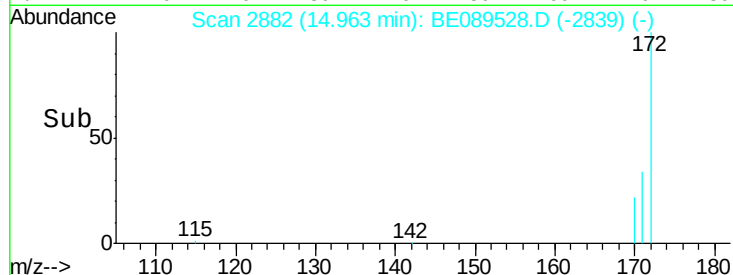
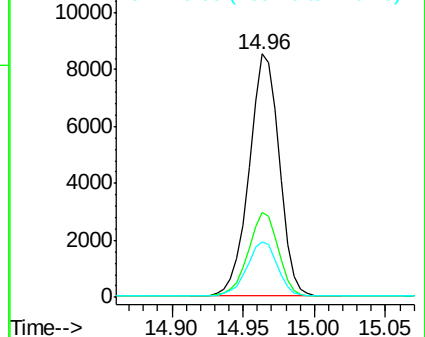
170 22.9 18.3 27.5



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: 0.78 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

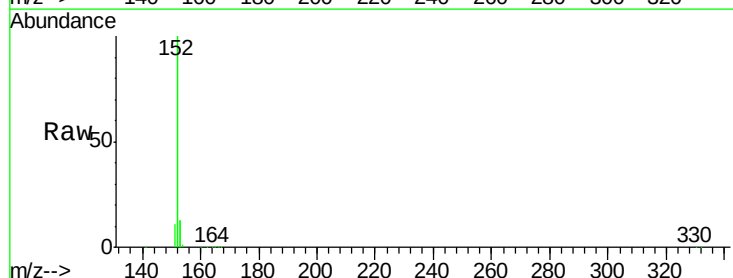
Tgt Ion:152 Resp: 79300

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

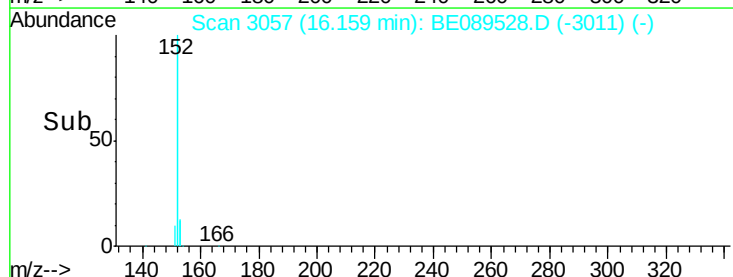
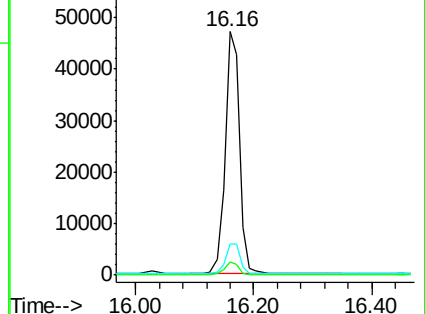
153 13.2 10.6 15.8

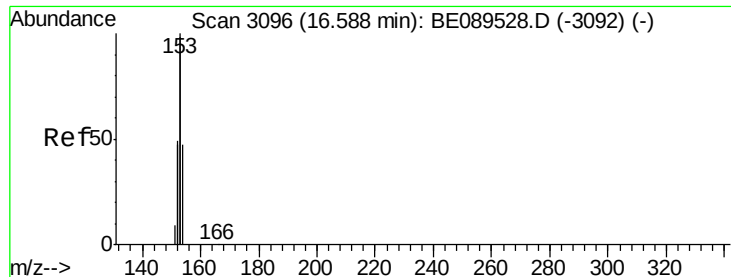


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.81 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

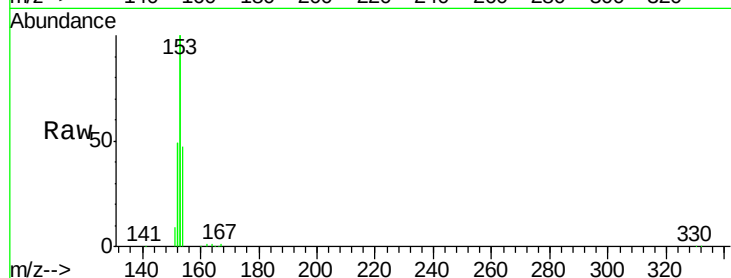
Tgt Ion:154 Resp: 12627

Ion Ratio Lower Upper

154 100

153 426.0 340.8 511.2

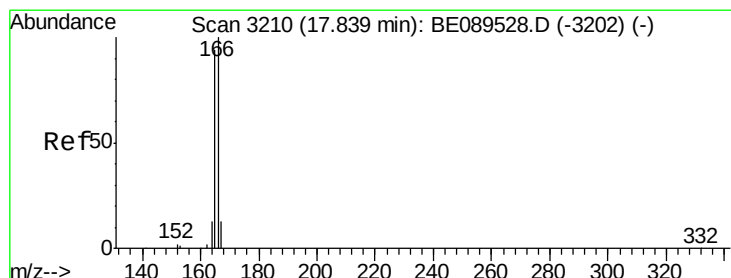
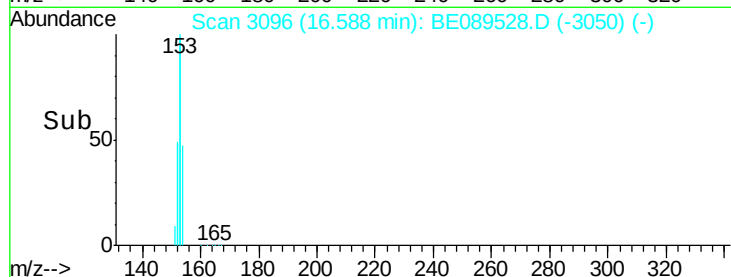
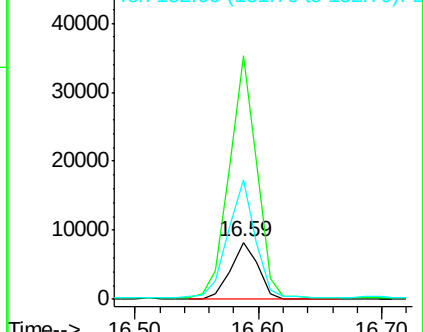
152 206.9 165.5 248.3



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: 0.72 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

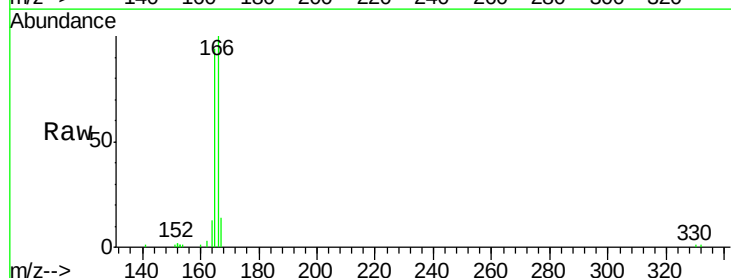
Tgt Ion:166 Resp: 12707

Ion Ratio Lower Upper

166 100

165 94.4 75.5 113.3

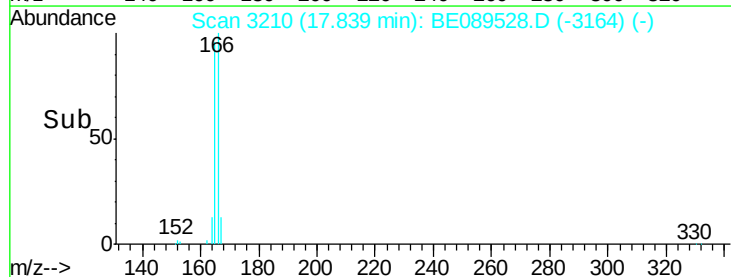
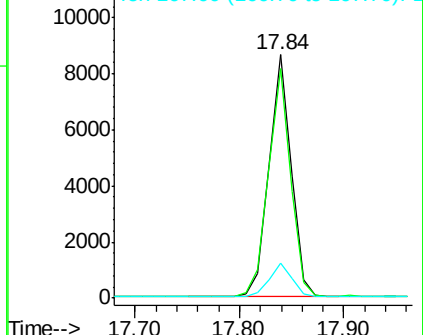
167 13.6 10.9 16.3

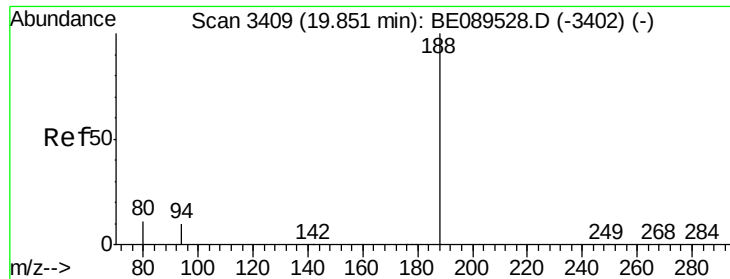


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

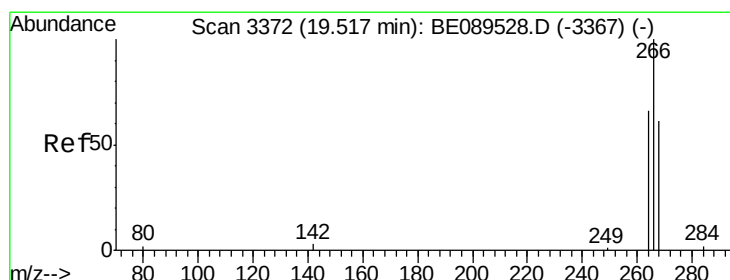
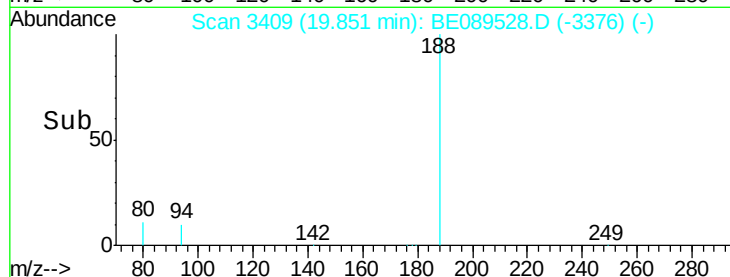
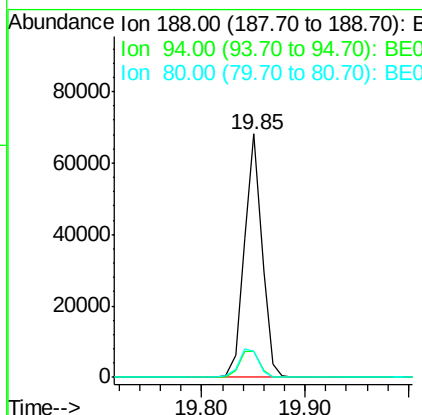
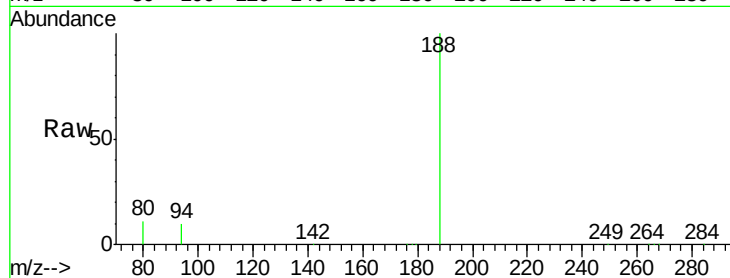




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. 0.00 min
Lab File: BE089528.D
Acq: 6 Feb 2015 15:10

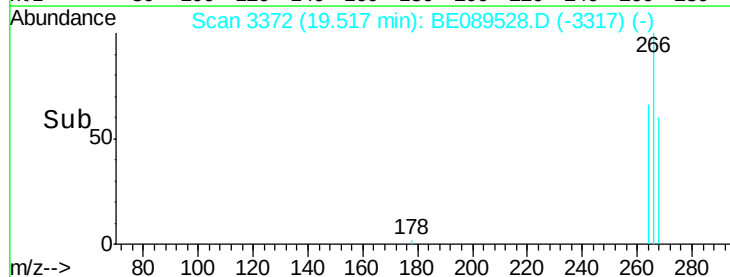
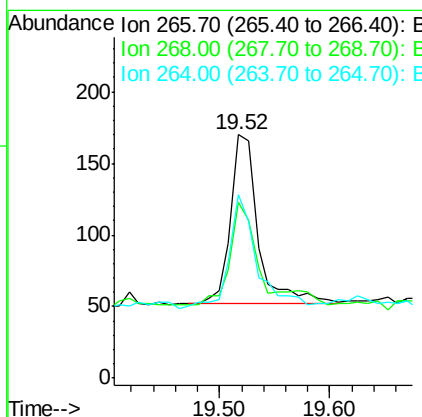
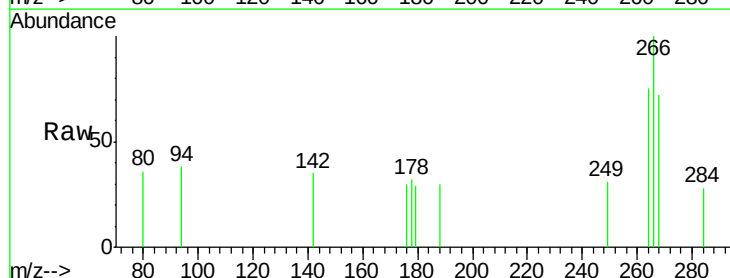
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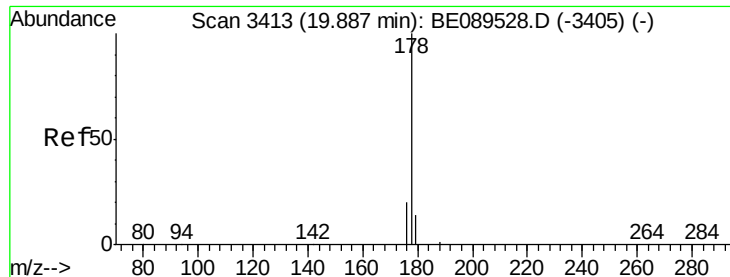
Tgt Ion:188 Resp: 80109
Ion Ratio Lower Upper
188 100
94 10.5 8.4 12.6
80 10.7 8.6 12.8



#12
Pentachlorophenol
Concen: 0.34 ng
RT: 19.52 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BE089528.D
Acq: 6 Feb 2015 15:10

Tgt Ion:266 Resp: 206
Ion Ratio Lower Upper
266 100
268 72.4 57.9 86.9
264 75.3 60.2 90.4

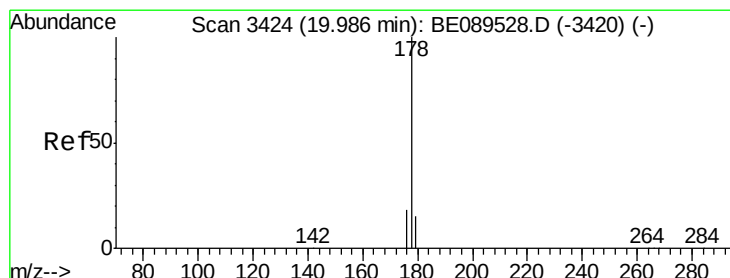
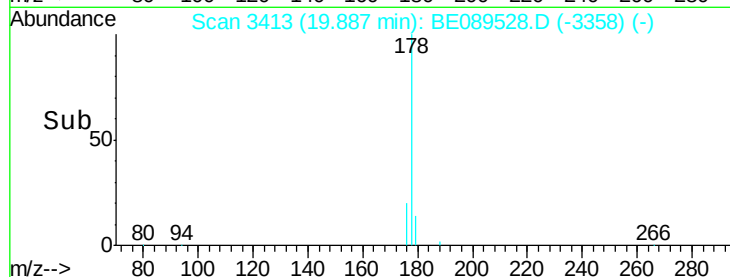
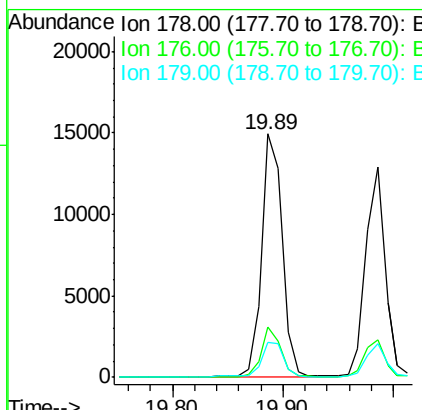
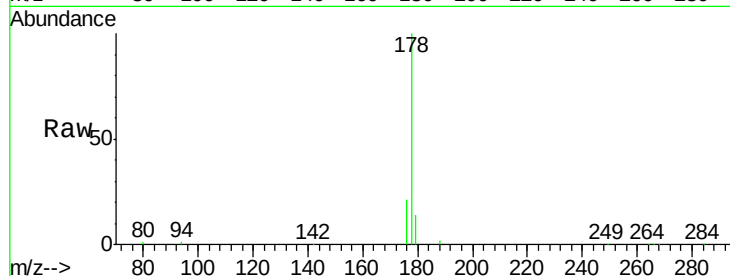




#13
Phenanthrene
Concen: 0.80 ng
RT: 19.89 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BE089528.D
Acq: 6 Feb 2015 15:10

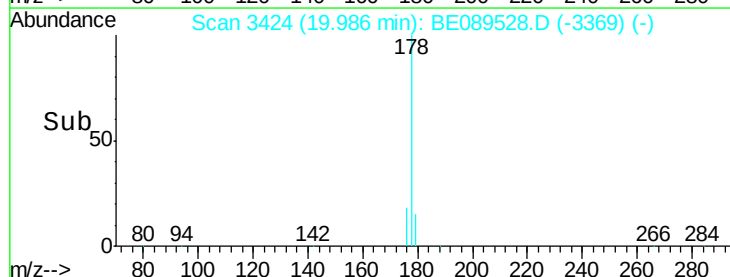
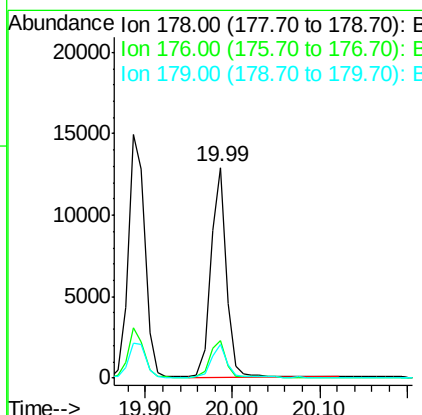
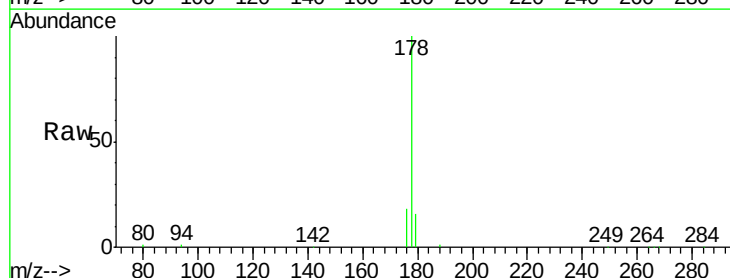
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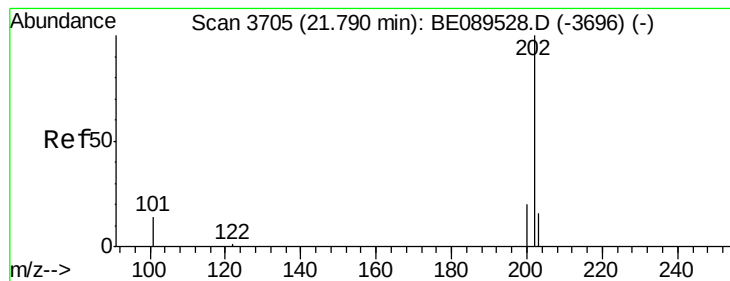
Tgt Ion:178 Resp: 19276
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2



#14
Anthracene
Concen: 0.73 ng
RT: 19.99 min Scan# 3424
Delta R.T. 0.00 min
Lab File: BE089528.D
Acq: 6 Feb 2015 15:10

Tgt Ion:178 Resp: 16018
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 15.2 12.2 18.2





#15

Fluoranthene

Concen: 0.78 ng

RT: 21.79 min Scan# 3705

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

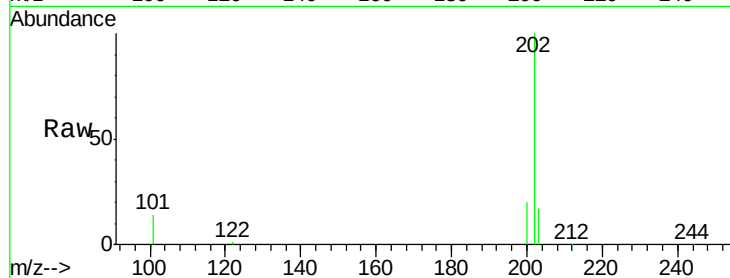
Tgt Ion:202 Resp: 17442

Ion Ratio Lower Upper

202 100

101 14.5 11.6 17.4

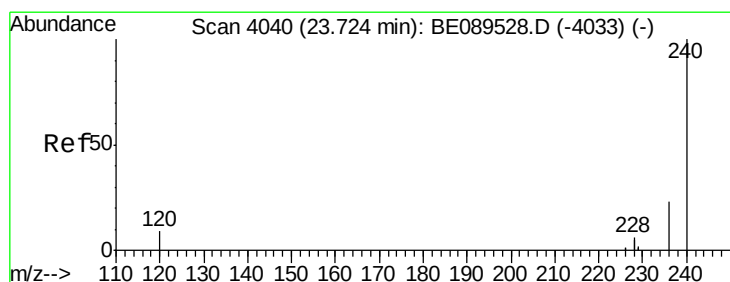
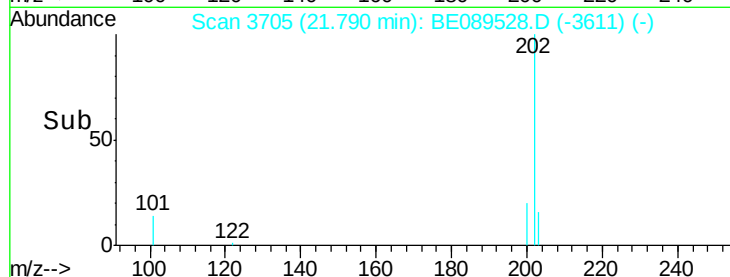
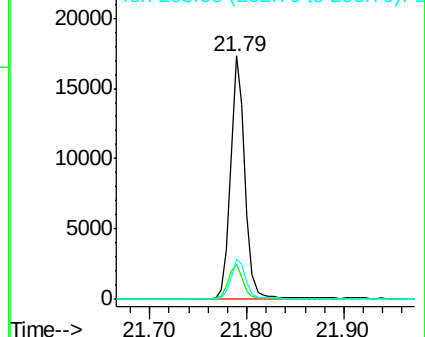
203 17.0 13.6 20.4



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: 23.72 min Scan# 4040

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

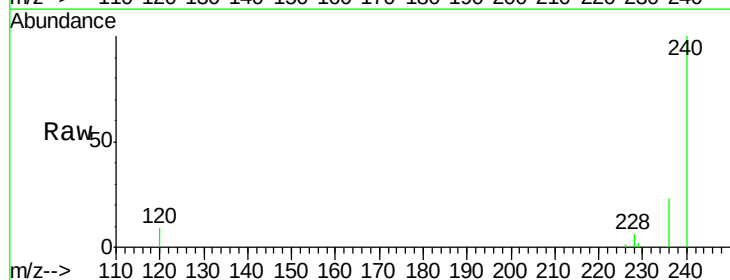
Tgt Ion:240 Resp: 91063

Ion Ratio Lower Upper

240 100

120 9.0 7.2 10.8

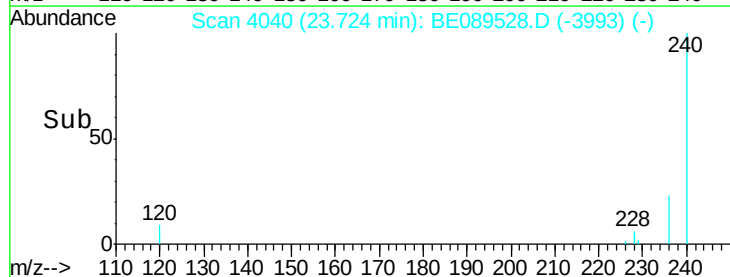
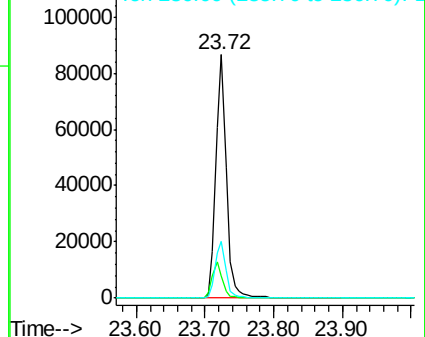
236 23.1 18.5 27.7

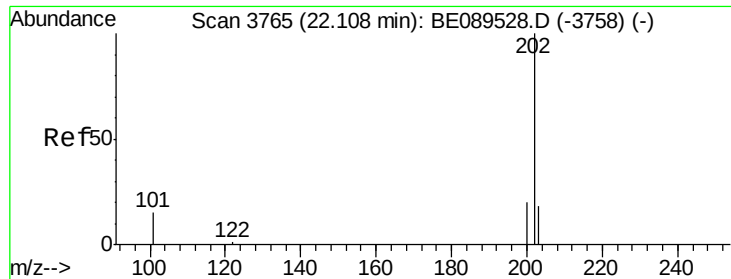


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

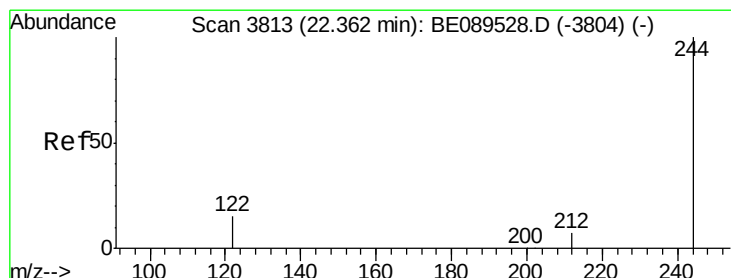
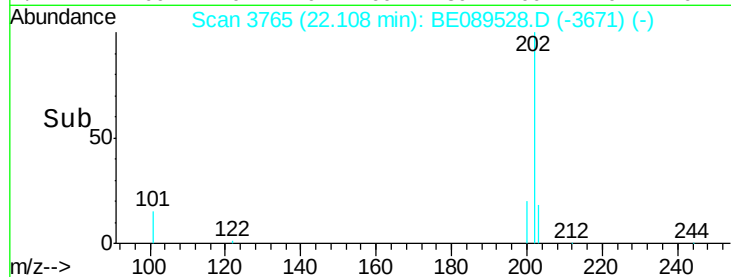
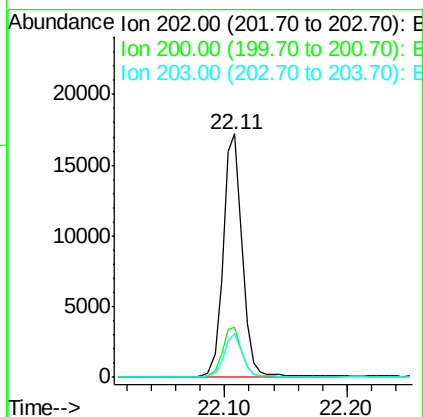
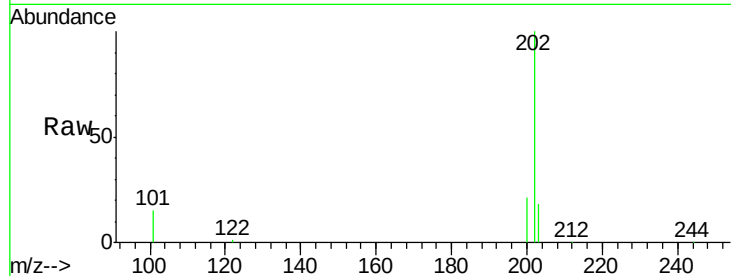




#17
 Pyrene
 Concen: 0.67 ng
 RT: 22.11 min Scan# 3765
 Delta R.T. 0.00 min
 Lab File: BE089528.D
 Acq: 6 Feb 2015 15:10

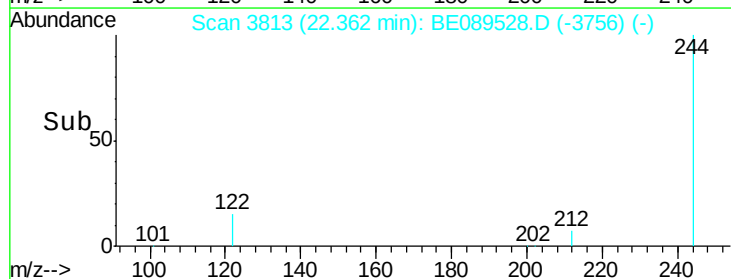
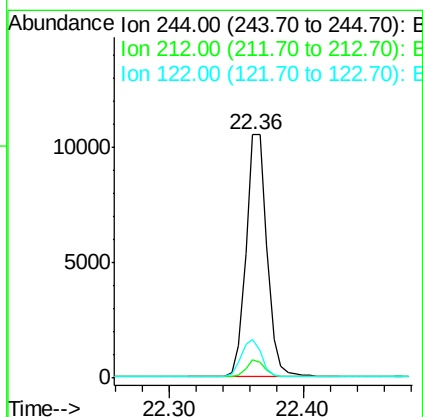
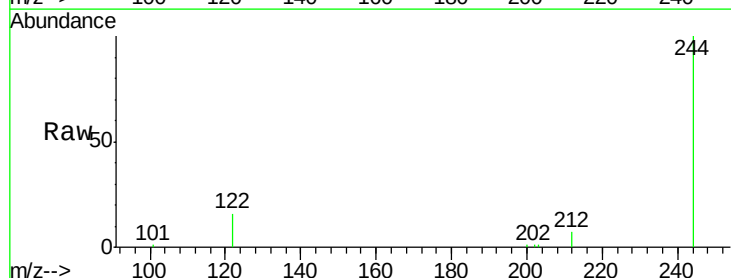
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

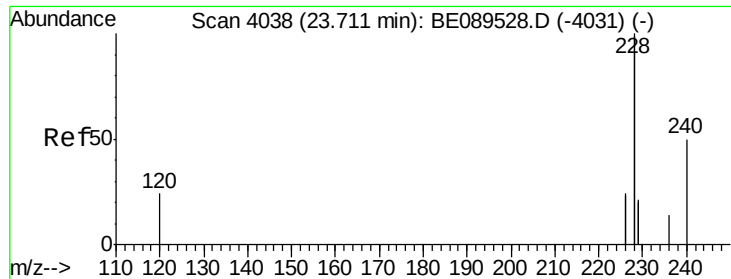
Tgt Ion: 202 Resp: 18427
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.3 24.5
 203 16.9 13.5 20.3



#18
 Terphenyl-d14
 Concen: 0.71 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089528.D
 Acq: 6 Feb 2015 15:10

Tgt Ion: 244 Resp: 11528
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 15.8 12.6 19.0





#19

Benzo(a)anthracene

Concen: 0.77 ng

RT: 23.71 min Scan# 4038

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

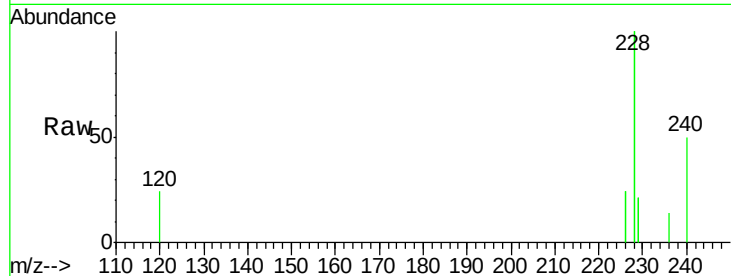
Tgt Ion:228 Resp: 76051

Ion Ratio Lower Upper

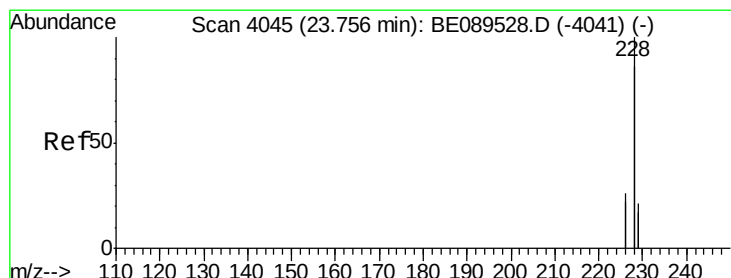
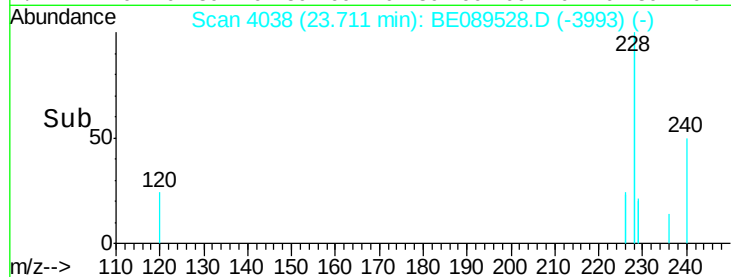
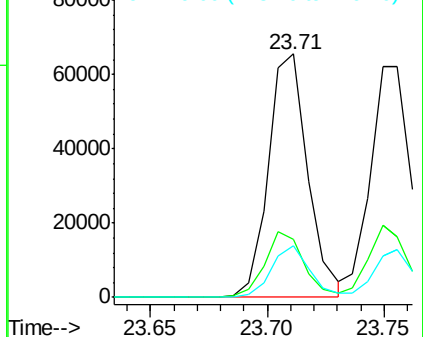
228 100

226 23.7 19.0 28.4

229 21.0 16.8 25.2



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: 0.79 ng

RT: 23.76 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

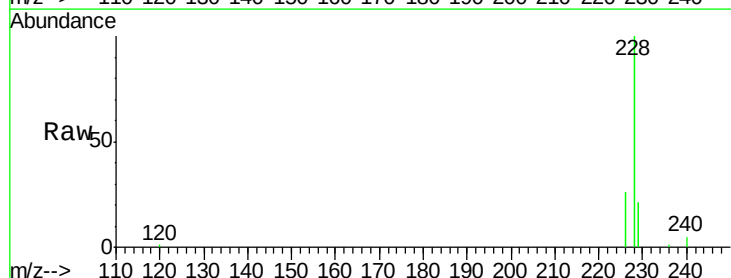
Tgt Ion:228 Resp: 81383

Ion Ratio Lower Upper

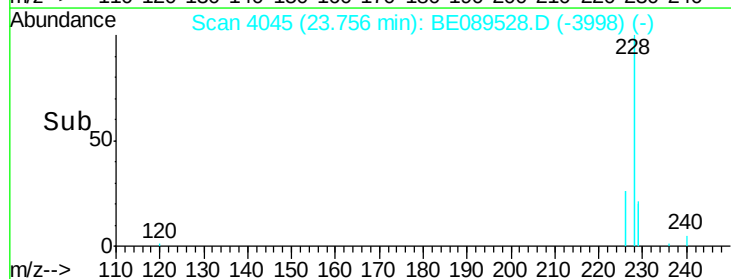
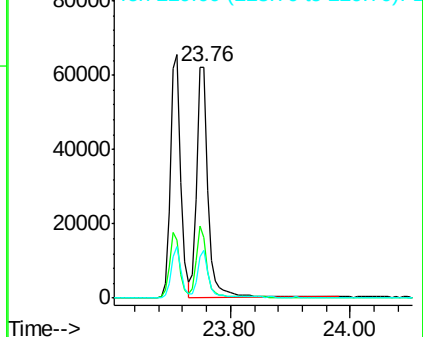
228 100

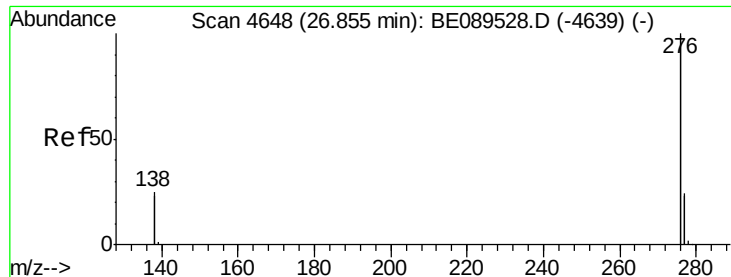
226 26.2 21.0 31.4

229 20.9 16.7 25.1



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: 1.06 ng

RT: 26.85 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

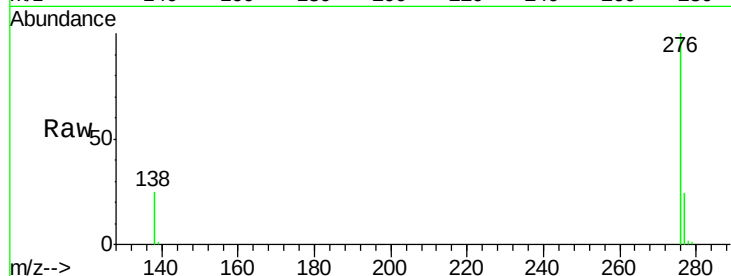
Tgt Ion:276 Resp: 120393

Ion Ratio Lower Upper

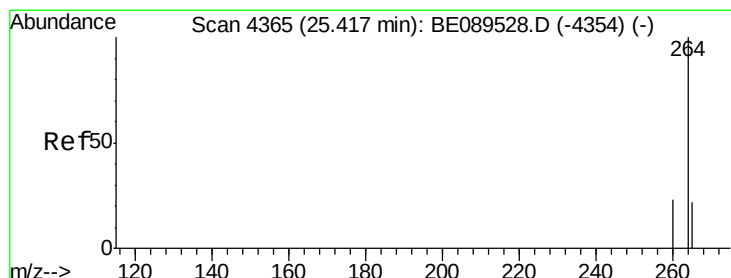
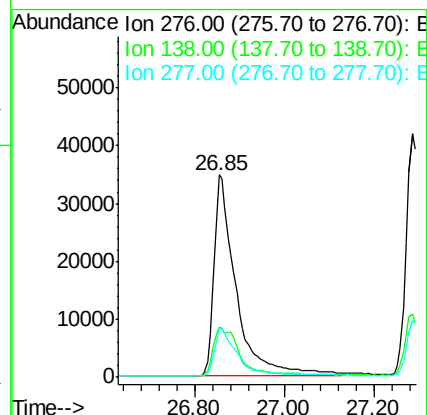
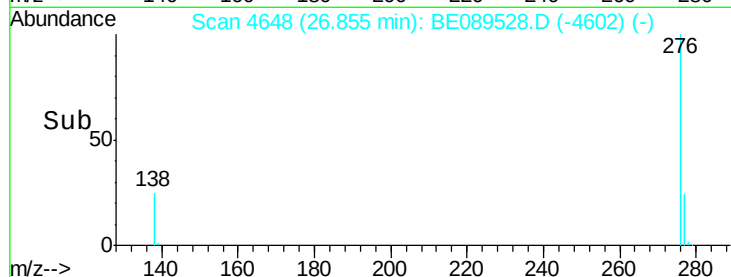
276 100

138 28.8 23.0 34.4

277 25.1 19.9 29.9



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: 25.42 min Scan# 4365

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

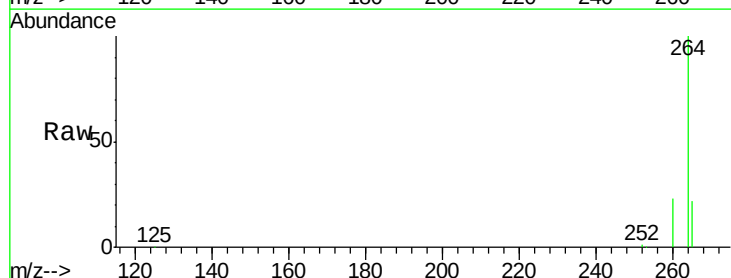
Tgt Ion:264 Resp: 107033

Ion Ratio Lower Upper

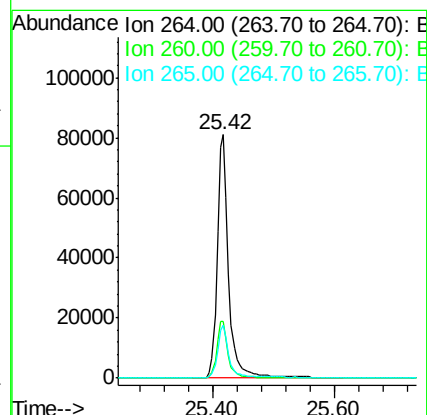
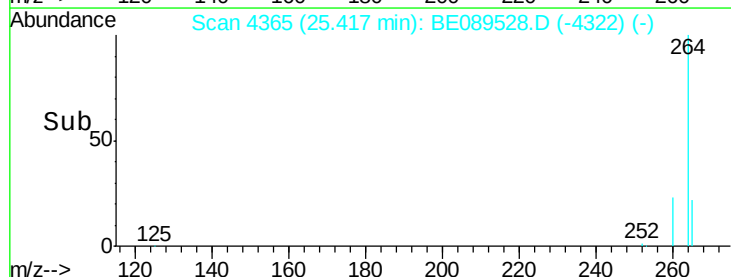
264 100

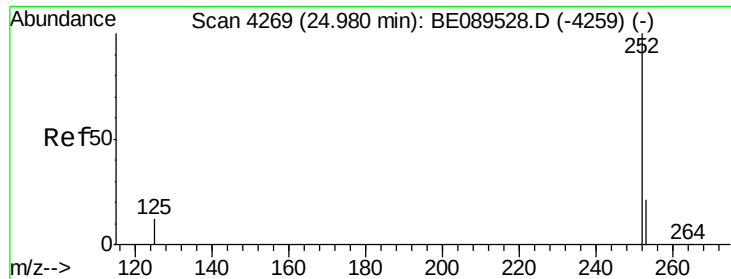
260 23.4 18.7 28.1

265 21.9 17.5 26.3



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

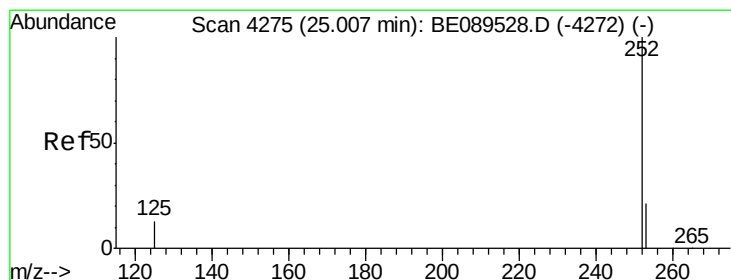
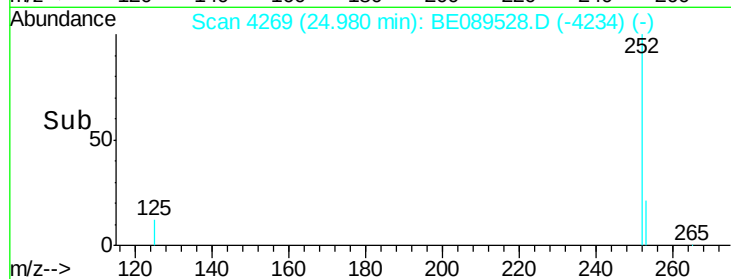
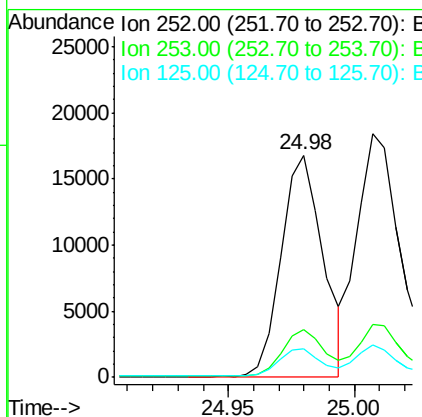
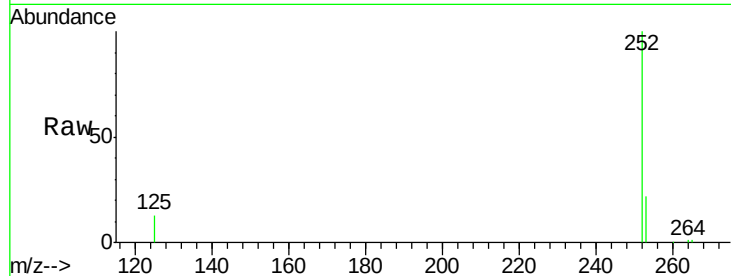




#23
Benzo(b)fluoranthene
Concen: 0.81 ng
RT: 24.98 min Scan# 4269
Delta R.T. 0.00 min
Lab File: BE089528.D
Acq: 6 Feb 2015 15:10

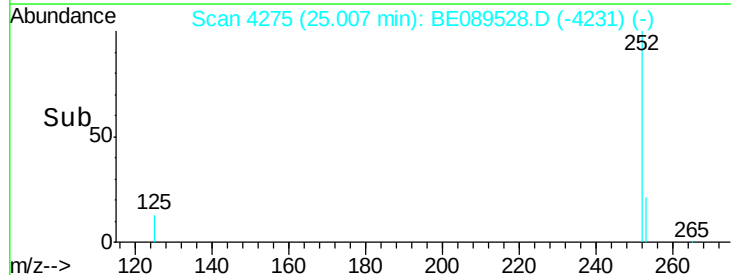
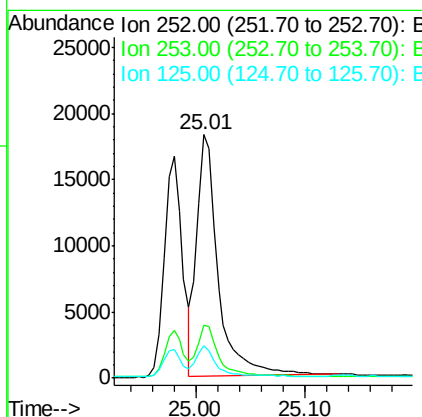
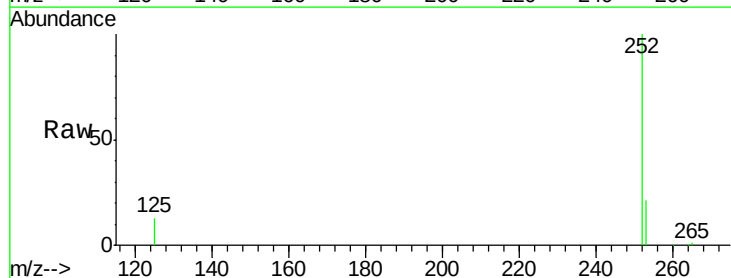
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

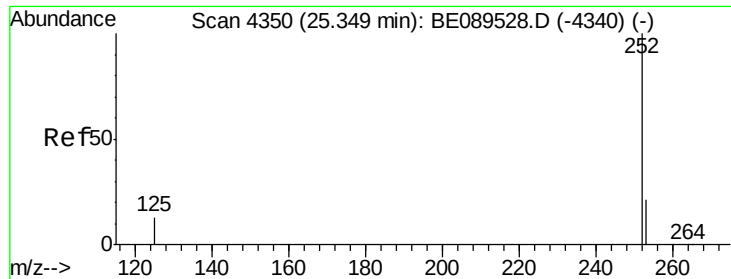
Tgt Ion:252 Resp: 19189
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 13.0 10.4 15.6



#24
Benzo(k)fluoranthene
Concen: 0.73 ng
RT: 25.01 min Scan# 4275
Delta R.T. 0.00 min
Lab File: BE089528.D
Acq: 6 Feb 2015 15:10

Tgt Ion:252 Resp: 24775
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 13.2 10.6 15.8





#25

Benzo(a)pyrene

Concen: 0.79 ng

RT: 25.35 min Scan# 4350

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

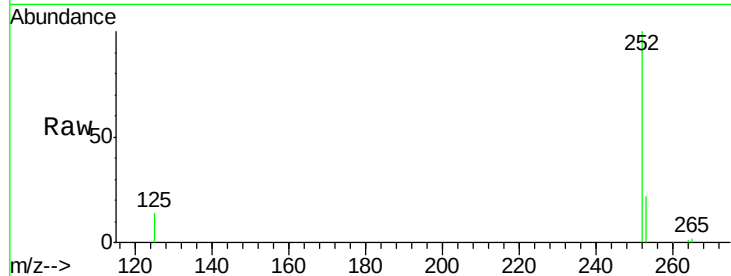
Tgt Ion: 252 Resp: 19608

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

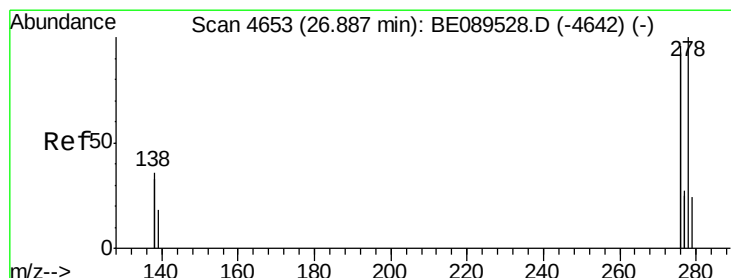
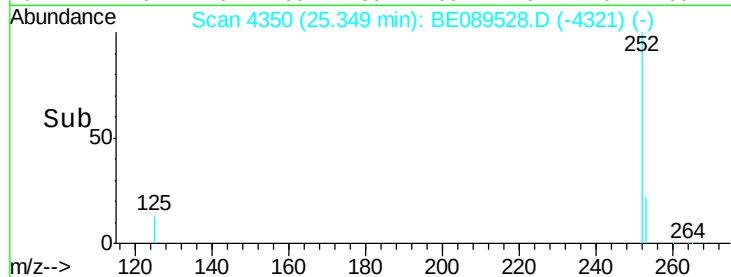
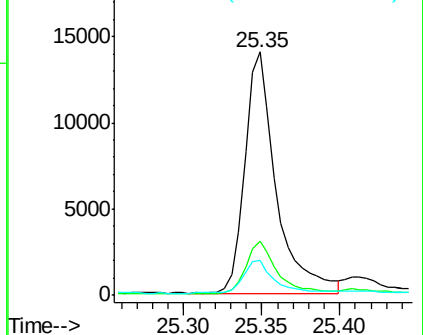
125 14.3 11.4 17.2



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: 0.94 ng

RT: 26.89 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BE089528.D

Acq: 6 Feb 2015 15:10

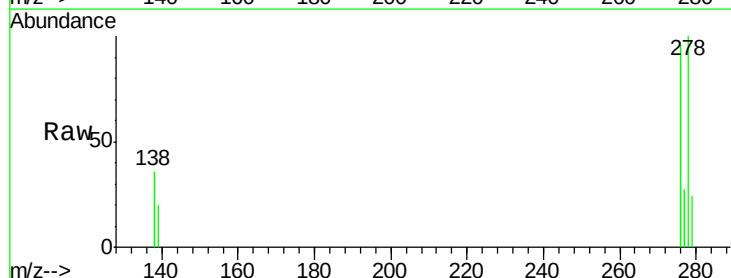
Tgt Ion: 278 Resp: 25873

Ion Ratio Lower Upper

278 100

139 19.6 15.7 23.5

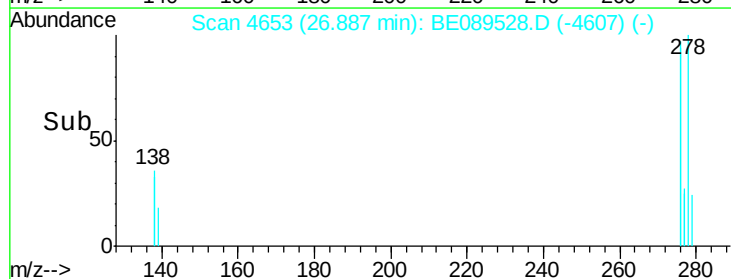
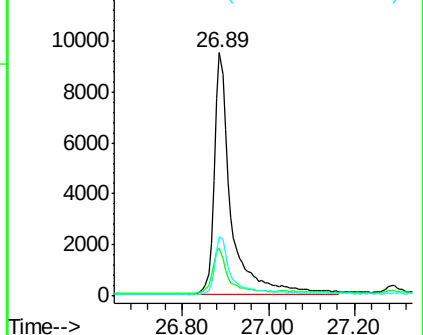
279 24.4 19.5 29.3

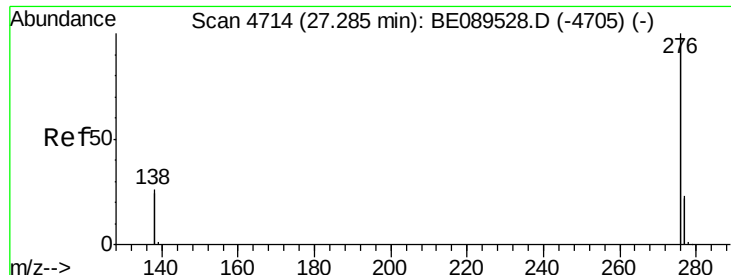


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.91 ng

RT: 27.28 min Scan# 4714

Delta R.T. 0.00 min

Lab File: BE089528.D

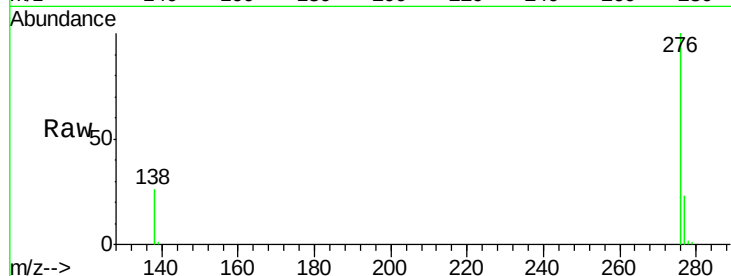
Acq: 6 Feb 2015 15:10

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



Tgt Ion: 276 Resp: 105350

Ion Ratio Lower Upper

276 100

277 23.2 18.6 27.8

138 26.1 20.9 31.3

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

