

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089525.D
 Acq On : 6 Feb 2015 13:10
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Quant Time: Feb 07 03:33:53 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

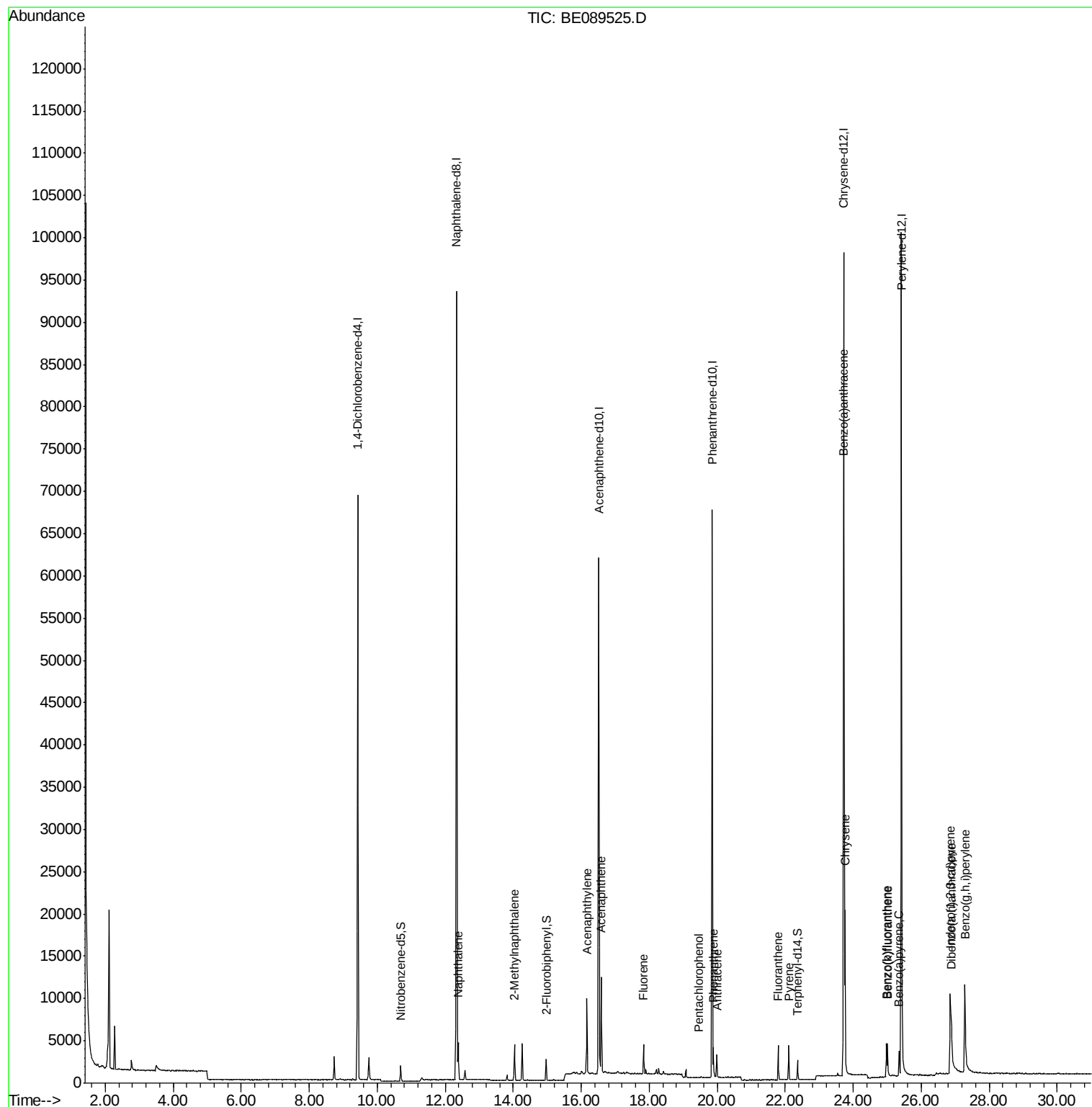
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.43	152	29957	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	111965	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	41411	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	66809	5.00	ng	0.00
16) Chrysene-d12	23.72	240	74227	5.00	ng	0.00
22) Perylene-d12	25.42	264	88784	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	1468	0.19	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	2365	0.18	ng	0.00
18) Terphenyl-d14	22.36	244	1964	0.15	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.38	128	5348	0.19	ng	98
5) 2-Methylnaphthalene	14.04	142	2897	0.17	ng	97
8) Acenaphthylene	16.16	152	13297	0.15	ng	99
9) Acenaphthene	16.59	154	2318	0.17	ng	91
10) Fluorene	17.84	166	2289	0.15	ng	99
12) Pentachlorophenol	19.44	266	20	0.04	ng	89
13) Phenanthrene	19.89	178	3465	0.17	ng	98
14) Anthracene	19.99	178	2551	0.14	ng	97
15) Fluoranthene	21.79	202	2870	0.15	ng	100
17) Pyrene	22.11	202	3015	0.13	ng	98
19) Benzo(a)anthracene	23.71	228	13740	0.17	ng	98
20) Chrysene	23.76	228	14100	0.17	ng	98
21) Indeno(1,2,3-cd)pyrene	26.86	276	20906	0.22	ng	95
23) Benzo(b)fluoranthene	24.98	252	3315	0.17	ng	# 93
24) Benzo(k)fluoranthene	25.01	252	4082	0.14	ng	96
25) Benzo(a)pyrene	25.35	252	3264	0.16	ng	# 89
26) Dibenzo(a,h)anthracene	26.89	278	4260	0.19	ng	# 88
27) Benzo(g,h,i)perylene	27.29	276	18393	0.19	ng	96

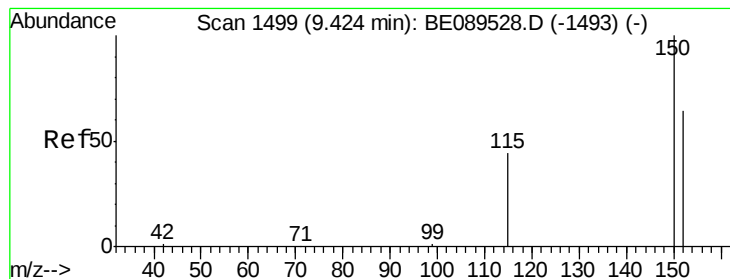
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.43 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

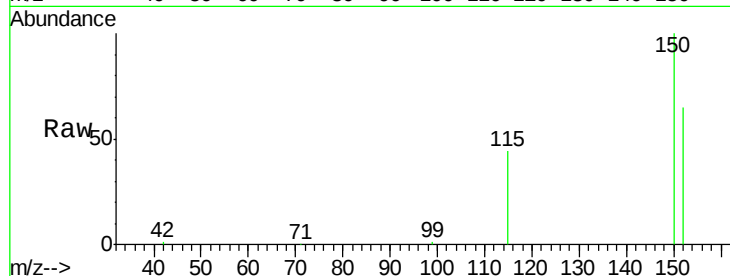
Tgt Ion:152 Resp: 29957

Ion Ratio Lower Upper

152 100

150 154.8 125.7 188.5

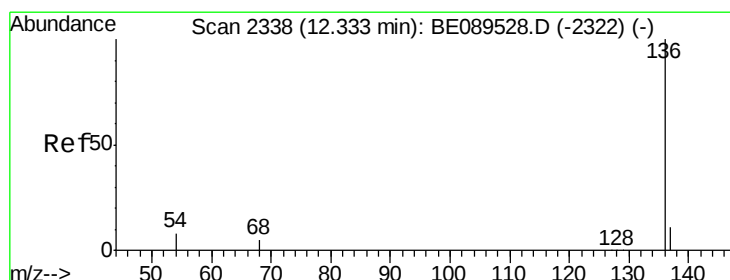
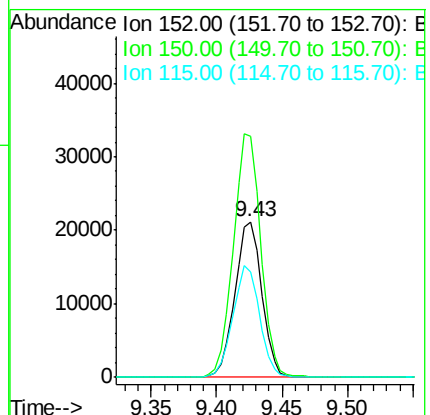
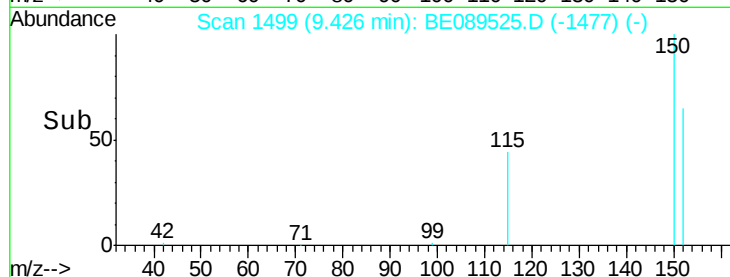
115 67.5 55.6 83.4



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: BE089525.D

Acq: 6 Feb 2015 13:10

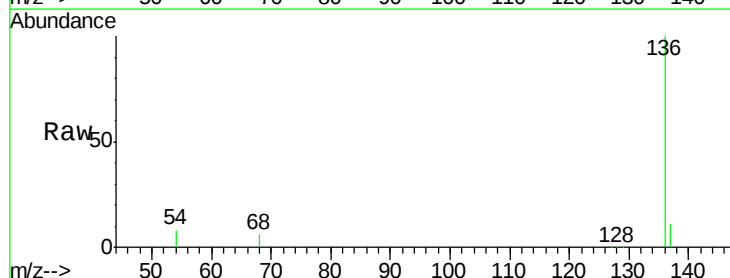
Tgt Ion:136 Resp: 111965

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

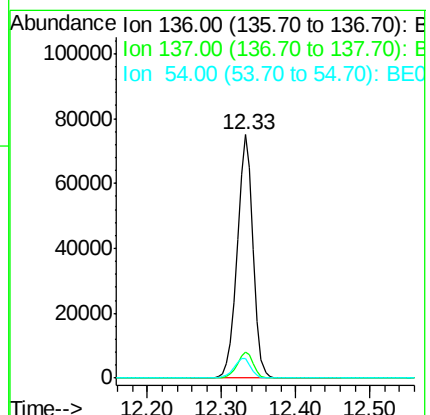
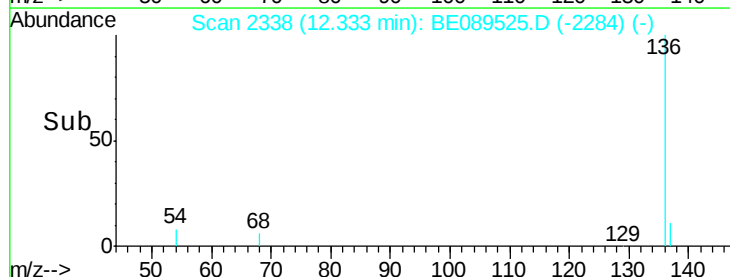
54 7.8 6.1 9.1



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: 0.19 ng

RT: 10.69 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

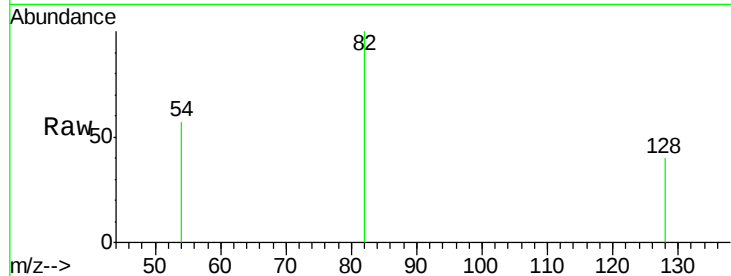
Tgt Ion: 82 Resp: 1468

Ion Ratio Lower Upper

82 100

128 40.0 30.2 45.4

54 56.9 40.6 60.8

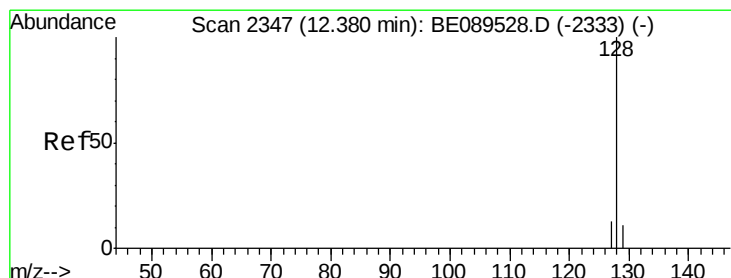
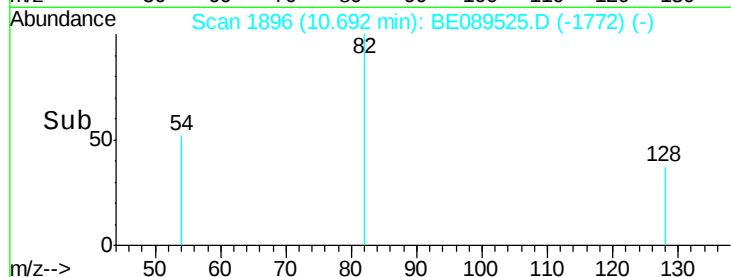


Abundance Ion 82.00 (81.70 to 82.70): BE089525.D (-1876) (-)

Ion 128.00 (127.70 to 128.70): BE089525.D (-1876) (-)

Ion 54.00 (53.70 to 54.70): BE089525.D (-1876) (-)

Time-->



#4

Naphthalene

Concen: 0.19 ng

RT: 12.38 min Scan# 2347

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

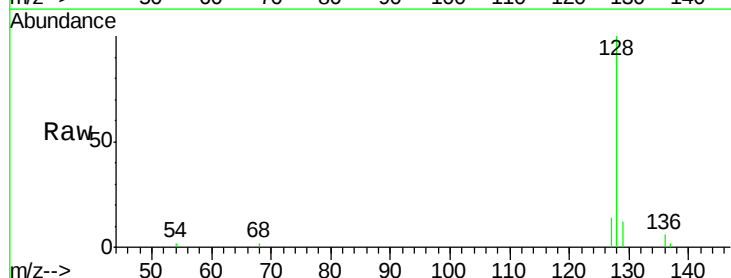
Tgt Ion: 128 Resp: 5348

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

127 13.7 10.5 15.7

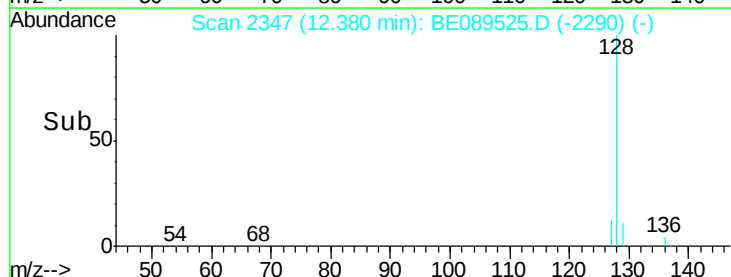


Abundance Ion 128.00 (127.70 to 128.70): BE089525.D (-2333) (-)

Ion 129.00 (128.70 to 129.70): BE089525.D (-2333) (-)

Ion 127.00 (126.70 to 127.70): BE089525.D (-2333) (-)

Time-->





#5

2-Methylnaphthalene

Concen: 0.17 ng

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

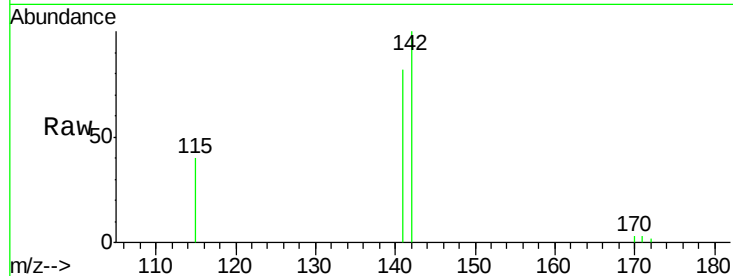
Tgt Ion:142 Resp: 2897

Ion Ratio Lower Upper

142 100

141 81.6 67.0 100.6

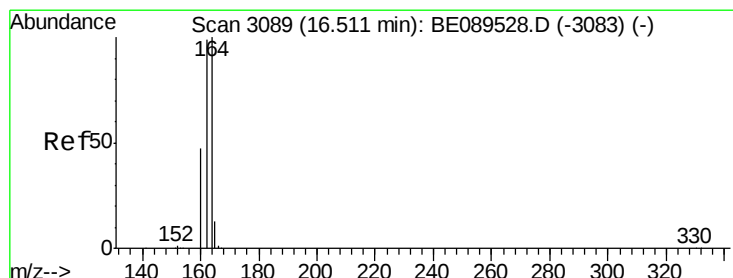
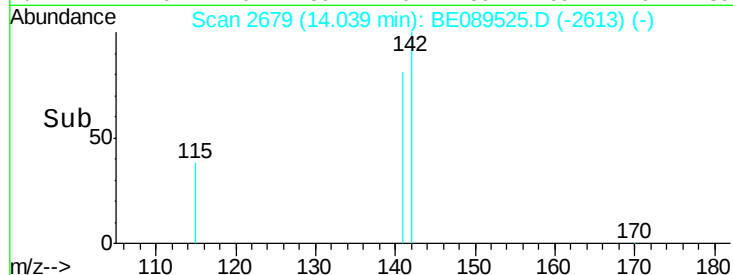
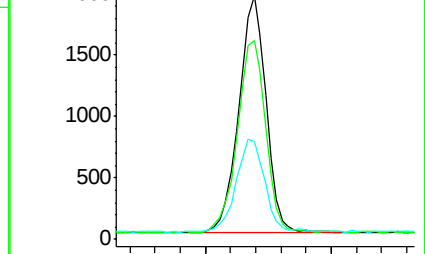
115 40.1 30.6 45.8



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: BE089525.D

Acq: 6 Feb 2015 13:10

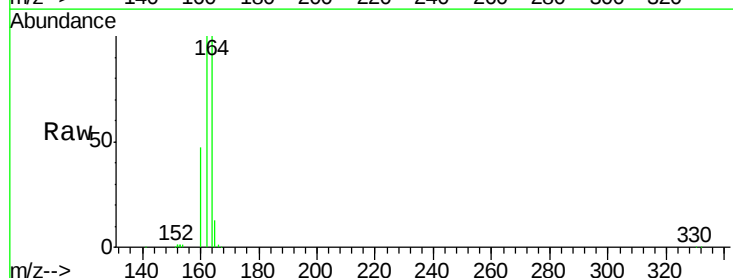
Tgt Ion:164 Resp: 41411

Ion Ratio Lower Upper

164 100

162 99.6 79.5 119.3

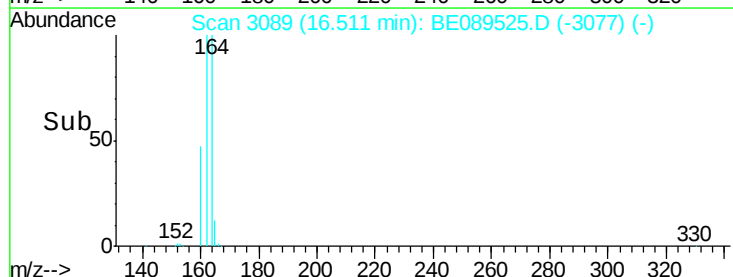
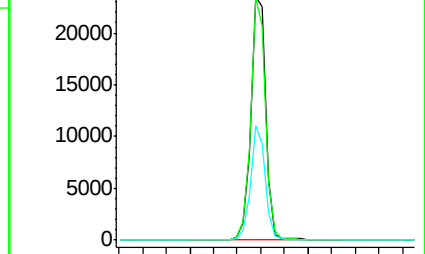
160 47.0 37.6 56.4



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: 0.18 ng

RT: 14.97 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

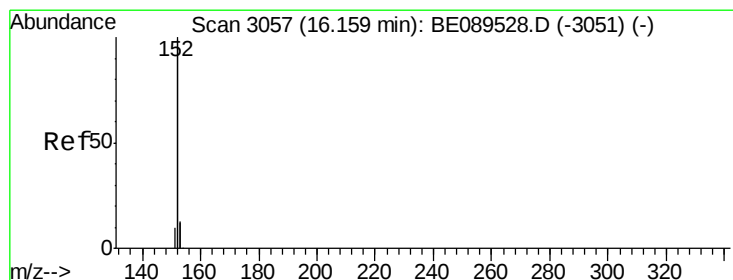
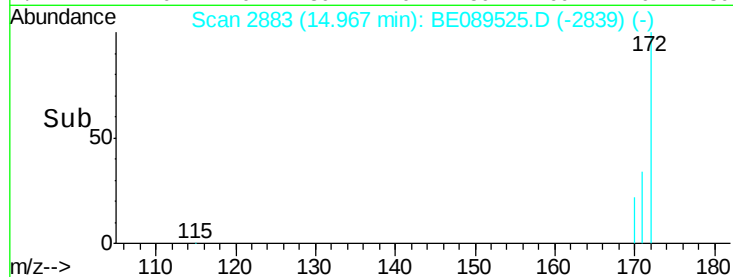
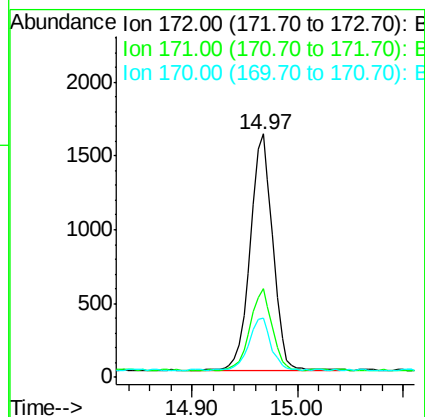
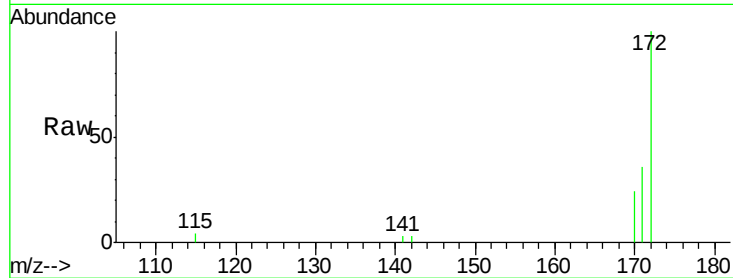
Tgt Ion:172 Resp: 2365

Ion Ratio Lower Upper

172 100

171 36.2 27.7 41.5

170 24.1 18.3 27.5



#8

Acenaphthylene

Concen: 0.15 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

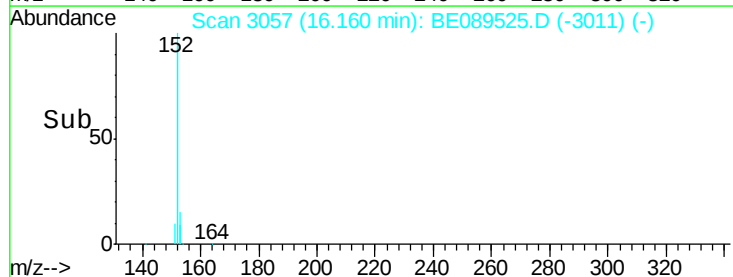
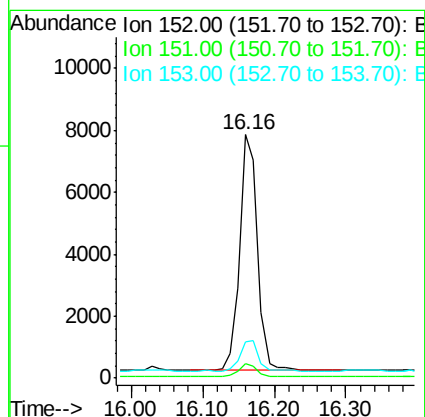
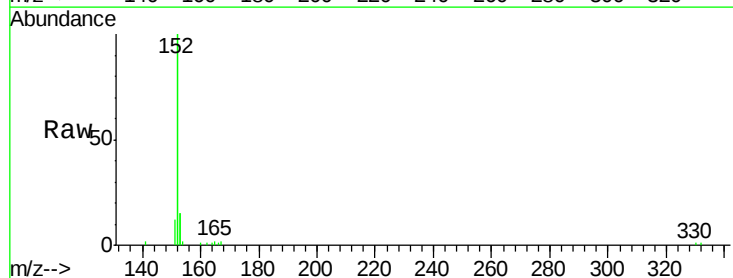
Tgt Ion:152 Resp: 13297

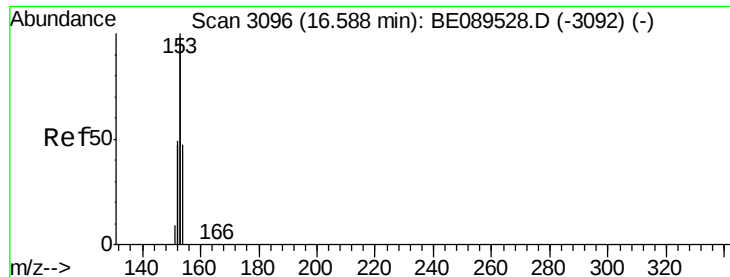
Ion Ratio Lower Upper

152 100

151 5.2 4.0 6.0

153 13.5 10.6 15.8





#9

Acenaphthene

Concen: 0.17 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

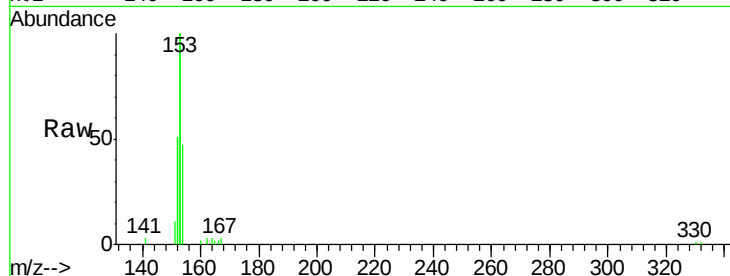
Tgt Ion:154 Resp: 2318

Ion Ratio Lower Upper

154 100

153 441.5 340.8 511.2

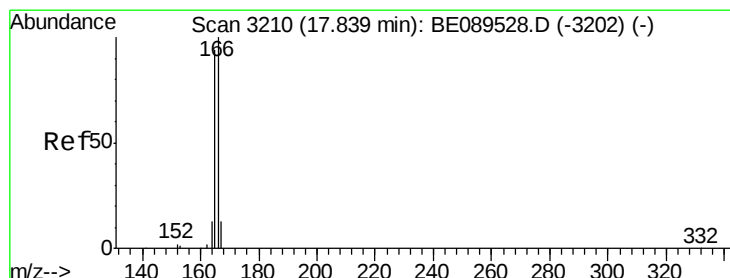
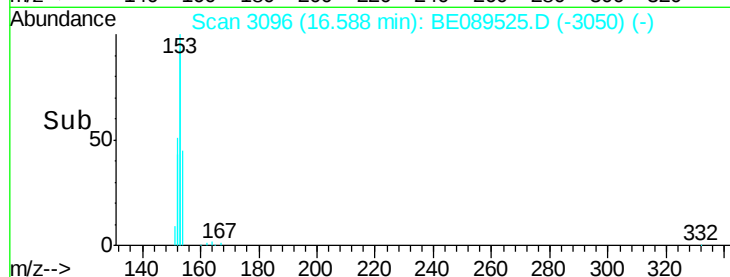
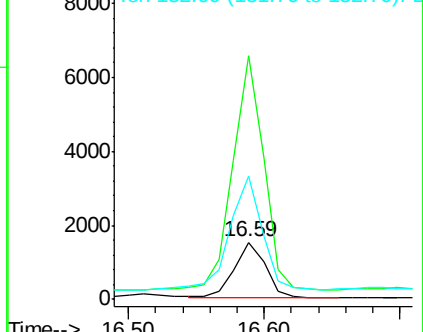
152 229.2 165.5 248.3



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: 0.15 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

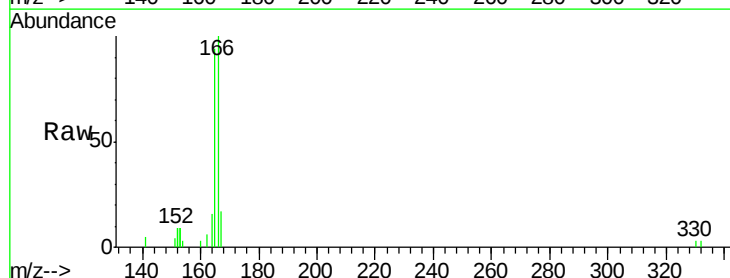
Tgt Ion:166 Resp: 2289

Ion Ratio Lower Upper

166 100

165 93.9 75.5 113.3

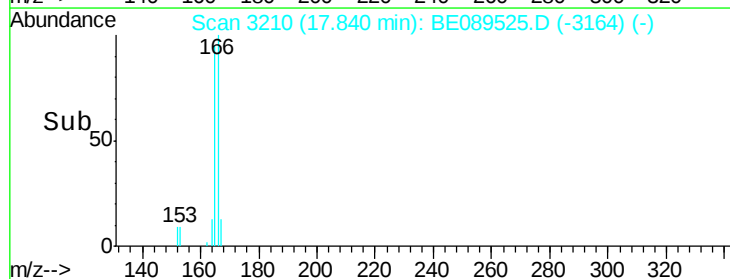
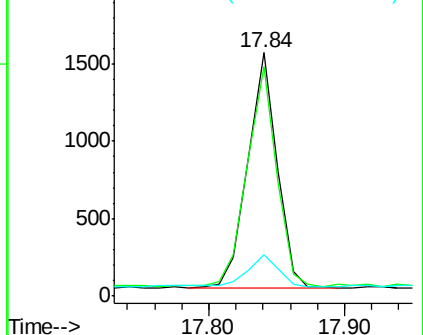
167 16.2 10.9 16.3

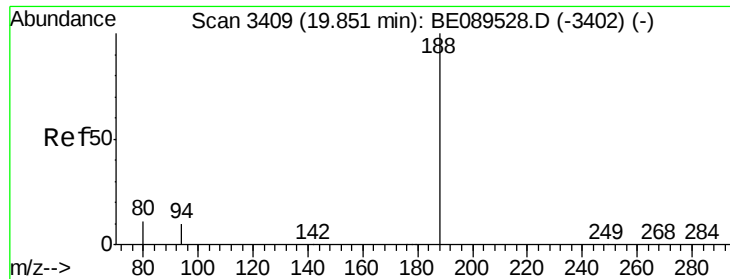


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

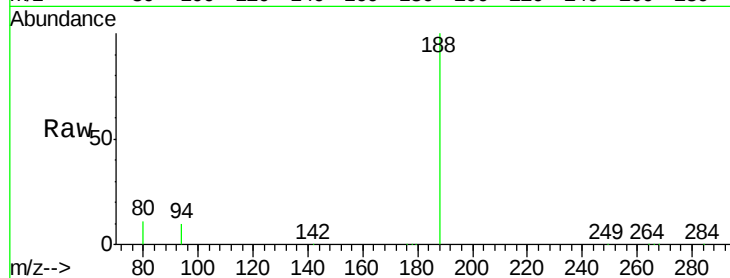




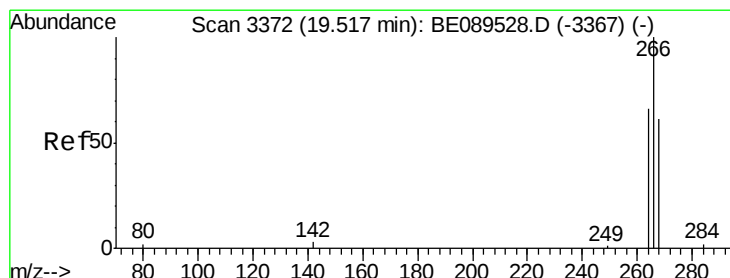
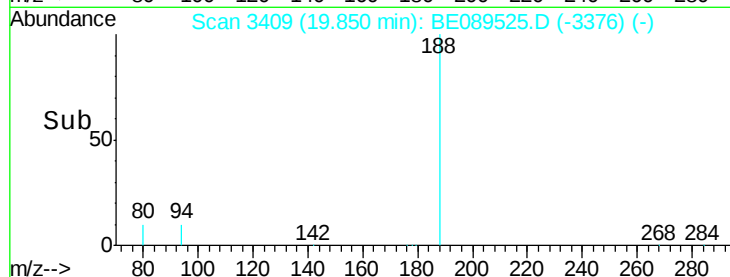
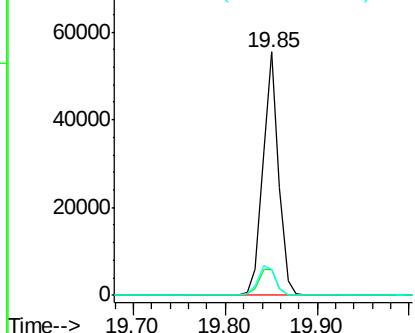
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Instrument :
BNA_E
LabSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 66809
Ion Ratio Lower Upper
188 100
94 10.5 8.4 12.6
80 10.6 8.6 12.8

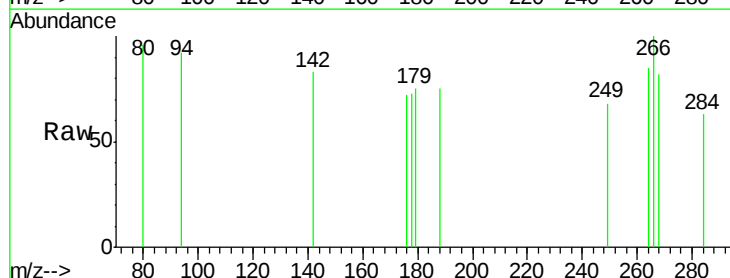


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

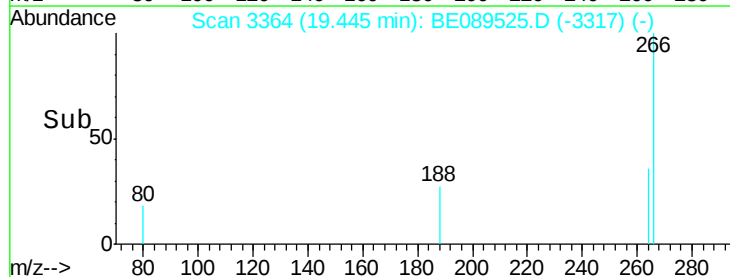
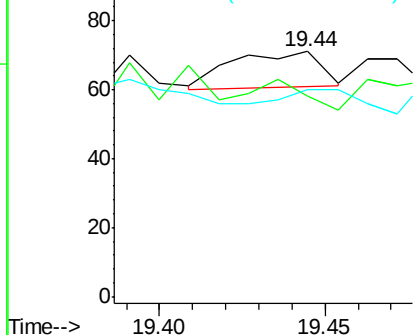


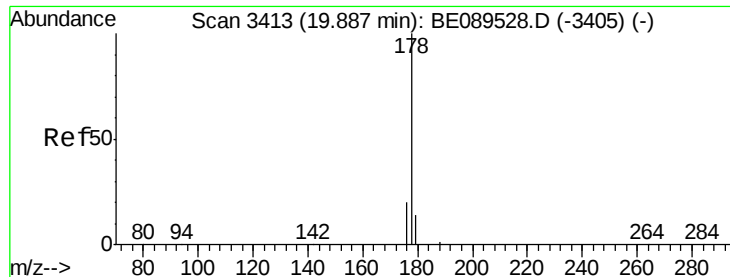
#12
Pentachlorophenol
Concen: 0.04 ng
RT: 19.44 min Scan# 3364
Delta R.T. -0.07 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
268 81.7 57.9 86.9
264 84.5 60.2 90.4



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

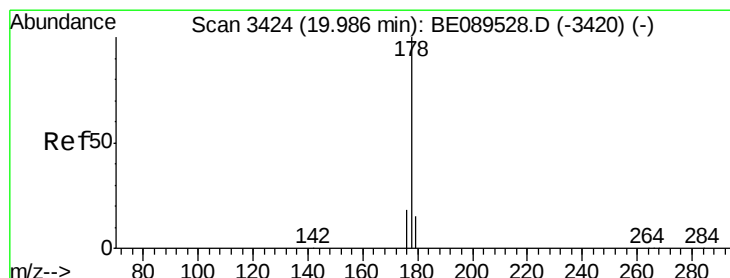
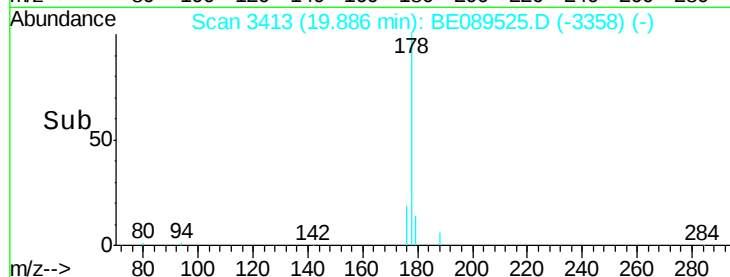
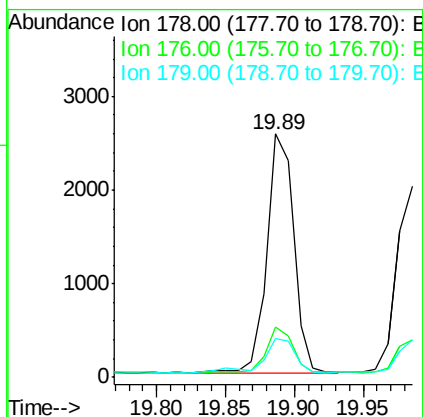
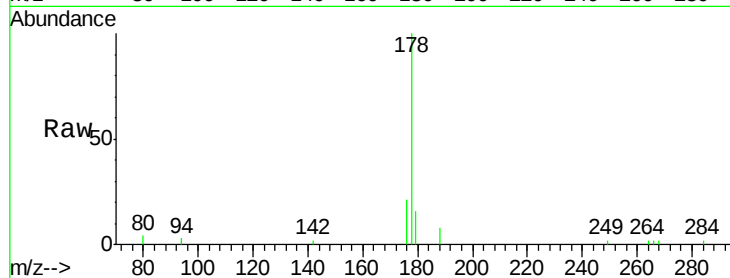




#13
Phenanthrene
Concen: 0.17 ng
RT: 19.89 min Scan# 3413
Delta R.T. -0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

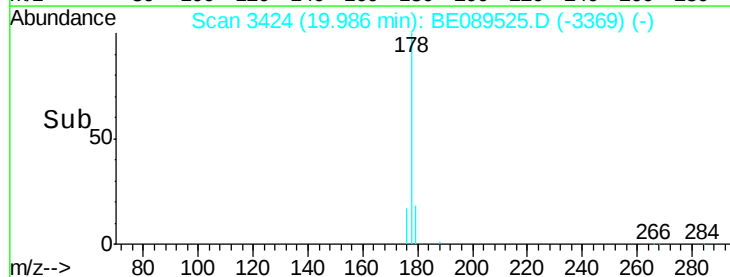
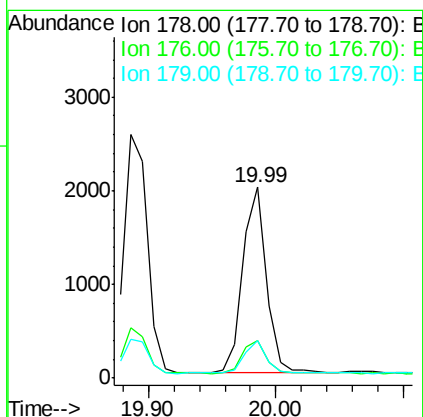
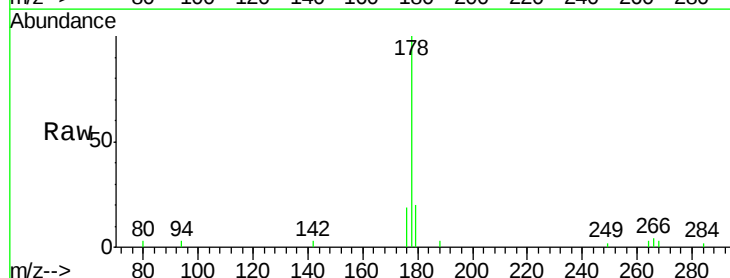
Instrument :
BNA_E
LabSampleId :
SSTDIC0.2

Tgt Ion:178 Resp: 3465
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 16.8 12.2 18.2



#14
Anthracene
Concen: 0.14 ng
RT: 19.99 min Scan# 3424
Delta R.T. -0.00 min
Lab File: BE089525.D
Acq: 6 Feb 2015 13:10

Tgt Ion:178 Resp: 2551
Ion Ratio Lower Upper
178 100
176 17.6 14.5 21.7
179 17.5 12.2 18.2

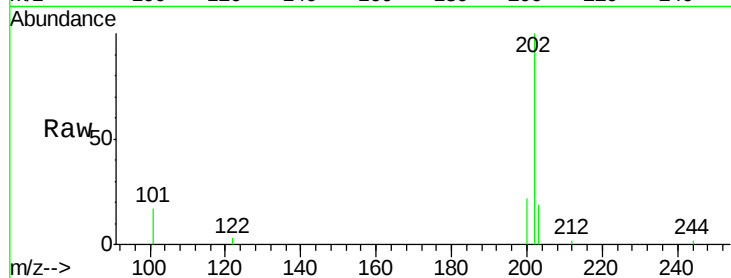




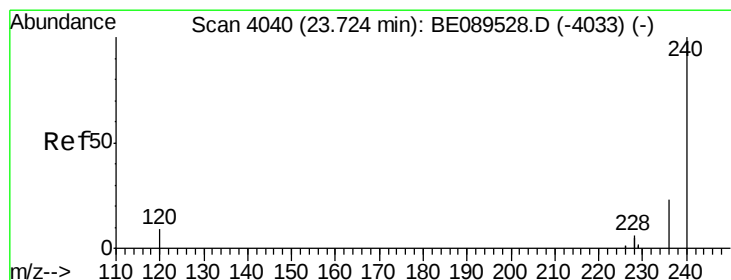
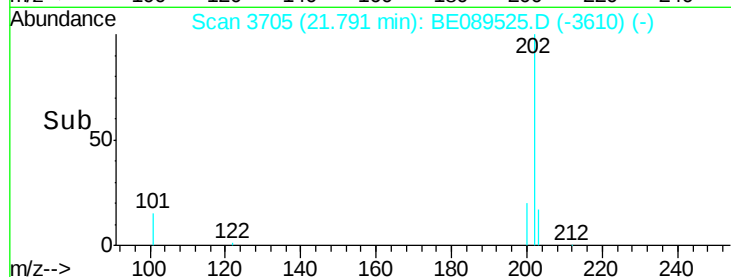
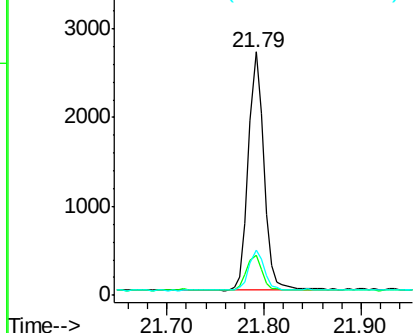
#15
 Fluoranthene
 Concen: 0.15 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 202 Resp: 2870
 Ion Ratio Lower Upper
 202 100
 101 14.8 11.6 17.4
 203 16.9 13.6 20.4

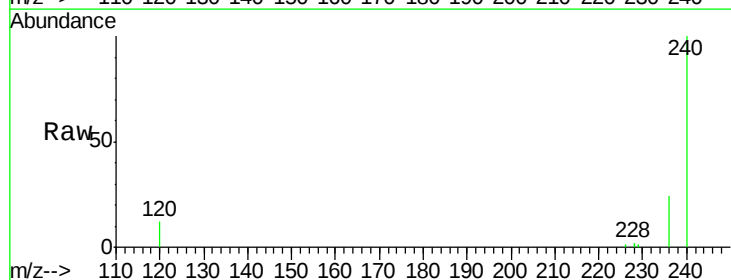


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

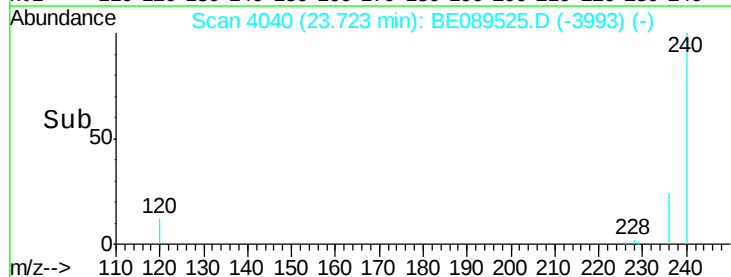
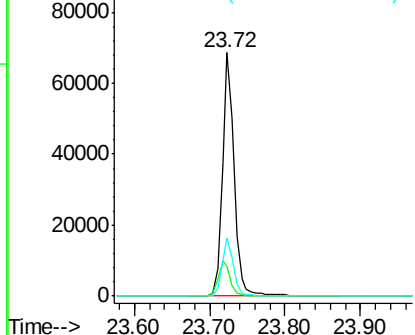


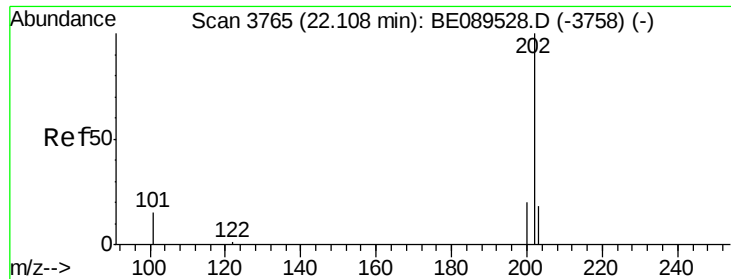
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4040
 Delta R.T. -0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Tgt Ion: 240 Resp: 74227
 Ion Ratio Lower Upper
 240 100
 120 12.3 7.2 10.8#
 236 23.8 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

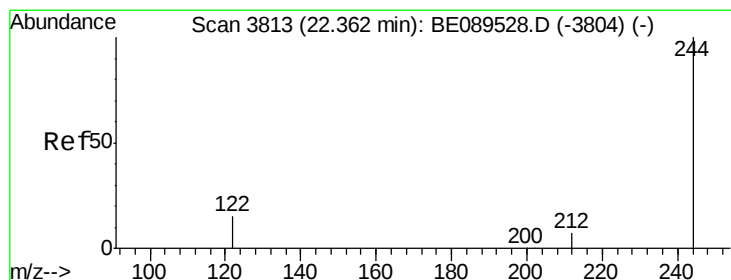
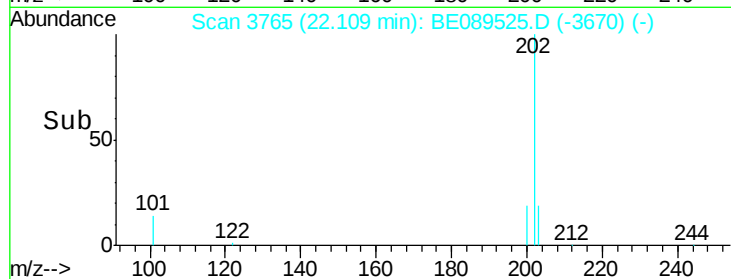
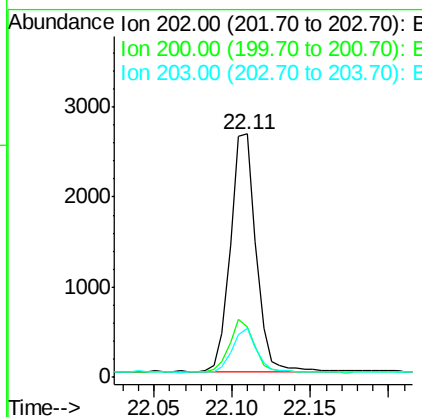
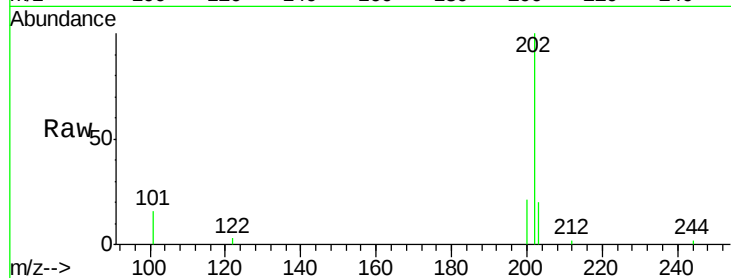




#17
 Pyrene
 Concen: 0.13 ng
 RT: 22.11 min Scan# 3765
 Delta R.T. 0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

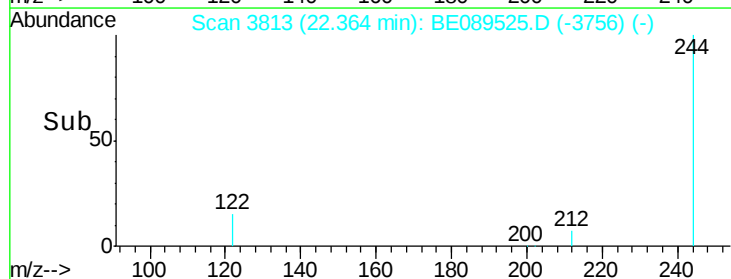
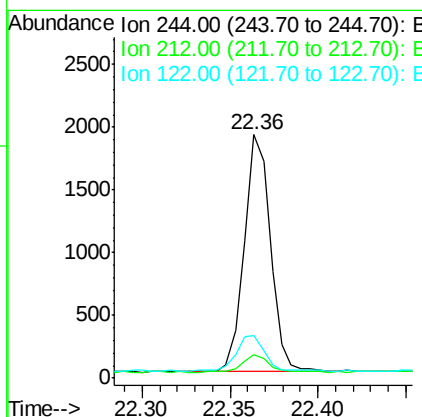
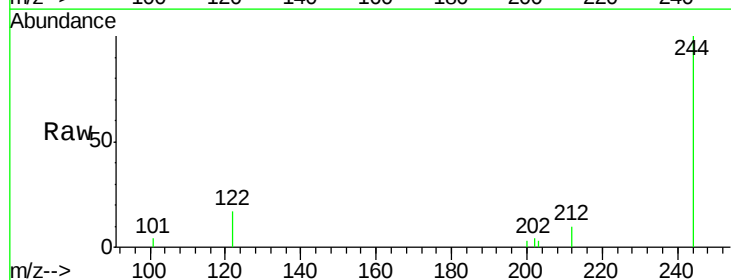
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.2

Tgt Ion: 202 Resp: 3015
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.3 24.5
 203 18.4 13.5 20.3



#18
 Terphenyl-d14
 Concen: 0.15 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089525.D
 Acq: 6 Feb 2015 13:10

Tgt Ion: 244 Resp: 1964
 Ion Ratio Lower Upper
 244 100
 212 9.5 5.8 8.8#
 122 17.5 12.6 19.0





#19

Benzo(a)anthracene

Concen: 0.17 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDICC0.2

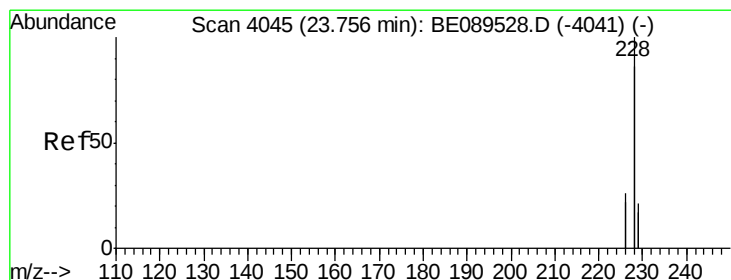
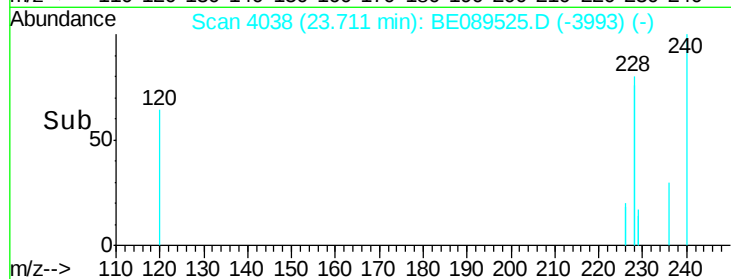
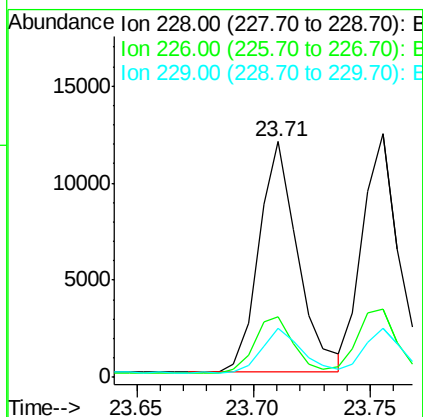
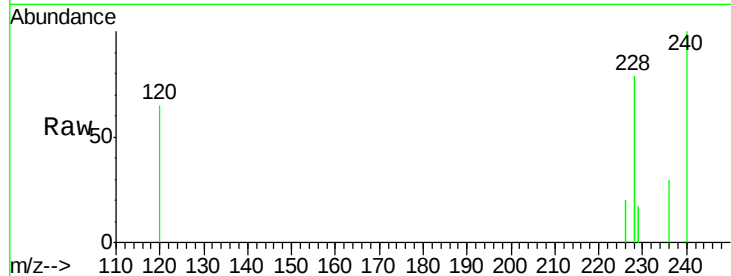
Tgt Ion:228 Resp: 13740

Ion Ratio Lower Upper

228 100

226 25.5 19.0 28.4

229 21.1 16.8 25.2



#20

Chrysene

Concen: 0.17 ng

RT: 23.76 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

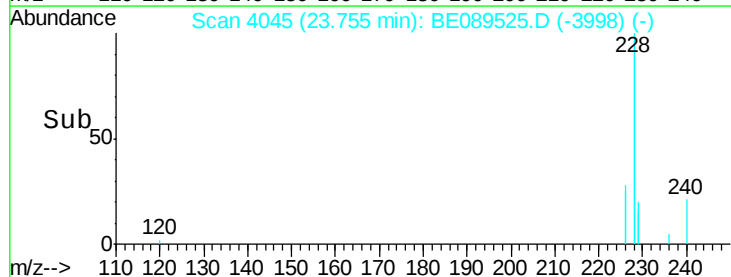
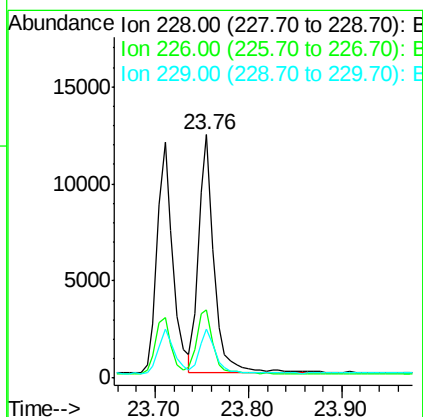
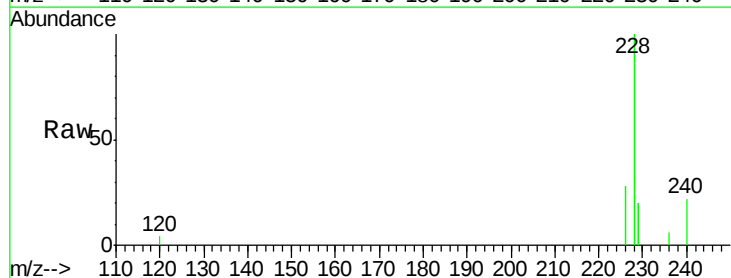
Tgt Ion:228 Resp: 14100

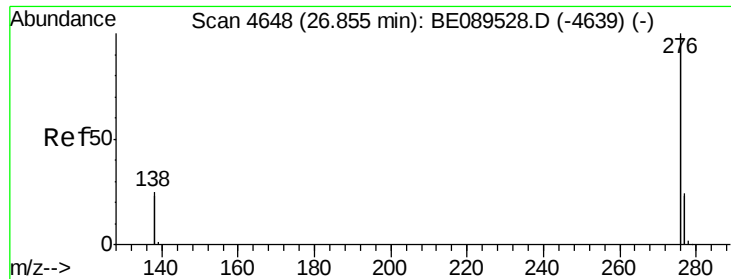
Ion Ratio Lower Upper

228 100

226 27.9 21.0 31.4

229 20.3 16.7 25.1





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.22 ng

RT: 26.86 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

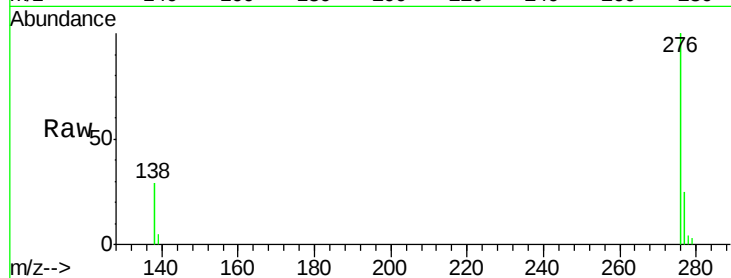
Tgt Ion: 276 Resp: 20906

Ion Ratio Lower Upper

276 100

138 26.1 23.0 34.4

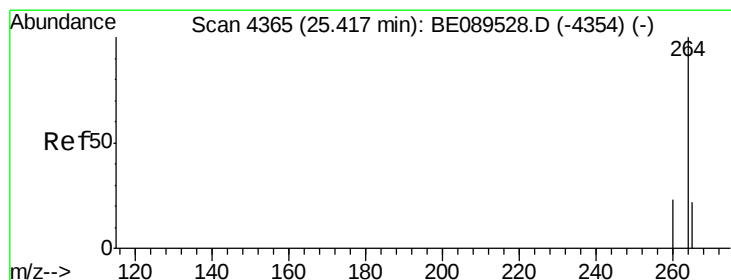
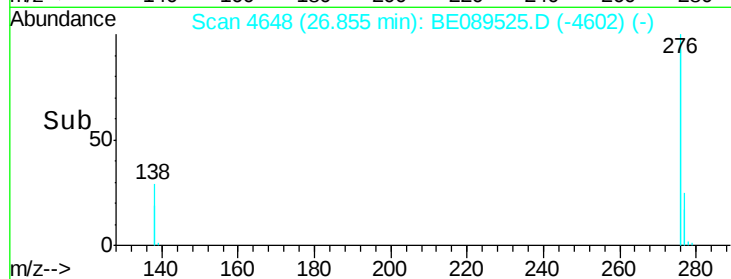
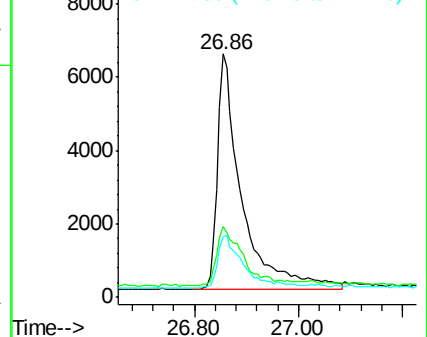
277 22.6 19.9 29.9



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# 4366

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

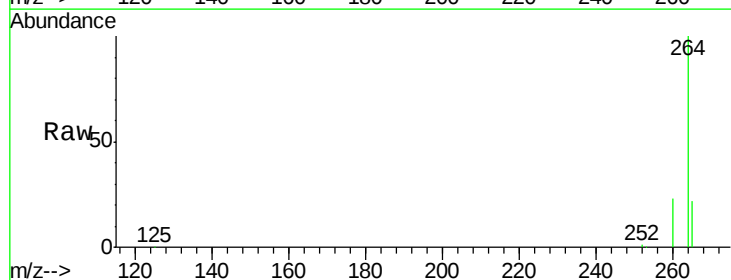
Tgt Ion: 264 Resp: 88784

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

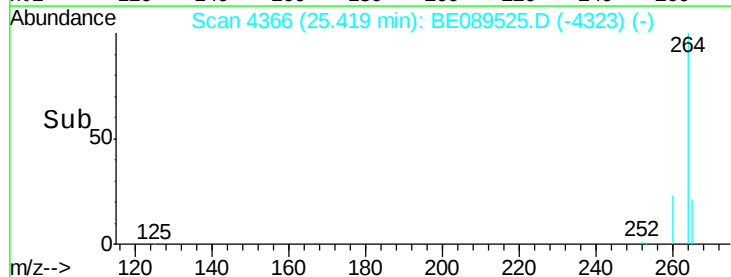
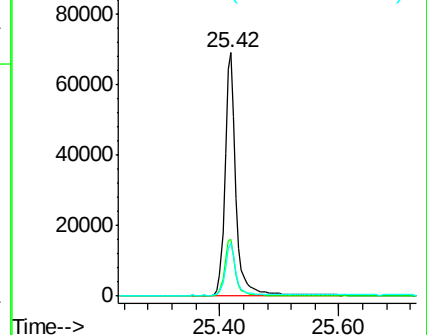
265 21.6 17.5 26.3



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: 0.17 ng

RT: 24.98 min Scan# 4270

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

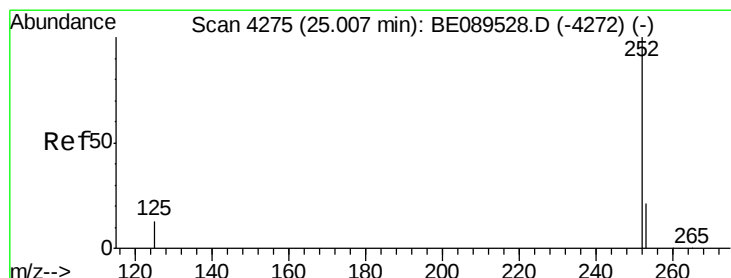
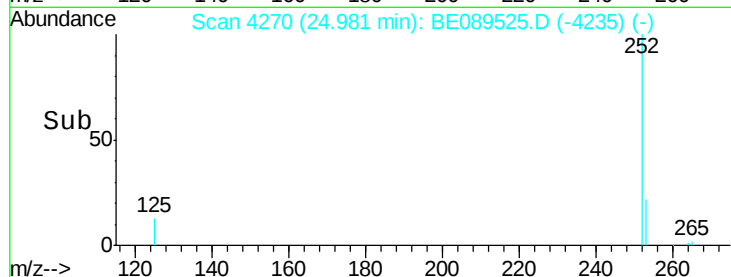
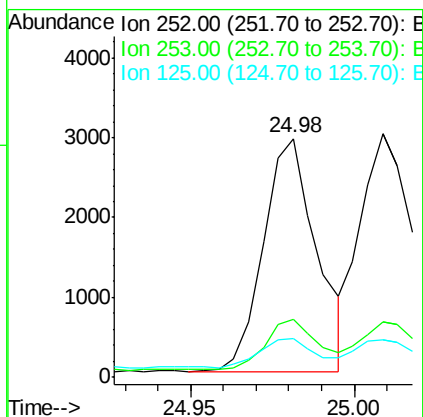
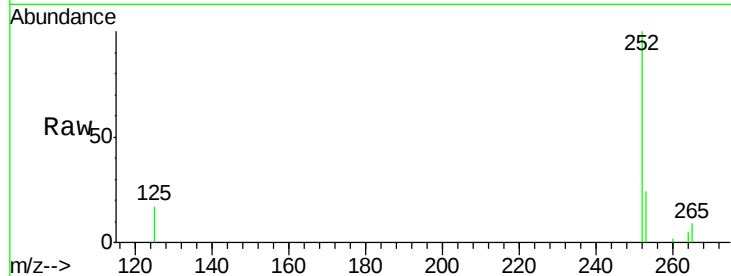
Tgt Ion:252 Resp: 3315

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 16.5 10.4 15.6#



#24

Benzo(k)fluoranthene

Concen: 0.14 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

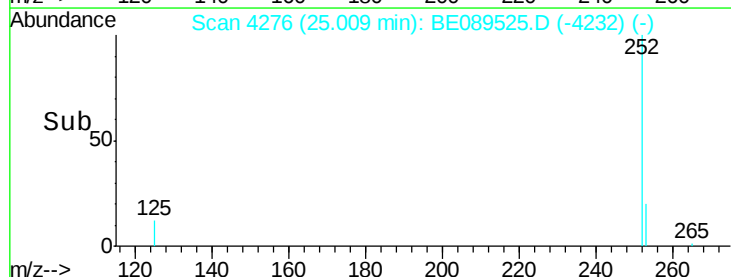
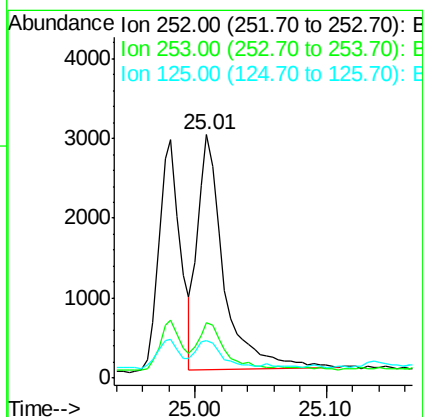
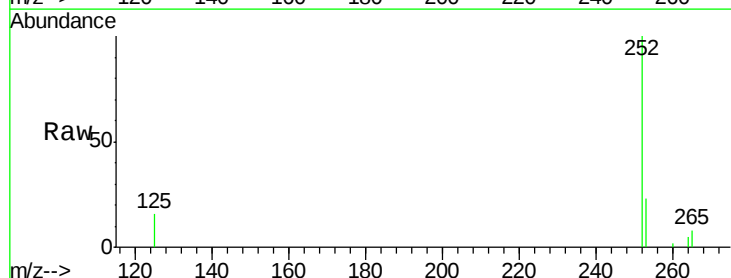
Tgt Ion:252 Resp: 4082

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 15.6 10.6 15.8





#25

Benzo(a)pyrene

Concen: 0.16 ng

RT: 25.35 min Scan# 4351

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2

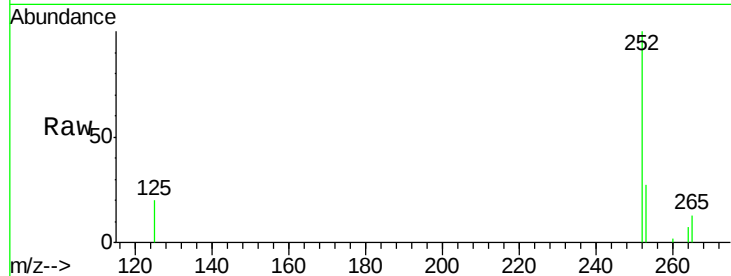
Tgt Ion:252 Resp: 3264

Ion Ratio Lower Upper

252 100

253 26.6 17.8 26.6

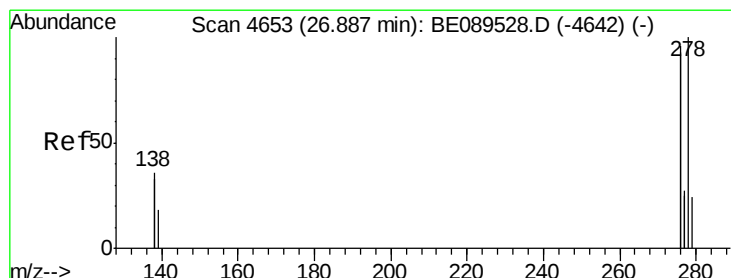
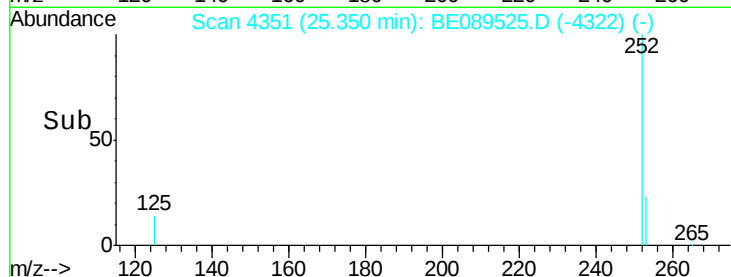
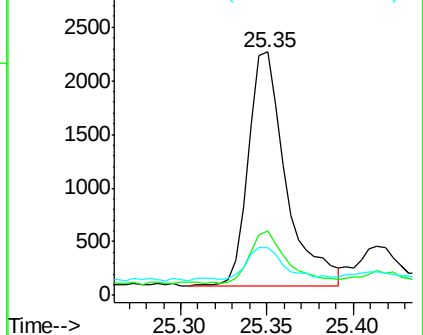
125 19.5 11.4 17.2#



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: 0.19 ng

RT: 26.89 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BE089525.D

Acq: 6 Feb 2015 13:10

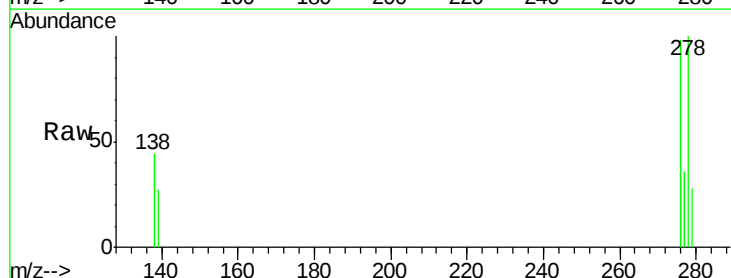
Tgt Ion:278 Resp: 4260

Ion Ratio Lower Upper

278 100

139 27.5 15.7 23.5#

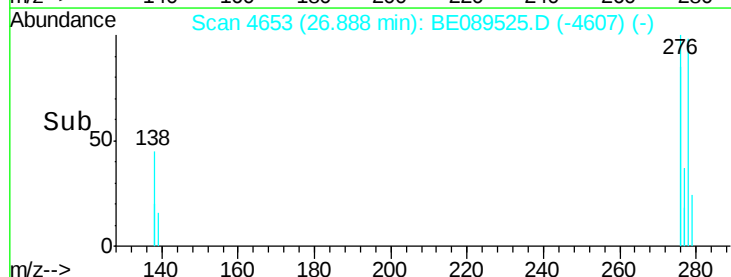
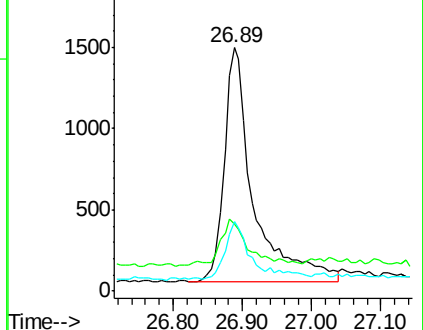
279 28.4 19.5 29.3



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: 0.19 ng

RT: 27.29 min Scan# 4714

Delta R.T. 0.00 min

Lab File: BE089525.D

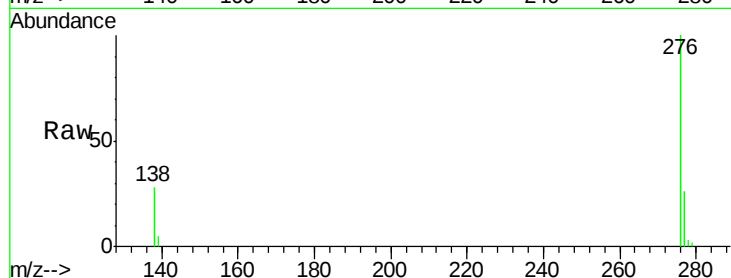
Acq: 6 Feb 2015 13:10

Instrument :

BNA_E

LabSampleId :

SSTDIC0.2



Tgt Ion: 276 Resp: 18393

Ion Ratio Lower Upper

276 100

277 26.2 18.6 27.8

138 27.6 20.9 31.3

