

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089524.D
 Acq On : 6 Feb 2015 12:32
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Quant Time: Feb 07 03:33:32 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	32311	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	122716	5.00	ng	0.00
6) Acenaphthene-d10	16.52	164	47715	5.00	ng	0.01
11) Phenanthrene-d10	19.85	188	81375	5.00	ng	0.00
16) Chrysene-d12	23.72	240	90618	5.00	ng	0.00
22) Perylene-d12	25.42	264	104587	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.69	82	790	0.09	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	1342	0.09	ng	0.00
18) Terphenyl-d14	22.36	244	1199	0.07	ng	0.00

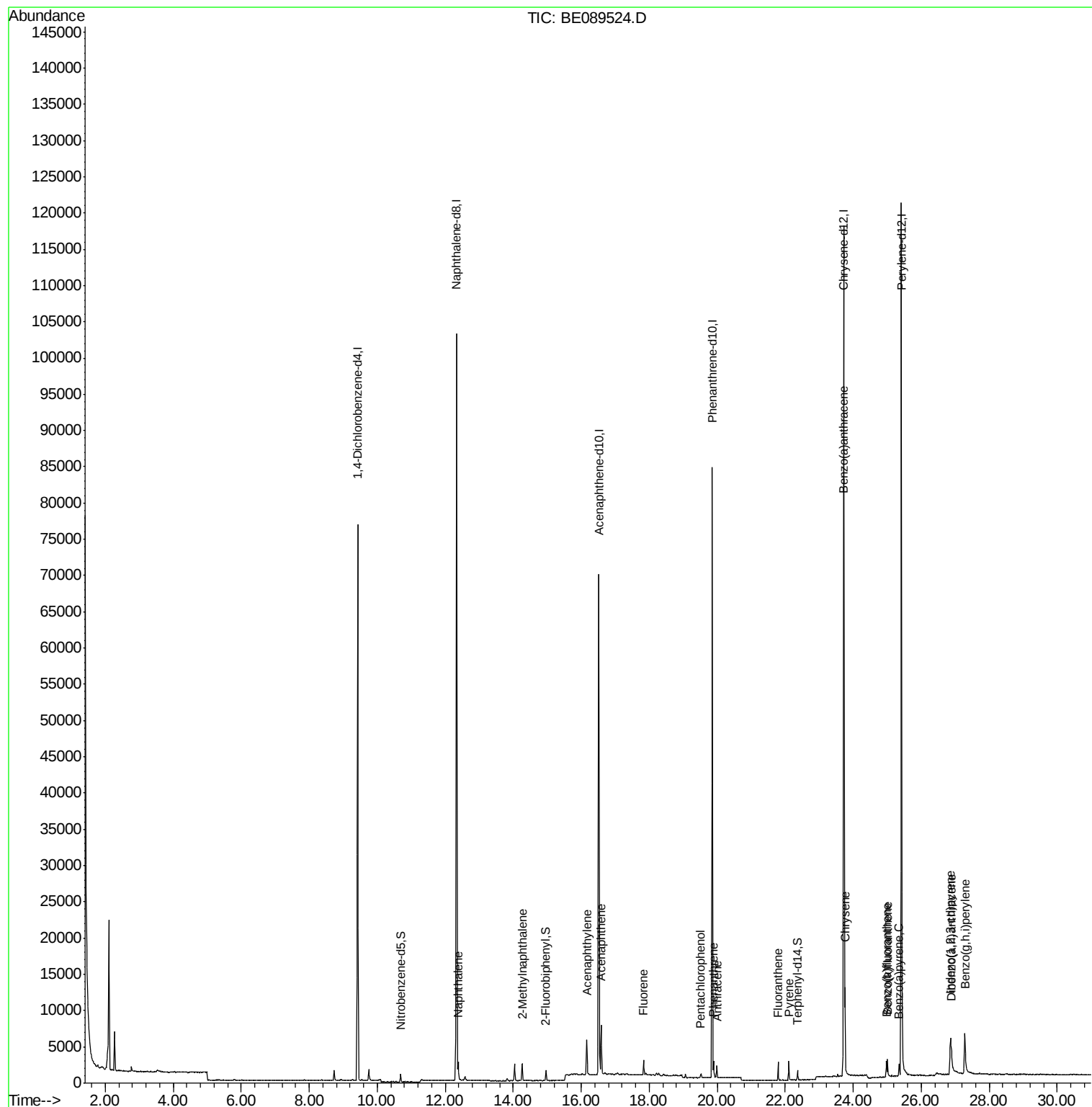
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.38	128	2848	0.09	ng	# 94
5) 2-Methylnaphthalene	14.27	142	1712	0.09	ng	98
8) Acenaphthylene	16.17	152	7424	0.07	ng	# 94
9) Acenaphthene	16.59	154	1318	0.09	ng	82
10) Fluorene	17.84	166	1351	0.08	ng	# 96
12) Pentachlorophenol	19.52	266	661	1.08	ng	96
13) Phenanthrene	19.90	178	2143	0.09	ng	96
14) Anthracene	19.99	178	1538	0.07	ng	97
15) Fluoranthene	21.79	202	1807	0.08	ng	96
17) Pyrene	22.11	202	1898	0.07	ng	96
19) Benzo(a)anthracene	23.71	228	8598	0.09	ng	96
20) Chrysene	23.75	228	8328	0.08	ng	95
21) Indeno(1,2,3-cd)pyrene	26.85	276	11467	0.10	ng	96
23) Benzo(b)fluoranthene	24.98	252	1933	0.08	ng	# 87
24) Benzo(k)fluoranthene	25.01	252	2401	0.07	ng	# 88
25) Benzo(a)pyrene	25.35	252	1893	0.08	ng	# 82
26) Dibenzo(a,h)anthracene	26.89	278	2240	0.08	ng	# 78
27) Benzo(g,h,i)perylene	27.29	276	10260	0.09	ng	# 88

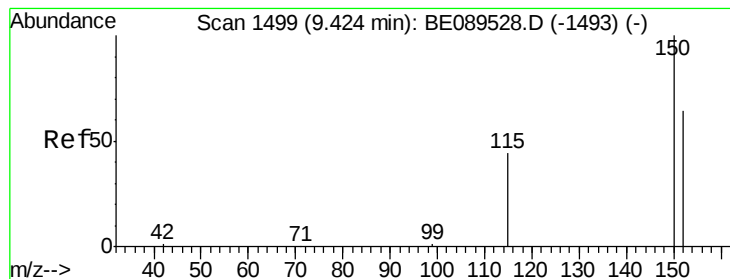
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.43 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

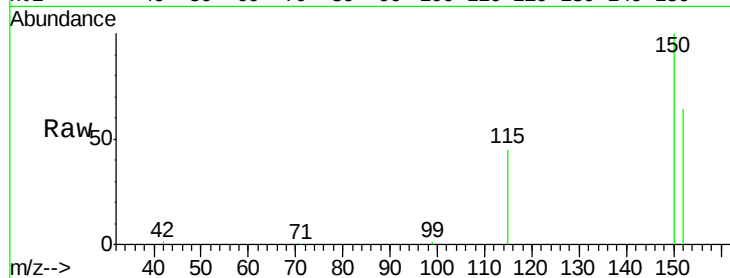
Tgt Ion:152 Resp: 32311

Ion Ratio Lower Upper

152 100

150 156.1 125.7 188.5

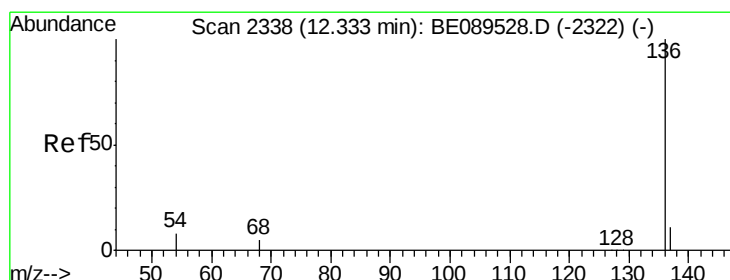
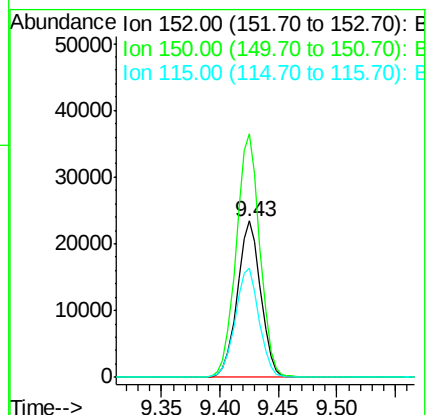
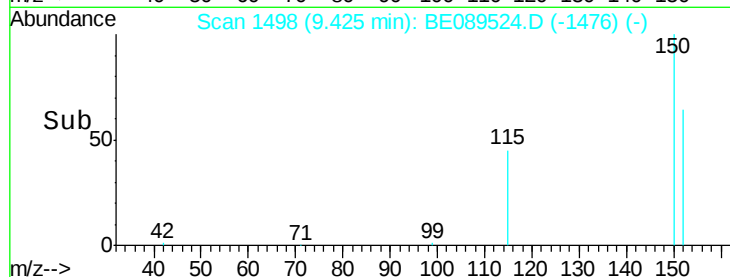
115 69.7 55.6 83.4



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: BE089524.D

Acq: 6 Feb 2015 12:32

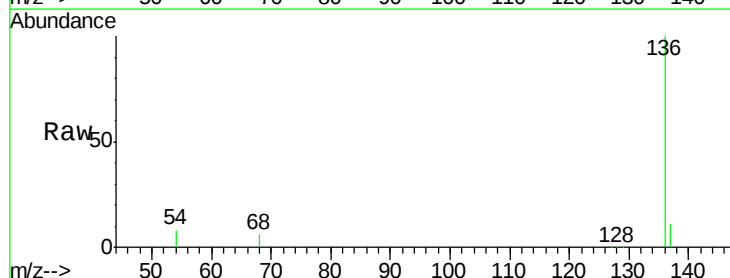
Tgt Ion:136 Resp: 122716

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

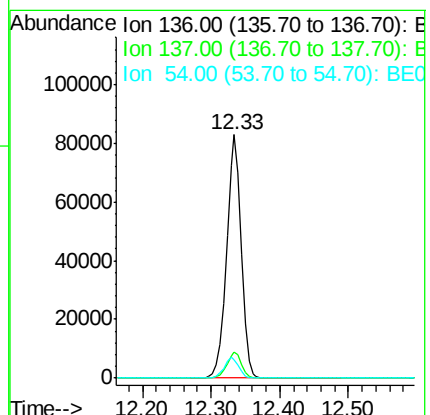
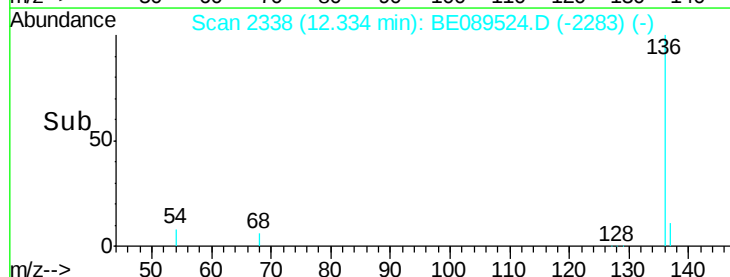
54 7.8 6.1 9.1



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: 0.09 ng

RT: 10.69 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

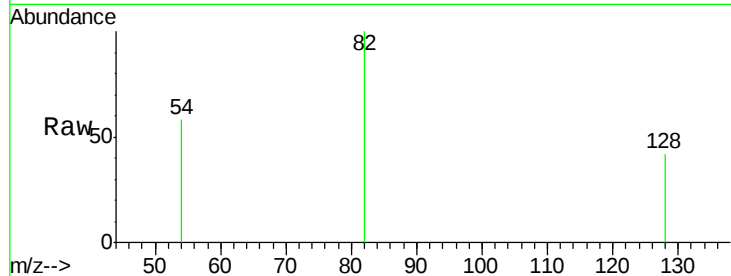
Tgt Ion: 82 Resp: 790

Ion Ratio Lower Upper

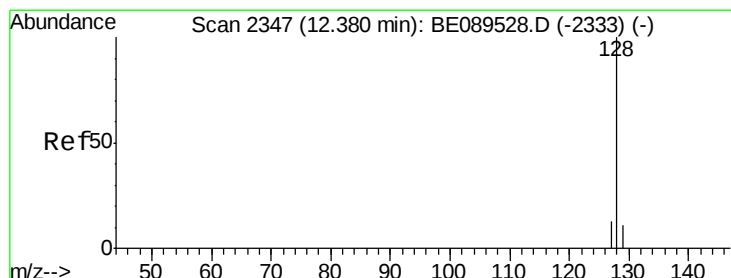
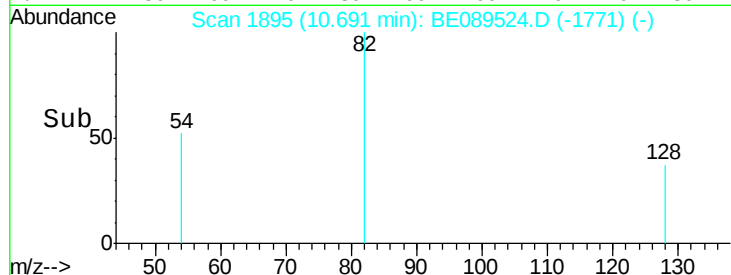
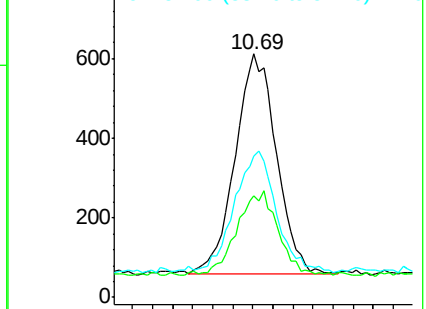
82 100

128 41.8 30.2 45.4

54 58.2 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: 0.09 ng

RT: 12.38 min Scan# 2347

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

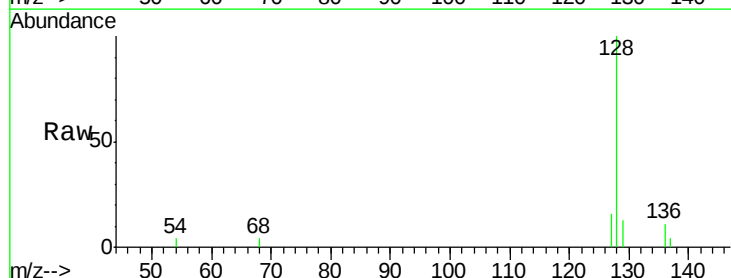
Tgt Ion: 128 Resp: 2848

Ion Ratio Lower Upper

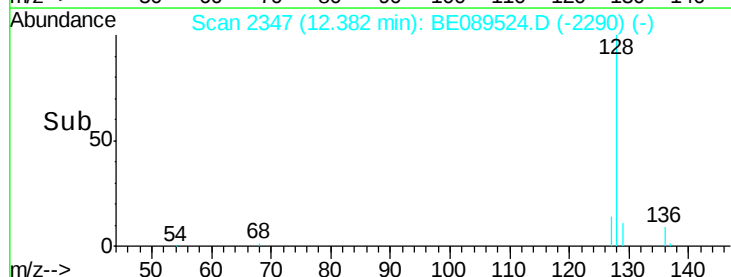
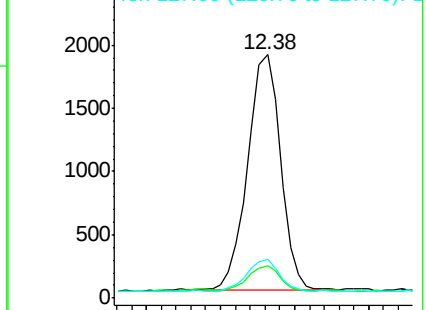
128 100

129 13.2 9.1 13.7

127 15.8 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: 0.09 ng

RT: 14.27 min Scan# 2729

Delta R.T. 0.23 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

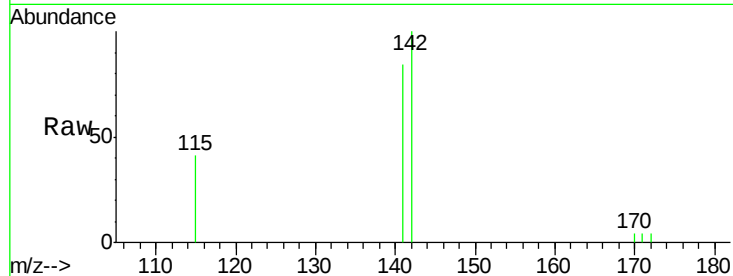
Tgt Ion:142 Resp: 1712

Ion Ratio Lower Upper

142 100

141 84.3 67.0 100.6

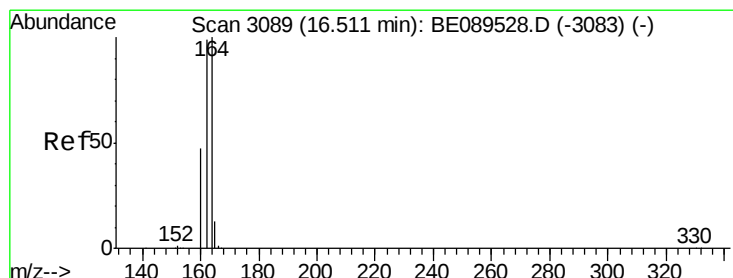
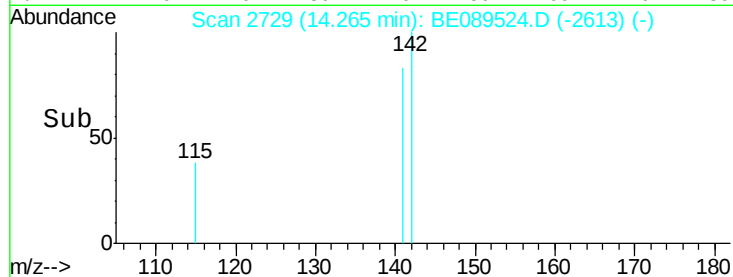
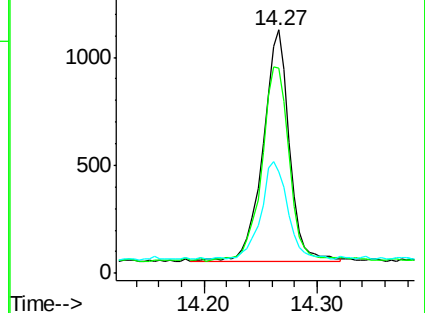
115 41.4 30.6 45.8



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: 16.52 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

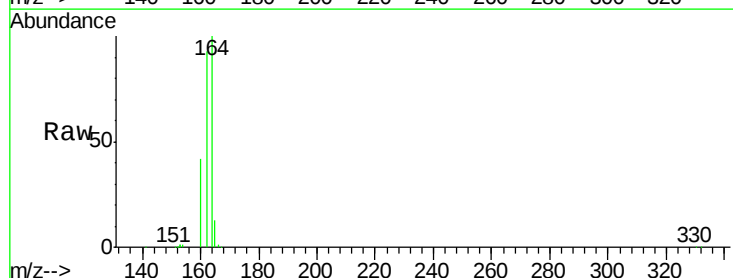
Tgt Ion:164 Resp: 47715

Ion Ratio Lower Upper

164 100

162 92.8 79.5 119.3

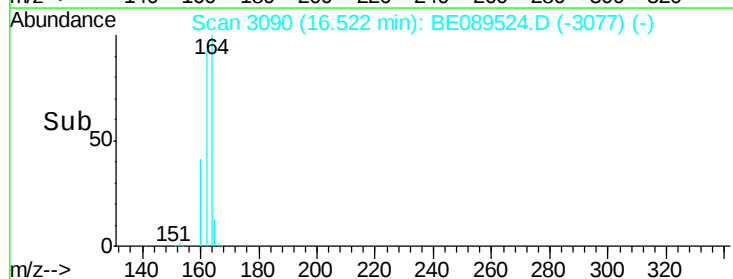
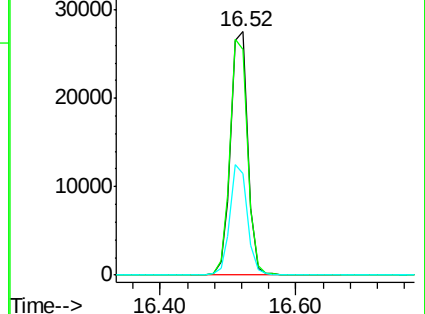
160 41.5 37.6 56.4



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: 0.09 ng

RT: 14.97 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

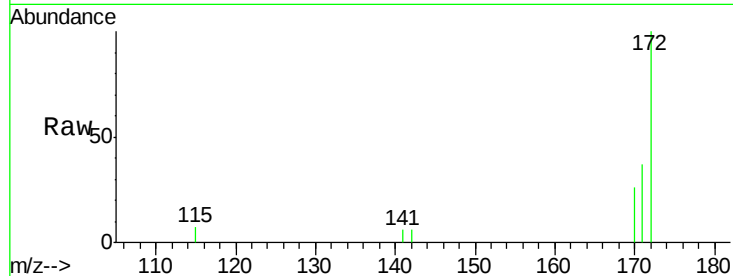
Tgt Ion:172 Resp: 1342

Ion Ratio Lower Upper

172 100

171 36.7 27.7 41.5

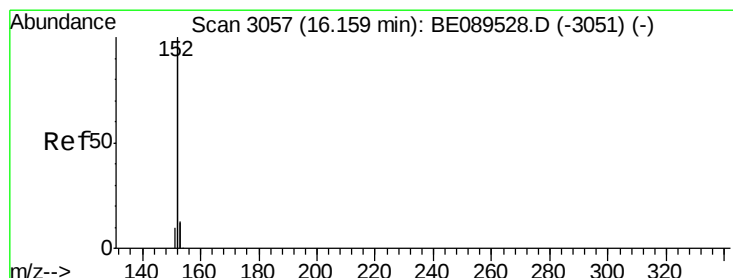
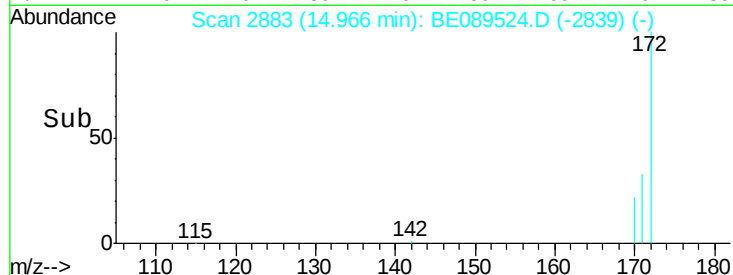
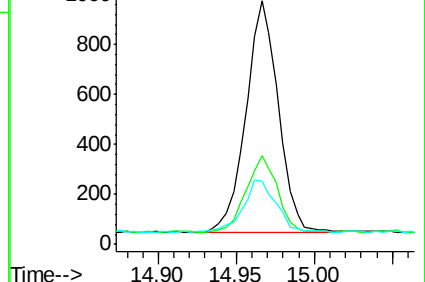
170 25.9 18.3 27.5



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: 0.07 ng

RT: 16.17 min Scan# 3058

Delta R.T. 0.01 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

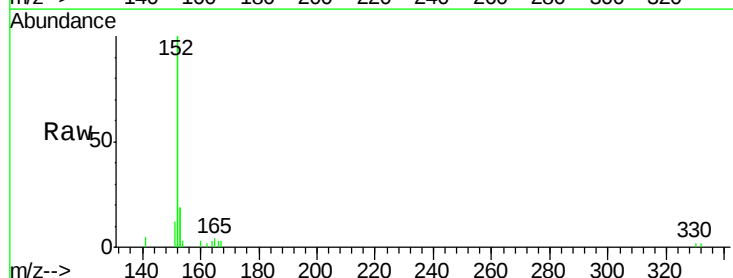
Tgt Ion:152 Resp: 7424

Ion Ratio Lower Upper

152 100

151 5.5 4.0 6.0

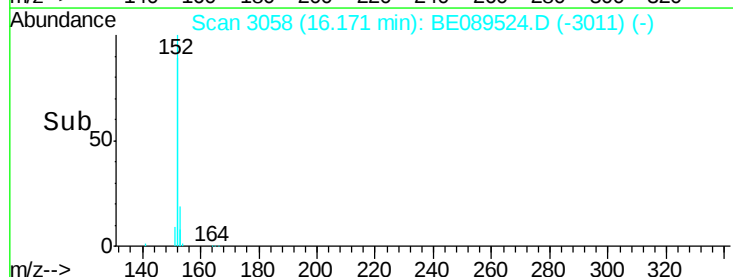
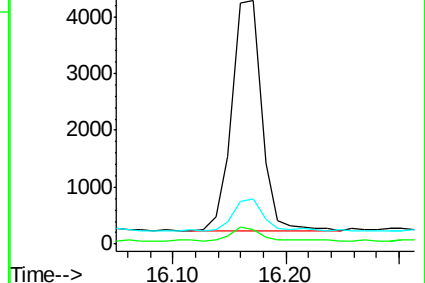
153 16.1 10.6 15.8#

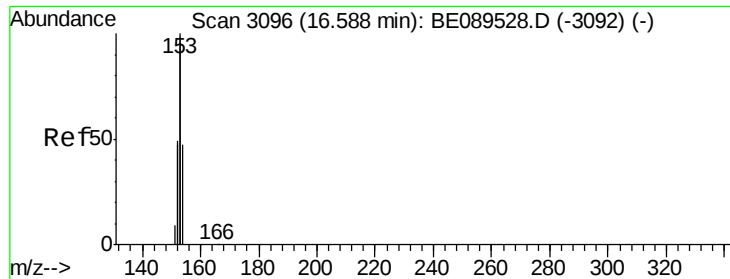


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.09 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

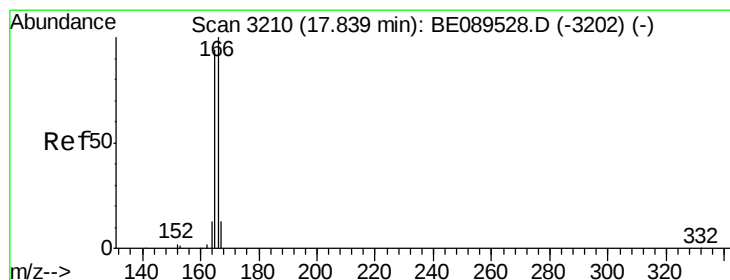
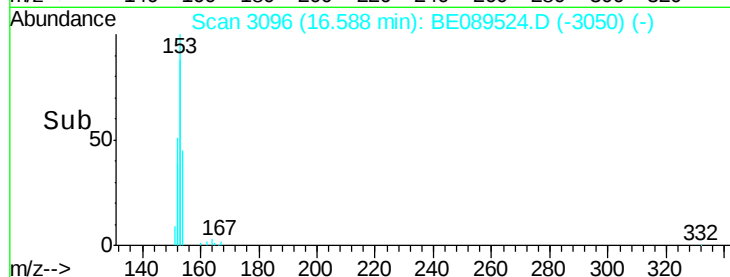
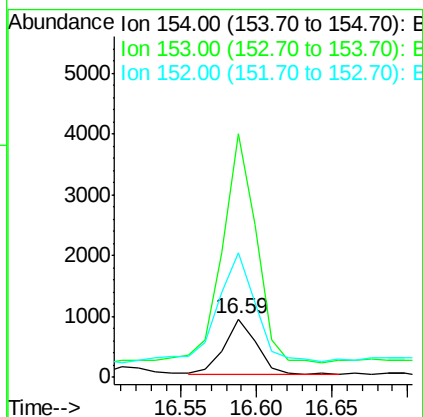
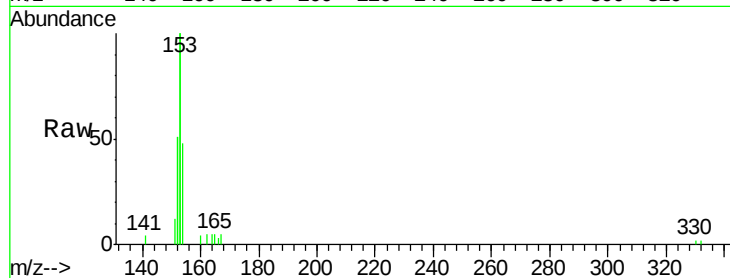
Tgt Ion:154 Resp: 1318

Ion Ratio Lower Upper

154 100

153 464.0 340.8 511.2

152 242.6 165.5 248.3



#10

Fluorene

Concen: 0.08 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

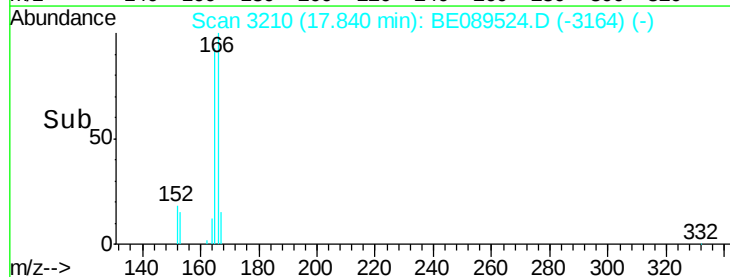
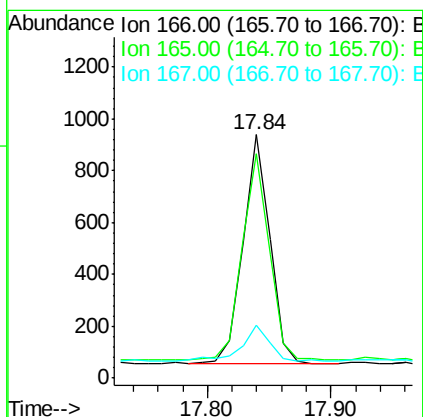
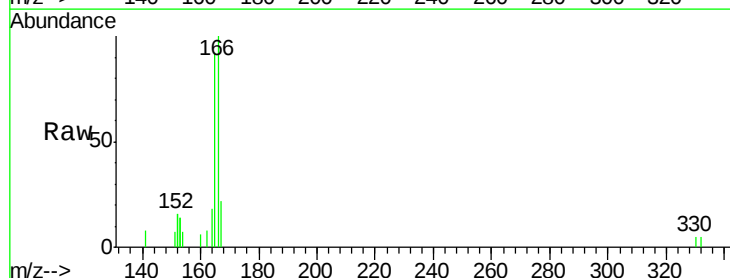
Tgt Ion:166 Resp: 1351

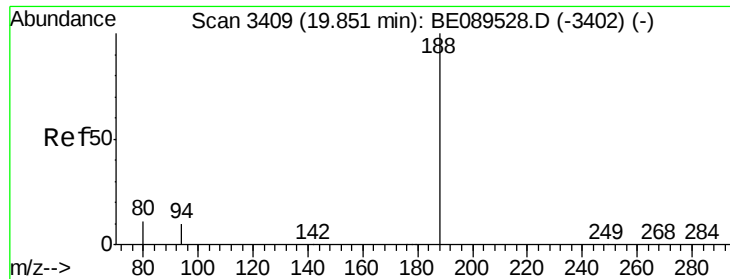
Ion Ratio Lower Upper

166 100

165 91.1 75.5 113.3

167 17.5 10.9 16.3#

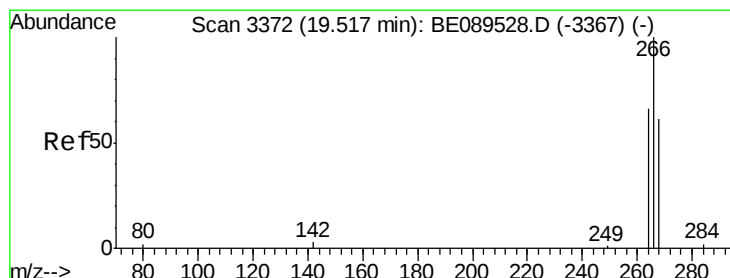
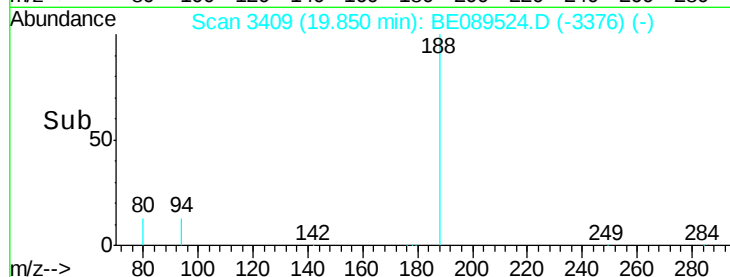
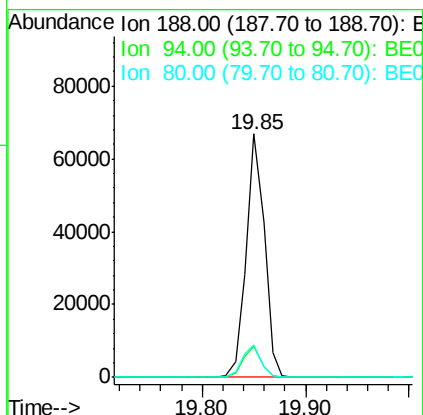
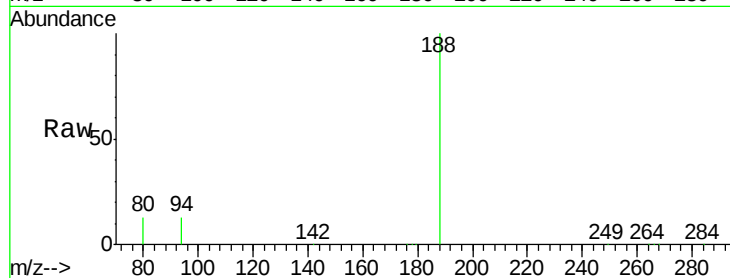




#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.85 min Scan# 3409
Delta R.T. -0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

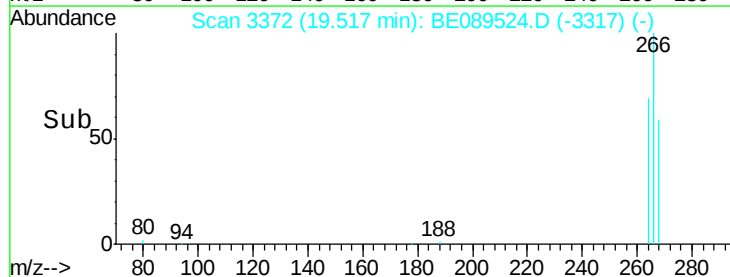
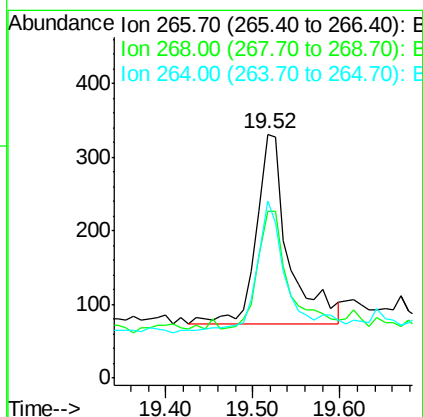
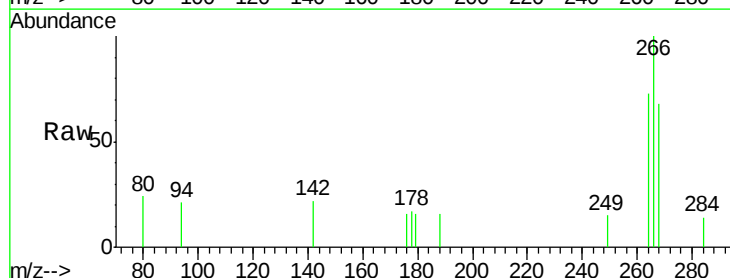
Instrument :
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SSTDIC0.1

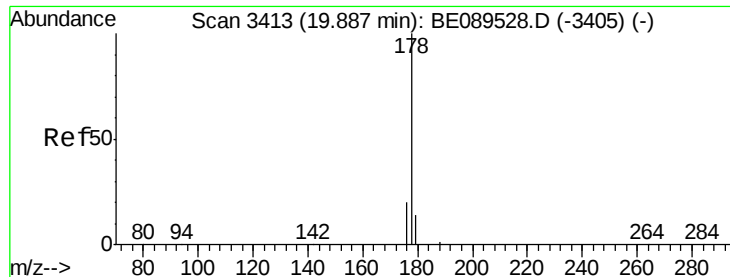
Tgt Ion:188 Resp: 81375
Ion Ratio Lower Upper
188 100
94 12.6 8.4 12.6
80 13.2 8.6 12.8#



#12
Pentachlorophenol
Concen: 1.08 ng
RT: 19.52 min Scan# 3372
Delta R.T. -0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Tgt Ion:266 Resp: 661
Ion Ratio Lower Upper
266 100
268 68.3 57.9 86.9
264 72.8 60.2 90.4

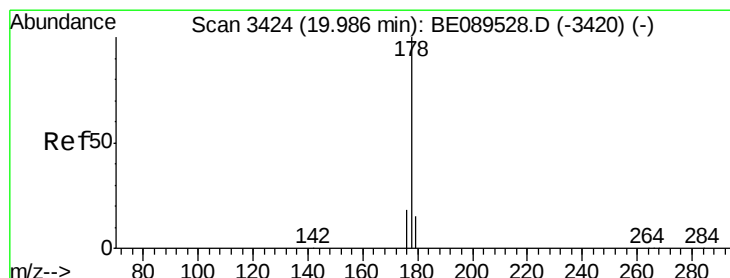
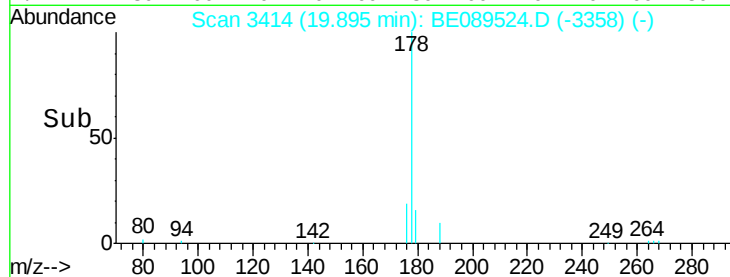
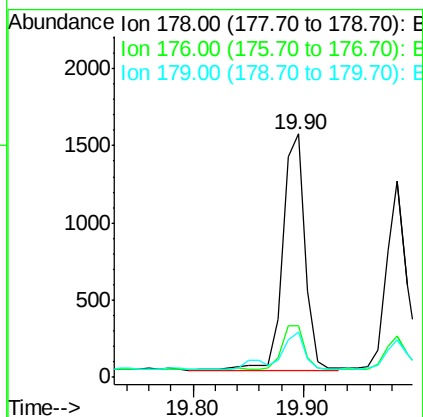
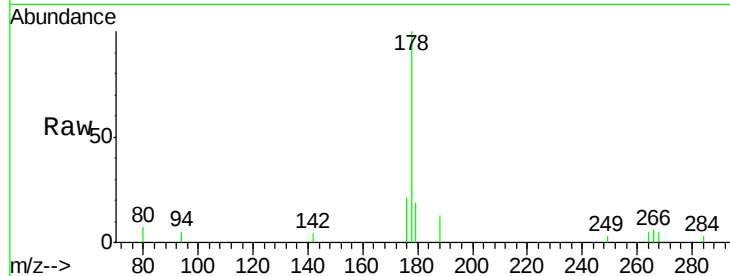




#13
Phenanthrene
Concen: 0.09 ng
RT: 19.90 min Scan# 3414
Delta R.T. 0.01 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

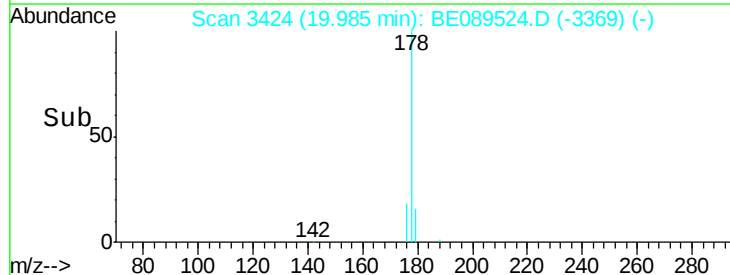
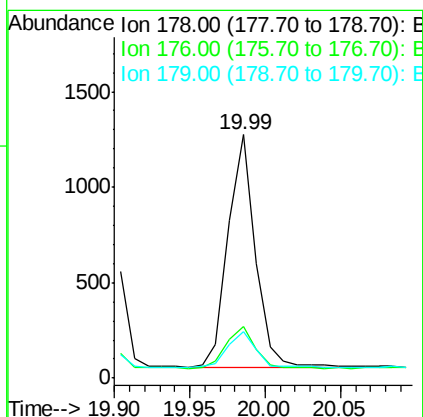
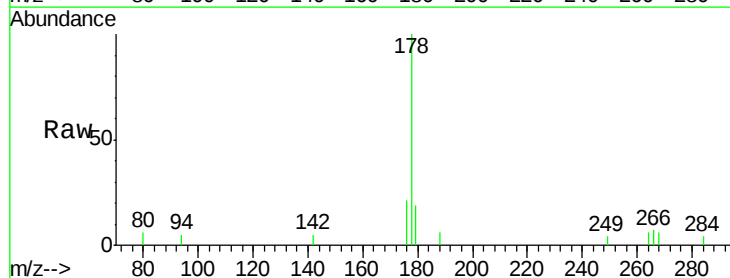
Instrument :
BNA_E
LabSampleId :
SSTDIC0.1

Tgt Ion:178 Resp: 2143
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 18.2 12.2 18.2



#14
Anthracene
Concen: 0.07 ng
RT: 19.99 min Scan# 3424
Delta R.T. -0.00 min
Lab File: BE089524.D
Acq: 6 Feb 2015 12:32

Tgt Ion:178 Resp: 1538
Ion Ratio Lower Upper
178 100
176 19.9 14.5 21.7
179 16.3 12.2 18.2

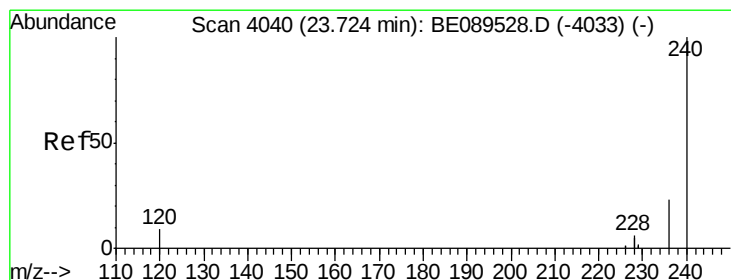
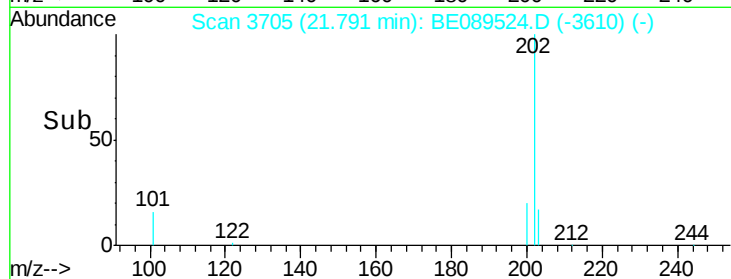
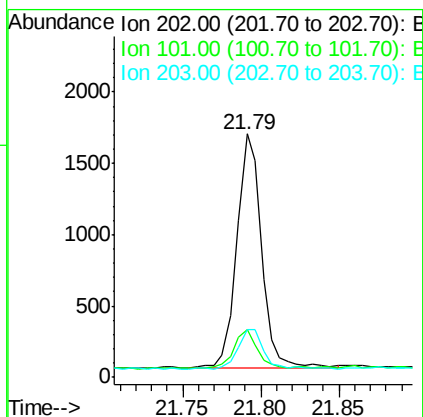
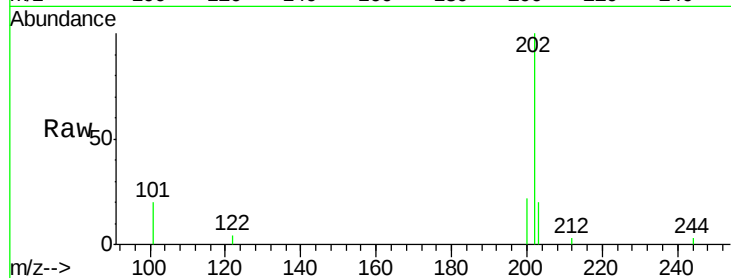




#15
 Fluoranthene
 Concen: 0.08 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

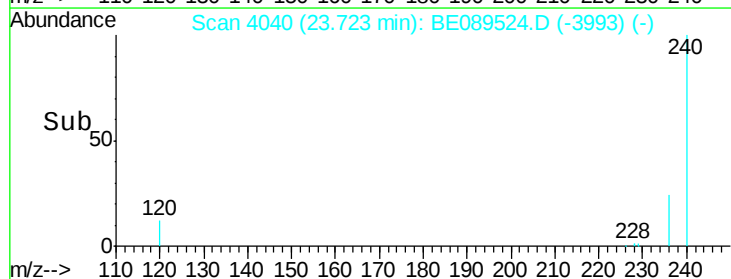
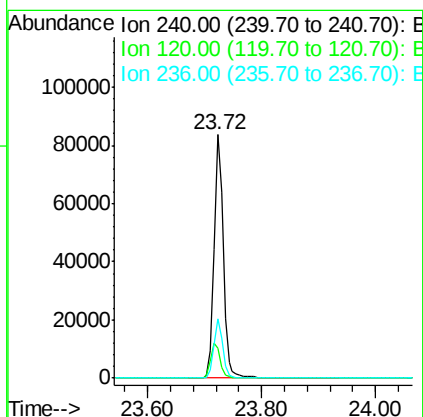
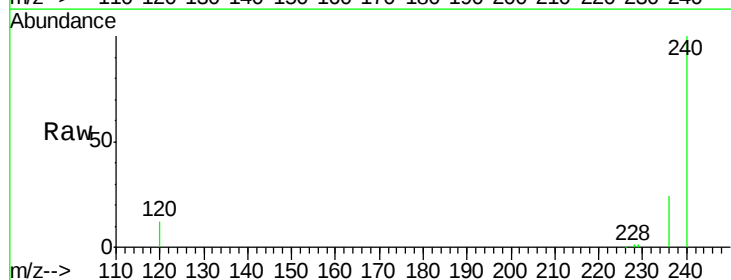
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

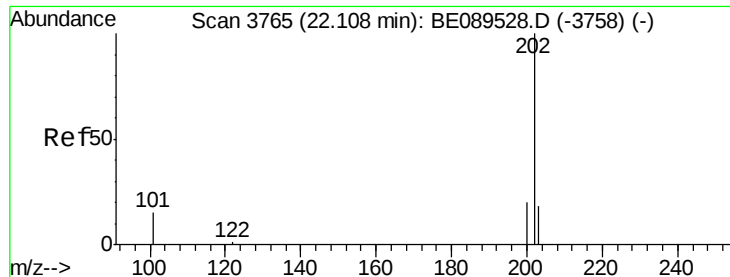
Tgt Ion:202 Resp: 1807
 Ion Ratio Lower Upper
 202 100
 101 16.0 11.6 17.4
 203 18.9 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4040
 Delta R.T. -0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Tgt Ion:240 Resp: 90618
 Ion Ratio Lower Upper
 240 100
 120 12.4 7.2 10.8#
 236 24.3 18.5 27.7





#17

Pyrene

Concen: 0.07 ng

RT: 22.11 min Scan# 3765

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

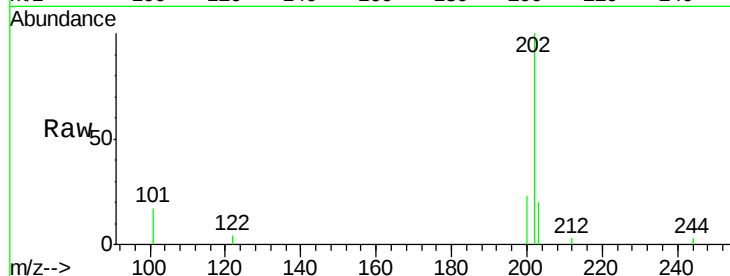
Tgt Ion:202 Resp: 1898

Ion Ratio Lower Upper

202 100

200 19.4 16.3 24.5

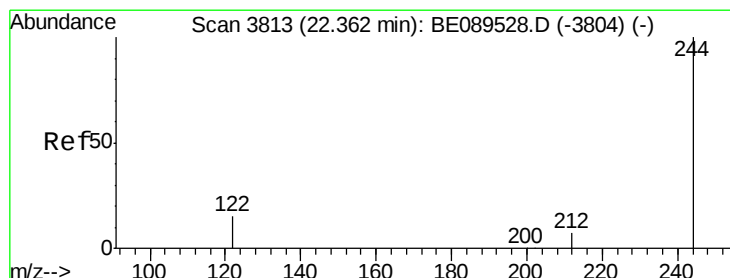
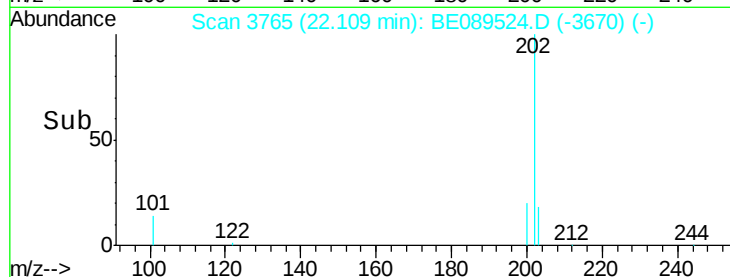
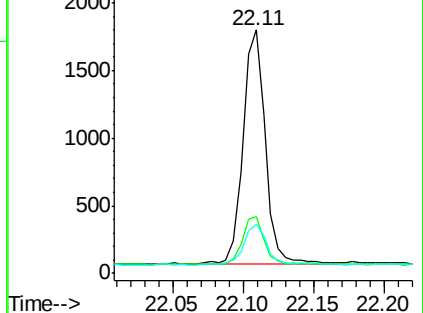
203 19.3 13.5 20.3



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: 0.07 ng

RT: 22.36 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

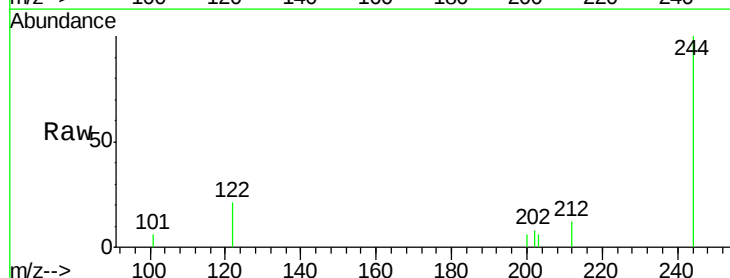
Tgt Ion:244 Resp: 1199

Ion Ratio Lower Upper

244 100

212 12.3 5.8 8.8#

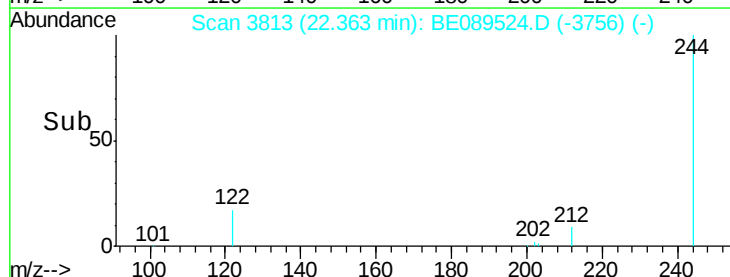
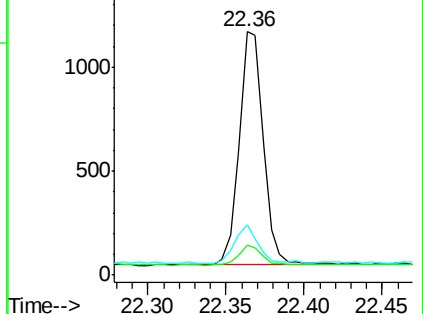
122 20.9 12.6 19.0#



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: 0.09 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

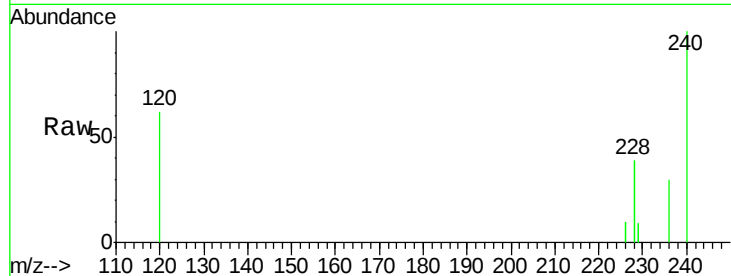
Tgt Ion:228 Resp: 8598

Ion Ratio Lower Upper

228 100

226 26.4 19.0 28.4

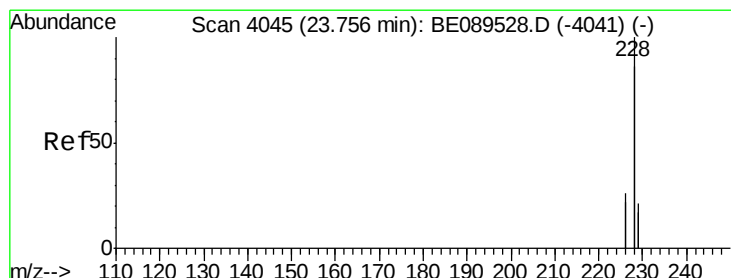
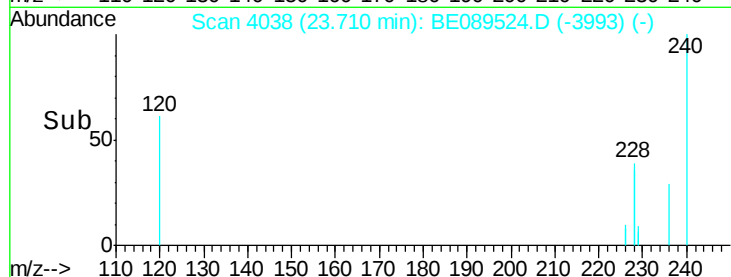
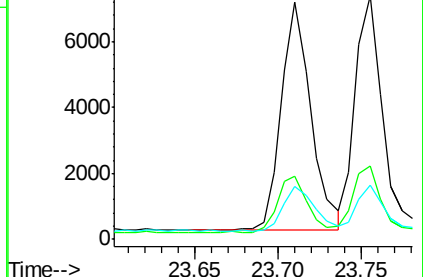
229 22.4 16.8 25.2



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: 0.08 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

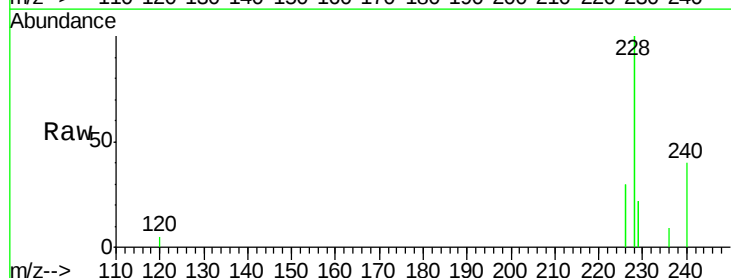
Tgt Ion:228 Resp: 8328

Ion Ratio Lower Upper

228 100

226 30.2 21.0 31.4

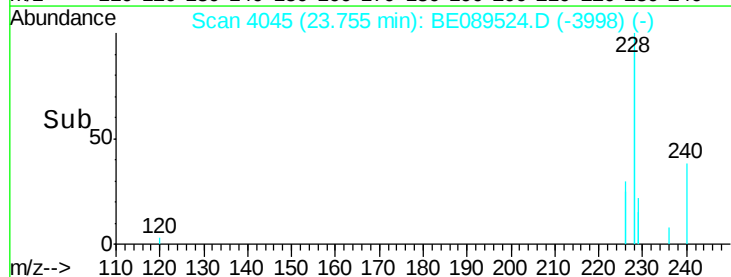
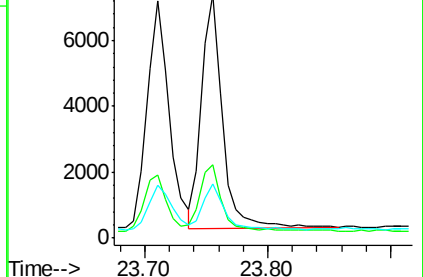
229 22.0 16.7 25.1

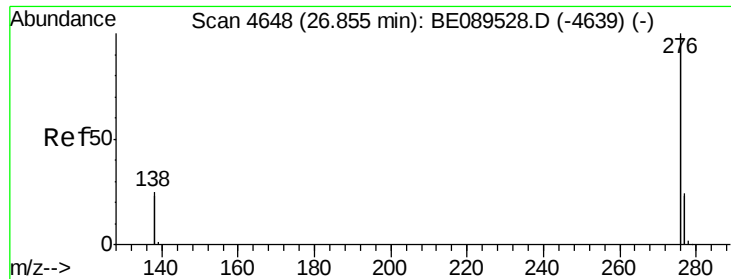


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.10 ng

RT: 26.85 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDICC0.1

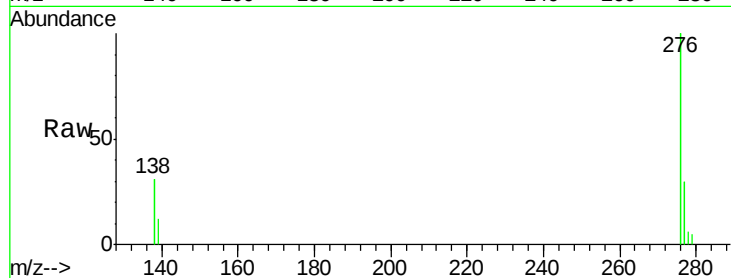
Tgt Ion:276 Resp: 11467

Ion Ratio Lower Upper

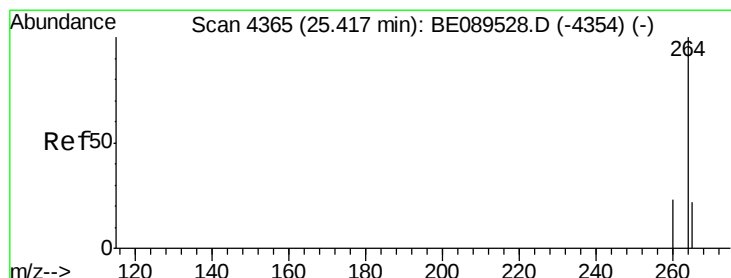
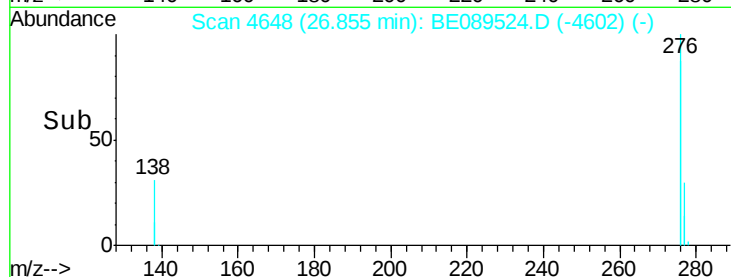
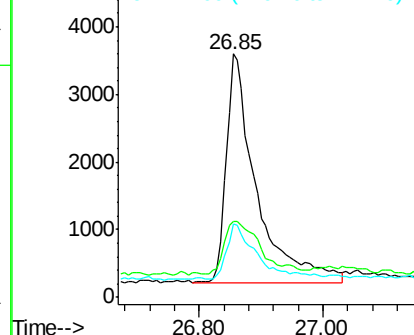
276 100

138 25.6 23.0 34.4

277 24.1 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# 4366

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

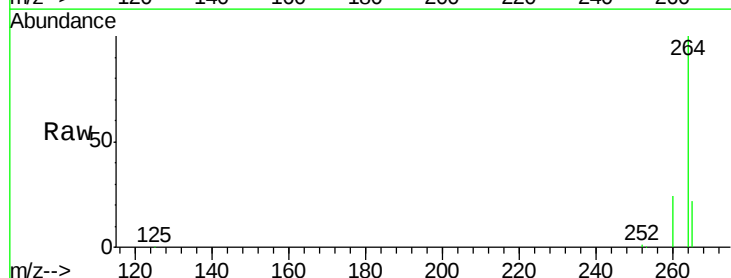
Tgt Ion:264 Resp: 104587

Ion Ratio Lower Upper

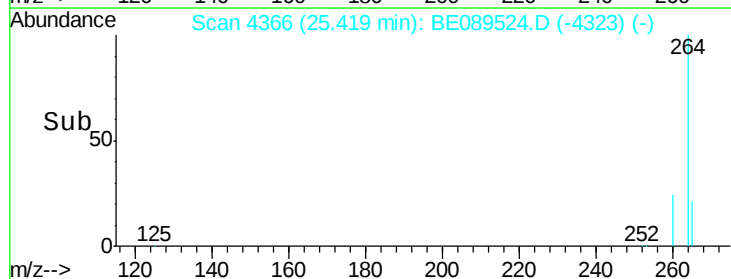
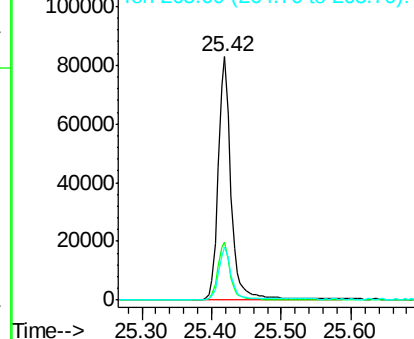
264 100

260 23.8 18.7 28.1

265 21.5 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: 0.08 ng

RT: 24.98 min Scan# 4270

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

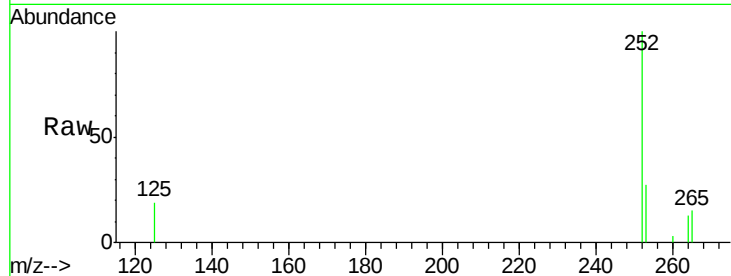
Tgt Ion:252 Resp: 1933

Ion Ratio Lower Upper

252 100

253 26.7 17.4 26.0#

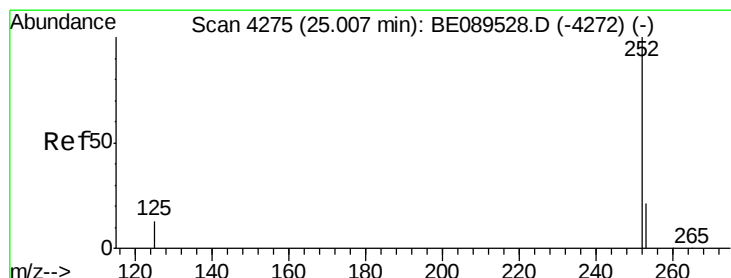
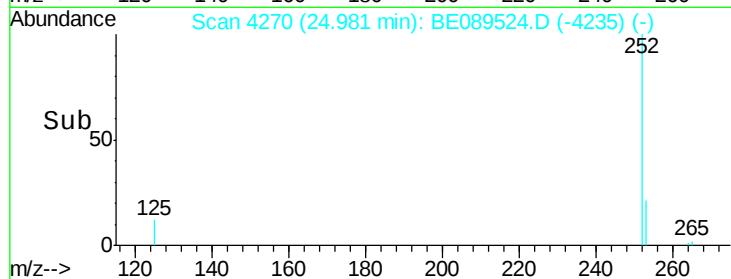
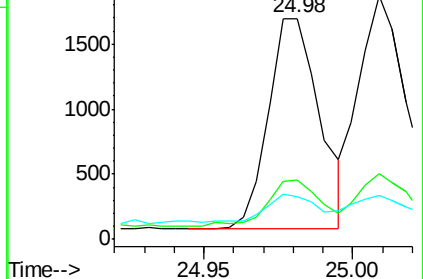
125 19.5 10.4 15.6#



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: 0.07 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

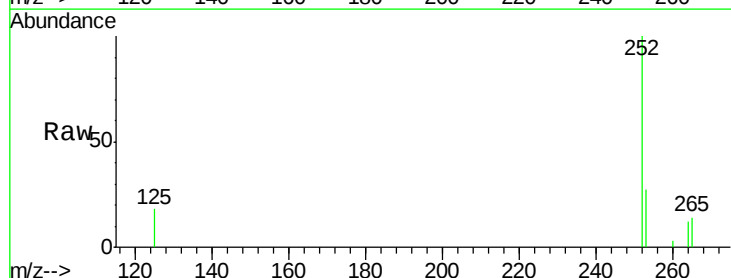
Tgt Ion:252 Resp: 2401

Ion Ratio Lower Upper

252 100

253 27.1 17.2 25.8#

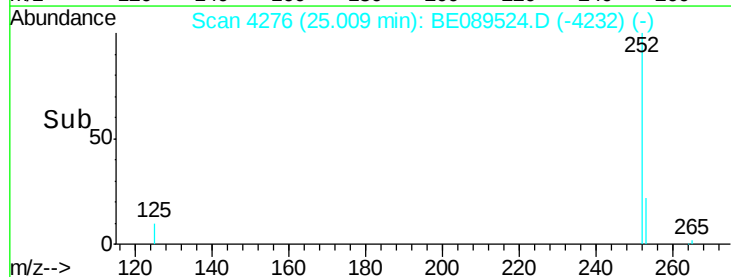
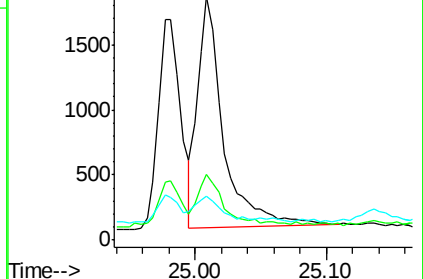
125 17.8 10.6 15.8#



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: 0.08 ng

RT: 25.35 min Scan# 4351

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

Instrument :

BNA_E

LabSampleId :

SSTDIC0.1

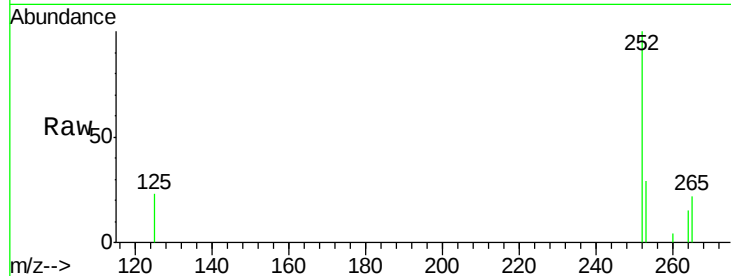
Tgt Ion: 252 Resp: 1893

Ion Ratio Lower Upper

252 100

253 29.3 17.8 26.6#

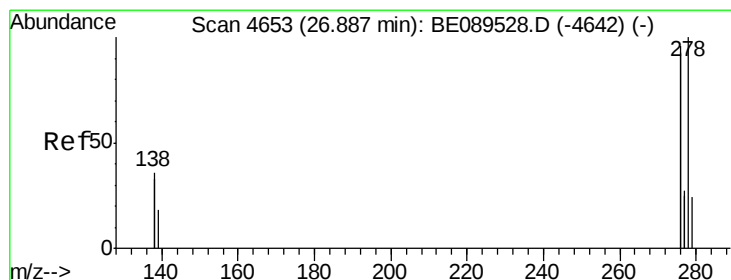
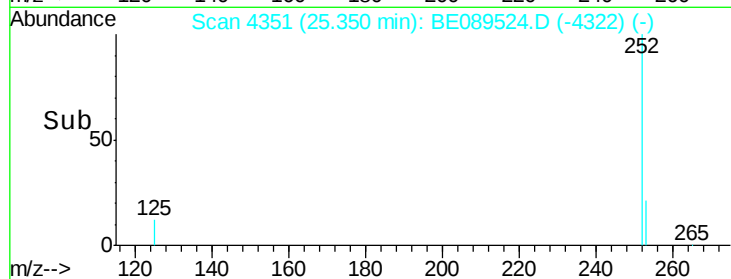
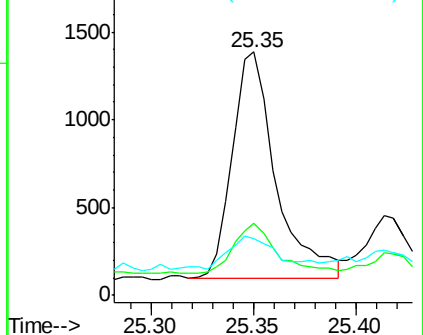
125 23.1 11.4 17.2#



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: 0.08 ng

RT: 26.89 min Scan# 4653

Delta R.T. 0.00 min

Lab File: BE089524.D

Acq: 6 Feb 2015 12:32

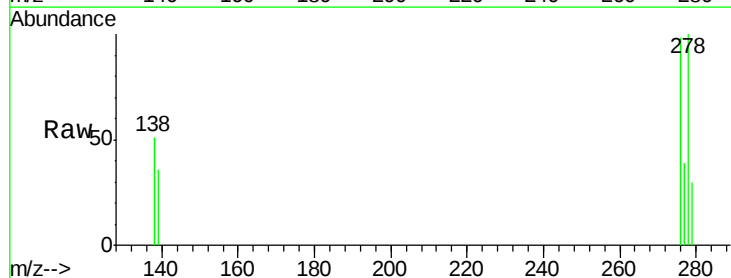
Tgt Ion: 278 Resp: 2240

Ion Ratio Lower Upper

278 100

139 36.3 15.7 23.5#

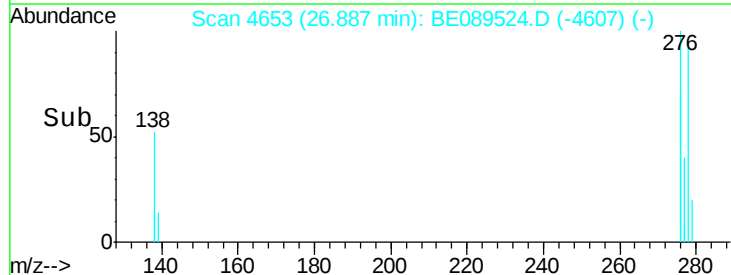
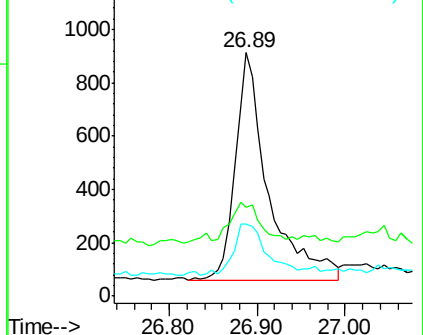
279 29.8 19.5 29.3#



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

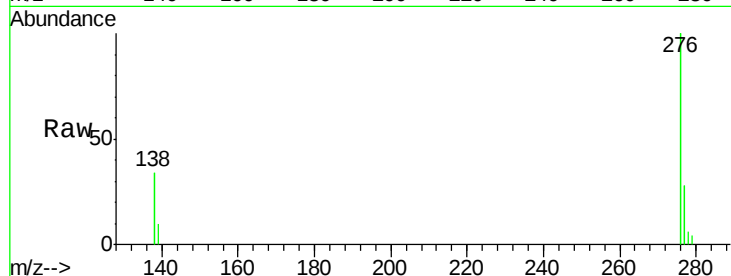




#27
 Benzo(g,h,i)perylene
 Concen: 0.09 ng
 RT: 27.29 min Scan# 4714
 Delta R.T. 0.00 min
 Lab File: BE089524.D
 Acq: 6 Feb 2015 12:32

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	27.8
138	33.5	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

