

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089555.D
 Acq On : 7 Feb 2015 10:42
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 09 00:16:23 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 04:07:57 2015
 Response via : Initial Calibration

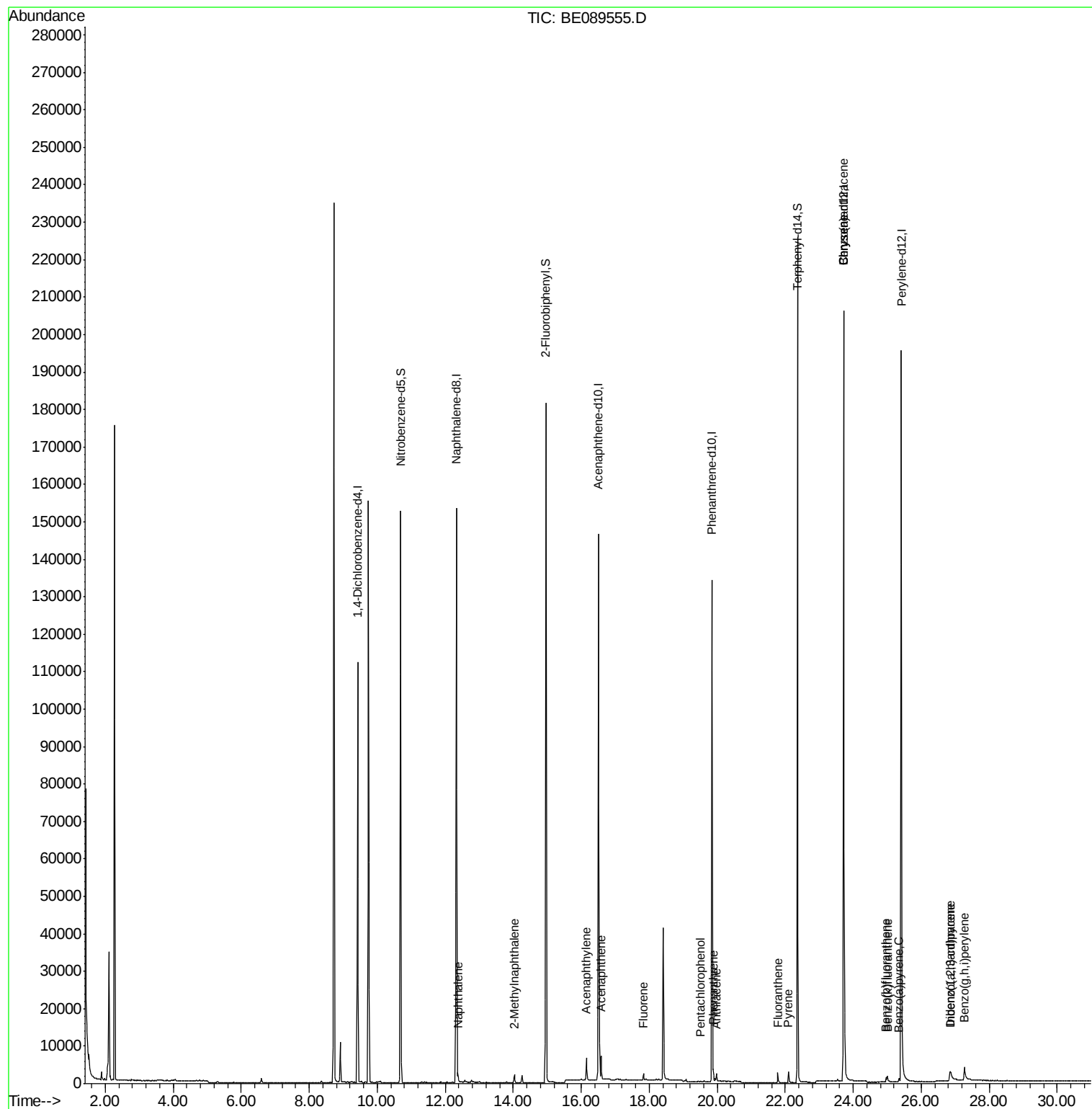
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	48450	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	186088	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	85709	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	145547	5.00	ng	0.00
16) Chrysene-d12	23.72	240	166255	5.00	ng	0.00
22) Perylene-d12	25.41	264	179420	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.69	82	111915	9.06	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	172691	7.55	ng	0.00
18) Terphenyl-d14	22.36	244	195815	8.93	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.38	128	2922	0.07	ng	98
5) 2-Methylnaphthalene	14.03	142	1521	0.06	ng	95
8) Acenaphthylene	16.16	152	7652	0.05	ng	98
9) Acenaphthene	16.59	154	1427	0.06	ng	93
10) Fluorene	17.83	166	1431	0.06	ng	98
12) Pentachlorophenol	19.53	266	10	0.54	ng	# 77
13) Phenanthrene	19.89	178	2508	0.07	ng	99
14) Anthracene	19.98	178	1854	0.06	ng	98
15) Fluoranthene	21.79	202	2029	0.06	ng	99
17) Pyrene	22.10	202	2186	0.06	ng	99
19) Benzo(a)anthracene	23.71	228	9516	0.06	ng	98
20) Chrysene	23.71	228	9516	0.06	ng	96
21) Indeno(1,2,3-cd)pyrene	26.85	276	7425	0.04	ng	97
23) Benzo(b)fluoranthene	24.97	252	1274	0.04	ng	# 86
24) Benzo(k)fluoranthene	25.00	252	2303	0.05	ng	# 92
25) Benzo(a)pyrene	25.34	252	1422	0.04	ng	# 83
26) Dibenzo(a,h)anthracene	26.87	278	1306	0.03	ng	# 77
27) Benzo(g,h,i)perylene	27.27	276	7730	0.04	ng	# 87

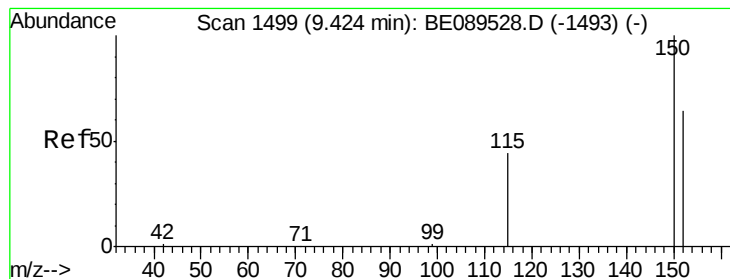
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.42 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

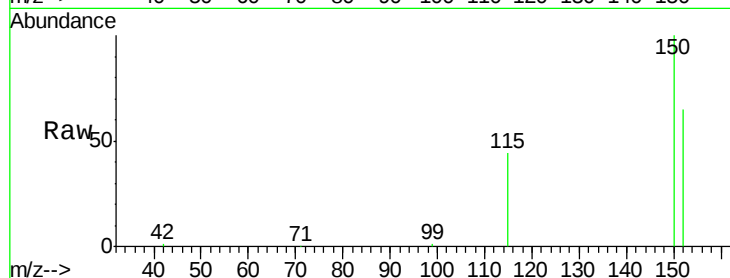
Tgt Ion:152 Resp: 48450

Ion Ratio Lower Upper

152 100

150 154.6 125.7 188.5

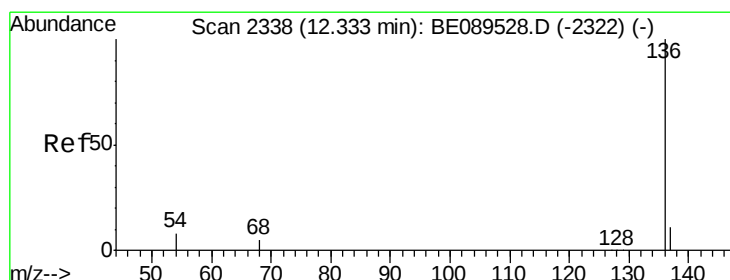
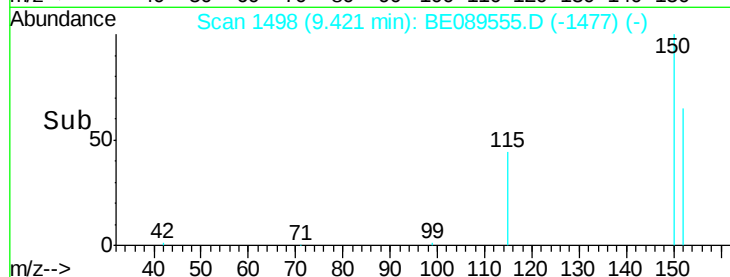
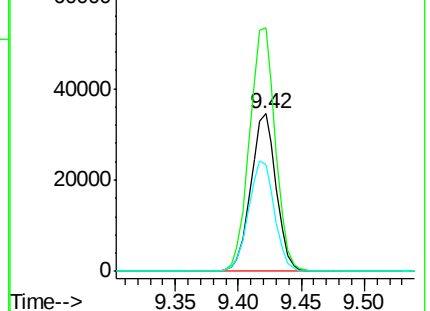
115 68.0 55.6 83.4



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# 2337

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

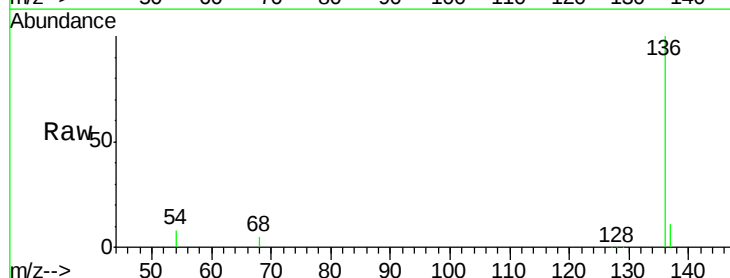
Tgt Ion:136 Resp: 186088

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

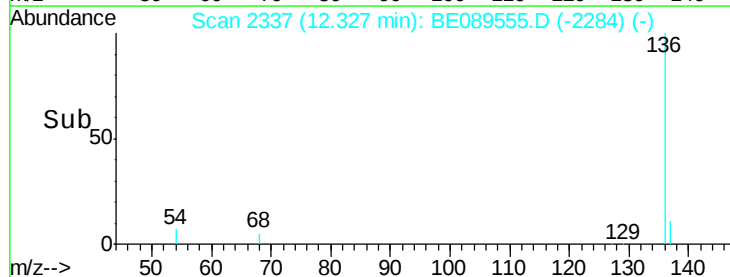
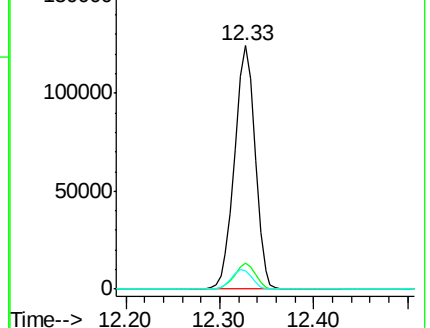
54 7.5 6.1 9.1



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: 9.06 ng

RT: 10.69 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

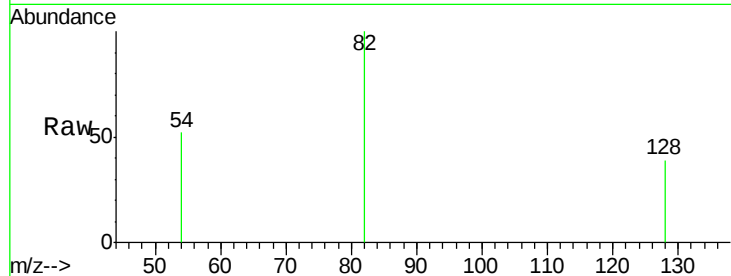
Tgt Ion: 82 Resp: 111915

Ion Ratio Lower Upper

82 100

128 38.5 30.2 45.4

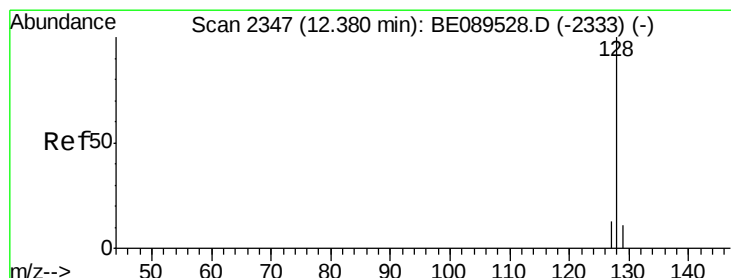
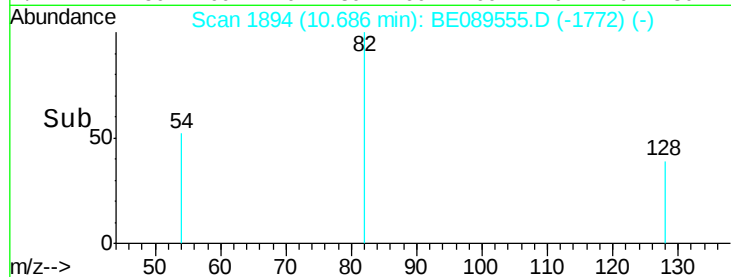
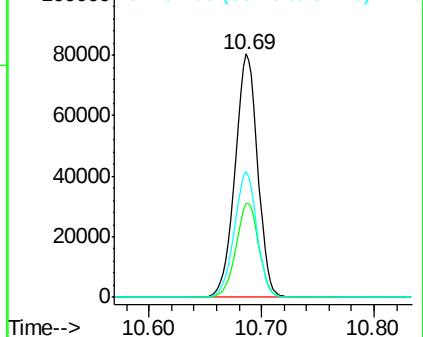
54 51.5 40.6 60.8



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: 0.07 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

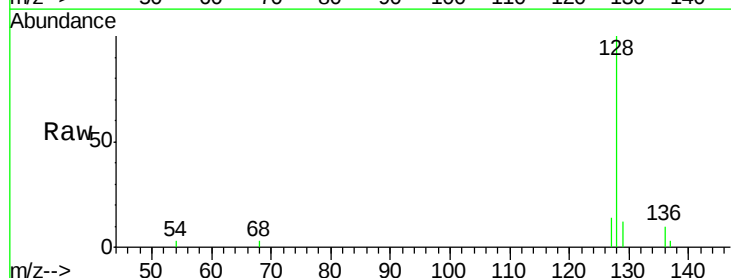
Tgt Ion: 128 Resp: 2922

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

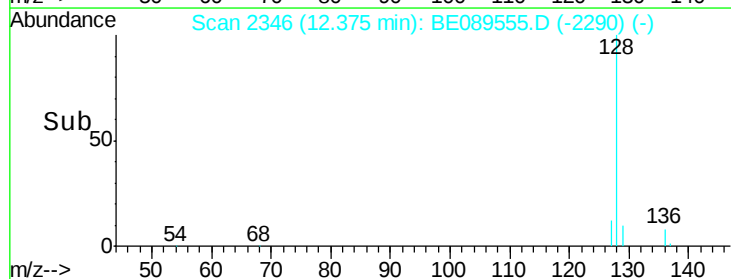
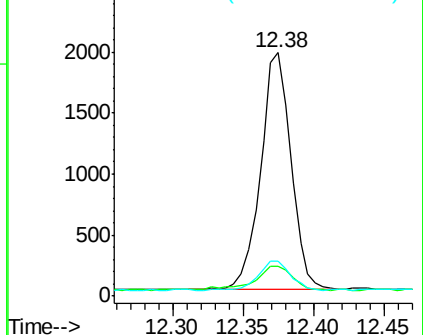
127 14.3 10.5 15.7



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: 0.06 ng

RT: 14.03 min Scan# 2678

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

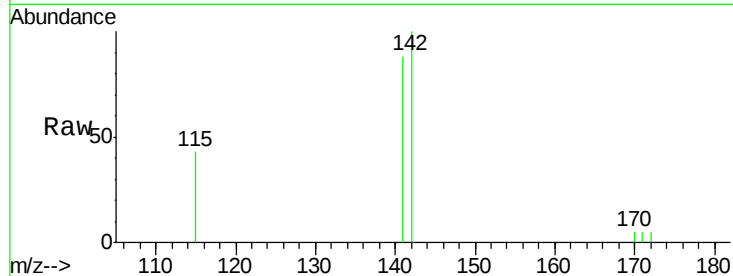
Tgt Ion:142 Resp: 1521

Ion Ratio Lower Upper

142 100

141 87.7 67.0 100.6

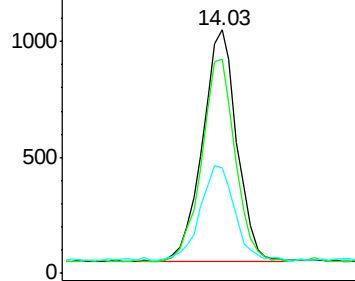
115 43.0 30.6 45.8



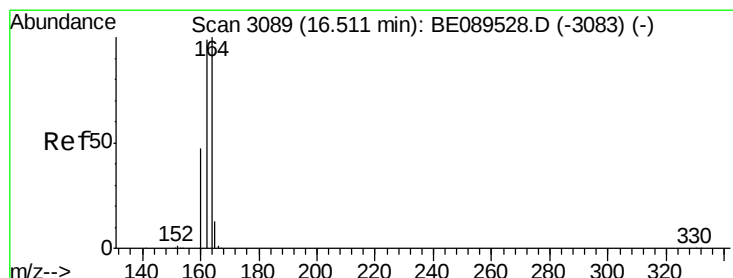
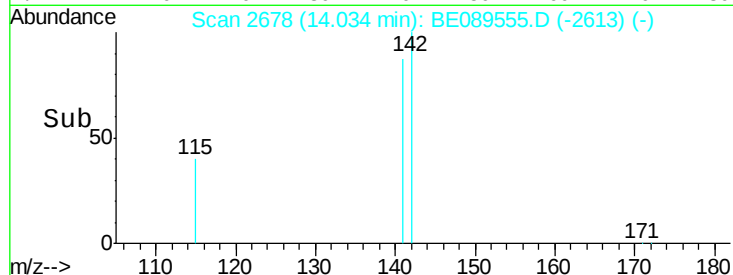
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3089

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

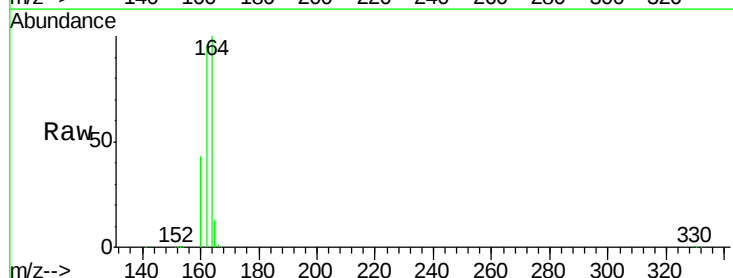
Tgt Ion:164 Resp: 85709

Ion Ratio Lower Upper

164 100

162 95.9 79.5 119.3

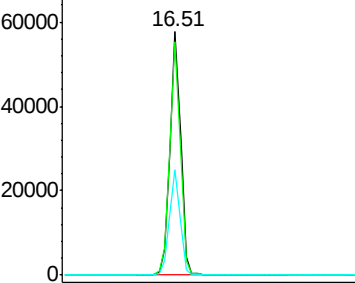
160 43.2 37.6 56.4



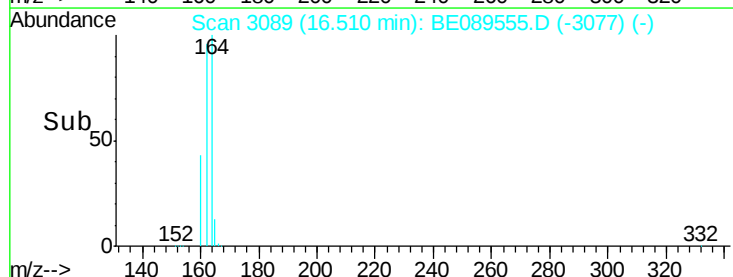
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->





#7

2-Fluorobiphenyl

Concen: 7.55 ng

RT: 14.96 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

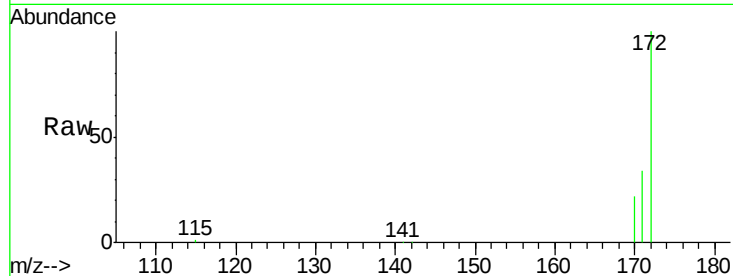
Tgt Ion:172 Resp: 172691

Ion Ratio Lower Upper

172 100

171 34.2 27.7 41.5

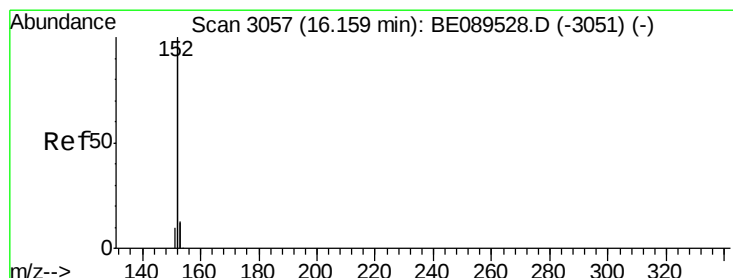
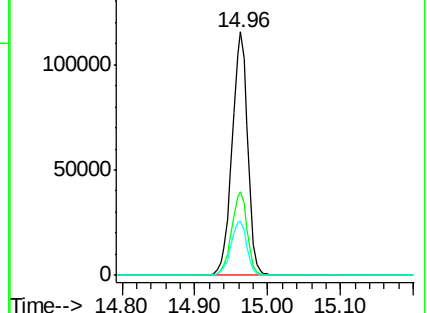
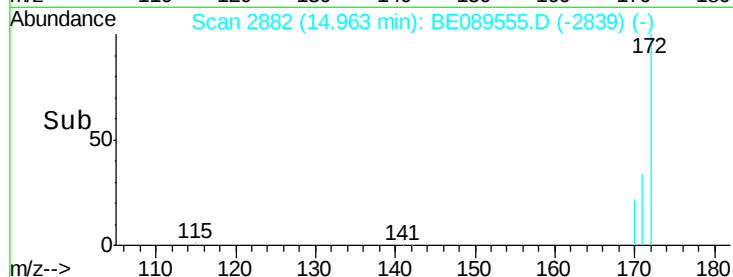
170 22.3 18.3 27.5



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: 0.05 ng

RT: 16.16 min Scan# 3057

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

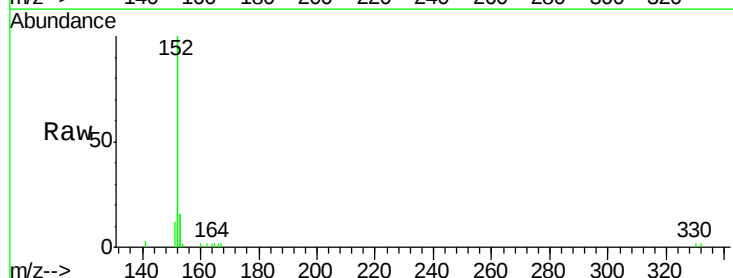
Tgt Ion:152 Resp: 7652

Ion Ratio Lower Upper

152 100

151 5.4 4.0 6.0

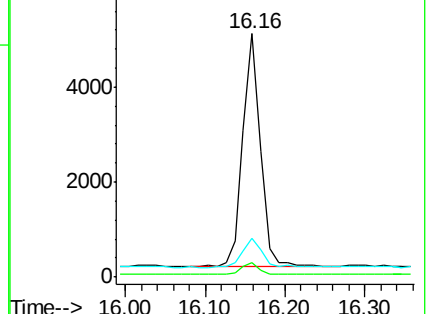
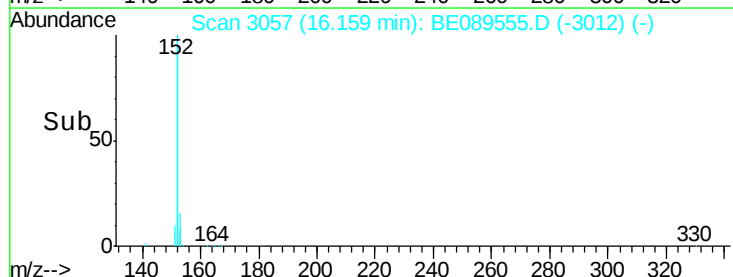
153 14.0 10.6 15.8

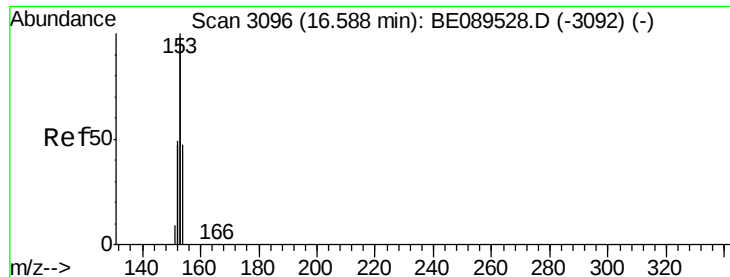


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.06 ng

RT: 16.59 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

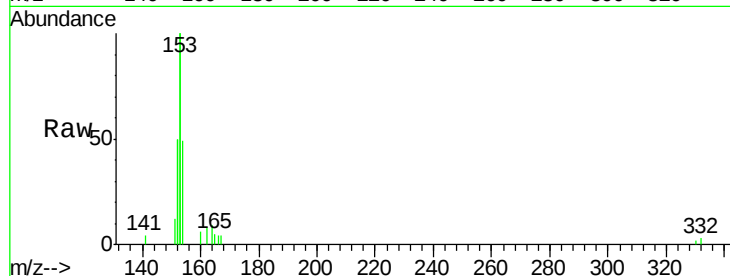
BNA_E

LabSampleId :

SSTDIC0.8

Tgt Ion:154 Resp: 1427

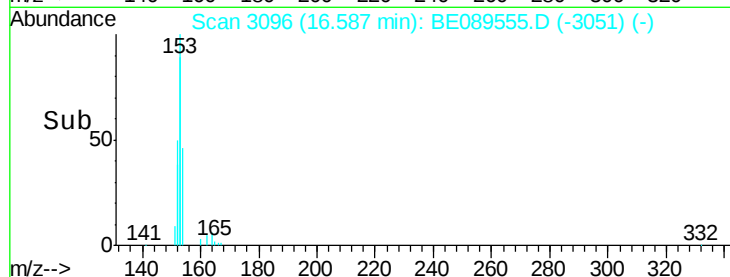
Ion	Ratio	Lower	Upper
154	100		
153	425.5	340.8	511.2
152	237.1	165.5	248.3



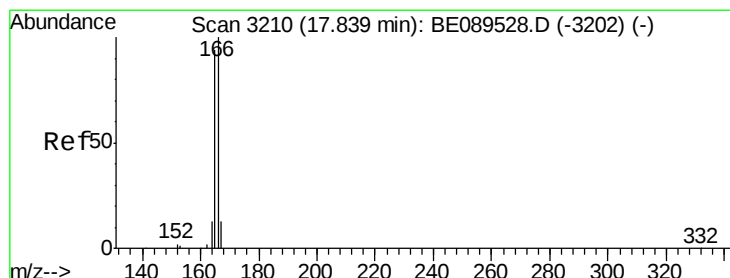
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#10

Fluorene

Concen: 0.06 ng

RT: 17.83 min Scan# 3209

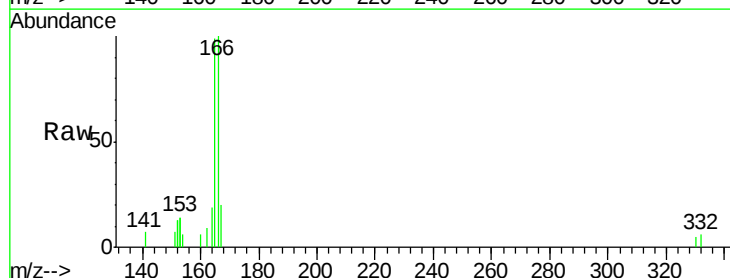
Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Tgt Ion:166 Resp: 1431

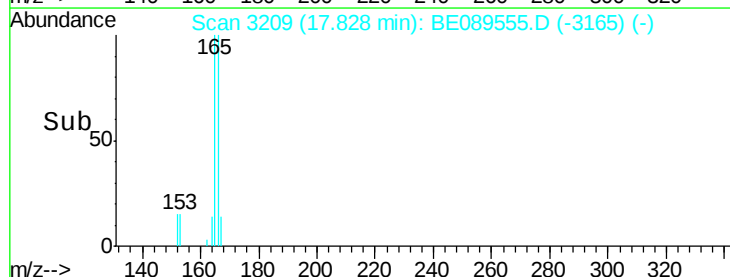
Ion	Ratio	Lower	Upper
166	100		
165	95.7	75.5	113.3
167	16.0	10.9	16.3



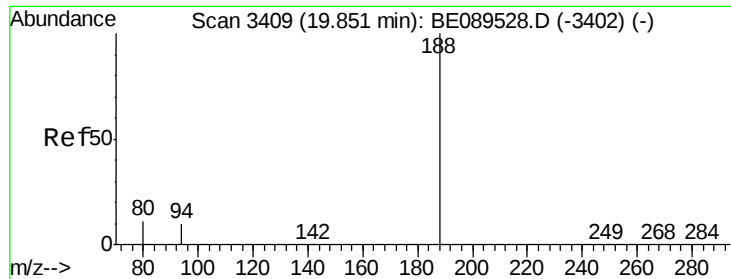
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



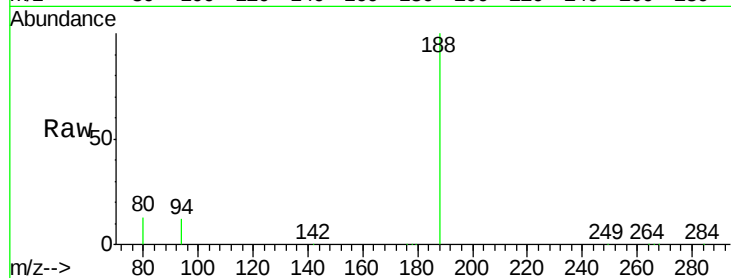
Time-->



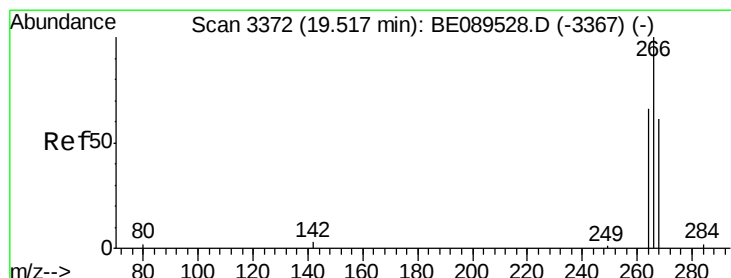
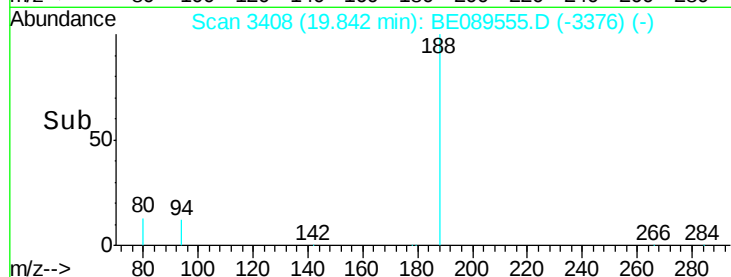
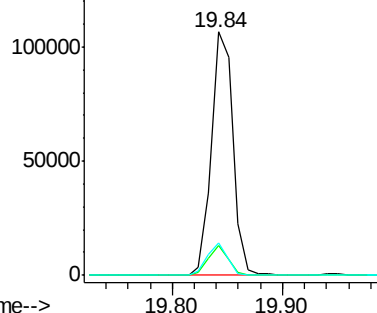
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.84 min Scan# 3408
Delta R.T. -0.01 min
Lab File: BE089555.D
Acq: 7 Feb 2015 10:42

Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

Tgt Ion:188 Resp: 145547
Ion Ratio Lower Upper
188 100
94 12.1 8.4 12.6
80 13.3 8.6 12.8#

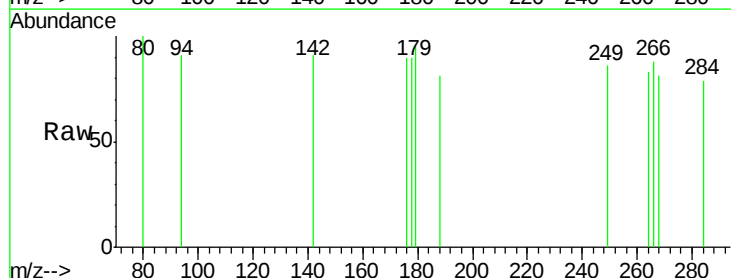


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

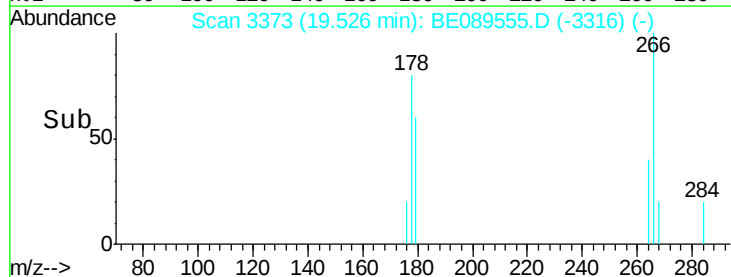
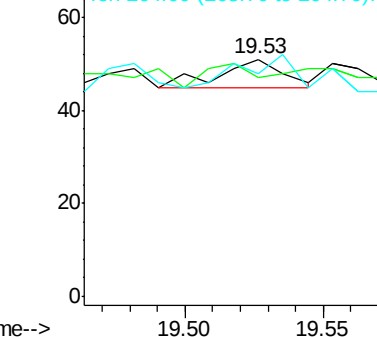


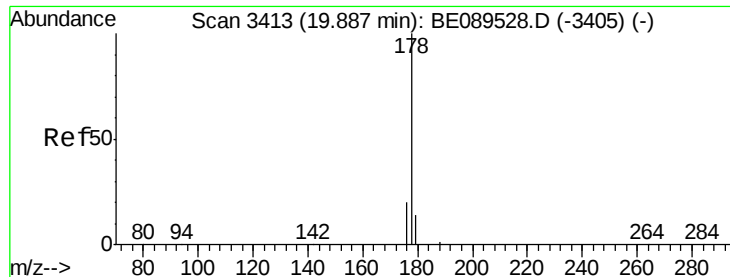
#12
Pentachlorophenol
Concen: 0.54 ng
RT: 19.53 min Scan# 3373
Delta R.T. 0.01 min
Lab File: BE089555.D
Acq: 7 Feb 2015 10:42

Tgt Ion:266 Resp: 10
Ion Ratio Lower Upper
266 100
268 92.2 57.9 86.9#
264 94.1 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: 0.07 ng

RT: 19.89 min Scan# 3413

Delta R.T. 0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

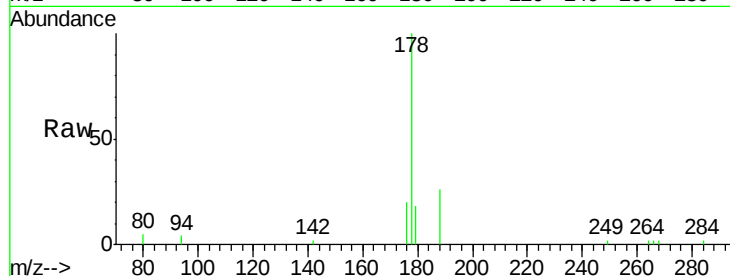
Tgt Ion:178 Resp: 2508

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

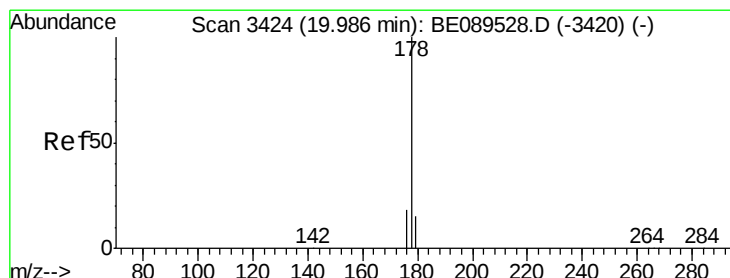
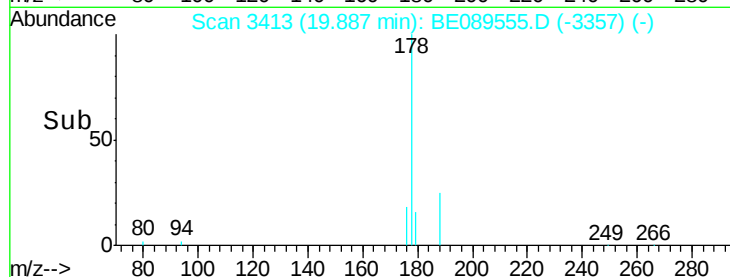
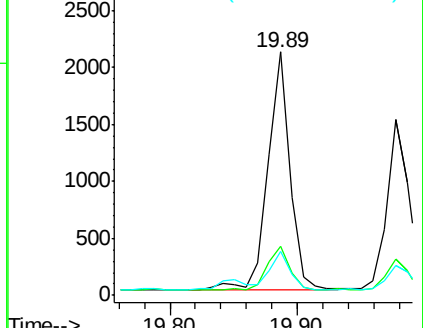
179 14.7 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#14

Anthracene

Concen: 0.06 ng

RT: 19.98 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

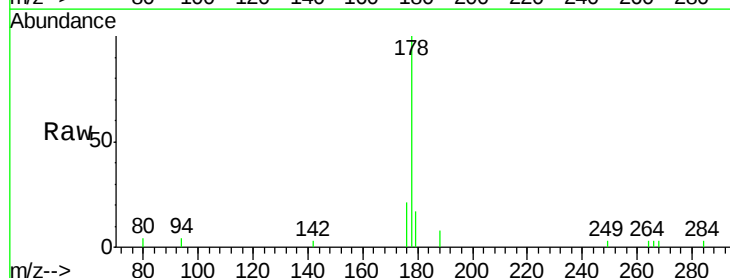
Tgt Ion:178 Resp: 1854

Ion Ratio Lower Upper

178 100

176 18.7 14.5 21.7

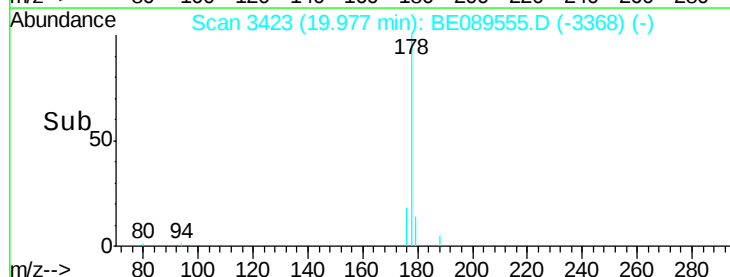
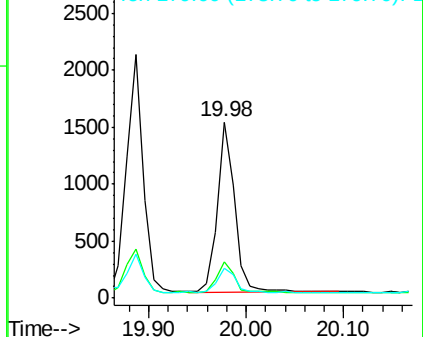
179 16.0 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

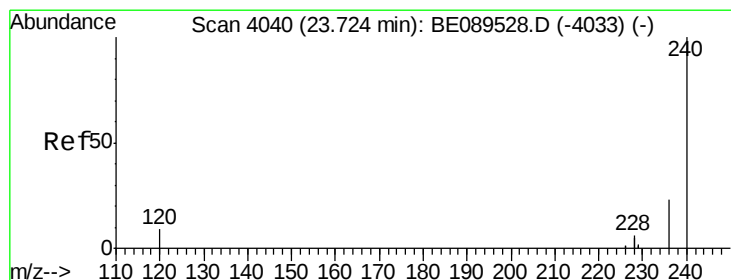
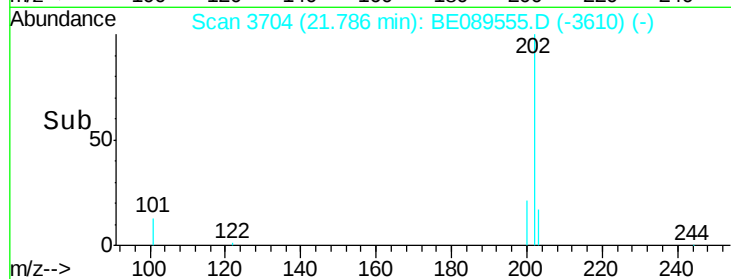
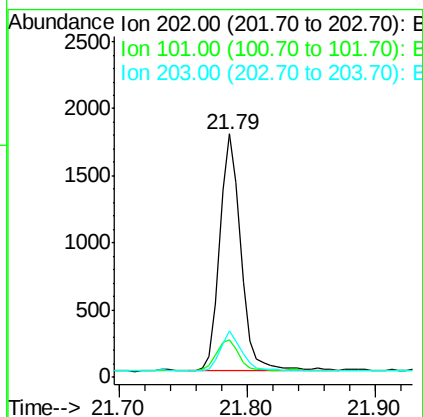
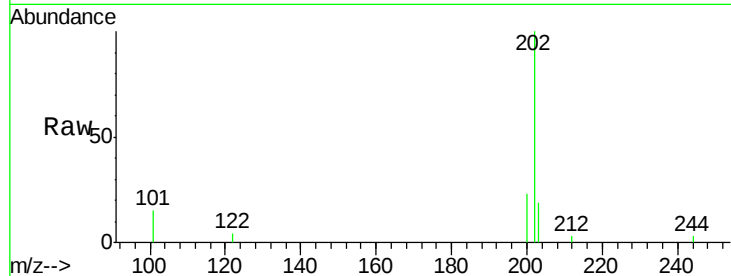




#15
 Fluoranthene
 Concen: 0.06 ng
 RT: 21.79 min Scan# 3704
 Delta R.T. -0.00 min
 Lab File: BE089555.D
 Acq: 7 Feb 2015 10:42

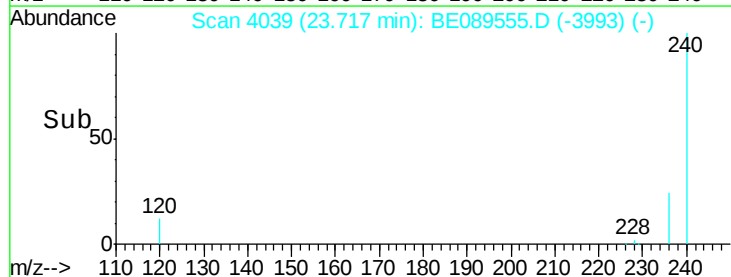
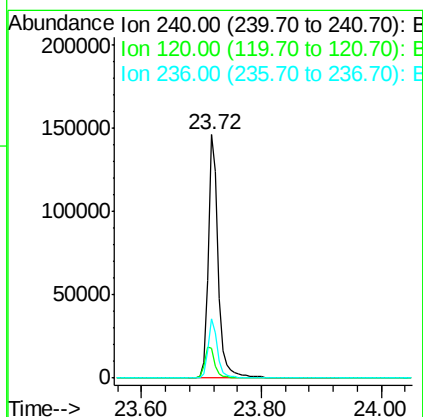
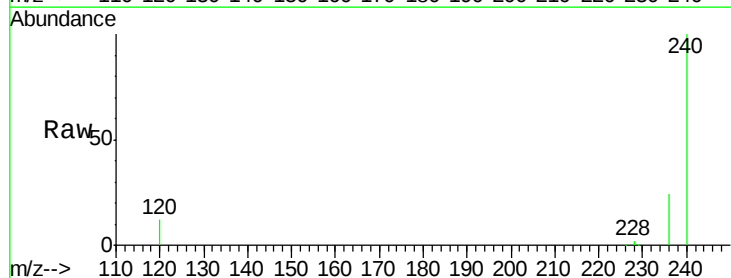
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

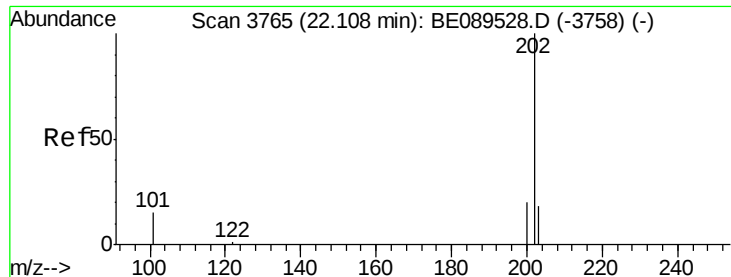
Tgt Ion: 202 Resp: 2029
 Ion Ratio Lower Upper
 202 100
 101 13.8 11.6 17.4
 203 16.8 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089555.D
 Acq: 7 Feb 2015 10:42

Tgt Ion: 240 Resp: 166255
 Ion Ratio Lower Upper
 240 100
 120 12.2 7.2 10.8#
 236 24.5 18.5 27.7

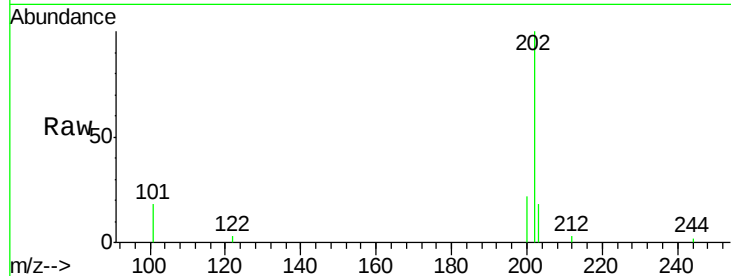




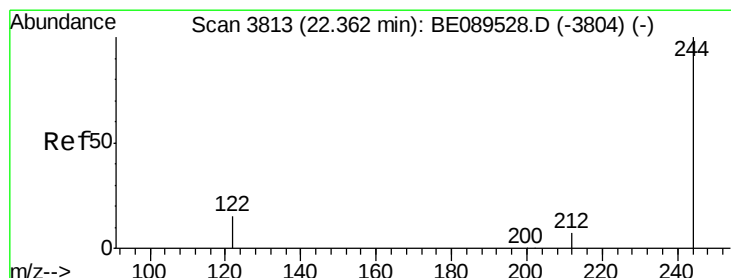
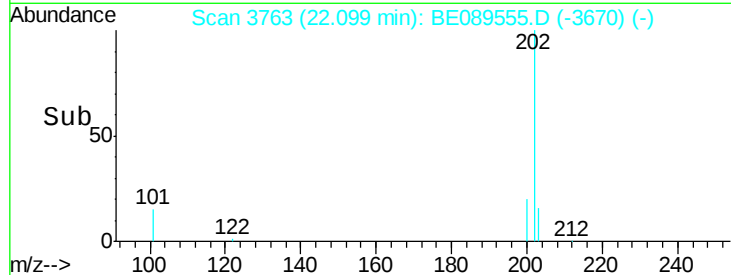
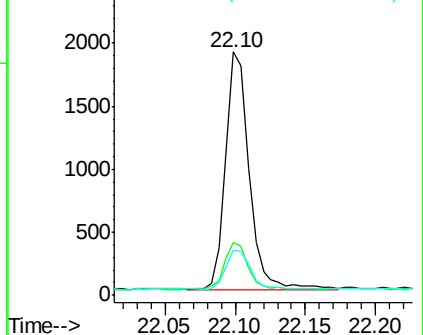
#17
 Pyrene
 Concen: 0.06 ng
 RT: 22.10 min Scan# 3763
 Delta R.T. -0.01 min
 Lab File: BE089555.D
 Acq: 7 Feb 2015 10:42

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 202 Resp: 2186
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.3 24.5
 203 16.8 13.5 20.3

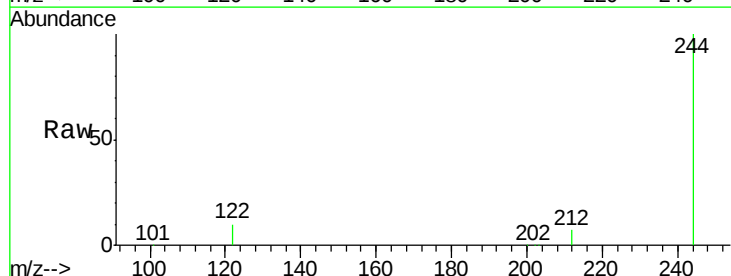


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

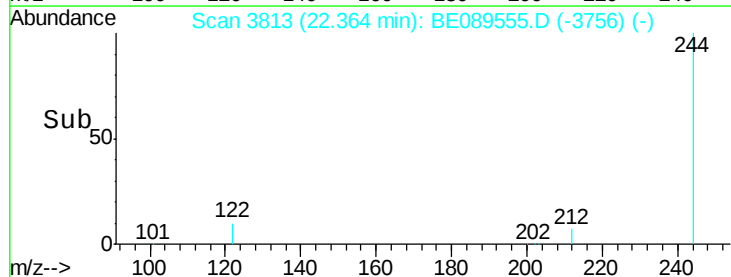
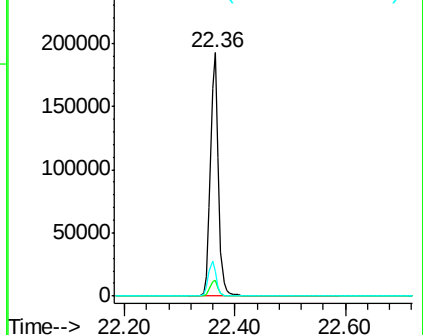


#18
 Terphenyl-d14
 Concen: 8.93 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089555.D
 Acq: 7 Feb 2015 10:42

Tgt Ion: 244 Resp: 195815
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 10.2 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: 0.06 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

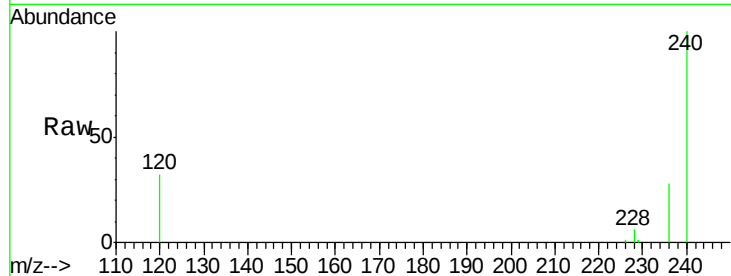
Tgt Ion:228 Resp: 9516

Ion Ratio Lower Upper

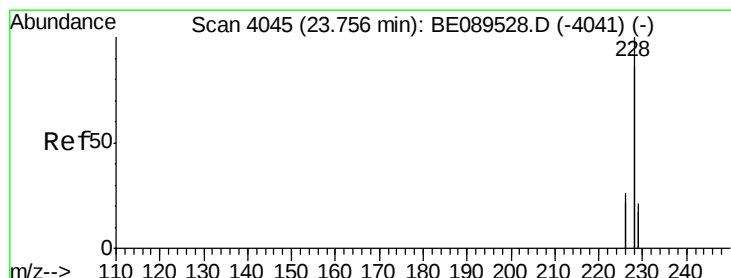
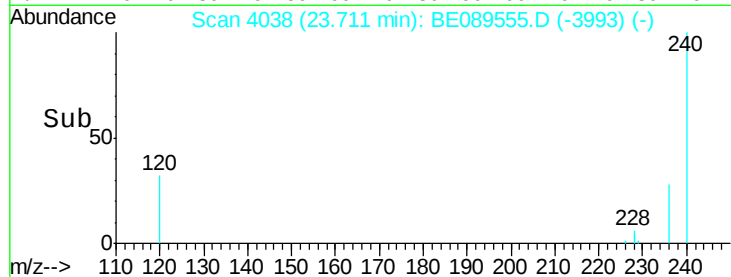
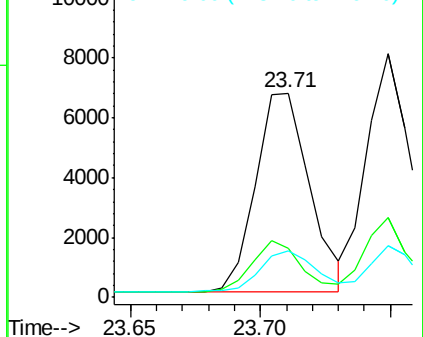
228 100

226 24.0 19.0 28.4

229 22.6 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: 0.06 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.05 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

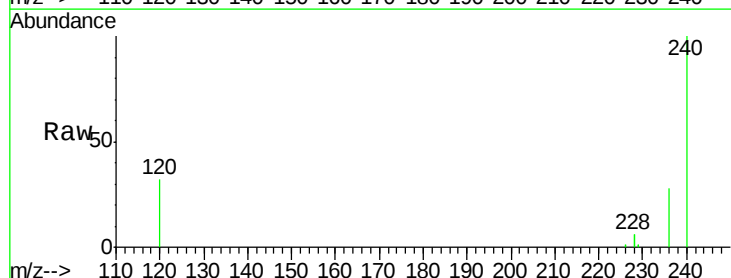
Tgt Ion:228 Resp: 9516

Ion Ratio Lower Upper

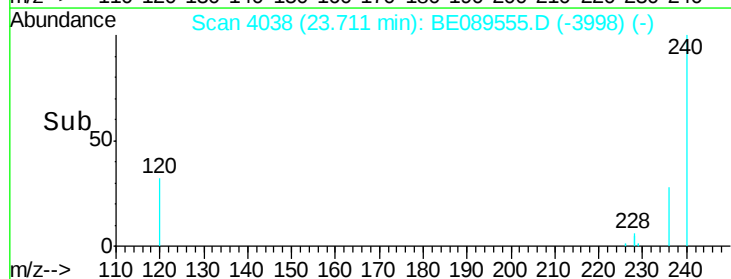
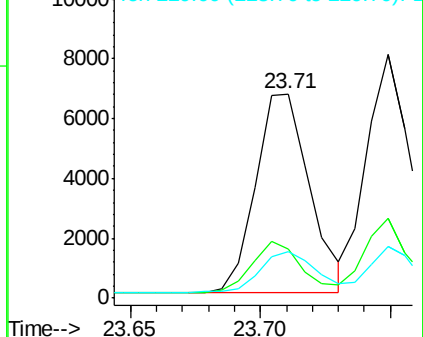
228 100

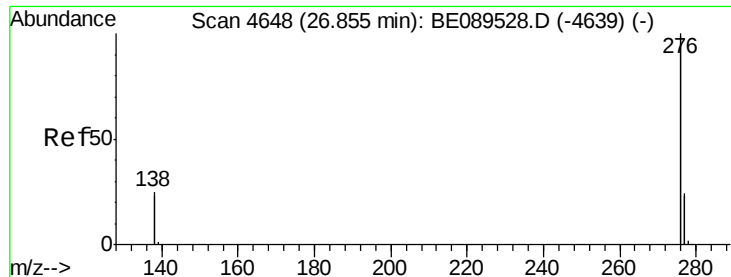
226 24.0 21.0 31.4

229 22.6 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: 0.04 ng

RT: 26.85 min Scan# 4647

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

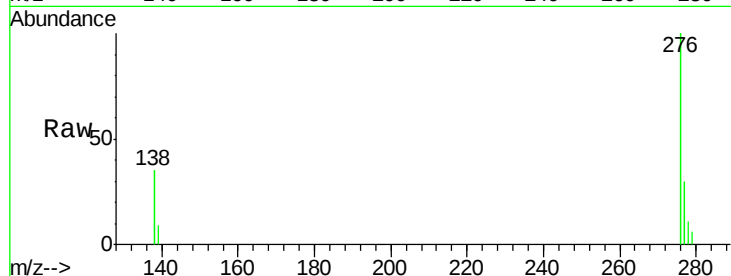
Tgt Ion:276 Resp: 7425

Ion Ratio Lower Upper

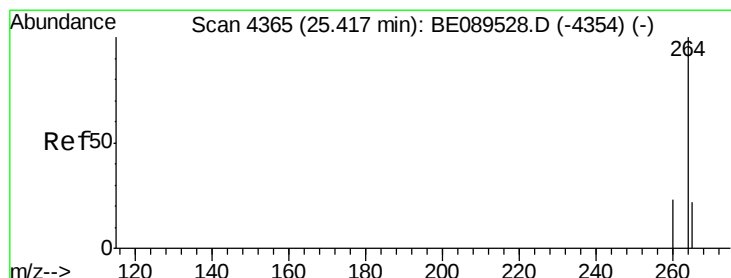
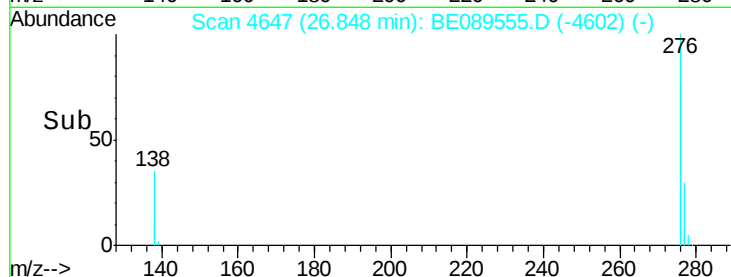
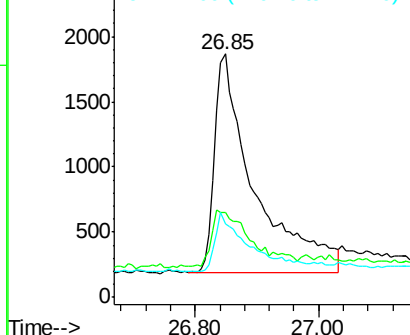
276 100

138 26.9 23.0 34.4

277 23.7 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: 25.41 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

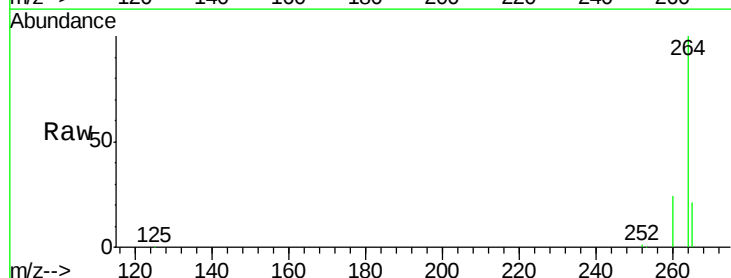
Tgt Ion:264 Resp: 179420

Ion Ratio Lower Upper

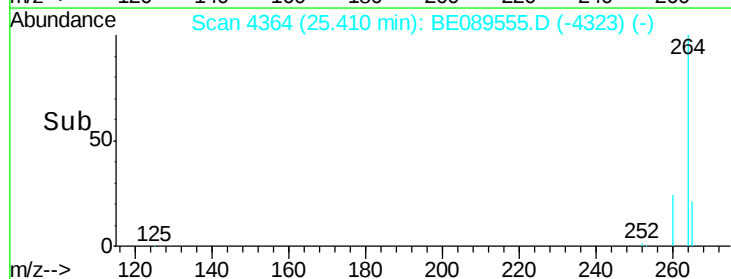
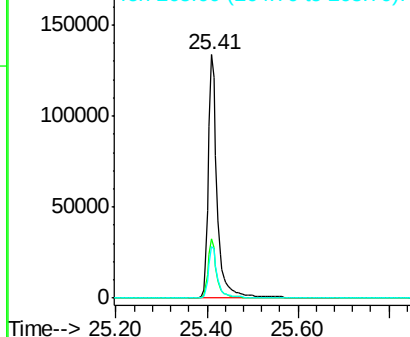
264 100

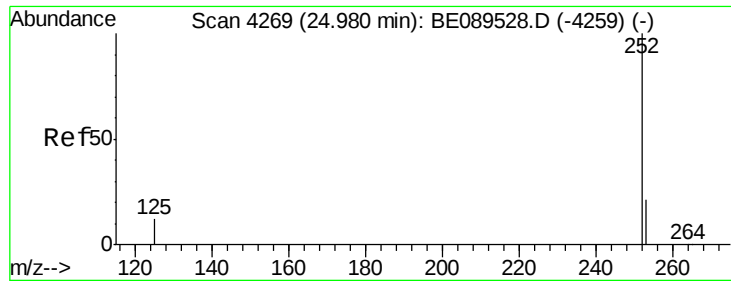
260 24.2 18.7 28.1

265 21.1 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: 0.04 ng

RT: 24.97 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

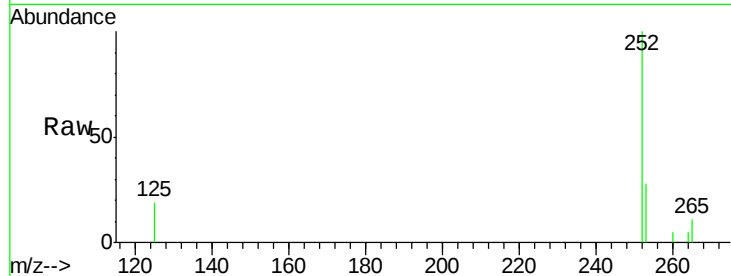
Tgt Ion:252 Resp: 1274

Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.0#

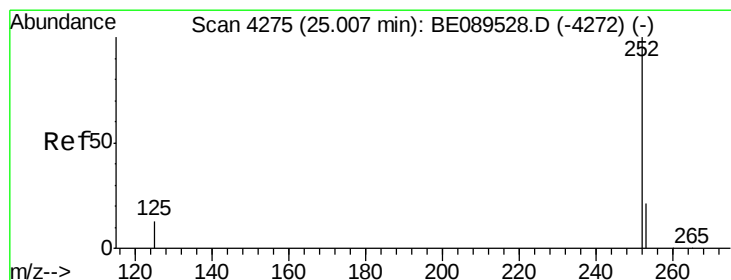
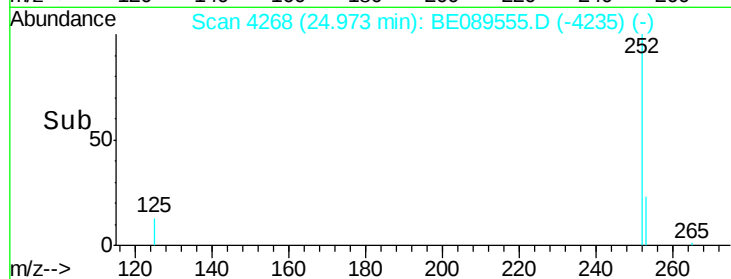
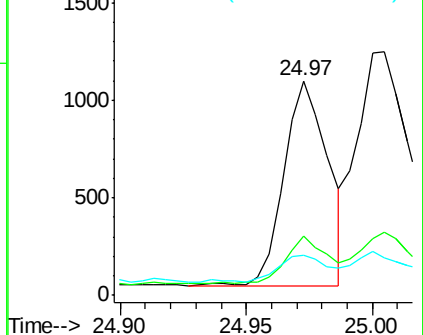
125 19.0 10.4 15.6#



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: 0.05 ng

RT: 25.00 min Scan# 4275

Delta R.T. -0.00 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

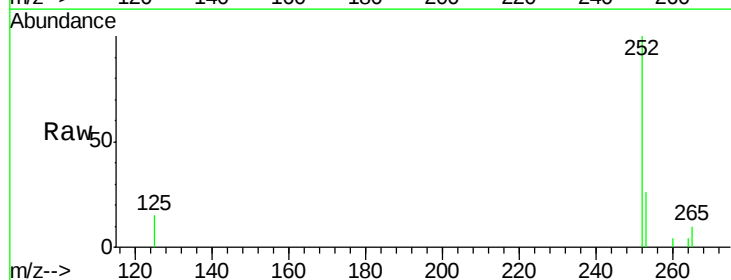
Tgt Ion:252 Resp: 2303

Ion Ratio Lower Upper

252 100

253 26.2 17.2 25.8#

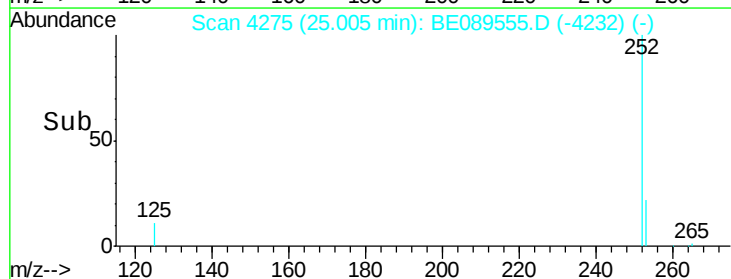
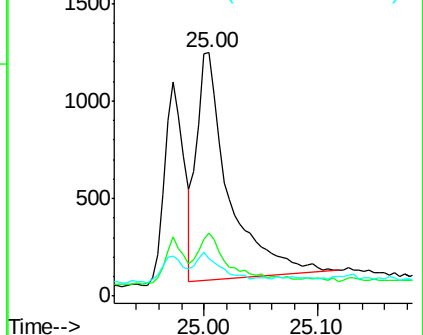
125 15.4 10.6 15.8



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: 0.04 ng

RT: 25.34 min Scan# 4349

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

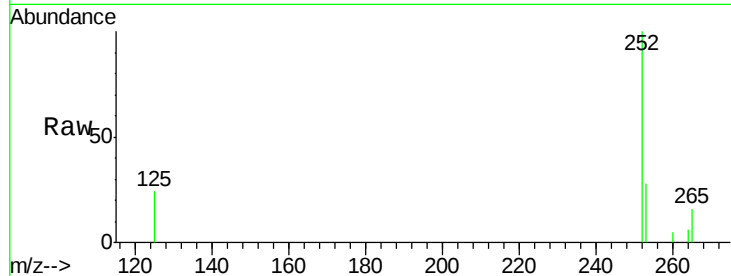
Tgt Ion:252 Resp: 1422

Ion Ratio Lower Upper

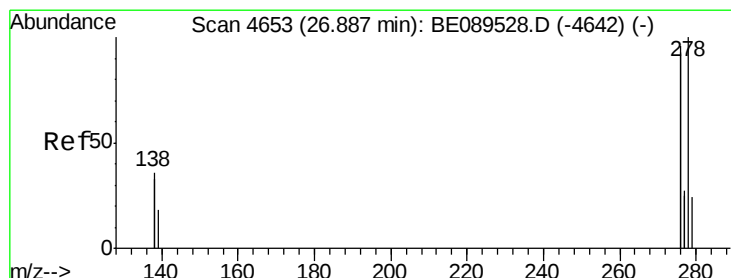
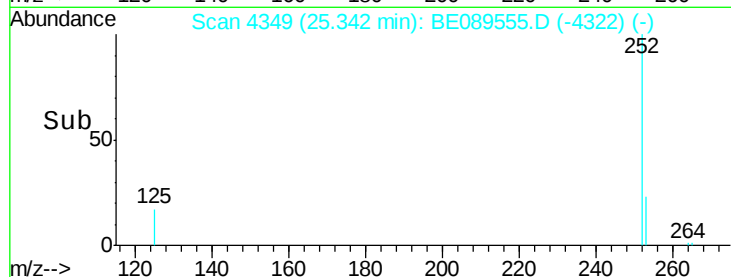
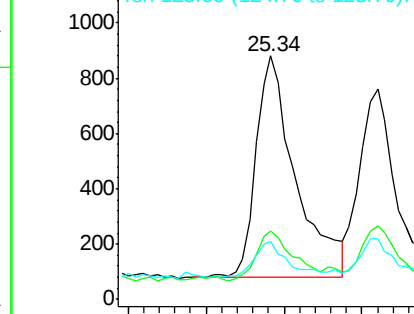
252 100

253 28.1 17.8 26.6#

125 23.7 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: 0.03 ng

RT: 26.87 min Scan# 4651

Delta R.T. -0.01 min

Lab File: BE089555.D

Acq: 7 Feb 2015 10:42

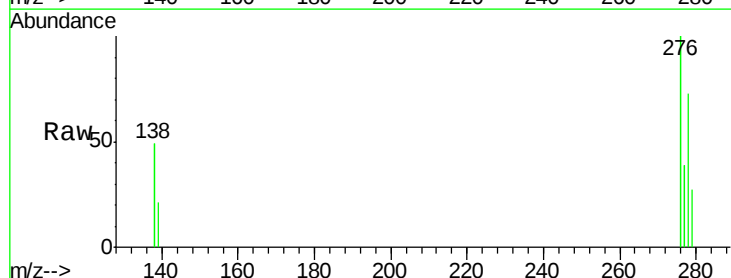
Tgt Ion:278 Resp: 1306

Ion Ratio Lower Upper

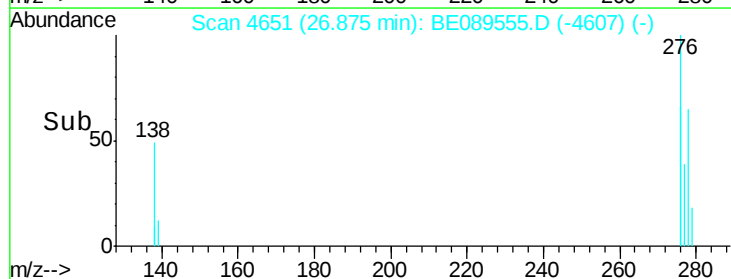
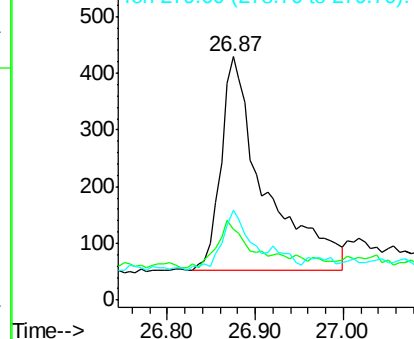
278 100

139 29.1 15.7 23.5#

279 37.1 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: 0.04 ng

RT: 27.27 min Scan# 4712

Delta R.T. -0.01 min

Lab File: BE089555.D

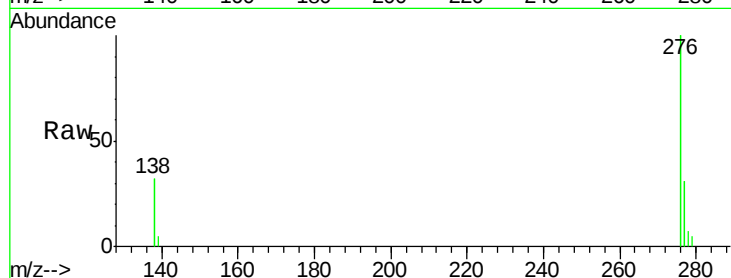
Acq: 7 Feb 2015 10:42

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8



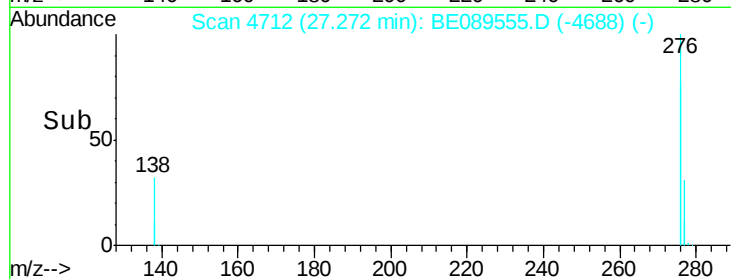
Tgt Ion: 276 Resp: 7730

Ion Ratio Lower Upper

276 100

277 30.9 18.6 27.8#

138 31.9 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

